NOTICE OF PREPARATION

NOTICE OF SCOPING MEETING & PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT FIRST INDUSTRIAL LOGISTICS AT HARLEY KNOX AND INDIAN PROJECT

Date:	**May 30, 2025**
To:	State Clearinghouse, Property Owners, Responsible and Trustee Agencies and Interested Parties
From:	City of Perris Development Services Department| Planning Division 135 North D Street Perris, CA 92570
Subject:	Notice of Preparation and Public Scoping Meeting Notice for the preparation of a Draft Environmental Impact Report for the First Industrial Logistics at Harley Knox and Indian Project –Development Plan Review (DPR) 22-00016 and Tentative Parcel Map 25-0004 (TPM 38684).
Scoping Meeting:	**June 18, 2025 at 6:00 p.m.** (City of Perris Planning Commission meeting) Perris City Council Chambers 101 N. D Street Perris CA 92570
NOP Comment Period:	**May 30, 2025** through **June 30, 2025**
Project Title:	Development Plan Review (DPR) 22-00016- First Industrial Logistics at Harley Knox and Indian Project
Applicant:	First Industrial Realty Trust, Inc. 898 N Pacific Coast Highway, Suite 175 El Segundo, CA 90245

Notice of Preparation of a Draft Environmental Impact Report (Draft EIR): The City of Perris (City) will be the Lead Agency pursuant to Section 15052 of the Guidelines for Implementation of the California Environmental Quality Act (CEQA Guidelines). The City will prepare a Draft Environmental Impact Report (EIR) for the proposed First Industrial Logistics at Harley Knox and Indian Project (Project). This Notice of Preparation identifies the Project applicant, contains the proposed Project description including Project setting and location, and identifies the potential environmental effects of the proposed Project. A vicinity map is included in this Notice of Preparation.

The City is requesting input from you or your agency or organization as to the scope and content of the environmental information that is relevant to your agency or organization's statutory responsibilities or interests in connection with the Project. Due to time limits mandated by State law, your response must be received at the earliest possible date, but not later than 30 days after the date of this Notice of Preparation. The public comment period for this Notice of Preparation begins on **May 30, 2025**, and is set

to close at 5:00 p.m. on **June 30, 2025**. Please send written comments to Mathew Evans, Project Planner, at the address shown above or via email at mevans@cityofperris.org. Please include the name and contact person of the agency or organization.

I. Project Location and Setting

The approximate 25-gross acres vacant unimproved Project site is located at the northwest corner of Harley Knox Boulevard and Indian Avenue in the City of Perris, Riverside County. The site consists of Assessor's Parcel Numbers (APNs) 302-020-013, 302-020-028, 302-020-038, 302-020-032, 302-020-040, 302-020-043, and 302-020-048. The proposed Project also includes a 1.1-acre off-site improvement area for improvements in Harley Knox Boulevard and Indian Avenue, and a drainage connection to the Riverside County Flood Control and Water Conservation District, Line B, located to the north of the Project site. The City of Perris General Plan land use designation for the site is PVCC SP - Perris Valley Commerce Center Specific Plan and the Perris Valley Commerce Center Specific Plan (PVCCSP) zone designation for the site is General Industrial (GI).

The Project site is located approximately 0.3 mile southeast of the March Air Reserve Base/Inland Pot Airport and is located within the area subject to the March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan. The Project site is located within Compatibility Zones A, B1-APZ I, B2, and C1 of the March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan.

The Project site is relatively flat, with the western portion of the Project site draining southerly to storm drains in Harley Knox Boulevard and the easterly portion of the Project site draining easterly towards storm drains in Indian Avenue. The Perris Valley Storm Drain Lateral B (hereinafter "Lateral B") is an existing Riverside County Flood Control and Water Conservation District storm drain facility that is located adjacent to the north of the Project site.

As shown on Figure 1 – Aerial Map (attached to this Notice of Preparation), land uses surrounding the Project site include a mix of undeveloped and developed land. Specifically, uses surrounding Project site include Lateral B and industrial uses within the City of Moreno Valley to the north, warehouses to the east, vehicle action/storage and asphalt manufacturing uses to the south, and undeveloped vacant land to the west.

The Project site is located within the Mead Valley Area Plan of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP). The Project site is not located within an MSHCP Criteria Cell, Cell Group, or Linkage Area.

II. Project Description

The First Industrial Logistics at Harley Knox and Indian and off-site improvement area Project involves the merging of seven (7) parcels for the construction and operation of an approximately 549,786-square-foot non-refrigerated warehouse building including infrastructure, appurtenances, associated parking areas, and associated offsite supporting improvements. (Refer to Figure 2 – Site Plan.*)*

The proposed warehouse building would accommodate high-cube warehouse distribution uses, anticipating that approximately 10,000 square feet could be utilized for supporting office and mezzanine uses. The Project would include a total of 94 dock doors on the north side of the building. The building would include solar-ready rooftop panels. Based on the employment projection factor for light industrial uses per the PVCCSP, the Project is anticipated to create approximately 542 jobs. The proposed Project would be constructed as a speculative or "spec" building; that is, there is not a specific tenant identified at this time. It is anticipated that the

building could operate 24 hours a day, seven days a week. The warehouse is not anticipated to include e-commerce. The design of the building is modern industrial and includes concrete tilt-up wall construction with board-formed cement veneer and standard window glazing. The Project is proposed to be consistent with City standards and include 14-foot-high screen walls, 8-foot-high perimeter wrought iron fence along the perimeter of the proposed building, and landscaping along the Project site's frontage.

As shown on Figure2 – Site Plan, the Project site's automobile entrance would be separate from the truck entrance. Automobile vehicles would access the Project site via two driveways: the driveway along Harley Knox Boulevard and the southerly driveway along Indian Avenue. Trucks would access the Project site via one driveway: the northerly driveway on Indian Avenue. The trucks would stop at the guard shack to access the loading areas that are located north of the building. Emergency vehicle access would be available from the northerly Indian Avenue driveway and from the Harley Knox Boulevard driveway.

Domestic water services in the Project vicinity are provided by the Eastern Municipal Water District (EMWD). There are existing potable water lines near the Project site: 12-inch diameter water lines are present in Harley Knox Boulevard and Indian Avenue, in addition to a 12-inch diameter water line in Webster Avenue. The Project would connect to the 12-inch diameter potable water lines in Harley Knox Boulevard and Indian Avenue for potable water, landscape irrigation, and fire water pump for fire flow demands. No offsite water line improvements are proposed.

Recycled water services in the Project vicinity are also provided by the EMWD. The EMWD maintains a 12-inch recycled water line in Indian Avenue that is capped and ends approximately 166 linear feet north from the Harley Knox Boulevard and Indian Avenue intersection. There are recycled water lines within Nance Street, south of the Project site, and Redlands Avenue east of the Project site. There are no other existing recycled water lines adjacent to the Project site. Because there are no existing recycled water lines adjacent to the Project site, other than the capped 12-inch diameter recycled water line in Indian Avenue, recycled water connections are not proposed.

Sewer (wastewater) collection and treatment services in the Project vicinity are also provided by the EMWD. The EMWD maintains an existing 15-inch diameter sewer main (flows east) in Harley Knox Boulevard along the Project site's frontage and an existing 12-inch diameter sewer main (flows south) in Indian Avenue along the Project site's frontage. The Project includes a proposed 6-inch diameter lateral sewer line to connect to the EMWD's existing 15-inch diameter sewer line in Harley Knox Boulevard. No offsite sewer line improvements or additional treatment facilities are needed to serve the Project.

Offsite Improvements

The Project includes approximately 1.1 acres of offsite improvements associated with potable water, sewer and storm drain connections in Harley Knox Boulevard and Indian Avenue, and sidewalk and parkway improvements along the Project's frontage.

Project Construction

Project construction would not be phased and is anticipated to begin no sooner than June 2025 and would take approximately 11.5 months. Nighttime pouring of concrete is anticipated during summer months. The Project site will balance, no soil import or export will be needed.

III. Required Entitlements / Approvals

Pursuant to the provisions of CEQA and the CEQA Guidelines, the City of Perris, as the Lead Agency, is charged with the responsibility of deciding whether to approve the Project. The following approvals and permits are required from the City of Perris to implement the project:

- Certification of the EIR
- Tentative Parcel Map 25-0004 (TPM 38684)
- Development Plan Review (DPR) 22-00016

Approvals and permits that may be required by other agencies include:

- Santa Ana Regional Water Quality Control Board – A National Pollutant Discharge Elimination System (NPDES) permit to ensure that construction site drainage velocities are equal to or less than the pre-construction conditions and downstream water quality is not worsened
- South Coast Air Quality Management District – Compliance with the Indirect Source Rule (Rule 2305) for warehouse owners and operators and a permit to install and operate a diesel fueled fire water pump
- Eastern Municipal Water District – Approval of water and sewer improvement plans
- Permits or associated approval by other utility agencies, as necessary, for installation of new utility infrastructure or connections to existing facilities
- California Department of Fish and Wildlife - Section 1602 Lake and Streambed Alteration Agreement for the storm drain connections to the Perris Valley Storm Drain; and
- Santa Ana Regional Water Quality Control Board – Waste Discharge Permit for storm drain connections to the Perris Valley Storm Drain
- Riverside County Flood Control and Water Conservation District - Encroachment permits and approval for outfall structure and riprap that would be constructed within the Perris Valley Storm Drain Lateral B.

IV. Probable Environmental Effects of the Project

The PVCCSP EIR is a program EIR, and project-specific evaluations in later-tier environmental documents for individual development projects within the Perris Valley Commerce Center area were anticipated. As stated in Section 15168(d)(3) of the CEQA Guidelines, "The program EIR can focus an EIR on a subsequent project to permit discussion solely of new effects which had not been considered before." As such, the environmental analysis for the Project will be based on, or tiered from, the analysis presented in the PVCCSP EIR, when applicable.

The PVCCSP EIR analyzes the direct and indirect impacts resulting from implementation of the allowed development under the PVCCSP. Measures to mitigate, to the extent feasible, the significant adverse project and cumulative impacts resulting from that development are identified in the PVCCSP EIR. In conjunction with certification of the PVCCSP EIR, the City adopted a Mitigation Monitoring and Reporting Program. Additionally, the PVCCSP includes Standards and Guidelines to be applied to future development projects in the Specific Plan area. The City requires that future development projects in the Specific Plan area comply with the required PVCCSP Standards and Guidelines and PVCCSP EIR mitigation measures as outlined in the Mitigation Monitoring and Reporting Program and that these requirements are implemented in a timely manner.

The Draft EIR for the proposed Project will contain a detailed Project Description, a description of the existing environmental setting of the Project site and surrounding area, analysis of Project-

specific environmental impacts, analysis of cumulative impacts, identification of additional project-specific mitigation measures required to reduce potentially significant impacts, and an analysis of alternatives to the Project that could reduce one or more of the potentially significant impacts of the Project.

The City has prepared an Initial Study and determined that an EIR is required for the proposed Project based on its potential to cause significant environmental effects. The Initial Study found that the following environmental topics would result in less than significant environmental impacts; and therefore, will not be further analyzed in the Draft EIR:

- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Mineral Resources
- Population and Housing
- Public Services
- Recreation
- Utilities/Service Systems
- Wildfire

The Initial Study prepared for the proposed Project also identified environmental topics for which the Project has potential to cause significant environmental effects, but those effects would be mitigated below a level of significance with incorporation of mitigation measures. The following environmental topics would result in less than significant environmental impacts with implementation of the identified mitigation measures; and therefore, will not be further analyzed in the Draft EIR:

- Aesthetics
- Biological Resources
- Cultural Resources
- Geology/Soils
- Tribal Cultural Resources

The following environmental topics will be analyzed in the Draft EIR:

- Agriculture and Forestry Resources
- Air Quality
- Energy
- Greenhouse Gas Emissions
- Land Use and Planning
- Noise
- Transportation
- Mandatory Findings of Significance

V. Public Meetings

As identified previously, the City of Perris will conduct a Draft EIR scoping meeting with the City Planning Commission on:

June 18, 2025, at 6:00 p.m.
Perris City Council Chambers
101 N. D Street, Perris CA 92570.

At the meeting, the City will provide background information on environmental impact reports, a brief overview of the Project, and will solicit public input on environmental issues to be addressed in the Draft EIR, and on items of public concern. Issues identified during the scoping meeting will

be addressed in the Draft EIR (as appropriate).

VI. Response to This Notice of Preparation

This Notice, as well as the Initial Study, is available for review on the City's website at:

https://www.cityofperris.org/departments/development-services/planning/environmental-documents-for-public-review

Copies of the Notice of Preparation and Initial Study are also available for review at the Cesar E. Chaves Library at 162 E. San Jacinto Avenue, Perris, CA 92570 and at the Development Services Department located at 135 N. D Street, Perris, CA 92570.

Please provide written comments no later than 30 days from the receipt of this NOP. According to Section 15082(b) of the CEQA Guidelines, your comments should address the scope and content of environmental information related to your agency's area of statutory responsibility. More specifically, your response should identify the significant environmental issues and reasonable alternatives and mitigation measures that you or your agency will need to have explored in the Draft EIR; and, whether your agency will be a responsible agency or a trustee agency, as defined by CEQA Guidelines Sections 15381 and 15386, respectively. Please return all comments to the following address or email:

Mathew Evans, Contract Project Planner
City of Perris, Planning Division
135 North D Street
Perris, CA 92570
mevans@cityofperris.org

FIGURE 1

Aerial Map



LEGEND

- Project Boundary
- Offsite Disturbance Footprint

0 137.5 275 Feet

Source: Nearmap, 2024.

ALBERT A. WEBB ASSOCIATES

FIGURE 2

Site Plan

PROJECT DATA

	BLDG. 2
SITE AREA	
In s.f.	1,094,727 s.f.
In acres	25.13 ac
BUILDING AREA	
Office - 1st floor	5,000 s.f.
Office - 2nd floor	5,000 s.f.
Warehouse	539,786 s.f.
TOTAL	549,786 s.f.
COVERAGE	49.8%
F.A.R.:	0.502
AUTO PARKING REQUIRED	
Office: (office area is less than 10%)	
Where: 1st 20K @ 1/1,000 s.f.	20 stalls
2nd 20K @ 1/2,000 s.f.	10 stalls
above 40K @ 1/5,000 s.f.	102 stalls
TOTAL	132 stalls
AUTO PARKING PROVIDED	
Standard (9' x 19')	105 stalls
Standard (11' x 19')	42 stalls
Accessible Parking (Standard)(9'x18')	5 stalls
Accessible Parking (Van) (12'x18')	1 stalls
Standard EV Spaces (9' x 19')	32 stalls
Standard EVCS (9' x 19')	9 stalls
Accessible EVCS Parking (Standard) (9'x18')	1 stalls
Accessible EVCS Parking (Van) (12'x18')	1 stalls
Accessible EVCS Parking (Ambulatory) (12'x18')	1 stalls
TOTAL	188 stalls
TRAILER PARKING REQUIRED	
Trailer: 1/5,000 SF	110 stalls
TRAILER PARKING PROVIDED	
Trailer (10' x 55')	132 stalls
ZONING ORDINANCE FOR CITY	
Zoning Designation - Perris Valley Commerce Center	
General Industrial	
MAXIMUM BUILDING HEIGHT ALLOWED	
Height - 50'	
MAXIMUM FLOOR AREA RATIO	
FAR - .75	
MAXIMUM LOT COVERAGE	
Coverage - 50%	
LANDSCAPE REQUIREMENT	
Percentage - 10%	109,473 s.f.
LANDSCAPE PROVIDED	
In s.f.	183,438 s.f.
Percentage	16.8%
SETBACKS	
Harley Knox - 15'	
Side/ Rear - none, adjoining R zone- 20'	

SITE PLAN KEYNOTES

1. HEAVY BROOM FINISH CONC. PAVEMENT.
2. PUMP HOUSE
3. CONCRETE WALKWAY
4. ENHANCED DRIVEWAY APRONS TO BE CONSTRUCTED PER "L" DRAWINGS.
5. 5'-0"x3'-0"x4"x4" MIN. THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. SLOPE TO BE 1/4" - 1/2" MAX. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY W/ 1:20 MAX. AS REQ. BY CITY INSPECTOR.
6. PROVIDE METAL, MANUAL OPERATED SLIDING GATES W/ PERFORATED SCREEN MESH & KNOX-PAD LOCK PER FIRE DEPARTMENT STANDARDS PER DRIVEWAY.
7. PROVIDE METAL, MANUAL OPERATED SWING GATES W/ PERFORATED SCREEN MESH & KNOX-PAD LOCK PER FIRE DEPARTMENT STANDARDS PER DRIVEWAY.
8. LANDSCAPE. SEE "L" DWGS.
9. CONCRETE TILT-UP SCREEN WALL
10. BIKE RACK. PLEASE SEE DETAIL D/DAD-A4.1
11. APPROXIMATE LOCATION OF TRANSFORMER.
12. 8'H WROUGHT IRON FENCE
13. 14' H SCREEN WALL WITH ANTI GRAFFITI COATING
14. ELECTRICAL ROOM
15. PROPOSED SITE LIGHT POLE.
16. PROPOSED STREET LIGHT
17. TRASH ENCLOSURE PER CITY STANDARD.
18. PROPOSED FIRE HYDRANT
19. HANDICAPPED PARKING STALL SIGN
20. HANDICAPPED ENTRY SIGN
21. PRE-CAST CONC. WHEEL STOP
22. CONC. FILLED GUARD POST "6 DIA. U.N.O. 42" H.
23. EXTERIOR CONC. STAIR.
24. CLEAR ZONE. THIS AREA TO BE SECURED FROM ANY OUTDOOR STORAGE AND PARKING. THIS AREA WILL BE UTILIZED FOR ON – SITE DRAINAGE
25. COLOR CONCRETE WITH SCORING LINES AT TRUCK DRIVEWAY
26. EMPLOYEE BREAK AREA WITH PICKLE BALL
27. EMPLOYEE BREAK AREA WITH CANOPY AND TABLE
28. FUTURE INDOOR EMPLOYEE BREAK AREA
29. AUTOMATIC BOOM BARRIER DOUBLE GATE
30. PROPOSED 8' CLASS I MULTIPURPOSE PATH
31. 3' WIDE W/ SWING GATE W/LOCKSET
32. RAISED PLANTER
33. KNOX BOXES & KNOX DEVICES SHALL BE PROVIDED
34. PROPOSED FIRE DEPT CONNECTION(FDC) LOCATION
35. EMPLOYEE BREAK AREA WITH BOCCE BALL COURT
36. GUARD SHACK

SITE PLAN GENERAL NOTES

1. THE SOILS REPORT PREPARED BY _____

   SHOULD BE A PART OF THESE CONTRACT DOCUMENTS.
2. IF SOILS ARE EXPANSIVE IN NATURE, USE STEEL REINFORCING FOR ALL SITE CONCRETE.
3. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE WALL, FACE OF CONCRETE CURB OR GRID LINE U.N.O.
4. SEE "C" PLANS FOR ALL CONCRETE CURBS, GUTTERS AND SWALES.
5. THE ENTIRE PROJECT SHALL BE PERMANENTLY MAINTAINED WITH AN AUTOMATIC IRRIGATION SYSTEM, PRIOR TO INSTALLATION & AT LEAST 60 DAYS BEFORE BLDG. COMPLETION.
6. SEE "C" DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR SHALL VERIFY ACTUAL UTILITY CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS.
7. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. SEE "C" DRAWINGS.
8. CONTRACTOR TO REFER TO "C" DRAWINGS FOR ALL HORIZONTAL CONTROL DIMENSIONS. SITE PLANS ARE FOR GUIDANCE AND STARTING LAYOUT POINTS.
9. SEE "C"DRAWINGS FOR FINISH GRADE ELEVATIONS.
10. CONCRETE SIDEWALKS TO BE A MINIMUM OF 4" THICK W/ TOOLED JOINTS AT 6' O.C. EXPANSION/CONSTRUCTION JOINTS SHALL BE A MAXIMUM 12' EA. WAY W/ 1:20 MAX. SLOPE. EXPANSION JOINTS TO HAVE COMPRESSIVE EXPANSION FILLER MATERIAL OF 1/4". SEE "L" DRAWINGS FOR FINISH.
11. PROVIDE TWO FIRE HYDRANT ON THE SITE. FINAL LOCATION WILL DETERMINATE IN DURING SUBMITTAL.
12. PAINT CURBS AND PROVIDE SIGNS TO INFORM OF FIRE LANES AS REQUIRED BY FIRE DEPARTMENT.
13. CONSTRUCTION DOCUMENTS PERTAINING TO THE LANDSCAPE AND IRRIGATION OF THE ENTIRE PROJECT SITE SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND APPROVED BY PUBLIC FACILITIES DEVELOPMENT PRIOR TO ISSUANCE OF BUILDING PERMITS.
14. PRIOR TO FINAL CITY INSPECTION, THE LANDSCAPE ARCHITECT SHALL SUBMIT A CERTIFICATE OF COMPLETION TO PUBLIC FACILITIES DEVELOPMENT.
15. NOT USED
16. ALL LANDSCAPE AND IRRIGATION DESIGNS SHALL MEET CURRENT CITY STANDARDS AS LISTED IN GUIDELINES OR AS OBTAINED FROM PUBLIC FACILITIES DEVELOPMENT.
17. NOT USED.
18. LANDSCAPED AREAS SHALL BE DELINEATED WITH A MINIMUM SIX INCHES (6") HIGH CURB
19. APPROVED CONCEPTUAL LANDSCAPE PLAN PRIOR TO GRADING PERMIT

SITE LEGEND

- LANDSCAPED AREA
- SITE PAVING – SEE "C" DRWGS. FOR THICKNESS
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19')
- 26' FIRE LANE.
- FIRE LANE RED CURBS
- LIGHT STANDARD
- EXISTING PUBLIC FIRE HYDRANT
- PRIVATE FIRE HYDRANT– APPROXIMATE LOCATION
- PROPERTY LINE
- PATH OF TRAVEL
- TRUCK IN & OUT
- FIRE LANE

PROPERTY OWNER

FIRST INDUSTRIAL REALTY TRUST
898 N. PACIFIC COAST HIGHWAY SUITE 175
EL SEGUNDO, CA 90245
TEL: (310) 414-5400
CONTACT: MICHAEL GOODWIN
MGOODWIN@FIRSTINDUSTRIAL.COM

APPLICANT

FIRST INDUSTRIAL REALTY TRUST
898 N. PACIFIC COAST HIGHWAY SUITE 175
EL SEGUNDO, CA 90245
TEL: (310) 414-5400
CONTACT: MICHAEL GOODWIN
MGOODWIN@FIRSTINDUSTRIAL.COM

APPLICANT'S REPRESENTATIVE

HPA, INC.
18831 BARDEEN AVE SUITE 100
IRVINE CA 92612
TEL: 949-862-2116
ATTN: RUBEN CHOI

ADDRESS OF THE PROPERTY

657 HARLEY KNOX BOULEVARD PERRIS, CA

ASSESSOR'S PARCEL NUMBER

302-020-043, 302-020-048,
302-020-013, 302-020-028, 302-020-038
302-020-040, 302-020-032

ZONING

ZONING DESIGNATION - PERRIS VALLEY COMMERCE CENTER
GENERAL INDUSTRIAL

LEGAL DESCRIPTION

REFER TO CIVIL

REFERENCE FOR THE FULL LEGAL DESCRIPTION FOR CONCEPTUAL GRADING PLAN SHEET 1 OF 9

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

LOTS 36 BLOCK 3 OF RIVERSIDE TRACT, IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 14, PAGE 668 OF MAPS, RECORD OF SAN DIEGO COUNTY.

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

PARCEL A: THE NORTH OF ONE HALF OF LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA.

PARCEL B: LOT 2 OF BLOCK 3 OF RIVERSIDE TRACT, AS SHOWN BY MAP ON FILE IN BOOK 14 PAGE 668 OF MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

39.3: REAL PROPERTY IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

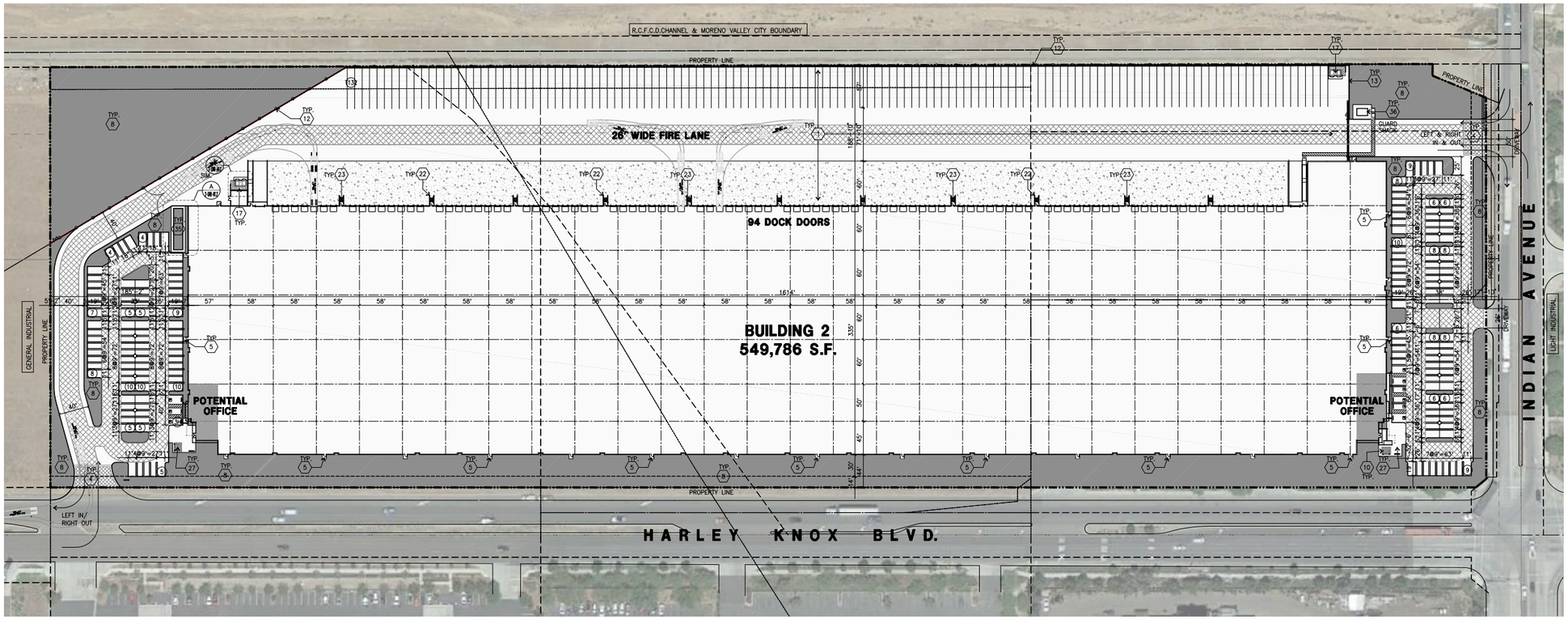
LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE(S) 668, OF MAPS, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA, EXCEPTING THAT PORTION LYING SOUTH OF THE FOLLOWING DESCRIBED LINE :

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF SAID SECTION 31 AND THE EAST LINE OF WEBSTER AVENUE AS SHOWN BY RECORD OF SURVEY ON FILE IN BOOK 64, PAGE 54, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA

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

THE SOUTH-[illegible] OF LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY, EXCEPT THAT PORTION DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 1, SAID SOUTHEAST CORNER BEING A POINT ON THE WEST LINE OF INDIAN AVENUE, 60.00 FEET WIDE.



\\brkpan01.webb.lan\WO4\2022\22-0142\GIS\PRO\engineering_templates\engineering_templates.aprx Map created 23 Jan 2025

ALBERT A. WEBB ASSOCIATES

NTS

Sources: First Industrial Realty Trust, Inc., HPA Architecture, and Thienes Engineering, Inc., Mar. 20, 2023

INITIAL STUDY

ALBERT A. WEBB ASSOCIATES



Initial Study
First Industrial Logistics at Harley Knox Indian

DPR 22-00016 and TPM 25-0004 (TPM 38684)

Prepared for:

City of Perris

May 2025

INITIAL STUDY

First Industrial Logistics at Harley Knox and Indian

DPR 22-00016 and TPM 25-0004 (TPM 38684)

Lead Agency

City of Perris

101 N. D Street

Perris, CA 92570

Contact: Mathew Evans, Project Planner

Prepared by

Albert A. Webb Associates

3788 McCray Street

Riverside, CA 92506

Contact: Monica Tobias, Associate Environmental Analyst

May 2025

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ACRONYMS LIST

Acronym	Definition
AB 52	Assembly Bill 52
ADA	American Disabilities Act
ALUC	Airport Land Use Commission
ALUCP	Airport Land Use Compatibility Plan
APN	Assessor Parcel Number
APZ	Accident Potential Zone
AQMD	South Coast Air Quality Management District
ASTM	ASTM International Standard
AQMP	Air Quality Management Plan
BMP	Best Management Practice
CCR	California Code of Regulations
CDFW	California Department of Fish and Wildlife
CEQA	California Environmental Quality Act
City	City of Perris
CNEL	Community Noise Equivalent Level
CO	Carbon Monoxide
CZ	Clear Zone
DIF	Development Impact Fees
DPR	Development Plan Review
EIR	Environmental Impact Report
EMWD	Eastern Municipal Water District
EPA	U.S. Environmental Protection Agency
ESA	Environmental Site Assessment
FEMA	Federal Emergency Management Agency
FMMP	Farmland Mapping Management Program
GHG	Greenhouse Gas
GP	City of Perris Comprehensive General Plan 2030
I-215	Interstate 215
LST	Localized Significance Threshold
March ARB/IPA	March Air Reserve Base/Inland Port Airport
MRZ	Mineral Resources Zone
MSHCP	Western Riverside County Multiple Species Habitat Conservation Plan
MWD	Metropolitan Water District of Southern California
NAHC	Native American Heritage Commission
NO_2	Nitrogen Dioxide

Acronym	Definition
NPDES	National Pollutant Discharge Elimination System
PM-2.5	Particulate Matter Less Than 2.5 Microns in Diameter
PM-10	Particulate Matter Less Than 10 Microns in Diameter
PRC	Public Resource Code
PVMDP	Perris Valley Master Drainage Plan
PVSD	Perris Valley Storm Drain
RCA	Western Riverside County Regional Conservation Authority
SCAG	Southern California Association of Governments
SKR HCP	Stephen's Kangaroo Rat Habitat Conservation Plan
SR	State Route
SWPPP	Storm Water Pollution Prevention Plan
TPM	Tentative Parcel Map
WQMP	Water Quality Management Plan

1.0 INTRODUCTION

1.1 Purpose and Scope

This Initial Study has been prepared in accordance with the following:

- California Environmental Quality Act (CEQA) of 1970 (Public Resources Code Sections 21000 et seq.); and
- Guidelines for Implementation of the California Environmental Quality Act (CEQA Guidelines) (California Code of Regulations, Title 14, Division 6, Chapter 3, Sections 15000 et seq.).

Pursuant to CEQA, this Initial Study has been prepared to analyze the potential for significant impacts on the environment resulting from implementation of the proposed Project, described in greater detail in *Section 3.0 – Project Description* below.

If an Initial Study prepared for a proposed project determines that no significant effects on the environment would occur or that potentially significant impacts can be reduced to less than significant levels with implementation of specified mitigation measures, the Lead Agency shall prepare a Negative Declaration or a Mitigated Negative Declaration (MND) pursuant to CEQA Guidelines Sections 15070–15075). A Negative Declaration or MND is a statement by the Lead Agency attesting that a project would produce less than significant impacts or that potentially significant impacts can be reduced to less than significant levels with mitigation. If the Initial Study determines significant effects may occur, an Environmental Impact Report (EIR) shall be prepared. This further environmental review (i.e., the EIR) is required to address the potentially significant environmental effects of the project and to provide mitigation where necessary and feasible.

The proposed Project site is located within the Perris Valley Commerce Center (PVCC) area of the City of Perris. The Perris Valley Commerce Center Specific Plan (PVCCSP) was adopted by the City of Perris on January 12, 2012 (Ordinance No. 1284). Environmental impacts resulting from implementation of allowed development under the PVCCSP have been evaluated in the Perris Valley Commerce Center Specific Plan Final Environmental Impact Report (PVCCSP EIR) (State Clearinghouse No. 2009081086), which was certified by the City of Perris in January 2012. The PVCCSP EIR is a program EIR and project-specific evaluations in later-tier environmental documents for individual development projects within the Specific Plan area was anticipated. As stated in Section 15168(d)(3) of the CEQA Guidelines, "The program EIR can focus an EIR on a subsequent project to permit discussion solely of new effects which had not been considered before". As such, the environmental analysis for the proposed Project presented in this Initial Study is based on, or "tiered" from, the analysis presented in the PVCCSP EIR, when applicable, and the PVCCSP EIR is incorporated by reference (refer to *Section 2.4* of this Initial Study).

The PVCCSP EIR analyzed the direct and indirect impacts resulting from implementation of the allowed development under the PVCCSP. Measures to mitigate, to the extent feasible, the significant adverse project and cumulative impacts resulting from that development are identified in the EIR. In conjunction with certification of the PVCCSP EIR, the City of Perris also adopted a Mitigation Monitoring and Reporting Program. Additionally, the PVCCSP includes Standards and Guidelines to be applied to future development projects within the Specific Plan area. The City of Perris requires that future development projects within the PVCC area comply with the required PVCCSP Standards and Guidelines and applicable PVCCSP EIR mitigation measures as outlined in the Mitigation Monitoring and Reporting Program and that these requirements are implemented in a timely manner. Relevant Standards and Guidelines and applicable PVCCSP EIR mitigation measures that are incorporated into the proposed

Project are listed in the introduction to the analysis for each topical issue in *Section 6.0* and are assumed in the analysis presented.

Pursuant to the provisions of CEQA and the CEQA Guidelines, the City of Perris is the Lead Agency and is charged with the responsibility of deciding whether or not to approve the proposed Project. This Initial Study has evaluated each of the issue areas contained in the checklist provided in *Section 6.0* of this document. The objective of this environmental document is to inform City of Perris decision makers, representatives of other affected/responsible agencies, and other interested parties of the potential environmental effects that may be associated with implementation of the proposed Project.

1.2 Document Organization

This Initial Study includes the following:

Section 1.0 – Introduction. Provides information about CEQA and its requirements for environmental review. It further explains an Initial Study was prepared to evaluate the proposed Project's potential impact to the physical environment to determine if an EIR is required.

Section 2.0 – Project Summary. Provides a summary of Project information.

Section 3.0 – Environmental Setting. Provides information about the Project's location.

Section 4.0 – Project Description. Provides a description of the proposed Project's physical features and characteristics.

Section 5.0 – Environmental Analysis and Determination. Provides a summary of potential environmental impacts associated with the implementation of the Proposed Project.

Section 6.0 – Initial Study. Includes the Environmental Checklist Form from Appendix G, of the CEQA Guidelines, as amended in 2018. This section includes a series of questions about the project for each of the listed environmental topics. The Environmental Checklist evaluates the proposed Project's potential to result in significant adverse effects to the physical environment, identifies any mitigation measures that may reduce impacts to less than significant, and identifies if an EIR is required, and if and EIR is required, what environmental topics need to be analyzed.

Section 7.0 – References. Identifies the references used in preparation of this Initial Study.

1.3 Findings of this Initial Study

As identified through the analysis presented in this Initial Study, with incorporation of applicable mitigation measures and General Plan policies, the proposed Project would have no impacts or less than significant impacts related to aesthetic resources, biological resources, cultural resources, geology and soils, hazards and hazardous materials, hydrology and water quality, mineral resources, population and housing, public services, recreation, tribal cultural resources, utilities and service systems, and wildfire. Further analysis for the following environmental topics is required in a forthcoming Draft EIR due to the potential for significant impacts:

- Agriculture and Forestry Resources
- Air Quality
- Energy
- Greenhouse Gas Emissions
- Land Use and Planning
- Noise
- Transportation
- Mandatory Findings of Significance

1.4 Documents Incorporated by Reference

The following reports and/or studies are applicable to development of the Project site and are hereby incorporated by reference:

- *Perris Comprehensive General Plan 2030,* City of Perris, originally approved on April 26, 2005. (Available at https://www.cityofperris.org/departments/development-services/general-plan)
- *Perris General Plan 2030 Environmental Impact Report,* SCH No. 2004031135, certified April 26, 2005. (Available at https://www.cityofperris.org/home/showpublisheddocument/451/637203139698630000)

These reports/studies are also available for review at:

Public Service Counter
City of Perris Planning Division
135 North D Street
Perris, California 92570
(951) 943-5003
Hours: Monday – Thursday: 8:00 AM to 6:00 PM

1.5 Contact Person

The Lead Agency for the proposed Project is the City of Perris. Any questions about the preparation of the Initial Study, its assumptions, or its conclusions should be referred to the following:

Mathew Evans, Project Planner
City of Perris Planning Division
135 North D Street
Perris, California 92570
(951) 943-5003 ext. 115
mevans@cityofperris.org

2.0 PROJECT SUMMARY

Project Title	First Industrial Logistics at Harley Knox and Indian DPR 22-00016; TPM 25-0004 (TPM 38684)
Lead Agency	City of Perris, 101 North D Street Perris, California 92570
Lead Agency Contact	Mathew Evans, Project Planner City of Perris, Planning Division 135 N. D Street Perris, California 92570 (951) 943-5003
Project Location	The proposed Project area is comprised of both on- and off-site areas totaling 26.22 gross acres. The on-site area is the Project site which encompasses 25.10 acres and is located at the northwest corner of Harley Knox Boulevard and Indian Avenue in the City of Perris, Riverside County, California. The Project site consists of Assessor's Parcel Numbers (APNs) 302-020-013, 302-020-028, 302-020-038, 302-020-032, 302-020-040, 302-020-043, and 302-020-048. The off-site area includes 1.10 gross acres of offsite improvements in Harley Knox Boulevard, Indian Avenue, and a storm drain connection to the Perris Valley Storm Drain (PVSD) Lateral B, a Riverside County Flood Control and Water Conservation District facility. The Project site and off-site area is located within Section 6, Township 4 South, Range 3 West, Riverside County, 7.5-minute Perris Topographic Map. Maps as shown on **Figure 1 – Regional Map**, **Figure 2 – Aerial Map,** and **Figure 3 – USGS Topographic Map**, respectively.
Project Sponsor's Name and Address	First Industrial Realty Trust, Inc. 898 N Pacific Coast Highway, Suite 175 El Segundo, CA 90245
General Plan Designation	PVCC SP - Perris Valley Commerce Center Specific Plan (See **Figure 5 – General Plan Land Use.)**
Zoning	Perris Valley Commerce Center Specific Plan (PVCCSP); General Industrial (GI) **(See Figure 6 – Specific Plan Zoning Designation.)**
Project Description	The First Industrial Logistics at Harley Knox and Indian (proposed Project) would consolidate the existing seven (7) parcels into one parcel in order to develop a 25.10-acre site with one 549,786-square-foot building including infrastructure, appurtenances, parking areas, and associated 1.10 gross acres of potential off-site areas supporting improvements as shown as shown on **Figure 8, Tentative Parcel Map 25-0004 (TPM 38684),** and **Figure 9 – Site Plan**. See *Section 4* for a detailed discussion of the Project Description.
Surrounding Land Uses and Setting	**North:** City of Moreno Valley; Flood Channel, Industrial uses, and vacant land **East:** Warehouses **South:** Vehicle auction/storage and asphalt manufacturing uses **West:** Vacant

Other Public Agencies Whose Approval is Required	▪ A National Pollutant Discharge Elimination System (NPDES) permit from the Santa Ana Regional Water Quality Control Board to ensure that construction site drainage velocities are equal to or less than the pre-construction conditions and downstream water quality is not worsened. ▪ Compliance with the South Coast Air Quality Management District Indirect Source Rule (Rule 2305) for warehouse owners and operators and a permit to install and operate a diesel fueled fire water pump ▪ Approval of water and sewer improvement plans by the Eastern Municipal Water District (EMWD) ▪ Riverside County Flood Control and Water Conservation District ▪ California Department of Fish and Wildlife streambed alteration agreement may be required.

3.0 ENVIRONMENTAL SETTING

3.1 Project Location

The Project site encompasses approximately 25.10 gross acres of a vacant unimproved land. The Project site is located at northwest corner of Harley Knox Boulevard and Indian Avenue, within the City of Perris (City), Riverside County, California. As shown on **Figure 1 – Regional Map** and **Figure 2 – Aerial Map** The proposed Project site consists of Assessor's Parcel Numbers (APNs) 302-020-013, 302-020-028, 302-020-038, 302-020-032, 302-020-040, 302-020-043, and 302-020-048. The Project site is located within Section 7, Township 4 South, Range 3 West, San Bernardino Base and Meridian, on the Perris, California USGS 7.5 Quadrangle Map (Perris Quadrangle) as shown on **Figure 3 – USGS Topographic Map.** The proposed Project also includes a 1.10-acre off-site improvement area for improvements in Harley Knox Boulevard and Indian Avenue, and a drainage connection to the Riverside County Flood Control and Water Conservation District, Line B, located to the north of the Project site, as shown on **Figure 2.**

As shown in Exhibit LU-1: Planning Areas, of the City of Perris General Plan Land Use Element, the City of Perris is divided into 10 planning areas to provide more detailed land use and policy direction regarding local issues (e.g., land use circulation and open space). The planning areas are defined by similarities and opportunities in land uses, development patterns, and future developments. The Project site lies within Planning Area 1: North Industrial. This area is generally made up of "industrial" land use designations and uses. While there are some residential uses in this area, the majority of land uses are non-residential. Heavy truck traffic can be expected in this area, affecting future roadway design and maintenance.

The Project site is also located within the northern portion of the PVCC area, which encompasses more than five square miles and over 3,500 acres in the northern end of the City. The PVCC area is relatively flat, sloping in a southeasterly direction with elevations ranging from 1,430 to 1,500 feet above mean sea level. (PVCCSP, p. 1.0-1, 1.0-5). The City lies on the Perris Block, a 20- by 50-square-mile mass of crystalline rocks generated during the Cretaceous time period (Perris Comprehensive General Plan 2030. (Perris GP 2030, p. SE-8.) The Project site is located on land designated by the California Department of Conservation in its Farmland Mapping and Monitoring Program as "Prime Farmland," "Farmland of Local

Importance." and "Urban and Built-Up Land" as shown in **Figure 16 – Farmland Map.** It is also located within the San Jacinto River Watershed, which drains an approximately 540-square-mile area of western Riverside County. The 250-foot-wide Perris Valley Channel is the major tributary to the San Jacinto River within the City and flows from north to south through southern Moreno Valley and Perris. (GP 2030 EIR, p. IV-48.)

3.2 Existing Setting

The Project site and off-site improvement area are relatively flat, with elevations averaging 1,450 feet above mean sea level. Historically, the Project site and off-site improvement area have been used for agricultural purposes. The Project site is currently unimproved and vacant. The southeast corner was previously developed with a 41,680-square-foot industrial building and associated parking lot and ornamental vegetation landscaping; however, that structure has been removed from the Project site. Views of the Project site and off-site improvement area existing condition are provided on **Figure 4 – Project Site Photographs**. The Project includes offsite improvements to the Perris Valley Storm Drain (PVSD) which is a regional flood control structure which has been designed to receive storm water flows the Project site.

The Project site and off-site improvement area are located within the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) Mead Valley Area Plan. The Project site is not located within an MSHCP Criteria Cell, Cell Group, or Linkage Area. In addition to the previous development, the Project site contains disturbed vegetation that receives frequent weed abatement (i.e., chain flail mowing, disking).

3.3 Existing General Plan Land Use and Zoning Designation

The Project site has a General Plan land use designation of PVCC SP - Perris Valley Commerce Center Specific Plan as shown on **Figure 5 – General Plan Land Use Designation**. The PVCCSP establishes the zoning for the properties within the PVCC area. The PVCCSP zoning designation for the Project site is General Industrial (GI) as shown on **Figure 6 – Specific Plan Zoning Designation**. The off-site improvement area is located mostly within Indiana Avenue and Harley Knox Boulevard rights of way, and within the PVSD Lateral B, a Riverside County Flood Control and Water Conservation District storm drain facility.

3.4 Surrounding Land Uses

The area to the north of the Project site is located within the City of Moreno Valley. The area surrounding the Project site is dominated by vacant land and existing industrial uses as shown on **Figure 2** above, and as described in **Table A – Surrounding Land Uses**, on the following page.

Table A – Surrounding Land Uses

Location	Existing Land Usage	General Plan Land Use Designation	Zoning Designation
Project Site	**Unimproved/Vacant Land, Warehouse Building that was demolished September 2023**	**PVCC SP - Perris Valley Commerce Center Specific Plan**	**PVCCSP - General Industrial**
North	PVSD Lateral B; City of Moreno Valley Industrial uses and vacant land	Business Park/Light Industrial, Open Space (City of Moreno Valley)	SP2081- Industrial / Business Park, Open Space (City of Moreno Valley)
East	Warehouse	PVCC SP - Perris Valley Commerce Center Specific Plan	PVCCSP - Light Industrial
South	Vehicle auction/storage and asphalt manufacturing	PVCC SP - Perris Valley Commerce Center Specific Plan	PVCCSP - General Industrial
West	Vacant land	PVCC SP - Perris Valley Commerce Center Specific Plan	PVCCSP - General Industrial

3.5 Airport Land Use

The Project site and off-site improvement area are located approximately 5.9 miles to the northwest of the Perris Valley Airport and are located outside of the Perris Valley Airport Influence Area. However, the Project site and the off-site improvement area are located within the March Air Reserve Base/Inland Port Airport Comprehensive Land Use Plan Compatibility Zones A, B1-APZ I, B2, and C1 as shown on **Figure 7 – March Air Reserve Base/Inland Port Airport Compatibility Zones**.

3.6 Vehicular Circulation and Site Access

Regional access to the Project site is provided via Interstate 215 (I-215) located approximately 2 miles west of the Project site. Existing roadways adjacent to the Project site include Harley Knox Boulevard and Indian Avenue. There was an industrial development at the southeastern corner of the Project site, that was demolished in September 2023, that included access via three driveways. Due to the existing medians on Harley Knox Boulevard and Indian Avenue, only one driveway had full access (right-in/right-out and left-in/left-out) to the now demolished building. The General Plan circulation designations and the current roadway conditions are described below: (GP, pp. 24, 30, 41.)

- Harley Knox Boulevard is an east-west six-lane with a raised median roadway designated for 128 foot of right-of-way classified as an Arterial. From Redlands Avenue to I-215, Harley Knox Boulevard is a designated truck route. Harley Knox Boulevard, from Lake Perris Drive to Webster Avenue, is designated as a Class I Shared-Use Path. A Class I Shared-Use Path or Multipurpose Path provides paths completely separated from motor vehicle traffic for use by people walking and biking. Currently, Harley Knox Boulevard has a raised median throughout portions of the Project site's frontage. Portions of the northern half of Harley Knox Boulevard are unimproved and do not contain sidewalks, streetlights, gutters, or the Class I Shared-Use Path. Although, not designated, Harley Knox Boulevard's northern half contains a Class II Bikeway (Bike Lanes). Class II Bike Lanes provide one-way bike travel on a street or highway.

- Indian Avenue is a north-south four-lane roadway with a raised or painted median, designated for 94 foot of right-of-way classified as a Secondary Arterial. From the City's northern limits to Placentia Avenue, Indian Avenue is a designated truck route. Currently, Indian Avenue has a raised median and varies from three lanes at Harley Knox Boulevard to two lanes north of the Project site, where the two northbound lanes merge into a single lane to pass over the existing bridge. Portions of the Project site's frontage are currently unimproved and do not contain sidewalk, or curb and gutter.

3.7 Existing Utility Infrastructure

3.7.1 Water

Domestic water services in the Project vicinity are provided by the Eastern Municipal Water District (EMWD). There are existing water lines near the Project site: a12-inch diameter water line in Harley Knox Boulevard and Indian Avenue. There is also an existing 12-inch diameter water line in Webster Avenue. (PVCCSP, p. 3.0-16.)

3.7.2 Recycled Water

Recycled water service in the Project vicinity is also provided by the EMWD. The EMWD maintains a 12-inch recycled water line in Indian Avenue that is capped and ends approximately 166 linear feet north from the Harley Knox Boulevard and Indian Avenue intersection. There are recycled water lines within Nance Street, south of the Project site, and Redlands Avenue east of the Project site. (PVCCSP, p. 3.0-19.) There are no other existing recycled water lines adjacent to the Project site.

3.7.3 Sewer

Sewer (wastewater) collection and treatment services in the Project vicinity are also provided by the EMWD. The EMWD maintains an existing 15-inch diameter sewer main (flows east) in Harley Knox Boulevard along the Project site's frontage and an existing 12-inch diameter sewer main (flows south) in Indian Avenue along the Project site's frontage.

3.7.4 Storm Drain

The Project site is located within the Perris Valley Master Drainage Plan (PVMDP) within the San Jacinto River watershed, which is part of the larger Santa Ana River watershed. The Perris Valley Storm Drain Lateral B (hereinafter "Lateral B") is an existing Riverside County Flood Control and Water Conservation District storm drain facility that is located adjacent to the north of the Project site. (Refer to **Figure 2 – Aerial Map**.) Lateral B is an earthen channel that conveys stormwater with other tributaries and flows southerly to the San Jacinto River. Additionally, there is an existing City of Perris 18-inch diameter storm drain in Indian Avenue that extends to a portion of Harley Knox Boulevard. This storm drain conveys runoff easterly in Harley Knox Boulevard then northerly in Indian Avenue to Lateral B.

3.7.5 Other Utilities

Existing development utility services are provided by the purveyors identified in **Table B – Utility Purveyors**.

Table B – Utility Purveyors

Services Provided	Purveyor
Water/Recycled Water	EMWD
Sewer	EMWD
Telephone	Verizon/Frontier
Electricity	Southern California Edison
Natural gas	Southern California Gas Company
Solid Waste Disposal	CR&R Environmental Services
Cable Television/Internet	Frontier Communications
Source: PVCCSP and W&R	

There are existing utilities in the surrounding and offsite roadways as follows:

- Indian Avenue – There are two existing power poles and a streetlight along Indian Avenue, within the Project site's frontage. The northern portion of Indian Avenue, along the Project site's frontage, contains above ground telephone and electricity lines. The southern portion of Indian Avenue contains underground telephone and electricity lines.
- Harley Knox Boulevard – There are five (5) existing streetlights along Harley Knox Boulevard, within the Project site's frontage. There is an existing 6-inch diameter gas line in Harley Knox Boulevard.

3.8 Public Transit

Regional bus service in Western Riverside County, including the City, is provided by the Riverside Transit Agency, also known as RTA. Currently, the Riverside Transit Agency operates two bus routes within the PVCC area; Routes 19 and 41. The closest bus route to the Project site is Route 19. The closest bus stop to the Project site is the Perris Boulevard and Ramona Expressway stop, which is approximately 0.5 miles southeast of the Project site.

Metrolink provides heavy-rail, regional transit service to the counties of Los Angeles, San Bernardino, Orange, Ventura, San Diego, and Riverside. The Metrolink stations closest to the Project site are Moreno Valley/March Field Station and Perris Downtown Metrolink Station; approximately 4.6 miles northwest and 5.1 miles south of the site, respectively.

Greyhound Bus Lines provides private transportation services that link the principal population centers of the County with other regions. This includes east-west service connecting Blythe, Indio, Palm Springs, Banning/Beaumont, and Riverside (via San Bernardino). The service continues westward to downtown Los Angeles and intermediate stops. North-south service connects Riverside with Temecula, continuing southward to San Diego. The number of bus trips in each direction ranges from five to eight per day. (GP, p. 24.)

4.0 PROJECT DESCRIPTION

4.1 Land Use Applications

The proposed Project includes the following entitlement applications for consideration by the City of Perris:

- Tentative Parcel Map 25-0004 (TPM 38684): Consolidate the existing seven (7) parcels into one parcel and dedicate portions of the Project site to Harley Knox Boulevard and Indian Avenue Road right-of-way as per **Figure 8 – Tentative Parcel Map 25-0004 (TPM38684)**.
- Development Plan Review (DPR) 22-00016: Develop a 25.10-gross-acre site with a 549,786-square-foot industrial high-cube non-refrigerated speculative warehouse distribution building per **Figure 9 – Site Plan**. In addition to the 25.10-gross-acre Project site, 1.10 acres of off-site improvements are included.

4.2 Proposed Project

The First Industrial Logistics at Harley Knox and Indian Project and off-site improvement area (collectively referred to as proposed Project or Project) involves the merging of seven (7) parcels for the construction and operation of an approximately 549,786-square-foot non-refrigerated warehouse building including infrastructure, appurtenances, associated parking areas, and associated offsite supporting improvements. The proposed warehouse building would accommodate high-cube warehouse distribution uses, anticipating that approximately 10,000 square feet could be utilized for supporting office and mezzanine uses. Pursuant to the PVCCSP Guidelines, the building would include solar-ready rooftop panels. The Project would include a total of 94 dock doors on the north side of the building. Based on the employment projection factor for light industrial uses per the PVCCSP the Project is anticipated to create approximately 542 jobs. The proposed Project would be constructed as a speculative or "spec" building; that is, there is not a specific tenant identified at this time. It is anticipated that the building could operate 24 hours a day, seven days a week. The warehouse is not anticipated to include e-commerce.

As shown on **Figure 10-A – Building Elevations**, **Figure 10-B – Building Elevations**, and **Figure 10-C – Building Elevations,** the design of the building is modern industrial and includes concrete tilt-up wall construction with board-formed cement veneer and standard window glazing. The proposed building height is 48 feet, which would not exceed the City's maximum standard of 50 feet. Consistent with the Perris Municipal Code, Chapter 19.44 Industrial Zones and PVCCSP Chapter 8.2.1.4 Employee Break Areas and Amenities, two outdoor employee break areas with canopies and tables are proposed; one adjacent to the western office and the other adjacent to the eastern office as shown on **Figure 9**. Additionally, a bocce ball area would be included near the western passenger parking area, to the north of the eastern passenger parking area. Future tenants would provide an indoor employee amenity area as required by the PVCCSP.

Project Site Access

The Project site would be accessed by three driveways, one along Harley Knox Boulevard and two along Indian Avenue as shown on **Figure 9**. Automobile vehicles would access the Project site via two driveways: the driveway along Harley Knox Boulevard and the southerly driveway along Indian Avenue. Trucks would access the Project site via one driveway: the northerly driveway on Indian Avenue. The trucks would stop at the guard shack to access the loading areas that are located north of the building.

Emergency vehicle access would be available from the northerly Indian Avenue driveway and from the Harley Knox Boulevard driveway. The existing median on Indian Avenue would be modified to allow a left turn to access the Project site's proposed truck driveway. (See **Figure 9.**) The Indian Avenue northbound lanes would include an approximate 95-foot median transition with an approximate 150-foot left turn pocket so that trucks could access the Project site. The Indian Avenue southbound lanes would be striped for two southbound lanes starting from the Project's frontage to the Indiana Avenue and Harley Knox Boulevard intersection.

Parking

The automobile parking areas would be physically separated from the trucks' path of travel by the building and an 8-foot high manually operated metal gate containing view obscuring mesh and a Knox-pad for emergency vehicle access. This design provides separation between automobile and truck circulation. The Project would provide a total of 188 automobile parking stalls, which includes 147 standard stalls, 5 Americans with Disabilities Act-compliant (ADA) stalls, 1 ADA van stall, 32 standard electric vehicle stalls, 9 electric vehicle charging stations, 1 ADA electric vehicle charging station, 1 van electric vehicle charging station, and 1 ambulatory electric vehicle charging station. Automobile parking would be provided on the east and west side of the building near the office areas. The Project also includes 132 trailer parking stalls. Bike racks would also be provided at the Project site for employee use, per PVCCSP guidelines.

Pedestrian Circulation

To avoid potential conflicts between pedestrians walking between the passenger car parking lots and the office areas, the pedestrian paths of travel are provided between passenger vehicle parking areas and the office areas, away from the trucks' path of travel.

Portions of the existing sidewalk along the Project's frontage in Harley Knox Boulevard and Indian Avenue would be removed in order to construct curb and gutter, new sidewalks, and a multipurpose trail per PVCCSP and City standards. Improvements to Harley Knox Boulevard would include a 12-foot-wide parkway multipurpose lane. The multipurpose lane includes a 4-foot pedestrian path (two 2-foot-wide decomposed granite pedestrian paths), and an 8-foot-wide plain cement concrete bicycle path per PVCCSP and City standards. Improvements to Indian Avenue would include a 12-foot parkway multipurpose lane. The multipurpose lane includes a 4-foot pedestrian path, (two 2-foot-wide decomposed granite pedestrian paths), and an 8-foot-wide plain cement concrete bicycle path. In addition to the multipurpose lane, the Project would include a new 4-foot-wide sidewalk and 6-inch-wide mow curb along the Project frontage, as needed. The existing Class II Bike lanes along Harley Knox Boulevard would remain and would be repainted.

Screening and Landscaping

The Project would include screening and landscaping, consistent with City and PVCCSP standards, and include 14-foot-high screen walls and a 8-foot wrought iron fence along the perimeter of the proposed building, as shown on **Figure 11-A – Screening Details and Figure 11-B – Screening Details.** The proposed landscaping consists of drought-tolerant and climate appropriate trees, shrubs and ground cover that include native species that meet or exceed standards set forth in the PVCCSP as shown on **Figure 12 – Conceptual Landscape Plan**. The landscape plan is designed to provide visual appeal and screen the views of the passenger vehicle parking lots from public rights-of-way as shown on **Figure 13 – Line of Sight**.

All roof mounted mechanical equipment would be set back and fully screened from public view behind a parapet. Trash enclosures would be approximately 8 feet in height and utilize concrete tilt-up panels consistent with the proposed buildings.

Lighting

Project lighting would include security lights along the buildings and screen walls and pole-mounted lights in the parking areas. All Project-related lighting shall be designed, installed, and operated in conformance with the Perris Municipal Code.

4.3 Infrastructure Improvements

Existing and proposed infrastructure is shown on **Figure 14 – Existing and Proposed Utilities**.

4.3.1 Potable Water

The Project would connect to the 12-inch diameter potable water line in Harley Knox Boulevard and the 12-inch diameter potable water line in Indian Avenue for potable water, landscape irrigation, and fire water pump for fire flow demands. Specifically, a 2-inch lateral connection for potable water, a 2-inch lateral connection for landscape irrigation, and a 12-inch diameter lateral connection for fire services is proposed. No offsite potable water line improvements are needed to serve the Project.

4.3.2 Recycled Water

Because there are no existing recycled water lines adjacent to the Project site, other than the capped 12-inch diameter recycled water line in Indian Avenue, recycled water connections are not proposed. As described in *Section 4.3.1*, above, a 2-inch diameter potable water line lateral connection is proposed for landscape irrigation. No offsite recycled water line improvements are needed to serve the Project.

4.3.3 Sewer

The Project includes a proposed 6-inch diameter lateral sewer line to connect to the EMWD's existing 15-inch diameter sewer line in Harley Knox Boulevard. No offsite sewer line improvements are needed to serve the Project.

4.3.4 Storm Drain

The Project applicant proposes onsite curb and gutter and subsurface storm drains that would direct all onsite stormwater and nuisance runoff in subsurface storm drains to underground detention chambers located within the Project site, as shown on **Figure 8**. Following water quality treatment, stormwater would discharge to Lateral B, an earthen channel located north of the Project site, consistent with the PVMDP. As part of the Project, an outfall structure would be constructed outside of the Project site, within Lateral B, as shown on **Figure 8**. The outfall structure includes a concrete end wall that would convey onsite stormwater into the Lateral B channel. The outfall structure would also include riprap to dissipate stormwater flows. Because the outfall structure would be constructed within the Perris Valley Storm Drain, the Lateral B connection to this facility would most likely require regulatory permits from the California Department Fish and Wildlife and the Santa Ana Regional Water Quality Control Board. The final design of the outfall structure would be finalized during final engineering.

4.3.5 Utilities

Future development of the proposed Project site would require on-site network of water, sewer, storm drain, electric, and gas utility services. Currently there are existing water lines, sewer lines,

telecommunications, and electrical lines provided by the purveyors identified in **Table B – Utility Purveyors**. As part of the Project, the following utility improvements and relocations would be made:

- Indian Avenue – The two existing power poles along Indian Avenue would be undergrounded, and the streetlight would be relocated within the Indian Avenue right-of-way.
- Harley Knox Boulevard – The existing five (5) streetlights would be relocated within the Harley Knox Boulevard right-of-way.

4.4 Offsite Improvements

All potential offsite improvements are associated with pedestrian, road improvements, and the outfall structure are discussed in *Section 4.2* and *Section 4.3.4*.

4.5 Construction and Site Preparation

Project site construction would involve grading and earthwork within the Project site boundaries to accommodate the proposed warehouse structure, infrastructure, appurtenances, and associated parking areas as shown on **Figure 15 – Grading Plan**. The proposed warehouse building includes concrete tilt-up wall construction. Nighttime pouring of concrete is anticipated during summer months. The Project site grading is expected to balance onsite so no soil import or export is anticipated.

Prior to grading operations, a Stormwater Pollution Prevention Plan (SWPPP) would be prepared in accordance with the requirements of the statewide general National Pollutant Discharge Elimination System (NPDES) Permit and Waste Discharge Requirements for stormwater discharge from construction sites. The SWPPP would include Project-specific best management practices (BMPs) to reduce erosion and sedimentation and is subject to oversight and enforcement by the City and/or Santa Ana Regional Water Quality Control Board (Regional Water Board). BMPs may include, but not be limited to, soil stabilization controls, perimeter silt fences, placement of hay bales, and use of sediment basins. All erosion and sediment controls would be in accordance with the currently adopted state general permit. The Project developer and construction contractor would be responsible for implementing the BMPs in accordance with the SWPPP.

The Project would be constructed in a single phase and is anticipated to begin in June 2025. Construction is anticipated to be completed in 2026. The duration of construction activity (and associated equipment) represents a reasonable approximation of the expected construction activities as required per the CEQA Guidelines.

4.6 Sustainability Features

The Project would meet or exceed all applicable standards under California's Green Building Code (CalGreen) and the Building Energy Efficiency Standards contained in Title 24. The Project shall implement concepts of efficient design and material use that are consistent with Silver LEED Certification Levels. This would be accomplished by incorporating, at a minimum, the following sustainability features or other features that are equally efficient:

Energy Efficiency

- Design building shells and components, such as windows, roof systems and electrical systems to meet California Title 24 Standards for nonresidential buildings.
- Design buildings to achieve U.S. Green Building Council's Leadership in Energy and Environmental Design (LEED) features for potential certification. This includes design

considerations related to the building envelope, heating, ventilation, and air conditioning (HVAC), lighting, and power systems. Additionally, architectural expressions, such as roofs and windows in the buildings would relate to conserving energy.

- Install energy efficient light-emitting diodes (LED) lighting on the site. Provide skylights for natural daylight to reduce the lighting load, therefore saving energy. Lighting would incorporate motion sensors that turn them off when not in use.
- Meet City minimum landscape requirements and provide adequate landscape shade for the site to reduce energy use.
- Install light-colored roofing materials over office area spaces and light-colored paving materials.
- For future office space, install energy efficient HVAC systems (seasonal energy efficiency ratio (SEER) 13), appliances and equipment, and control systems that are Energy Star rated.
- For future office improvement, refrigerants and HVAC equipment would be selected to minimize or eliminate the emission of compounds that contribute to ozone depletion and global climate change. Ventilation and HVAC systems would be designed to meet or exceed the minimum outdoor air ventilation rates described in the American Society of Heating, Refrigeration, and Air Conditioning Engineers standards and/or per California Title 24 requirements.
- Incorporate Energy Star rated space heating and cooling equipment, light fixtures, appliances, or other applicable electrical equipment.

Water Conservation and Efficiency

- Surface parking lots would be landscaped in accordance with City standards to reduce heat island effect.
- Install water-efficient irrigation systems and devices, such as soil moisture-based irrigation controls and sensors for landscaping according to the California Department of Water Resources Model Efficient Landscape Ordinance and Chapter 19.70 (Landscaping) of the Perris Municipal Code.
- Design buildings to be water-efficient. Install water-efficient fixtures in accordance with Section 5.303 of the California Green Building Standards Code Part 11.
- Restrict watering methods (e.g., prohibit systems that apply water to non-vegetated surfaces) and control runoff in accordance with City Standards.
- Provide education about water conservation and available programs and incentives to the building operators to distribute to employees.

Solid Waste Measures

- Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1 of the California Green Building Standards Code Part 11.
- Provide storage areas for recyclables and green waste and adequate recycling containers located in readily accessible areas in accordance with Section 5.410.1 of the California Green Building Standards Code Part 11.
- The property operator would provide readily available information provided by the City for employee education about reducing waste and available recycling services.

Transportation and Motor Vehicles

- Limit idling time for commercial vehicles to no more than five minutes per Title 13 of the California Code of Regulations, Section 2485.
- Provide electric vehicle (EV) infrastructure and facilitate EV charging in accordance with Section 5.106.5.3, Electric Vehicle Charging Requirements, of the California Green Building Standards Code Part 11. Accordingly, the Project would provide 25 EV-capable parking spaces and at least 6 of these spaces would be equipped with EV charging stations at Project opening.
- Signage shall be posted onsite directing truck drivers to use existing City truck routes on Harley Knox Boulevard.
- Provide Class II bike lanes on Harley Knox Boulevard, within the Project's frontage, per the City's Active Transportation Plan.
- Provide adequate bicycle parking near building entrances to promote cyclist safety, security, and convenience in compliance with Section 5.106.4 of the California Green Building Standards Code Part 11 and standard City code requirements.

Onsite Equipment and Loading Docks

- The Project owner would inform building operators of existing requirements to turn off equipment, including heavy-duty equipment, motor vehicles, and portable equipment, when not in use for more than 5 minutes. Truck idling shall not exceed 5 minutes in time. All facilities would post signs (both interior and exterior facing signs, including signs directed at all dock and delivery areas) requiring that trucks shall not be left idling for more than 5 minutes pursuant to Title 13 of the California Code of Regulations, Section 2485, which limits idle times to not more than five minutes and to report violations to California Air Resources Board, the South Coast Air Quality Management District, and the building manager.
- Service equipment (i.e., yard trucks and forklifts) used within the site shall be electric or powered by other alternative fuels.

Construction

- Require Construction Equipment to Turn Off When Not in Use per Title 13 of the California Code of Regulations, Section 2449.
- Use regionally produced and/or manufactured building materials, where feasible, for Project construction.

Use "green" building materials where feasible, such as those materials that are resource efficient and recycled and manufactured in an environmentally friendly way.

4.7 Discretionary Actions and Approvals

The following approvals and permits are required from the City to implement the proposed Project:

- Certification of an EIR with the determination that the EIR has been prepared in compliance with the requirements of CEQA;
- Tentative Parcel Map 25-0004 (TPM 38684): Consolidate the existing seven (7) parcels into one parcel and dedicate portions of the Project site to Harley Knox Boulevard and Indian Avenue Road right-of-way; and

- Development Plan Review (DPR: Develop an approximately 25.1-gross-acre site with an approximately 549,786-squarefoot industrial high-cube non-refrigerated speculative warehouse distribution building per **Figure 9 – Site Plan**. The speculative unrefrigerated warehouse/distribution building is assumed to operate 24 hours a day 7 days a week. The Project proponent has committed to achieve LEED Silver Certified status for the building. In addition to the 25.1-acre site, up to 1.1 additional acres of potential offsite improvements may be necessary.

Other non-discretionary actions anticipated to be taken by the City at the staff level as part of the proposed Project include:

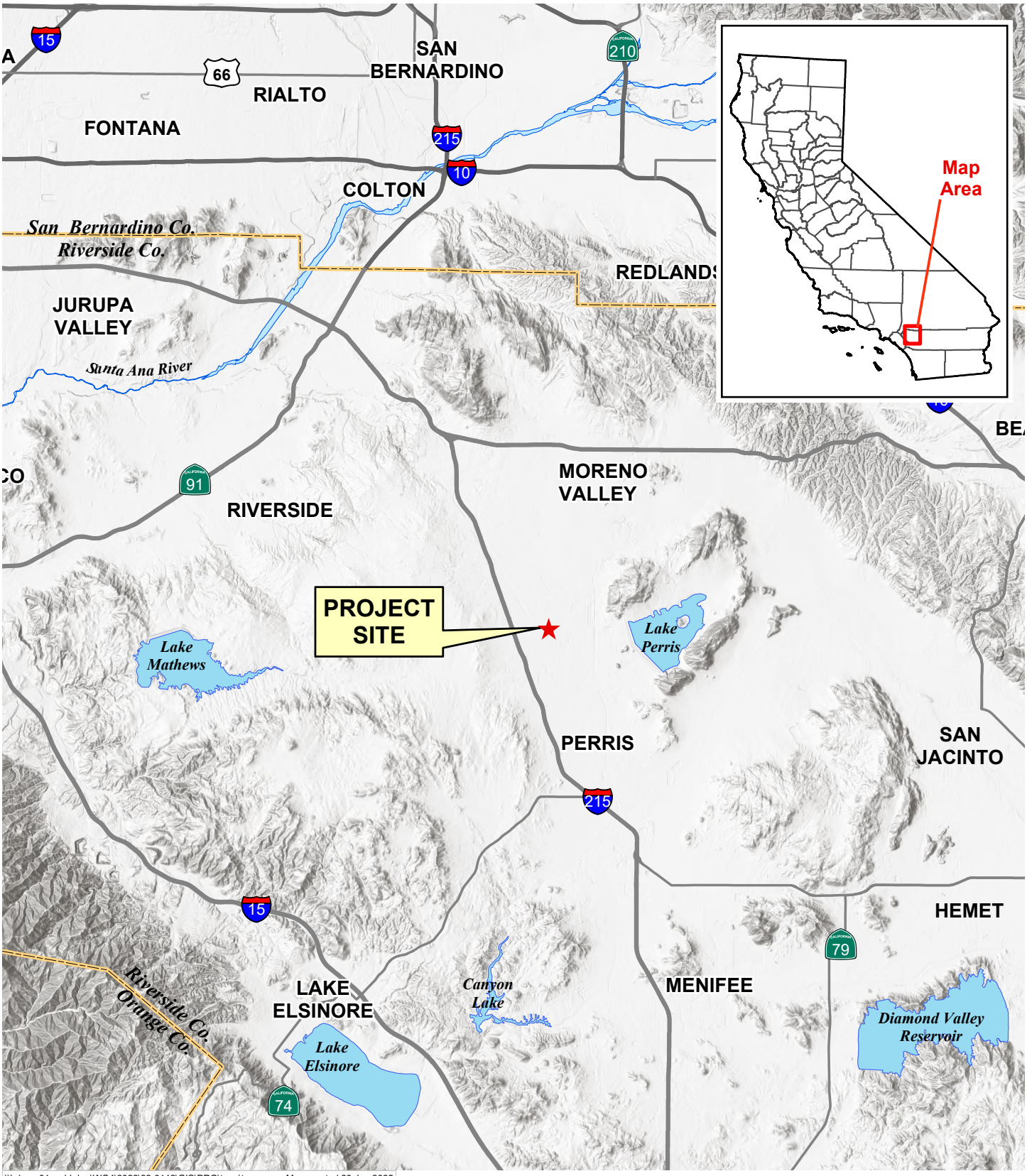
- Review and approval of all infrastructure plans, including street and utility improvements pursuant to the conditions of approval;
- Review all on and offsite plans, including grading and on and offsite utilities; and
- Approval of a preliminary Water Quality Management Plan (WQMP) to mitigate post-construction runoff flows.

Approvals and permits that may be required by other agencies include:

- Santa Ana Regional Water Quality Control Board - National Pollutant Discharge Elimination System (NPDES) permit to ensure that construction site drainage velocities are equal to or less than the pre-construction conditions and downstream water quality is not worsened;
- South Coast Air Quality Management District – Compliance with the Indirect Source Rule (Rule 2305) for warehouse owners and operators and a permit to install and operate a diesel fueled fire water pump;
- Eastern Municipal Water District (EMWD) – Approval of water and sewer improvement plans;
- Other utility agencies - Permits or associated approval as necessary, for installation of new utility infrastructure or connections to existing facilities;
- Riverside County Flood Control and Water Conservation District - Encroachment permit for construction of Line A to discharge into the Perris Valley Storm Drain (PVSD), Lateral B;
- California Department of Fish and Wildlife - Section 1602 Lake and Streambed Alteration Agreement for the storm drain connections to the Perris Valley Storm Drain; and
- Santa Ana Regional Water Quality Control Board – Waste Discharge Permit for storm drain connections to the Perris Valley Storm Drain

FIGURE 1

Regional Map



\\brkpan01.webb.lan\WO4\2022\22-0142\GIS\PRO\topo\topo.aprx Map created 28 Jan 2025

ALBERT A. WEBB ASSOCIATES

0 5 10 Miles

Source: Riverside County GIS, 2020

FIRST INDUSTRIAL LOGISTICS AT HARLEY KNOX AND INDIAN

FIGURE 2

Aerial Map



LEGEND

- Project Boundary
- Offsite Disturbance Footprint

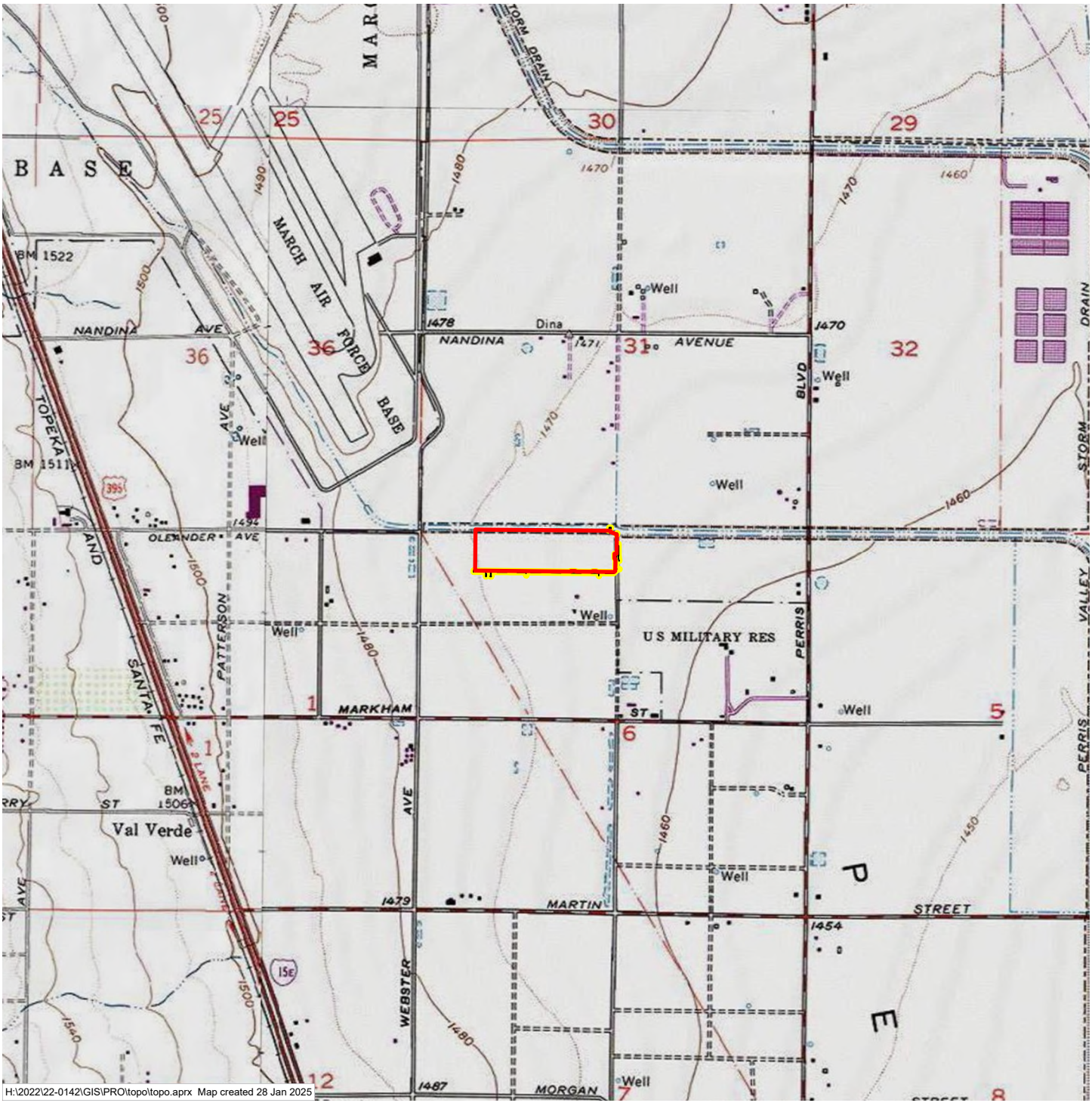
0 137.5 275 Feet

Source: Nearmap, 2024.

ALBERT A. WEBB ASSOCIATES

FIGURE 3

USGS Topographic Map



LEGEND

- Project Boundary
- Offsite Disturbance Footprint

0 1,000 2,000 Feet

Sources: ESRI / USGS 7.5min Quads: Perris, Riverside East, Steele Peak, Sunnymead.

ALBERT A. WEBB ASSOCIATES

FIGURE 4

Project Site Photographs



SW Corner - Facing North



SW Corner - Facing Northeast



SW Corner - Facing East



SE Corner - Facing West



SE Corner - Facing Northwest



SE Corner - Facing North



NE Corner - Facing West



NE Corner - Facing Southwest

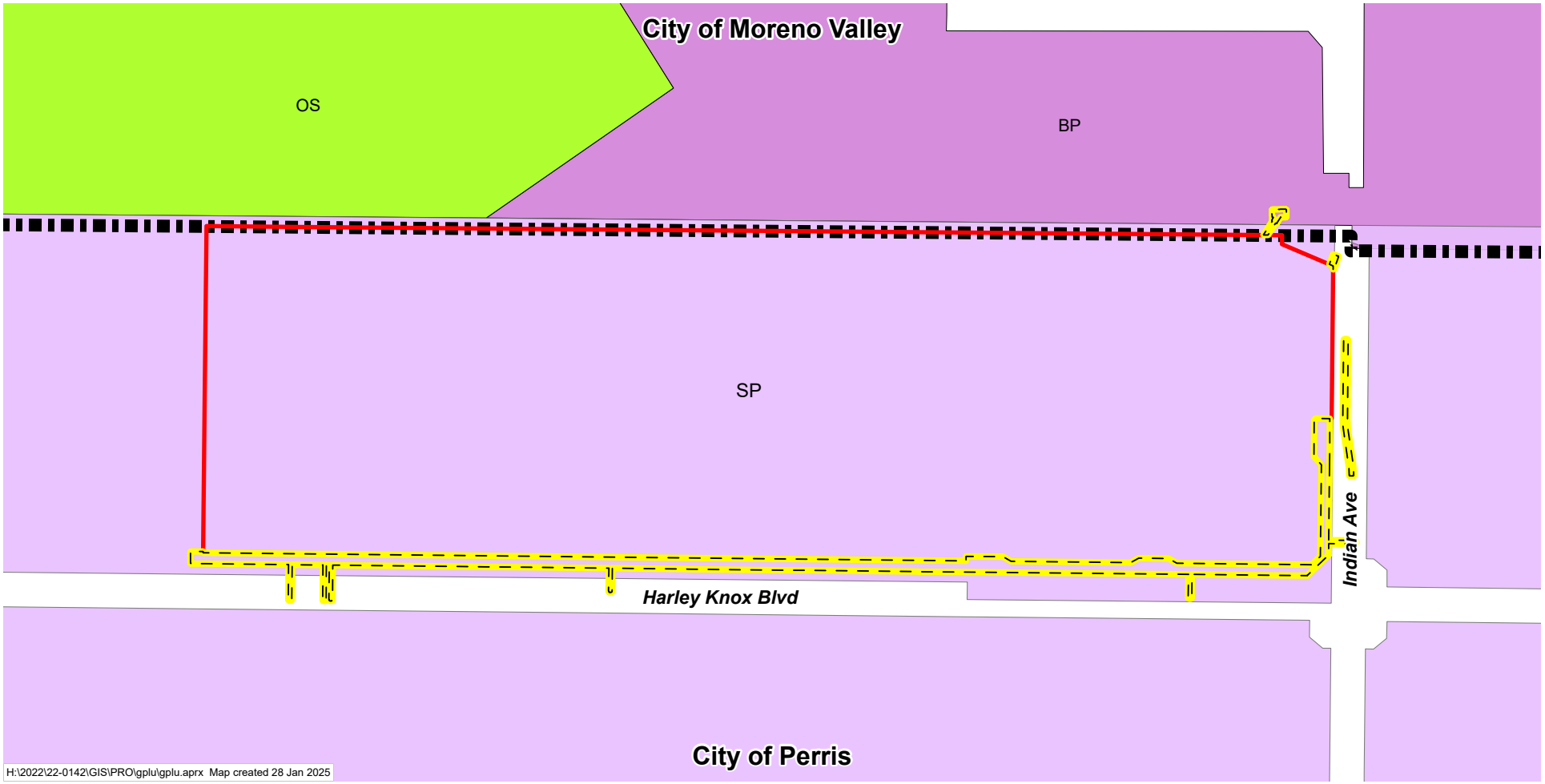


NE Corner - Facing South

ALBERT A. WEBB ASSOCIATES

FIGURE 5

General Plan Land Use Designation



LEGEND

- Project Boundary
- Offsite Disturbance Footprint

Perris GP Land Use Designation

- PVCC Specific Plan

Moreno Valley GP Land Use Designation

- Business Park/Light Industrial
- Open Space
- Cities

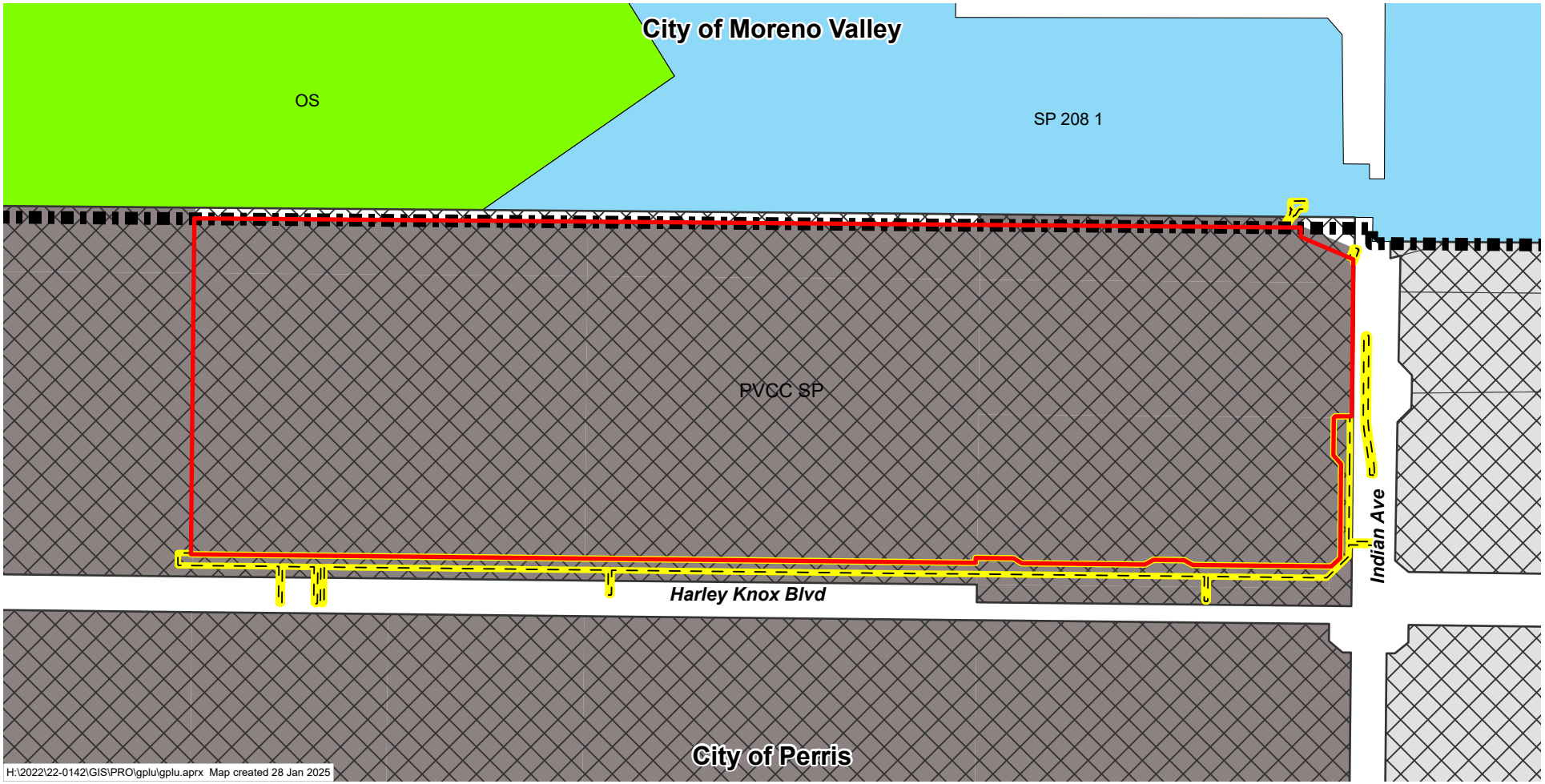
0 140 280 Feet

Sources: City of Perris General Plan Land Use, 2018; City of Moreno Valley, 2019.

ALBERT A. WEBB ASSOCIATES

FIGURE 6

Specific Plan Zoning Designation



LEGEND

- Project Boundary
- Offsite Disturbance Footprint
- Cities

Moreno Valley Zoning

- Industrial/Business Park
- Open Space/Park

Perris Zoning

- Perris Valley Commerce Center General Industrial SP

PVCCSP Zoning

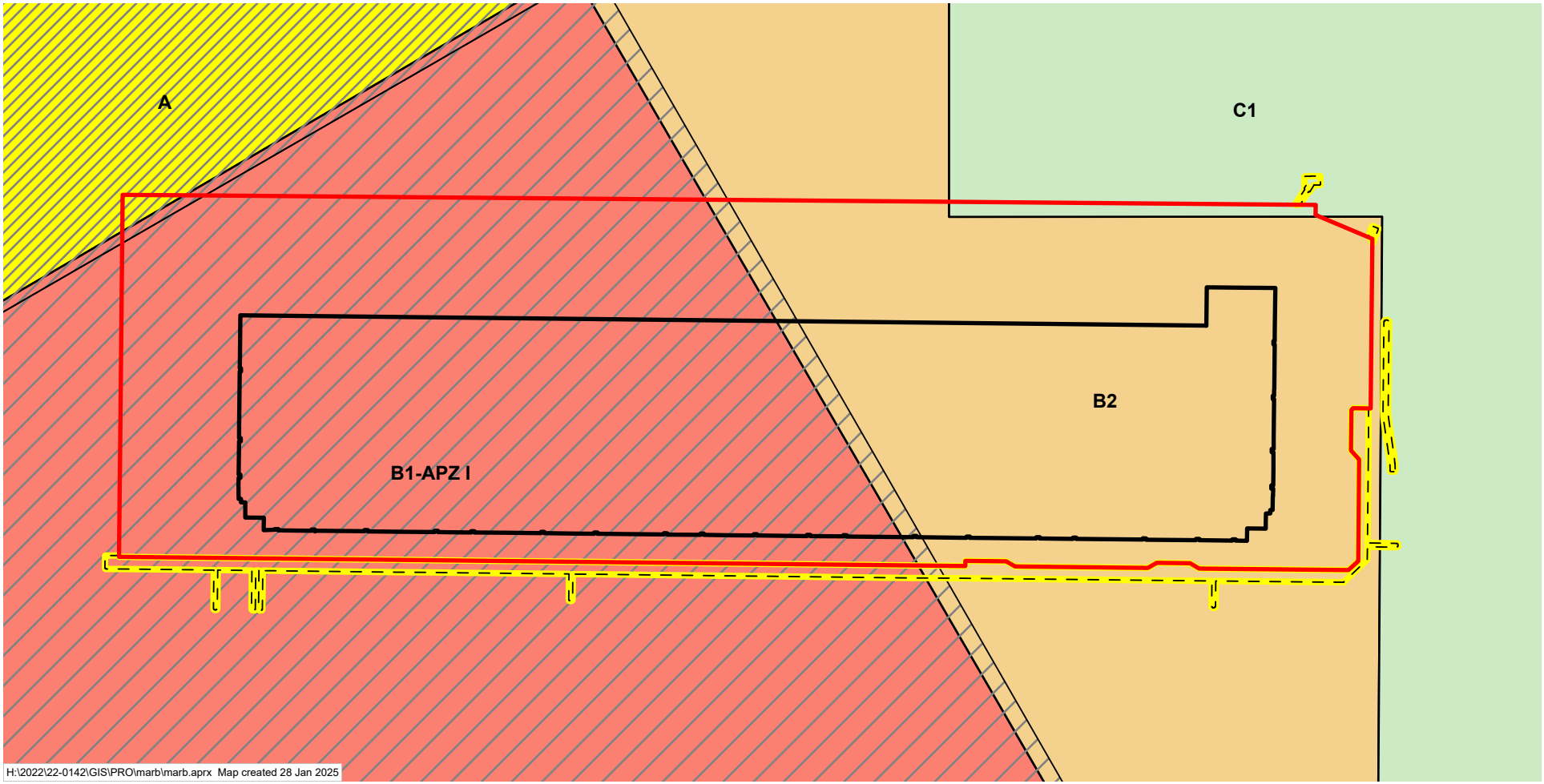
- Light Industrial
- General Industrial

0 137.5 275 Feet

Sources: City of Perris General Plan Land Use, 2010; City of Moreno Valley Zoning, 2022.

ALBERT A. WEBB ASSOCIATES

FIGURE 7 March Air Reserve Base/Inland Port Airport Compatibility Zones



LEGEND

- Project Boundary
- Building Footprint
- Offsite Disturbance Footprint

March Air Reserve Base Airport Compatibility Zones

- Zone A
- Zone B1-APZ I
- Zone B2
- Zone C1

Accident Potential Zones

- Clear Zone
- APZ I

0 125 250 Feet

Sources: Accident Potential Zones, 2008; Airport Compatibility Zones, 2024; Nearmap, 2024.

ALBERT A. WEBB ASSOCIATES

FIGURE 8

Tentative Parcel Map 25-0004 (TPM 38684)

TENTATIVE PARCEL MAP NO. 38684

IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA

BEING A SUBDIVISION OF PORTIONS OF LOTS 1, 2 AND 3, BLOCK 3 OF RIVERSIDE TRACT, AS PER MAP RECORDED IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY.

APNs:

302-020-013
302-020-028
302-020-038
302-020-043
302-020-048

NOTES:

DATE OF PREPERATION: 05-25-2022
GROSS ACREAGE: 22.418
NET ACREAGE: 21.580
ANY EXISTING BUILDINGS SHOWN HEREON WILL BE REMOVED
TOTAL OF NUMBERED PARCELS: 1
TOTAL OF LETTERED LOTS: 0

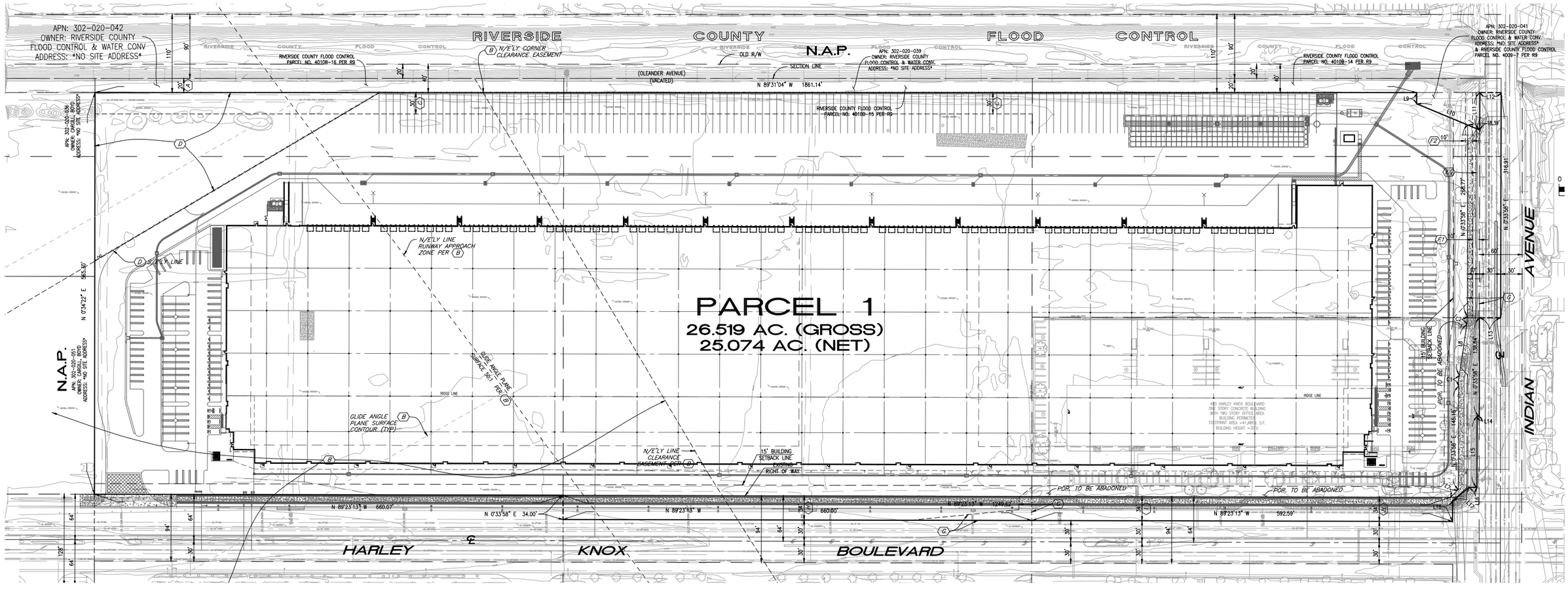

APN: 302-020-042
OWNER: RIVERSIDE COUNTY FLOOD CONTROL & WATER CONV
ADDRESS: *NO SITE ADDRESS*
RIVERSIDE COUNTY FLOOD CONTROL PARCEL NO. 4010B-16 PER R9
RIVERSIDE COUNTY FLOOD CONTROL
N/E'LY CORNER CLEARANCE EASEMENT
(OLEANDER AVENUE) (VACATED)
OLD R/W
SECTION LINE
N 89°31'04" W 1861.14'
N.A.P.
APN: 302-020-039
OWNER: RIVERSIDE COUNTY FLOOD CONTROL & WATER CONV.
ADDRESS: *NO SITE ADDRESS*
RIVERSIDE COUNTY FLOOD CONTROL PARCEL NO. 4010B-15 PER R9
RIVERSIDE COUNTY FLOOD CONTROL PARCEL NO. 4010B-14 PER R9
APN: 302-020-041
OWNER: RIVERSIDE COUNTY FLOOD CONTROL & WATER CONV.
ADDRESS: *NO SITE ADDRESS*
& RIVERSIDE COUNTY FLOOD CONTROL PARCEL NO. 4009-7 PER R9
APN: 302-020-040
OWNER: RIVERSIDE COUNTY FLOOD CONTROL & WATER CONV.
ADDRESS: *NO SITE ADDRESS*
N.A.P.
APN: 302-020-051
OWNER: CARGILL BOYD
ADDRESS: *NO SITE ADDRESS*
N 0°34'22" E 583.30'
S/E'LY LINE
N/E'LY LINE RUNWAY APPROACH ZONE PER B
GLIDE ANGLE PLANE SURFACE 50:1 PER B
GLIDE ANGLE PLANE SURFACE CONTOUR (TYP)
RIDGE LINE
PARCEL 1
26.519 AC. (GROSS)
25.074 AC. (NET)
480 HARLEY KNOX BOULEVARD
ONE STORY CONCRETE BUILDING WITH TWO STORY OFFICE AREA
BUILDING PERIMETER
FOOTPRINT AREA =412,000 S.F.
BUILDING HEIGHT =30.0
N/E'LY LINE CLEARANCE EASEMENT PER G
15' BUILDING SETBACK LINE
EXISTING RIGHT OF WAY
POR. TO BE ABADONED
N 89°23'13" W 660.07'
N 0°33'58" E 34.00'
N 89°23'13" W
660.00'
N 89°23'13" W 1320.59'
N 89°23'13" W 592.59'
HARLEY KNOX BOULEVARD
INDIAN AVENUE
N 0°33'58" E 268.77'
N 0°33'58" E 316.91'
N 0°33'58" E 136.84'
N 0°33'58" E 146.14'
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FIGURE 9

Site Plan

PROJECT DATA

	BLDG. 2
SITE AREA	
In s.f.	1,094,727 s.f.
In acres	25.13 ac
BUILDING AREA	
Office - 1st floor	5,000 s.f.
Office - 2nd floor	5,000 s.f.
Warehouse	539,786 s.f.
TOTAL	549,786 s.f.
COVERAGE	49.8%
F.A.R.:	0.502
AUTO PARKING REQUIRED	
Office: (office area is less than 10%)	
Where: 1st 20K @ 1/1,000 s.f.	20 stalls
2nd 20K @ 1/2,000 s.f.	10 stalls
above 40K @ 1/5,000 s.f.	102 stalls
TOTAL	132 stalls
AUTO PARKING PROVIDED	
Standard (9' x 19')	105 stalls
Standard (11' x 19')	42 stalls
Accessible Parking (Standard)(9'x18')	5 stalls
Accessible Parking (Van) (12'x18')	1 stalls
Standard EV Spaces (9' x 19')	32 stalls
Standard EVCS (9' x 19')	9 stalls
Accessible EVCS Parking (Standard) (9'x18')	1 stalls
Accessible EVCS Parking (Van) (12'x18')	1 stalls
Accessible EVCS Parking (Ambulatory) (12'x18')	1 stalls
TOTAL	188 stalls
TRAILER PARKING REQUIRED	
Trailer: 1/5,000 SF	110 stalls
TRAILER PARKING PROVIDED	
Trailer (10' x 55')	132 stalls
ZONING ORDINANCE FOR CITY	
Zoning Designation - Perris Valley Commerce Center General Industrial	
MAXIMUM BUILDING HEIGHT ALLOWED	
Height - 50'	
MAXIMUM FLOOR AREA RATIO	
FAR - 75	
MAXIMUM LOT COVERAGE	
Coverage - 50%	
LANDSCAPE REQUIREMENT	
Percentage - 10%	109,473 s.f.
LANDSCAPE PROVIDED	
In s.f.	183,438 s.f.
Percentage	16.8%
SETBACKS	
Harley Knox - 15'	
Side/ Rear - none, adjoining R zone- 20'	

SITE PLAN KEYNOTES

1. HEAVY BROOM FINISH CONC. PAVEMENT.
2. PUMP HOUSE
3. CONCRETE WALKWAY
4. ENHANCED DRIVEWAY APRONS TO BE CONSTRUCTED PER "L" DRAWINGS.
5. 5'-6"x3'-6"x4" MIN. THICK CONCRETE EXTERIOR LANDING PAD TYP. AT ALL EXTERIOR MAN DOORS TO LANDSCAPED AREAS. FINISH TO BE MEDIUM BROOM FINISH. SLOPE TO BE 1/4" - 1/2" MAX. PROVIDE WALK TO PUBLIC WAY OR DRIVE WAY W/ 1:20 MAX. AS REQ. BY CITY INSPECTOR.
6. PROVIDE METAL, MANUAL OPERATED SLIDING GATES W/ PERFORATED SCREEN MESH & KNOX-PAD LOCK PER FIRE DEPARTMENT STANDARDS PER DRIVEWAY.
7. PROVIDE METAL, MANUAL OPERATED SWING GATES W/ PERFORATED SCREEN MESH & KNOX-PAD LOCK PER FIRE DEPARTMENT STANDARDS PER DRIVEWAY.
8. LANDSCAPE. SEE "L" DWGS.
9. CONCRETE TILT-UP SCREEN WALL
10. BIKE RACK. PLEASE SEE DETAIL D/DAB-A4.1
11. APPROXIMATE LOCATION OF TRANSFORMER.
12. 8'H WROUGHT IRON FENCE
13. 14' H SCREEN WALL WITH ANTI GRAFFITI COATING
14. ELECTRICAL ROOM
15. PROPOSED SITE LIGHT POLE.
16. PROPOSED STREET LIGHT
17. TRASH ENCLOSURE PER CITY STANDARD.
18. PROPOSED FIRE HYDRANT
19. HANDICAPPED PARKING STALL SIGN
20. HANDICAPPED ENTRY SIGN
21. PRE-CAST CONC. WHEEL STOP
22. CONC. FILLED GUARD POST "6 DIA. U.N.O. 42" H.
23. EXTERIOR CONC. STAIR.
24. CLEAR ZONE. THIS AREA TO BE SECURED FROM ANY OUTDOOR STORAGE AND PARKING. THIS AREA WILL BE UTILIZED FOR ON – SITE DRAINAGE
25. COLOR CONCRETE WITH SCORING LINES AT TRUCK DRIVEWAY
26. EMPLOYEE BREAK AREA WITH PICKLE BALL
27. EMPLOYEE BREAK AREA WITH CANOPY AND TABLE
28. FUTURE INDOOR EMPLOYEE BREAK AREA
29. AUTOMATIC BOOM BARRIER DOUBLE GATE
30. PROPOSED 8' CLASS I MULTIPURPOSE PATH
31. 3' WIDE W/ SWING GATE W/LOCKSET
32. RAISED PLANTER
33. KNOX BOXES & KNOX DEVICES SHALL BE PROVIDED
34. PROPOSED FIRE DEPT CONNECTION(FDC) LOCATION
35. EMPLOYEE BREAK AREA WITH BOCCE BALL COURT
36. GUARD SHACK

SITE PLAN GENERAL NOTES

1. THE SOILS REPORT PREPARED BY _____ SHOULD BE A PART OF THESE CONTRACT DOCUMENTS.
2. IF SOILS ARE EXPANSIVE IN NATURE, USE STEEL REINFORCING FOR ALL SITE CONCRETE.
3. ALL DIMENSIONS ARE TO THE FACE OF CONCRETE WALL, FACE OF CONCRETE CURB OR GRID LINE U.N.O.
4. SEE "C" PLANS FOR ALL CONCRETE CURBS, GUTTERS AND SWALES.
5. THE ENTIRE PROJECT SHALL BE PERMANENTLY MAINTAINED WITH AN AUTOMATIC IRRIGATION SYSTEM, PRIOR TO INSTALLATION & AT LEAST 60 DAYS BEFORE BLDG. COMPLETION.
6. SEE "C" DRAWINGS FOR POINT OF CONNECTIONS TO OFF-SITE UTILITIES. CONTRACTOR SHALL VERIFY ACTUAL UTILITY CONTRACTOR SHALL VERIFY ACTUAL UTILITY LOCATIONS.
7. PROVIDE POSITIVE DRAINAGE AWAY FROM BLDG. SEE "C" DRAWINGS.
8. CONTRACTOR TO REFER TO "C" DRAWINGS FOR ALL HORIZONTAL CONTROL DIMENSIONS. SITE PLANS ARE FOR GUIDANCE AND STARTING LAYOUT POINTS.
9. SEE "C"DRAWINGS FOR FINISH GRADE ELEVATIONS.
10. CONCRETE SIDEWALKS TO BE A MINIMUM OF 4" THICK W/ TOOLED JOINTS AT 6' O.C. EXPANSION/CONSTRUCTION JOINTS SHALL BE A MAXIMUM 12' EA. WAY W/ 1:20 MAX. SLOPE. EXPANSION JOINTS TO HAVE COMPRESSIVE EXPANSION FILLER MATERIAL OF 1/4". SEE "L" DRAWINGS FOR FINISH.
11. PROVIDE TWO FIRE HYDRANT ON THE SITE. FINAL LOCATION WILL DETERMINATE IN DURING SUBMITTAL.
12. PAINT CURBS AND PROVIDE SIGNS TO INFORM OF FIRE LANES AS REQUIRED BY FIRE DEPARTMENT.
13. CONSTRUCTION DOCUMENTS PERTAINING TO THE LANDSCAPE AND IRRIGATION OF THE ENTIRE PROJECT SITE SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND APPROVED BY PUBLIC FACILITIES DEVELOPMENT PRIOR TO ISSUANCE OF BUILDING PERMITS.
14. PRIOR TO FINAL CITY INSPECTION, THE LANDSCAPE ARCHITECT SHALL SUBMIT A CERTIFICATE OF COMPLETION TO PUBLIC FACILITIES DEVELOPMENT.
15. NOT USED
16. ALL LANDSCAPE AND IRRIGATION DESIGNS SHALL MEET CURRENT CITY STANDARDS AS LISTED IN GUIDELINES OR AS OBTAINED FROM PUBLIC FACILITIES DEVELOPMENT.
17. NOT USED.
18. LANDSCAPED AREAS SHALL BE DELINEATED WITH A MINIMUM SIX INCHES (6") HIGH CURB
19. APPROVED CONCEPTUAL LANDSCAPE PLAN PRIOR TO GRADING PERMIT

SITE LEGEND

- LANDSCAPED AREA
- SITE PAVING – SEE "C" DRWGS. FOR THICKNESS
- CONCRETE PAVING SEE "C" DRWGS. FOR THICKNESS
- STANDARD PARKING STALL (9' X 19')
- HANDICAP PARKING STALL (9' X 19')
- 26' FIRE LANE.
- FIRE LANE RED CURBS
- LIGHT STANDARD
- EXISTING PUBLIC FIRE HYDRANT
- PRIVATE FIRE HYDRANT– APPROXIMATE LOCATION
- PROPERTY LINE
- PATH OF TRAVEL
- TRUCK IN & OUT
- FIRE LANE

PROPERTY OWNER

FIRST INDUSTRIAL REALTY TRUST
898 N. PACIFIC COAST HIGHWAY SUITE 175
EL SEGUNDO, CA 90245
TEL: (310) 414-5400
CONTACT: MICHAEL GOODWIN
MGOODWIN@FIRSTINDUSTRIAL.COM

APPLICANT

FIRST INDUSTRIAL REALTY TRUST
898 N. PACIFIC COAST HIGHWAY SUITE 175
EL SEGUNDO, CA 90245
TEL: (310) 414-5400
CONTACT: MICHAEL GOODWIN
MGOODWIN@FIRSTINDUSTRIAL.COM

APPLICANT'S REPRESENTATIVE

HPA, INC.
18831 BARDEEN AVE SUITE 100
IRVINE CA 92612
TEL: 949-862-2116
ATTN: RUBEN CHOI

ADDRESS OF THE PROPERTY

657 HARLEY KNOX BOULEVARD PERRIS, CA

ASSESSOR'S PARCEL NUMBER

302-020-043, 302-020-048,
302-020-013, 302-020-028, 302-020-038
302-020-040, 302-020-032

ZONING

ZONING DESIGNATION - PERRIS VALLEY COMMERCE CENTER
GENERAL INDUSTRIAL

LEGAL DESCRIPTION

REFER TO CIVIL

REFERENCE FOR THE FULL LEGAL DESCRIPTION FOR CONCEPTUAL GRADING PLAN SHEET 1 OF 9

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

LOTS 36 BLOCK 3 OF RIVERSIDE TRACT, IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 14, PAGE 668 OF MAPS, RECORD OF SAN DIEGO COUNTY.

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

PARCEL A: THE NORTH OF ONE HALF OF LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA.

PARCEL B: LOT 2 OF BLOCK 3 OF RIVERSIDE TRACT, AS SHOWN BY MAP ON FILE IN BOOK 14 PAGE 668 OF MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

39.3: REAL PROPERTY IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

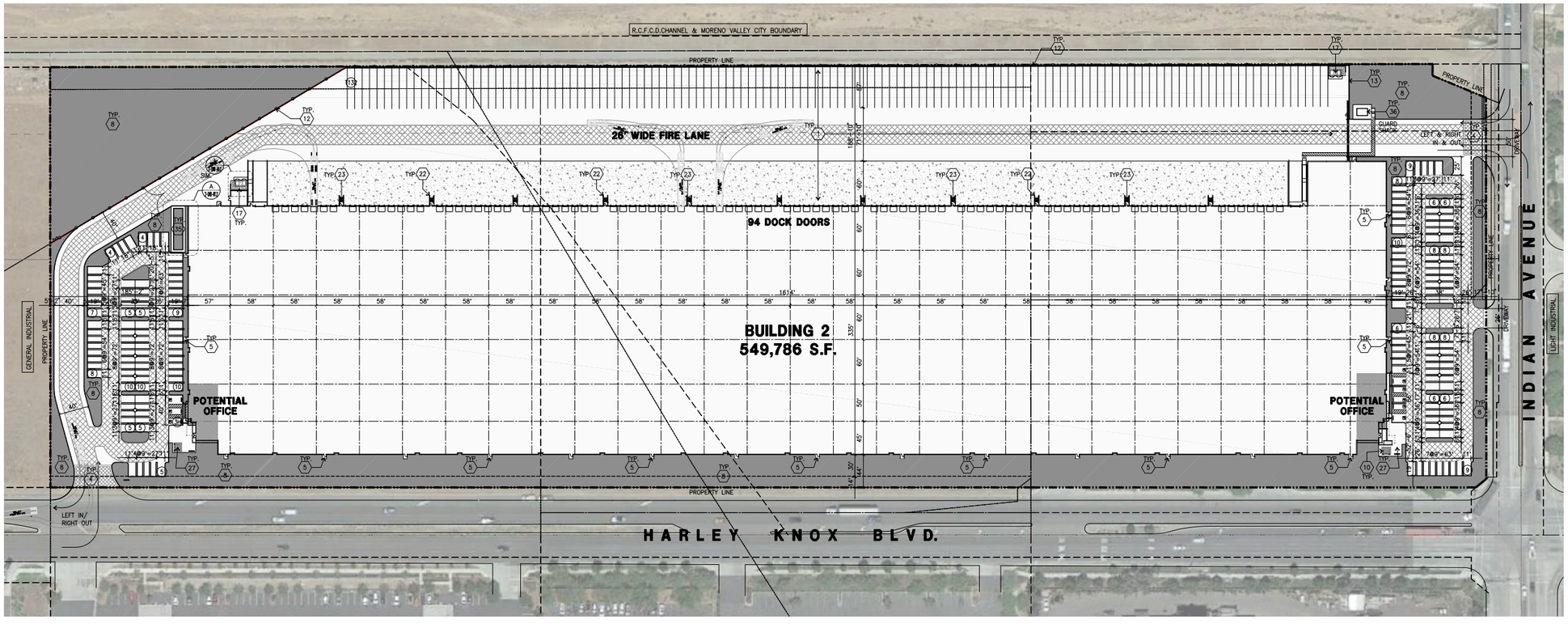
LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE(S) 668, OF MAPS, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA, EXCEPTING THAT PORTION LYING SOUTH OF THE FOLLOWING DESCRIBED LINE :

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF SAID SECTION 31 AND THE EAST LINE OF WEBSTER AVENUE AS SHOWN BY RECORD OF SURVEY ON FILE IN BOOK 64, PAGE 54, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA

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

THE SOUTH-[illegible] OF LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY, EXCEPT THAT PORTION DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 1, SAID SOUTHEAST CORNER BEING A POINT ON THE WEST LINE OF INDIAN AVENUE, 60.00 FEET WIDE.



\\brkpan01.webb.lan\WO4\2022\22-0142\GIS\PRO\engineering_templates\engineering_templates.aprx Map created 23 Jan 2025

ALBERT A. WEBB ASSOCIATES

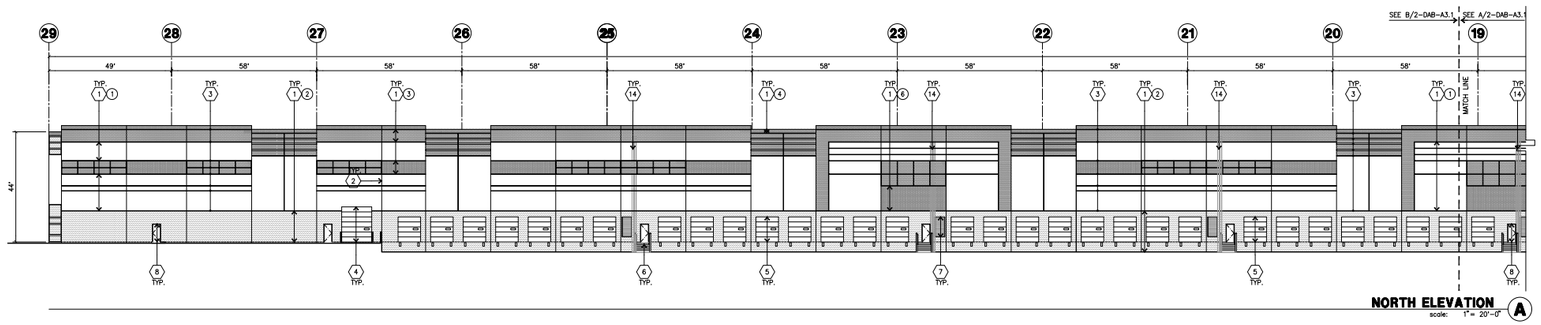
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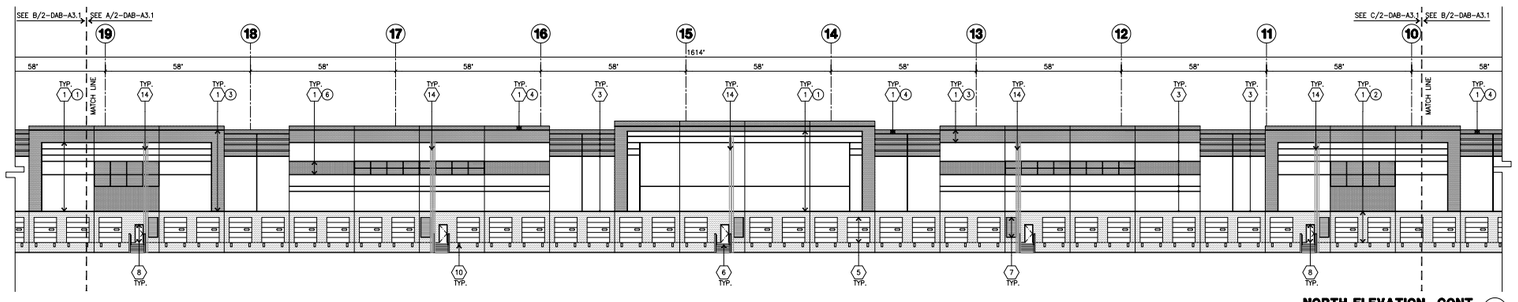
Sources: First Industrial Realty Trust, Inc., HPA Architecture, and Thienes Engineering, Inc., Mar. 20, 2023

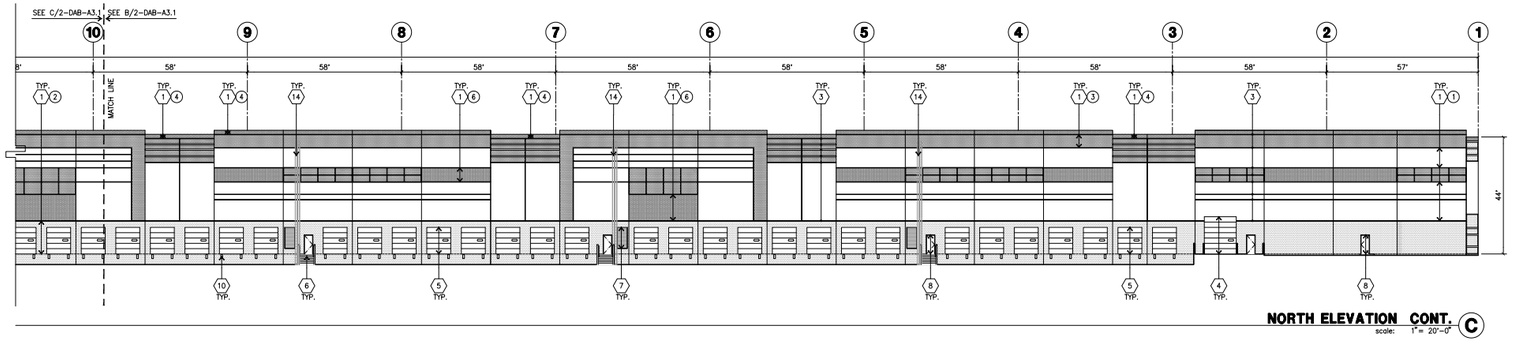
FIRST INDUSTRIAL LOGISTICS AT HARLEY KNOX AND INDIAN

FIGURE 10-A

Building Elevations







KEYNOTES - ELEVATIONS

1. CONCRETE TILT-UP PANEL(PAINTED). FINISH GRADE VARIES. SEE "C" DRAWINGS. WATERPROOF ALL WALLS WHERE GRADE IS HIGHER AND EXPOSED TO THE WEATHER ONE SIDE. WATERPROOFING TO BE PROTECTED WITH PROTECTION BOARD AND A MIN. OF 6" OF GRAVEL. PROVIDE TRENCH DRAIN AT BOTTOM AND DAYLIGHT TO CURB OR TAKE TO STORM DRAIN. NOT REQUIRED AT DOCK HIGH CONDITION OR AT RAMP WALLS.
2. PANEL JOINT.
3. PANEL REVEAL. ALL REVEALS TO HAVE A MAX. OF 3/8" CHAMFER. REVEAL COLOR TO MATCH ADJACENT BUILDING FIELD COLOR. U.N.O.
4. OVERHEAD DOOR @ DRIVE THRU. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND. PAINT COLOR TO MATCH FIELD COLOR.
5. OVERHEAD DOOR @ DOCK HIGH. PROVIDE COMPLETE WEATHER-STRIPPING PROTECTION ALL AROUND. PAINT COLOR TO MATCH FIELD COLOR.
6. CONCRETE STAIR, LANDING AND GUARDRAIL W/ METAL PIPE HANDRAIL. PROVIDE NON SKID NOSING TO MEET ADA REQUIREMENTS. PROVIDE CONTRASTING COLORED 3" WIDE WARNING STRIPE INTEGRAL TO CONCRETE AT TOP LANDING AND BOTTOM TREAD PER ADA REQUIREMENTS.
7. METAL LOUVER. PAINT COLOR TO MATCH FIELD COLOR.
8. HOLLOW METAL DOORS. PROVIDE COMPLETE WEATHER STRIPING ALL AROUND DOOR. PROVIDE FOR RAIN DIVERTER ABOVE DOOR.
9. ROOF LINE BEYOND.
10. DOCK BUMPER
11. ALUMINUM STOREFRONT FRAMING WITH TEMPERED GLAZING AT ALL DOORS, SIDELITES ADJACENT TO DOORS AND GLAZING WITH BOTTOMS LESS THAN 18" ABOVE FINISH FLOOR ELEVATION.
12. PARAPET RETURN
13. TUBE STEEL CANOPY
14. INTERIOR ROOF DRAIN WITH OVERFLOW DRAIN
15. INTERIOR ROOF DRAIN WITH OVERFLOW SCUPPERS
16. NOT USED

GENERAL NOTES - ELEVATIONS

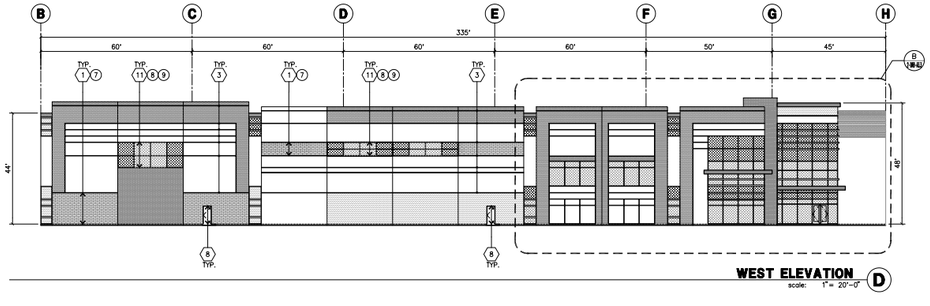
A. ALL PAINT COLOR CHANGES TO OCCUR AT INSIDE CORNERS UNLESS NOTED OTHERWISE.
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F. CONTRACTOR SHALL FULLY PAINT ONE CONCRETE PANEL W/ SELECTED COLORS. ARCHITECT AND OWNER SHALL APPROVE PRIOR TO PAINTING REMAINDER OF BUILDING.
G. BACK SIDE OF PARAPETS TO HAVE SMOOTH FINISH AND BE PAINTED WITH ELASTOMERIC PAINT.
H. FOR SPANDREL GLAZING, ALLOW SPACE BEHIND SPANDREL TO BREATH.
J. USE ADHESIVE BACK WOOD STRIPS FOR ALL REVEAL FORMS.
K. THE FIRST COAT OF PAINT TO BE ROLLED-ON AND THE SECOND COAT TO BE SPRAYED-ON

COLOR SCHED. - ELEVATIONS

1. CONCRETE TILT-UP PANEL PAINT BRAND SHERWIN-WILLIAMS SW7005 PURE WHITE
2. CONCRETE TILT-UP PANEL PAINT BRAND SHERWIN-WILLIAMS SW7071 GRAY SCREEN
3. CONCRETE TILT-UP PANEL PAINT BRAND SHERWIN-WILLIAMS SW7073 NETWORK GRAY
4. CONCRETE TILT-UP PANEL PAINT BRAND SHERWIN-WILLIAMS SW7075 WEB GRAY
5. CONCRETE TILT-UP PANEL CORRUGATED METAL WITH DARK GRAY
6. CONCRETE TILT-UP PANEL FORMLINER PAINTED IN SHERWIN -WILLIAMS SW7075 WEB GRAY
7. SPLIT LIMESTONE - BLACK FOREST CORONADO STONE
8. MULLIONS — COLOR CLEAR ANODIZED
9. GLAZING — COLOR BLUE REFLECTIVE GLAZING
10. METAL CANOPY — COLOR SW ACRYLIC LATEX SYSTEMS HIGH GLOSS /HIGH PERFORMANCE 7075 WEB GRAY

GLAZING LEGEND

- TEMPERED SPANDREL GLASS
- TEMPERED VISION GLASS
- TEMPERED VISION INSULATED GLASS PPG: VISTACOOL (2) PACIFICA + SOLARBAN SOLARBAN 60 (3) CLEAR U VALUE: 0.27, SHGC: 0.21 AND VLT: 26% 1" INSULATED GLASS WITH 1/2" AIRSPACE AND (2) 1/4" LITES.



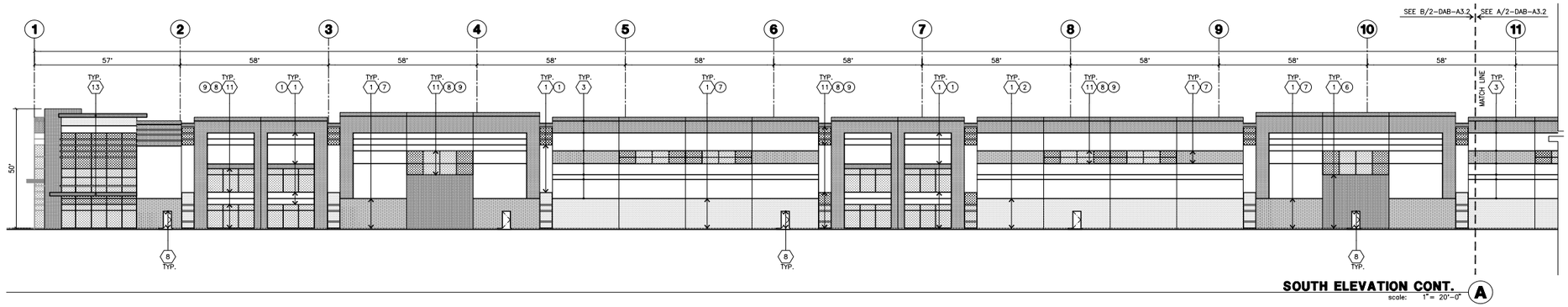
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Sources: First Industrial Realty Trust, Inc., HPA Architecture, Inc., and Thienes Engineering, Inc., Mar. 10, 2023.

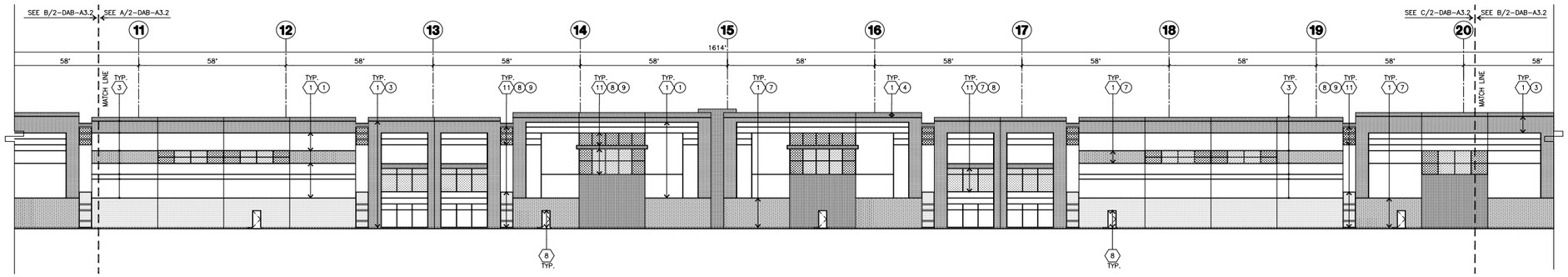
ALBERT A. WEBB ASSOCIATES

FIGURE 10-B

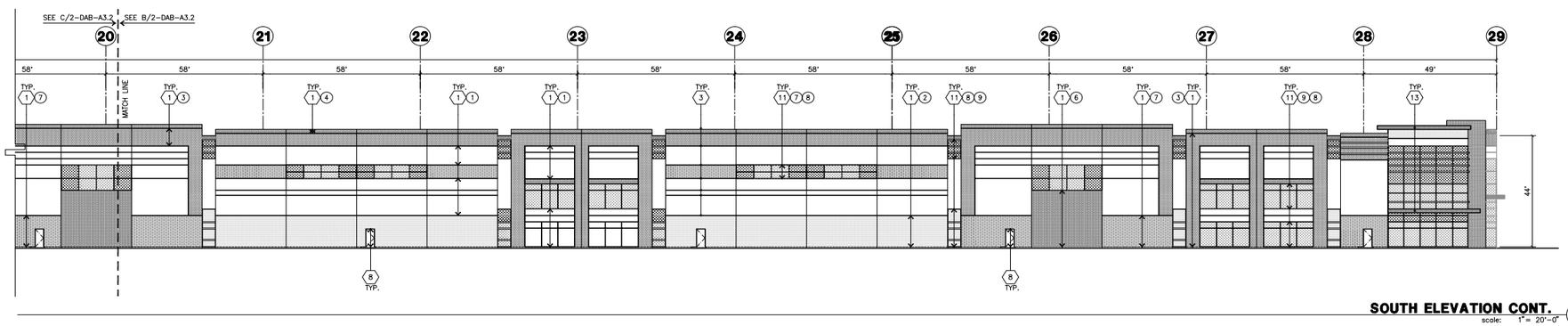
Building Elevations



SOUTH ELEVATION CONT. A
scale: 1"= 20'-0"



SOUTH ELEVATION CONT. B
scale: 1"= 20'-0"



SOUTH ELEVATION CONT. C
scale: 1"= 20'-0"

KEYNOTES - ELEVATIONS

1. CONCRETE TILT-UP PANEL(PAINTED). FINISH GRADE VARIES. SEE "C" DRAWINGS. WATERPROOF ALL WALLS WHERE GRADE IS HIGHER AND EXPOSED TO THE WEATHER ONE SIDE. WATERPROOFING TO BE PROTECTED WITH PROTECTION BOARD AND A MIN. OF 6" OF GRAVEL. PROVIDE TRENCH DRAIN AT BOTTOM AND DAYLIGHT TO CURB OR TAKE TO STORM DRAIN. NOT REQUIRED AT DOCK HIGH CONDITION OR AT RAMP WALLS.
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12. PARAPET RETURN
13. TUBE STEEL CANOPY
14. INTERIOR ROOF DRAIN WITH OVERFLOW DRAIN
15. INTERIOR ROOF DRAIN WITH OVERFLOW SCUPPERS
16. NOT USED

GENERAL NOTES - ELEVATIONS

A. ALL PAINT COLOR CHANGES TO OCCUR AT INSIDE CORNERS UNLESS NOTED OTHERWISE.
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K. THE FIRST COAT OF PAINT TO BE ROLLED-ON AND THE SECOND COAT TO BE SPRAYED-ON

COLOR SCHED. - ELEVATIONS

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8. MULLIONS COLOR CLEAR ANODIZED
9. GLAZING COLOR BLUE REFLECTIVE GLAZING
10. METAL CANOPY COLOR SW ACRYLIC LATEX SYSTEMS HIGH GLOSS /HIGH PERFORMANCE 7075 WEB GRAY

GLAZING LEGEND

- TEMPERED SPANDREL GLASS
- TEMPERED VISION GLASS
- TEMPERED VISION INSULATED GLASS PPG: VISTACOOL (2) PACIFICA + SOLARBAN SOLARBAN 60 (3) CLEAR U VALUE: 0.27, SHGC: 0.21 AND VLT: 26% 1" INSULATED GLASS WITH 1/2" AIRSPACE AND (2) 1/4" LITES.

NTS

Sources: First Industrial Realty Trust, Inc., HPA Architecture, Inc., and Thienes Engineering, Inc., Mar. 10, 2023.

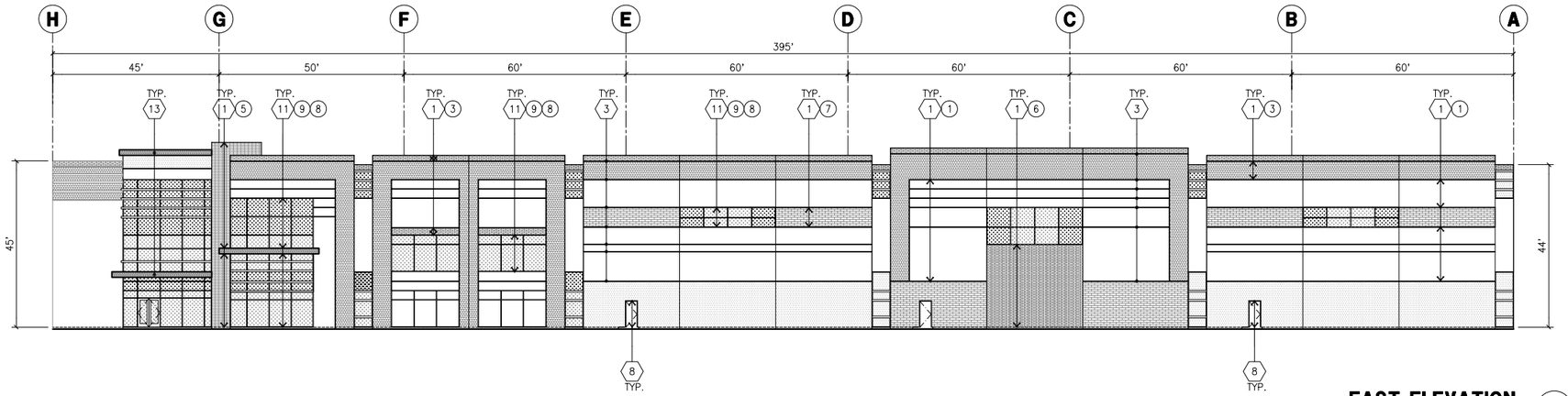
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ALBERT A. WEBB ASSOCIATES

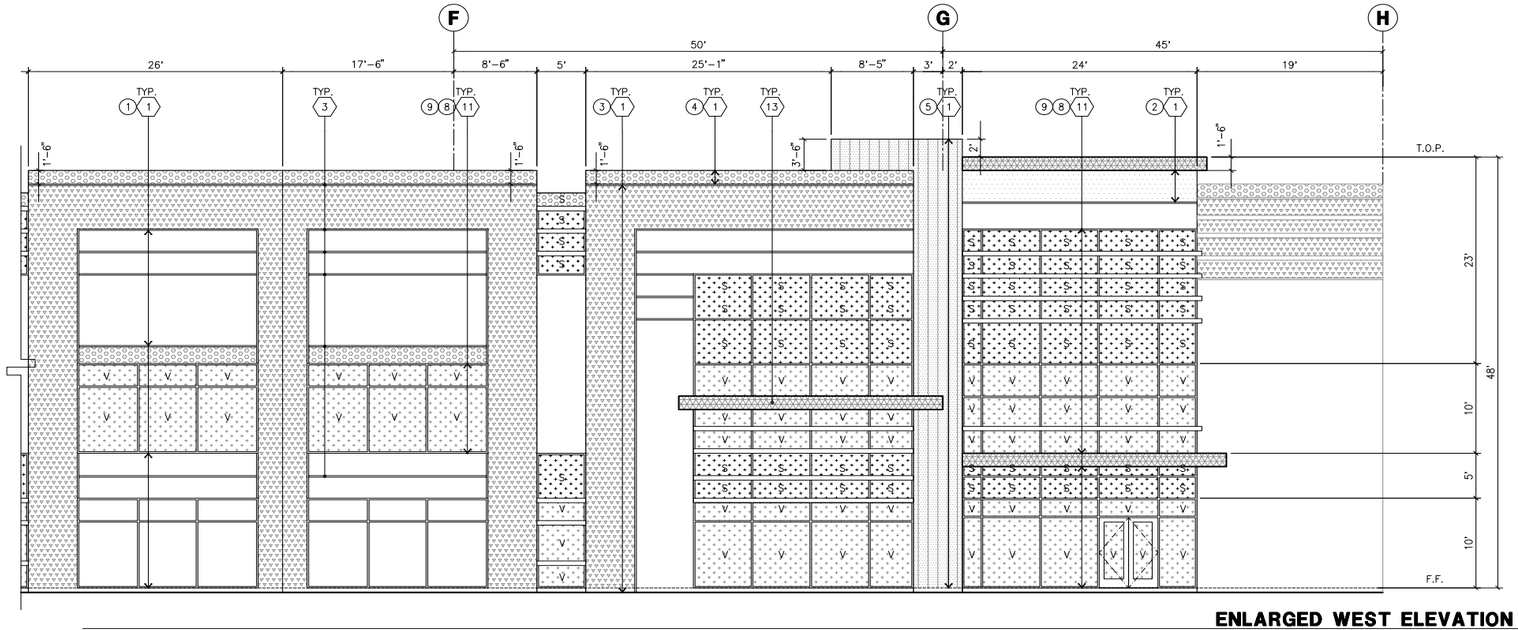
FIRST INDUSTRIAL LOGISTICS AT HARLEY KNOX AND INDIAN

FIGURE 10-C

Building Elevations



EAST ELEVATION (A)
scale: 1" = 20'-0"



ENLARGED WEST ELEVATION (B)
scale: 1/8" = 1'-0"

KEYNOTES - ELEVATIONS

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J. USE ADHESIVE BACK WOOD STRIPS FOR ALL REVEAL FORMS.
K. THE FIRST COAT OF PAINT TO BE ROLLED-ON AND THE SECOND COAT TO BE SPRAYED-ON

COLOR SCHED. - ELEVATIONS

1. CONCRETE TILT-UP PANEL PAINT BRAND SHERWIN-WILLIAMS SW7005 PURE WHITE
2. CONCRETE TILT-UP PANEL PAINT BRAND SHERWIN-WILLIAMS SW7071 GRAY SCREEN
3. CONCRETE TILT-UP PANEL PAINT BRAND SHERWIN-WILLIAMS SW7073 NETWORK GRAY
4. CONCRETE TILT-UP PANEL PAINT BRAND SHERWIN-WILLIAMS SW7075 WEB GRAY
5. CONCRETE TILT-UP PANEL CORRUGATED METAL WITH DARK GRAY
6. CONCRETE TILT-UP PANEL FORMLINER PAINTED IN SHERWIN -WILLIAMS SW7075 WEB GRAY
7. SPLIT LIMESTONE -- BLACK FOREST CORONADO STONE
8. MULLIONS — COLOR CLEAR ANODIZED
9. GLAZING — COLOR BLUE REFLECTIVE GLAZING
10. METAL CANOPY — COLOR SW ACRYLIC LATEX SYSTEMS HIGH GLOSS /HIGH PERFORMANCE 7075 WEB GRAY

GLAZING LEGEND

- TEMPERED SPANDREL GLASS
- TEMPERED VISION GLASS
- TEMPERED VISION INSULATED GLASS PPG: VISTACOOL (2) PACIFICA + SOLARBAN SOLARBAN 60 (3) CLEAR U VALUE: 0.27, SHGC: 0.21 AND VLT: 26% 1" INSULATED GLASS WITH 1/2" AIRSPACE AND (2) 1/4" LITES.

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Sources: First Industrial Realty Trust, Inc., HPA Architecture, Inc., and Thienes Engineering, Inc., Mar. 10, 2023.

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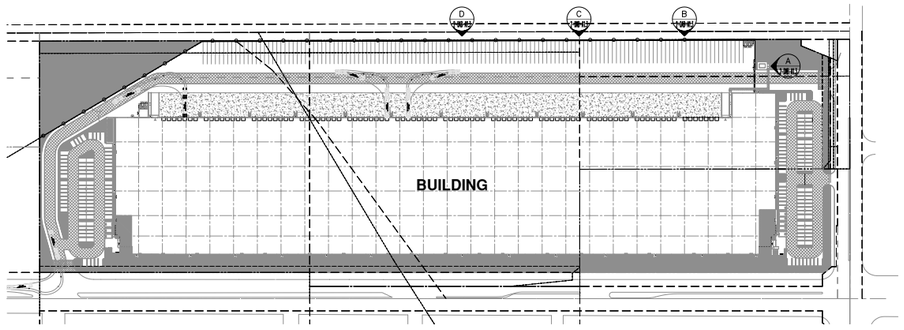
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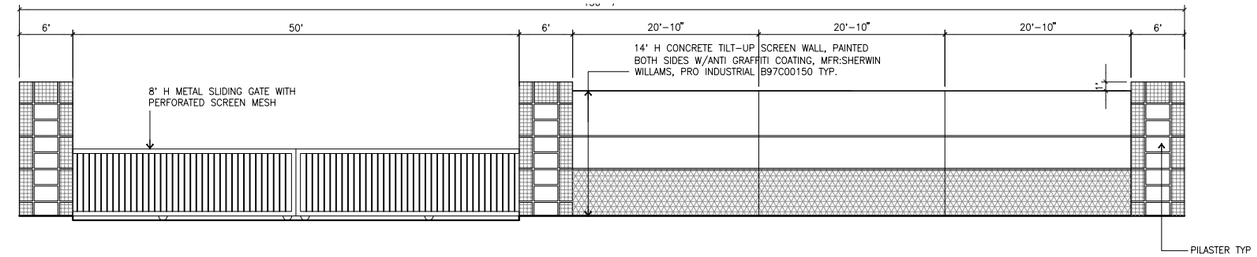
FIRST INDUSTRIAL LOGISTICS AT HARLEY KNOX AND INDIAN

FIGURE 11-A

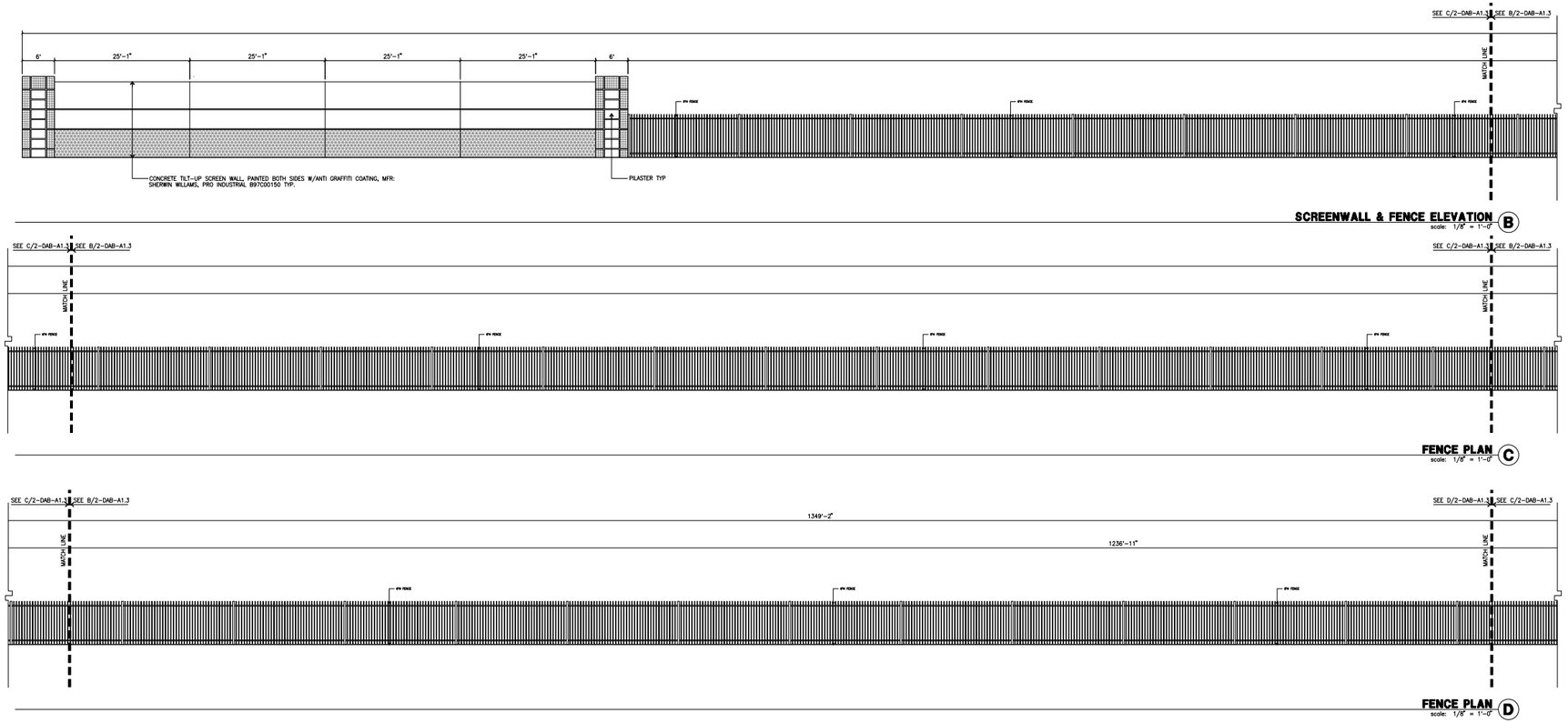
Screening Details

KEYMAP





SCREENWALL ELEVATION (A)
scale: 1/8" = 1'-0"



SCREENWALL & FENCE ELEVATION (B)
scale: 1/8" = 1'-0"

FENCE PLAN (C)
scale: 1/8" = 1'-0"

FENCE PLAN (D)
scale: 1/8" = 1'-0"

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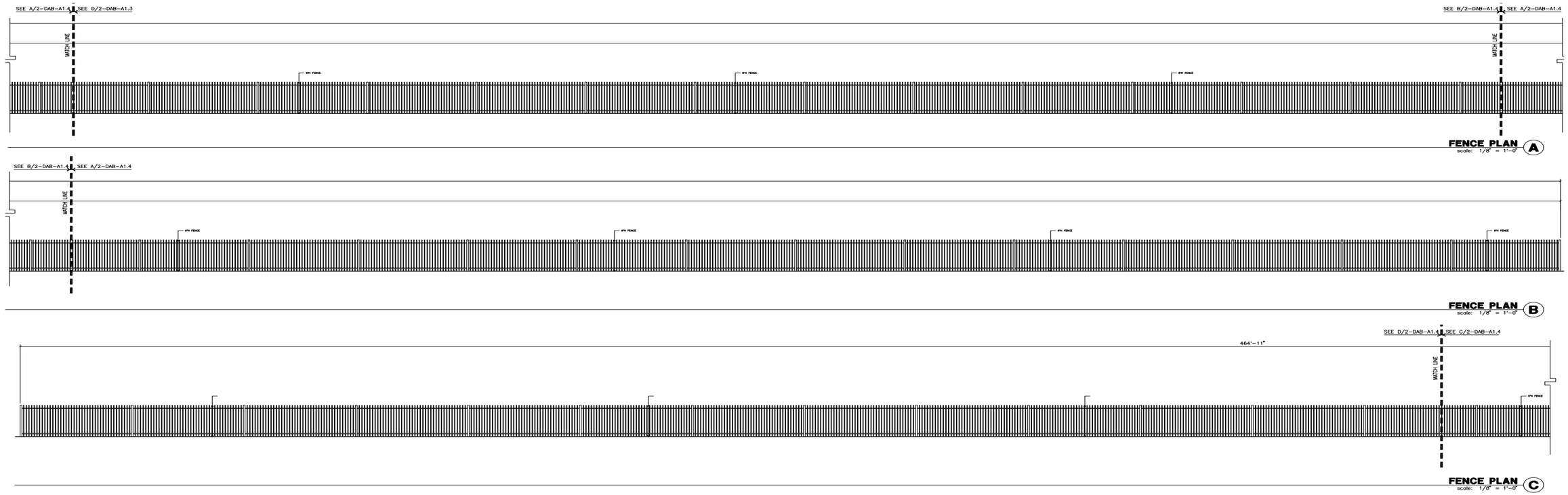
Sources: First Industrial Realty Trust, Inc., HPA Architecture, Inc., and Thienes Engineering, Inc., Mar. 10, 2023.

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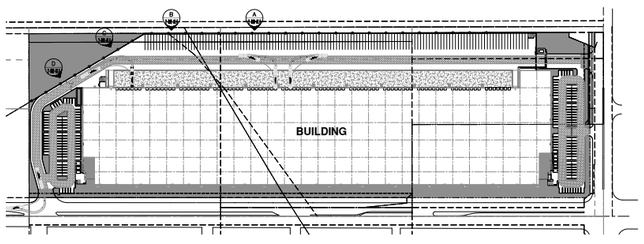
FIRST INDUSTRIAL LOGISTICS AT HARLEY KNOX AND INDIAN

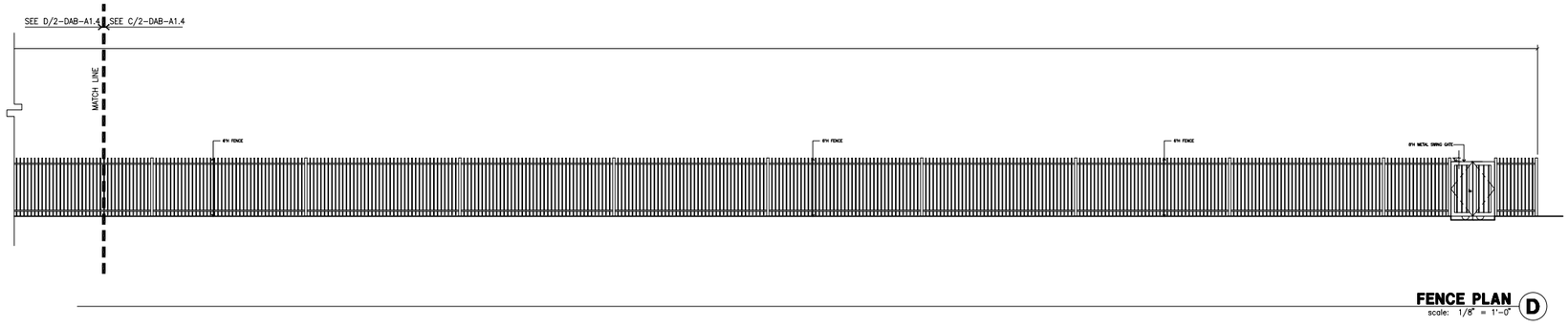
FIGURE 11-B

Screening Details



KEYMAP





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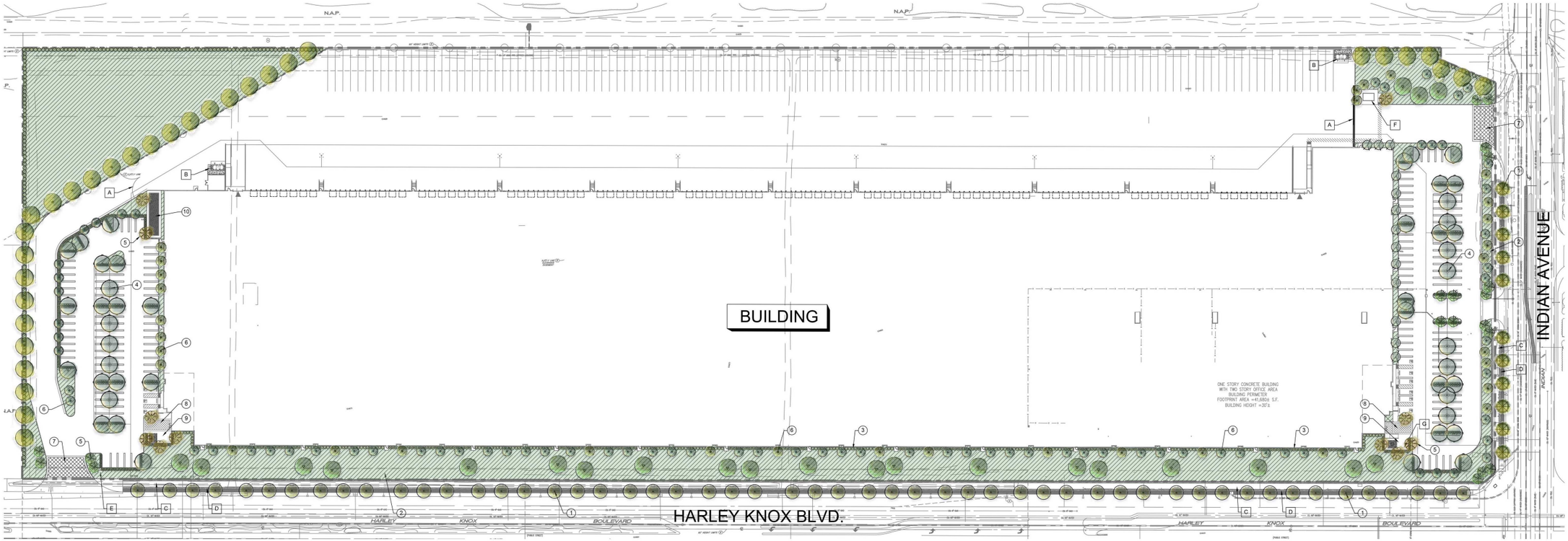
Sources: First Industrial Realty Trust, Inc., HPA Architecture, Inc., and Thienes Engineering, Inc., Mar. 10, 2023.

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FIGURE 12

Conceptual Landscape



PLANTING LEGEND

TREES			
SYMBOL	TREE NAME	QTY.	WUCOLS
	PROPOSED STREET TREE ALONG HARLEY KNOX BLVD. PLATANUS RACEMOSA, CALIFORNIA SYCAMORE 24" BOX SIZE. STANDARD TRUNK	53	M
	PROPOSED STREET TREE ALONG INDIAN AVE. QUERCUS AGRIFOLIA, COAST LIVE OAK 36" BOX SIZE. STANDARD TRUNK	11	L
	OLEA E. 'WILSONII', FRUITLESS OLIVE TREE 36" BOX SIZE. STANDARD TRUNK.	23	L
	PARKING LOT SCREEN TREE QUERCUS ILEX, HOLLY OAK 24" BOX SIZE. STANDARD TRUNK.	44	L
	VERTICAL TREE ALONG BUILDING PINUS ELDARICA, MONDELL PINE 24" BOX SIZE. STANDARD TRUNK.	34	L
	FLOWERING ACCENT TREE AT PROJECT ENTRY LAGERSTROEMIA I. 'WATERMELON RED', CRAPE MYRTLE 24" BOX SIZE. STANDARD TRUNK.	19	M
	FLOWERING ACCENT TREE AT BUILDING CERCIDIUM F. 'DESERT MUSEUM', BLUE PALO VERDE 24" BOX SIZE	11	L
	PARKING LOT SCREEN TREE QUERCUS VIRGINIANA, SOUTHERN LIVE OAK 24" BOX SIZE. STANDARD TRUNK.	32	M
	VERTICAL SCREEN TREE AT BUILDING TRISTANIA CONFERTA, BRISBANE BOX 24" BOX SIZE	13	M
	VERTICAL SCREEN TREE PINUS ELDARICA, MONDELL PINE 24" BOX SIZE	78	L

GROUND COVERS

SYMBOL	NAME	WUCOLS
	ROSMARINUS O. 'PROSTRATUS', CREEPING ROSEMARY 1 GAL. SIZE @ 30" O.C	L
	LANTANA CAMARA 'DWARF GOLD', DWARF LANTANA 1 GAL. SIZE @ 30" O.C.	L
	MUHLENBERGIA RIGENS, DEER GRASS 1 GAL. SIZE @ 42" O.C.	M
	SALVIA CLEVLANDII, CLEVLAND SAGE 5 GAL. SIZE @ 48" O.C.	L
	DIANELLA TASMANICA 'VARIEGATA', WHITE STRIPED TASMAN FLAX LILY 1 GAL. SIZE @ 24" O.C.	M
	LONICERA J. 'HALLIANA', HALL'S HONEYSUCKLE 1 GAL. SIZE @ 24" O.C.	L
	CARISSA MACROCARPA 'GREEN CARPET', NATAL PLUM 1 GAL. SIZE @ 30" O.C.	M
	SALVIA LEUCANTHA, MEXICAN BUSH SAGE 5 GAL. SIZE @ 42" O.C.	L
	AGAVE 'BLUE FLAME', BLUE FLAME AGAVE 5 GAL. SIZE @ 36" O.C.	L
	LEYMUS C. 'CANYON PRINCE', CANYON PRINCE WILD RYE 1 GAL. SIZE @ 36" O.C.	L
	DIETES BICOLOR, FORTNIGHT LILY 1 GAL. SIZE @ 24" O.C	M
	VERBENA 'DE LA MINA', DE LA MINA VERBENA 1 GAL. SIZE @ 24" O.C.	L

NOTE: APPLY A 3" MIN. LAYER OF MULCH TOP DRESSING WITHIN ALL PLANTING AREAS. A SAMPLE IS REQUIRED PRIOR TO APPLICATION.

SHRUBS - SHRUBS SHALL BE CHOSEN FROM THE FOLLOWING:

SYMBOL	NAME	WUCOLS
	DODONAEA V. 'PURPUREA', PURPLE HOPSEED BUSH 5 GAL. SIZE	L
	WESTRINGIA FRUTICOSA, COAST ROSEMARY 5 GAL. SIZE	L
	LIGUSTRUM TEXANUM, TEXAS PRIVET 5 GAL. SIZE	L
	LEUCOPHYLLUM FRUTESCENS, TEXAS RANGER 5 GAL. SIZE	L
	CALLISTEMON 'LITTLE JOHN', DWARF BOTTLE BRUSH 5 GAL. SIZE	L

DESIGN KEY NOTES:

1. STREET TREE PER PLANTING LEGEND.
2. TYP. LAYERED ACCENT PLANTING ALONG STREET FRONTAGE (LOW-GROWING).
3. FOUNDATION SHRUB ALONG BUILDING PER PLANTING LEGEND.
4. EVERGREEN PARKING LOT CANOPY TREE (LOW-LITTER TYPE).
5. FLOWERING ACCENT PLANT AT FOCAL AREAS PER PLANTING LEGEND.
6. VERTICAL SCREEN TREE PER PLANTING LEGEND.
7. ENHANCED VEHICULAR PAVING AT DRIVEWAY AREAS. INTEGRAL COLORED CONCRETE WITH MEDIUM ETCH FINISH.
8. ENHANCED ENTRY PAVING. INTEGRAL COLORED CONCRETE.
9. OUTDOOR SEATING AREA CONSISTING OF INTEGRAL COLOR CONCRETE AND SITE FURNITURE.
10. EMPLOYEE BREAK AREA WITH BALL COURT.

REFERENCE NOTES:

- A GATE PER ARCH. PLANS.
- B TRASH ENCLOSURE PER ARCH. PLANS.
- C ALL PURPOSE TRAIL PER CIVIL PLANS.
- D DECOMPOSED GRANITE.
- E SIGNAGE PER ARCH. PLANS.
- F GUARDHOUSE PER ARCH. PLANS.
- G BIKE RACK PER ARCH. PLANS.

CONCEPTUAL PLAN NOTE:

THIS IS A CONCEPTUAL LANDSCAPE PLAN. IT IS BASED ON PRELIMINARY INFORMATION WHICH IS NOT FULLY VERIFIED AND MAY BE INCOMPLETE. IT IS MEANT AS A COMPARATIVE AID IN EXAMINING ALTERNATE DEVELOPMENT STRATEGIES AND ANY QUANTITIES INDICATED ARE SUBJECT TO REVISION AS MORE RELIABLE INFORMATION BECOMES AVAILABLE.

IRRIGATION NOTE:

THE PROJECT WILL BE EQUIPPED WITH A LOW FLOW IRRIGATION SYSTEM CONSISTING OF ET WEATHER BASED SMART CONTROLLER, LOW FLOW ROTORS, BUBBLER AND/ OR DRIP SYSTEMS USED THROUGHOUT. THE IRRIGATION WATER EFFICIENCY WILL MEET OR SURPASS THE CURRENT STATED MANDATED AB-1881 WATER ORDINANCE.

GENERAL NOTES:

- ROCK RIP-RAP MATERIAL SHALL BE INSTALLED WHERE DRAIN LINES CONNECT TO INFILTRATION AREAS.
- ALL UTILITY EQUIPMENT SUCH AS BACKFLOW UNITS, FIRE DETECTOR CHECKS AND FIRE CHECK VALVES WILL BE SCREENED WITH EVERGREEN PLANT MATERIAL ONCE FINAL LOCATIONS HAVE BEEN DETERMINED.

LANDSCAPE DATA

TOTAL SITE AREA = 320,750 SQ. FT. (7.36 ACRES)
LANDSCAPE AREA REQUIRED = 11,298 SQ. FT. (15%)
LANDSCAPE AREA PROVIDED = 39,319 SQ. FT. (52.2%)

WUCOLS PLANT FACTOR

THIS PROJECT IS LOCATED IN 'WUCOLS' REGION '4-SOUTH INLAND VALLEY".

H = HIGH WATER NEEDS
M = MODERATE WATER NEEDS
L = LOW WATER NEEDS
VL= VERY LOW WATER NEEDS

NTS

Sources: First Industrial Realty Trust, Inc., HPA Architecture, and Thienes Engineering, Inc., Mar. 20, 2023

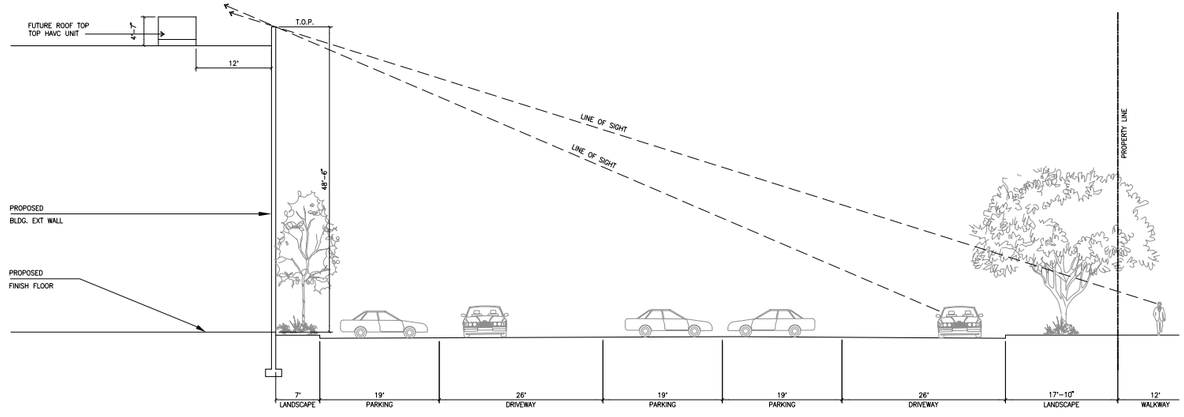
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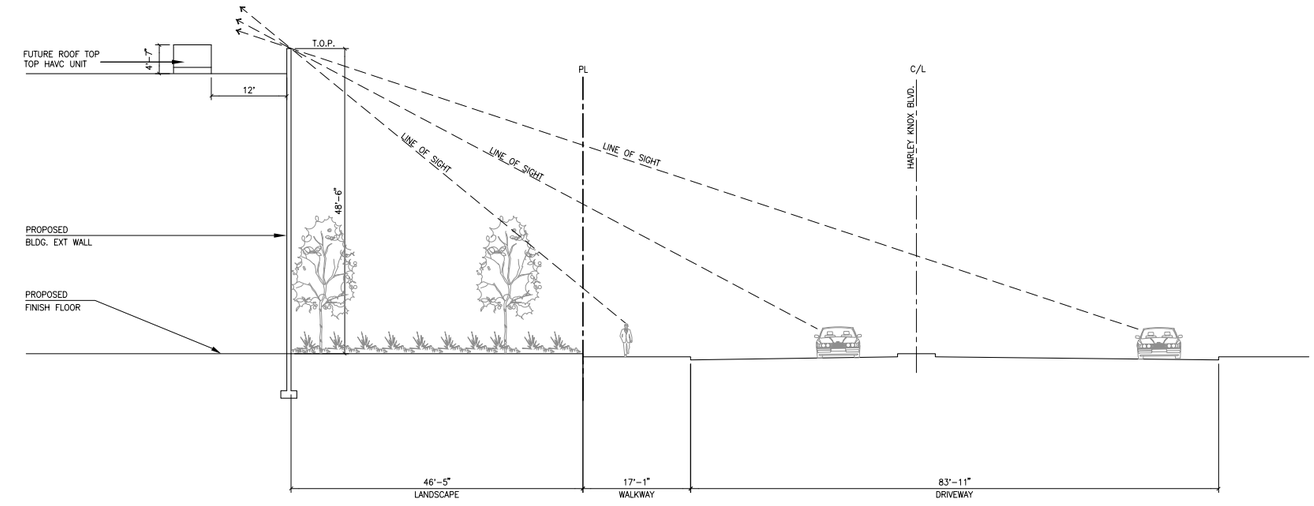
FIGURE 13

FIRST INDUSTRAL LOGISTICS AT HARLEY KNOX AND INDIAN

Line of Sight



SITE SECTION STUDY A
scale: 1" = 10'-0"



SITE SECTION STUDY B
scale: 1" = 10'-0"

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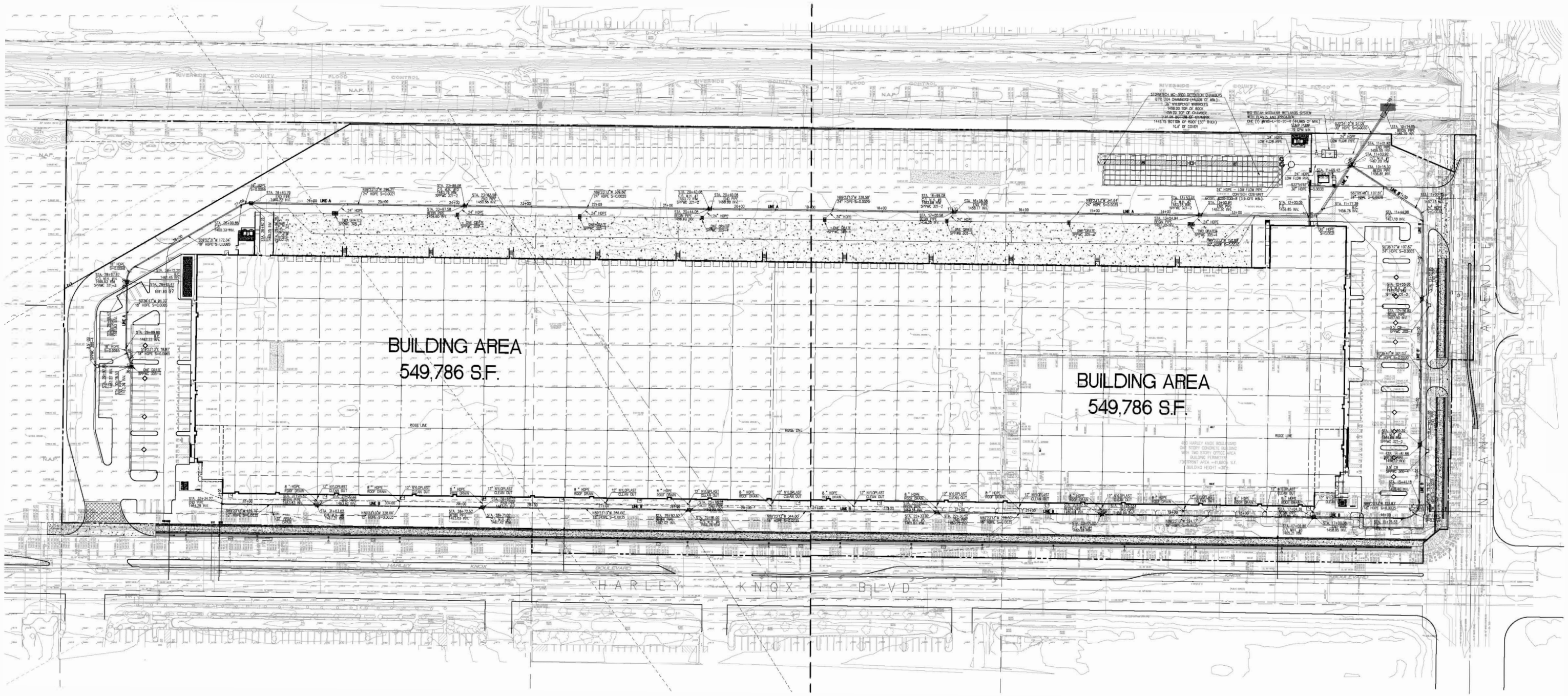
Sources: First Industrial Realty Trust, Inc., HPA Architecture, and Thienes Engineering, Inc., Mar. 20, 2023

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ALBERT A. WEBB ASSOCIATES

FIGURE 14

Existing and Proposed Utilities



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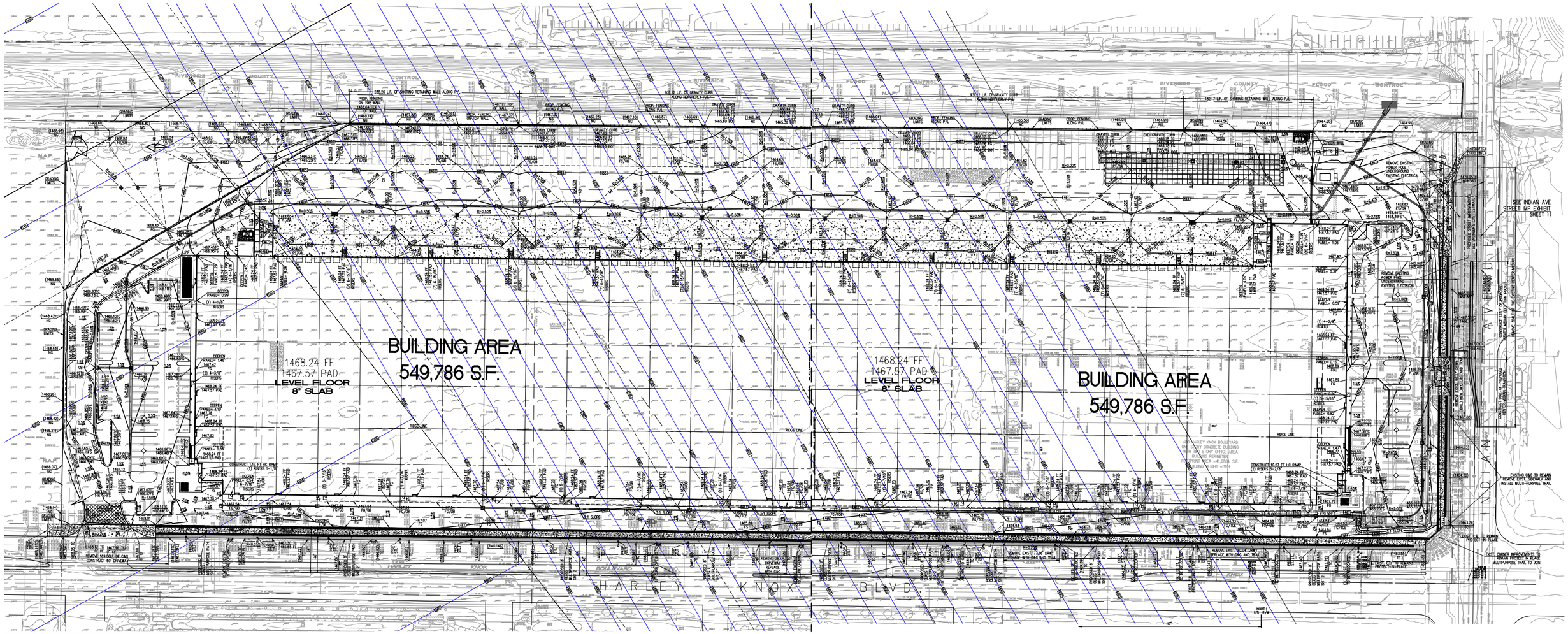
Sources: First Industrial Realty Trust, Inc., and Thienes Engineering, Inc., May 5, 2022.

ALBERT A. WEBB ASSOCIATES

FIRST INDUSTRIAL LOGISTICS AT HARLEY KNOX AND INDIAN

FIGURE 15

Grading Plan



3/16/2023

EARTHWORK BALANCE CALCULATIONS

PROJECT: First Industrial Harley Knox
JOB# 4066 - Option A

K.	SITE AREA:	1,089,873	SF
L.	SUBSIDENCE FACTOR:	0.13	FT
M.	SHRINKAGE FACTOR:	10.0	%
N.	SITE STRIPPING FACTOR:	0.04	
O.	OVEREXCAVATION:	94,550	CY
A.	CALCULATED CUT:	37,898	CY
B.	FOOTING AND ONSITE UTILITY SPOILS	7,837	CY
Ba	OFFSITE SPOILS (STREET AND UTILITIES)	-	
C.	**TOTAL CUT: (A+B)**	45,735	CY
D.	CALCULATED FILL:	24,958	CY
E.	LIGHT PAVING FILL:	-	CY
F.	SUBSIDENCE: (L*K)/27=	5,069	CY
G.	SHRINKAGE: (M/100)C=	4,594	CY
H.	SITE STRIPPING	1,615	
I.	OVEREXCAVATION SHRINKAGE	9,488	CY
J.	**TOTAL FILL: (D+E+F+G+H)=**	45,735	CY
Q.	**TOTAL (IMPORT) OR EXPORT:**	(0)	CY
	SITE ADJUSTMENT	(0.00)	

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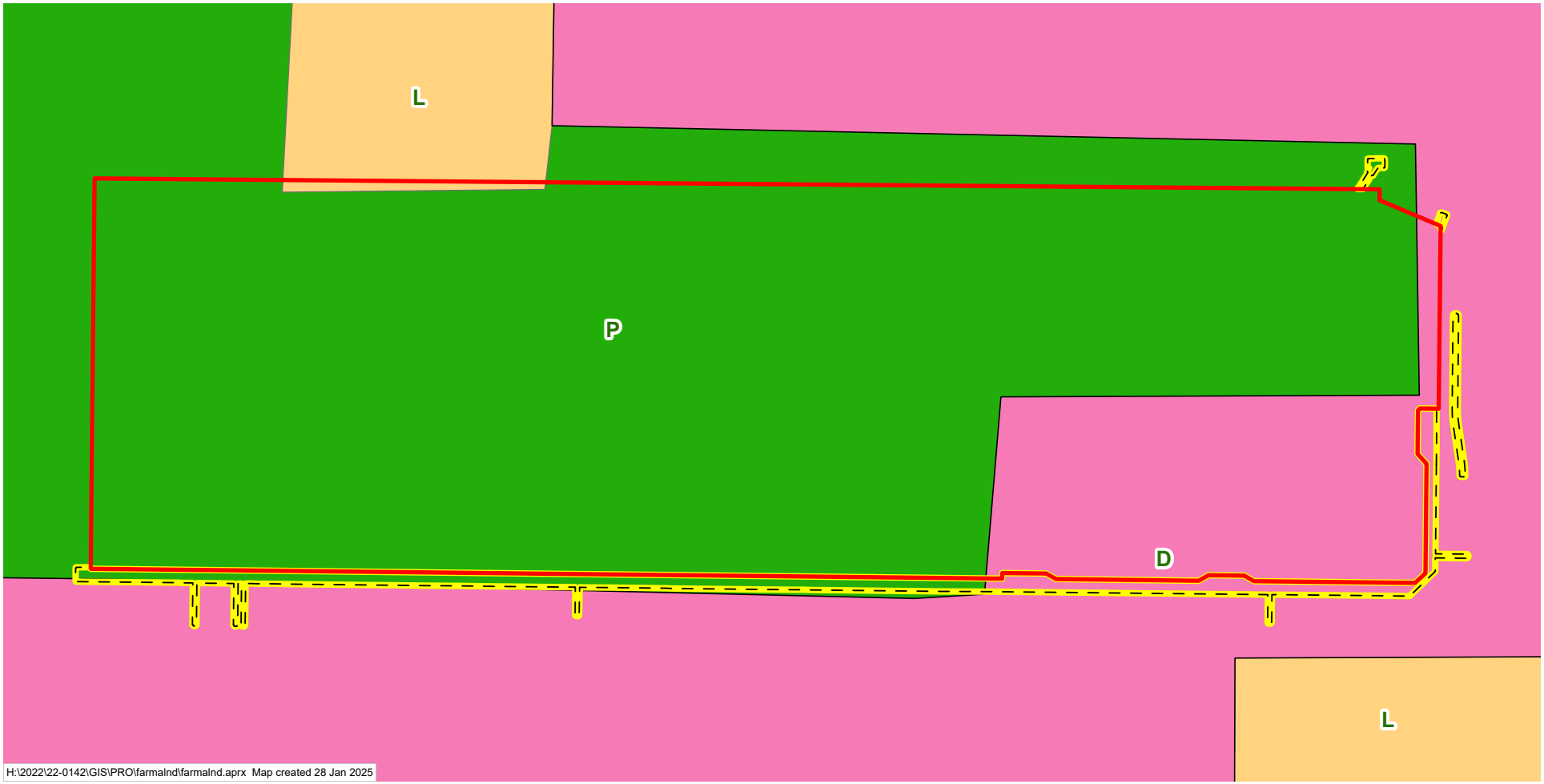
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Sources: First Industrial Realty Trust, Inc., HPA Architecture, and Thienes Engineering, Inc., Mar. 20, 2023

ALBERT A. WEBB ASSOCIATES

FIGURE 16

Farmland Map



LEGEND

- Project Boundary
- Offsite Disturbance Footprint

Designations

- P - Prime Farmland
- L - Farmland of Local Importance
- D - Urban and Built Up Land

0 115 230 Feet

Sources: California Department of Conservation, Farmland Mapping and Monitoring Program, 2020.

ALBERT A. WEBB ASSOCIATES

5.0 ENVIRONMENTAL ANALYSIS AND DETERMINATION

In accordance with CEQA, this Initial Study has been prepared to analyze and determine any potential significant impacts upon the environment that would result from construction and implementation of the proposed Project. In accordance with CEQA Guidelines Section 15063, this Initial Study is a preliminary analysis prepared by the Lead Agency in consultation with other jurisdictional agencies, to determine whether a Negative Declaration, Mitigated Negative Declaration, or an Environmental Impact Report is required for the proposed Project. The purpose of this Initial Study is to inform the decision-makers, affected agencies, and the public of potential environmental impacts associated with the implementation of the proposed Project.

5.1 Evaluation of Environmental Impacts

A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question.

1) All answers must take account of the whole action involved, including offsite as well as onsite, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
2) A "No Impact" answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project would not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more "Potentially Significant Impact" entries when the determination is made, an EIR is required.
4) "Negative Declaration: Potentially Significant Unless Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less Significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from "Earlier Analysis," as described in (5) below, may be cross referenced).
5) Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Guidelines Section 15063 l(3)(d). In this case, a brief discussion should identify the following:
    (a) Earlier Analysis Used. Identify and state where they are available for review.
    (b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
    (c) Mitigation Measures. For effects that are "Less than Significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site specific conditions for the project.

6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g., general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
9) The analysis of each issue should identify:
    (a) the significance criteria or threshold used to evaluate each question; and
    (b) the mitigation measure identified, if any, to reduce the impact to less than significance

5.2 Environmental Factors Potentially Affected

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

☐ Aesthetics	☒ Greenhouse Gas Emission	☐ Public Services
☒ Agriculture and Forestry Resources	☐ Hazards/Hazardous Materials	☐ Recreation
☒ Air Quality	☐ Hydrology and Water Quality	☒ Transportation
☐ Biological Resources	☒ Land Use and Planning	☐ Tribal Cultural Resources
☐ Cultural Resources	☐ Mineral Resources	☐ Utilities and Service Systems
☒ Energy	☒ Noise	☐ Wildfire
☐ Geology and Soils	☐ Population and Housing	☒ Mandatory Findings of Significance

5.3 Determination

On the basis of this initial evaluation:

☐ I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION would be prepared.

☐ I find that although the proposed project could have a significant effect on the environment, there would not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION would be prepared.

☒ I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ I find that the proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Mathew Evans	May 20, 2025
Signature of Lead Agency Representative	Date
Mathew Evans, Project Planner	City of Perris
Printed Name	Agency

6.0 INITIAL STUDY

This section contains the Environmental Checklist Form for the proposed Project. The Environmental Checklist is marked with findings as to the environmental effects of the Project. An "X" in column 1 requires preparation of additional environmental analysis in the form of an EIR.

This analysis has been undertaken, pursuant to the provisions of CEQA, to provide the City of Perris with the factual basis for determining, based on the information available, the form of environmental documentation the Project warrants. The basis for each of the findings listed in the attached Environmental Checklist is explained in the Explanation of Checklist Responses following the checklist.

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

References: CAL-A, DOF-A, DOF-B, GP EIR, PMC

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

The PVCCSP includes Standards and Guidelines relevant to aesthetics/visual character and lighting. These Standards and Guidelines summarized below are incorporated as part of the proposed Project and are assumed in the analysis presented in this section. The chapters/section numbers provided correspond to the PVCCSP chapters/sections. There are no mitigation measures for aesthetics included in the PVCCSP EIR, although PVCCSP EIR mitigation measures **MM Haz 3** and **MM Haz 5**, which are listed in *Section 6.9*, address potential impacts associated with lighting at the Project site.

On-Site Design Standards and Guidelines (from Chapter 4.0 of the PVCCSP)

4.1 Perris Valley Commerce Center On-Site Development Standards

In order to ensure the orderly, consistent, and sensible development of the Perris Valley Commerce Center Specific Plan, land use standards and design criteria have been created for each land use category. A summary of the standards for Industrial projects within the Specific Plan area is provided below.

4.2 On-Site Standards and Guidelines

4.2.1 General On-Site Project Development Standards and Guidelines

- Uses and Standards Shall Be Developed In Accordance with the Specific Plan.
- Uses and Standards Shall Be Developed In Accordance With City of Perris Codes.
- Development Shall Be Consistent with the Perris Valley Commerce Center Specific Plan.
- No Changes to Development Procedures Except as Outlined in the Specific Plan.
- Residential Buffer.
- Visual Overlay Zones.

4.2.3 Architecture

- 4.2.3.1 Scale, Massing and Building Relief: Scaling in Relationship to Neighboring Structures; Variation in Plane and Form; Project Identity; Do Not Rely on Landscaping; Distinct Visual Link; Break Up Tall Structures; Avoid Monotony; Avoid Long, Monotonous and Unbroken Building Facades; Provide Vertical or Horizontal Offsets; and Fenestration.
- 4.2.3.2 Architectural Elevations and Details: Primary Building Entries; Elements of a Building; Large Sites with Multiple Buildings; Discernible Base, Body and Cap; Visual Relief; and Building Relief.
- 4.2.3.3 Roofs and Parapets: Integral Part of the Building Design; Overall Mass; Varied Roof Lines; Form and Materials; Avoid Monotony; Variation in Parapet Height; Flat Roof and Parapets; and Conceal Roof Mounted Equipment.
- 4.2.3.5 Color and Materials: Facades; Building Trim and Accent Areas; Metal Siding; and High Quality Natural Materials.

4.2.4. Lighting

- 4.2.4.1 General Lighting: Safety and Security; Lighting Fixtures Shield; Foot-candle Requirements Sidewalks/Building Entrances; and Outdoor Lighting.
- 4.2.4.2 Decorative Lighting Standards: Decorative Lights; Complimentary Lighting Fixtures; Monumentation Lighting; Compatible with Architecture; Up-Lighting; Down- Lighting; Accent Lighting; and High Intensity Lighting.
- 4.2.4.3 Parking Lot Lighting: Parking Lot Lighting Required; Foot-candle Requirements Parking Lot; Avoid Conflict with Tree Planting Locations; Pole Footings; and Front of Buildings and Along Main Drive Aisle.

4.2.5 Signage Program

- 4.2.5.1 Sign Program: Multiple Buildings and/or Tenants; Major Roadway Zones/Freeway Corridor; Location; Monument Signs; Address Identification Signage; Neon Signage; and Prohibited Signs.

4.2.6 Walls/Fences

- Specific Purpose.
- Materials.
- Avoid Long Expanses of Monotone Fence/Wall Surfaces.
- Most Walls Not Permitted within Street Side Landscaping Setback.
- Height.

- Gates Visible From Public Areas.
- Prohibited Materials.

4.2.8 Residential Buffer Development Standards and Guidelines

- Direct Lighting Away from Residential.
- Screening.
- Other Restrictions May be Required Based on Actual Use.

4.2.9 Visual Overlay Zone Development Standards and Guidelines

- 4.2.9.2 Major Roadway Visual Zones: Quality Architectural Presence; Full Building Articulation and Enhancement; Integrated Screenwall Designs; Enhanced Landscape Setback Areas; Enhanced Entry Treatment; Entry Point; Screening, Loading and Service Areas; Limit or Eliminate Landscaping Along Side or Rear Setbacks; Uplight Trees and Other Landscape; Landscaped Accent Along Building Foundation; Heavily Landscape Parking Lot; and Limited Parking Fields.

Landscape Standards and Guidelines (from Chapter 6.0 of the PVCCSP)

6.1 On-Site Landscape General Requirements

- Unspecified Uses.
- Perimeter Landscape.
- Street Entries.
- Main Entries, Plaza, Courtyards.
- Maintenance Intensive/Litter Producing Trees Discouraged.
- Avoid Interference with Project Lighting/Utilities/Emergency Apparatus.
- Scale of Landscape.
- Planters and Pots.

6.1.1 On-Site Landscape Screening

- Plant Screening Maturity.
- Screen wall Planting.
- Trash Enclosures.

6.1.2 Landscape in Parking Lots

- Minimum 50% Shade Coverage.
- Planter Islands.
- Parking Lot Screening.
- One Tree per Six Parking Spaces.
- Concrete Curbs, Mow Strips or Combination.
- Planter Rows Between Opposing Parking Stalls or Diamond Planters.
- Pedestrian Linkages.

6.1.3 On-Site Plant Palette

Industrial Design Standards and Guidelines (from Chapter 8.0 of the PVCCSP)

8.2 Industrial Development Standards and Guidelines

8.2.1 Industrial Site Layout

- 8.2.1.1 Orientation/Placement: Industrial Operations.
- 8.2.1.4 Employee Break Areas and Amenities: Outdoor Break Areas.
- 8.2.1.5 Screening: Truck Courts.

8.2.2 Landscape

- No Landscape in Screened Truck Courts.

Explanation of Checklist Answers

a) **Less than significant impact.** Scenic vistas are defined as the view of an area that is visually or aesthetically pleasing. Development projects may potentially impact scenic vistas in two ways: 1) directly diminishing the scenic quality of the vista, or 2) by blocking the view corridors or "vistas" of scenic resources. The proposed Project site is located within the Perris Valley and the terrain is generally flat. Virtually all building construction consistent with land use development standards would obstruct views of the foothills from at least some vantage points (GP EIR, p. VI-2). However, the east-west and north-south oriented roadway network and streetscapes, frame and preserve scenic vistas from public rights of way to the distant horizons and foothills. View corridors extend for miles along current and planned roadways and preserve scenic vistas from the broad basin to the surrounding foothills. (GP EIR, p. VI-2).

As shown on **Figure 2** above, the proposed Project site is vacant and undeveloped. The southeast portion of the Project site had an industrial building and associated parking and landscape that was demolished in September 2023. The Project site itself is not a scenic vista, nor does it currently block or diminish a scenic vista. Furthermore, as discussed above, the surrounding roadway network has been established and therefore is preserving the view corridors. Thus, implementation of the Project would not have a substantial adverse effect on a scenic vista. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

b) **No impact.** The closest eligible highway is State Route (SR) 74 which is located approximately 6.0 miles west of the Project site (CAL-A). Once SR-74 reaches the San Jacinto Mountains, SR-74 becomes an officially designated State Scenic Highway in conjunction with SR-243; however, this segment of SR-74 and SR-243 is located approximately 20 miles southeast of the Project site. Additionally, the PVCCSP EIR identified no specific scenic resources such as trees, rock outcroppings, or unique features within the PVCC area. Since the Project site is not located within view of a State Scenic Highway, construction and operation of the proposed Project would not substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway. **No impact** would occur**.** No further analysis of this issue is required.

c) **Less than significant impact.** CEQA Section 21071(a) defines an incorporated city as being an urbanized area if it meets either of the following criteria:

- Has a population of at least 100,000 persons; or
- Has a population of less than 100,000 persons if the population of that city and not more than two contiguous incorporated cities combined equals at least 100,000 persons.

In 2022, the City's population was approximately 80,263 residents. (DOF-A.) The adjoining City of Moreno Valley has an estimated population of 211,924. (DOF-B.) Between the two cities, the population is over 100,000 so the Project site is located within an urbanized area.

Because the Project site is located within an urbanized area, the threshold for analysis is "would the Project conflict with applicable zoning and other regulations governing scenic quality." The proposed Project has been designed according to the Standards and Guidelines set forth in the PVCCSP to address visual character, including but not limited to: Chapter 4.0, On-site Design Standards and Guidelines; Chapter 6.0, Landscape Standards and Guidelines; Chapter 8.0, Industrial Design Standards and Guidelines. Further, existing land uses surrounding the proposed Project site include a mixture of industrial buildings (warehouses), vacant land, and auto auction uses.

Because design, construction, and operation of the proposed Project would not conflict with applicable zoning and other regulations governing scenic quality, potential impacts in this regard would be **less than significant.** No further analysis of this issue is required.

d) **Less than significant with mitigation incorporated.** Light pollution may result due to introduction of new artificial light sources. The International Dark-Sky Association defines light pollution as any adverse effect of artificial light including sky glow, glare, light trespass, light clutter, decreased visibility at night and energy waste. (IDA.) Night lighting and glare can affect human vision, navigation, and other activities; however, it can also affect nocturnal wildlife particularly night-hunting or foraging animals, such as owls, rodents, and others. Glare which refers to reflected sunlight or artificial light that interferes with vision or navigation, may also arise from new development; for example, from the use of reflective materials on building exteriors.

Windows are the main source of glare complaints on buildings. The proposed warehouse building would not introduce substantial new daytime glare to the area because once constructed, the proposed warehouse structure would consist of a concrete tilt-up building with few windows which would be as non-reflective as possible to allow for interior natural light. Most of the windows would be placed in the two office areas as shown on Figure 9 – Elevations.

When completed and operational, the proposed Project would add additional exterior building lights and exterior lighting for safety and security purposes within parking lots, along pathways and on buildings. Additionally, the proposed Project site is located within Zone B of Riverside County Ordinance 655 (County Of Riverside Ord. 655), or within a 45-mile radius of the Mt. Palomar Observatory requiring low pressure sodium lights under 4050 lumens. All light sources would be shielded so that the light is directed away from streets and adjoining properties as required by City of Perris Municipal Code Section 19.020.110. (PMC.) Because the Project site is located within Zone B of the Mt. Palomar Observatory, Project lighting would be required to comply with County of Riverside Ordinance 655.

During Project construction, nighttime lighting may be used within the construction staging areas to provide security for construction equipment. Due to the distance between the construction area and the adjacent existing residences and motorists on adjacent roadways, such security lights may result in glare to residents and motorists. However, this potential impact would be reduced to a less than significant level with implementation of Project-specific mitigation measure **MM AES 1**.

> **MM AES 1**: Prior to issuance of grading permits, the Project developer shall provide evidence to the City that any temporary nighttime lighting installed for security purposes shall be downward facing and hooded or shielded to prevent security light spillage outside of the staging area or direct broadcast of security light into the sky.

For the reasons set forth in the preceding paragraphs, the Project would not create new sources of light or glare that would adversely affect day or nighttime views in the area. Therefore, potential impacts would be **less than significant with mitigation incorporated**. No further analysis of this issue is required.

6.2 Agriculture and Forestry Resources	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?	☒	☐	☐	☐
b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?	☐	☐	☐	☒
c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?	☐	☐	☐	☒
d) Result in the loss of forest land or conversion of forest land to non-forest use?	☐	☐	☐	☒
e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?	☐	☐	☐	☒

References: FMMP, GE, GP CE, GP EIR, PVCCSP EIR

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no Standards and Guidelines or mitigation measures related to agriculture and forestry resources included in the PVCCSP or its associated PVCCSP EIR.

Explanation of Checklist Answers

a) **Potentially significant impact.** As shown on **Figure 16 – Farmland Map,** the proposed Project site contains approximately 21.1 acres of Prime Farmland, 0.1 acre of Farmland of Local Importance, and 4.0 acres of Urban and Built-Up Land. Implementation of the proposed Project would result in the conversion of approximately 21.1 acres of Farmland (Prime Farmland) to a non-agricultural use. Therefore, the Project may result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

b) **No impact.** The City's 1991 General Plan eliminated the agricultural land use designation from within City boundaries. Therefore, there are no agricultural zones identified by the City and the proposed Project site is not covered under a Williamson Act Contract (GP EIR, p. VI-3). The proposed Project site is zoned PVCCSP with a PVCCSP land use designation of GI. Therefore, implementation of the proposed Project would not conflict with an existing zoned agricultural

use or a Williamson Act Contract. Thus, the Project would not create a conflict with existing agricultural zoning for agricultural use or a Williamson Act contract. Therefore, **no impact** would occur. No further analysis of this issue is required.

c) **No impact.** The PVCCSP zoning designation for the Project site is General Industrial (GI). There is no existing or proposed zoning for forest land, timber land, or Timberland Production Zones within the City of Perris. (GP CE pp. 3-4). Accordingly, there is no commercial forestry or timber production industry within the City. Implementation of the proposed Project would not impact forestland or timberland as defined by Public Resources Code section 4526, or a Timberland Production Zone as defined by Government Code section 51104(g); therefore, **no impact** would occur. No further analysis of this issue is required.

d) **No impact.** As discussed in the above response, there is no land zoned forest land within the City of Perris. Therefore, implementation of the proposed Project would not impact land zoned for forest land and would not result in the conversion of forest land to non-forest uses. **No impact** would occur. No further analysis of this issue is required.

e) **No impact.** The Project site is vacant and no agricultural production occurs at the site or in the immediate Project site vicinity (GE). Thus, the Project would not result in changes in the existing environment that could result in conversion of farmland to non-agricultural use or conversion of forestland to non-forest use. Therefore, **no impact** would occur. No further analysis of this issue is required.

6.3 Air Quality	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☒	☐	☐	☐
b) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard?	☒	☐	☐	☐
c) Expose sensitive receptors to substantial pollutant concentrations)?	☒	☐	☐	☐
d) Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?	☒	☐	☐	☐

References: CARB-A, CARB-B, AQMD-A, AQMD-B, AQMD-C

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

The PVCCSP Standards and Guidelines relevant to the analysis of air quality impacts presented in this Initial Study and summarized below are incorporated as part of the proposed Project; as such, they are assumed in the analysis presented in this section.

Residential Buffer Development Standards and Guidelines (Section 4.2.8)

- 50-foot setback. A 50-foot setback is required for commercial, industrial, and business professional office developments immediately abutting existing residential property lines.

The proposed Project would be required to adhere to PVCCSP EIR mitigation measures **MM Air 1** through **MM Air 11**, **MM Air 13** through **MM Air 15**, and **MM Air 18** through **MM Air 21**.

Explanation of Checklist Answers

a) **Potentially significant impact.** The City of Perris is located within the South Coast Air Basin. The South Coast Air Quality Management District (AQMD) is responsible for comprehensive air pollution control within the South Coast Air Basin and prepares the Air Quality Management Plan (AQMP) for the South Coast Air Basin. The AQMP sets forth a comprehensive program that would lead the South Coast Air Basin into compliance with all federal and state air quality standards. The AQMP's control measures and related emission reduction estimates are based upon emissions projections for a future development scenario derived from land use, population, and employment characteristics defined in consultation with the Southern California Association of Governments (SCAG) and local governments. (AQMD-A.) Accordingly, if a project demonstrates compliance with local land use plans and/or population projections, then the AQMP would have taken into account such uses when it was developed. Inconsistency of the

proposed Project with the current AQMP for the South Coast Air Basin may result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

b) **Potentially significant impact.** The portion of the South Coast Air Basin within which the proposed Project site is located is designated as a non-attainment area for particulate matter less than 10 microns in diameter (PM-10) under state standards, and for ozone and particulate matter less than 2.5 microns in diameter (PM-2.5) under both state and federal standards. (CARB-A.) The South Coast AQMD considers the thresholds for project-specific impacts and cumulative impacts to be the same (AQMD-B.) Hence, projects that exceed project-specific significance thresholds are considered by the South Coast AQMD to be cumulatively considerable.

Air quality impacts can be described in short-term and long-term perspectives. Short-term impacts occur during site preparation and Project construction, whereas long-term impacts are associated with Project operation. The Project's short-term and long-term emissions would be evaluated using the latest industry standard air quality modeling software and analyzed for compliance with South Coast AQMD regional significance thresholds.

The Project may result in a cumulatively considerable net increase of any criteria pollutant for which the Project region is non-attainment under an applicable federal or state ambient air quality standard. Therefore, the Project may result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

c) **Potentially significant impact.** Air Quality impacts to sensitive receptors can be analyzed via Localized Significance Thresholds (LST) analysis, which is recommended, but not required, by AQMD. LSTs are applicable to nitrogen oxides (NO_X), carbon monoxide (CO), particulate matter less than 10 microns (PM-10), as well as particulate matter less than 2.5 microns (PM-2.5) and represent the maximum emissions from a project that are not expected to cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard on sensitive receptors. (AQMD-D, pp. 1-1, 1-2.) Sensitive receptors include residential uses, school playgrounds, childcare facilities, athletic facilities, hospitals, retirement homes, and convalescent homes. (AQMD-C.) Development of the Project site may have the potential to expose nearby sensitive receptors to substantial pollutant concentrations. Therefore, the Project may result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

d) **Potentially significant impact.** The proposed Project presents the potential to result in other emissions, such as those leading to odors in the form of diesel exhaust during construction in the immediate vicinity of the proposed Project site. Therefore, the Project may result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

6.4 Biological Resources	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☒	☐	☐
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
c) Have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☒	☐
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	☐	☒	☐	☐
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	☐	☐	☒	☐
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	☐	☒	☐	☐

References: BCG-A. BCG-B, GP, ORD 1123, PVCCSP EIR, RCA, SKR HCP

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no PVCCSP Standards and Guidelines applicable to the analysis of biological resources for the proposed Project.

Developments within the PVCC area are subject to PVCCSP EIR mitigation measures **MM Bio 1** through **MM Bio 6**. A *Biological Assessment Letter Report for the First Harley Knox II (7 Parcel) Development Project,* dated April 4 2025 and a *Harley Knox II; Crotch's Bumble Bee Habitat Assessment Survey Report* dated November 25, 2024 (included as Appendix A.1 and Appendix A.2 of this Initial Study, respectively), were prepared by BLUE Consulting Group to document the existing biological resources at

the Project site. By preparing the *Biological Assessment Letter Report*, the Project has complied with PVCCSP EIR mitigation measure **MM Bio 6**. Preparation of the *Biological Assessment Letter Report* included jurisdictional delineation field studies; therefore, the Project has complied with PVCCSP EIR mitigation measure **MM Bio 3**.

> **MM Bio 3**: Project-specific delineations will be required to determine the limits of ACOE, RWQCB, and CDFG jurisdiction for implementing projects that may contain jurisdictional features. Impacts to jurisdictional waters will require authorization by the corresponding regulatory agency. If impacts are indicated in an implementing project-specific delineation, prior to the issuance of a grading permit, such implementing projects will obtain the necessary authorizations from the regulatory agencies for proposed impacts to jurisdictional waters.
>
> Authorizations may include, but are not limited to, a Section 404 permit from the ACOE, a Section 401 Water Quality Certification from the RWQCB, and a Section 1602 Streambed Alteration Agreement from CDFG.
>
> **MM Bio 6:** Within areas of suitable habitat associated with the Narrow Endemic Plant Species Survey Area (NEPSSA) and Criteria Area Plant Species Survey Area (CAPSSA), focused plants surveys will be required for implementing projects. The MSHCP requires at least 90 percent avoidance of areas providing long-term conservation value for the NEPSSA and CAPSSA target species. If avoidance is not feasible, then such implementing projects will require the approval of a DBESP including appropriate mitigation.

The remaining PVCCSP EIR mitigation measures that are applicable to the proposed Project are incorporated into the following analysis.

Explanation of Checklist Answers

4a. Less than significant with mitigation incorporated. The *Biological Assessment Letter Report* was prepared by BLUE Consulting Group to document the existing biological resources within the Biological Study Area, which includes the approximately 25.1-acre Project site (the on-site area) plus a 100-foot buffer and approximately four (4) acres for the off-site improvements for a total of 36.5 acres. Pedestrian-based biological surveys which included a protocol wetland delineation of the Biological Study Area were conducted on January 10, 2022, March 8, 2023, and on April 14, 2024. The Biological Study Area is generally flat and composed of agricultural land and the remnants of the previous building at the southeast corner of the Project site. Immediately adjacent to the north of the Project site is the Perris Valley Storm Drain (PVSD) Channel; north of the PVSD Channel is developed industrial uses and agricultural land. The areas west and south of the Project site are developed with industrial buildings. West of the Project site is vacant agricultural land. (BCG-A, p. 3.)

Prior to the beginning the pedestrian survey and protocol wetland delineation, a literature review was conducted to determine the locations and types of biological resources having the potential to exist within the region. Sources reviewed included: U.S. Fish and Wildlife Service Critical Habitat Mapper and File Data; California Department of Fish and Wildlife (CDFW) California Natural Diversity Database, Riverside County Transportation and Land Management Agency Geographic Information Services Database and Multiple Species Habitat Conservation Plan, and the California Native Plant Society database. As part of the literature review, the on-line

databases and mapping tools were used and queried for records of occurrences of special-statues species and habitats within the Perris quadrangle. (BCG-A, pp. 3–4.)

In addition to the use of on-line databases and mapping tools, the United States Geological Survey (USGS) topographic map for the Perris quadrangle was reviewed to determine the locations of any potential special aquatic resource areas (e.g., wetlands or other Waters of the United States or Waters of the State) under regulatory jurisdiction of the US Army Corps of Engineers, CDFW, and/or Regional Water Quality Control Board, and Riparian/Riverine habitats prior to beginning field surveys of the Biological Study Area. The United States Department of Agriculture Natural Resources Conservation Service online Web Soil Survey tool and Figure 2-4 of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) were reviewed to determine the types and percent cover of soils within the Biological Study Area. (BCG-A, p. 4.)

The results of the literature review and pedestrian survey indicate that the observed vegetation communities/land cover types within the Biological Study Area include developed and agricultural/disturbed vegetation. According to the literature review, 11 special-status plant species have been reported to occur within the Perris quandrangle. Three of these species, San Jacinto Valley crownscale (*Atriplex coronata var. notatior*), thread-leaved brodiaea (*Brodiaea filifolia),* and spreading navarretia (*Navarretia fossalis*), are designated with federal and/or state listing status. Due to the highly disturbed nature of the Biological Study Area and the lack of suitable habitat, all 11 special-status plant species were determined to have an absent potential for occurrence within the Biological Study Area. As such, no further surveys are required to determine the presence or absence of special status plant species. (BCG-A, p. 16.)

Six (6) non-special status plant species were observed within the Biological Study Area; five (5) of which are non-native. The non-native species observed are: red-stem erodium (*Erodium cicutarium*), creeping rosemary (*Rasmarinus officinalis 'Prostratus'*), American sycamore (*Platanus occidentalis*), Russian thistle (*Salsola tragus*), and Pepper Tree (*Schinus mole*). The native species present within the Biological Study Area is Salt Cedar (*Tamarix spp*.) (BCG-A, p. 15.)

On November 22, 2024, a habitat assessment was conducted to evaluate the potential of the Project site to support Crotch's bumble bee (*Bombus crotchii*), a candidate species for listing as endangered by the state of California. The survey is negative for onsite presence of appropriate Crotch's Bumble Bee habitat and no additional surveys are required. Crotch's bumble bee prefers open grassland and shrub habitats with nectar-producing plants such as snapdragons (*Antirrhinum* spp.), phacelias *(Phacelia* spp.), clarkias *(Clarkia* spp.), bush poppies (*Dendromecon rigida*), California poppies (*Eschscholzia californica*), and buckwheats (*Eriogonum* spp.). In California, the species' range is limited to coastal areas from San Diego to Redding. (BCG-B, pp. 1-2.)

The Project site has a low likelihood of supporting Crotch's bumble bee for foraging or nesting. The Project site is largely characterized by historic agricultural use and office development, with maintained (tilled) dirt areas lacking vegetation, particularly the preferred nectar plants. Additionally, the surrounding areas have experienced extensive agricultural and developmental disturbances, further degrading habitat quality. No historical occurrences of Crotch's bumble bee have been recorded in the vicinity of the Project site. (BCG-B, p. 1.) Therefore, there is no

Crotch's bumble bee habitat present witihin the Project site and no additional Crotch's bumble bee surveys are required. (BCG-B, pp.1-2.)

According to the literature review, 15 special status wildlife species have been reported to occur within the Perris Quadrangle. Three (3) species, Stephens' kangaroo rat (*Dipodomys stephensi*), least Bell's vireo (*Vireo belli pusillus*), and coastal California gnatcatcher *(Polioptila californica californica*), are listed as federal and/or state threatened or endangered species. Due to the highly disturbed nature of the Biological Study Area and the lack of suitable habitat, all special status wildlife species were determined to have an absent potential for occurrence within the Biological Study Area. As such, no further surveys are required to determine the presence or absence of special status wildlife species. (BCG-A, p. 16.)

The existing trees at the Project site have the potential to provide habitat for nesting migratory birds. Therefore, the proposed Project has the potential to impact active bird nests if vegetation and trees are removed during the nesting season. Nesting birds are protected under the federal Migratory Bird Treaty Act and relevant sections of the California Fish and Game Code (e.g., Sections 3503, 3503.4, 3544, 3505, et seq.). Any activities that occur during the nesting/breeding season of birds protected by the Migratory Bird Treaty Act could result in a potentially significant impact if requirements of the Migratory Bird Treaty Act are not followed. To comply with the Migratory Bird Treaty Act and relevant sections of the California Fish and Game Code (e.g., Sections 3503, 3503.4, 3544, 3505, et seq.), vegetation clearing should take place outside of the typical avian nesting season (i.e., generally February 1st to August 31st although the nesting season may be extended due to weather and drought condition), to the maximum extent practical. Implementation of Project-specific mitigation measure **MM BR 1** (replacing PVCCSP EIR mitigation measure MM Bio 1 per CDFW direction) would ensure Migratory Bird Treaty Act compliance by requiring a nesting bird survey be conducted prior to the commencement of site preparation activities during nesting season. Implementation of mitigation measure **MM BR 1** would reduce potential impacts related to nesting avian species to a less than significant level.

The Project site is located within the MSHCP burrowing owl survey area, which requires a pre-construction survey, habitat assessment, and MSHCP protocol surveys for burrowing owl where suitable habitat is present. The burrowing owl is a CDFW Species of Special Concern and was named as a candidate for potential listing as a protected species under the California Endangered Species Act in October 2024. Due to the numerous mammal burrows present on the Project site, a burrowing owl habitat assessment was completed according to the Burrowing Owl Survey Instructions for the Western Riverside County MSHCP. (BCG-A, pp. 16–17.) Although suitable habitat was present, no potential burrows were observed. The observed mammal burrows were mouse size and too small for use by burrowing owls. No burrowing owls or burrowing owl sign (feathers, pellets, fecal material, prey remains, etc.) were observed during the habitat assessment. Additionally, due to the Project site's location being surrounded by developed area and not adjacent to quality habitat, as well as the active use and maintenance of the developed area and farmed land, no burrowing owls are expected to occur within the Project site. (BCG-A, pp. 16–17.)

Although no burrowing owls were observed during the habitat assessment, they could potentially inhabit areas of the Biological Study Area that were previously determined to be unoccupied prior to Project development. Therefore, Project-specific mitigation measure **MM BR 2** (replacing PVCCSP EIR MM Bio 2 per CDFW direction), which requires a 30-day pre-

construction burrowing owl survey, would be implemented prior to the initiation of construction to confirm that the species is not present at the Project site or the off-site improvement area at that time. If burrowing owls are detected within or adjacent to the Project site or the off-site improvement area during the pre-construction survey, the burrowing owls shall be relocated/excluded from the site outside of the breeding season following accepted protocols, and subject to approval of the Regional Conservation Authority (RCA), the CDFW, and the United States Fish and Wildlife Services.

Therefore, with implementation of Project-specific mitigation measures **MM BR 1** and **MM BR 2**, the proposed Project would not have a substantial adverse effect, either directly or through habitat modification, on any species identified as a candidate, sensitive or special status species. Thus, potential impacts would be **less than significant with mitigation incorporated.** No further analysis of this issue is required.

> **MM BR 1**: To avoid violation of the Migratory Bird Treaty Act and the California Fish and Game Code, site preparation activities (ground disturbance, construction activities, staging equipment, and/or removal of trees and vegetation) for the Project shall be avoided, to the greatest extent possible, during the nesting season of potentially occurring native and migratory bird species.
>
> If site-preparation activities are proposed during the nesting/breeding season, the Project proponent shall retain a qualified biologist to conduct a pre-activity field survey prior to the issuance of grading permits for the Project to determine if active nests of species protected by the Migratory Bird Treaty Act or the California Fish and Game Code are present in the construction zone.
>
> If active nests are not located within the Project site and an appropriate buffer of 500 feet of an active listed species or raptor nest, 300 feet of other sensitive or protected bird nests (non-listed), or 100 feet of sensitive or protected songbird nests, then construction may be conducted during the nesting/breeding season. However, if active nests are located during the pre-activity field survey, then the Biologist shall immediately establish a conservative avoidance buffer surrounding the nest based on their best professional judgement and experience. The Biologist shall monitor the nest at the onset of project activities, and at the onset of any changes in such project activities (e.g., increase in number or type of equipment, change in equipment usage, etc.) to determine the efficacy of the buffer. If the Biologist determines that such project activities may be causing an adverse reaction, the Biologist shall adjust the buffer accordingly or implement alternative avoidance and minimization measures, such as redirecting or rescheduling construction or erecting sound barriers. All work within these buffers shall be halted until the nesting effort is finished (i.e., the juveniles are surviving independent from the nest). The on-site qualified biologist will review and verify compliance with these nesting avoidance buffers and will verify the nesting effort has finished. Work can resume within these avoidance areas when no other active nests are found. Upon completion of the survey and nesting bird monitoring, a report shall be prepared and submitted to City for mitigation monitoring compliance record keeping.
>
> **MM BR 2**: The Project proponent shall retain a qualified biologist to conduct a pre-construction survey for resident burrowing owls no more than 30 days prior to

commencement of grading and construction activities at the Project site. The survey shall include the Project site and all suitable burrowing owl habitat within a 500-foot buffer. The results of the survey shall be submitted to the City of Perris Planning Division prior to obtaining a grading permit. In addition, if burrowing owls are observed during the Migratory Bird Treaty Act nesting bird survey, to be conducted within three days prior to ground disturbance or vegetation clearance, the observation shall be reported to the Wildlife Agencies. If ground disturbing activities in these areas are delayed or suspended for more than 30 days after the pre-construction survey, the area shall be resurveyed for owls. The pre-construction survey and any relocation activity will be conducted in accordance with the current Burrowing Owl Survey Instructions for the Western Riverside MSHCP.

If burrowing owl are detected, the California Department of Fish and Wildlife (CDFW) and Western Riverside County Regional Conservation Authority (RCA) shall be sent written notification by the City, within three days of detection of burrowing owls. If active nests are identified during the pre-construction survey required by mitigation measure **MM BR 1**, the nests shall be avoided and the qualified biologist and Project Applicant shall coordinate with the City of Perris Planning Division to develop a Burrowing Owl Plan to be approved by the City in consultation with the CDFW, the U.S. Fish and Wildlife Service and the RCA prior to commencing Project activities. The Burrowing Owl Plan shall be prepared in accordance with guidelines in the CDFW Staff Report on Burrowing Owl (March 2012) and MSHCP. The Burrowing Owl Plan shall describe proposed avoidance, minimization, relocation, and monitoring as applicable. The Burrowing Owl Plan shall include the number and location of occupied burrow sites and details on proposed buffers if avoiding the burrowing owls and/or information on the adjacent or nearby suitable habitat available to owls for relocation. If no suitable habitat is available nearby for relocation, details regarding the creation and funding of artificial burrows (numbers, location, and type of burrows) and management activities for relocated owls may also be required in the Burrowing Owl Plan. The Permittee shall implement the Burrowing Owl Plan following CDFW, Fish and Wildlife Service, and RCA review and concurrence. A final letter report shall be prepared by the qualified biologist documenting the results of the Burrowing Owl Plan. The letter shall be submitted to the CDFW and RCA prior to the start of Project activities. When the Project biologist determines that burrowing owls are no longer occupying the Project site per the criteria in the Burrowing Owl Plan, Project activities may begin.

If burrowing owls occupy the Project site after Project activities have started, then construction activities shall be halted immediately. The Project proponent shall notify the City and the City shall notify the CDFW, the Fish and Wildlife Service, and the RCA within 48 hours of detection**.** A Burrowing Owl Plan, as detailed above, shall be implemented.

4b. **No impact.** Section 6.1.2 of the MSHCP defines Riparian/Riverine areas as “lands which contain habitat dominated by trees, shrubs, persistent emergents, or emergent mosses and lichens, which occur close to or which depend upon soil moisture from a nearby fresh water source; or areas with fresh water flow during all or a portion of the year.” Riparian/Riverine areas, as defined by the MSHCP, were not observed within the Biological Study Area and would not be

impacted by the Project. (BCG-A, p. 17.) Vernal pools, vernal swales, alkali scalds or flats, or other seasonal wet habitats were not identified within the Biological Study Area during field surveys conducted. The Biological Study Area lacks suitable habitat for fairy shrimp species or other vernal pool species, including plants. (BCG-A, p. 17.) Therefore, the proposed Project would not have a substantial adverse effect on a riparian habitat or other sensitive natural community including fairy shrimp and **no impact** would occur**.** Because the Project site does not contain riparian features and does not contain vernal pools, PVCCSP EIR mitigation measures **MM Bio 4** and **MM Bio 5** would not be applicable to the Project. No further analysis of this issue is required.

4c. Less than significant impact. As part of the *Biological Assessment Letter Report,* a protocol wetland delineation was conducted to evaluate the extent of jurisdictional features subject to federal (Army Corps of Engineers), state (Regional Water Quality Board, California Department of Fish and Wildlife), and local regulations, that may be impacted by the implementation of the proposed Project. Evaluation of jurisdiction under non-wetland waters of the U.S. was conducted in accordance with *A Field Guide to the Identification of the Ordinary High Water Mark in the Arid West Region of the Western United States* the *Updated Datasheet for the Identification of the Ordinary High Water Mark in the Arid West Region of the Western United States* and the 2020 ACOE Navigable Waters Protection Rule. (BCG-A, p. 5.) Evaluation of jurisdiction under the Regional Water Quality Control Board was conducted in accordance with the *State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State*. (BCG-A, p. 8.) Evaluation of jurisdiction under CDFW was conducted in accordance with guidance of relevant CDFW material and standard practices by CFWD personnel. (BCG-A, p. 8.)

According to the *Biological Assessment Letter Report,* the PVSD Channel, the flood control channel to the north of the Project site, is a part of the larger developed and maintained stormwater infrastructure system through the city. This non-natural, maintained, soft-bottom flood control channel that supports no hydrophytic vegetation and conveys the collected ephemeral storm-water flows from the surrounding impervious areas in the area to the east. As a result, proposed impact within the flood control channel slope would not be considered a significant jurisdicational impact to wetland/waters. (BCG-A, p.17.)

Based on the delineation conducted, the *Biological Assessment Letter Report* concluded, the Biological Study Area does not contain special aquatic resource areas such as wetlands or other Waters of the United States or Waters of the State under regulatory jurisdiction of the Army Corps of Engineers, CDFW, and Regional Water Quality Control Board. (BCG-A, p.17.) Since there are no state or federally protected wetlands or Waters of the United States or Waters of the State, within the Biological Study Area, potential impacts regarding a substantial adverse effect on state or federally protected wetlands through direct removal, filling, hydrological interruption, or other means, would be **less than significant**. Therefore, no further analysis of this issue is required.

4d. **Less than significant with mitigation incorporated.** The Biological Study Area is not located within any MHSCP designated Criteria Areas, Cells, or Subunits. (BCG-A, p. 17.) The Project site is not designated as Public/Quasi-Public (PQP) or other MSHCP Conserved Lands (core, extension of existing core, non-contiguous habitat block, constrained linkage, or linkage area). (BCG-A, p. 17.) There are no wildlife nursery sites within the Biological Study Area. Because the land uses surrounding the Project site consists of industrial development, disturbed open areas, and residential development, the Project site is not located adjacent to extensive native open space habitats and does not represent a wildlife corridor between large open space habitats. However, as discussed previously in *Section 4a*, existing trees at the Project site have the potential to provide habitat for nesting migratory birds. Therefore, the proposed Project has the potential to impact active bird nests if vegetation and trees are removed during the nesting season. To comply with the Migratory Bird Treaty Act and relevant sections of the California Fish and Game Code (e.g., Sections 3503, 3503.4, 3544, 3505, et seq.), vegetation clearing should take place outside of the typical avian nesting season (i.e., generally February 1st -August 31st although the nesting season may be extended due to weather and drought condition), to the maximum extent practical. Implementation of Project-specific mitigation measure **MM BR 1** (replacing PVCCSP EIR mitigation measure MM Bio 1 per CDFW direction) would ensure Migratory Bird Treaty Act compliance and would require a nesting bird survey to be conducted prior to the commencement of site preparation activities during nesting season, which would ensure that potential impacts related to migratory birds would be **less than significant with mitigation incorporated**. No further analysis of this issue is required.

4e. **Less than significant impact.** Perris Municipal Code Section 19.71.050*,* Tree Protection, provides protections for qualified trees. Protected trees include, but are not limited to, city trees, heritage trees, specimen trees, and trees required by ordinance and/or as a condition of approval for development. Per Section 19.71.080, Permit Requirements, no person, firm, corporation, public agency, or political subdivision shall remove or severely trim any tree planted in the right-of-way of any city street or on city property without first obtaining a permit from the director of public works to do so. The trees within the Project site do not qualify as protected trees under the Perris Municipal Code.

The City has also adopted the following General Plan policies for the protection of biological resources (GP; Conservation Element, pp. 46-47):

Goal II	Preservation of areas with significant biotic communities.
Policy II.A	Comply with state and federal regulations to ensure protection and preservation of significant biological resources.
Measure II.A.2	Public and private projects, located in areas with potential for moderate or high plant and wildlife sensitivity, require biological surveys as part of the development review process.
Measure II.A.3	For those public and private projects that are also subject to federal or State approval with respect to impacts to Water of the U.S. and/or Streambeds require evidence of completion of the applicable federal permit process prior to the issuance of a grading permit.

Goal III	Implementation of the Multi-Species Habitat Conservation Plan (MSHCP).
Policy III.A	Review all public and private development and construction projects and any other land use plans or activities within the MSHCP area, in accordance with the conservation criteria procedures and mitigation requirements set forth in the MSHCP.

Through compliance with these policies, potential impacts would **be less than significant**. No further analysis of this issue is required.

4f. **Less than significant with mitigation incorporated.** The Biological Study Area is located within the Mead Valley Area Plan area of the Western Riverside MSHCP; however, the Project site and off-site improvement area are not within a MSHCP Criteria Cell or Conservation Area. The MSHCP is a comprehensive multi-jurisdictional plan that includes western Riverside County and multiple cities, including the City of Perris. Rather than address sensitive species on an individual basis, the MSHCP focuses on the conservation of 146 species, proposing a reserve system of approximately 500,000 acres and a mechanism to fund and implement the reserve system. Most importantly, the MSHCP allows participating entities to issue take permits for listed species so that individual applicants need not seek their own permits from the Fish and Wildlife Service and/or CDFW. The MSHCP was adopted on June 17, 2003 by the Riverside County Board of Supervisors. The Incidental Take Permit was issued by both the Fish and Wildlife Service and CDFW on June 22, 2004. Because this Project site is within the City of Perris, the City is the lead agency/permittee.

The MSHCP consists of Criteria Areas that assist in facilitating the process by which individual properties are evaluated for inclusion and subsequent conservation. In addition to Criteria Area requirements, the MSHCP requires consistency with Sections 6.1.2 (Protection of Species within Riparian/Riverine Areas and Vernal Pools), 6.1.3 (Protection of Narrow Endemic Plant Species), 6.1.4 (Urban Wildlands Interface), 6.3.2 (Additional Survey Needs and Procedures), Appendix C (Standard Best Management Practices), and 7.5.3 (Construction Guidelines). The MSHCP serves as a comprehensive, multi-jurisdictional Habitat Conservation Plan (HCP), pursuant to Section (a)(1)(B) of the Endangered Species Act, as well as the Natural Communities Conservation Plan under the State Natural Communities Conservation Plan Act of 2001.

Consistency with MSHCP Section 6.1.1 (Property Owner Initiated Habitat Evaluation and Acquisition Negotiation Strategy)

The Biological Study Area is located within the MSHCP Mead Valley Area Plan but is not located within any MSHCP designated Criteria Areas, group, or linkage area. (BCG-A, p. 16.) Therefore, a Habitat Evaluation and Acquisition Negation Strategy and Joint Project Review is not required for the proposed Project. Further, the Biological Study Area does not fall within any Public/Quasi-Public (PQP) or other MSHCP Conserved Lands. (BCG-A, p. 16.) Therefore, the proposed Project would be consistent with Section 6.1.1 of the MSHCP.

Consistency with MSHCP Section 6.1.2 (Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools)

Volume I, Section 6.1.2 of the MSHCP requires that projects develop avoidance alternatives, if feasible, that would allow for full or partial avoidance of riparian/riverine areas. Section 6.1.2 of the MSHCP defines Riparian/Riverine areas as "lands which contain Habitat dominated by trees, shrubs, persistent emergent, or emergent mosses and lichens, which occur close to or which depend upon soil moisture from a nearby fresh water source; or areas with fresh water flow during all or a portion of the year." The Project's Biological Study Area does not support any riparian, riverine, or vernal pool habitats and no species associated with these habitat types were observed on within the Biological Study Area. (BCG-A, p. 17.) As such, no focused surveys or a MSHCP Determination of Biologically Equivalent of Superior Preservation are required. Thus, the proposed Project would be consistent with Section 6.1.2 of the MSHCP.

Consistency with MSHCP Section 6.1.3 (Protection of Narrow Endemic Plant Species)

Volume I, Section 6.1.3 of the MSHCP requires that within identified Narrow Endemic Plant Species Survey Areas, site-specific focused surveys for Narrow Endemic Plants Species would be required for all public and private projects where appropriate soils and habitat are present. The Project site is not located within a predetermined survey area for MSHCP narrow endemic plant species. (RCA.) Additionally, due to the highly disturbed nature of the biological survey area, the Project site and off-site improvement area do provide suitable habitat for Narrow Endemic Plant Species and no additional surveys are required. (BCG-A, p. 18.) Thus, the proposed Project would be consistent with MSHCP Section 6.1.3.

Consistency with MSHCP Section 6.1.4 (Guidelines Pertaining to the Urban/Wildlife Interface)

Section 6.1.4 outlines the minimization of indirect effects associated with locating development in proximity to a MSHCP Conservation Area that includes approximately 500,000 acres comprised of Public/Quasi-Public Lands and Additional Reserve Lands. The Biological Study Area is not adjacent to an existing or proposed MSHCP Conservation Area. (RCA.) Thus, the Project would be consistent with Section 6.1.4 of the MSHCP.

Consistency with MSHCP Section 6.3.2 (Additional Survey Needs and Procedures)

The MSHCP requires additional surveys for certain species if a project is located within criteria areas shown on Figure 6-2 (Criteria Area Species Survey Area), Figure 6-3 (Amphibian Species Survey Areas with Critical Area), Figure 6-4 (Burrowing Owl Survey Areas with Criteria Area) and Figure 6-5 (Mammal Species Survey Areas with Criteria Area) of the MSHCP.

The Biological Study Area does not occur within any Criteria Species Survey Area, Amphibian Species Survey Area, or Mammal Species Survey Area as identified by the MSHCP. (RCA.) As such, no further surveys related to criteria species, amphibians, or mammals are required.

The Project site is located within the MSHCP Burrowing Owl Survey Area. As part of the Project's *Biological Assessment Letter Report*, a habitat assessment was completed for burrowing owls according to the Burrowing Owl Survey Instructions for the Western Riverside County Multiple Species Habitat Conservation Plan Area. As previously discussed, no suitable

habitat for burrowing owl was present within the Biological Study Area and no burrowing owl or burrowing owl sign (feathers, pellets, fecal material, prey remains, etc.) were present. Thus, the Project would be consistent with Section 6.3.2 of the MSHCP.

MSHCP Appendix C (Standard Best Management Practices) and Section 7.5.3 (Construction Guidelines)

The MSHCP lists standard best management practices and guidelines to be implemented during project construction that would minimize potential impacts to sensitive habitats in the vicinity of a project. The guidelines relate to water pollution and erosion control, equipment storage, fueling, and staging, dust control, exotic plant control and timing of construction. The Project applicant would be required to implement measures from Appendix C (Standard Best Management Practices) and Section 7.5.3 (Construction Guidelines) Implementation of Project specific mitigation measures **MM BR 1** and **MM BR 2** would address potential construction impacts. Thus, with mitigation the proposed Project would be compliant with Appendix C and Section 7.5.3 of the MSHCP.

Additionally, the proposed Project site is within a Stephen's Kangaroo Rat Fee Area as outlined in the Stephen's Kangaroo Rat Habitat Conservation Plan. (SKR HCP.) Payment of the applicable SKR fee would ensure that potential impacts to Stephen's kangaroo rat are reduced to less than significant. Further, as described in *Section 4e* above, the Project applicant would be required to pay applicable MSHCP fees pursuant to Ordinance No. 1123. Therefore, the implementation of the proposed Project would not conflict with the provisions of an adopted conservation plan. Thus, impacts would be **less than significant with mitigation incorporated**. No further analysis of this issue is required.

6.5 Cultural Resources	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?	☐	☐	☐	☒
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☒	☐	☐
c) Disturb any human remains, including those interred outside of dedicated cemeteries?	☐	☒	☐	☐

References: BFSA-A, PVCCSP EIR

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no Standards and Guidelines included in the PVCCSP related to cultural resources.

Developments within the PVCC area are required to adhere to PVCCSP EIR mitigation measures MM Cultural 1, MM Cultural 2, MM Cultural 3, MM Cultural 4, and MM Cultural 6. A *Phase I Cultural Resources Survey* dated November 18, 2024 was prepared by BFSA Environmental Services and is included as Appendix B of this Initial Study. By preparing *Phase I Cultural Resources Survey*, the Project has complied with the following applicable PVCCSP EIR mitigation measure:

> **MM Cultural 1**: Prior to the consideration by the City of Perris of implementing development or infrastructure projects for properties that are vacant, undeveloped, or considered to be sensitive for cultural resources by the City of Perris Planning Division, a Cultural Resources Study of the subject property prepared in accordance with the protocol of the City of Perris by a professional archeologist shall be submitted to the City of Perris Planning Division for review and approval. The Cultural Resources Study shall determine whether the subject implementing development would potentially cause a substantial adverse change to any significant paleontological, archaeological, or historic resources. The Cultural Resources Study shall be prepared to meet the standards established by Riverside County and shall, at a minimum, include the results of the following:
>
> 1. Records searches at the Eastern Information Center (EIC), the National or State Registry of Historic Places and any appropriate public, private, and tribal archives.
> 2. Sacred Lands File record search with the NAHC followed by project scoping with tribes recommended by the NAHC.
> 3. Field survey of the implementing development or infrastructure project site.
>
> The proponents of the subject implementing development projects and the professional archaeologists are also encouraged to contact the local Native American tribes (as identified by the California Native Heritage Commission and the City of Perris) to obtain input regarding the potential for Native American resources to occur at the project site.

Measures shall be identified to mitigate the known and potential significant effects of the implementing development or infrastructure project, if any. Mitigation for historic resources shall be considered in the following order of preference:

1. Avoidance.
2. Changes to the structure provided pursuant to the Secretary of Interior's Standards.
3. Relocation of the structure.
4. Recordation of the structure to Historic American Buildings Survey (HABS)/Historic American Engineering Record (HAER) standard if demolition is allowed. Avoidance is the preferred treatment for known significant prehistoric and historical archaeological sites, and sites containing Native American human remains. Where feasible, plans for implementing projects shall be developed to avoid known significant archaeological resources and sites containing human remains. Where avoidance of construction impacts is possible, the implementing projects shall be designed and landscaped in a manner, which would ensure that indirect impacts from increased public availability to these sites are avoided. Where avoidance is selected, archaeological resource sites and sites containing Native American human remains shall be placed within permanent conservation easements or dedicated open space areas.

The Cultural Resources Study submitted for each implementing development or infrastructure project shall have been completed no more than three (3) years prior to the submittal of the application for the subject implementing development project or the start of construction of an implementing infrastructure project.

Additional PVCCSP EIR mitigation measures that are applicable to the proposed Project are incorporated into the following analysis.

EXPLANATION OF CHECKLIST ANSWERS

5a. **No Impact.** As required by PVCCSP EIR mitigation measure MM Cultural 1**,** a *Phase I Cultural Resources Survey* dated November 18, 2024, was prepared and is included as Appendix B of this Initial Study. Prior to conducting the cultural resources investigation, an archeological records search was conducted at the Eastern Information Center, at the University of California Riverside. The records search on file at the Eastern Information Center included a review of recorded historic properties (prehistoric and historic archaeological sites, historic buildings, structures, objects or districts) within the Study Area. The Study Area includes the Project site and one-mile radius around the Project site and approximately 10 acres of off-site improvements for a more conservative analysis of potential project impacts.

According to the records search results, there have been 51 cultural resource studies conducted within the Study Area. Two of these studies includes portions of the Project site. The records search identified 27 resources within one mile of the Project site. No resources were found within the Project site. (BFSA-A, pp. 31, 34.) Two resources intersect the northwest potential offsite improvement area. However, these resources were previously evaluated and determined that they were not California Register of Historical Resources eligible resources. (BFSA-A, p. 25.)

As part of the cultural resources investigation a series of historical maps were consulted to assess land use and development in the Study Area. Plat maps were consulted on the Bureau of Land Management General land Office website. According to the maps, no structures or buildings were identified within the Project site. The plat maps from 1855 and 1890 show an unnamed southwest-trending trail extending through the Project site. (BFSA-A, p. 23.) Aerial photographs from 1938 were also consulted and show that the Project site historically consisted of a vacant or agricultural field. The Project site shows little to no change until 1997 when the majority of the property had been visibly plowed and planted and two buildings were visible in the center of the Project site. A third structure that may have been used as storage was near the northern boundary of the Project site. The buildings remained visible until around 2005 when they appear to have been demolished. Rubble had been gradually removed and presently, there are only few remnants of the old properties on site. The few remnant foundations from the modern buildings (constructed between 1978 and 1997) are not considered old enough to qualify for recordation or evaluation as a historical resource. (BFSA-A p. 23.)

The potential for cultural resources to be present within a given area is usually indicated by known settlement patterns, which in western Riverside County were focused around freshwater resources and a food supply. The Project site does not contain any natural permanent water sources or features that would have been advantageous to the prehistoric occupation in the region. (BFSA-A, p. 34.) As such, the potential for historic cultural resources within the Project site is considered to be low.

An intensive reconnaissance survey of the Study Area was conducted as part of the cultural resources investigation on January 5, 2022 and March 5, 2023. At the time of the surveys, the Project site was characterized as flat, previously cleared and disked parcel, except for the southeastern portion of the Project site which at the time contained a warehouse building, parking lot, and associated landscape. As mentioned in the Project description above, this warehouse building, parking, and associated landscape was demolished in September 2023. A large drainage channel (the PVSD) parallels the northern Project site boundary. Noted disturbances to the property included disking, clearing, piles of modern trash and building materials, dirt roads, and remnants of demolished buildings. Three locations were noted where concrete foundations were present. Ground visibility was generally good and very little vegetation, consisting of non-native weeds and grasses, was present at the Project site. (BFSA-A, pp. 5, 35.) The three concrete foundations noted previously are not old enough to be considered historic. Trash and construction debris were noted in various locations on the property; however, none of these deposits contained any items that would qualify as historic resources. (BFSA, p. 35.)

As concluded by the *Phase I Cultural Resources Survey*, no historical resources were identified within the Project site or were identified during the pedestrian survey. Therefore, **no impact** to historic resources would occur. No further analysis of this issue is required.

5b. **Less than significant with mitigation incorporated.** As discussed in *Section 5a* above, a total of 27 cultural resources were recorded within one mile of the Project site; however, none were recorded within the Project site. As part as the cultural resources investigation, a records search of the Sacred Lands File was requested on November 5, 2021, from of the Native American Heritage Commission (NAHC) which was returned with positive results for the presence of Native American sacred sites or locations of ceremonial importance within the vicinity of the Project site. In accordance with the recommendations of the NAHC, BFSA contacted all Native American consultants listed in the NAHC response letter to request any relevant information concerning the property. This request is not part of any Assembly Bill 52 Native American consultation. As of April 2025, only one Tribe responded, stating that they did not wish to comment on the Project. No other responses from Tribes were received. (BFSA-A, p. 34.). The Assembly Bill 52 (AB 52) consultation efforts by the City and discussion about the AB 52 consultation is addressed under *Section 5.18* – Tribal Cultural Resources of this Initial Study.

The intensive pedestrian surveys conducted did not identify any significant cultural resources. Nonetheless, there is always the potential that previously unidentified archaeological resources may be discovered during ground disturbance. With implementation of Project-specific mitigation measure **MM CR-1**[1]**,** potential impacts related to archaeological resources would be **less than significant with mitigation incorporated**. No further analysis of this issue is required.

> **MM CR-1:** Prior to the issuance of grading permits, the Project proponent/developer shall retain a professional archaeologist meeting the Secretary of the Interior's Professional Standards for Archaeology (U.S. Department of Interior, 2012; Registered Professional Archaeologist preferred). The primary task of the consulting archaeologist shall be to monitor the initial ground-disturbing activities at both the Project site and any off-site project-related improvement areas for the identification of any previously unknown archaeological and/or cultural resources. Selection of the archaeologist shall be subject to the approval of the City of Perris Director of Development Services and no ground-disturbing activities shall occur at the Project site or within the off-site Project improvement areas until the archaeologist has been approved by the City.
>
> The archaeologist shall be responsible for monitoring ground-disturbing activities, maintaining daily field notes and a photographic record, and for reporting all finds to the developer and the City of Perris in a timely manner. The archaeologist shall be prepared and equipped to record and salvage cultural resources that may be unearthed during ground-disturbing activities and shall be empowered to temporarily halt or divert ground-disturbing equipment to allow time for the recording and removal of the resources.
>
> In the event that archaeological resources are discovered at the Project site or within the off-site project improvement areas, the handling of the discovered resource(s) will differ, depending on the nature of the find. Consistent with California Public Resources Code Section 21083.2(b) and Assembly Bill 52 (Chapter 532, Statutes of 2014), avoidance

[1] Project-specific mitigation measure MM CR 1 replaces PVCCSP EIR mitigation measures MM Cultural 2**,** MM Cultural 3**,** and MM Cultural 4.

shall be the preferred method of preservation for Native American/tribal cultural/archaeological resources. However, it is understood that all artifacts, with the exception of human remains and related grave goods or sacred/ceremonial/religious objects, belong to the property owner. The property owner will commit to the relinquishing and curation of all artifacts identified as being of Native American origin. All artifacts, Native American or otherwise, discovered during the monitoring program shall be recorded and inventoried by the consulting archaeologist.

If any artifacts of Native American origin are discovered, all activities in the immediate vicinity of the find (within a 50-foot radius) shall stop and the project proponent and project archaeologist shall notify the City of Perris Planning Division and the Soboba Band of Luiseño Indians and the Pechanga Band of Indians. A designated Native American representative from either the Soboba Band of Luiseño Indians or the Pechanga Band of Indians shall be retained to assist the project archaeologist in the significance determination of the Native American as deemed possible. The designated Native American tribal representative shall be given ample time to examine the find. The significance of Native American resources shall be evaluated in accordance with the provisions of CEQA and shall consider the religious beliefs, customs, and practices of the Luiseño tribe. If the find is determined to be of sacred or religious value, the Native American tribal representative will work with the City and consulting archaeologist to protect the resource in accordance with tribal requirements. All analysis shall be undertaking in a manner that avoids destruction or other adverse impacts.

In the event that human remains are discovered at the Project site or within the off-site project improvement areas, mitigation measure **MM CR-2** shall immediately apply and all items found in association with Native American human remains shall be considered grave goods or sacred in origin and subject to special handling.

To the extent feasible, Native American artifacts shall be relocated/reburied at the Project site subject to a fully executed relocation/reburial agreement with the assisting Native American tribe. This shall include, but not be limited to, an agreement that artifacts will be reburied onsite and in an area of permanent protection, and that reburial shall not occur until all cataloging and basic recordation have been completed by the consulting archaeologist.

Native American artifacts that cannot be avoided or relocated at the Project site shall be prepared for curation at an accredited curation facility in Riverside County that meets federal standards (per 36 CFR Part 79) and available to archaeologists/researchers for further study. The Project archaeologist shall deliver the Native American artifacts, including title, to the identified curation facility within a reasonable amount of time, along with applicable fees for permanent curation.

Non-Native American artifacts shall be inventoried, assessed, and analyzed for cultural affiliation, personal affiliation (prior ownership), function, and temporal placement. Subsequent to analysis and reporting, these artifacts will be subjected to curation, as deemed appropriate, or returned to the property owner.

Once grading activities have ceased and/or the archaeologist, in consultation with the designated Luiseño representative, determines that monitoring is no longer warranted, monitoring activities can be discontinued following notification to the City of Perris Planning Division.

A report of findings, including an itemized inventory of artifacts, shall be prepared upon completion of the tasks outlined above. The report shall include all data outlined by the Office of Historic Preservation guidelines, including a conclusion of the significance of all recovered, relocated, and reburied artifacts. A copy of the report shall also be filed with the City of Perris Planning Division, the South Coastal Information Center, and the Native American tribe(s) involved with the project.

5c. Less than significant impact with mitigation incorporated. The proposed Project site has been historically used for agriculture except for a few small structures in the 90s and the warehouse building, parking, and associated landscape in the mid 2000s. No known cemeteries have been or are present at the Project site, so the Project site is not expected to contain human remains, including those interred outside of formal cemeteries. However, the potential exists for previously unknown human remains to be discovered at the site during Project construction activities. Project-specific mitigation measure **MM CR 2**[2] would be implemented to ensure that any human remains that might be discovered at the site are treated appropriately pursuant to Section 7050.5 of the California Health and Safety Code and Section 5097.98 of the California Public Resources Code. With adherence to existing laws and regulations, and implementation of mitigation measure **MM CR 2**, potential impacts with regard to the disturbance of human remains would be **less than significant with mitigation incorporated**. No further analysis of this issue is required.

MM CR 2: In the event that human remains (or remains that may be human) are discovered at the Project site or within the off-site Project improvement areas during ground-disturbing activities, the construction contractors, Project archaeologist, and/or designated Native American tribal representative shall immediately stop all activities within 100 feet of the find. The Project proponent shall then inform the Riverside County Coroner and the City of Perris Planning Division immediately, and the coroner shall be permitted to examine the remains as required by California Health and Safety Code Section 7050.5(b).

If the coroner determines that the remains are of Native American origin, the coroner would notify the Native American Heritage Commission (NAHC), which will identify the "Most Likely Descendent" (MLD).[3] Despite the affiliation with any Native American tribal

[2] Project-specific mitigation measure MM CR 2 replaces PVCCSP EIR mitigation measure MM Cultural 6.

[3] The "Most Likely Descendent" (MLD) is a reference used by the California Native American Heritage Commission to identify the individual or population most likely associated with any human remains that may be identified within a given project area. Under California Public Resources Code, Section 5097.98, the Native American Heritage Commission has the authority to name the MLD for any specific project and this identification is based on a report of Native American remains through the County Coroner's office. The City of Perris will recognize any MLD identified by the Native American Heritage Commission without giving preference to any particular population. In cases where the Native American Heritage Commission is not tasked with the identification of a Native American representative, the City of Perris reserves the right to make an independent decision based upon the nature of the proposed project.

representative(s) at the site, the NAHC's identification of the MLD will stand. The MLD shall be granted access to inspect the site of the discovery of Native American human remains and may recommend to the Project proponent means for treatment or disposition, with appropriate dignity of the human remains and any associated grave goods. The MLD shall complete his or her inspection and make recommendations or preferences for treatment within 48 hours of being granted access to the site. The disposition of the remains will be determined in consultation between the Project proponent and the MLD. In the event that there is disagreement regarding the disposition of the remains, State law will apply and the median with the NAHC will make the applicable determination (see Public Resources Code Section 5097.98I and 5097.94(k)).

The specific locations of Native American burials and reburials will be proprietary and not disclosed to the general public. The locations will be documented by the consulting archaeologist in conjunction with the various stakeholders and a report of findings will be filed with the South Coastal Information Center.

6.6 Energy	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?	☒	☐	☐	☐
b) Conflict with or obstruct a state or local plan for renewable energy or energy efficiency?	☒	☐	☐	☐

References: Project Description

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

Section 1.2 (Specific Plan Vision and Objectives) of the PVCCSP encourages increased energy efficiency in building design and the offering of incentives for LEED certification. Section 4.2.4 (Lighting) of the PVCCSP requires lighting standards to be energy efficient. No other PVCCSP Standard and Guidelines are applicable to the analysis of energy.

The proposed Project would be required to adhere to PVCCSP EIR mitigation measures MM Air 19 and MM Air 20. PVCCSP EIR mitigation measure MM Air 19 requires implementing development projects to include installation of energy-efficient street lighting throughout project sites. PVCCSP EIR mitigation measure MM Air 20 requires each implementing development project to implement, at a minimum, an increase in each building's energy efficiency 15 percent beyond Title 24, and reduce indoor water use by 25 percent.

Explanation of Checklist Answers

a) **Potentially significant impact.** Implementation of the Project would increase the amount of energy consumed within the Project site. To determine the severity of Project-related impacts regarding wasteful, inefficient, or unnecessary consumption of energy resources during Project construction or operation, additional analysis is required. Thus, the Project may result in a **potentially significant impact** due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation. This topic will be further analyzed and addressed in a forthcoming EIR.

b) **Potentially significant impact.** Implementation of the Project would result in the development of a vacant site. As such, it is anticipated the amount of energy consumed within the Project site would increase. To determine the severity of Project-related impacts regarding energy, additional analysis is required. Thus, the Project may conflict with or obstruct a state or local plan for renewable energy or energy efficiency. Therefore, the Project may result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

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

References: BFSA-B, DOC, GE, GP CE, GP SE, GP EIR, SCG

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no PVCCSP Standard and Guidelines applicable to the analysis of geology and soils.

The proposed Project would be required to adhere to PVCCSP EIR mitigation measures **MM Geo 1**, **MM Cultural 1**, and **MM Cultural 5**. PVCCSP EIR mitigation measure MM Geo 1 requires the preparation of a geotechnical report and mitigation measures MM Cultural 1 and MM Cultural 3 address potential paleontological resource impacts. A *Geotechnical Investigation Report* was prepared by Southern California Geotechnical on February 2022 and is included as Appendix B to this Initial Study. By preparing the *Geotechnical Investigation*, the Project has complied with the following applicable PVCCSP EIR mitigation measure:

> **MM Geo 1**: Concurrent with the City of Perris' review of implementing development projects, the project proponent of the implementing development project shall submit a geotechnical report prepared by a registered geotechnical engineer and a qualified engineering geologist to the City of Perris Public Works/Engineering Administration Division for its review and approval. The geotechnical report shall assess the soil stability within the implementing development project affecting individual lots and building pads, and shall describe the methodology (e.g., over excavated, backfilled, compaction) being used to implement the project's design.

A *Paleontological Resources Assessment*, dated November 18, 2024,was prepared by BFSA Environmental Services and is included as Appendix D of this Initial Study. By preparing *Paleontological Resources Assessment*, the Project has complied with PVCCSP EIR mitigation measure MM Cultural 1 (see Section 6.5 Cultural Resources).

Explanation of Checklist Answers

a.i) **No impact.** The Project site is not located within an Alquist-Priolo Earthquake Fault Zone (SCG, p. 9). While seismic activity is known to exist throughout Southern California, there are no known faults through or near the Project site that would result in substantial effects. The Project site is located approximately 9.46 miles west of the Sunnymead Fault Zone and approximately 16.08 miles east of the Elsinore Fault Zone (DOC; GE). The possibility of significant fault ruptures at the Project site is considered to be low because no evidence of faulting. (SCG, p. 9.) Further, the Project's design would be consistent with the recommended seismic parameters included in the *Geotechnical Investigation Report* and meet or exceed the seismic standards in the current California Building Code. Thus, the Project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of known earthquake fault. Therefore, **no impact** would occur**.** No further analysis of this issue is required.

a.ii) **Less than significant impact.** Although there are no faults identified within the City limits, there are several active faults within the Southern California region that may contribute to ground shaking at the Project site, including: San Andreas, San Jacinto, Cucamonga, and Elsinore Faults (GP EIR, p. VI-10). Since ground shaking and earthquake activity is typical of the Southern California area, the proposed Project would be required to be designed consistent with current California Building Codes, requiring structures to be designed to meet or exceed the seismic safety standards set forth therein (SCG, p. 10). Thus, the Project would not directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving

strong seismic ground shaking. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

a.iii) **Less than significant impact.** Liquefaction occurs when intense vibrations from an earthquake cause saturated soil to lose stability and act more like a liquid than a soil (GP SE, p. 29). There are multiple areas within the City susceptible to liquefaction. However, the Project site is not located within a moderate, high, or very high liquefaction susceptibility area (GP SE, p. 28). Additionally, Riverside County identifies the Project site as having low liquefaction susceptibility (SCG, p. 11). Furthermore, the subsurface exploration conducted as part of the *Geotechnical Investigation Report* determined that subsurface conditions encountered at the boring locations were not considered to be conducive to liquefaction (SCG, p. 11). Specifically, the subsurface conditions consist of moderate to high strength alluvial soils underlain by bedrock, with no evidence of a long-term groundwater table within the depths explored by the boring. Hence, liquefaction is not considered to be a design concern for this Project (SCG, p. 11). Thus, the Project would not directly, or indirectly, cause potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including liquefaction. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

a.iv) **No Impact.** The City is located on a flat broad basin. The City's western and southern areas contain steep slopes (30 percent gradient or higher) and are identified as areas susceptible to landslides (GP SE, p. 30). The Project site is located within the northwestern portion of the City, which is relatively flat (GP SE, p. 31). The Project site's overall topography is relatively flat and gently slopes downward to the east at a gradient of less than one percent (SCG, p. 4). Since the Project site is not in an area prone to slope instability and not susceptible to landslides, implementation of the Project is not anticipated to directly, or indirectly, cause potential substantial adverse effects, including the risk of loss, injury, or death involving seismic-related ground failure, including landslides. Therefore, **no impact** would occur**.** No further analysis of this issue is required.

b) **Less than significant impact.** The Project site is characterized as generally flat, descending gradually to the east. The Project site is vacant. Once operational, the majority of the Project site would be paved and developed with a warehouse facility and supporting infrastructure; therefore, no soil erosion is anticipated with long-term operation of the site. Short-term construction activities would include the demolition, grading, moving, and compaction of soils at the site, followed by building construction. Trenching, grading, and compacting associated with construction of structures, modification/relocation of underground utility lines, and landscape/hardscape installation could expose areas of soil to erosion by wind or water during these construction processes. As such, construction activities have the potential to result in soil erosion or the loss of topsoil. The *Geotechnical Investigation Report* identified that near-surface soils consist of moderate strength sandy silts, silty sands, and clayey sands that may become unstable and subject to caving within shallow excavations. (SCG, p. 16) Additionally, onsite soil may be susceptible to erosions due to their granular content, some of the onsite soil could also be susceptible to erosion. (SCG, pp. 16-17) To provide excavation stability and to prevent water ponding, the Project design would incorporate recommendations from the *Geotechnical Investigation Report*. These recommendations include flattening excavation slopes where caving occurs to provide excavation stability and grading the Project site to prevent ponding of surface water and to prevent water from running into excavations. (SCG, pp. 16-17).

One of the major effects of erosion is sedimentation in receiving waters. However, erosion control standards are set by the Regional Water Board through administration of the National Pollutant Discharge Elimination System (NPDES) permit process for storm drainage discharge. The NPDES permit requires implementation of nonpoint source control of stormwater runoff through the application of a number of Best Management Practices (BMPs). BMPs are required to reduce the amount of constituents, including eroded sediment, that enter streams and other water bodies to the maximum extent practicable. A Storm Water Pollution Prevention Plan (SWPPP), as required by the Regional Water Board, must describe the stormwater BMPs (structural and operational measures) that would control the quality (and quantity) of stormwater runoff.

Additionally, sites greater than one acre in size are subject to the provisions of the General Construction Activity Stormwater Permit adopted by the State Water Resources Control Board. Developers must submit a Notice of Intent to the State Water Resources Control Board for coverage under the Statewide General Construction Activity Stormwater Permit and must comply with all applicable requirements, including the preparation of a SWPPP, applicable NDPES Regulations, and BMPs. The SWPPP must describe the site, the facility, construction period erosion and sediment controls, runoff water quality monitoring, means of waste disposal, implementation of approved local plans, control of post-construction sediment and erosion, maintenance responsibilities, and non-stormwater management controls. Inspection of construction sites before and after storms is required to identify stormwater discharge from the construction activity and to identify and implement controls where necessary. Because the site is over one acre in size, the Project would be required to comply with all applicable requirements of the General Construction Activity Stormwater Permit, including the preparation of a SWPPP, applicable NDPES Regulations, and BMPs.

All construction activities would also be required to comply with Chapter 33 of the California Building Code, which regulates excavation activities and the construction of foundations and retaining walls, grading activities, including drainage and erosion control. Likewise, the City performs stormwater monitoring and enforcement activities. In the developed condition, the addition of paved and landscaped areas would, over the long term, decrease the potential for erosion because less exposed soils would exist at the sites. Thus, through compliance with these standard regulatory requirements, the construction of the proposed Project is not anticipated to result in substantial soil erosion or the loss of topsoil.

Thus, through compliance with standard state and federal requirements and recommendations outlined in the *Geotechnical Investigation Report,* the Project would not result in substantial soil erosion or loss of topsoil. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

c) **Less than significant impact.** As discussed in *Sections 6.7(a.iii)* and *6.7(a.iv),* the Project site is located in a relatively flat area, so landslides do not pose a significant risk and liquefaction is not considered to be a significant design concern.

Lateral spreading is a phenomenon in which soils move laterally during seismic shaking and is often associated with liquefaction. The amount of movement depends on the soil strength, duration and intensity of seismic shaking, topography, and free face geometry. Seismic ground subsidence (not related to liquefaction induced settlements) occurs when strong earthquake shaking results in the densification of loose to medium density sandy soils above groundwater. The potential for geological hazards induced by lateral spreading is considered low and only

minor subsidence may occur at the Project site (SCG, p. 9, 13). As such, the *Geotechnical Investigation Report* provides site development and design recommendations that would be incorporated into the grading plans prepared for the proposed Project. Further, the Project would be required to adhere to the measures identified in the California Building Code, applicable standards of the City's Grading Ordinance to reduce potential impacts resulting from unstable soil conditions.

The Project site contains younger alluvial material (near surface) that is underlined by older alluvium material. (SCG, p. 5). Based on soil samples, the near surface alluvium possesses a moderate potential for collapse when inundated by water and its current condition, the upper portion of the alluvium, in its present condition, is not considered suitable for support of the foundation loads of the new structure. (SCG, pp. 5, 11). The older alluvium possesses more favorable strengths and favorable consolidation/collapse characteristics. (SCG, p. 11). Therefore, the *Geotechnical Investigation Report* recommends remedial grading within the Project site to remove the upper portion of the native alluvium and replace these materials as compacted structural fill soils. (SCG, p. 11). These recommendations would be implemented as part of the Project design. Additionally, adherence to measures identified in the California Building Code, applicable standards of the City's Grading Ordinance, would reduce impacts resulting from unstable soil conditions.

Thus, the Project is not located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse. Therefore, the Project would result in a **less than significant impact.** No further analysis of this issue is required.

d) **Less than significant impact.** Expansive soils swell when subjected to moisture and shrink when dried. The Uniform Building Code mandates that "special [foundation] design consideration" be employed if the Expansion Index is 20, or greater. Laboratory testing performed on a representative sample of the near surface soils indicates that these materials possess a medium expansion potential (Expansion Index = 43). Based on the presence of expansive soils at this site, recommendations of the *Geotechnical Investigation Report* recommend proper moisture conditioning and maintenance of moisture content of all building pad subgrade soils to a moisture content of 2 to 4 percent above the American Society for Testing and Materials (ASTM) D-1557 optimum, during site grading. (SCG, p.12). As such, the *Geotechnical Investigation Report* provides site development and design recommendations that are required to be incorporated into the grading plans prepared for the proposed Project to be approved by the City prior to issuance of grading permits. These plans are also required to be prepared in conformance with applicable standards of the City's Grading Ordinance. Development of the Project site, consistent with applicable standards and the recommendations included in the *Geotechnical Investigation Report*, would reduce potential impacts from expansive soils. Thus, the Project would not create substantial direct or indirect risks to life or property due to expansive soil. Therefore, the Project would result in a **less than significant impact**. No further analysis of this issue is required.

e) **No impact.** The proposed Project, like the prior use at the site, would connect to the existing sewer system and would not require the use of a septic tank. **No impact** would occur. No further analysis of this issue is required.

f) **Less than significant with mitigation incorporated.** The Project site is located on lower Pleistocene very old, sandy, alluvial-fan deposits. (BFSA-B, p. 6.) Pleistocene (greater than 11,700 years old) alluvial and alluvial fan deposits in western Riverside County and the Inland Empire can yield important Ice Age terrestrial vertebrates fossils and sediments are considered to have a High paleontological resources sensitivity. (BFSA-B, p. 8). According to the City of Perris General Plan Conservation Element Exhibit CN-7: Paleontological Sensitivity, the Project site and off-site improvement area are within Paleontological Sensitivity Area 1 (High Sensitivity) and exhibits surface exposures of older Pleistocene valley deposits which have high potential to contain significant fossil resources. (GP CE, pp. 26-27.) Conservation Element implementation measure IV.A.4 requires paleontological monitoring of all projects within Area 1 once subsurface excavation begins.

As part of the Paleontological Resources Assessment, a paleontological literature review and collections and locality records search was conducted for the project using records from previous BFSA projects, the Division of Geological Sciences at the San Bernardino County Museum, the Los Angeles County Museum of Natural History, and the Western Science Center, as well as data from published and unpublished paleontological literature. The resulting locality records search did not identify any previously recorded fossil localities within the Project site. (BFSA-B, p. 6.) Nevertheless, because of the high paleontological sensitivity assigned to the Project site, the depth of potential ground disturbance, a Paleontological Resource Impact Mitigation Monitoring Program (PRIMMP) would be prepared and approved in conformance with Conservation Element implementation measure IV.A.4, as set forth in Project-specific mitigation measure **MM GEO 1.**[4] Therefore, potential impacts would be **less than significant with mitigation incorporated**. No further analysis of this issue is required.

> **MM GEO 1**: Prior to the issuance of grading permits, the Project proponent/developer shall submit to and receive approval from the City, a Paleontological Resource Impact Mitigation Monitoring Program (PRIMMP). The PRIMMP shall include the provision of a qualified professional paleontologist (or his or her trained paleontological representative) to be on-site fulltime for any Project-related subsurface excavation. Selection of the paleontologist shall be subject to the approval of the City of Perris Planning Manager and no excavation activities shall occur at the Project site or within the off-site project improvement areas until the paleontologist has been approved by the City.
>
> Monitoring shall be restricted to undisturbed subsurface areas of older quaternary alluvium. The approved paleontologist shall be prepared to quickly salvage fossils as they are unearthed to avoid construction delays. The paleontologist shall also remove samples of sediments which are likely to contain the remains of small fossil invertebrates and vertebrates. The paleontologist shall have the authority to temporarily halt or divert grading equipment to a radius of 50 feet to allow for removal of abundant or large specimens.

[4] Project-specific mitigation measure **MM GEO 1** replaces PVCCSP EIR mitigation measure MM Cultural 5.

Collected samples of sediments shall be washed to recover small invertebrate and vertebrate fossils. Recovered specimens shall be prepared so that they can be identified and permanently preserved. Specimens shall be identified and curated and placed into an accredited repository (such as the Western Science Center or the Riverside Metropolitan Museum) with permanent curation and retrievable storage.

A report of findings, including an itemized inventory of recovered specimens, shall be prepared upon completion of the steps outlined above. The report shall include a discussion of the significance of all recovered specimens. The report and inventory, when submitted to the City of Perris Planning Division, will signify completion of the program to mitigate impacts to paleontological resources.

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6.8 Greenhouse Gas Emissions	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	☒	☐	☐	☐
b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?	☒	☐	☐	☐

References: Project Description

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

The are no PVCCSP includes Standards and Guidelines relevant to the analysis of greenhouse gas emissions impacts.

The proposed Project would be required to adhere to PVCCSP EIR mitigation measures MM Air 2, MM Air 4 through MM Air 7, MM Air 11 through MM Air 14, MM Air 19 and MM Air 21.

Explanation of Checklist Answers

a) **Potentially significant impact.** Implementation of the Project would incorporate general industrial uses which may result have the potential to generate greenhouse gas (GHG) emissions above South Coast AQMD thresholds of significance during construction and operational activities. Thus, the Project may have the potential to generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment. Therefore, the emissions generated by the Project may cause a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

b) **Potentially significant impact.** As discussed in *Section 6.8(a)* above, the Project may have the potential to increase GHG emissions to levels that may impact the environment. Thus, the proposed Project may have the potential to conflict with any applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases Therefore, the Project may cause a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

6.9 Hazards/Hazardous Materials	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous material?	☐	☐	☒	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☐	☒	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter-mile of an existing or proposed school?	☐	☐	☐	☒
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise or people residing or working in the project area?	☐	☐	☒	☐
f) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☒	☐
g) Expose people or structures either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?	☐	☐	☐	☒

References: ALUC-A, ALUC-B, CALFIRE, CCR, DTSC, GP SE, WENV-A, WENV-B

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

The PVCCSP includes Standards and Guidelines relevant to development within the Airport Influence Zones I and II. The Standards and Guidelines summarized below are incorporated as part of the proposed Project and are assumed in the analysis presented in this section. The chapters/section numbers provided correspond to the PVCCSP chapters/sections.

Airport Overlay Zone (from Chapter 12.0 of the PVCCSP)

12.1 Prohibited Uses in Airport Overlay Zones. This section identifies restrictions within the Clear Zone (CZ), Accident Potential Zone I (APZ-1), and Accident Potential Zone II (APZ-II) which are located within the PVCCSP area.

12.1.1 Compatibility with March Air Reserve Base

The PVCC is located in March ARB Airport Influence Zones I and II; therefore, all development within the plan shall comply with the following measures:

- Avigation Easement
- Noise Standard
- Land Use and Activities
- Retention and Water Quality Basins
- Notice of Airport in the Vicinity
- Disclosure
- Lighting Plans
- Height Restrictions per Federal Aviation Regulations Part 77
- Clear Zone (Surface B)
- Approach/Departure Clearance Surface (Surface C)
- Inner Horizontal Surface (Surface E)
- Conical Surface
- Form 7460 (Notice of Proposed Construction or Alteration)

Section 2.1.6, Airport Overlay Zone Clear Zone prohibits new development of any kind.

Section 4.2.1, General On-site Project Development Standards and Guidelines, of the PVCCSP, also prohibits uses that could affect March ARB/IPA, avigation easements, APZs, consistent with Section 12.

The PVCCSP EIR mitigation measures that are applicable to the proposed Project are incorporated into the following analysis.

Explanation of Checklist Answers

a) **Less than significant impact.** The routine transport, use, and disposal of hazardous materials may result in potential hazards to the public through accidental release. Such hazards are typically associated with certain types of land uses, such as chemical manufacturing facilities, industrial processes, waste disposal, and storage and distribution facilities.

Construction

Construction of the Project site would involve the transport of fuels, lubricants, and various other liquids for operation of construction equipment. These materials would be transported to the Project site by equipment service trucks. In addition, workers would commute to the Project via

private vehicles and would operate construction vehicles and equipment on public streets. Hence, the potential exists for direct impacts to human health and the environment from accidental spills of hazardous materials during Project construction through the transport, use, and disposal of construction-related hazardous materials such as fuels, lubricants, and solvents. However, several federal and state agencies prescribe strict regulations for the safe transportation of hazardous materials. Hazardous material transport, storage and response to upsets or accidents are primarily subject to federal regulation by the United States Department of Transportation Office of Hazardous Materials Safety in accordance with Title 49 Part 171-180 of the Code of Federal Regulations. Title 49 Part 171-180 regulates the safe transportation of hazardous materials and requires appropriate documentation for all hazardous waste that is transported. The U.S. Occupational Safety and Health Administration (OSHA) protects workers from being killed or seriously harmed at work: specifically, 29 CFR §§1910 and 1926 address the handling of toxic materials. Cal OSHA, under 8 CCR §§337-340, specifies requirements for employee training, availability of safety equipment, accident prevention programs, and hazardous substance exposure warnings. Management of Hazardous Waste, under California Code of Regulations Title 22 Division 4.5, establishes permits for the storage and disposal of hazardous material that cannot be disposed of in landfills. The California Hazardous Waste Control Law, under Chapter 6.95 of the Health and Safety Code, describes strict regulations for the safe transportation and storage of hazardous materials. Compliance with all applicable laws and regulations would reduce potential impacts associated with routine transport, use, or disposal of hazardous materials.

The transportation of hazardous materials can result in accidental spills, leaks, toxic releases, fire, or explosion. Further, it is possible that licensed vendors may bring some hazardous materials to and from the Project site as a result of the proposed Project. However, appropriate documentation for all hazardous waste that is transported in connection with specific Project-site activities would be provided as required for compliance with existing hazardous materials regulations codified in Titles 8, 22, and 26 of the California Code of Regulations, and their enabling legislation set forth in Chapter 6.95 of the California Health and Safety Code. In addition, future users would be required to comply with all applicable Federal, State, and local laws and regulations pertaining to the transport, use, disposal, handling, and storage of hazardous waste, including but not limited to the United States Department of Transportation Office of Hazardous Materials Safety Title 49 of the Code of Federal Regulations, and implemented by Title 13 of the California Code of Regulations which prescribes strict regulations for the safe transportation of hazardous materials. Compliance with the applicable federal and state laws related to the transportation of hazardous materials would reduce the likelihood and severity of accidents during transit.

Operation

The GI designations allow for the assembly of non-hazardous products and materials. Because the exact tenants of the proposed buildings are unknown at this time, there is the potential that hazardous materials such as petroleum products, pesticides, fertilizer, and other household hazardous products may be stored and transported from the proposed facility during operation. However, these hazardous materials would not be manufactured at the Project site and would only be stored short-term before transport. The transportation of hazardous materials can result in accidental spills, leaks, toxic releases, fire, or explosion. Further, it is possible that licensed vendors may bring some hazardous materials to and from the Project site as a result of the

proposed Project. However, appropriate documentation for all hazardous waste that is transported in connection with specific Project-site activities would be provided as required for compliance with existing hazardous materials regulations codified in Titles 8, 22, and 26 of the California Code of Regulations, and their enabling legislation set forth in Chapter 6.95 of the California Health and Safety Code. In addition, future users would be required to comply with all applicable Federal, State, and local laws and regulations pertaining to the transport, use, disposal, handling, and storage of hazardous waste, including but not limited to the United States Department of Transportation Office of Hazardous Materials Safety Title 49 of the Code of Federal Regulations, and implemented by Title 13 of the California Code of Regulations which prescribes strict regulations for the safe transportation of hazardous materials. Compliance with the applicable federal and state laws related to the transportation of hazardous materials would reduce the likelihood and severity of accidents during transit.

Thus, because the proposed Project would be required to comply with all applicable federal and state laws related to the transportation, use, storage and response to upsets or accidents that may involve hazardous materials, it would not create a significant hazard to the public or the environment through the routine transportation, use, or disposal of hazardous materials.

Further, development within the City is subject to regulation and monitoring by the Department of Environmental Health of the Riverside County Community Health Agency as part of the requirements of the California Environmental Protection Agency (GP EIR, p VI-16). Thus, through compliance with all applicable federal, state, regional and local laws, the Project would not result in a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous material. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

b) **Less than significant impact.** As part of the Project, two separate Phase I Environmental Site Assessments (hereinafter referred collectively to as the Phase I ESAs) were prepared by Weis Environmental to cover the entirety of the Project site. The Environmental Site Assessment dated February 12, 2022 and the Environmental Site Assessment dated March 20, 2022, cover the entire Project site and are included as Appendix E.1 and Appendix E.2 of this Initial Study, respectively. The Phase I ESAs were prepared in accordance with the with American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments, Phase I Environmental Site Assessment Process, ASTM Designation E1527-21, and Title 40 of the Code of Federal Regulations (40 CFR) Part 312. The Phase I ESAs evaluated the Project site for potential recognized environmental conditions. As part of the Phase I ESAs, a regulatory database review was conducted, a review of historical resources was conducted, and a site reconnaissance was conducted.

Three properties near the Project site, Interinsurance Exchange of The Automobile Club (775 Harley Knox Boulevard), All American Asphalt (4770 Indian Street), and March Air Force Base are listed in the Federal ASTM and may have the potential to adversely impact the Project site due to current or former releases of hazardous substances and/or petroleum products that occurred at said properties. (WENV-A, pp. 11-12; WENV-B, pp. 12-13.) According to the Phase I ESAs, these three properties, are not likely to have current or former releases of hazardous substances and/or petroleum products with the potential to migrate to the Project site; therefore, these sites are not considered to be significant environmental concerns to the Project site. (WENV-A, pp. 11-13. WENV-B, pp. 12-13.)

A regulatory database records review was conducted and reviewed consistent with ASTM requirements. These ASTM regulatory databases include Federal, State, and Tribal and Local ASTM databases. In addition, other regulatory databases, not required by ASTM, or Non-ASTM regulatory databases, were also reviewed. Except for the previously developed portion of the Project site, the Project site is not listed in any ASTM or Non-ASTM regulatory databases. (WENV-A, pp. 12-13; WENV-B, pp. 13-14.) The previously developed portion of the Project site is listed on three Non-ASTM regulatory databases as Temp Power Systems. These listings occurred because in 2013 the former occupant generated two containers of hazardous waste that contained liquid solvent mixture and organic solids. No references to chlorinated solvents are noted and this business does not appear on databases indicative of releases of hazardous substances or petroleum products to the subsurface. Therefore, the former business and waste generation are not considered recognized environmental conditions in connection with the Project site. (WENV-B, p. 14.) Adjacent and nearby properties were listed in the Federal, State, Tribal, or local ASTM regulatory databases, but due to the orientation, distance, and interpreted direction of groundwater flow and/or other regulatory status information, these properties do not present a recognized environmental condition to the Project site. (WENV-A, pp. 11-15; WENV-B, pp. 12-16.)

A historical resources review was conducted to develop a history of the previous uses of the Project site and the surrounding area order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Project site. The historical resources reviewed include: aerial photographs, topography maps, City directories, and other historical sources. The result of the historical review indicated that the Project site and surrounding area were previously used for agricultural purposes with some structural developments from approximately 1938 to about 2020. (WENV-A, p. 16; WENV-B, p. 17.) During historical agricultural activities throughout the state of California, various pesticides that are now banned from production were used. Based on regulatory and historical research, no accidental spill or release of pesticides occurred at the Project site. The potential of residual agricultural chemicals at the Project site is not a recognized environmental connection with the Project site. (WENV-A, pp. 16, 17; WENV-B, p. 17.)

The pedestrian surveys were conducted on January 12, 2022, and March 17, 2023, and consisted of observing the Project site on foot via transects and walking publicly accessible areas surrounding the Project site. No significant or limiting conditions of the Project site inspection were observed. At the time of the surveys, the western portion and northern portion of the Project site were vacant and undeveloped while the southeastern portion of the site contained an industrial building, that was demolished in September 2023. At the time of the survey, no wastewater treatment devices were observed. There was no evidence of ponding, wells, or ground monitoring wells observed on the Project site. No evidence of stained soil or pavement, chemical storage tanks, stressed vegetation, or unidentified substance containers were observed. The Project site did contain miscellaneous trash and debris such as concrete rubble, landscape waste, abandoned appliances, automobile tires, brick fragments, miscellaneous paper, plastic and glass products and other inert materials. The Project site's current use and adjoining properties are not a recognized environmental condition to the Project site. As such, no environmental hazards were visually or physically observed during the Project site reconnaissance and the Project site is not expected to be a hazard to the public. (WENV-A, pp. 18-19; WENV-B, pp. 19-20.) Therefore, ground disturbance during Project construction is not anticipated to create a significant hazard to the public or environment.

As discussed in *Section 9a* above, there is a potential for hazardous materials and chemicals to be stored at the site for short periods of time prior to transport and distribution which could cause a release. However, the storage and transport of these products would be regulated by Federal, State, and local policies regarding storage and transportation of hazardous waste. The Project site has been screened for any hazardous waste-related activities at the Project site. (WEN-A, p. 19; WEN-B, p. 20.) Any hazardous waste-related activities for any future users at the Project site would be required to comply with all existing hazardous waste regulations. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

c) **No impact.** The proposed Project site is not located within one-quarter mile of an existing or proposed school. The closest school is Val Verde Academy which is approximately 1.4 miles south of the Project site. Thus, the Project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. Therefore, **no impact** would occur. No further analysis of this issue is required.

d) **No impact.** Based on a review of the California Environmental Protection Agency's Cortese List, compiled pursuant to Government Code Section 65962.5, no hazardous materials sites are located within or adjacent to the Project site or the off-site improvement area. Additionally, the Phase I Environmental Site Assessment did not locate active or historical hazardous waste and substances sites within 0.5 mile of the Project site. (WENV-A, WENV-B; Appendix B, p. 7.)

Thus, the Project would not be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would not create a significant hazard to the public or the environment. There would be **no impact.** No further analysis of this issue is required.

e) **Less than significant impact.** The proposed Project site is located just over 5 miles northwest from the Perris Valley Airport and Skydiving Center, a privately owned private use airport (ALUC-A, p. 1-2). The proposed Project site is also located approximately 0.30 mile southeast of March Air Reserve Base/Inland Port Airport (March ARB/IPA) and is within the March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan (March ARB/IPA ALUCP). The March ARB/IPA ALUCP divides the area close to the airport into zones based on proximity to the airport and perceived risks. The majority of Project site is located within the Airport Compatibility B1-APZ1 and Zone B2, with portions of the northwest corner and northeast corner of Project site located within Zone A and Zone C1 respectively, as shown on **Figure 7 – March Air Reserve Base Airport Compatibility/Potential Zones**. Zone B1-APZ1 is located within the inner approach/ departure zone and the risk level from flight operations is high. Zone B2 is located beneath or adjacent to final approach and initial departure corridors or adjacent to runway and the risk level from flight operations is moderate. Zone A is located in the clear zone and the risk level from flight operations is very high. Zone C1 is located beneath or adjacent to low altitude overflight corridors and the risk level from flight operations is moderate.

The proposed warehouse building would be located within B1-APZ1 and Zone B2. The northwest corner of the Project site, within Zone A, would not include any portion of the proposed warehouse building. This area would be landscaped and fenced off. The northeast corner of the Project site, within Zone C1, would include landscaping and an approximately 70 square foot guard shack that would contain a maximum of two people at any given time.

The Project is not required to go through Airport Land Use Commission (ALUC) review and consistency determination because: 1) the City created an Airport Overlay Zone component to the City's land use planning to accommodate development within the City consistent with the land use designations of the March ARB/IPA ALUCP,[5] and 2) there is no legislative action (i.e., general plan amendment, specific plan amendment, or change of zone) required or proposed.

According to the City of Perris General Plan Noise Element, exterior noise levels of up to 70 dBA CNEL are considered to be "Normally Acceptable" for industrial uses based on the assumption that any building is of normal conventional construction without any special noise attenuation requirements. Noise levels between 70 and 80 dBA CNEL are "Conditionally Acceptable" and that new construction or development should be undertaken only after a detailed analysis of noise reduction requirements is made and needed noise insulation features included in design. Conventional construction but with closed windows and fresh air supply systems or air conditioning will normally suffice. The proposed warehouse building would be built using conventional construction techniques with closed windows with air conditioning for the office area.

The City's noise compatibility standards in the Perris Municipal Code Section 19.51.080, prevents the establishment of noise-sensitive land uses such as new residences, schools, libraries, museums, hotels, motels, hospitals, nursing homes, places of worship, in portions of the airport environ that are exposed to significant levels of aircraft noise. The Project site is within Zone B1 and Zone B2 which are within the 65 CNEL aircraft noise contour (ALUC, p. 3). The northwest corner of the Project site is within Zone A, which is an area exposed to high CNEL and single noise levels events (ALUC, p. 3). However, the area within Zone A would only contain landscape. The northeast corner of the Project site is whin Zone C1, which is within a 60-CNEL aircraft noise contour. Since the proposed Project use is not a noise-sensitive land use, the proposed Project would not expose people working in the Project area to excessive noise levels from airport operations.

Regarding the compatibility criteria for safety, land use intensity standards were evaluated based on March ARB/IPA ALUCP Table MA-2. According to the March ARB/IPA Basic Compatibility Criteria, Zone B1-APZ1, has a maximum density requirement of an average of 25 people/acre or 100 people/single acre and has 50 percent open land requirement. Zone B2, and Zone C1 have a maximum density requirement of an average of 100 people/acre or 250 people/single acre and have no open land requirements. Zone A is in the clear zone departure and prohibits people in this zone and prohibits the construction of all non-aeronautical structures. Approximately 13.9 acres of the Project site lies within Zone B1 – APZ I which includes 307,318.5 square feet of warehouse and 5,000 square feet of office space. Approximately 10.89 acres of the Project site lies within Zone B2 which includes 227,390.9 square feet of warehouse and 5,000 square feet of office space. Approximately 0.3 acre of the Project site lies within Zone C1 which includes a proposed 70 square-foot guard shack that would contain a maximum of two people at any given time. Approximately 0.1 acre of the Project site is located within Zone A, however as discussed previously, no development is

[5] On July 14, 2016, The Riverside County Airport Land Use Commission determined that the City's Airport Overlay Zone is consistent with the current March ARB/IPA ALUCP.

proposed within this area. The following analyzes how the proposed Project complies with the density/intensity requirements of the March ARB/IPA ALUCP.

Pursuant to the *Airport Land Use Compatibility Plan Policy Document – Appendix C – Methods for Determining Concentrations of People*, the following usage intensity parameters were used to calculate the occupancy for the proposed Project:

- Warehouse –35% of the usage intensity from 1 person/500 square feet,[6]
- Office – 50% of the usage intensity from 1/person/100 square feet,[7]

Approximately 13.96 acres of the Project site is located within Zone B1-APZI. The warehouse and office portions of the building in Zones B1-APZ1 would be occupied by a total of 17 people per acre[8] which is below the maximum 25 people per acre criterion. Approximately 10.9 acres of the Project site is located within Zone B2. The warehouse and office portions of the building in Zone B2 would be occupied by a total of 17 people per acre[9] which is below the maximum 100 people per acre criterion. The proposed 70-square foot guard shack in Zone C1 could be occupied by a maximum of 4 people per acre,[10] however as stated earlier, the guard shack would be occupied by a maximum of 2 people, which is below the 100 people per acre criterion.

Another measurement required by the March ARB/IPA ALUCP, is a single-acre intensity limit. For Compatibility Zone B1-APZI, the MARP/IPA ALUCP limits the maximum single-acre intensity to 100 people per acre. Compatibility Zone B2 and Zone C1, the MARP/IPA ALUCP limits the maximum single-acre intensity to 250 people per acre. In order to determine if the Project fits within the 100 people per single acre limit for Zone B1-APZI, it was assumed in a worst-case calculation that in a single-acre (43,560 square feet), all the total office and mezzanine space (5,000 square feet) is within the single-acre and the remainder of the acre is warehouse (38,560 square feet of warehouse). This would equate to a total occupancy of 52 people (5,000 square feet of office / 100 square x 50% usage intensity plus 38,560 square feet of warehouse / 500 square feet x 35% usage intensity), which is consistent with the Compatibility Zone B1-APZI single-acre intensity criterion of 100. To determine if the Project fits within the 250 people per single acre limit for Zone B2, it was assumed in a worst-case calculation that in a single-acre

[6] Section 2.4(f)(3) of the March ARB/IPA ALUCP that states that offices within high-cube warehouses, distribution centers, and commerce centers and fulfillment centers, shall be evaluated on the basis of 50% of the usage intensity that results from the occupancy level indicated in Table C1

[7] Appendix C Methods for Determining Concentrations of People.

[8] Based on the rates noted above for warehouse and office uses, approximately 307,319 square feet of warehouse space would equate to 216 people (307,319 square feet/500 square feet/person x 35% usage intensity) and approximately 5,000 square feet of office and space would equate to 25 people (5,000 square feet/100 square fee/person x 50% usage intensity) within the Project site in Zone B2. Therefore, an average of 170 people per acre (25+216)/13.93 acres) would occupy the portion of the Project site within Zone B1-APZI.

[9] Based on the rates noted above for warehouse and office uses, approximately 227,391 square feet of warehouse space would equate to 160 people (227,391 square feet/500 square feet/person x 35% usage intensity) and approximately 5,000 square feet of office and mezzanine space would equate to 25 people (5,000 square feet/100 square fee/person x 50% usage intensity) within the portion of the Project site in Zone B2. Therefore, an average of 17 people per acre (25+160)/10.893 acres) would occupy the portion of the Project site within Zone B2.

[10] Based on the rates noted above for warehouse and office uses, approximately 70 square feet of warehouse space would equate to 4 people (70 square feet/500 square feet/person x 35% usage intensity). Therefore, an average of 4 people per acre (1.0 / 0.28 acres) would occupy the portion of the Project site within Zone C1.

(43,560 square feet), all the total office and mezzanine space (5,000 square feet) is within the single-acre and the remainder of the acre is warehouse (38,560 square feet of warehouse). This would equate to a total occupancy of 52 people (5,000 square feet of office / 100 square x 50% usage intensity plus 38,560 square feet of warehouse / 500 square feet x 35% usage intensity), which is consistent with the Compatibility Zone B2 single-acre intensity criterion of 250. To determine if the Project fits within the 250 people per single acre limit for Zone C1, it was assumed in a worst-case calculation that in a single-acre (43,560 square feet), the guard shack (70 square feet of warehouse) is within the single-acre. This would equate to a total occupancy of 1 person (70 square feet of warehouse / 500 square feet x 35% usage intensity), which is consistent with the Compatibility Zone C1 single-acre intensity criterion of 250. Thus, the proposed Project would comply with the March ARB/IPA ALUCP density requirements.

According to Exhibit MA-5 in the *Background Data: March Air Reserve Base / Inland Port Airport and Environs,* the Project site is within the FAR Part 77 Military Outer Horizontal Surface Limits; therefore, an obstruction evaluation is required and is implemented by PVCCSP EIR mitigation measure **MM Haz 6**.

Zone B2 hazards to flight include physical (e.g., tall objects), visual, and electronic forms of interference with the safety of aircraft operations are prohibited. According to the Perris Municipal Code Chapter 19.51 March ARB/IP Airport Overlay Zone, the proposed Project would not be required to obtain ALUCs approval, since the Project would comply with the airport influence area requirements.

Impacts associated with aircraft activities would be less than significant with implementation of Project-specific mitigation measure **MM AES 1.** Additionally, the proposed Project would be required to comply with PVCCSP EIR mitigation measures **MM Haz 2** through **MM Haz 6** to reduce potential impacts associated with March ARB/IPA operations. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

> **MM Haz 2**: Prior to the recordation of a final map, issuance of a building permit, or conveyance to an entity exempt from the Subdivision Map Act, whichever occurs first, the landowner shall convey an avigation easement to the March ARB/March Inland Port Airport Authority.
>
> **MM Haz 3**: Any outdoor lighting installed shall be hooded or shielded to prevent either the spillage of lumens or reflection into the sky or above the horizontal plane.
>
> **MM Haz 4**: The following notice shall be provided to all potential purchasers and tenants:
>
> > "This property is presently located in the vicinity of an airport, within what is known as an airport influence area. For that reason, the property may be subject to some of the annoyances or inconveniences associated with proximity to airport operations (for example, noise, vibration, or odors). Individual sensitivities to those annoyances can vary from person to person. You may wish to consider what airport annoyances, if any, are associated with the property before you complete your purchase and determine whether they are acceptable to you. Business & Profession Code 11010 13(A)."

MM Haz 5: The following uses shall be prohibited:

a. Any use which would direct a steady light or flashing light of red, white, green, or amber colors associated with airport operations toward an aircraft engaged in an initial straight climb following takeoff or toward an aircraft engaged in a straight final approach toward a landing at an airport, other than an FAA-approved navigational signal light or visual approach slope indicator.

b. Any use which would cause sunlight to be reflected towards an aircraft engaged in an initial straight climb following takeoff or towards an aircraft engaged in a straight final approach towards a landing at an airport.

c. Any use which would generate smoke or water vapor or which would attract large concentrations of birds, or which may otherwise affect safe air navigation within the area.

d. Any use which would generate electrical interference that may be detrimental to the operation of aircraft and/or aircraft instrumentation.

e. All retention and water quality basins shall be designed to dewater within 48 hours of a rainfall event.

MM Haz 6: A minimum of 45 days prior to submittal of an application for a building permit for an implementing development project, the implementing development project applicant shall consult with the City of Perris Planning Department in order to determine whether any implementing project-related vertical structures or construction equipment would encroach into the 100-to-1 imaginary surface surrounding March ARB. If it is determined that there would be an encroachment into the 100-to-1 imaginary surface, the implementing development project applicant shall file a FAA Form 7460-1, Notice of Proposed Construction or Alteration. If FAA determines that the implementing development project would potentially be an obstruction unless reduced to a specified height, the implementing development project applicant and the Perris Planning Division would work with FAA to resolve any adverse effects on aeronautical operations.

f) **Less than significant impact.** The Project site is located along Harley Knox Boulevard and Perris Boulevard which have both been identified as Evacuation Routes in the City of Perris General Plan (GP SE, p. 11). These roadways are identified as potential evacuations routes due to their connectivity to other major highways and roadways within Riverside County (GP SE, p. 10.) The City of Perris participates in the County of Riverside Multi-Jurisdictional Local Hazard Mitigation Plan which outlines requirements for emergency access and standards for emergency responses. The PVCCSP Initial Study determined that because emergency access would be maintained and improved throughout the PVCC area in accordance with the Local Hazard Mitigation Plan, development within the PVCC area would not interfere with adopted emergency response plans. (PVCCSP IS, p 15.)

It is anticipated that all local roadways would remain open during Project site construction and operation. Hence, the Project would not result in closures of local roadways that may have an effect on emergency access in the vicinity of the Project site. Further, construction activities occurring within the Project site would comply with all conditions, including grading permit conditions regarding fire access, and would not restrict access for emergency vehicles responding to incidents on the site or in the surrounding area. In the event improvements along

Harley Knox Boulevard and Indian Avenue would require temporary closure of a travel lane, a Traffic Control Plan, pursuant to the requirements of the City's Engineering Department, would be prepared as part of final design and approved by the City's Engineering Department prior to any lane closure. Implementation of the Traffic Control Plan would provide a means of access for emergency vehicles to minimize potential impacts associated with emergency response. Thus, the Project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

g) **No impact.** The proposed Project site is not located adjacent to any wildlands or any undeveloped hillsides where wildland fires might be expected to occur. (GE SE, p. 19.) Also, according to the City of Perris General Plan Safety Element, the Project area is not located within a "Very High Fire Hazard Severity Zone." (GP SE, p. 19.) No wildlands are located within the Project site and the Project site is surrounded by developed properties, paved roads, and maintained vacant sites. Furthermore, the Project site does not contain natural features that would exacerbate wildland fire risk. Accordingly, implementation of the Project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires. Therefore, no direct or indirect significant risk of loss, injury or death involving wildland fires are anticipated and **no impact** would occur**.** No further analysis of this issue is required.

6.10 Hydrology and Water Quality	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or ground water quality?	☐	☐	☒	☐
b) Substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin)?	☐	☐	☒	☐
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces in a manner which would:				
(i) result in substantial erosion or siltation onsite or offsite;	☐	☐	☒	☐
(ii) substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or offsite;	☐	☐	☒	☐
(iii) create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or	☐	☐	☒	☐
(iv) impede or redirect flood flows?	☐	☐	☒	☐
d) In flood hazard, tsunami, or seiche zones, risk release of pollutants due to project inundation?	☐	☐	☒	☐
e) Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?	☐	☐	☒	☐

References: DWR, FEMA, GE, GP SE, GP EIR, GSP, GSP Determination, PVCCSP EIR, SWRCB, USGS, TEI-A, TEI-B

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

The PVCCSP includes Standards and Guidelines relevant to water quality and hydrology. These Standards and Guidelines are summarized below, are incorporated as part of the proposed Project, and are assumed in the analysis presented in this section.

No mitigation measures for hydrology and water quality are included in the PVCCS EIR.

On-Site Design Standards and Guidelines (from Chapter 4.0 of the PVCCSP)

4.2 On-Site Standards and Guidelines

4.2.2 Site Layout for Commerce Zones

4.2.2.7 Water Quality Site Design

General Standards. Refer to NPDES Permit Board Order R8-2010-0033 for complete and current information on water quality management standards.

Water Quality Management Plan. Most developments are required to implement a Water Quality Management Plan (WQMP) in accordance with the most recently adopted Riverside County MS4 NPDES Permit. The MS4 Permit requires that applicable new development and redevelopment projects implement the following:

- Design the site to minimize imperviousness, detain runoff, and infiltrate, reuse or evapotranspirate runoff where feasible.
- Cover or control sources of stormwater pollutants.
- Use LID to infiltrate, evapotranspirate, harvest and use, or treat runoff from impervious surfaces.
- Ensure runoff does not create a hydrologic condition of concern.
- Maintain Stormwater BMPs.

Low Impact Design. According to the State Water Resources Control Board, Low Impact Design (LID) is "a sustainable practice that benefits water supply and contributes to water quality protection. The goal of LID is to mimic a site's predevelopment hydrology. The seven mandatory BMP types to be implemented on project sites:

- Infiltration Basins
- Infiltration Trenches
- Permeable Pavement
- Harvest and Reuse
- Bioretention Facilities
- Extended Detention Basins
- Sand Filter Basins

The NPDES permit requires that the design capture volume be first infiltrated, evapotranspirated, or harvested and reused. When sure retention methods are infeasible, the remainder of the volume can be biotreated. The steps to this approach include:

- Optimize the Site Layout
- Preserve existing drainage patterns
- Protection of existing vegetation and sensitive areas
- Preserve natural infiltration capacity

- Minimize impervious area
- Disperse runoff to adjacent pervious areas
- Delineate drainage management areas
- Classify and Tabulate DMAs and determine runoff factors for
    - Self-treating areas
    - Self-retaining areas
    - Areas draining to self-retaining areas
    - Areas draining to BMPs

Source Control. Source control features are also required to be implemented for each project as part of the Final WQMP. Source control features include permanent (structural) or operational and are those measures which can be taken to eliminate the presence of pollutants through prevention. Steps to selecting Source Control BMPs include:

- Specify source control BMPs
- Identify pollutant sources
- Note locations on project specific WQMP exhibit
- Prepare a table and narrative
- Identify operational source control BMPs

BMP Features in “Visibility Zone”. Treatment control BMPs adjacent to the public right-of-way must drain properly to adequate storm drain facilities. If no storm drain is available, alternative drainage shall be proposed for approval by City Engineer. Treatment control BMPs are not to be placed within public right-of-way.

Open Jointed Surfaces for Sidewalks. Interlocking pavers, porous pavement and pervious concrete or other surfaces.

Open Jointed Surfaces in Low Traffic Areas. Open jointed surfaces or porous concrete in low-traffic areas of parking lots and for patios and sidewalks.

Filter Strips. Vegetated areas consisting of grass turf or other low lying, thick vegetation intended to treat sheet flow from adjacent impervious areas shall be considered for use adjacent to parking lots, sidewalks, and roads.

Filter Strip Adjoining Impervious Surfaces. Filter strips should adjoin impervious surfaces where feasible.

Roof Runoff Discharge into Landscape Area. Discharge to landscaped areas adjacent to the buildings.

Second Treatment of Roof Water. If roof runoff cannot be conveyed without mixing with on-site untreated runoff, the roof runoff will require a second treatment.

Covered Trash Enclosures. Trash enclosures covers must be provided.

Industrial Design Standards and Guidelines (from Chapter 8.0 of the PVCCSP)

8.2 Industrial Development Standards and Guidelines

8.2.1 Industrial Site Layout

8.2.1.8 Water Quality Site Design

Runoff from Loading Docks. Runoff from loading docks must be treated for pollutants of concern prior to discharge from the site.

Truck wells. Truck-wells are discouraged due to potential clogging of sump condition storm drain inlets. If used, run-off needs to run through landscape before discharging from site.

Explanation of Checklist Answers

a) **Less than significant impact.** The Santa Ana Regional Water Quality Control Board (Regional Water Board) sets water quality standards for all ground and surface waters within the Santa Ana River Watershed, which includes the City of Perris. Water quality standards are defined under the federal Clean Water Act to include both the beneficial uses of specific water bodies and the levels of water quality that must be met and maintained to protect those uses (water quality objectives). The proposed Project site is located within the Santa Ana River Watershed and San Jacinto River Sub-Watershed, and within the jurisdiction of the Santa Ana Regional Water Board. Runoff from the PVCCSP area discharges into the PVSD, which is tributary to the San Jacinto River, Canyon Lake, and Lake Elsinore. Canyon Lake is currently listed as an impaired waterbody on the Clean Water Act Section 303(d) List because it exceeds water quality objectives for nutrients and pathogens. Lake Elsinore is listed as an impaired waterbody due to nutrients, organic enrichment/low dissolved oxygen, PCBs, sediment toxicity, and unknown toxicity.

Activities associated with the construction of the proposed Project would have the potential to result in discharges from soil disturbances that could violate water quality standards if not adequately addressed. would include grading, which may have the potential to release pollutants (e.g., oil from construction equipment, cleaning solvents, paint) and sediment off-site which could impact downstream water quality. The Project would be required to comply with the NPDES Statewide General Construction Permit (NPDES General Permit No. CAS000002, Waste Discharge Requirements, Order WQ. 2022-0057-DWQ, adopted September 8, 2022 and effective as of September 1, 2023) issued by the State Water Resources Control Board for construction projects. Compliance with this permit requires preparation of an effective SWPPP, which describes erosion and sediment control BMPs to prevent stormwater pollution during construction. The SWPPP must be prepared by a Qualified SWPPP Developer and implemented onsite by a Qualified SWPPP Practitioner. (CGP, pp. 32-33.) Through compliance with the regulatory requirements of the NPDES State General Construction Permit, potential construction-related water quality impacts would be less than significant.

Post-construction operations of the proposed Project would also have the potential to discharge pollutants that could violate water quality standards of downstream waterbodies. Paved areas and streets would collect dust, soil and other impurities (such as metals, nutrients, bacteria, sediments, trash and debris, and oil and grease) that could be assimilated into surface runoff during rainfall events. These pollutants, if not treated prior to entering the municipal storm

system, may potentially impact water quality. Onsite runoff would be collected by two onsite storm drains and conveyed to an underground detention chamber, Storm Tech MC-3500, which would outflow to the onsite bio-treatment unit, Bio Clean Modular Wetlands Systems for treatment. (TEI-B, p. 7.) The proposed Modular Wetlands Systems water treatment device has a medium to high removal efficiency for metals, trash, debris, total suspended solids, and oil and grease, which are the pollutants associated with industrial development, prior to discharging into the PVSD Lateral B. (TEI-B, p. 21.) Runoff from landscaping along the northwesterly and northeasterly corner of the Project site and southerly side of the building would sheet flow offsite without being routed to the proposed chambers or bio treatment units. Because these landscaped areas are considered self-treating areas, no additional treatment is required. (TEI-B, p. 7.)

Because the Project would be developed consistent with an approved Watershed Action Plan that addresses Hydrologic Conditions of Concern in receiving water and the Project site is within a Riverside Flood Control and Water Conservation District mapped Hydrologic Conditions of Concern Exemption area, Hydrologic Conditions of Concern criteria is considered mitigated. (TEI-A, p. 23 and Appendix 7.) Therefore, stormwater treatment methods have been sized to handle and treat just the design capture volume.

According to the Preliminary WQMP, the detention chambers (Storm Tech MC-3500) and bio-treatment units (Bio Clean Modular Wetlands Systems) have a treatment capacity greater than the required design capture volume. (TEI A, pp. 7, 21.) Larger, high-flow, runoff (e.g. 100-Year storm event) would bypass the detention chambers and the bio treatment units and would be routed to the discharge point, located at the at the north end of the Project site. Pursuant to PVCCSP EIR mitigation measure **MM Haz 5**, all retention and water quality basins shall be designed to drawdown within 48 hours of a rainfall event. The Preliminary WQMP has been submitted to the City Public Works Department for review. Prior to issuance of a grading or building permit, a Final WQMP would be required for the Project.

The proposed Project would also implement source control and operational BMPs such as designing landscape to minimize irrigation, runoff, and the use of fertilizers, maintaining landscaping using minimal or no pesticides, utilizing covered and leak proof trash dumpsters, sweeping and litter control of loading areas, and collecting wash water containing any cleaning agent or degreaser in order to prevent pollutants from entering runoff.

The proposed Project incorporates site design, source control and treatment control BMPs to address storm water runoff generated onsite. Thus, through BMPs combined with compliance with existing regulations, the proposed Project would not violate water quality standards, waste discharge requirements, or otherwise degrade surface or ground water quality. Therefore, potential impacts would be **less than significant**. No further analysis of this issue is required.

b) **Less than significant impact.** The City of Perris is located within the San Jacinto River Watershed, which drains an approximately 540-square-mile area of western Riverside County. The San Jacinto River flows from the San Jacinto Mountains, across the San Jacinto Valley, through the City of Perris, to Railroad Canyon Reservoir, and finally to its terminus in Lake Elsinore, southwest of Perris. The Santa Ana River Water Quality Control Plan divides the San Jacinto Watershed into 14 groundwater subbasins. The City of Perris lies above Perris South I, Perris South II, and Perris South III sub-basins. The Santa Ana Watershed Project Authority's

combines these three sub-basins into two groundwater management zones, referred to as Perris North and Perris South. (GP EIR, pp. IV-48 to IV-49). The Project site is located within the Perris North Groundwater Management Zone. No further analysis of this issue is required.

All three groundwater sub-basins are listed for municipal and agricultural beneficial uses. Water quality objectives have only been established for total dissolved solids for each of the three sub-basins. Groundwater quality in the Perris sub-basin is generally of poor quality due to high concentrations of total dissolved solids and nutrients resulting from past and present agricultural runoff. Due to high total dissolved solids and nutrient levels, groundwater is no longer used for domestic purposes and only partially used to meet agricultural demand. The Eastern Municipal Water District (EMWD), which serves the Perris area, supplements agricultural needs with low total dissolved solids water imported from the State Water Project. (GP EIR, pp. IV-48 to IV-50).

The Project site does not contain groundwater recharge facilities or groundwater production wells. Implementation of the proposed Project would increase the amount of impervious surfaces within the EMWD's service area and may have the potential to impact the amount of water which percolates back into the local groundwater basin. Although the amount of impervious surface would increase due to Project construction, the area of the Project site is negligible compared to the groundwater basin. Further, groundwater from this groundwater management zones is not utilized for domestic purposes and would not be required as part of any agricultural land use. As such, the proposed Project would not directly cause an increase in groundwater pumping or substantially deplete groundwater supplies. Thus, the proposed Project would not substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin. Therefore, this potential impact would be **less than significant.** No further analysis of this issue is required.

c.i) **Less than significant impact.** There are no streams or rivers currently mapped at the Project site (USGS). As such, the Project would not alter an existing stream or river. The Project site is relatively flat, with the western portion of the Project site drains southerly to storm drains in Harley Knox Boulevard and the easterly portion of the Project site drains easterly towards storm drains in Indian Avenue which ultimately discharge into PVSD Lateral B. (TEI-B, p. 7.)

Development of the proposed Project would integrate catch basins and underground storage chambers that would convey flows to the Bio Clean Modular Wetlands Systems for water quality treatment prior to being discharged to the PVSD Lateral B. (TEI-B, p. 7.) Runoff from landscaping along the northwesterly and northeasterly corners of the site, and along the southerly side of the building would surface flow offsite as these areas are considered self-treating areas. (TEI-B, p. 7.)

There is potential for erosion and siltation to occur on- and off-site from construction of the Project. As described in *Section 6.10a* above, a SWPPP will be implemented to minimize to the extent practicable any non-stormwater discharges resulting from construction activities. The WQMP for the Project would include biotreatment for the water quality volume of stormwater generated onsite during the operational phase of the Project. Biotreatment has a high removal effectiveness for sediment. All onsite flows would be conveyed in underground pipes to ultimately discharge into the PVSD and are therefore unlikely to cause erosion. With implementation of the biotreatment system to treat onsite flows, downstream siltation is also

unlikely to result from the Project. As such, the proposed Project would not substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces in a manner which may potentially result in substantial erosion or siltation on or offsite. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

c.ii) **Less than significant impact.** As described in *Section 6.10 c(i)* above, the Project site is relatively flat, with the western portion of the Project site draining southerly to storm drains in Harley Knox Boulevard and the easterly portion of the Project site draining easterly towards storm drains in Indian Avenue. Both these storm drains ultimately discharge into PVSD Lateral B. (TEI-B, p. 7.) There are no streams or rivers currently mapped within the Project site. (USGS) The Project would add roughly 21.9 acres of new impervious surfaces to the site (i.e., 953,964 square feet of roof and hardscape). (TEI-B, p. 11).

With the addition of new impervious surfaces, stormwater runoff across the site would flow at a faster rate and would have the potential to result in flooding on- or offsite. However, the Project includes new drainage facilities to convey onsite flows into new onsite storm drain systems that are sized to sufficiently to drain the Project site such that it would not result in flooding. (TEI-A, pp. 3-4). All flows from the Project ultimately discharge into the PVSD Lateral B, which is a regional drainage facility sized to handle the runoff from development in the PVMDP area including additional flows from the Project. Therefore, the proposed Project would not substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces in a manner which would substantially increase the rate or amount of surface runoff in a manner which would result in flooding on or offsite. Therefore, potential impacts would be **less than significant**. No further analysis of this issue is required.

c.iii) **Less than significant impact.** As described in *Section 6.10 c(ii)* above, the Project site is relatively flat, with the western portion of the Project site draining southerly to storm drains in Harley Knox Boulevard and the easterly portion of the Project site draining easterly towards storm drains in Indian Avenue, both of which ultimately discharge into PVSD Lateral B. (TEI-B, p. 7.) There are no drainage features such as streams or rivers currently mapped or present within the Project site. (USGS.) The Project would add roughly 21.9 acres of new impervious surfaces to the site (i.e., 953,964 square feet of roof and hardscape). (TEI-B, p. 11.)

As described in the Project Drainage Study and WQMP, with the addition of new impervious surfaces, the amount of runoff generated on the Project site would increase; however, the proposed Project would include onsite drainage improvements designed to accommodate these flows. All onsite flows will be conveyed to the proposed outfall structure then flows would discharge into the PVSD Lateral B. which is a regional drainage facility sized to handle the runoff from development in the PVMDP area including additional flows from the Project. Before runoff is discharged, to the PVSD Lateral B, it would be treated. As discussed in *Section 6.10 a*, the proposed Modular Wetlands Systems water treatment device would remove metals, trash, debris, total suspended solids, oil and grease prior to discharging into the PVSD Lateral B. (TEI-A, p. 21.) Runoff from landscaping along the northwesterly and northeasterly corner of the Project site and southerly side of the building would sheet flow offsite without being routed to the proposed chambers or bio treatment units; however, these landscaped areas are considered self-treating areas. (TEI-A, p. 7.) Pursuant to the statewide construction general permit, the Project would be required to implement an effective SWPPP for the control and minimization of

non-stormwater runoff that could adversely affect downstream waterbodies during construction. Construction of the Project is not expected to be significantly different or unique than a typical construction site. As such, standard BMPs, such as gravel bags, silt fencing, and fiber rolls, are anticipated to be adequate for the Project.

Thus, the proposed Project would not substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces in a manner which would substantially create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff. Therefore, potential impacts would be **less than significant**. No further analysis of this issue is required.

c.iv) **Less than significant impact**. According to the Flood Insurance Rate Map prepared by the Federal Emergency Management Agency (FEMA) (Panel No. 06065C1430H, effective Aug. 18, 2014), the western portion of the Project site is located in unshaded "Zone X – Other Flood Areas" and the easter portion of the Project site is located in "Zone D – Area of Undetermined Flood Hazard." Areas mapped as unshaded Zone X are areas determined to be outside the 500-year floodplain or areas with a 0.2 percent chance of annual flooding. Areas mapped Zone D are areas in which flood hazards are undetermined. (FEMA-2023, p. 449.) This means that flooding within Zone D is possible. Although flooding is possible within both Zone X or Zone D, neither of these zones are defined as special flood hazard areas by FEMA. (FEMA-2023, pp. 449–450.) Once constructed, the Project site would continue to drain to the existing storm drains along Harley Knox Boulevard and Indian Avenue, which ultimately conveys flows to the PVSD Lateral B which. (TEI-B, p. 2.) Thus, the proposed Project would not substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or through the addition of impervious surfaces in a manner which may impede or redirect flood flows. Therefore, potential impacts would be **less than significant**. No further analysis of this issue is required.

d) **Less than significant impact.** As discussed in *Section 6.10 c(iv)* above, no portion of the Project site is located within a FEMA mapped Special Flood Hazard Zone and, therefore, would not risk release of pollutants as a result of inundation of the Project site due to a flood. Additionally, the Project is not anticipated to store hazardous materials onsite so the risk of releasing pollutants due to Project inundation is low.

Tsunamis are a type of earthquake-induced flooding that is produced by large-scale sudden disturbances of the sea floor and can result in an increased wave height and a destructive wave surge into low-lying coastal areas. Because tsunamis occur in coastal areas and the project is located approximately 39 miles southeast of the Pacific Ocean, inundation due to tsunami is unlikely (GE). The Project is not located within an identified tsunami zone.

A seiche occurs when a wave oscillates in lakes, bays, gulfs, or other enclosed bodies of water including water tanks due to seismic disturbances. According to the California Dam Breach Inundation Maps prepared by the state Department of Water Resources, Division of Safety of Dams, the only portion of the Project site within the Dam Inundation Zone for the Lake Perris Dam is a portion of the offsite area along Indian Avenue and Harley Knox Boulevard. The onsite portion of the Project site upon which the proposed warehouse would be constructed is outside of the Dam Inundation Zone. (DSOD.)

As such, the Project is not anticipated to result in the release of pollutants due to project inundation from flood, tsunami, or seiche. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

e) **Less than significant impact.** Substantial regulation currently exists that addresses stormwater runoff and keeping non-stormwater pollutants out of receiving waters, including the statewide construction general permit (i.e. SWPPP) and the Municipal Separate Storm Water Sewer System (MS4) Permit (i.e. WQMP). The Project would be conditioned to comply with these regulations as described in *Section 10a* above. Through compliance with said regulations, the Project would be consistent with the Santa Ana Regional Water Board Water Quality Control Plan. The Project is a planned component of an approved Specific Plan, underlain by soils with poor infiltration. Additionally, the Project site is located within the boundary of the West San Jacinto Groundwater Sustainability Agency which has prepared a Groundwater Sustainability Plan for the San Jacinto Groundwater Basin. The Groundwater Sustainability Plan has been approved by the Department of Water Resources on April 27, 2023. (GSP Determination.) The Project site is not a designated groundwater production or recharge site and is not slated to become one in the future. Therefore, development of the Project would not conflict or obstruct the intent of the Groundwater Sustainability Plan to manage groundwater resources in a way that facilitates long-term sustainable use of groundwater in the San Jacinto Groundwater Basin. (GSP, p. 3-1.) Through implementation of existing regulations related to water quality and groundwater management, the Project would not conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

6.11 Land Use and Planning	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Cause a significant environmental impact due to a conflict with any applicable land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?	☒	☐	☐	☐

References: Project Description. PVCCSP

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

PVCCSP Standards and Guidelines applicable to individual environmental topics (e.g., air quality, cultural, and paleontological resources) have been identified in each individual section of the PVCCSP EIR. The PVCCSP and PVCCSP EIR do not include Standards and Guidelines or mitigation measures specifically related to land use and planning.

Explanation of Checklist Answers

a) **No impact.** The proposed Project site is vacant and undeveloped. The Project site area includes industrial uses to the north, south, and east of the Project site and vacant land zoned for industrial uses to the west of the Project site. The planned land uses in the vicinity of the proposed Project site have PVCCSP land use designations of General Industrial. Rather than dividing a community, the PVCCSP intends to bring the area together as a unified neighborhood for higher quality business development including industrial, commercial, and office uses. (PVCCSP, pp. 1.0-1–1.0-2.) Therefore, the proposed Project would be consistent with the surrounding land uses and **no impact** would occur with regard to the division of an established community. No further analysis of this issue is required.

b) **Potentially significant impact.** The proposed Project site is located within the City and within the PVCC area. Thus, land use is guided by both the City of Perris General Plan and the PVCCSP. The proposed Project includes a warehouse/distribution facility, which would be consistent with the PVCCSP General Industrial (GI) land use designation. Inconsistency with an applicable policy from the City of Perris General Plan, the PVCCSP, and Connect SoCal - the Southern California Associated Governments (SCAG) Regional Transportation Plan/Sustainable Communities Strategy that have been adopted for the purpose of avoiding or mitigating an environmental effect could result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

6.12 Mineral Resources	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

References: GP EIR, COR GP EIR

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no Standards and Guidelines or mitigation measures related to mineral resources included in the PVCCSP or associated PVCCSP EIR.

Explanation of Checklist Answers

a) **No impact.** The City of Perris General Plan EIR notes that land within the City are either designated Mineral Resource Zone Three (MRZ-3) or Mineral Resource Zone Four (MRZ-4), as defined by the California Department of Conservation. (GP EIR, p. VI-28.) The proposed Project site is located within Mineral Resource Zone Three (MRZ-3), as classified by the State Mining and Geology Board (COR GP EIR, Figure OS-6). Within MRZ-3, available geologic information suggests that mineral deposits exist, or are likely to exist; however, the significance of the deposit is unknown. (GP EIR, VI-28.) Due to the existing developments in proximity to the Project site, it is unlikely that a mining operation could feasibly function if significant resources were discovered in the future. Thus, the Project would not result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state. Therefore, **no impact** would occur. No further analysis of this issue is required.

b) **No impact.** No sites have been designated as locally-important mineral resource recovery sites on any local plan (GP EIR, p. VI-28). Therefore, **no impact** would occur. No further analysis of this issue is required.

6.13 Noise	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project result in:				
a) Generation of substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☒	☐	☐	☐
b) Generation of excessive groundborne vibration or groundborne noise levels?	☒	☐	☐	☐
c) For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☒	☐	☐	☐

References: Project Description, ALUC-B

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

The PVCCSP includes Standards and Guidelines applicable to the Project in terms of airport noise impacts. These Standards and Guidelines summarized below.

Airport Overlay Zone (from Chapter 12.0 of the PVCCSP)

- All building office areas shall be constructed with appropriate sound mitigation measures as determined by an acoustical engineer or architect to insure appropriate sound levels.

The Project would also be required to comply with PVCCSP EIR mitigation measures **MM Noise 1** through **MM Noise 4** to reduce potential noise impacts during construction.

Explanation of Checklist Answers

a) **Potentially significant impact.** Construction and operation of the proposed Project may generate a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies. Therefore, the Project may result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

b) **Potentially significant impact.** During construction and operation activities, the Project may generate excessive groundborne vibration or groundborne noise levels. Therefore, the Project may result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

c) **Potentially significant impact.** As identified in *Section 6.9(e)* above, the proposed Project site is located approximately 5 miles northwest of the Perris Valley Airport and Skydiving Center, a private airport, and approximately 0.30 mile southeast of March ARB/IPA. The Project site is located within the March ARB/IPA ALUCP Zone A, Zone B1, and Zone B2 where portions of the Project site may be exposed to noise impacts from March ARB/IPA. Therefore, the Project may result in a **potentially significant impact**. This topic will be further analyzed and addressed in a forthcoming EIR.

6.14 Population and Housing	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through the extension of roads or other infrastructure)?	☐	☐	☒	☐
b) Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

References: COR GP EIR-A, DOF-A, SCAG

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no Standards and Guidelines or mitigation measures related to population and housing resources included in the PVCCSP or associated PVCCSP EIR.

Explanation of Checklist Answers

a) **Less than significant impact.** In 2022, the City's population was approximately 80,263 residents (DOF-A). The Southern California Association of Governments (SCAG) estimates that the population of Perris is expected to increase to about 116,700 by the year 2040 (SCAG, p. 27). However, the proposed Project does not involve construction of any new homes and would not contribute to a direct increase in the City's population. The proposed Project may indirectly contribute to population growth within the City by creating jobs both during construction and operation. Project is projected to create approximately 542 jobs.[11] (COR GP EIR-A, p. 3). However, it is anticipated that the majority of new jobs would be filled by workers who already reside in the Project vicinity and that the Project would not attract a significant amount of new residents to the City.

The creation of jobs and necessary infrastructure to support the land uses proposed in the PVCCSP were already addressed and analyzed in the previous PVCCSP EIR. Therefore, construction and operation of the proposed Project would not significantly induce substantial unplanned population growth either directly or indirectly. Thus, implementation of the proposed Project would not substantially introduce unplanned population growth in an area, either directly or indirectly. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

b) **No impact.** The Project site is currently. Hence, no housing units would be displaced as a result of Project construction. Moreover, the PVCCSP land use designation for the Project site is

11. Based on employment projection factor of 1,030 employees per square foot for Light Industrial Uses and 600 employees per square foot for business Park/Professional Office.
(539,786 square feet / 1030 employees per square foot + 10,000/600= 542 employees)

General Industrial. As such, this area is not intended to provide housing within the City. Therefore, the Project would not displace substantial numbers of existing people. Therefore, **no impact** would occur**.** No further analysis of this issue is required.

6.15 Public Services	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the public services:				
a) Fire protection?	☐	☐	☒	☐
b) Police protection	☐	☐	☒	☐
c) Schools?	☐	☐	☒	☐
d) Parks?	☐	☐	☒	☐
e) Other public facilities?	☐	☐	☒	☐

References: ACFR, GP SE, CIP 2023,PMC, GP EIR, VVUSD, PVCCSP IS

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no PVCCSP EIR mitigation measures related to public services. The PVCCSP Standards and Guidelines relevant to the analysis of impacts to public services summarized below are incorporated as part of the proposed Project and assumed in the analysis presented in this section.

On-Site Design Standards and Guidelines (from Chapter 4.0 of the PVCCSP)

4.2.1 Crime Prevention Measures

Development projects should take precautions by installing on-site security measures...Security and safety of future users of facilities constructed within the Perris Valley Commerce Center Specific Plan should be considered in the design concepts for each individual development proposal such as:

- Sensored lights that automatically operate at night.
- Installation of building alarm, fire systems, and video surveillance.
- Special lighting to improve visibility of the address.
- Graffiti prevention measures such as vines on wall and anti-graffiti covering.
- Downward lighting through development site.

Off-Site Design Standards and Guidelines (from Chapter 5.0 of the PVCCSP)

5.4 Off-Site Infrastructure Standards

All water facilities shall be sized to provide adequate fire protection per the requirements of the City of Perris Building and Safety Department.

Explanation of Checklist Answers

a) **Less than significant impact.** The City provides fire protection by contract with the Riverside County Fire Department. Under the Riverside County Fire Department, the City receives services from five (5) fire stations, which ensure adequate coverage and timely response to all parts of the City. (GP SE, p. 21.) The fire station closest to the Project site is the North Perris Fire Station No. 90 is located at 333 Placentia Avenue, approximately 2.6 miles southeast of the proposed Project site. (GE, GP SE, p. 21). Due to its proximity to Fire Station 90, is expected to provide the first response to the proposed Project. Perris Municipal Code (PMC) Section 19.68.020 – Development Impact Fees (DIF), establishes a developer impact fee to mitigate the cost of public facilities needed to offset the impact of developing new facilities to support fire services. Thus, compliance with PMC Section 19.68.020 through payment of DIF would offset potential impacts to the local fire department. Thus, implementation of the Project would not result in substantial physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities; the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for fire protection. Therefore, the Project would result in a **less than significant impact.** No further analysis of this issue is required.

b) **Less than significant impact.** The City provides police protection through a contract with the Riverside County Sheriff's Office (GP SE, p. 10.) The Perris police station is located at 137 North Perris Boulevard, approximately 4.8 miles south of the Project site. As stated in *Section 6.14(a),* PMC Section 19.68.020 – Development Impact Fees, establishes DIF to mitigate the cost of public facilities to serve new development. As such, through compliance with PMC Section 19.68.020, payment of DIF would offset potential impacts to the local police department. Thus, the Project would not result in substantial physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities; the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for police protection. Therefore, the Project would result in a **less than significant impact.** No further analysis of this issue is required.

c) **Less than significant impact.** The proposed Project site is located within the boundaries of the Val Verde Unified School District (VVUSD). The VVUSD consists of twenty-two (22) schools serving over 20,000 students from preschool through high school. There are 4 high schools, 4 middle schools, 12 elementary schools, 1 preschool, 1 virtual/SSA, and 1 adult school. The district boundary is bisected by Interstate-215 and generally extends from Van Buren Boulevard on the north to Orange Avenue on the south, and Gavilan Road on the west to Lake Perris on the east. The district serves students from the Cities of Perris and Moreno Valley, as well as the unincorporated area of Mead Valley.

The proposed Project would not directly create a source of school-aged children, as the Project does not propose any residential land uses. It may indirectly affect schools by providing a source of employment that may draw new residents into the area. However, potential impacts to

VVUSD facilities would be offset through the payment of impact fees to the VVUSD prior to the issuance of a building permit. This fee is subject to change and the applicable fees, at time of building permit issuance would offset potential impacts to the local schools. Thus, the Project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for schools. Therefore, the Project would result in a **less than significant impact.** No further analysis of this issue is required.

d) **Less than significant impact.** The proposed Project would not directly require the construction or expansion of public recreational facilities as it does not propose new residential uses. However, it may indirectly affect public recreational facilities by providing a source of employment that may draw new residents into the area. However, as mentioned in *Section 6.15(a)*, the Project would be required to comply with PMC Section 19.68.020 – Development Impact Fees, which requires the payment of appropriate developer impact fees to offset potential impacts to park facilities. Thus, the Project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for parks. Therefore, the Project would result in a **less than significant impact.** No further analysis of this issue is required.

e) **Less than significant impact.** The proposed Project would not directly increase the demand for library or other public services because it does not propose new residential uses. The City of Perris contracts with the Riverside County Public Library System to provide library services at Perris Branch Library located at 163 E. San Jacinto Boulevard, approximately 4.9 miles southeast of the proposed Project site (GE, GP EIR, p. IV-107). As mentioned in *Section 6.15(a)* above, the Project would be required to comply with PMC Section 19.68.020 – Development Impact Fees, which requires the payment of appropriate developer impact fees that would be used to construct new library facilities or expand existing library facility subsequent to increase demand. Hence, development of the proposed Project would not result in the construction of new or expanded library facilities. The nearest emergency medical service available to the proposed Project area is the Kaiser Permanente in Moreno Valley, approximately 3.9 miles northeast of the Project site. Healthcare facilities are developed in response to perceived market demand by free enterprise (GP EIR, p. IV-93). Hence, development of the proposed Project would not result in the construction of new or expanded medical facilities.

The City's Five-year Capital Improvement Program (CIP) that gets adopted annually, has committed approximately 33 million in funding for transportation, parks, community facilities, and other projects. (ACFR, p. iv). The CIP program includes the Annual Slurry Seal and Street and Grind Overlay Program funded by Road Maintenance and Rehabilitation Account, Measure A, State Grants, Gas tax, and Development Impact fees (DIF). (CIP 2023, p. S-2).The Annual Slurry Seal and Street and Grind Overlay Program maintains all City-owned roads. Future Project-related truck traffic would be traveling approximately 1.7 miles from the Project site to the Harley Knox /I-215 interchange. The trucks would travel on Harley Knox Boulevard and Indian Avenue, City-owned roads that are currently being maintained by the City. As part of the Project, one additional lane would be added on Indian Avenue along the Project's frontage. Once constructed, this new lane would be maintained by the City's established street

maintenance program. The additional area that would require new future maintenance would not result in a significant environmental effect. Due to the size and weight of large trucks, more frequent street maintenance would likely be required. However, because the City already has a maintenance program in place, more frequent maintenance of less than two miles of City streets would not result in substantial physical impacts. Therefore, potential impacts would be less than significant.

Thus, the Project would not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for other public facilities. Therefore, the Project would result in a **less than significant impact.** No further analysis of this issue is required.

6.16 Recreation	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would/does the project:				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☒	☐
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☒	☐

References: PVCCSP EIR

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no PVCCSP EIR mitigation measures related to recreation. The PVCCSP Standards and Guidelines relevant to recreation summarized below are incorporated as part of the proposed Project and assumed in the analysis presented in this section.

Industrial Design Standards and Guidelines (from Chapter 8.0 of the PVCCSP)

8.2.1.4 Employee Break Areas and Amenities

- An outdoor break area should be provided at each office area location.
- Buildings exceeding 100,000 square feet shall require employee amenities such as, but not limited to, cafeterias, exercise rooms, locker rooms and shower, walking trails, and recreational facilities.
- Site design should consider pedestrian access when adjacent to area wide open space, trails, parks, or other community amenities.

EXPLANATION OF CHECKLIST ANSWERS

16a. **Less than significant impact.** The Project is proposed to operate as a warehouse and does not include any residential component that could create a direct increase in the use of public recreational facilities. Although the proposed Project may indirectly affect recreational facilities by creating new jobs in the area which may draw new residents to the area, it is anticipated that the majority of jobs would be filled by individuals already residing in the Project vicinity. Indirect impacts to park facilities would be offset through payment of Development Impact Fees (DIF) as identified required by PMC Section 19.68.020 – Development Impact Fees. DIF is used to construct new recreational facilities or expand or replace existing recreational facilities subsequent to increase demand. Therefore, payment of DIF would reduce potential impacts to existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would not occur or be accelerated. Therefore, the Project would result in a **less than significant impact**. No further analysis of this issue is required.

16b. **Less than significant impact.** Consistent with the PVCCSP, the Project includes outdoor employee amenities. Two outdoor patio areas are proposed at each office area location: one patio area adjacent to the southwestern office and another patio area near the southeastern office area. Future tenants would provide indoor employee amenity areas. As such, the proposed Project would provide its own amenities but is not a use that would induce the construction or expansion of new recreational facilities. The proposed Project may indirectly affect public recreational facilities by creating new jobs in the area which may draw new residents to the area, although it is anticipated that the majority of jobs will be filled by individuals already residing in the Project vicinity. However, incremental indirect impacts to park facilities would be offset via payment of applicable DIF outlined in PMC Section 19.68.020 - Development Impact Fees. Thus, the Project would not include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment. Because the proposed Project has been designed to be in compliance with the PVCCSP and would provide employee amenities, including an outdoor break area, then incremental indirect impacts to park facilities would be offset via payment of applicable Recreational Facilities DIFs. Therefore, the Project would result in a **less than significant impact**. No further analysis of this issue is required.

6.17 Transportation	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Conflict with a program plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?	☒	☐	☐	☐
b) Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?	☒	☐	☐	☐
c) Substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☒	☐
d) Result in inadequate emergency access?	☐	☐	☒	☐

References: GP SE, Project Description, PVCCSP EIR

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

The PVCCSP Standards and Guidelines summarized below relevant to the analysis of transportation/traffic presented in this Initial Study are incorporated as part of the proposed Project as such, they are assumed in the analysis presented in this section.

Onsite Design Standards and Guidelines (from Chapter 4.0 of the PVCCSP)

4.2.2.3 Pedestrian Access and On-Site Circulation

- Avoid Conflicts Between Pedestrian and Vehicular Circulation. Provide a system of pedestrian walkways that avoids conflicts with vehicle circulation through the utilization of separated pathways for direct pedestrian access from public rights-of-way and parking areas to building entries and throughout the site with internal pedestrian linkages.
- Primary Walkway. Primary walkways should be 5 feet wide at a minimum and conform to ADA/Title 24 standards for surfacing, slope, and other requirements.
- Pedestrian Linkages to Public Realm. A minimum five-foot wide sidewalk or pathway, at or near the primary drive aisle, should be provided as a connecting pedestrian link from the public street to the building(s), as well as to systems of mass transit, and other on-site building(s).

The proposed Project would be required to adhere to PVCCSP EIR mitigation measures MM Trans 1 through MM Trans 8. The following mitigation measures from the PVCCSP EIR are assumed in the analysis presented in this section.

MM Trans 1: Future implementing development projects shall construct on-site roadway improvements pursuant to the general alignments and right-of-way sections set forth in the PVCC Circulation Plan, except where said improvements have previously been constructed.

MM Trans 2: Sight distance at the project entrance roadway of each implementing development project shall be reviewed with respect to standard City of Perris sight distance standards at the time of preparation of final grading, landscape and street improvement plans.

Explanation of Checklist Answers

a) **Potentially significant impact.** Implementation of the Project would introduce a warehouse development to a currently vacant site, which would increase traffic volumes in the surrounding roadways. Since Project-related impacts have not been fully quantified, the Project may conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities. Therefore, the Project may result in a **potentially significant impact.** This topic will be further analyzed and addressed in a forthcoming EIR.

b) **Potentially significant impact.** The Project would introduce a warehouse development to a currently vacant site, which would increase traffic volumes in the surrounding roadways. Thus, the Project may conflict or be inconsistent with CEQA Guidelines Section 15064.3, subdivision (b). Therefore, the Project may result in a **potentially significant impact.** This topic will be further analyzed and addressed in a forthcoming EIR.

c) **Less than significant impact.** No sharp curves or other hazardous traffic conditions currently exist within the Project vicinity or on the Project. The proposed Project would be required to comply with all applicable City development standards and policies for providing pedestrian walkways and applicable bike lanes (if required) so as not to conflict with vehicular circulation. The Project would also include the improvement of roadways, which include safety and operational improvements to ensure the geometric roadway designs comply with all intersection sight distance requirements and are designed for safety. In compliance with PVCCSP EIR mitigation measures **MM Trans 1** and **MM Trans 2,** improvements related to on-site roadway design and safety would be reviewed by City staff and implemented to ensure adequate sight distance be provided at each Project access location. The proposed warehouse/distribution facility would be consistent with the on-site and surrounding land use and zoning designations, and as such implementation of the Project would not introduce incompatible uses to the Project area. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

d) **Less than significant impact.** The proposed Project would be required to comply with all applicable fire code and City Fire Department requirements and standards for construction, access, water mains, fire flow, and fire hydrants. Further, the Project would be required to comply with the City's General Plan Safety Element. Prior to any site development or future project approvals, all plans would be required to be submitted to the fire marshal for review and verification that they conform to all pertinent fire standards and requirements. Thus, the Project would not result in result in inadequate emergency access because it would be required to comply with applicable fire codes. Therefore, because implementation of the proposed Project would not result in inadequate emergency access, potential impacts would be **less than significant.** No further analysis of this issue is required.

6.18 Tribal Cultural Resources	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Cause a substantial adverse change in the significance of a tribal cultural resource defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American tribe, and that is:				
i) Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or	☐	☒	☐	☐
ii) A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resources Code Section 5024.1. In applying the criteria set forth in subdivision (c) of Public Resources Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American tribe.	☐	☒	☐	☐

References: GP CE, Project Description

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no Standards and Guidelines included in the PVCCSP related to tribal cultural resources.

Developments within the PVCC area are required to adhere to PVCCSP EIR mitigation measures MM Cultural 1, MM Cultural 2, MM Cultural 3, MM Cultural 4, and MM Cultural 6. A *Phase I Cultural Resources Survey* dated November 18, 2024, was prepared by BFSA Environmental Services. By preparing the *Phase I Cultural Resources Survey*, the Project has complied with PVCCSP EIR mitigation measure **MM Cultural 1** (see *Section 6.5, Cultural Resources*).

Explanation of Checklist Answers:

a.i) **Less than significant with mitigation incorporated.** As discussed in *Section 5b* above, there are no items listed or eligible for listing in the California Register of Historical Resources, or a local register of historical resources at the Project site. Further, the Project site is currently vacant.

Nonetheless, there is always the potential that previously unidentified archaeological resources may be discovered during ground disturbance. With implementation of Project-specific

mitigation measures **MM CR-1** and **MM CR-2** as described in *Section 5b* and *Section 5c* above, potential impacts to tribal cultural resources would be **less than significant with mitigation incorporated**. No further analysis of this issue is required.

a.ii) **Less than significant with mitigation incorporated.** As of July 1, 2015, Assembly Bill (AB) 52, signed into law in 2014, amends CEQA and establishes new requirements for tribal consultation. The law applies to all projects that have a notice of preparation or notice of negative declaration/mitigated negative declaration. It also broadly defines a new resource category of "tribal cultural resource" and establishes a more robust process for meaningful consultation that includes:

- Prescribed notification and response timelines
- Consultation on alternatives, resource identification, significance determinations, impact evaluation, and mitigation measures
- Documentation of all consultation efforts to support CEQA findings

The City, as lead agency, is required to coordinate with Native American tribes through the Assembly Bill 52 Tribal Consultation process. On August 30, 2022, the City provided notification to the following five tribes in accordance with AB 52: the Agua Caliente Band of Cahuilla Indians, Morongo Band of Mission Indians, Pechanga Band of Indians, Rincon Band of Luiseño Indians, and Soboba Band of Luiseño Indians. The City did not receive a request for consultation from the Agua Caliente Band of Cahuilla Indians, Rincon Band of Luiseño Indians, and Soboba Band of Luiseño Indians within 30 days following notification. The Morongo Band of Mission Indians and the Pechanga Band of Indians requested consultation. The City consulted with the Pechanga Band of Indians on September 28, 2022. The City was not able to schedule a consultation meeting with the Morongo Band of Mission Indians.

On March 11, 2025, the City re-initiated contact with the Pechanga Band of Indians and the Morongo Band of Mission Indians due to an expansion of the Project site boundary. This expansion included a previously developed area southeast of the originally proposed site that was not part of the initial AB 52 consultation letter sent on August 30, 2022. The City conducted follow-up consultation with the Pechanga Band of Indians on April 8, 2025. The Morongo Band of Mission Indians did not respond to the City's March 2025 correspondence. The City has concluded AB 52 consultation for the Project.

Although no tribal cultural resources have been identified on or near the Project site, as a result of AB52 consultation, Project-specific mitigation measures **MM CR-1** and **MM CR-2**, as described in *Section 5b* and *Section 5c* above, would be implemented to ensure that potential impacts to tribal cultural resources would be **less than significant with mitigation incorporated**. No further analysis of this issue is required.

6.19 Utilities and Service Systems	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Would the project:				
a) Require or result in the relocation or construction of new or expanded water wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?	☐	☐	☒	☐
b) Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?	☐	☐	☒	☐
c) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has inadequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☒	☐
d) Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?	☐	☐	☒	☐
e) Comply with federal, state, and local management and reduction statutes and regulations related to solid waste?	☐	☐	☒	☐

References: CAL-B, CAL-C, MWD, PVCCSP EIR, PVWRF, GP CE, TEI-A, USEPA, UWMP

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no PVCCSP Standards and Guidelines or PVCCSP EIR mitigation measures related to the analysis of utilities and service systems presented in this Initial Study.

Explanation of Checklist Answers:

a) **Less than significant impact.** The Project includes construction of an on-site network of water, sewer, storm drain, electric, and gas. Currently there are existing water lines, sewer lines, telecommunications, and electrical lines adjacent to the Project site in Harley Knox Boulevard and Indian Avenue. Like the previous use, the Project would connect to these existing facilities. Additionally, the Project would underground existing electrical facilities.

The closest existing storm drain facilities to the Project site are the PVSD Channel, Lateral B, a Riverside County Flood Control and Water Conservation District Facility adjacent to the northerly Project boundary line and an 18-inch diameter City of Perris Storm Drain located to the south of the Project site, in Harley Knox Boulevard. The Project site is tabled to discharge to the existing northerly PVSD Channel, Lateral B. (TEI-A, p. 2). Accordingly, no new offsite infrastructure is required.

Therefore, the proposed Project would not cause significant effects with regard to the construction of water, sewer, storm water drainage, electrical power, natural gas, or telecommunications facilities and potential impacts would be **less than significant**. No further analysis of this issue is required.

b) **Less than significant impact.** In compliance with Sections 10910–10915 of the California Water Code (commonly referred to as "Senate Bill [SB] 610" according to the enacting legislation), a Water Supply Assessment was prepared for the PVCCSP to assess the impact of development allowed by the PVCCSP on the EMWD's existing and projected water supplies. The EMWD approved this Water Supply Assessment in July 2011. According to the PVCCSP Water Supply Assessment, based on the PVCCSP land use designations, at buildout, the PVCCSP is anticipated to have a projected water demand of 2,671.5 acre-feet per year and determined that there would be sufficient water supplies to serve the future development within the PVCC area.

Recently, the EMWD adopted its updated 2020 Urban Water Management Plan, which contains more accurate projections for water supply and ability to serve the proposed Project area. The 2020 Urban Water Management Plan details the reliability of the EMWD's current and future water supply. The EMWD has four sources of water supply: imported water from The Metropolitan Water District of Southern California (MWD), local groundwater, desalinated groundwater, and recycled water (UWMP, p. 3-3). The EMWD has several planned projects that would increase regional supply reliability by increasing local supplies and decreasing demands for imported water from the MWD including increasing local groundwater banking through the Enhanced Recharge and Recovery Program, expanding the desalter program with the Perris II Desalter, and full utilization of recycled water through implementation of an Integrated Resource Plan. (UWMP, p. 7-12.) Additionally, the EMWD aggressively promotes the efficient use of water through implementation of local ordinances, conservation programs and an innovative tiered pricing structure. (UWMP, p. 7-12.)

In 2020, approximately 50 percent of the EMWD's total retail supply was imported from the MWD (UWMP, p. 6-2). The MWD also prepared a Regional Urban Water Management Plan and Integrated Water Resource Plan to detail their ability to provide water in times of shortage and address concerns regarding water supply reliability based on recent judicial decisions affecting the State Water Project and potential impacts due to climate change and drought. Based on the information provided in the MWD's 2020 Urban Water Management Plan, the MWD has sufficient supply capabilities to meet. the expected demands of its member agencies from 2025 through 2045 under normal, historic single-dry and historic multiple-dry year conditions. (MWD, p. ES-5-ES-6.)

The EMWD determined that it would be able to provide adequate water supply to meet the potable water demand for future development allowed by the PVCCSP as part of its existing and future demands. Therefore, it can be concluded that there are sufficient water supplies available to serve the proposed Project, which is consistent with the land use assumptions of the PVCCSP for industrial uses, from the EMWD's existing entitlements and resources as set forth in its 2020 Urban Water Management Plan and the MWD's 2020 Urban Water Management Plan. Therefore, because the proposed Project is consistent with the land use designation for the site that was assumed in the most recent Urban Water Management Plan, the EMWD would have sufficient water supplies available to serve the Project and reasonably foreseeable future development during normal, dry, and multiple dry years. Thus, potential impacts to water supplies would be **less than significant**. No further analysis of this issue is required.

c) **Less than significant impact.** Wastewater generated by the Project would be treated at the EMWD's Perris Valley Regional Water Reclamation Facility. The Perris Valley Regional Water Reclamation Facility is the largest of its four (4) wastewater treatment operating plants. The Perris Valley Regional Water Reclamation Facility receives 128 million gallons per day of sewage. The plant produces tertiary-treated water and can store more than 2 billion gallons of recycled water for use by surrounding agricultural, sports fields, parks, and landscape customers. The facility has an ultimate capacity of 100 million gallons per day. This facility allows the EMWD to not only meet the projected demands of anticipated development in the region, but also to meet more stringent environmental requirements for wastewater treatment and recycled water quality. The facility also includes two 300 kilowatt fuel cells powered by methane gas from three anaerobic sludge digesters. Those methane-gas powered fuel cells provide approximately 30 percent of the power needed to run the facility, significantly reducing the EMWD's reliance on the region's power grid and stabilizing future energy costs. In addition, the facility has a 1 megawatt (1,000 kilowatts) solar array that has reduced electrical energy needs for the plant. As such, this facility has the ability to meet the current and future demands of the region as well as help to meet the increasing demand for recycled water throughout the EMWD's service area. (PVRWRF).

Development associated with the PVCCSP, of which the Project is a part, would result in an increase in the amount of wastewater generated within the EMWD's service area. The PVCCSP is anticipated to generate approximately 5,316,295 gallons (5.3 million gallons per day) of wastewater per day to be treated at the Perris Valley Regional Water Reclamation Facility at build-out. (PVCCSP EIR, p. 4.11-27.)

As of 2021, the Perris Valley Regional Water Reclamation Facility accepts approximately 15.5 million gallons per day but has an ultimate treatment capacity of 100 million gallons per day (PVRWRF). Thus, the total demand from the PVCCSP represents approximately 5.3 percent of the current Perris Valley Regional Water Reclamation Facility capacity. A portion of the current wastewater treated at the Perris Valley Regional Water Reclamation Facility consists of diversions from elsewhere in EMWD's service area. Therefore, because the EMWD's wastewater diversions are operational decisions and because there is sufficient capacity in the EMWD's other wastewater treatment facilities to accommodate additional wastewater flows, overall the EMWD has sufficient capacity to treat the wastewater generated by the PVCCSP.

Based on the wastewater generation factor of 1,700 gallons per day per acre for General Industrial PVCCSP land use designations applied in the PVCCSP EIR, the Project's proposed development of a warehouse/distribution facility on the approximately 25.10-gross-acre Project site would generate approximately 42,721 gallons per day (0.043 million gallons per day) of wastewater that would be treated at the Perris Valley Regional Water Reclamation Facility. As such, the proposed Project's wastewater generation represents less than one percent of the PVCCSP's total estimated wastewater generation (5.3 million gallons per day).

Since the proposed Project consists of construction and operation of a warehouse/distribution facility, it is consistent with the land use designation in the PVCCSP and the wastewater generation analysis assumptions used for the PVCCSP EIR and would not result in impacts greater than those analyzed in the PVCCSP EIR. Therefore, implementation of the proposed Project would have a **less than significant impact** on the EMWD's ability to treat wastewater

and would not contribute significantly to require construction or operation of new or expanded wastewater facilities. No further analysis of this issue is required.

d) **Less than significant impact.** Trash, recycling, and green waste services within the City are provided by CR&R Environmental Services. Solid waste is transported to the Perris Transfer Station and Materials Recovery Facility located at 1706 Goetz Road, approximately 6.3 miles south of the Project site. At this facility, recyclable materials are separated from solid waste materials. Recyclable materials are sold in bulk and transported for processing and transformation for other uses. (GP CE, p. 38.) Solid waste from the proposed Project would be transported to either: (1) the Badlands Landfill (33-AA-0006) on Ironwood Avenue in Moreno Valley, which has a permitted daily capacity of 5,000 tons per day (tpd) and remaining total capacity of 7,800,000 tons; or (2) the El Sobrante Landfill (33-AA-0217) on Dawson Canyon Road in Corona, with a permitted daily capacity of 16,054 tpd and remaining total capacity of 143,977,170 tons. (CAL-B; CAL-C.)

Construction-Related Solid Waste

Overall, construction associated with Projects within the PVCC area is anticipated to generate approximately 104,671 tons of construction-related solid waste over a 20-year buildout period. Therefore, given the limited contribution of solid waste during an extended construction period, the PVCCSP EIR concluded that construction within the PVCC area would have a less than significant contribution to the exceedance of the permitted capacity of the designated landfills.

Based on the U.S. EPA's construction waste generation factor for light industrial projects of 3.89 pounds per square foot, the proposed building of 549,786 square feet would generate approximately 1,069 tons of construction-related solid waste (EPA, p. 2-3). This represents approximately one percent of the total estimated construction-related waste to be generated by development of allowed PVCCSP uses, which was determined to be able to be accommodated by the landfills serving the City. Additionally, CalGreen Code Section 5.408 requires projects requiring local construction permits to prepare a waste management plan to divert from landfill at least 65 percent of the construction and demolition materials generated from the site, which would reduce approximately 694.85 tons of Project construction solid waste being disposed of in a landfill. (CALGreen Code.) Through compliance with CalGreen Code, Section 5.408, the Project would generate approximately from 374.15 tons of construction-related solid waste that would be of in a landfill. Therefore, the disposal of construction-related solid waste associated with the proposed Project would not exceed the permitted capacity of the Badlands or El Sobrante landfills and there would be a less than significant impact.

Operational Solid Waste

The PVCCSP EIR estimates that operation of future development under the Specific Plan would generate approximately 544,049 tons per year of solid waste, which was determined to be approximately 11 percent of the combined annual capacity (i.e., yearly intake) of the Badlands and El Sobrante landfills. The PVCCSP EIR concludes that, with development under the PVCCSP, operational solid waste would not substantially contribute to exceeding the permitted capacity of these landfills.

Based on the California Department of Resources, Recycling and Recovery (CalRecycle) operational solid waste disposal factor of 0.0108 ton per square foot per year for the Light Industrial PVCCSP land use designation applied in the PVCCSP EIR, the Project's 549,786

square feet of proposed industrial warehouse/distribution uses would generate approximately 5,937 tons per year of solid waste requiring landfill disposal. This represents approximately one percent of the estimated annual operational solid waste stream for development of allowed PVCCSP uses, which was determined to be accommodated by the landfills serving the City. Therefore, consistent with the findings of the PVCCSP EIR, the disposal of operational solid waste associated with the proposed Project would not exceed the permitted capacity of the Badlands or El Sobrante Landfills and there would be a less than significant impact.

The proposed Project would be served by a landfill with sufficient permitted capacity to accommodate the Project's solid waste disposal needs since the Badlands and El Sobrante Landfills have the capacity to support the construction and operational waste expected from the Project. Therefore, potential impacts would be **less than significant.** No further analysis of this issue is required.

e) **Less than significant impact.** Federal, State, and local statutes and regulations regarding solid waste generation, transport, and disposal are intended to decrease solid waste generation through mandatory reductions in solid waste quantities (e.g., through recycling and composting of green waste) and the safe and efficient transport of solid waste. The proposed Project would be required to coordinate with CR&R Environmental Services to develop a collection program for recyclables, such as paper, plastics, glass, and aluminum, in accordance with local and State programs, including the California Solid Waste Reuse and Recycling Act of 1991. Additionally, the proposed project would be required to comply with applicable practices enacted by the City under the California Integrated Waste Management Act of 1989 (AB 939) and any other applicable local, State, and federal solid waste management regulations. AB 939 requires all counties to prepare a County Integrated Waste Management Plan. The County of Riverside adopted its *Countywide Integrated Waste Management Plan* in 1998. The Countywide Integrated Waste Management Plan includes the Countywide Summary Plan; the Countywide Siting Element; and the Source Reduction and Recycling Elements, the Household Hazardous Waste Elements, and Non-disposal Facility Elements for Riverside County and each city in Riverside County.

Additionally, the California Integrated Waste Management Act under the Public Resource Code requires that local jurisdictions divert at least 50 percent of all solid waste generated by January 1, 2000. By 2004, the City of Perris achieved a 51 percent waste diversion rate. The City of Perris' Municipal Code Section 7.44.050 requires that project construction divert a minimum of 50 percent of construction and demolition debris. Also, Section 7.44.060 requires the submittal of a waste management plan. In addition, the 2022 CalGreen Code requires to divert 65 percent of construction waste. Therefore, because the proposed Project would be required to comply with all regulatory requirements, potential impacts to solid waste would be **less than significant.** No further analysis of this issue is required.

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

References: CALFIRE, GP SE

APPLICABLE PVCCSP STANDARDS AND GUIDELINES, AND MITIGATION MEASURES

There are no PVCCSP EIR mitigation measures related to wildfire. Standards and Guidelines relevant to the analysis of wildfire impacts presented in this Initial Study include:

General Plan Safety Element

- Policy S-2.1: Require road upgrades as part of new developments/major remodels to ensure adequate evacuation and emergency vehicle access. Limit improvements for existing building sites to property frontages.
- Policy S-2.2: Require new development or major remodels include backbone infrastructure master plans substantially consistent with the provisions of "Infrastructure Concept Plans" in the Land Use Element.
- Policy S-2.5: Require all new developments, redevelopments, and major remodels to provide adequate ingress/egress, including at least two points of access for sites, neighborhoods, and/or subdivisions.
- Policy S-5.3: Promote new development and redevelopment in areas of the City outside the VHFHSZ and allow for the transfer of development rights into lower-risk areas, if feasible.

- Policy S-5.6: All developments throughout the City Zones are required to provide adequate circulation capacity, including connections to at least two roadways for evacuation.

- Policy S-5.10: Ensure that existing and new developments have adequate water supplies and conveyance capacity to meet daily demands and firefighting requirements.

Weed Abatement (Section 7.08.045.)

- Property subject to abatement shall be cleared of all vegetation and rubbish. The property shall be free of fire hazard nuisances including dry or dead grasses, shrubbery or trees, and combustible refuse and waste or any material growing that may in reasonable probability constitute a fire hazard. The property shall be free of rubbish and vegetation which would hamper or interfere with the prevention or suppression of fire.

Explanation of Checklist Answers:

a-d) **No impact.** The Project site is not located within or near a State Responsibility Area very high fire, high or moderate hazard severity zone and the Project site is generally flat with no steep slopes located on or adjacent to the affected lands that would exacerbate wildfire risk (i.e., from upslope winds). No other natural features are present onsite that would exacerbate wildfire risks. Therefore, **no impact** would occur. No further analysis of these issues is required.

6.21 Mandatory Findings of Significance	*Potentially Significant Impact*	*Less Than Significant With Mitigation Incorporated*	*Less Than Significant Impact*	*No Impact*
Does the project:				
a. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number, or restrict the range of rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☒	☐	☐	☐
b. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?	☒	☐	☐	☐
c. Does the project have environmental effects which would cause substantial adverse effects on human beings, either directly or indirectly?	☒	☐	☐	☐

References: Initial Study Checklist

Explanation of Checklist Answers

a) **Potentially significant.** As discussed above under Biological Resources, a forthcoming EIR will address impacts associated with the potential for listed species to be present at the Project site, as well as discuss consistency with the MSHCP, which is designed to conserve covered species and habitat in western Riverside County and address the overall prevention of biological degradation in the Project area.

As discussed in *Section 6.5a,* there are no known historic resources at the Project site or in the Project's study area. As discussed in *Section 6.5b,* none of the 27 previously recorded cultural resources within a one-mile radius of the Project site were recorded or found on the proposed Project site. Further, the site has been previously disturbed, and it is highly unlikely that any cultural resources exist. However, in order to provide protection in the unlikely event that cultural resources are unearthed during Project construction, Project-specific mitigation measures **MM CR 1 and MM CR 2** set forth in *Section 6.5* shall be implemented to reduce potential impacts to important examples of California history or prehistory to a less than significant level. Because these impacts would be less than significant, this issue will not be addressed further in a forthcoming EIR.

b) **Potentially significant impact.** The proposed Project is being developed according to the PVCCSP and is an allowed use under the site's PVCCSP Light Industrial land use designation. The PVCCSP EIR determined that development pursuant to the PVCCSP would result in several

cumulatively considerable impacts (Perris 2011, p. 5.0-13). In particular, analysis contained in the PVCCSP EIR determined that construction associated within the PVCC may have cumulatively significant impacts in the following areas:

- Air Quality: Emissions generated by the overall PVCCSP area would exceed the SCAQMD's recommended thresholds of significance;
- Noise: Development in the overall PVCCSP area would result in substantial increases in the ambient noise environment at Project buildout;
- Transportation: Potential cumulative impacts to I-215, which is consistent with the findings in the City of Perris' General Plan.

As demonstrated by the analysis in this Initial Study, the Project would not result in any impacts that are individually limited, but cumulatively considerable with respect to aesthetics, cultural resources, geology, hazards and hazardous materials, hydrology, land use, mineral resources, population and housing, public services, recreation, tribal cultural resources, utilities, and wildfires. The Project is consistent with local and regional plans with respect to these topics and adheres to all other land use plans and policies that have jurisdiction over the Project site. Further, the Project is not considered growth-inducing as defined by CEQA Guidelines Section 15126.2(d) and would not induce, either directly or indirectly, population and/or housing growth.

A forthcoming EIR will address cumulative impacts to air quality, noise and transportation per the PVCCSP EIR determination stated above. In addition to those, an EIR will also address cumulative impacts associated with agricultural and forestry resources, biological resources, energy, greenhouse gas emissions, and land use and planning.

As such, the cumulative impacts associated with these issues may result in a **potentially significant impact**. These cumulative impacts will be further analyzed and addressed in a forthcoming EIR.

c) **Potentially significant impact.** The Project involves the construction and operation of a warehouse building, which would attract additional traffic to the area. This may contribute to an exceedance of South Coast AQMD thresholds for air quality and pose a threat to human health. Likewise, noise impacts associated with construction and operation of the proposed Project have the potential to affect cause adverse effects on human beings. Therefore, the Project may have a **potentially significant impact**. These topics will further analyzed and addressed in a forthcoming EIR.

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INTIAL STUDY – APPENDIX A.1

Biological Assessment Letter Report

Biological Assessment Letter Report
for the
First Harley Knox II
(7 Parcel)
Development Project

City of Perris

Prepared For:

First Industrial Realty Trust, Inc.
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1.0 INTRODUCTION

This report documents the findings of an evaluation of biological resources conducted by BLUE for the seven (7) parcel First Harley Knox Property as well as the area assessed for offsite improvements, located within Harley Knox Boulevard and Indian Avenue, including the existing developed parcel located at 480 Harley Knox Boulevard (Project). The proposed Project includes the development of these parcels, over the approximately 26.55 onsite acres (totaling approximately 36.5 acres, including the offsite infrastructure improvements), in the City of Perris, County of Riverside, California. The proposed offsite impacts to existing developed/disturbed area are for infrastructure improvements to Harley Knox Boulevard (offsite from the SE corner), infrastructure improvements to Indian Avenue and the drainage connection to the flood control channel (offsite from the NE corner). The Project is bound to the south and east by development and infrastructure (Harley Knox Boulevard on the southern boundary and Indian Avenue along the eastern boundary) and disturbed area/farm land to the north and west. Adjacent to the northern property line is a regional flood control channel (flowing east).

The Project site is located within the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) Mead Valley Area Plan and is comprised of a total of 26.55 acres. The Project site is not located within any MSHCP designated Criteria Areas or Subunits. As such, the Project site is not subject to Cell Criteria compliance under the MSHCP. The Project footprint does not fall within any Public/Quasi-Public (PQP) or other MSHCP Conserved Lands.

The Biological Study Area (BSA) includes the subject Project parcels, plus a 100-foot buffer. This includes all proposed offsite impacts. The BSA is located within the United States Geological Survey (USGS) 7.5-minute Perris Topographic Map. The Project falls within the San Bernardino Meridian, Section 7, SE ¼ of SW ¼ of Section 7 on the Perris, CA 7.5-minute topographic quadrangle map (USGS 2018) in the city of Perris, at an approximate elevation of 1,475 feet. Onsite, the Project BSA is composed of maintained agricultural land and developed area, including paved and maintained ornamental plantings in the parking area. Offsite, to the north and west is historic agricultural use and disturbed vegetation with generally flat undeveloped terrain that receives frequent weed abatement (i.e., chain flail mowing, disking). The surrounding land use, offsite, consists of the northern flood control channel, industrial development, agricultural fields, and development infrastructure.

The intended use of this document is to disclose and evaluate habitat conditions and determine the potential for occurrence of common and special-status species and their habitats within survey area limits pursuant to the MSHCP. Special-status species refers to any species that has been afforded special protection by federal, state, or local resource agencies (e.g., U.S. Fish and Wildlife Service [USFWS], California Department of Fish and Game [CDFW]) or resource conservation organizations (e.g., California Native Plant Society [CNPS]). The term "special-status species" excludes those avian species solely identified under Section 10 of the Migratory Bird Treaty Act (MBTA) for federal protection.

2.0 METHODS

Prior to beginning the field survey and protocol wetland delineation, a literature review was completed to determine locations and types of biological resources having the potential to exist within the region, including: California Natural Diversity Data Base (CNDDB), USFWS Critical Habitat Mapper and File data [USFWS 2023], the MSHCP Transportation and Land Management Agency Geographic Information Services Database and Riverside

County Integrated Plan Conservation Summary Report Generator was also reviewed (County of Riverside).

In addition to utilizing on-line databases and mapping tools, the Perris topographic map was reviewed to determine the locations of any potential special aquatic resource areas (e.g., wetlands or other Waters of the United States or Waters of the State) under regulatory jurisdiction of the US Army Corps of Engineers (USACE), CDFW, and Regional Water Quality Control Board (RWQCB), and Riparian/Riverine habitats prior to beginning field surveys of the BSA. Additionally, the United States Department of Agriculture Natural Resources Conservation Service (USDA-NRCS) on-line Web Soil Survey tool (NRCS 2015) and Figure 2-4 of the MSHCP were reviewed to determine the types and percent cover of soils within the BSA.

Lands within the BSA that were potentially suspected of being potential special aquatic resource and Riparian/Riverine habitats were then assessed by visual observation during the field survey. No potential special aquatic resource areas and riparian/riverine habitats were not observed and additional further evaluation is not required.

Michael Jefferson, senior qualified BLUE biologist, conducted the pedestrian-based biological surveys to observe, document, and evaluate vegetation, plant and wildlife resources and determine the potential for occurrence of special-status habitat, plant and wildlife species. Approximately 100-foot-wide meandering transects were utilized to provide visual coverage of the BSA.

Vegetation community type descriptions were based on observed dominant vegetation composition and derived from the criteria and definitions of vegetation classification systems (Holland, 1986; Sawyer and Keeler-Wolf, 1995; Sawyer et al., 2009). Plants were identified in the field to the lowest taxonomic level sufficient to determine positive identity and status. Plants of uncertain identity were subsequently identified using taxonomic keys, and scientific and common species names were recorded according to Baldwin (2012).

The presence of a wildlife species was based on direct observation or wildlife sign (e.g., tracks, burrows, nests, scat, or vocalization). Field data compiled for wildlife species included scientific name, common name, and evidence of sign when no direct observations were made. Wildlife of uncertain distinctiveness was documented and subsequently identified from field guides and related literature (Burt and Grossenheider, 1980; Halfpenny, 2000; Sibley, 2000; Elbroch, 2003; and Stebbins, 2003).

The BSA was also assessed for its potential to support special-status species, based on habitat suitability comparisons with reported occupied habitats.

The following definitions were used to determine the need for subsequent surveys and to assess project-related effects to special-status species:

- Absent (A): No habitat occurs within the survey area and no further surveys are necessary
- Habitat Present (HP): Habitat is present within the survey area
- Present (P): The species was observed within the survey area during the survey
- Critical Habitat (CH): The survey area is located within designated critical habitat

JURISDICTIONAL DELINEATION METHODS

2.1 Jurisdictional Delineation Field Surveys

BLUE senior qualified biologist Michael Jefferson conducted the protocol wetland delineation to evaluate the extent of jurisdictional features subject to the City, the ACOE, the RWQCB and the CDFW. The limits of WoUS and Waters of the State were recorded in the field areas using aerial maps and Google earth.

2.2.1 Delineating Waters of the U.S.

2.2.1.1 Non-wetlands

Federal (ACOE) and State (RWQCB) jurisdiction over a non-wetland waters of the U.S. extends to the ordinary high-water mark (OHWM), defined in 33 C.F.R. § 328.3 as the line established by fluctuations of water and indicated by physical characteristics such as a clear, natural line impressed on the bank, shelving, changes in the character of the soil, destruction of terrestrial vegetation, or the presence of litter and debris. In the Arid West region of the United States, waters are variable and include ephemeral, intermittent and perennial channel forms. Delineation methods and data sheets were completed in accordance with *A Field Guide to the Identification of the Ordinary High Water Mark* (OHWM) in the Arid West Region of the Western United States (ACOE 2008) the *Updated Datasheet for the Identification of the Ordinary High Water Mark* (OHWM) in the Arid West Region of the Western United States (ACOE 2010) and 2020 ACOE Navigable Waters Protection Rule.

2.2.1.2 Wetlands

The climate of the region drastically influences the hydrology, channel-forming processes, and distribution of OHWM indicators such that delineations can be inconsistent (over space and time) and problematic. The dynamics of arid channel forms and the transitory nature of traditional OHWM indicators in arid environments render the limit of the active floodplain the only reliable and repeatable feature in terms of OHWM delineation (Lichvar and McColley 2008). This was supported by recent additional research in *Vegetation and Channel Morphology Responses to Ordinary High Water Discharge Events in Arid West Stream Channels* (Lichvar et al. 2009). To determine the extent of potential jurisdictional wetlands on a project site, the Army Corps of Engineers Wetlands Delineation Manual (ACOE 1987) and Regional Supplement to the Army Corps of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0) (ACOE 2008b) was used as a guide for identifying wetland characteristics. The following three indicators are must all be present to be defined as a wetland:

1. Hydrology, providing permanent or periodic inundation by groundwater or surface water;
2. Hydrophytic vegetation; and
3. Hydric soils.

To be considered a wetland, an area must exhibit at least minimal hydric conditions within these three parameters. Wetland data pits were not required to be sampled because these parameters were not met within the developed footprint of the flood control channel.

Wetland Hydrology

Wetland hydrology indicators are classified into four groups:

- **Group A** – **Observation of Surface Water or Saturated Soils:** This group is based on the direct observation of surface water or saturated soils.

- **Group B** – **Evidence of Recent Inundation:** This group consists of evidence that the site is subject to flooding or ponding, although the inundation may not be recent. Indicators include water marks, drift deposits, sediment deposits, and similar characteristics.
- **Group C** – **Evidence of Recent Soil Saturation:** This group consists of indirect evidence of recent soil saturation. Indicators include oxidized rhizospheres around living roots and the presence of reduced iron and sulfur in the soil profile.
- **Group D** – **Evidence from Other Site Conditions or Data:** This group consists of soil and vegetation features that indicate current rather than historic hydric conditions. The presence of wetland hydrology is assessed at each location where the wetland criteria are met. Data recorded include the extent of surface flows, depth of inundation, depth to saturated soils, and depth to free water in the soil test pit.

Hydrophytic Vegetation

Hydrophytic plants grow partially or completely in water and are indicators of wetland environments. Hydrophytic vegetation occurs only in areas where frequent or sustained inundations are sufficient to produce soil saturation that exerts a controlling influence on plant species. These periodic events must occur for sufficient duration to result in reduced oxygen soil conditions. Wetlands are characterized by communities of plants, so that the occurrence of individual hydrophytic species in an area otherwise dominated by uplands species is insufficient to characterize the area as a wetland. In arid environments, specific indicator species are important in identification of wetlands (e.g., halophytes and phreatophytes are associated with many wetland settings in the arid west), but in general, the totality of plant species growing on a site is of greater importance than the presence or absence of particular indicator species. Species that are indicators of wetlands have been classified in the National Wetland Plant List (Lichvar et al. 2018). Frequency of a species occurrence in wetlands has been divided into the following five categories.

1. **Obligate Wetland (OBL):** Occurs almost always (estimated probability >99%) under natural conditions in wetlands.
2. **Facultative Wetland (FACW):** Usually occurs in wetlands (estimated probability 67%– 99%) but occasionally found in non-wetlands.
3. **Facultative (FAC):** Equally likely to occur in wetlands or non-wetlands (estimated probability 34%–66%).
4. **Facultative Upland (FACU):** Usually occurs in non-wetlands (estimated probability 67%–99%) but occasionally found in wetlands (estimated probability 1%–33%).
5. **Obligate Upland (UPL):** Occurs in wetlands in another region but occurs almost always (estimated probability >99%) under natural conditions in non-wetlands in the region specified.

The ACOE considers species that fall into the OBL, FACW, and FAC categories as being positive indicators of wetland vegetation. The prevalent vegetation that occurs in a wetland may be associated with more than one community and is characterized by the dominant species. A dominance test (Indicator 1) is the basic hydrophytic vegetation indicator and is used to determine the dominant species of a given plant community. The 50/20 Rule is used to determine wetland status by examining the species that dominate a community. This method involves identifying the species type that makes up at least 50% of the stratum of the community, and then identifying a

second species type that makes up at least 20% of the stratum. This method should be applied in every wetland determination. Although some plant communities cannot be characterized by the dominance test, most wetlands in the Arid West have plant communities that will pass the dominance test, and therefore this test provides a sufficient indicator in most situations. If the plant community passes the dominance test for wetland species, then the vegetation is characterized as hydrophytic and no further vegetation analysis is required.

The prevalence index (Indicator 2) is used when the vegetation fails the dominance test, but hydric soils and wetland hydrology are present. The prevalence index weighs all of the plant species in a community, rather than just the dominant species. The prevalence index is a weighted-average wetland indicator status of the plant species in a sampling plot. Each indicator status is given a numeric code (OBL = 1, FACW = 2, FAC = 3, FACU = 4, and UPL = 5) and is weighted by the percent cover. Hydrophytic vegetation is present if the prevalence index is 3.0 or less.

Plant morphological adaptations (Indicator 3) can be used to distinguish certain wetland plant communities in the Arid West in the presence of hydric soils and wetland hydrology. Some hydrophytes develop easily recognized physical characteristics due to their adaption to wetland conditions. Common morphological adaptations include adventitious roots and shallow root systems developed on or in the upper layers of the soil. This indicator is applied when the wetland morphological adaptations are found on 50% or more of the FACU species present.

Hydric Soils

The National Technical Committee for Hydric Soils defines a hydric soil as "a soil that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part" (U.S. Department of Agriculture 2006). Soils that are sufficiently wet because of artificial measures are included in the concept of hydric soils. This classification includes soils that were historically hydric but have since become non-hydric as a result of artificial modification of the hydrologic system that originally created the hydric soil. Some series, designated as hydric, have phases that are not hydric, depending on water table, flooding, and ponding characteristics.

Hydric soils are identified using soil indicators presented in the Regional Supplement to the ACOE of Engineers Wetland Delineation Manual: Arid West Region (Version 2.0) (ACOE 2008b) and the Field Indicators of Hydric Soils in the United States, Version 8.2, 2018 (NRCS 2018). Indicators of non-sandy hydric soils include an organic composition that is greater than 50% (formed in oversaturated conditions where the decomposition of plant debris is inhibited and slowly accumulates), the presence of sulfides in the soil composition that emanate a strong sulfur odor, and soils with peraquic (groundwater always at or near the soil surface) moisture regimes. The soil coloration produced by soil components is also an indicator that can be used to identify hydric soils while performing field observations. Gleyed soils are produced when reduced oxygen soil environment result in the pronounced chemical reduction of iron, manganese, and other elements, thereby producing grayish, bluish, and greenish soil colors. Mineral hydric soils that are saturated for substantial periods of the growing season (but not long enough to produce gleyed soils) will have bright mottles (marked with spots of contrasting colors) and a dark coloration matrix (the portion of the soil that makes up more than 50% of the composition that has the predominant color). In some mineral hydric soils, mottling may be absent and only the dark coloration occurs.

The coloration of the soil samples, matrix, and mottles is assessed using the Munsell Soil Color Charts (Munsell 2009). The Munsell Color System is the field and laboratory standard for classifying soil color, rocks, and archaeological specimens. The system has three components: hue (a specific color), value (lightness and darkness), and chroma (color intensity). Samples of these components are arranged in books of color chips, each of which is labeled to indicate the assigned value of each of these components. The soil sample is viewed through an aperture below each chip to compare and contrast the coloration until a best-match determination is made.

2.2.2 Delineating Waters of the State of California

2.2.2.1 Regional Water Quality Control Board

Evaluation of jurisdiction under the RWQCB traditionally followed guidance from Section 401 of the CWA, and generally consists of the same jurisdictional areas as ACOE. In addition, the wetland delineation procedures were followed per the "State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State" (April 2019).

2.2.2.2 California Department of Fish and Wildlife Jurisdiction

CDFW jurisdiction typically includes water features with a defined bed and bank. Evaluation of potentially jurisdictional areas followed the guidance of relevant CDFW materials and standard practices by CDFW personnel. CDFW jurisdiction was delineated by measuring the outer width and length boundaries of potentially jurisdictional areas, consisting of the greater of either the top of bank measurement or the extent of associated riparian or wetland vegetation.

2.2.3 Delineating Wetlands Defined under the Municipal Code

Focus of field surveys for wetlands defined by the city focused on naturally occurring wetland vegetation communities, hydric soils and wetland hydrology. The Municipal Code was followed to define the limits of city defined wetlands.

2.2.4 Limitations

This report describes the delineated features, existing conditions and expected jurisdictional status within the Project. The information and results included herein document the investigation, best professional judgment, and conclusions of BLUE. It is correct and complete to the best of our knowledge. However, all jurisdictional determinations should be considered preliminary until reviewed and approved by the regulatory agencies.

2.3 SUMMARY OF REGULATIONS

There are four primary agencies that regulate activities within creeks, wetlands and riparian areas in California. The U.S. Army Corps of Engineers Regulatory Program regulates activities pursuant to Section 404 of the Federal Clean Water Act (CWA).

The State Water Resources Control Board (SWRCB), administered by the Riverside Regional Water Quality Control Board regulates activities pursuant to Section 401 of the Federal CWA and the California Porter-Cologne Water Quality Control Act of 1969 (California Water Code). The CDFW regulates activities within streambeds, lakes, and wetlands pursuant to Division 2, Chapter 6, Section 1600 of the Fish and Game Code.

Any project that involves disrupting or otherwise working within a creek, wetland or riparian area may require permits from the City, ACOE, RWQCB and/or the CDFW before any work can commence.

The ACOE will not issue its authorization until the RWQCB completes the Section 401 permit. Application to the CDFW for a 1600 Agreement and the RWQCB for a Section 401 permit both require submittal of a valid California Environmental Quality Act (CEQA) document, with the City being the lead agency. A site development permit from the City would be required.

2.3.1 Waters of the US

The Army Corps of Engineers and the Environmental Protection Agency (EPA) have issued a set of guidance documents detailing the process for determining Clean Water Act (CWA) jurisdiction over waters of the U.S. under the 2020 ACOE Navigable Waters Protection Rule (2020 Rule). This supersedes all previous court decisions and rules. The EPA and ACOE issued this Rule in January of 2020 and is in full effect at the time of this report preparation and is utilized for determining the jurisdiction over waters of the United States under the CWA. The complete set of guidance documents, summarized as key points below, were used to collect relevant data for evaluation to determine ACOE jurisdiction over the project limits.

The 2020 Rule redefines "Waters of the United States" (WoUS) so that it includes only four simple categories of jurisdictional waters and provides clear exclusions for many water features that traditionally have not been regulated. The significant nexus test is no longer in effect. These four categories protect the nation's navigable waters and the core perennial and intermittent tributary systems that flow into those waters.

(1) Territorial seas and traditional navigable waters (TNWs) [Category (a)(1)]

The 2020 Rule regulates territorial seas and traditional navigable waters include large rivers and lakes and tidally-influenced waterbodies used in interstate or foreign commerce.

(2) Tributaries [Category (a)(2)]

The 2020 Rule regulates tributaries include perennial and intermittent rivers and streams that contribute surface flow to traditional navigable waters in a typical year. These tributaries must have perennial or intermittent flow. Ephemeral drainages are no longer regulated under the 2020 Rule. Tributaries can connect to a traditional navigable water or territorial sea in a typical year either directly or through other WoUS, through channelized non-jurisdictional surface waters, through artificial features (including culverts and spillways), or through natural features (including debris piles and boulder fields). Ditches are to be considered tributaries only where they satisfy the flow conditions of the perennial and intermittent tributary definition and either were constructed in or relocate a tributary or were constructed in an adjacent wetland and contribute perennial or intermittent flow to a traditional navigable water in a typical year.

(3) Lakes, ponds, and impoundments of jurisdictional waters [Category (a)(3)]

Lakes, ponds, and impoundments of jurisdictional waters are jurisdictional where they contribute surface water flow to a traditional navigable water or territorial sea in a typical year either directly or through other WoUS through channelized non-jurisdictional surface waters, through artificial features (including culverts and spillways)

or through natural features (including debris piles and boulder fields). Lakes, ponds, and impoundments of jurisdictional waters are also jurisdictional where they are flooded by a WoUS in a typical year.

(4) Adjacent wetlands [Category (a)(4)]

Wetlands that physically touch other jurisdictional waters are “adjacent wetlands”. This includes marshland habitats in tidal estuaries.

Wetlands separated from a WoUS by only a natural berm, bank or dune are also “adjacent.” Wetlands inundated by flooding from a WoUS in a typical year are “adjacent.” Wetlands that are physically separated from a jurisdictional water by an artificial dike, barrier, or similar artificial structure are “adjacent” so long as that structure allows for a direct hydrologic surface connection between the wetlands and the jurisdictional water in a typical year, such as through a culvert, flood or tide gate, pump, or similar artificial feature.

An adjacent wetland is jurisdictional in its entirety when a road or similar artificial structure divides the wetland, as long as the structure allows for a direct hydrologic surface connection through or over that structure in a typical year.

The ACOE generally takes jurisdiction within rivers and streams to the "ordinary high water mark (OHWM)," determined by erosion, the deposition of vegetation or debris, and changes in vegetation or soil characteristics.

The 2020 also outlines what are not WoUS. The following waters/features are not jurisdictional under the 2020 Rule:

- Waterbodies that are not included in the four categories of WoUS listed above.
- Groundwater, including groundwater drained through subsurface drainage systems, such as drains in agricultural lands.
- Ephemeral features, including ephemeral streams, swales, gullies, rills, and pools.
- Diffuse stormwater run-off and directional sheet flow over upland.
- Many farm and roadside ditches.
- Prior converted cropland retains its longstanding exclusion, but is defined for the first time in the 2020 Rule. The agencies are clarifying that this exclusion will cease to apply when cropland is abandoned (i.e., not used for, or in support of, agricultural purposes in the immediately preceding five years) and has reverted to wetlands.
- Artificially irrigated areas, including fields flooded for agricultural production, that would revert to upland should application of irrigation water to that area cease.
- Artificial lakes and ponds, including water storage reservoirs and farm, irrigation, stock watering, and log cleaning ponds, constructed or excavated in upland or in non-jurisdictional waters.
- Water-filled depressions constructed or excavated in upland or in non-jurisdictional waters incidental to mining or construction activity, and pits excavated in upland or in non-jurisdictional waters for the purpose of obtaining fill, sand, or gravel.
- Stormwater control features excavated or constructed in upland or in non-jurisdictional waters to convey, treat, infiltrate, or store stormwater run-off.

- Groundwater recharge, water reuse, and wastewater recycling structures, including detention, retention and infiltration basins and ponds, that are constructed in upland or in non-jurisdictional waters
- Waste treatment systems have been excluded from the definition of WoUS since 1979 and will continue to be excluded under the 2020 Rule.

2.2 California Department of Fish and Wildlife Jurisdiction

Pursuant to Division 2, Chapter 6, Section 1602 of the Fish and Game Code, CDFW regulates all diversions, obstructions, or changes to the natural flow or bed, channel or bank of any river, stream, or lake which supports fish or wildlife. A notification of a Lake or Streambed Alteration Agreement must be submitted to CDFW for "any activity" that may substantially change the bed, channel, or bank of any river, stream, or lake." In addition, CDFW has jurisdiction over riparian habitats associated with watercourses. Jurisdictional waters are delineated by the outer edge of riparian vegetation or at the top of the bank of a stream or lake, whichever is wider. CDFW jurisdiction does not include tidal areas or isolated resources. The CDFW reviews proposed actions, and if necessary, submits to the applicant a proposal that includes measures to protect affected fish and wildlife resources. The final proposal that is mutually agreed upon by CDFW and the applicant is the Lake or Streambed Alteration Agreement (LSAA).

2.3 Regional and State Water Quality Control Board Jurisdiction

The SWRCB together with the local RWQCB are the principal state agency with primary responsibility for the coordination and control of water quality. In Riverside County, the Riverside Regional Water Quality Control Board regulates water quality activities, pursuant to Section 401(a)(1) of the federal CWA as well as the Porter Cologne Water Quality Control Act (Porter-Cologne) (Water Code Section 13260). Section 401 of the CWA specifies that certification from the State is required for any applicant requesting a federal license or permit to conduct any activity including but not limited to the construction or operation of facilities that may result in any discharge into navigable waters. The certification shall originate from the State in which the discharge originates or will originate, or, if appropriate, from the interstate water pollution control agency having jurisdiction over the navigable water at the point where the discharge originates or will originate. Any such discharge will comply with the applicable provisions of Sections 301, 302, 303, 306, and 307 of the CWA.

In April 2019, the SWRCB adopted a "State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State" (Procedures). The Procedures consist of four major elements for State-regulated wetlands: 1) a wetland definition; 2) wetland delineation procedures; 3) a framework for determining if a feature that meets the wetland definition is a water of the state; and 4) procedures for the submittal, review and approval of applications for Water Quality Certifications and Waste Discharge Requirements for dredge or fill activities. In adopting the Procedures, the State Water Board directed staff to develop implementation guidance for potential applicants.

2019 New Wetland Definition and Procedures

In 2019, the SWRCB issued "New Wetland Definition and Procedures of 2019" (Procedures) for redefining State "wetlands" was enacted to ensure State waters are protected, clarifying the State definition of a "wetland". In April 21, 2020 the SWRCB issued the "Implementation Guidance for the State Wetland Definition and Procedures for Discharges of Dredged or Fill Material to Waters of the State" , providing guidance for implementing the 2019

Procedures. The wetland definition and delineation methods set forth in the Procedures apply to wetlands only, and not to non-wetland Waters of the State.

Wetland Waters of the State

The Procedures define an area as wetland as follows - An area is wetland if, under normal circumstances:

(1) The area has continuous or recurrent saturation of the upper substrate caused by groundwater, or shallow surface water, or both;

(2) The duration of such saturation is sufficient to cause anaerobic conditions in the upper substrate; and

(3) The area's vegetation is dominated by hydrophytes or the area lacks vegetation.

This modified three-parameter definition is similar to the federal definition in that it identifies three wetland characteristics that determine the presence of a wetland: wetland hydrology, hydric soils and hydrophytic vegetation. Unlike the federal definition however, the Procedures' wetland definition allows for the presence of hydric substrates as a criteria for wetland identification (not just wetland soils) and wetland hydrology for an area devoid of vegetation (less than 5% cover) to be considered a wetland. However, if any vegetation is present then the ACOE delineation procedures would apply to the vegetated component (i.e., hydrophytes must dominate). When determining the boundary of wetlands (vegetated or not) applicants can rely on Part II of the 1987 ACOE Manual that provides information that is sufficient to determine wetland boundaries for compliance with the Procedures.

The ACOE definition refers to "saturated soil conditions," whereas the Procedures' definition refers to saturated substrate leading to "anaerobic conditions in the upper substrate" which is a more inclusive term. Both of these descriptions define conditions that would lead to dominance of hydrophytes, if the site is vegetated. The Procedures definition refers to "continuous or recurrent saturation of the upper substrate." Continuous saturation describes hydrological conditions that are perennial or tend to persist for at least twelve months. Recurrent saturation describes hydrological conditions that persist for less than twelve months. Hydrological conditions may be periodic and sustained regularly (i.e., tidewater) or episodic and intermittent, (i.e., vernal pools). In order for the recurrent saturation to support the development of anaerobic conditions, the substrate must become, and remain, saturated for a duration of 14 days during an annual cycle.

Waters of the State

California Code of Regulations, title 23, section 3831(w) states that" *"[a]ll waters of the United States are also 'Waters of the State*.'" The regulation reflects the SWRCB intent to include a broad interpretation of Waters of the US into the definition of Waters of the State. Waters of the State includes features that have been determined by the U.S. EPA or the ACOE to be WoUS in an approved jurisdictional determination; WoUS identified in an aquatic resource report certified by the ACOE upon which a permitting decision was based; and features that are consistent with any *current or historic* final judicial interpretation of WoUS or any *current or historic* federal regulation defining WoUS Because the interpretation of waters of the U.S. in place at the time section 3831(w) was adopted was broader than any post-Rapanos or post-SWANCC regulatory definitions that incorporated more limitations into the scope of federal jurisdiction, it is consistent with the SWRCB's intent to include both historic and current definitions of Waters of the US into the SWRCB's wetland jurisdictional framework. A wetland will continue to be protected when it has been regulated in the past as a WoUS regardless of any subsequent changes

in federal regulations. The inclusion of both current and historic definitions of WoUS ensures regulatory stability in an area that has otherwise been in flux. Like the other categories of the SWRCB's wetland jurisdictional framework, the status as a WoUS may only be used to establish that a wetland qualifies as a Water of the State. It cannot be used to exclude a wetland from qualifying as a Water of the State. Thus, wetlands that are categorically excluded from qualifying as a WoUS may nevertheless qualify as Waters of the State under another jurisdictional category.

Jurisdictional Framework

The jurisdictional framework is intended to exclude small (less than an acre) artificially-created, temporary features, such as tire ruts or other transient depressions caused by human activity from regulation, while still capturing smaller, naturally-occurring features, such as seasonal wetlands and small vernal pools that may be outside of federal jurisdiction. All artificial wetlands that are less than an acre in size and do not satisfy the criteria listed in section II.2, II.3.a, II.3.b, or II.3.c are not Waters of the State. Note that this jurisdictional framework applies only to features meeting the technical definition of a wetland.

If an aquatic feature does not meet the definition of a wetland, it may nonetheless be a different type of aquatic feature that may still be regulated as a non-wetland Water of the State (e.g., lakes, streams, and ocean waters). The Procedures do not include guidance for jurisdictional determinations for other Waters of the State. Non-wetland Waters of the State typically follow ACOE regulations, however under the 2020 Rule, ephemeral drainages are excluded. No regulatory guidance has been issued by the SWRCB regarding the delineation of ephemeral drainages, however, until further notice the use of the OHWM will be used to delineate such resources.

Porter-Cologne Act

In the Porter-Cologne, the Legislature declared that the "State must be prepared to exercise its full power and jurisdiction to protect the quality of the waters in the State from degradation..." (California Water Code Section 13000). Porter-Cologne grants the Boards the authority to implement and enforce the water quality laws, regulations, policies and plans to protect the groundwater and surface waters of the State. It is important to note that enforcement of the State's water quality requirements is not solely the purview of the Boards and their staff. Other agencies [e.g., CDFW] have the ability to enforce certain water quality provisions in state law.

The Porter Cologne Act requires "any person discharging waste, or proposing to discharge waste, within any region that could affect the Waters of the State to file a report of discharge (an application for waste discharge requirements (WDRs))" (Water Code § 13260(a)(1)). Discharge of fill material into Waters of the State which does not fall under the jurisdiction of the ACOE pursuant to Section 404 of the CWA may require authorization through application for WDRs or through waiver of WDRs.

3.0 RESULTS

BLUE biologist Mike Jefferson conducted the general and upland biological surveys over the BSA on January 10, 2022; beginning at 9:30 and ending at 10:40. Weather conditions during the surveys included 20% clear skies, with temperatures ranging from 63° to 65° Fahrenheit, and winds from 1 to 3 miles per hour. A second biological site survey for the developed parcel was conducted on March 8, 2023; beginning at 10:10 and ending at 10:40. Weather conditions during the surveys included 10% clear skies, with temperatures ranging from 56° to 58°

Fahrenheit, and gusts of wind from 5 to 10 miles per hour. The completed jurisdictional wetland delineation survey by qualified senior biologist Mike Jefferson was completed on April 14, 2024; beginning at 1610 and ending at 1650. Weather conditions during the surveys included 100% cloud cover, with temperatures ranging from 62° to 61° Fahrenheit, and gusts of wind from 5 to 10 miles per hour. No measurable precipitation was recorded in the prior 7 days.

3.1 VEGETATION COMMUNITIES/LAND COVER TYPES

As noted, two vegetation community/land cover types were observed within the BSA. Offsite, the existing road infrastructure and onsite, Developed Area and Agricultural/Disturbed area (Table 1; Figure 4). No natural (un-maintained) native plant species were observed onsite.

Table 1: On-Site Vegetation

Community Type	Onsite Acres	Offsite Acres	Total
Developed	4.1	9.95	14.05
Agricultural/Disturbed	22.45	0.0	22.45
Total	26.55	9.95	36.5

Communities/Land Cover Types Observed

3.1.1 Urban/Developed

Developed and semi-urban areas contain numerous and varied horticultural plantings located within landscaping, residential yards, active-use parklands, and golf courses. In the older, urbanized portions of the City, tall exotic plantings, such as eucalyptus trees (*Eucalyptus sp*.) with allelopathic toxins that tend to inhibit understory growth, form well developed, and dense woodlands. Occasionally, other planted woodlands such as introduced pines, ash, and elm are present. Disturbed areas are typically located adjacent to urbanization and contain a mix of primarily weedy species, including non-native forbs, annuals, and grasses, usually found pioneering on recently disturbed soils. Characteristic weedy species include prickly sow thistle (*Sonchus asper*), common sow thistle (*Sonchus oleraceus*), bristly ox-tongue (*Picris echioides*), Russian thistle (*Salsola tragus*), giant reed, hottentot-fig (*Carpobrotus edulis*), wild lettuce (*Lactuca serriola*), tree tobacco (*Nicotiana glauca*), castor-bean (*Ricinus communis*), pampas grass, smooth cat's-ear (*Hypochoeris glabra*), red-stem filaree (*Erodium cicutarium*), short-beak filaree (*Erodium brachycarpum*) and white-stem filaree (*Erodium moschatum*). These urban lands do not typically contain native vegetation or provide essential habitat connectivity; and therefore, tend to have reduced biological value.

Onsite, a total of approximately 4.1 acres of Urban/Developed habitat was observed. Onsite, this developed parcel is comprised of an existing large office structure, paved parking with ornamental Sycamore and Pepper trees as well as planters dominated by maintained/irrigated creeping rosemary and non-native/exotic turf species.

Offsite, within the mapped disturbed and developed portion of the BSA adjacent to the flood control channel, Indian Street and Harley Knox Boulevard, are proposed infrastructure improvements (Project Plans, attached). The offsite improvements include the connection of the Project to the flood control channel to the north, improvement of Indian Street to the east and Harley Knox Boulevard frontage off of the SE corner.

3.1.2 Agricultural/Disturbed

Developed and semi-urban areas contain numerous and varied horticultural plantings located within landscaping, residential yards, active-use parklands, and golf courses. In the older, urbanized portions of the City, tall exotic plantings, such as pepper and eucalyptus trees (Eucalyptus sp.) with allelopathic toxins that tend to inhibit understory growth, form well developed, and dense woodlands.

Occasionally, other planted woodlands such as introduced pines, ash, and elm are present. Disturbed areas are typically located adjacent to urbanization and contain a mix of primarily weedy species, including non-native forbs, annuals, and grasses, usually found pioneering on recently disturbed soils. Characteristic weedy species include prickly sow thistle (Sonchus asper), common sow thistle (*Sonchus oleraceus*), bristly ox-tongue (*Picris echioides*), Russian thistle (*Salsola tragus*), giant reed, hottentot-fig (*Carpobrotus edulis*), wild lettuce (*Lactuca serriola*), tree tobacco (*Nicotiana glauca*), castor-bean (Ricinus communis), pampas grass, smooth cat's-ear (*Hypochoeris glabra*), red-stem filaree (*Erodium cicutarium*), short-beak filaree (*Erodium brachycarpum*) and white-stem filaree (*Erodium moschatum*). These urban lands do not typically contain native vegetation or provide essential habitat connectivity; and therefore, tend to have reduced biological value.

Onsite, Agricultural/Disturbed lands (22.45 acres) are the dominant habitat within the BSA. These areas are farmed currently, or in the recent past, and are actively utilized/maintained. The plant community is dominated by typical non-native weedy species, non-native invasive grass grasses, *erodium* spp., Russian thistle (*Salsola tragus*) and prickly lettuce (*Lactuca serriola*); all non-native species.

3.2 PLANT AND WILDLIFE SPECIES

Plant and wildlife species observed onsite were typical of developed and disturbed habitats. All plant and wildlife species observed onsite are listed in Table 2 and Table 3, respectively.

Table 2: Plant Species Observed Onsite

Species	Common Name
*Erodium cicutarium**	Red-stem erodium
Rosmarinus officinalis 'Prostratus'	Creeping Rosemary
Platanus occidentalis	American Sycamore
*Salsola tragus**	Russian thistle
*Schinus mole**	Pepper Tree
Tamarix spp.	Salt Cedar
** non-native species*	

Table 3: Wildlife Species Observed within the Survey Area

Scientific Name	Common Name
Birds	
Columbidae	**Pigeons and Doves**
Columba livia	rock dove (pigeon)
Corvidae	**Jays and Crows**
Corvus corax	common raven
Mammals	
Sylvilagus sp.	rabbit (sign)

3.2.1 SPECIAL-STATUS PLANTS

Eleven special-status plant species have been reported to occur within the Perris quadrangle (CDFW 2019, CNPS 2023, County of Riverside 2003). Three species are designated with federal and/or state listing status: San Jacinto Valley crownscale (*Atriplex coronata* var. *notatior*), thread-leaved brodiaea (*Brodiaea filifolia*), and spreading navarretia (*Navarretia fossalis*).

Due to the highly disturbed, developed and maintained nature of the property, all eleven special-status plant species were determined to have an "Absent" potential for occurrence within the survey area and no further survey is necessary to determine presence or absence of those species.

3.2.2 SPECIAL-STATUS WILDLIFE

Fifteen special-status wildlife species have been reported to occur within the Perris quadrangle (Appendix C) (CDFW 2015, County of Riverside 2003). Three species, Stephens' kangaroo rat (*Dipodomys stephensi),* coastal California gnatcatcher (*Polioptila californica californica)* and least Bell's vireo (*Vireo belli pusillus*) are listed as federally and/or state threatened or endangered.

Due to the disturbed, developed and maintained nature of the property, all fifteen special-status wildlife species were determined to have an "Absent" potential for occurrence within the BSA and no further survey is necessary to determine presence or absence of these species.

3.2.3 WESTERN RIVERSIDE COUNTY MULTIPLE SPECIES HABITAT CONSERVATION PLAN (MSHCP)

The BSA and Project site is located within the Mead Valley Area Plan outside of any MSHCP designated Criteria Cells or Cell Groups (Table 4) (County of Riverside, 2012a). The Project is not subject to Cell Criteria compliance under the MSHCP. The Project site does not include any MSHCP Conserved Lands or PQP lands. Public and private development projects that are carried out within the Mead Valley Area Plan, but outside of the Criteria Areas and Public/Quasi-Public Lands (e.g., such as this Project), are permitted under the MSHCP subject to compliance with MSHCP policies that apply outside Criteria Areas.

Due to the numerous mammal burrows onsite, a burrowing owl assessment was completed according to the Burrowing Owl Survey Instructions for the Western Riverside County Multiple Species Habitat Conservation Plan

Area (County of Riverside 2006).

No burrowing owls or burrowing owl sign was observed. Due to the location (surrounded by developed area, not adjacent to quality habitat) as well as the active use and maintenance of the developed area and farmed land, no burrowing owls are expected to occur onsite.

3.2.4 RIPARIAN/RIVERINE

Section 6.1.2 of the MSHCP defines Riparian/Riverine areas as "lands which contain Habitat dominated by trees, shrubs, persistent emergents, or emergent mosses and lichens, which occur close to or which depend upon soil moisture from a nearby fresh water source; or areas with fresh water flow during all or a portion of the year." Riparian/Riverine areas as defined by the MSHCP are not present within the survey area and will not be impacted by the Project.

No MSHCP defined riparian/riverine features were observed within the survey area.

3.2.5 VERNAL POOL AND FAIRY SHRIMP

Vernal pools, vernal swales, alkali scalds or flats, or other seasonal wet habitats were not identified within the BSA during field surveys conducted in January by a qualified biologist.

The BSA lacks suitable habitat for fairy shrimp species or other vernal pool species, including plants.

3.3 JURISDICTIONAL AQUATIC RESOURCES

The BSA does not contain any jurisdictional special aquatic resource areas such as waters, wetlands or areas under the regulatory jurisdiction of the USACE, CDFW, and RWQCB.

The identified flood control channel to the north of the property is a part of the larger developed and maintained stormwater infrastructure system through the city. The non-natural, maintained, soft-bottom flood control channel channel supports no hydrophytic vegetation and conveys the collected ephemeral storm-water flows from the surrounding impervious areas in the area to the east. As a result, proposed impacts within the flood control channel slope and basin (offsite, N, from the NE corner) would not be considered a significant jurisdictional wetland/waters impact.

4.0 CONCLUSIONS

No sensitive jurisdictional, riparian/riverine, upland vegetation and/or special aquatic resource areas were discovered within the BSA, and within the proposed on and offsite Project footprint, and none are expected to be impacted by the potential Project.

The literature review and field assessment data confirm that no special-status species currently utilize the BSA. The BSA lacks suitable habitat that would typically support special-status species or receive state or federal Endangered Species Act (ESA) protections. Consequently, there is no reasonable presumption of adverse impact to any special status species or their habitats as a result of Project implementation.

No Narrow Endemic Plant Species/Criteria Area plant species were observed on site during the habitat assessment. Due to the lack of habitat as a result of the property being developed, these species are not expected to occur on site. The BSA supports no riparian/riverine/vernal pool habitats or species associated with these habitat types.

Suitable habitat for burrowing owl was present; no potential burrows were observed (observed mammal burrows are mouse size - too small) within the survey area; no direct observations or burrowing owl sign (feathers, pellets, fecal material, prey remains, etc.) were made during the site assessment.

Burrowing owl has historically been observed in the project vicinity; however, no evidence of burrowing owl was observed within the survey area. The nearest previously-documented burrowing owl occurrences were located approximately 2 miles northwest of the BSA and were observed in 2001, and five burrowing owl were observed downstream in the flood control channel in 2009 (CDFW 2015). An additional occurrence of three burrowing owls located approximately 3 miles south of the BSA was observed in 2007.

Although no burrowing owl was observed, they could potentially inhabit the survey area in areas that were previously determined to be unoccupied. Per MSHCP Section 6.3.2, this Project site is within a mandatory Burrow Survey Area and is obligated to survey for burrowing owls during the environmental review process as indicated in the MSHCP "Additional Survey Needs and Procedures." As such, a pre-construction protocol survey for burrowing owls following the Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area (County of Riverside 2006) should be conducted to determine whether burrowing owls are subsequently occupying the survey area.

Surveys must be conducted within at least 30-days prior to any ground disturbance.

MM Bio 1: In order to avoid a potentially significant impact to potentially occurring burrowing owls, a pre-activity field survey (following the Burrowing Owl Survey Instructions for the Western Riverside Multiple Species Habitat Conservation Plan Area; County of Riverside 2006) shall be conducted and findings report will be completed and provided to City of Perris.

5.0 REFERENCES

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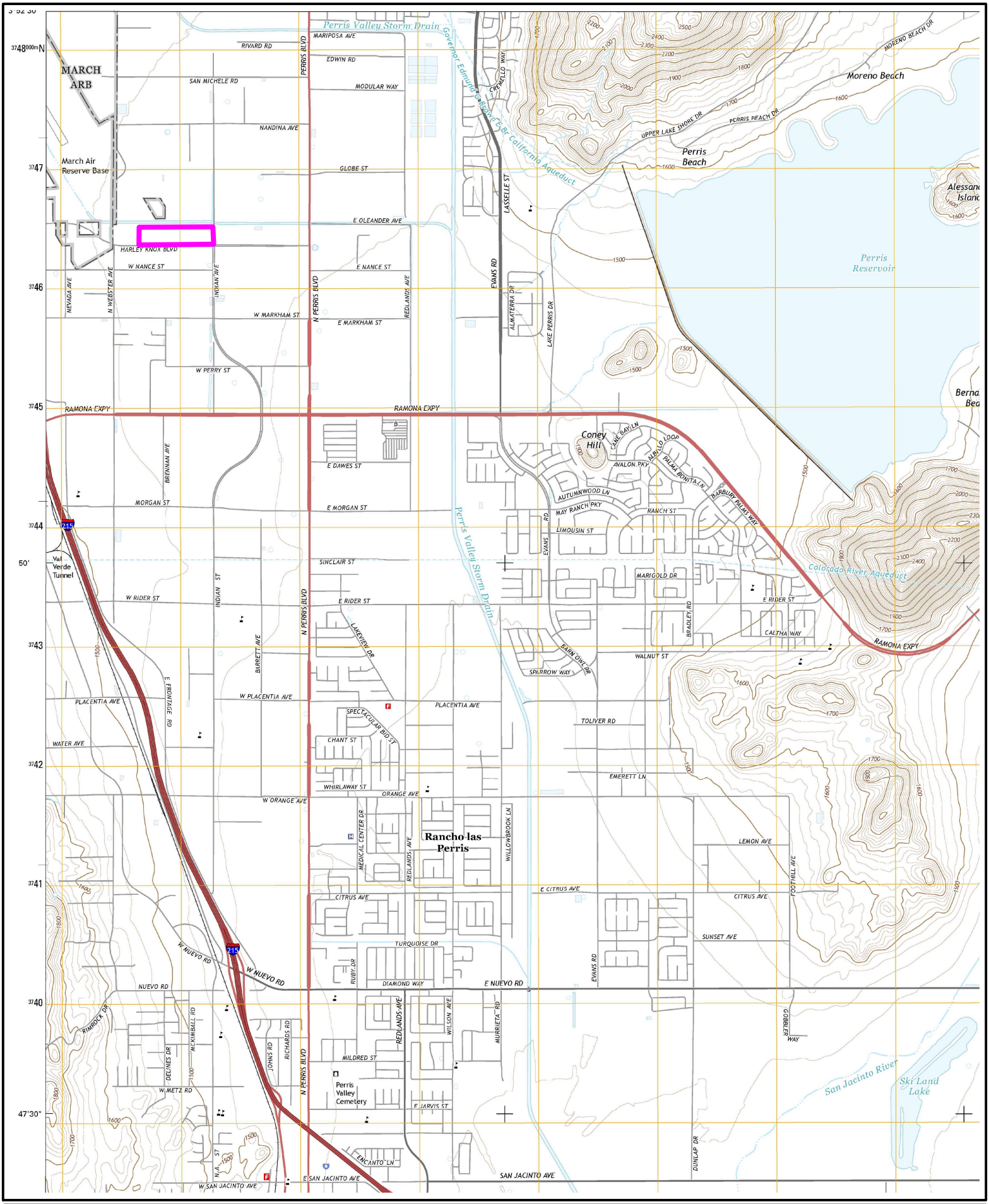
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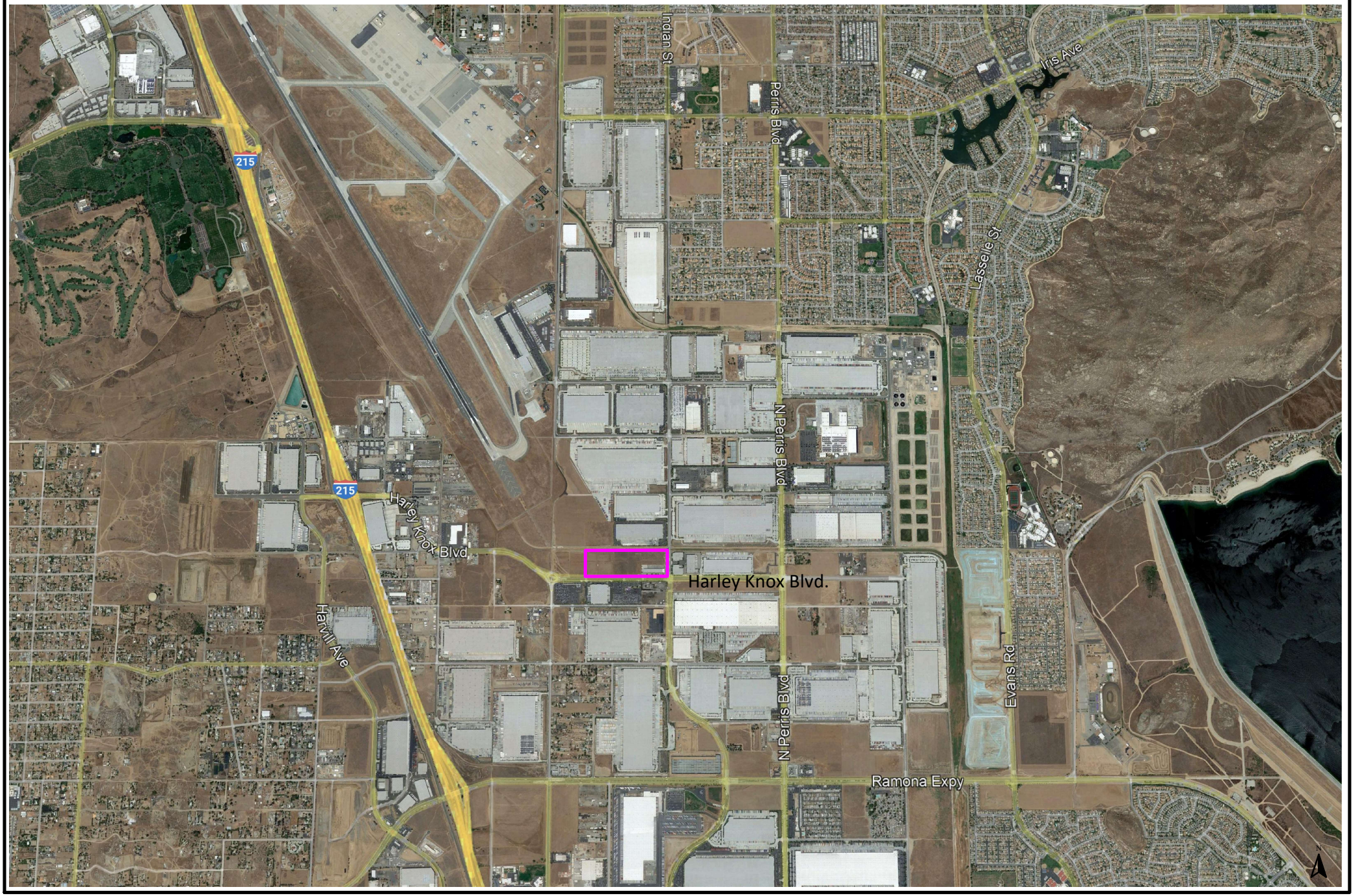
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Property

FIGURE 1
USGS Topo
Project Location



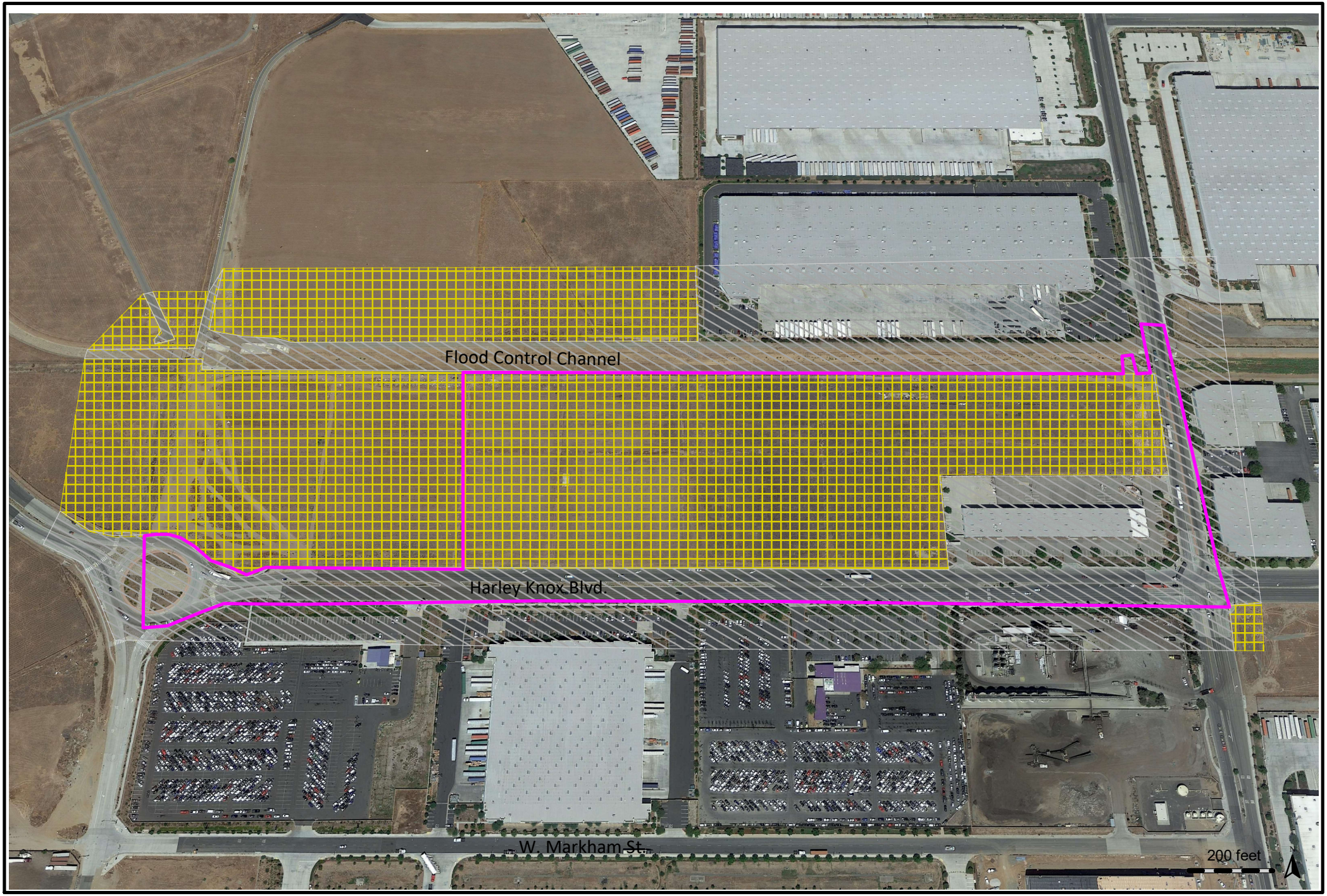
Property

FIGURE 2
Regional Location Map



Property

FIGURE 3
Property Aerial

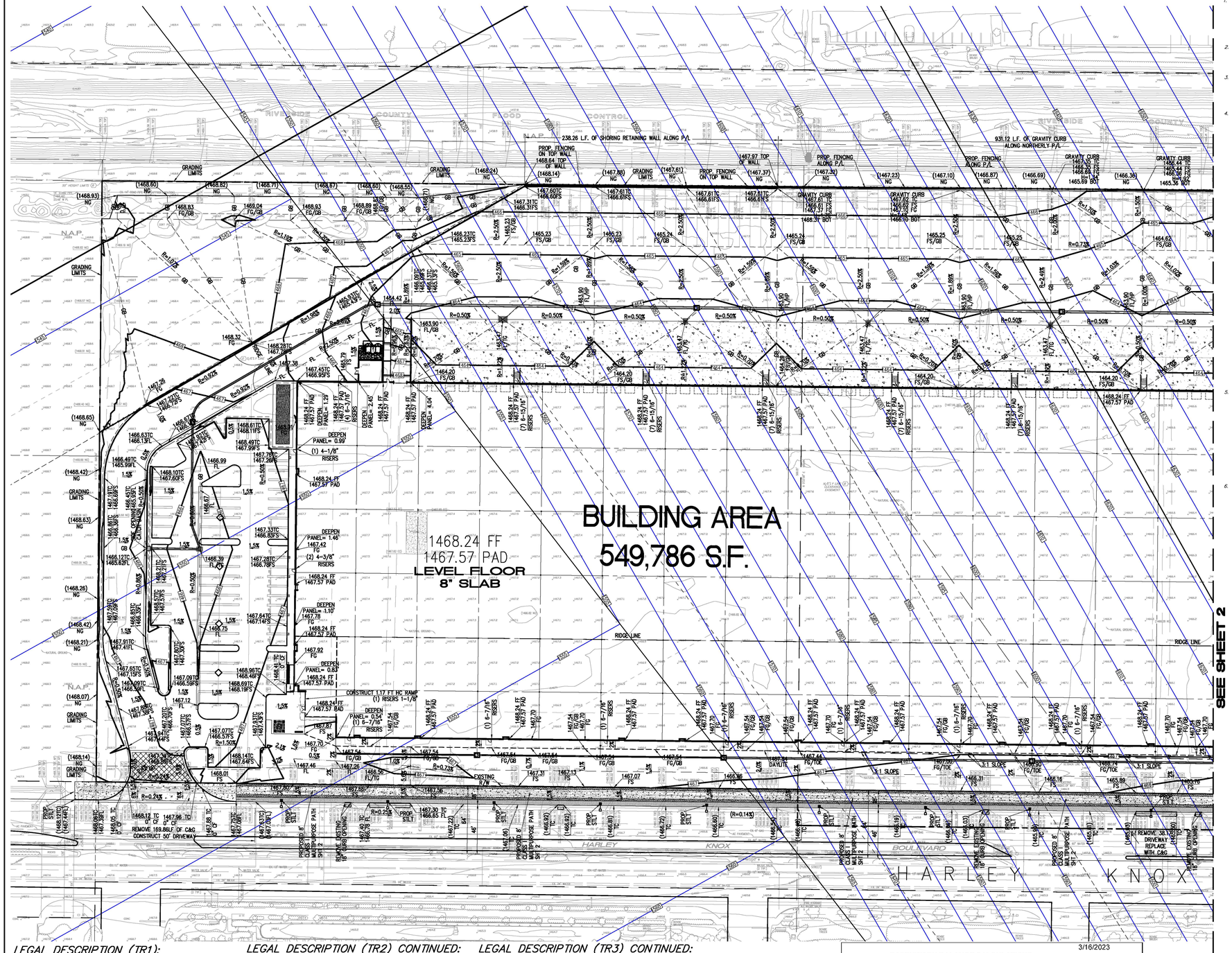


Property

Agricultural/Disturbed

Developed

FIGURE 4
Vegetation Map



SURVEYOR'S NOTES:

1. TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:
   (TR1) YONG SOOK KIM, IN FEE
   (TR2) STEPHEN R. HERRING, TRUSTEE OF THE STEPHEN R. HERRING TRUST DATED 6-24-2021, IN FEE
   (TR3) LILY C. CERRATO, IN FEE
   (TR4) PERRIS HARLEY KNOX, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY; IN FEE

2. PROJECT ADDRESS:
   (TR1) 657 HARLEY KNOX BOULEVARD
   (TR4) 480 HARLEY KNOX BOULEVARD
   PERRIS, CALIFORNIA

3. ASSESSOR'S PARCEL NUMBERS:
   (TR1) 302-020-043, 302-020-048
   (TR2) 302-020-013, 302-020-028, 302-020-038
   (TR3) 302-020-040
   (TR4) 302-020-032

4. PARCEL AREAS:
   LAND DESCRIBED IN (TR1):

LEGAL DESCRIPTION FEE:	373,615 S.F./8.577 ACRES
EXISTING STREET AREA:	0 S.F./0.000 ACRES
EASEMENT(S) AREA:	47,542 S.F./1.091 ACRES
PROPOSED STREET AREA:	0 S.F./0.000 ACRES
NET AREA = FEE − STREET − EASEMENT:	326,073 S.F./7.486 ACRES

   LAND DESCRIBED IN PARCEL A (TR2):

LEGAL DESCRIPTION FEE:	149,512 S.F./3.432 ACRES
EXISTING STREET AREA:	6,807 S.F./0.156 ACRES
EASEMENT REMAINDER AREA:	199 S.F./0.005 ACRES
PROPOSED STREET AREA:	3,857 S.F./0.089 ACRES
NET AREA = FEE − STREET − EASEMENT:	138,649 S.F./3.183 ACRES

   LAND DESCRIBED IN PARCEL B (TR2):

LEGAL DESCRIPTION FEE:	397,027 S.F./9.114 ACRES
EXISTING STREET AREA:	22,440 S.F./0.515 ACRES
EASEMENT REMAINDER AREA:	101 S.F./0.002 ACRES
PROPOSED STREET AREA:	0 S.F./0.000 ACRES
NET AREA = FEE − STREET − EASEMENT:	374,486 S.F./8.597 ACRES

   LAND DESCRIBED IN (TR3):

LEGAL DESCRIPTION FEE:	56,368 S.F./1.294 ACRES
EXISTING STREET AREA:	2,700 S.F./0.062 ACRES
PROPOSED STREET AREA:	696 S.F./0.016 ACRES
NET AREA = FEE − STREET:	52,972 S.F./1.216 ACRES

   LAND DESCRIBED IN (TR4):

LEGAL DESCRIPTION FEE:	178,628 S.F./4.101 ACRES
EXISTING STREET AREA:	25,991 S.F./0.597 ACRES
PROPOSED STREET AREA:	0 S.F./0.000 ACRES
NET AREA = FEE − STREET:	152,637 S.F./3.504 ACRES

   SUM OF THE LAND DESCRIBED HEREON:

LEGAL DESCRIPTION FEE:	1,155,150 S.F./26.519 ACRES
EXISTING STREET AREA:	57,838 S.F./1.330 ACRES
EASEMENT AREA:	47,842 S.F./1.098 ACRES
PROPOSED STREET AREA:	4,553 S.F./0.105 ACRES
NET AREA = FEE − STREET − EASEMENT:	1,044,817 S.F./23.986 ACRES

5. ZONING INFORMATION:
   (THE FOLLOWING ZONE DESIGNATIONS ARE PER CITY OF PERRIS PLANNING DEPARTMENT)
   GENERAL PLAN DESIGNATION: PVCC SP − PERRIS VALLEY COMMERCE CENTER
   ZONE DESIGNATION: GENERAL INDUSTRIAL
   SPECIAL ZONE: MARCH AIR RESERVE BASE (MARB) ZONES A, B1, B2

   NOTE: FOLLOWING ARE SELECTED ZONING AND/OR DEVELOPMENT REQUIREMENTS OF PARTICULAR RELEVANCE TO THE PROPERTY SHOWN HEREON, AND SHOULD NOT BE CONSTRUED AS REPRESENTING THE TOTALITY OF SUCH REQUIREMENTS THAT MAY BE ASSOCIATED WITH SAID PROPERTY. IT IS RECOMMENDED THAT INTERESTED PARTIES CONSULT AN OFFICIAL COPY OF THE COMPLETE MUNICIPAL ZONING CODE, AS WELL AS ANY EXISTING AGREEMENTS OR OTHER SIMILAR DOCUMENTS, FOR A GREATER DEMONSTRATION OF THE REQUIREMENTS ASSOCIATED WITH THE PROPERTY SHOWN HEREON.

6. SELECTED ZONING REQUIREMENTS (GENERAL INDUSTRIAL):
   (THE FOLLOWING REQUIREMENTS ARE PER PERRIS VALLEY COMMERCE CENTER SPECIFIC PLAN AND/OR PERRIS MUNICIPAL CODE)
   1) BUILDING SETBACK REQUIREMENTS (SECTION 4.1, TABLE 4.0−1):
      A. FRONT YARD (ARTERIAL STREETS−HARLEY KNOX BLVD. & INDIAN AVE): 15 FEET MINIMUM
      B. SIDE YARD (ADJOINING NON−RESIDENTIAL): NONE
      C. STREET SIDE YARD (SEE FRONT YARD REQ.)
      D. REAR YARD (ADJOINING NON−RESIDENTIAL): NONE
   2) HEIGHT RESTRICTIONS (SECTION 4.1, TABLE 4.0−1):
      A. MAXIMUM STRUCTURE HEIGHT: 50 FEET. STRUCTURE HEIGHTS MAY BE INCREASED TO A MAXIMUM OF 100−FEET ABOVE GRADE, PROVIDED THAT THE FRONT AND STREET SIDE YARDS ARE INCREASED AT LEAST ONE (1) FOOT FOR EVERY ONE (1) ONE−FOOT OF HEIGHT INCREASE BEYOND THE STANDARD SET FORTH IN SECTION 19.44.030 (PERRIS MUNICIPAL CODE) AND PROVIDED THAT SIDE AND REAR YARD SETBACKS ARE INCREASED BY ONE (1) ONE−FOOT FOR EVERY TWO (2) TWO−FOOT INCREASE BEYOND THE STANDARD SET FORTH IN SECTION 19.44.030.
      B. MAXIMUM STRUCTURE HEIGHT AT SETBACK: 20 FEET
   3) LOT AREA, WIDTH AND DEPTH (SECTION 4.1, TABLE 4.0−1):
      A. THE MINIMUM LOT AREA SHALL BE 15,000 S.F.
      B. MINIMUM LOT FRONTAGE: 75 FEET
      C. MINIMUM LOT WIDTH: 75 FEET
      D. MINIMUM LOT DEPTH: 100 FEET
   4) MAXIMUM STRUCTURE SIZE/FLOOR AREA RATIO (FAR) (SECTION 4.1, TABLE 4.0−1):
      A. 0.75 FAR
      B. MINIMUM STRUCTURE SEPARATION: NONE
   5) MAXIMUM LOT COVERAGE BY STRUCTURE (SECTION 4.1, TABLE 4.0−1):
      A. 50% OF LOT
   6) MINIMUM LANDSCAPE COVERAGE (SECTION 4.1, TABLE 4.0−1):
      A. 12% COVERAGE
   7) HEIGHT RESTRICTIONS PER FEDERAL AVIATION REGULATIONS PART 77(SECTION 12.1.1):
      A. THE FEDERAL GOVERNMENT HAS DEVELOPED STANDARDS FOR DETERMINING OBSTRUCTIONS IN NAVIGABLE AIRSPACE. FEDERAL AVIATION REGULATIONS PART 77 DEFINES A VARIETY OF IMAGINARY SURFACES AT CERTAIN ALTITUDES AROUND AIRPORTS. THE PART 77 SURFACES INCLUDE THE PRIMARY SURFACE, APPROACH SURFACE, TRANSITIONAL SURFACE, HORIZONTAL SURFACE AND CONICAL SURFACE. COLLECTIVELY, THE PART 77 SURFACES AROUND AN AIRPORT DEFINE A BOWL−SHAPED AREA WITH RAMPS SLOPING UP FROM EACH RUNWAY END. THE PART 77 STANDARDS ARE NOT ABSOLUTE HEIGHT RESTRICTIONS, BUT INSTEAD IDENTIFY ELEVATIONS AT WHICH STRUCTURES MAY PRESENT A POTENTIAL SAFETY PROBLEM. PENETRATIONS OF THE PART 77 SURFACE GENERALLY ARE REVIEWED ON A CASE BY CASE BASIS.
      B. HEIGHT LIMITATIONS WITHIN THE AIRPORT OVERLAY ZONE MAY POSE A DEVELOPMENT CONSTRAINT FOR THE PERRIS VALLEY COMMERCE CENTER SPECIFIC PLAN AS REFLECTED ON FIGURE 12.0−2, SECTION D.2 OF THE APPENDICES TO THE 2005 MARB AIR INSTALLATION COMPATIBLE USE ZONE (AICUZ) STUDY DESCRIBES HEIGHT AND OBSTRUCTION CRITERIA FOR LAND USES AROUND THE AIRFIELD PURSUANT TO PART 77 CRITERIA.1 THIS SECTION STATES THAT THE ESTABLISHED AIRFIELD ELEVATION FOR MARB IS 1,535 FEET ABOVE MEAN SEA LEVEL. THERE ARE SEVERAL DIFFERENT CONTROL SURFACES AND PLANES THAT OVERLAY THE PERRIS VALLEY COMMERCE CENTER SPECIFIC PLAN, ALL OF WHICH HAVE DIFFERENT HEIGHT LIMITATIONS IMPOSED UPON THEM.
   8) PARKING SPACE REQUIREMENTS (SECTION 19.69.030 (D.2.) PERRIS MUNICIPAL CODE):
      A. INDUSTRIAL USES:
         1) MANUFACTURING: ONE SPACE FOR EVERY 500 SQUARE FEET OF MANUFACTURING BUILDING AREA, AND ONE SPACE FOR EVERY COMPANY VEHICLE, AND THE SPACE REQUIRED FOR ADDITIONAL USES ON THE SITE; OR ONE SPACE FOR EVERY EMPLOYEE, WHICHEVER IS LARGEST.
         2) WAREHOUSING: ONE SPACE PER 1,000 SQUARE FEET OF GROSS FLOOR AREA FOR THE FIRST 20,000 SQUARE FEET AND ONE SPACE PER 2,000 SQUARE FEET FOR THAT PORTION OVER 20,000 SQUARE FEET.
         3) HIGH−CUBE WAREHOUSING: ONE SPACE PER 1,000 SQUARE FEET OF GROSS FLOOR AREA FOR THE FIRST 20,000 SQUARE FEET, PLUS ONE SPACE PER 2,000 SQUARE FEET FOR THE SECOND 20,000 SQUARE FEET, PLUS ONE SPACE PER 5,000 SQUARE FEET FOR THAT PORTION OVER 40,000 SQUARE FEET. PARKING FOR OFFICE AREA COMPRISING LESS THAN TEN PERCENT OF THE TOTAL GROSS SQUARE FOOTAGE OF THE BUILDING SHALL BE INCLUDED IN THIS CALCULATION; OFFICE AREA OVER TEN PERCENT SHALL BE CALCULATED AT THE PROFESSIONAL OFFICE RATE. TRUCK AND TRAILER PARKING SHALL BE PROVIDED AT THE RATE OF ONE OVERSIZED SPACE FOR EVERY 5,000 SQUARE FEET OF GROSS FLOOR AREA. TRUCK DOCKS SHALL NOT BE INCLUDED IN THIS CALCULATION.
   9) LOADING REQUIREMENTS (SECTION 19.69.040 PERRIS MUNICIPAL CODE):
      LOADING SPACES SHALL NOT BE LESS THAN 10 FEET IN WIDTH, 20 FEET IN LENGTH, AND 14 FEET IN HEIGHT, EXCEPT FOR THOSE SPACES INTENDED FOR USE BY TRACTOR TRAILERS WHICH SHALL BE A MINIMUM OF 12 FEET IN WIDTH 45 FEET IN LENGTH AND 14 FEET IN HEIGHT.

      A. COMMERCIAL BUILDINGS:

BUILDING AREA (S.F.)	REQUIRED MINIMUM NO. OF LOADING SPACES
10,000−25,000	1
25,001−50,000	2
50,001−75,000	3
75,001−105,000	4
105,001 OR MORE	5

      B. INDUSTRIAL BUILDINGS:

BUILDING AREA (S.F.)	REQUIRED MINIMUM NO. OF LOADING SPACES
20,000−50,000	1
50,001−100,000	2
100,001−150,000	3
150,001 OR MORE	4

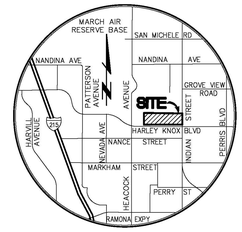
7. THE PROPERTY INDICATED HEREON IS SITUATED WITHIN THE FLOOD INSURANCE RATE MAP (F.I.R.M.) WITH MAP NO. 06065C1430G EFFECTIVE DATE: AUGUST 18, 2014, COMMUNITY NUMBER: 060258 FOR CITY OF PERRIS, PANEL NUMBER: 1430 SUFFIX: "H", LYING PARTIALLY WITHIN ZONE "X−UNSHADED" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AND PARTIALLY WITHIN ZONE "D" (AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, BUT POSSIBLE).

8. SUBJECT SITE DESCRIBED HEREON IS MADE UP OF SEVEN PARCELS, SIX OF WHICH CONSIST OF VACANT LAND, ONE PARCEL (TR4) (APN 302−020−032) IS CURRENTLY DEVELOPED WITH (1) ONE 1−STORY BUILDING, HAVING A TOTAL BUILDING PERIMETER FOOTPRINT AREA OF 41,680 SQ. F.T., WITH THE FOLLOWING PARKING SPACE COUNT:

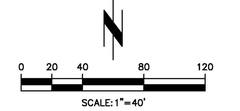
NUMBER OF REGULAR SPACES = 97
NUMBER OF HANDICAP SPACES = 6

TOTAL NUMBER OF PARKING SPACES = 103

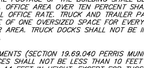
9. GEOLOGICAL HAZARDS:
   A. ALQUIST−PRIOLO SPECIAL STUDIES ZONES:
      THE STATE OF CALIFORNIA HAS NOT PROVIDED SUFFICIENT INFORMATION TO DETERMINE IF THE SUBJECT PROPERTY IS OUTSIDE OF ANY ALQUIST PRIOLO SPECIAL STUDIES ZONES BECAUSE NO SPECIAL STUDIES ZONES OFFICIAL MAP FOR PERRIS QUADRANGLE HAS BEEN PUBLISHED AS OF THIS DATE.
   B. SEISMIC HAZARD ZONES:
      THE STATE OF CALIFORNIA HAS NOT PROVIDED SUFFICIENT INFORMATION TO DETERMINE IF THE SUBJECT PROPERTY IS OUTSIDE OF ANY ZONE REQUIRING INVESTIGATION FOR LIQUEFACTION OR FOR EARTHQUAKE−INDUCED LANDSLIDES BECAUSE NO SEISMIC HAZARD ZONES OFFICIAL MAP FOR PERRIS QUADRANGLE HAS BEEN PUBLISHED AS OF THIS DATE.



VICINITY MAP
N.T.S.



FEDERAL AVIATION SURFACES:



CONTOURS OF THE "RUNWAYS SURFACE" OF THE MARCH AIR RESERVE BASE, CONSITIUE A SITE HEIGHT RESTRICTION AS DESCRIBED HEREON IN SURVEYOR'S NOTES 6.7 PARTS A & B.

OPTION A

LEGAL DESCRIPTION (TR1):

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

LOT 3 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY.

EXCEPTING THEREFROM THE SOUTH 30.00 FEET OF SAID LAND CONVEYED TO THE MARCH JOINT POWERS AUTHORITY BY GRANT DEED RECORDED OCTOBER 23, 2001 AS INSTRUMENT NO. 01−515011 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, MORE PARTICULARLY DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED AUGUST 23, 2006 AS INSTRUMENT NO. 2006−0622040 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE CITY OF PERRIS, MORE PARTICULARLY DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED AUGUST 11, 2011 AS INSTRUMENT NO. 2011−0352374 AND RE−RECORDED APRIL 12, 2012 AS INSTRUMENT NO. 2012− 0186687 BOTH OF OFFICIAL RECORDS.

FOR CONVEYANCING PURPOSES ONLY: APN 302−020−043 (PORTION OF LAND)
302−020−048 (PORTION OF LAND).

LEGAL DESCRIPTION (TR2):

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

PARCEL A:

THE NORTH ONE HALF OF LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA.

EXCEPT THAT PORTION LYING NORTH OF THE FOLLOWING DESCRIBED LINE:

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF SECTION 31, TOWNSHIP 3 SOUTH, RANGE 3 WEST SAN BERNARDINO BASE AND MERIDIAN AND THE EAST LINE OF WEBSTER AVENUE, AS SHOWN BY RECORD OF SURVEY ON FILE IN BOOK 65, PAGES 54 THROUGH 62, INCLUSIVE, RECORDS OF SAID RIVERSIDE COUNTY; THENCE SOUTHERLY 110.00 FEET, MORE OR LESS, ALONG SAID EAST LINE OF WEBSTER AVENUE TO A POINT, BEING SOUTH 200.00 FEET, MORE OR LESS, ALONG SAID EAST LINE FROM THE NORTH LINE OF THE PERRIS CITY LIMITS, SAID NORTH LINE ALSO BEING THE NORTH (SEE ABOVE RIGHT)

LEGAL DESCRIPTION (TR2) CONTINUED:

RIGHT OF WAY LINE OF THE PERRIS VALLEY STORM CHANNEL, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF PARCEL 11 OF THE PERRIS CITY ANNEXATION NUMBER 14 AS DESCRIBED IN ORDINANCE NUMBER 270, ADOPTED ON DECEMBER 17, 1963, RECORDS OF SAID CITY OF PERRIS; THENCE EASTERLY AND PARALLEL WITH SAID NORTH RIGHT OF WAY LINE OF THE PERRIS VALLEY STORM CHANNEL, ALSO BEING SAID NORTH LINE OF SAID PARCEL 11 A DISTANCE OF 2731.69 FEET, KNOWN HEREIN AS COURSE "A", TO THE CENTERLINE OF INDIAN STREET AS SHOWN ON SAID RECORD OF SURVEY.

PARCEL B:

LOT 2 OF BLOCK 3 OF RIVERSIDE TRACT, AS SHOWN BY MAP ON FILE IN BOOK 14 PAGE 668 OF MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

EXCEPTING THEREFROM THAT PORTION OF PROPERTY CONVEYED TO RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, RECORDED ON JUNE 08, 2004 AS INSTRUMENT NO. 2004−0436244 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THE SOUTH 30.00 FEET OF SAID LAND CONVEYED TO THE MARCH JOINT POWERS AUTHORITY BY GRANT DEED RECORDED OCTOBER 3, 2001 AS INSTRUMENT NO. 2001−480218 OF OFFICIAL RECORDS.

FOR CONVEYANCING PURPOSES ONLY: APN 302−020−013 (AFFECTS: PARCEL A) APN 302−020−028 (AFFECTS: PORTION OF PARCEL B)
APN 302−020−038 (AFFECTS: PORTION OF PARCEL B)

LEGAL DESCRIPTION (TR3):

REAL PROPERTY IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE(S) 668, OF MAPS, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA, EXCEPTING THAT PORTION LYING SOUTH OF THE FOLLOWING DESCRIBED LINE:

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF SAID SECTION 31 AND THE EAST LINE OF WEBSTER AVENUE AS SHOWN BY RECORD OF SURVEY ON FILE IN BOOK 65, PAGE 54, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA;

THENCE SOUTHERLY 110.00 FEET, MORE OR LESS, ALONG SAID EAST LINE OF WEBSTER AVENUE TO A POINT, BEING SOUTH 200.00 FEET, MORE OR LESS, ALONG SAID EAST LINE FROM THE NORTH LINE OF THE PERRIS CITY LIMITS, SAID NORTH LINE ALSO BEING THE NORTH RIGHT OF WAY LINE OF THE PERRIS VALLEY STORM CHANNEL, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF PARCEL 11 OF THE PERRIS CITY

LEGAL DESCRIPTION (TR3) CONTINUED:

ANNEXATION NUMBER 14 AS DESCRIBED IN ORDINANCE NUMBER 270, ADOPTED DECEMBER 17, 1963, RECORDS OF SAID CITY OF PERRIS;

THENCE EASTERLY AND PARALLEL WITH SAID NORTH RIGHT(S) OF WAY LINE OF THE PERRIS VALLEY STORM CHANNEL, ALSO BEING SAID NORTH LINE OF SAID PARCEL 11 A DISTANCE OF 2731.69 FEET, KNOWN HEREIN AS COURSE "A", TO THE CENTERLINE OF INDIAN STREET AS SHOWN ON SAID RECORD OF SURVEY.

ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT BY DEED RECORDED AUGUST 18, 2004 AS INSTRUMENT NO. 04.645812 OF OFFICIAL RECORDS.

APN: 302−020−040

LEGAL DESCRIPTION (TR4):

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

THE SOUTH ½ OF LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY, EXCEPT THAT PORTION DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 1, SAID SOUTHEAST CORNER BEING A POINT ON THE WEST LINE OF INDIAN AVENUE, 60.00 FEET WIDE; THENCE NORTH 89° 23' 55" WEST ALONG THE SOUTH LINE OF SAID LOT 1, A DISTANCE OF 629.62 FEET TO THE SOUTHWEST CORNER OF SAID LOT 1; THENCE NORTH 00° 31' 27" EAST ALONG THE WEST LINE OF SAID LOT 1, A DISTANCE OF 30.00 FEET OF THE NORTH LINE OF THE SOUTH 30.00 FEET OF SAID LOT 1.

THENCE SOUTH 89° 23' 55" EAST ALONG SAID NORTH LINE, A DISTANCE OF 592.59 FEET; THENCE NORTH 00° 36' 05" EAST A DISTANCE OF 29.00 FEET; THENCE NORTH 51° 00' 35" EAST A DISTANCE OF 29.85 FEET; THENCE SOUTH 89° 27' 09" EAST A DISTANCE OF 11.00 FEET TO THE WEST LINE OF THE EAST 3.00 FEET OF SAID LOT 1; THENCE NORTH 00° 32' 51" EAST ALONG THE WEST LINE OF THE EAST 3.00 FEET OF SAID LOT 1, A DISTANCE OF 100.00 FEET; THENCE SOUTH 89° 27' 09" EAST, A DISTANCE OF 3.00 FEET TO THE EAST LINE OF SAID LOT 1; THENCE SOUTH 00° 32' 51" WEST ALONG THE EAST LINE OF SAID LOT 1, A DISTANCE OF 178.03 FEET TO THE POINT OF BEGINNING.

FOR CONVEYANCING PURPOSES ONLY: APN 302−020−032

3/16/2023

EARTHWORK BALANCE CALCULATIONS

PROJECT: First Industrial Harley Knox
JOB#: 4066 - Option A

K.	SITE AREA:	1,089,873	SF
L.	SUBSIDENCE FACTOR:	0.13	FT
M.	SHRINKAGE FACTOR:	10.0	%
N.	SITE STRIPPING FACTOR:	0.04	
O.	OVEREXCAVATION:	94,550	CY
A.	CALCULATED CUT:	37,898	CY
B.	FOOTING AND ONSITE UTILITY SPOILS	7,837	CY
Ba.	OFFSITE SPOILS (STREET AND UTILITIES)		
C.	**TOTAL CUT: (A+B)**	45,735	CY
D.	CALCULATED FILL:	24,958	CY
E.	LIGHT PAVING FILL:	-	CY
F.	SUBSIDENCE: (LxK)/27=	5,069	CY
G.	SHRINKAGE: (M/100)C=	4,594	CY
H.	SITE STRIPPING	1,615	
I.	OVEREXCAVATION SHRINKAGE	9,498	CY
J.	**TOTAL FILL: (D+E+F+G+H)=**	45,735	CY
Q.	**TOTAL (IMPORT) OR EXPORT:**	(0)	CY
	SITE ADJUSTMENT	(0.00)	

SHEET INDEX:

SHEET 1&2 − CONCEPTUAL GRADING PLAN
SHEET 3&4 − CONCEPTUAL UTILITY PLAN
SHEET 5&6 − CONCEPTUAL STORM DRAIN PLAN
SHEET 7−8 − CONCEPTUAL STORM DRAIN AND SEWER PROFILES
SHEET 9 − CONCEPTUAL STREET LAYOUT FOR INDIAN AVENUE

PREPARED FOR:
First Industrial Realty Trust, Inc.
898 N. Pacific Coast Highway Blvd., Suite 175
El Segundo, CA 90245
PHONE: (310) 414−5400
CONTACT: Matt Pioli
EMAIL: mpioli@firstindustrial.com

Thienes Engineering, Inc.
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14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521−4811 FAX(714)521−4173

Last Update: 5/5/23
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CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

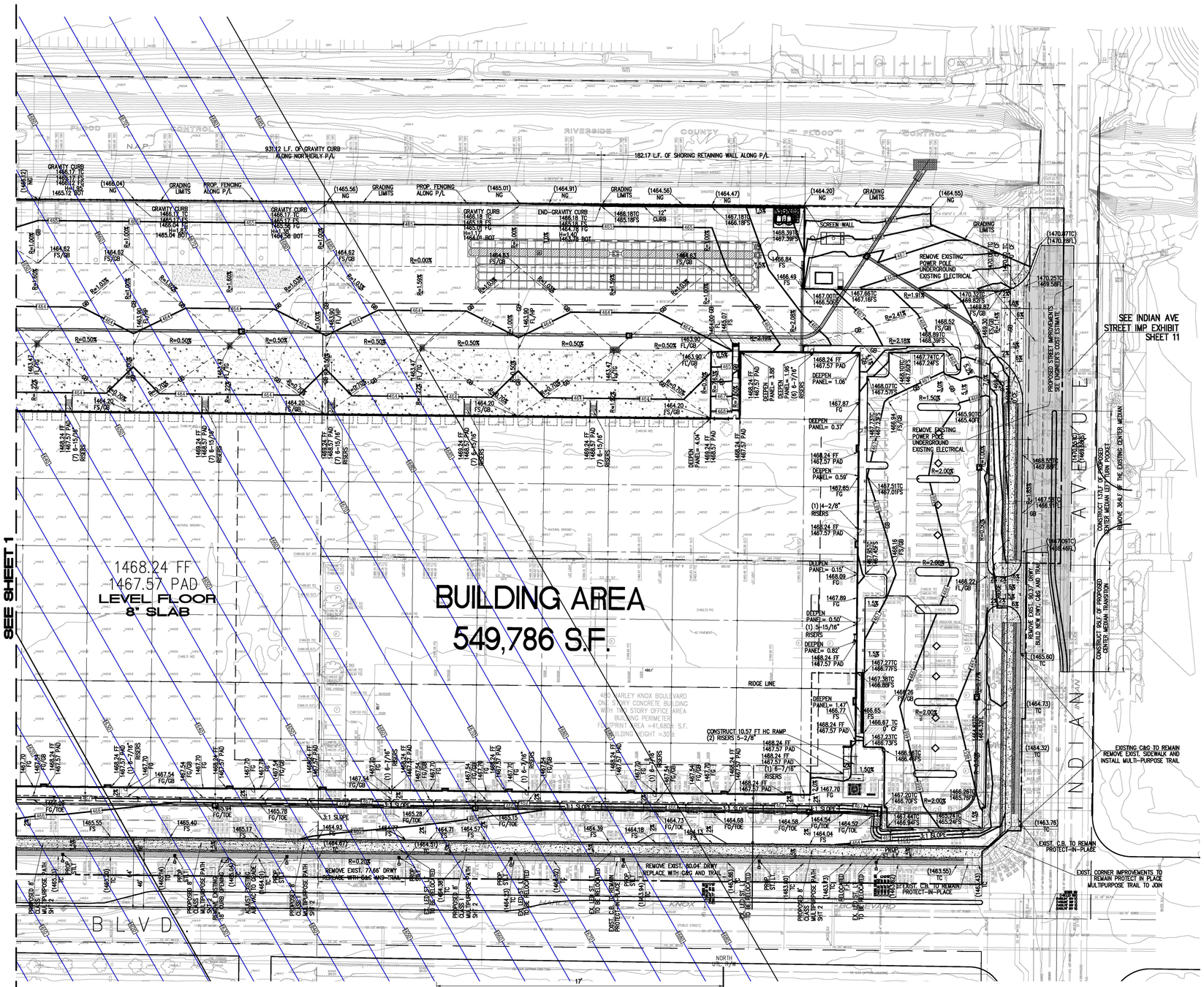
CONCEPTUAL GRADING PLAN

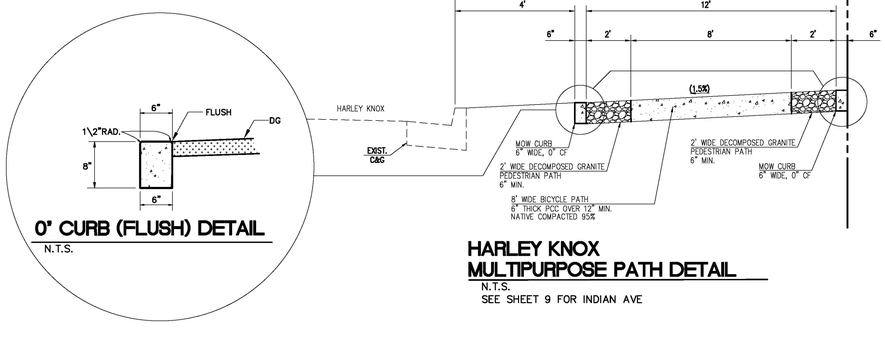
HARLEY KNOX INDUSTRIAL DEVELPMENT

Designed by		Approved by	Date
Date			
Checked by			
Date		Public Works Director	R.C.E. XXXXX
Designed by			
Date			
Checked by			
Date			

Sheet 1 of 9 Sheets

4066/1 OF 9 SHEET





0" CURB (FLUSH) DETAIL
N.T.S.

HARLEY KNOX MULTIPURPOSE PATH DETAIL
N.T.S.
SEE SHEET 9 FOR INDIAN AVE

FEDERAL AVIATION SURFACES:

CONTOURS OF THE "RUNWAYS SURFACE" OF THE MARCH AIR RESERVE BASE, CONSTITUE A SITE HEIGHT RESTRICTION AS DESCRIBED ON SHEET 1 IN SURVEYOR'S NOTES 6.7 PARTS A & B.

0 20 40 80 120
SCALE: 1"=40'

OPTION A

CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

CONCEPTUAL GRADING PLAN

HARLEY KNOX INDUSTRIAL DEVELPMENT

PREPARED FOR:
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Last Update:1/25/22
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Designed by		Approved by	Date
Date			
Checked by			
Date			
Designed by		Public Works Director	R.C.E. XXXXX
Date			
Checked by			
Date		Sheet 2 of 9 Sheets	

4066/ 2 OF 9 SHEET



Photograph 1 Northern Property Line, NW Corner. Looking East. Maintained Agricultural Area



Photograph 2 Eastern 1/3rd, Looking West - Agricultural Area and Non-Native Trees



Photograph 3 SE Corner. Looking North. Developed Area and Ornamental Plantings



Photograph 4 Southern Property Line, Looking West. Developed Area and Maintained Ornamental Plantings



Photograph 5 NE Corner. Looking West. Developed Flood Control Channel (maintained)



Photograph 6 NE Corner. Looking East at Flood Control Channel Box Under Indian Avenue

INTIAL STUDY – APPENDIX A.2

Crotch's Bumble Bee Habitat Assessment Survey Report

BLUE CONSULTING GROUP
BIOLOGY ▪ LAND USE & ▪ ENTITLEMENTS

November 25, 2024

First Industrial Realty Trust, Inc.
First Industrial L.P.
First Industrial Acquisition II, LLC
and their Affiliates and Assigns
C/O Weis Environmental LLC
1938 Kellogg Avenue, Suite 116
Carlsbad, CA 92008

RE: Harley Knox II; Crotch's Bumble Bee Habitat Assessment Survey Report (Negative).

Mr. Weis,
Per the request of the City, a habitat assessment was conducted to evaluate the potential for the project site to support the following sensitive species: Crotch's bumble bee (*Bombus crotchii*). The general assessment was based on existing data from a site visit conducted in November 2024 regarding the quality of the habitat present in relation to the species requirements and a search of the California Natural Diversity Data Base (CNDDB) species occurrence database (California Department of Fish and Wildlife [CDFW] 2024) and the U.S. Fish and Wildlife Service (USFWS) all species occurrence database (USFWS 2022).

Methods

The habitat assessment survey was conducted in the survey area on November 22, 2024. The surveys were initiated at 1015 and completed at 1115. Weather conditions during the survey included clear skies, temperatures ranged from 65° to 68° Fahrenheit, and calm winds.

Potential for Crotch's Bumblebee

The Crotch's bumble bee is a state of California candidate for listing as an endangered species (CDFW 2023). This species prefers open grassland and shrub habitats that support populations of nectar plants such as snapdragon (*Antirrhinum* spp.), *phacelia* (Phacelia sp.), clarkia (*Clarkia* spp.), bush poppy (*Dendromecon rigida*), California poppy (*Eschscholzia californica*), and buckwheat (*Eriogonum* spp.). In California, its distribution is exclusive to coastal areas from San Diego to Redding.

There is a low potential for Crotch's bumble bee to forage or nest on the project site. Much of the project site supports historic agriculture and office development. As a result, the maintained (tilled) dirt lacks vegetation, specifically the preferred nectar plants for the species. In addition, surrounding areas of the project site have been historically used for agricultural and development purposes. These disturbances have affected the overall habitat quality of the area.

No historic occurrence of Crotch's bumble bee was recorded in the vicinity.

The survey is negative for onsite presence of appropriate Cortch's Bumble Bee habitat and no additional surveys

are required.

If you have any questions concerning this survey or results, please do not hesitate to contact me.

Sincerely,

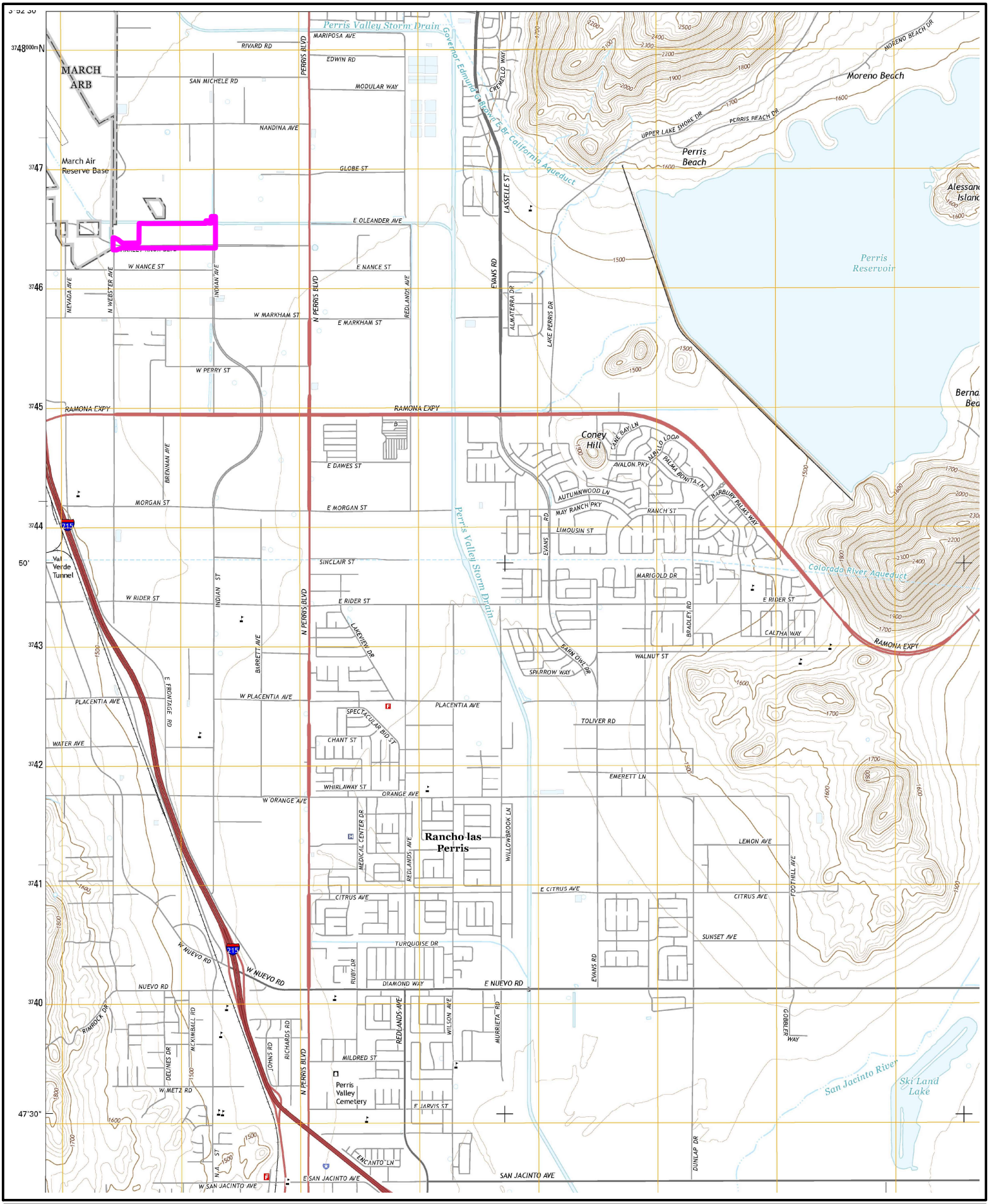


Michael K. Jefferson
President
BLUE Consulting Group

Attachments: Figure 1 Regional Location Aerial
Figure 2 Property Aerial

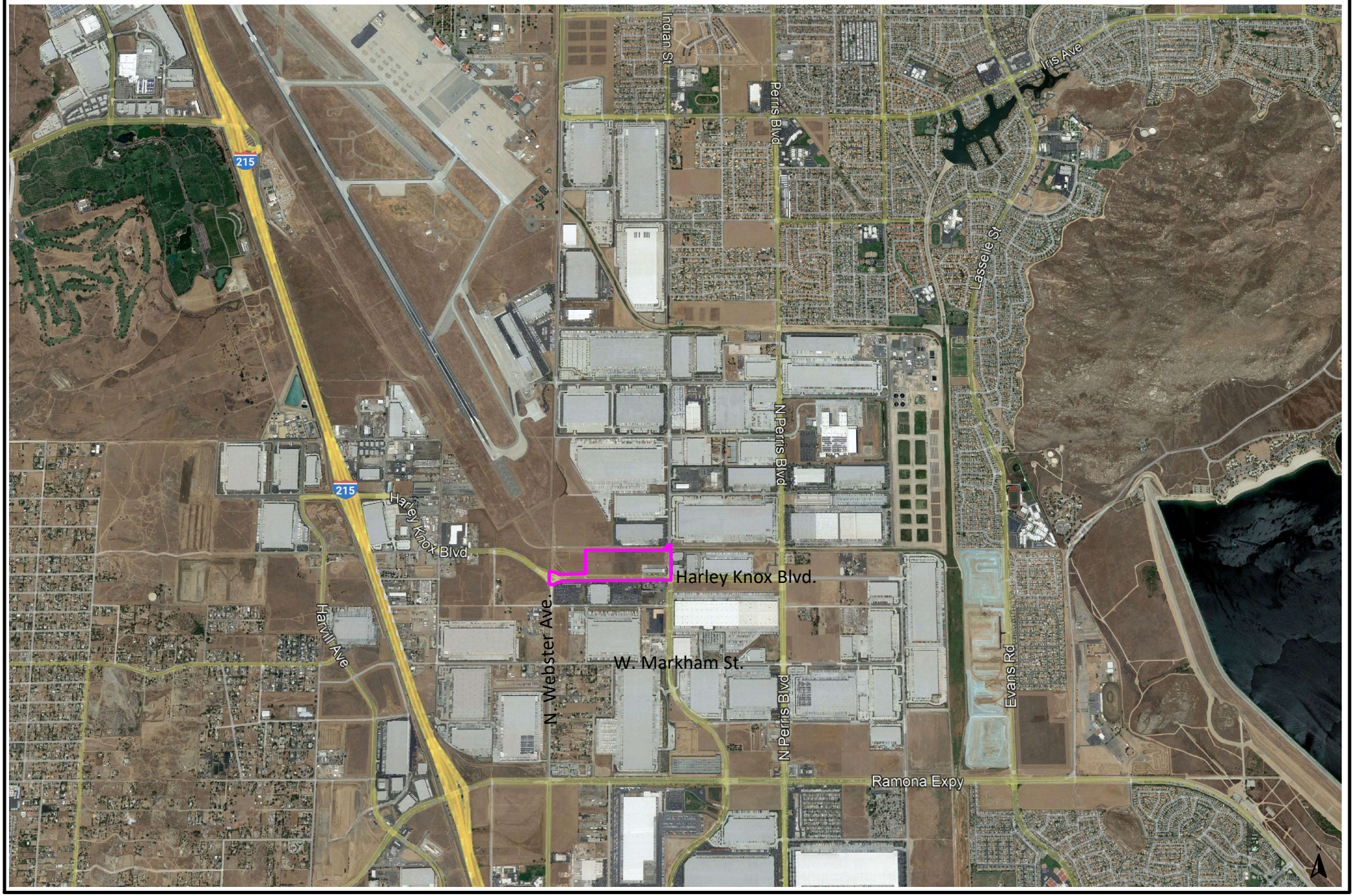
Photographs 1-2

P.O. Box 501115 San Diego, CA 92150 ☎858.391.8145 Mike@blueconsulting.com



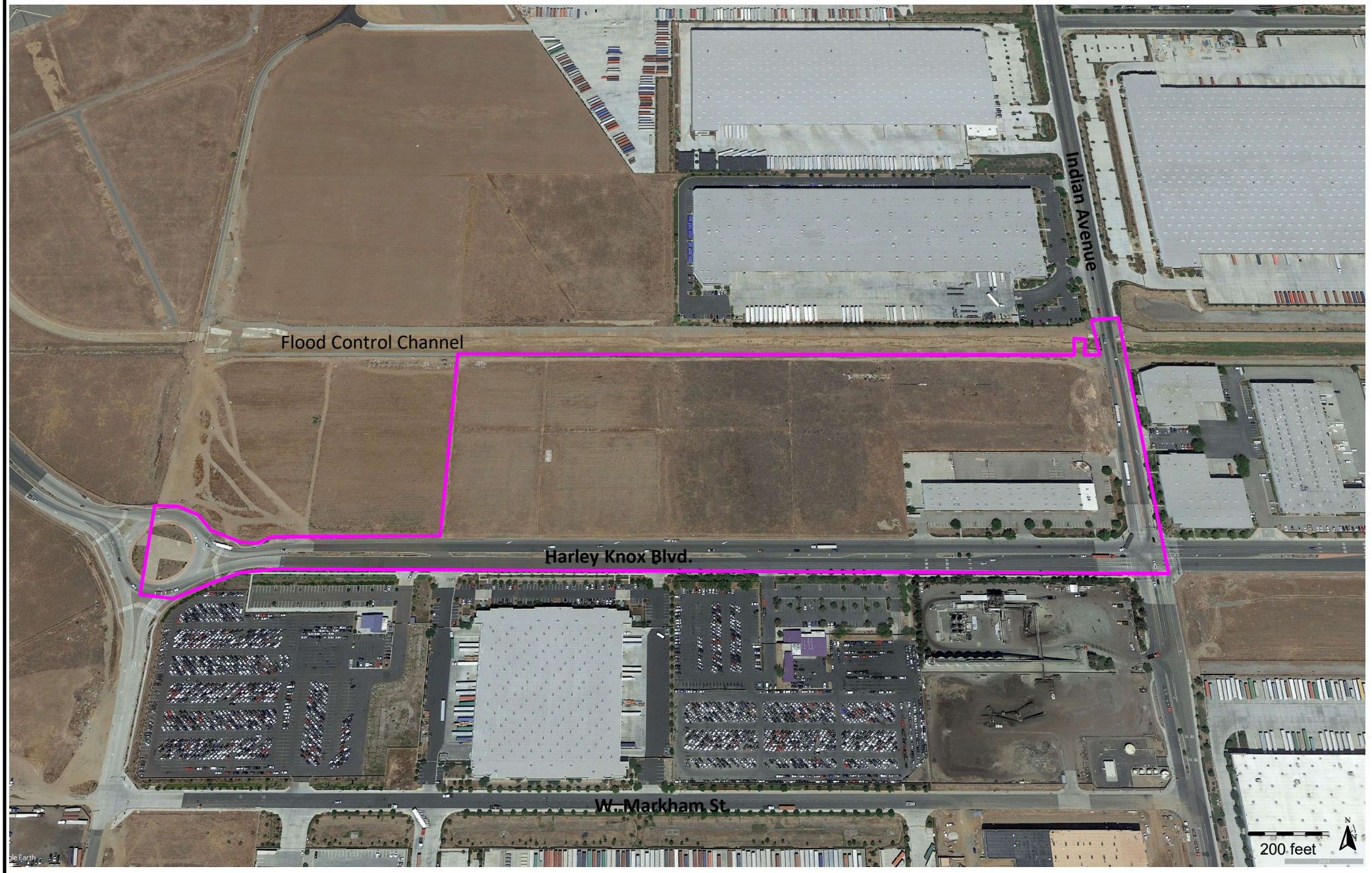
Property

FIGURE 1
USGS Topo
Project Location



Property

FIGURE 2
Regional Location Map



Property

FIGURE 3
Property Aerial



Photograph 1 Looking East; SE corner - Disturbed area



Photograph 2 Southern PL Limit - Looking NE; Disturbed Area

INTIAL STUDY – APPENDIX B

Cultural Resources Report

A PHASE I CULTURAL RESOURCES SURVEY FOR THE FIRST HARLEY KNOX II PROJECT

PERRIS, CALIFORNIA

APNs 302-020-013, -028, -032, -038, -040, -043, and -048

Submitted to:

City of Perris
Planning Division
101 North D Street
Perris, California 92570

Prepared for:

First Industrial Realty Trust, Inc.,
First Industrial, L.P.,
First Industrial Acquisitions II, LLC,
and their Affiliates and Assigns
c/o Weis Environmental, LLC
1938 Kellogg Avenue, Suite 116
Carlsbad, California 92008

Prepared by:

BFSA Environmental Services,
a Perennial Company
14010 Poway Road, Suite A
Poway, California 92064

September 13, 2023; Revised November 18, 2024

BFSA Environmental Services
A Perennial Company

Archaeological Database Information

Authors:	Andrew J. Garrison and Brian F. Smith
Consulting Firm:	BFSA Environmental Services, a Perennial Company 14010 Poway Road, Suite A Poway, California 92064 (858) 484-0915
Report Date:	September 13, 2023; Revised November 18, 2024
Report Title:	A Phase I Cultural Resources Survey for the First Harley Knox II Project, Perris, California
Prepared for:	First Industrial Realty Trust, Inc., First Industrial, L.P., First Industrial Acquisitions, LLC, and their Affiliates and Assigns c/o Weis Environmental, LLC 1938 Kellogg Avenue, Suite 116 Carlsbad, California 92008
Submitted to:	City of Perris Planning Division 101 North D Street Perris, California 92570
Submitted by:	BFSA Environmental Services, a Perennial Company 14010 Poway Road, Suite A Poway, California 92064
Assessor's Parcel Number(s):	302-020-013, -028, -032, -038, -040, -043, and -048
USGS Quadrangle:	Section 6, Township 4 South, Range 3 West on the USGS (7.5-minute) *Perris, California* Quadrangle
Study Area:	25.6-acre property and approximately 10 acres of off-site infrastructure improvements, located northwest of the intersection of Harley Knox Boulevard and Indian Avenue, Perris
Key Words:	USGS *Perris, California* Quadrangle (7.5-minute); archaeological survey; no CRHR-eligible resources; modern foundations and warehouse; archaeological monitoring recommended.

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**Deleted for public review and bound separately in the Confidential Appendix.*

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I. INTRODUCTION AND MANAGEMENT SUMMARY

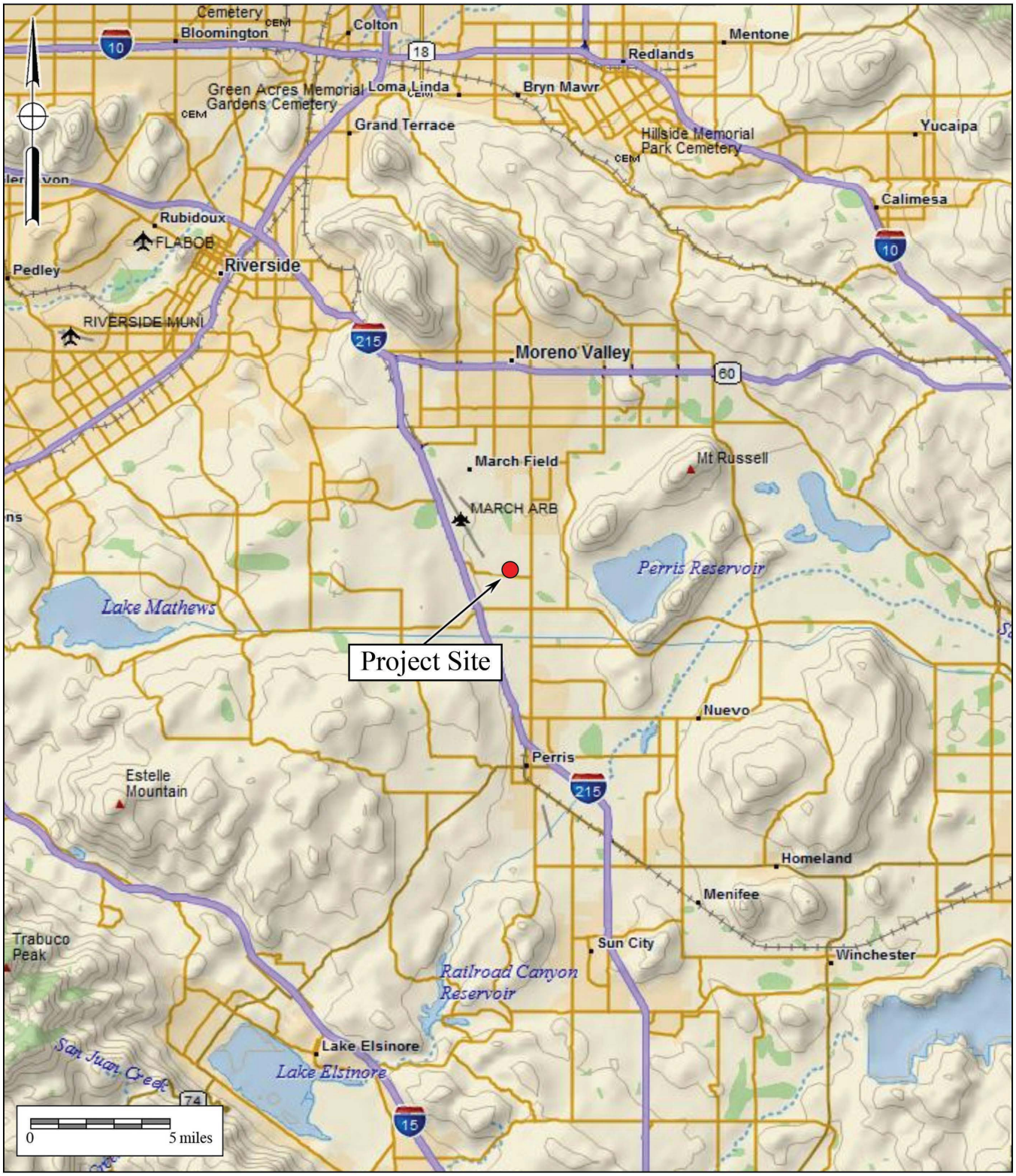
In response to a requirement by the City of Perris for the environmental assessment of a proposed industrial building development application, BFSA Environmental Services, a Perennial Company (BFSA), conducted an archaeological survey of the First Harley Knox II Project development site located within the Perris Valley Commerce Center (PVCC) Specific Plan area. The proposed 25.6-acre development site is located northwest of the intersection of Harley Knox Boulevard and Indian Avenue in the city of Perris, Riverside County, California. The subject property lies just southeast of March Air Reserve Base and includes Assessor's Parcel Numbers (APNs) 302-020-013, -028, -032, -038, -040, -043, and -048. The property is situated within Section 6, Township 4 South, Range 3 West on the United States Geological Survey (7.5-minute) *Perris, California* topographic quadrangle (Figures 1 and 2). Currently, the project site consists of a former agricultural property which is primarily vacant land; however, an existing warehouse structure and surface parking, built in 2005, is located within the southeast corner. The project applicant proposes to clear the entire property for the construction of a new industrial warehouse development along with approximately 10-acres of potential adjacent off-site infrastructure improvements (Figure 3).

The archaeological surveys were conducted on January 5, 2022, and March 7, 2023, to determine if cultural resources exist within the property. As a consequence of the field survey and records review, no significant cultural resources were identified within the project site and off-site infrastructure area and, therefore, the proposed project will not represent a source of impact to any known significant cultural resources. Resumes of key BFSA staff involved in the preparation of this report can be found within Appendix A. As part of this study, a copy of this report will be submitted to the Eastern Information Center (EIC) at the University of California at Riverside (UCR). All investigations conducted by BFSA related to this project conformed to California Environmental Quality Act (CEQA) and City of Perris environmental guidelines.

II. SETTING

Natural Environment

Riverside County lies in the Peninsular Ranges Geologic Province of southern California. This range, which lies in a northwest-to-southeast trend through the county, extends around 1,000 miles from the Raymond-Malibu Fault Zone in western Los Angeles County to the southern tip of Baja California. The subject property is situated within the Perris Valley and is generally flat, with elevations within the project site averaging approximately 1,450 feet above mean sea level (AMSL).



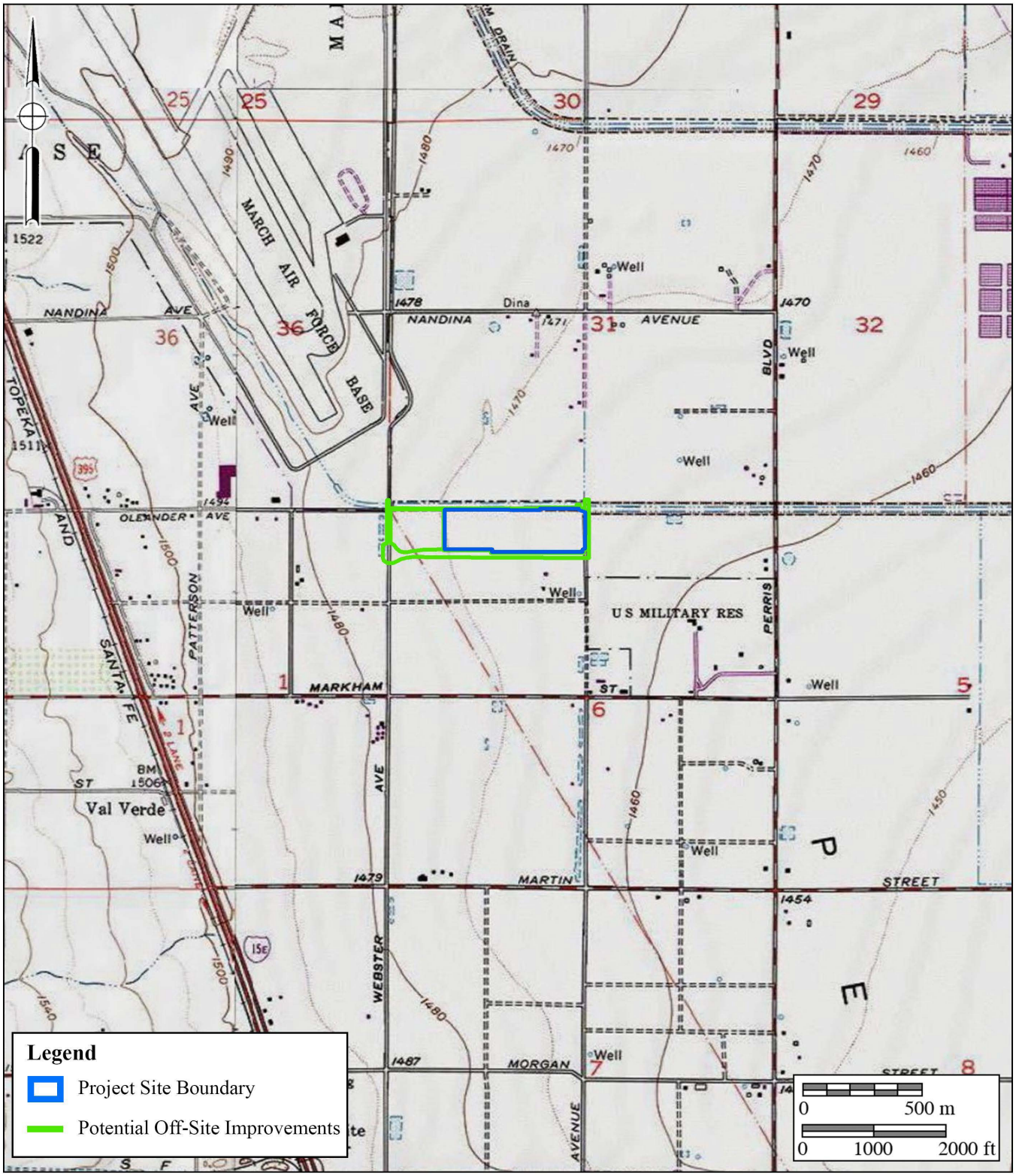
BFSA Environmental Services
A Perennial Company

Figure 1

General Location Map

The First Harley Knox II Project

DeLorme (1:250,000)



BFSA Environmental Services
A Perennial Company

Figure 2

Project Location Map

The First Harley Knox II Project

USGS *Perris* and *Steele Peak* Quadrangles (7.5-minute series)



BFSA Environmental Services
A Perennial Company

Figure 3

Project Development Boundary Map

The First Harley Knox II Project

Regionally, the project site lies within the Perris Block, a structural block bounded on the west by the Elsinore fault zone and on the east by the San Jacinto fault zone (Morton 2003). The geology mapped underlying the project site and immediate area indicates that the project site is underlain by lower Pleistocene (approximately 1.8 million to perhaps 200,000 to 300,000 year old) very old alluvial fan deposits (Morton 2001, 2003).

These sediments are described as "… mostly well dissected, well-indurated, reddish-brown sand deposits. Commonly contains duripans and locally silcretes" (Morton 2003). According to Woodford et al. (1971), the alluvium overlying the granitic bedrock below the project site is approximately 100 feet thick. The specific soil types found within the project site are comprised of Exeter sandy loam, 0 to 2 percent slopes (EpA), Greenfield sandy loam, 0 to 2 percent slopes (GyA), and Ramona sandy loam, 0 to 2 percent slopes, MLRA 19 (RaA) (Natural Resources Conservation Service 2022).

The Perris Valley originally contained perennial grasses, which have primarily been replaced by non-native weeds and grasses. Although not found within the subject property, the Riversidian sage scrub plant community is the most prevalent native vegetation found in the region. The Riversidian sage scrub is primarily found within the nearby Motte Rimrock Preserve, Lakeview Mountains, and Bernasconi Hills and includes desert encelia, brittle brush, sagebrush, black sage, white sage, buckwheat, foxtails, and cacti. Mammals within the region include mule deer, coyote, bobcat, mountain lion, ground squirrel, and quail; birds include hawks and eagles, owls, mourning dove, mockingbird, jay, heron, crow, finch, and sparrow.

Presently, the property is completely disturbed by past clearing, cultivation, and the construction of a warehouse in the southeast corner. Several dirt roads crisscross the vacant portion of the property and miscellaneous trash/debris can be seen in several locations. Three locations were noted where concrete foundations were present. These appear to be part of past agricultural use on the property, but the foundations are not historic, having been constructed between 1985 and 1997.

During the prehistoric period, vegetation near the project site provided sufficient food resources to support prehistoric human occupants. Animals that inhabited the project area during prehistoric times included mammals such as rabbits, squirrels, gophers, mice, rats, deer, and coyotes, in addition to a variety of reptiles and amphibians. The natural setting of the project site during the prehistoric occupation offered a rich nutritional resource base. Fresh water was likely obtainable from seasonal drainages and the San Jacinto River located southeast of the project site. Historically, the property was utilized for agriculture or ranching/grazing of livestock. Currently, the property is largely vacant with the exception of the warehouse in the southeast corner and contains non-native vegetation.

Cultural Setting – Archaeological Perspectives

The archaeological perspective seeks to reconstruct past cultures based upon the material remains left behind. This is done by using a range of scientific methodologies, almost all of which

draw from evolutionary theory as the base framework. Archaeology allows one to look deeper into history or prehistory to see where the beginnings of ideas manifest themselves via analysis of material culture, allowing for the understanding of outside forces that shape social change. Thus, the archaeological perspective allows one to better understand the consequences of the history of a given culture upon modern cultures. Archaeologists seek to understand the effects of past contexts of a given culture on this moment in time, not culture in context *in* the moment.

Despite this, a distinction exists between "emic" and "etic" ways of understanding material culture, prehistoric lifeways, and cultural phenomena in general (Harris 1991). While "emic" perspectives serve the subjective ways in which things are perceived and interpreted by the participants within a culture, "etic" perspectives are those of an outsider looking in hopes of attaining a more scientific or "objective" understanding of the given phenomena. Archaeologists, by definition, will almost always serve an etic perspective as a result of the very nature of their work. As indicated by Laylander et al. (2014), it has sometimes been suggested that etic understanding, and therefore an archaeological understanding, is an imperfect and potentially ethnocentric attempt to arrive at emic understanding. In contrast to this, however, an etic understanding of material culture, cultural phenomena, and prehistoric lifeways can address significant dimensions of culture that lie entirely beyond the understanding or interest of those solely utilizing an emic perspective. As Harris (1991:20) appropriately points out, "Etic studies often involve the measurement and juxtaposition of activities and events that native informants find inappropriate or meaningless." This is also likely true of archaeological comparisons and juxtapositions of material culture. However, culture as a whole does not occur in a vacuum and is the result of several millennia of choices and consequences influencing everything from technology, to religions, to institutions. Archaeology allows for the ability to not only see what came before, but to see how those choices, changes, and consequences affect the present. Where possible, archaeology should seek to address both emic and etic understandings to the extent that they may be recoverable from the archaeological record as manifestations of patterned human behavior (Laylander et al. 2014).

To that point, the culture history offered herein is primarily based upon archaeological (etic) and ethnographic (partially emic and partially etic) information. It is understood that the ethnographic record and early archaeological records were incompletely and imperfectly collected. In addition, in most cases, more than a century of intensive cultural change and cultural evolution had elapsed since the terminus of the prehistoric period. Coupled with the centuries and millennia of prehistoric change separating the "ethnographic present" from the prehistoric past, this has affected the emic and etic understandings of prehistoric cultural settings. Regardless, there remains a need to present the changing cultural setting within the region under investigation. As a result, both archaeological and Native American perspectives are offered when possible.

Introduction

Paleo Indian, Archaic Period Milling Stone Horizon, and the Late Prehistoric Takic groups are the three general cultural periods represented in Riverside County. The following discussion of the cultural history of Riverside County references the San Dieguito Complex, Encinitas Tradition, Milling Stone Horizon, La Jolla Complex, Pauma Complex, and San Luis Rey Complex, since these culture sequences have been used to describe archaeological manifestations in the region. The Late Prehistoric component present in the Riverside County area was primarily represented by the Cahuilla, Gabrielino, and Luiseño Indians.

Absolute chronological information, where possible, will be incorporated into this archaeological discussion to examine the effectiveness of continuing to interchangeably use these terms. Reference will be made to the geological framework that divides the archaeologically-based culture chronology of the area into four segments: the late Pleistocene (20,000 to 10,000 years before the present [YBP]), the early Holocene (10,000 to 6,650 YBP), the middle Holocene (6,650 to 3,350 YBP), and the late Holocene (3,350 to 200 YBP).

Paleo Indian Period (Late Pleistocene: 11,500 to circa 9,000 YBP)

Archaeologically, the Paleo Indian Period is associated with the terminus of the late Pleistocene (12,000 to 10,000 YBP). The environment during the late Pleistocene was cool and moist, which allowed for glaciation in the mountains and the formation of deep, pluvial lakes in the deserts and basin lands (Moratto 1984). However, by the terminus of the late Pleistocene, the climate became warmer, which caused the glaciers to melt, sea levels to rise, greater coastal erosion, large lakes to recede and evaporate, extinction of Pleistocene megafauna, and major vegetation changes (Moratto 1984; Martin 1967, 1973; Fagan 1991). The coastal shoreline at 10,000 YBP, depending upon the particular area of the coast, was near the 30-meter isobath, or two to six kilometers further west than its present location (Masters 1983).

Paleo Indians were likely attracted to multiple habitat types, including mountains, marshlands, estuaries, and lakeshores. These people likely subsisted using a more generalized hunting, gathering, and collecting adaptation utilizing a variety of resources including birds, mollusks, and both large and small mammals (Erlandson and Colten 1991; Moratto 1984; Moss and Erlandson 1995).

Archaic Period (Early and Middle Holocene: circa 9,000 to 1,300 YBP)

Archaeological data indicates that between 9,000 and 8,000 YBP, a widespread complex was established in the southern California region, primarily along the coast (Warren and True 1961). This complex is locally known as the La Jolla Complex (Rogers 1939; Moriarty 1966), which is regionally associated with the Encinitas Tradition (Warren 1968) and shares cultural components with the widespread Milling Stone Horizon (Wallace 1955). The coastal expression of this complex appeared in southern California coastal areas and focused upon coastal resources and the development of deeply stratified shell middens that were primarily located around bays

and lagoons. The older sites associated with this expression are located at Topanga Canyon, Newport Bay, Agua Hedionda Lagoon, and some of the Channel Islands. Radiocarbon dates from sites attributed to this complex span a period of over 7,000 years in this region, beginning over 9,000 YBP.

The Encinitas Tradition is best recognized for its pattern of large coastal sites characterized by shell middens, grinding tools that are closely associated with the marine resources of the area, cobble-based tools, and flexed human burials (Shumway et al. 1961; Smith and Moriarty 1985). While ground stone tools and scrapers are the most recognized tool types, coastal Encinitas Tradition sites also contain numerous utilized flakes, which may have been used to pry open shellfish. Artifact assemblages at coastal sites indicate a subsistence pattern focused upon shellfish collection and nearshore fishing. This suggests an incipient maritime adaptation with regional similarities to more northern sites of the same period (Koerper et al. 1986). Other artifacts associated with Encinitas Tradition sites include stone bowls, doughnut stones, discoidals, stone balls, and stone, bone, and shell beads.

The coastal lagoons in southern California supported large Milling Stone Horizon populations circa 6,000 YBP, as is shown by numerous radiocarbon dates from the many sites adjacent to the lagoons. The ensuing millennia were not stable environmentally, and by 3,000 YBP, many of the coastal sites in central San Diego County had been abandoned (Gallegos 1987, 1992). The abandonment of the area is usually attributed to the sedimentation of coastal lagoons and the resulting deterioration of fish and mollusk habitat, which is a well-documented situation at Batiquitos Lagoon (Miller 1966; Gallegos 1987). Over a two-thousand-year period at Batiquitos Lagoon, dominant mollusk species occurring in archaeological middens shift from deep-water mollusks (*Argopecten* sp.) to species tolerant of tidal flat conditions (*Chione* sp.), indicating water depth and temperature changes (Miller 1966; Gallegos 1987).

This situation likely occurred for other small drainages (Buena Vista, Agua Hedionda, San Marcos, and Escondido creeks) along the central San Diego coast where low flow rates did not produce sufficient discharge to flush the lagoons they fed (Buena Vista, Agua Hedionda, Batiquitos, and San Elijo lagoons) (Byrd 1998). Drainages along the northern and southern San Diego coastline were larger and flushed the coastal hydrological features they fed, keeping them open to the ocean and allowing for continued human exploitation (Byrd 1998). Peñasquitos Lagoon exhibits dates as late as 2,355 YBP (Smith and Moriarty 1985) and San Diego Bay showed continuous occupation until the close of the Milling Stone Horizon (Gallegos and Kyle 1988). Additionally, data from several drainages in Camp Pendleton indicate a continued occupation of shell midden sites until the close of the period, indicating that coastal sites were not entirely abandoned during this time (Byrd 1998).

By 5,000 YBP, an inland expression of the La Jolla Complex is evident in the archaeological record, exhibiting influences from the Campbell Tradition from the north. These inland Milling Stone Horizon sites have been termed "Pauma Complex" (True 1958; Warren et al. 1961; Meighan 1954). By definition, Pauma Complex sites share a predominance of grinding

implements (manos and metates), lack mollusk remains, have greater tool variety (including atlatl dart points, quarry-based tools, and crescentics), and seem to express a more sedentary lifestyle with a subsistence economy based upon the use of a broad variety of terrestrial resources. Although originally viewed as a separate culture from the coastal La Jolla Complex (True 1980), it appears that these inland sites may be part of a subsistence and settlement system utilized by the coastal peoples. Evidence from the 4S Project in inland San Diego County suggests that these inland sites may represent seasonal components within an annual subsistence round by La Jolla Complex populations (Raven-Jennings et al. 1996). Including both coastal and inland sites of this time period in discussions of the Encinitas Tradition, therefore, provides a more complete appraisal of the settlement and subsistence system exhibited by this cultural complex.

More recent work by Sutton has identified a more localized complex known as the Greven Knoll Complex. The Greven Knoll Complex is a redefined northern inland expression of the Encinitas Tradition first put forth by Mark Sutton and Jill Gardener (2010). Sutton and Gardener (2010:25) state that "[t]he early millingstone archaeological record in the northern portion of the interior southern California was not formally named but was often referred to as 'Inland Millingstone,' 'Encinitas,' or even 'Topanga.'" Therefore, they proposed that all expressions of the inland Milling Stone in southern California north of San Diego County be grouped together in the Greven Knoll Complex.

The Greven Knoll Complex, as postulated by Sutton and Gardener (2010), is broken into three phases and obtained its name from the type-site Greven Knoll located in Yucaipa, California. Presently, the Greven Knoll Site is part of the Yukaipa't Site (SBR-1000) and was combined with the adjacent Simpson Site. Excavations at Greven Knoll recovered manos, metates, projectile points, discoidal cogged stones, and a flexed inhumation with a possible cremation (Kowta 1969:39). It is believed that the Greven Knoll Site was occupied between 5,000 and 3,500 YBP. The Simpson Site contained mortars, pestles, side-notched points, and stone and shell beads. Based upon the data recovered at these sites, Kowta (1969:39) suggested that "coastal Milling Stone Complexes extended to and interdigitated with the desert Pinto Basin Complex in the vicinity of the Cajon Pass."

Phase I of the Greven Knoll Complex is generally dominated by the presence of manos and metates, core tools, hammerstones, large dart points, flexed inhumations, and occasional cremations. Mortars and pestles are absent from this early phase, and the subsistence economy emphasized hunting. Sutton and Gardener (2010:26) propose that the similarity of the material culture of Greven Knoll Phase I and that found in the Mojave Desert at Pinto Period sites indicates that the Greven Knoll Complex was influenced by neighbors to the north at that time. Accordingly, Sutton and Gardener (2010) believe that Greven Knoll Phase I may have appeared as early as 9,400 YBP and lasted until about 4,000 YBP.

Greven Knoll Phase II is associated with a period between 4,000 and 3,000 YBP. Artifacts common to Greven Knoll Phase II include manos and metates, Elko points, core tools, and discoidals. Pestles and mortars are present; however, they are only represented in small numbers.

Finally, there is an emphasis upon hunting and gathering for subsistence (Sutton and Gardener 2010:8).

Greven Knoll Phase III includes manos, metates, Elko points, scraper planes, choppers, hammerstones, and discoidals. Again, small numbers of mortars and pestles are present. Greven Knoll Phase III spans from approximately 3,000 to 1,000 YBP and shows a reliance upon seeds and yucca. Hunting is still important, but bones seem to have been processed to obtain bone grease more often in this later phase (Sutton and Gardener 2010:8).

The shifts in food processing technologies during each of these phases indicate a change in subsistence strategies; although people were still hunting for large game, plant-based foods eventually became the primary dietary resource (Sutton 2011a). Sutton's (2011b) argument posits that the development of mortars and pestles during the middle Holocene can be attributed to the year-round exploitation of acorns as a main dietary provision. Additionally, the warmer and drier climate may have been responsible for groups from the east moving toward coastal populations, which is archaeologically represented by the interchange of coastal and eastern cultural traits (Sutton 2011a).

Late Prehistoric Period (Late Holocene: 1,300 YBP to 1790)

Many Luiseño hold the world view that as a population they were created in southern California; however, archaeological and anthropological data proposes a scientific/archaeological perspective. Archaeological and anthropological evidence suggests that at approximately 1,350 YBP, Takic-speaking groups from the Great Basin region moved into Riverside County, marking the transition to the Late Prehistoric Period. An analysis of the Takic expansion by Sutton (2009) indicates that inland southern California was occupied by "proto-Yuman" populations before 1,000 YBP. The comprehensive, multi-phase model offered by Sutton (2009) employs linguistic, ethnographic, archaeological, and biological data to solidify a reasonable argument for population replacement of Takic groups to the north by Penutians (Laylander 1985). As a result, it is believed that Takic expansion occurred starting around 3,500 YBP moving toward southern California, with the Gabrielino language diffusing south into neighboring Yuman (Hokan) groups around 1,500 to 1,000 YBP, possibly resulting in the Luiseño dialect.

Based upon Sutton's model, the final Takic expansion would not have occurred until about 1,000 YBP, resulting in Vanyume, Serrano, Cahuilla, and Cupeño dialects. The model suggests that the Luiseño did not simply replace Hokan speakers, but were rather a northern San Diego County/southern Riverside County Yuman population who adopted the Takic language. This period is characterized by higher population densities and elaborations in social, political, and technological systems. Economic systems diversified and intensified during this period with the continued elaboration of trade networks, the use of shell-bead currency, and the appearance of more labor-intensive, yet effective, technological innovations. Technological developments during this period included the introduction of the bow and arrow between A.D. 400 and 600 and the introduction of ceramics. Atlatl darts were replaced by smaller arrow darts, including

Cottonwood series points. Other hallmarks of the Late Prehistoric Period include extensive trade networks as far-reaching as the Colorado River Basin and cremation of the dead.

Protohistoric Period (Late Holocene: 1542 to circa 1769)

Ethnohistoric and ethnographic evidence indicates that three Takic-speaking groups occupied portions of Riverside County: the Cahuilla, the Gabrielino, and the Luiseño. The geographic boundaries between these groups in pre- and proto-historic times are difficult to place, but the project site is located well within the borders of ethnographic Luiseño territory. This group was a seasonal hunting and gathering people with cultural elements that were very distinct from Archaic Period peoples. These distinctions include cremation of the dead, the use of the bow and arrow, and exploitation of the acorn as a main food staple (Moratto 1984). Along the coast, the Luiseño made use of available marine resources by fishing and collecting mollusks for food. Seasonally available terrestrial resources, including acorns and game, were also sources of nourishment for Luiseño groups. Elaborate kinship and clan systems between the Luiseño and other groups facilitated a wide-reaching trade network that included trade of Obsidian Butte obsidian and other resources from the eastern deserts, as well as steatite from the Channel Islands.

According to Charles Handley (1967), the primary settlements of Late Prehistoric Luiseño Indians in the San Jacinto Plain were represented by Ivah and Soboba near Soboba Springs, Jusipah near the town of San Jacinto, Ararah in Webster's Canyon en route to Idyllwild, Pahsitha near Big Springs Ranch southeast of Hemet, and Corova in Castillo Canyon. These locations share features such as the availability of food and water resources. Features of this land use include petroglyphs and pictographs, as well as widespread milling, which is evident in bedrock and portable implements. Groups in the vicinity of the project site, neighboring the Luiseño, include the Cahuilla and the Gabrielino. Ethnographic data for the three groups is presented below.

Luiseño: An Archaeological and Ethnographic Perspective

When contacted by the Spanish in the sixteenth century, the Luiseño occupied a territory bounded on the west by the Pacific Ocean, on the east by the Peninsular Ranges mountains at San Jacinto (including Palomar Mountain to the south and Santiago Peak to the north), on the south by Agua Hedionda Lagoon, and on the north by Aliso Creek in present-day San Juan Capistrano. The Luiseño were a Takic-speaking people more closely related linguistically and ethnographically to the Cahuilla, Gabrielino, and Cupeño to the north and east rather than the Kumeyaay who occupied territory to the south. The Luiseño differed from their neighboring Takic speakers in having an extensive proliferation of social statuses, a system of ruling families that provided ethnic cohesion within the territory, a distinct worldview that stemmed from the use of datura (a hallucinogen), and an elaborate religion that included the creation of sacred sand paintings depicting the deity Chingichngish (Bean and Shipek 1978; Kroeber 1976).

Subsistence and Settlement

The Luiseño occupied sedentary villages most often located in sheltered areas in valley bottoms, along streams, or along coastal strands near mountain ranges. Villages were located near water sources to facilitate acorn leaching and in areas that offered thermal and defensive protection. Villages were composed of areas that were publicly and privately (by family) owned. Publicly owned areas included trails, temporary campsites, hunting areas, and quarry sites. Inland groups had fishing and gathering sites along the coast that were intensively used from January to March when inland food resources were scarce. During October and November, most of the village would relocate to mountain oak groves to harvest acorns. The Luiseño remained at village sites for the remainder of the year, where food resources were within a day's travel (Bean and Shipek 1978; Kroeber 1976).

The most important food source for the Luiseño was the acorn, six different species of which were used (*Quercus californica, Quercus agrifolia, Quercus chrysolepis, Quercus dumosa, Quercus engelmannii,* and *Quercus wislizenii*). Seeds, particularly of grasses, flowering plants, and mints, were also heavily exploited. Seed-bearing species were encouraged through controlled burns, which were conducted at least every third year. A variety of other stems, leaves, shoots, bulbs, roots, and fruits were also collected. Hunting augmented this vegetal diet. Animal species taken included deer, rabbit, hare, woodrat, ground squirrel, antelope, quail, duck, freshwater fish from mountain streams, marine mammals, and other sea creatures such as fish, crustaceans, and mollusks (particularly abalone, or *Haliotis* sp.). In addition, a variety of snakes, small birds, and rodents were eaten (Bean and Shipek 1978; Kroeber 1976).

Social Organization

Social groups within the Luiseño nation consisted of patrilinear families or clans, which were politically and economically autonomous. Several clans comprised a religious party, or nota, which was headed by a chief who organized ceremonies and controlled economics and warfare. The chief had assistants who specialized in particular aspects of ceremonial or environmental knowledge and who, with the chief, were part of a religion-based social group with special access to supernatural power, particularly that of Chingichngish. The positions of chief and assistants were hereditary, and the complexity and multiplicity of these specialists' roles likely increased in coastal and larger inland villages (Bean and Shipek 1978; Kroeber 1976; Strong 1929).

Marriages were arranged by the parents, often made to forge alliances between lineages. Useful alliances included those between groups of differing ecological niches and those that resulted in territorial expansion. Residence was patrilocal (Bean and Shipek 1978; Kroeber 1976). Women were primarily responsible for plant gathering and men principally hunted, although, at times, particularly during acorn and marine mollusk harvests, there was no division of labor. Elderly women cared for children and elderly men participated in rituals, ceremonies, and political affairs. They were also responsible for manufacturing hunting and ritual implements. Children were taught subsistence skills at the earliest age possible (Bean and Shipek 1978; Kroeber 1976).

Material Culture

House structures were conical, partially subterranean, and thatched with reeds, brush, or bark. Ramadas were rectangular, protected workplaces for domestic chores such as cooking. Ceremonial sweathouses were important in purification rituals; these were round and partially subterranean thatched structures covered with a layer of mud. Another ceremonial structure was the wámkis (located in the center of the village, serving as the place of rituals), where sand paintings and other rituals associated with the Chingichngish religious group were performed (Bean and Shipek 1978; Kroeber 1976).

Clothing was minimal; women wore a cedar-bark and netted twine double apron and men wore a waist cord. In cold weather, cloaks or robes of rabbit fur, deerskin, or sea otter fur were worn by both sexes. Footwear included deerskin moccasins and sandals fashioned from yucca fibers. Adornments included bead necklaces and pendants made of bone, clay, stone, shell, bear claw, mica, deer hooves, and abalone shell. Men wore ear and nose piercings made from cane or bone, which were sometimes decorated with beads. Other adornments were commonly decorated with semiprecious stones including quartz, topaz, garnet, opal, opalite, agate, and jasper (Bean and Shipek 1978; Kroeber 1976).

Hunting implements included the bow and arrow. Arrows were tipped with either a carved, fire-hardened wood tip or a lithic point, usually fashioned from locally available metavolcanic material or quartz. Throwing sticks fashioned from wood were used in hunting small game, while deer head decoys were used during deer hunts. Coastal groups fashioned dugout canoes for nearshore fishing and harvested fish with seines, nets, traps, and hooks made of bone or abalone shell (Bean and Shipek 1978; Kroeber 1976).

The Luiseño had a well-developed basket industry. Baskets were used in resource gathering, food preparation, storage, and food serving. Ceramic containers were shaped by paddle and anvil and fired in shallow, open pits to be used for food storage, cooking, and serving. Other utensils included wood implements, steatite bowls, and ground stone manos, metates, mortars, and pestles (Bean and Shipek 1978; Kroeber 1976). Additional tools such as knives, scrapers, choppers, awls, and drills were also used. Shamanistic items include soapstone or clay smoking pipes and crystals made of quartz or tourmaline (Bean and Shipek 1978; Kroeber 1976).

Cahuilla: An Archaeological and Ethnographic Perspective

At the time of Spanish contact in the sixteenth century, the Cahuilla occupied territory that included the San Bernardino Mountains, Orocopia Mountain, and the Chocolate Mountains to the east, Salton Sea and Borrego Springs to the south, Palomar Mountain and Lake Mathews to the west, and the Santa Ana River to the north. The Cahuilla are a Takic-speaking people closely related to their Gabrielino and Luiseño neighbors, although relations with the Gabrielino were more intense than with the Luiseño. They differ from the Luiseño and Gabrielino in that their religion is more similar to the Mohave tribes of the eastern deserts than the Chingichngish religious group of the Luiseño and Gabrielino. The following is a summary of ethnographic data regarding

this group (Bean 1978; Kroeber 1976).

Subsistence and Settlement

Cahuilla villages were typically permanent and located on low terraces within canyons in proximity to water sources. These locations proved to be rich in food resources and also afforded protection from prevailing winds. Villages had areas that were publicly owned and areas that were privately owned by clans, families, or individuals. Each village was associated with a particular lineage and series of sacred sites that included unique petroglyphs and pictographs. Villages were occupied throughout the year; however, during a several-week period in the fall, most of the village members relocated to mountain oak groves to take part in acorn harvesting (Bean 1978; Kroeber 1976).

The Cahuilla's use of plant resources is well documented. Plant foods harvested by the Cahuilla included valley oak acorns and single-leaf pinyon pine nuts. Other important plant species included bean and screw mesquite, agave, Mohave yucca, cacti, palm, chia, quail brush, yellowray goldfield, goosefoot, manzanita, catsclaw, desert lily, mariposa lily, and a number of other species such as grass seed. A number of agricultural domesticates were acquired from the Colorado River tribes including corn, bean, squash, and melon grown in limited amounts. Animal species taken included deer, bighorn sheep, pronghorn antelope, rabbit, hare, rat, quail, dove, duck, roadrunner, and a variety of rodents, reptiles, fish, and insects (Bean 1978; Kroeber 1976).

Social Organization

The Cahuilla was not a political nation, but rather a cultural nationality with a common language. Two non-political, non-territorial patrimoieties were recognized: the Wildcats (túktem) and the Coyotes (?ístam). Lineage and kinship were memorized at a young age among the Cahuilla, providing a backdrop for political relationships. Clans were composed of three to 10 lineages; each lineage owned a village site and specific resource areas. Lineages within a clan cooperated in subsistence activities, defense, and rituals (Bean 1978; Kroeber 1976).

A system of ceremonial hierarchy operated within each lineage. The hierarchy included the lineage leader, who was responsible for leading subsistence activities, guarding the sacred bundle, and negotiating with other lineage leaders in matters concerning land use, boundary disputes, marriage arrangements, trade, warfare, and ceremonies. The ceremonial assistant to the lineage leader was responsible for organizing ceremonies. A ceremonial singer possessed and performed songs at rituals and trained assistant singers. The shaman cured illnesses through supernatural powers, controlled natural phenomena, and was the guardian of ceremonies, keeping evil spirits away. The diviner was responsible for finding lost objects, telling future events, and locating game and other food resources. Doctors were usually older women who cured various ailments and illnesses with their knowledge of medicinal herbs. Finally, certain Cahuilla specialized as traders, who ranged as far west as Santa Catalina and as far east as the Gila River (Bean 1978; Kroeber 1976).

Marriages were arranged by parents from opposite moieties. When a child was born, an alliance formed between the families, which included frequent reciprocal exchanges. The Cahuilla kinship system extended to relatives within five generations. Important economic decisions, primarily the distribution of goods, operated within this kinship system (Bean 1978; Kroeber 1976).

Material Culture

Cahuilla houses were dome-shaped or rectangular, thatched structures. The home of the lineage leader was the largest, located near the ceremonial house with the best access to water. Other structures within the village included the men's sweathouse and granaries (Bean 1978; Kroeber 1976).

Cahuilla clothing, like other groups in the area, was minimal. Men typically wore a loincloth and sandals; women wore skirts made from mesquite bark, animal skin, or tules. Babies wore mesquite bark diapers. Rabbit skin cloaks were worn in cold weather (Bean 1978; Kroeber 1976).

Hunting implements included the bow and arrow, throwing sticks, and clubs. Grinding tools used in food processing included manos, metates, and wood mortars. The Cahuilla were known to use long grinding implements made from wood to process mesquite beans; the mortar was typically a hollowed log buried in the ground. Other tools included steatite arrow shaft straighteners (Bean 1978; Kroeber 1976).

Baskets were made from rush, deer grass, and skunkbrush. Different species and leaves were chosen for different colors in the basket design. Coiled-ware baskets were either flat (for plates, trays, or winnowing), bowl-shaped (for food serving), deep, inverted, and cone-shaped (for transporting), or rounded and flat-bottomed for storing utensils and personal items (Bean 1978; Kroeber 1976).

Cahuilla pottery was made from a thin, red-colored ceramic ware that was often painted and incised. Four basic vessel types are known for the Cahuilla: small-mouthed jars, cooking pots, bowls, and dishes. Additionally, smoking pipes and flutes were fashioned from ceramic (Bean 1978; Kroeber 1976).

Gabrielino: An Archaeological and Ethnographic Perspective

The territory of the Gabrielino at the time of Spanish contact covers much of present-day Los Angeles and Orange counties. The southern extent of this culture area is bounded by Aliso Creek, the eastern extent is located east of present-day San Bernardino along the Santa Ana River, the northern extent includes the San Fernando Valley, and the western extent includes portions of the Santa Monica Mountains. The Gabrielino also occupied several Channel Islands including Santa Barbara Island, Santa Catalina Island, San Nicholas Island, and San Clemente Island. Because of their access to certain resources, including a steatite source from Santa Catalina Island, this group was among the wealthiest and most populous aboriginal groups in all of southern

California. Trade of materials and resources controlled by the Gabrielino extended as far north as the San Joaquin Valley, as far east as the Colorado River, and as far south as Baja California (Bean and Smith 1978; Kroeber 1976).

Subsistence and Settlement

The Gabrielino lived in permanent villages and occupied smaller resource-gathering camps at various times of the year depending upon the seasonality of the resource. Larger villages were comprised of several families or clans, while smaller, seasonal camps typically housed smaller family units. The coastal area between San Pedro and Topanga Canyon was the location of primary subsistence villages, while secondary sites were located near inland sage stands, oak groves, and pine forests. Permanent villages were located along rivers and streams and in sheltered areas along the coast. As previously mentioned, the Channel Islands were also the locations of relatively large settlements (Bean and Smith 1978; Kroeber 1976).

Resources procured along the coast and on the islands were primarily marine in nature and included tuna, swordfish, ray and shark, California sea lion, Stellar sea lion, harbor seal, northern elephant seal, sea otter, dolphin and porpoise, various waterfowl species, numerous fish species, purple sea urchin, and mollusks, such as rock scallop, California mussel, and limpet. Inland resources included oak acorn, pine nut, Mohave yucca, cacti, sage, grass nut, deer, rabbit, hare, rodent, quail, duck, and a variety of reptiles such as western pond turtle and numerous snake species (Bean and Smith 1978; Kroeber 1976).

Social Organization

The social structure of the Gabrielino is little known; however, there appears to have been at least three social classes: 1) the elite, which included the rich, chiefs, and their immediate family; 2) a middle class, which included people of relatively high economic status or long-established lineages; and 3) a class of people that included most other individuals in the society. Villages were politically autonomous units comprised of several lineages. During times of the year when certain seasonal resources were available, the village would divide into lineage groups and move out to exploit them, returning to the village between forays (Bean and Smith 1978; Kroeber 1976).

Each lineage had its own leader, with the village chief coming from the dominant lineage. Several villages might be allied under a paramount chief. Chiefly positions were of an ascribed status, most often passed to the eldest son. Chiefly duties included providing village cohesion, leading warfare and peace negotiations with other groups, collecting tribute from the village(s) under his jurisdiction, and arbitrating disputes within the village(s). The status of the chief was legitimized by his safekeeping of the sacred bundle, a representation of the link between the material and spiritual realms and the embodiment of power (Bean and Smith 1978; Kroeber 1976).

Shamans were leaders in the spirit realm. The duties of the shaman included conducting healing and curing ceremonies, guarding the sacred bundle, locating lost items, identifying and collecting poisons for arrows, and making rain (Bean and Smith 1978; Kroeber 1976).

Marriages were made between individuals of equal social status and, in the case of powerful lineages, marriages were arranged to establish political ties between the lineages (Bean and Smith 1978; Kroeber 1976).

Men conducted the majority of the heavy labor, hunting, fishing, and trading with other groups. Women's duties included gathering and preparing plant and animal resources, and making baskets, pots, and clothing (Bean and Smith 1978; Kroeber 1976).

Material Culture

Gabrielino houses were domed, circular structures made of thatched vegetation. Houses varied in size and could house from one to several families. Sweathouses (semicircular, earth-covered buildings) were public structures used in male social ceremonies. Other structures included menstrual huts and a ceremonial structure called a yuvar, an open-air structure built near the chief's house (Bean and Smith 1978; Kroeber 1976).

Clothing was minimal; men and children most often went naked, while women wore deerskin or bark aprons. In cold weather, deerskin, rabbit fur, or bird skin (with feathers intact) cloaks were worn. Island and coastal groups used sea otter fur for cloaks. In areas of rough terrain, yucca fiber sandals were worn. Women often used red ochre on their faces and skin for adornment or protection from the sun. Adornment items included feathers, fur, shells, and beads (Bean and Smith 1978; Kroeber 1976).

Hunting implements included wood clubs, sinew-backed bows, slings, and throwing clubs. Maritime implements included rafts, harpoons, spears, hook and line, and nets. A variety of other tools included deer scapulae saws, bone and shell needles, bone awls, scrapers, bone or shell flakers, wedges, stone knives and drills, metates, mullers, manos, shell spoons, bark platters, and wood paddles and bowls. Baskets were made from rush, deer grass, and skunkbush. Baskets were fashioned for hoppers, plates, trays, and winnowers for leaching, straining, and gathering. Baskets were also used for storing, preparing, and serving food, and for keeping personal and ceremonial items (Bean and Smith 1978; Kroeber 1976).

The Gabrielino had exclusive access to soapstone, or steatite, procured from Santa Catalina Island quarries. This highly prized material was used for making pipes, animal carvings, ritual objects, ornaments, and cooking utensils. The Gabrielino profited well from trading steatite since it was valued so much by groups throughout southern California (Bean and Smith 1978; Kroeber 1976).

Ethnohistoric Period (1769 to Present)

Traditionally, the history of the state of California has been divided into three general periods: the Spanish Period (1769 to 1821), the Mexican Period (1822 to 1846), and the American Period (1848 to present) (Caughey 1970). The American Period is often further subdivided into additional phases: the nineteenth century (1848 to 1900), the early twentieth century (1900 to 1950), and the Modern Period (1950 to present). From an archaeological standpoint, all of these

phases can be referred to together as the Ethnohistoric Period. This provides a valuable tool for archaeologists, as ethnohistory is directly concerned with the study of indigenous or non-Western peoples from a combined historical/anthropological viewpoint, which employs written documents, oral narrative, material culture, and ethnographic data for analysis.

European exploration along the California coast began in 1542 with the landing of Juan Rodriguez Cabrillo and his men at San Diego Bay. Sixty years after the Cabrillo expeditions, an expedition under Sebastian Viscaíno made an extensive and thorough exploration of the Pacific coast. Although the voyage did not extend beyond the northern limits of the Cabrillo track, Viscaíno had the most lasting effect upon the nomenclature of the coast. Many of his place names have survived, whereas practically every one of the names created by Cabrillo have faded from use. For instance, Cabrillo named the first (now) United States port he stopped at "San Miguel"; 60 years later, Viscaíno changed it to "San Diego" (Rolle 1969). The early European voyages observed Native Americans living in villages along the coast but did not make any substantial, long-lasting impact. At the time of contact, the Luiseño population was estimated to have ranged from 4,000 to as many as 10,000 individuals (Bean and Shipek 1978; Kroeber 1976).

The historic background of the project area began with the Spanish colonization of Alta California. The first Spanish colonizing expedition reached southern California in 1769 with the intention of converting and civilizing the indigenous populations, as well as expanding the knowledge of and access to new resources in the region (Brigandi 1998). As a result, by the late eighteenth century, a large portion of southern California was overseen by Mission San Luis Rey (San Diego County), Mission San Juan Capistrano (Orange County), and Mission San Gabriel (Los Angeles County), who began colonization the region and surrounding areas (Chapman 1921).

Up until this time, the only known way to feasibly travel from Sonora to Alta California was by sea. In 1774, Juan Bautista de Anza, an army captain at Tubac, requested and was given permission by the governor of the Mexican State of Sonora to establish an overland route from Sonora to Monterey (Chapman 1921). In doing so, Juan Bautista de Anza passed through Riverside County and described the area in writing for the first time (Caughey 1970; Chapman 1921). In 1797, Father Presidente Lausen (of Mission San Diego de Alcalá), Father Norberto de Santiago, and Corporal Pedro Lisalde (of Mission San Juan Capistrano) led an expedition through southwestern Riverside County in search of a new mission site to establish a presence between San Diego and San Juan Capistrano (Engelhardt 1921). Their efforts ultimately resulted in the establishment of Mission San Luis Rey in Oceanside, California.

Each mission gained power through the support of a large, subjugated Native American workforce. As the missions grew, livestock holdings increased and became increasingly vulnerable to theft. In order to protect their interests, the southern California missions began to expand inland to try and provide additional security (Beattie and Beattie 1939; Caughey 1970). In order to meet their needs, the Spaniards embarked on a formal expedition in 1806 to find potential locations within what is now the San Bernardino Valley. As a result, by 1810, Father Francisco Dumetz of Mission San Gabriel had succeeded in establishing a religious site, or capilla, at a

Cahuilla rancheria called Guachama (Beattie and Beattie 1939). San Bernardino Valley received its name from this site, which was dedicated to San Bernardino de Siena by Father Dumetz. The Guachama rancheria was located in present-day Bryn Mawr in San Bernardino County.

These early colonization efforts were followed by the establishment of estancias at Puente (circa 1816) and San Bernardino (circa 1819) near Guachama (Beattie and Beattie 1939). These efforts were soon mirrored by the Spaniards from Mission San Luis Rey, who in turn established a presence in what is now Lake Elsinore, Temecula, and Murrieta (Chapman 1921). The indigenous groups who occupied these lands were recruited by missionaries, converted, and put to work in the missions (Pourade 1961). Throughout this period, the Native American populations were decimated by introduced diseases, a drastic shift in diet resulting in poor nutrition, and social conflicts due to the introduction of an entirely new social order (Cook 1976).

Mexico achieved independence from Spain in 1822 and became a federal republic in 1824. As a result, both Baja and Alta California became classified as territories (Rolle 1969). Shortly thereafter, the Mexican Republic sought to grant large tracts of private land to its citizens to begin to encourage immigration to California and to establish its presence in the region. Although a number of similar land grants originally were issued under the Spanish, the Mexican government greatly expanded the process, issuing 50 land grants between 1822 and 1832 (Library of Congress, General Collections 2021). Part of the establishment of power and control included the desecularization of the missions circa 1832. These same missions were also located on some of the most fertile land in California and, as a result, were considered highly valuable. The resulting land grants, known as "ranchos," covered expansive portions of California and by 1846, more than 600 land grants had been issued by the Mexican government (Library of Congress, General Collections 2021). Rancho Jurupa was the first rancho to be established and was issued to Juan Bandini in 1838. Although Bandini primarily resided in San Diego, Rancho Jurupa was located in what is now Riverside County (Pourade 1963). A review of Riverside County place names quickly illustrates that many of the ranchos in Riverside County lent their names to present-day locations, including Jurupa, El Rincon, La Sierra, El Sobrante de San Jacinto, La Laguna (Lake Elsinore), Santa Rosa, Temecula, Pauba, San Jacinto Nuevo y Potrero, and San Jacinto Viejo (Gunther 1984). As was typical of many ranchos, these were all located in the valley environments within western Riverside County.

The treatment of Native Americans grew worse during the Rancho Period. Most of the Native Americans were forced off of their land or put to work on the now privately-owned ranchos, most often as slave labor. In light of the brutal ranchos, the degree to which Native Americans had become dependent upon the mission system is evident when, in 1838, a group of Native Americans from Mission San Luis Rey petitioned government officials in San Diego to relieve suffering at the hands of the rancheros:

> We have suffered incalculable losses, for some of which we are in part to be blamed for because many of us have abandoned the Mission … We plead and beseech you

> … to grant us a Rev. Father for this place. We have been accustomed to the Rev. Fathers and to their manner of managing the duties. We labored under their intelligent directions, and we were obedient to the Fathers according to the regulations, because we considered it as good for us. (Brigandi 1998:21)

Native American culture had been disrupted to the point where they could no longer rely upon prehistoric subsistence and social patterns. Not only does this illustrate how dependent the Native Americans had become upon the missionaries, but it also indicates a marked contrast in the way the Spanish treated the Native Americans compared to the Mexican and United States ranchers. Spanish colonialism (missions) is based upon utilizing human resources while integrating them into their society. The Mexican and American ranchers did not accept Native Americans into their social order and used them specifically for the extraction of labor, resources, and profit. Rather than being incorporated, they were either subjugated or exterminated (Cook 1976).

By 1846, tensions between the United States and Mexico had escalated to the point of war (Rolle 1969). In order to reach a peaceful agreement, the Treaty of Guadalupe Hidalgo was put into effect in 1848, which resulted in the annexation of California to the United States. Once California opened to the United States, waves of settlers moved in searching for gold mines, business opportunities, political opportunities, religious freedom, and adventure (Rolle 1969; Caughey 1970). By 1850, California had become a state and was eventually divided into 27 separate counties. While a much larger population was now settling in California, this was primarily in the central valley, San Francisco, and the Gold Rush region of the Sierra Nevada Mountain range (Rolle 1969; Caughey 1970). During this time, southern California grew at a much slower pace than northern California and was still dominated by the cattle industry established during the earlier rancho period. However, by 1859, the first United States Post Office in what would eventually become Riverside County was set up at John Magee's store on the Temecula Rancho (Gunther 1984).

During the same decade, circa 1852, the Native Americans of southern Riverside County, including the Luiseño and the Cahuilla, thought they had signed a treaty resulting in their ownership of all lands from Temecula to Aguanga east to the desert, including the San Jacinto Valley and the San Gorgonio Pass. The Temecula Treaty also included food and clothing provisions for the Native Americans. However, Congress never ratified these treaties, and the promise of one large reservation was rescinded (Brigandi 1998).

With the completion of the Southern Pacific Railroad in 1869, southern California saw its first major population expansion. The population boom continued circa 1874 with the completion of connections between the Southern Pacific Railroad in Sacramento to the transcontinental Central Pacific Railroad in Los Angeles (Rolle 1969; Caughey 1970). The population influx brought farmers, land speculators, and prospective developers to the region. As the Jurupa area became more and more populated, circa 1870, Judge John Wesley North and a group of associates

founded the city of Riverside on part of the former rancho.

Although the first orange trees were planted in Riverside County circa 1871, it was not until a few years later when a small number of Brazilian navel orange trees were established that the citrus industry truly began in the region (Patterson 1971). The Brazilian navel orange was well suited to the climate of Riverside County and thrived with assistance from several extensive irrigation projects. At the close of 1882, an estimated half a million citrus trees were present in California. It is estimated that nearly half of that population was in Riverside County. Population growth and 1880s tax revenue from the booming citrus industry prompted the official formation of Riverside County in 1893 out of portions of what was once San Bernardino County (Patterson 1971).

Shortly thereafter, with the start of World War I, the United States began to develop a military presence in Riverside County with the construction of March Air Reserve Base. During World War II, Camp Anza and Camp Haan were constructed, with the former located in the western part of the city of Riverside and the latter in what is now the current location of the National Veteran's Cemetery. In the decades that followed, populations spread throughout the county into Lake Elsinore, Corona, Norco, Murrieta, and Wildomar. However, a significant portion of the county remained largely agricultural well into the 1970s. Following the 1970s, Riverside saw a period of dramatic population increase as the result of new development, more than doubling the population of the county with a population of over 1.3 million residents (Patterson 1971).

General History of the Project Area

The project site is located within the Rancho San Jacinto Nuevo y Portrero Land Grant, which was granted to Miguel Pedrorena by Mexican Governor Pío Pico in 1846 (Hoffman 1862). After Pedrorena's death in 1850, the land grant passed to his heirs under the guardianship of T.W. Sutherland (Gunther 1984). In 1881, the California Southern Railroad laid the tracks for the transcontinental route of the Santa Fe Railway through what was referred to at that time as the San Jacinto Plains. Surveying and construction of the railroad route was led by Frederick Thomas Perris, for whom the city of Perris was named. The railroad was completed in 1882, which allowed hundreds of settlers to enter the area for homesteading, most of them settling in Pinacate to the south (City of Perris 2019). While still part of San Diego County, Rancho San Jacinto Nuevo y Portrero was patented to Sutherland in 1883 (Robinson 1997). In 1885, the citizens of Pinacate created a more conveniently located station along the railroad route, and in 1886, the town site of Perris was established (City of Perris 2019).

Starting in the late nineteenth century and extending through the twentieth century, Perris was mainly an agricultural community focusing upon grain, grapes, potatoes, melons, alfalfa, and green vegetables. Although the property is located just to the north, it is located within an area historically influenced by the Perris Irrigation District, also known as the Perris Land Company. The holdings of the Perris Land Company were subdivided in 1891, under the moniker of the

Riverside Tract. The name of the tract was dictated by the investors, almost all of which resided in the city of Riverside (Gunther 1984). The land was laid out in 80-acre blocks which were subdivided into ten acre lots. The farm lots were sold off to farmers and speculators alike. The subject property includes Lots 1 through 3 of Block 3 of the Riverside Tract.

Investors were guaranteed of the success of the Perris Irrigation District; however, by 1900, many of the properties had failed as farmers could not obtain a steady access to water. However, the Riverside Tract suffered early on due to an inability to obtain a steady supply of water. In 1883, pioneer Frank E. Brown formed the Bear Valley Land and Water Company, which, by 1885, had successfully constructed the largest water reservoir in the county at the time (the Bear Valley Dam and Reservoir) to supply water to the city of Redlands (City of Moreno Valley 2019). With its now-ample water supply, the city of Redlands flourished, and Brown soon began expanding the Bear Valley Land and Water Company's holdings in order to provide water to the surrounding areas. Among those regions slated to receive Bear Valley water was the town site of Perris, and in 1890, a group of investors formed the Perris Irrigation District and established an agreement with the Bear Valley Land and Water Company to provide water to the region (Hinton 1892). However, "Frank Brown had overestimated the Bear Valley Dam and Reservoir's capability to supply the Inland Empire," and due to a period of drought between 1891 and 1893, the reservoir failed to meet all of its obligations for water delivery (Berba 2017; *Redlands Daily Facts* 2008). The lack of water severely affected farmers who had developed an agricultural base of deciduous and citrus fruit trees, and residents of the region were forced to leave the area for a more habitable environment. Although the Perris Irrigation District was not as successful as originally predicted, traditionally, the area did remain agricultural throughout the twentieth century.

The general area also was influenced by the development of March Air Reserve Base during the twentieth century. March Air Reserve Base was orginally established on March 1, 1918 as the Alessandro Flying Training Field following the United States' entry into World War I (Gunther 1984). The name was officially changed to March Field on March 20, 1918 in honor of Peyton C. March, Jr., who had been killed in a training plane crash in Fort Worth, Texas earlier that year. The air field changed names many times throughout the 1940s. In 1941, the name was changed to March Army Air Field; in 1942, to March Army Air Base; in 1947, to March Army Air Force Base to reflect the establishment of the United States Air Force; and finally to March Air Reserve Base in 1996 (March Field Air Museum 2020). Although the official name changed multiple times, residents have continued to refer to it as "March Field" (Gunther 1984).

The establishment of March Air Reserve Base was important to the region due to the role the local inhabitants would play during World War I and World War II. Farming continued to be important to the region which was aided by access to new water sources. A portion of the Colorado River Aqueduct was constructed through the region in 1939 to transport water from the Colorado river to nearby Lake Mathews. The alignment of the aqueduct within the Val Verde region was named the Val Verde Cut and the Val Verde Tunnel. The Val Verde Cut was the only portion of the aqueduct that was unlined, running for approximately one mile (Gunther 1984). Further,

during the mid- to late twentieth century, the Riverside County Flood Control and the Metropolitan Water District (MWD) began to establish storm drains and new modern water conveyance systems. The establishment of these modern water conveyance systems along with the Val Verde Tunnel allowed farmers to better manage water on their land (City of Perris 2019; Environmental Science Associates 2016; MWD 2019).

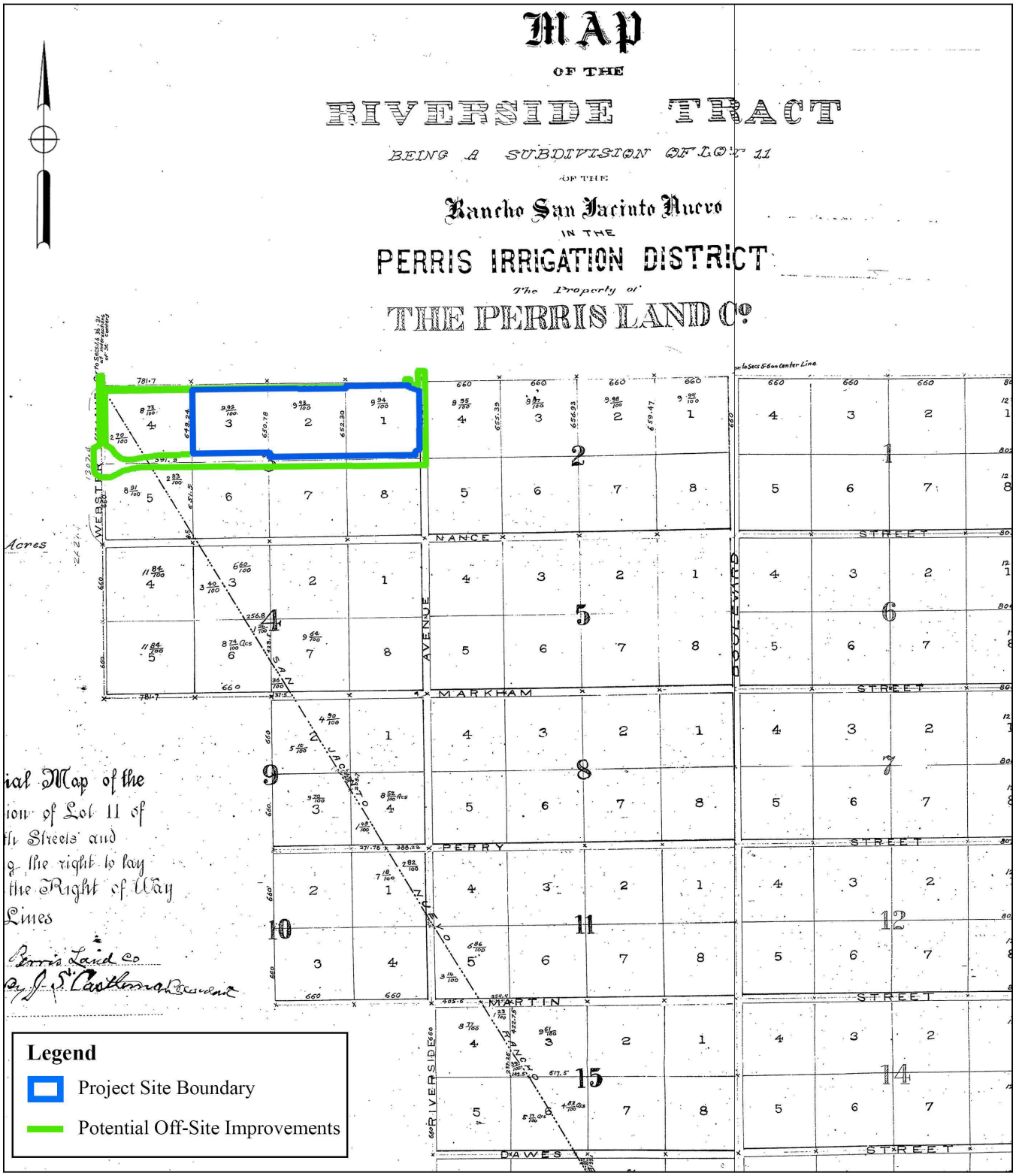
Although the Perris region generally remained agricultural throughout the twentieth century, in recent years, the city has seen a growth in residential and industrial development. Today, many of the large agricultural fields have been developed into large logistics centers and warehouses servicing the greater Southern California region.

Project Site Development History

BLM GLO records show that, after Pedrorena's ownership, the property was granted to Beverly A. Stratton in 1890. Plat maps available on the BLM website do not show any buildings or structures within the subject property; however, the 1855 and 1890 plat maps do show an unnamed southwest-trending trail extending through the property. When subdivided in 1891 for the Riverside Tract, the project site consisted of three lots identified as Lots 1 through 3 of Block 3 (Figure 4). Lots within the Riverside Tract were approximately 10 acres.

Based upon aerial photographs beginning in 1938, the property historically consisted of a vacant or agricultural field. Between 1978 and 1985 the 4.1-acre southeast corner parcel (APN 302-020-032) appears to have been graded. Although unclear, the 1985 aerial appears to show some structures within this area of the property. However, by 2002 this parcel again appears completely clear and vacant. This portion of the property appears to have remained vacant until a photograph available from Google Earth shows the property actively being graded and developed in October of 2005 for the warehouse that presently exists there.

The remaining project site acreage (APNs 302-020-013, -028, -032, -038, -040, -043, and -048) appears to have primarily remained agricultural. Between 1985 and 1997, three ancillary agricultural structures appear in the property respectively located in the west-central, north-central, and northeast portion of the property. However, by 2005, two had already been removed with the third being demolished between 2018 and 2019. Although current imagery shows remnant foundations for these structures, they are modern (constructed between 1985 and 1997) and would not be considered old enough to qualify for recordation or evaluation as a historical resource under CEQA criteria.



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Figure 4
Historic Subdivision Map
The First Harley Knox II Project

The surrounding area has changed considerably through the twentieth and twenty-first centuries. Originally, the property was bounded on the north by Oleander Avenue, on the east by Riverside Avenue, and on the south by open agricultural fields. Along the alignment of Oleander Avenue, the Lateral B-Oleander Channel was constructed in the 1950s. Since its original construction, the channel has been consistently improved. In 2016, a section of the Lateral B-Oleander Channel intersected by the potential off-site improvements, was formally recorded with the EIC as P-33-024867 and evaluated as ineligible for listing on the California Register of Historical Resources (CRHR) (Smallwood 2016a). Between 1997 and 2002, Harley Knox Boulevard was constructed along the southern boundary of the project site and by 2016, the intersection of Harley Knox Boulevard and Webster Avenue, just southwest of the project site, was converted into a roundabout. Also in 2016, the segment of Webster Avenue located within the proposed off-site improvement areas was recorded as Site P-33-024868 and was also evaluated as ineligible for listing on the CRHR (Smallwood 2016b). Currently, Riverside Avenue has been renamed to Indian Avenue which has also been steadily improved since the construction of Harley Knox Boulevard. As a result of improvements and steady maintenance of the surrounding infrastructure no historic elements of any of the surrounding roads exist.

Project Site Ownership History

Additional research into property owners was conducted at the Robert J. Fitch County of Riverside Archives. Between 1892 and 1964, the property changed ownership multiple times, and no values for buildings or trees/vines were ever assessed for the project site. Very limited information could be identified for the various owners of the subject property. Because no improvements to the property were ever assessed, only the most relevant owners are discussed in detail; full ownership information can be found in Appendix D, where copies of the Assessor's lot book pages are provided.

As stated above, the property was identified as Lots 1 through 3 of Block 3 of the Riverside Tract. In 1892, Lots 1 through 3 were assessed to "Ford + Marcy." The various lots changed hands multiple times throughout the late nineteenth and early twentieth century. By 1910, Lots 2 and 3 had been acquired by W.G. Talbert, and in 1915, Lot 1 was assessed to W.S. Gray. The Assessor's lot books show that both Talbert and Gray owned multiple other farm lots surrounding the subject property. Ownership information between 1932 and 1937 was not available. By 1938, Lots 2 and 3 were owned by Samuel P. Luzzo, who sold the land in 1943 to Thomas D. and Nellie M. Shaffer. W.S. Gray maintained ownership of Lot 1 through 1946 when ownership was transferred to Ira W. and Pauline M. Clark.

By 1956, the entire project site was owned by Ira W. and Pauline M. Clark, who owned the property until 1964, the last available book found within the archives. Based upon the Assessor's records, the Clarks purchased multiple farm lots in the area during the mid-1950s. Online marriage records indicated Ira and Pauline were married in Oklahoma in 1928. An inventory of inscriptions compiled from tombstones found within the Perris Valley Cemetery

District indicates that Ira was born in 1905 and passed away in 1992, while Pauline was born in 1910 and passed away in 1990 (Barnhurst 2003). Despite owning multiple agricultural fields in the region, like the rest of the previous property owners, very little information pertaining to the Clarks could be found within historic newspapers and online archives.

III. PROJECT DESCRIPTION

The overall project site consists of 25.6 acres located northwest of the intersection of Harley Knox Boulevard and Indian Avenue in the city of Perris, Riverside County, California. The subject property lies just southeast of March Air Reserve Base/Inland Port Airport and includes APNs 302-020-013, -028, -032, -038, -040, -043, and -048. The property can be characterized as generally flat valley topography that has been used for agriculture for several decades and contains an existing warehouse constructed in the southeast corner in 2005. The project applicant proposes to clear the property for a new warehouse development along with approximately 10-acres of potential adjacent off-site infrastructure improvements.

IV. SCOPE OF WORK

In order to determine the presence of cultural resources within the proposed project site and off-site improvement area, the archaeological investigation consisted of the following tasks:

1) An archaeological records search was conducted by BFSA at the EIC at UCR to gather any information regarding recorded cultural resources within or adjacent to the project site.
2) A review of the Sacred Lands File (SLF) search was conducted by the Native American Heritage Commission (NAHC) for the property.
3) Additional archival research of the property was conducted, including historic maps, BLM GLO records, County of Riverside Robert J. Fitch Archives records, Riverside County Assessor's data, and Riverside County Transportation and Land Management Agency (TLMA) records.
4) The initial archaeological survey of the property was accomplished by conducting a systematic pedestrian survey that followed survey transects, which were spaced 10 meters apart and paralleled the existing street directions. All areas of disturbed ground and any rodent burrows were analyzed for evidence of buried archaeological deposits.
5) This archaeological technical report was prepared to present the results of the field survey, impact analysis, assessment of any identified resources, and presentation of any mitigation measures required for project approval.

Research Goals

The primary goal of the research design is to attempt to understand the way in which humans have used the land and resources within the project site over time, as well as to aid in the determination of resource significance. For the current project, the study area under investigation is the west-central portion of Riverside County. The scope of work for the archaeological program conducted for the First Harley Knox II Project included a survey of the approximately 25.6-acre project site. Given the area involved and the narrow focus of the cultural resources study, the research design for this project was necessarily limited and general in nature. Since the main objective of the investigation was to identify the presence of and potential impacts to cultural resources, the goal here is not necessarily to answer wide-reaching theories regarding the development of early southern California, but to investigate the role and importance of the identified resources. Although survey-level investigations are limited in terms of the amount of information available, several specific research questions were developed that could be used to guide the initial investigations of any observed cultural resources. The following research questions take into account the size and location of the project site.

Research Questions:

- Can located cultural resources be situated with a specific time period, population, or individual?
- Do the types of located cultural resources allow a site activity/function to be determined from a preliminary investigation? What are the site activities? What is the site function? What resources were exploited?
- How do the located sites compare to others reported from different surveys conducted in the area?
- How do the located sites fit existing models of settlement and subsistence for valley environments of the region?

Data Needs

At the survey level, the principal research objective is a generalized investigation of changing settlement patterns in both the prehistoric and historic periods within the study area. The overall goal is to understand settlement and resource procurement patterns of the project site occupants. Therefore, adequate information on site function, context, and chronology from an archaeological perspective is essential for the investigation. The fieldwork and archival research were undertaken with these primary research goals in mind:

1) To identify cultural resources occurring within the project site;
2) To determine, if possible, site type and function, context of the deposit, and chronological placement of each cultural resource identified;
3) To place each cultural resource identified within a regional perspective; and

4) To provide recommendations for the treatment of each of the cultural resources identified.

Applicable Regulations

Resource importance is assigned to districts, sites, buildings, structures, and objects that possess exceptional value or quality illustrating or interpreting the heritage of Riverside County in history, architecture, archaeology, engineering, and culture. A number of criteria are used in demonstrating resource importance. Specifically, criteria outlined in CEQA and the Guidelines for Implementation of the California Environmental Quality Act (CEQA Guidelines) provide the guidance for making such a determination. The following sections detail the CEQA criteria that a resource must meet in order to be determined important.

California Environmental Quality Act

According to the CEQA Guidelines (§15064.5a), the term "historical resource" includes the following:

1) A resource listed in or determined to be eligible by the State Historical Resources Commission for listing in, the CRHR (Public Resources Code SS5024.1, Title 14 CCR. Section 4850 et seq.).
2) A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3) Any object, building, structure, site, area, place, record, or manuscript, which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the CRHR (Public Resources Code SS5024.1, Title 14, Section 4852) including the following:

    a) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
    b) Is associated with the lives of persons important in our past;
    c) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or

possesses high artistic values; or

d) Has yielded, or may be likely to yield, information important in prehistory or history.

4) The fact that a resource is not listed in, or determined eligible for listing in the CRHR, not included in a local register of historical resources (pursuant to Section 5020.1[k] of the Public Resources Code), or identified in an historical resources survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code Section 5020.1(j) or 5024.1.

According to the CEQA Guidelines (§15064.5b), a project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. The CEQA Guidelines define a substantial adverse change as:

1) Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.
2) The significance of an historical resource is materially impaired when a project:

   a) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the CRHR; or
   b) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or,
   c) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the CRHR as determined by a lead agency for purposes of CEQA.

Section 15064.5(c) of the CEQA Guidelines applies to effects on archaeological sites and contains the following additional provisions regarding archaeological sites:

1) When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource, as defined in subsection (a).
2) If a lead agency determines that the archaeological site is an historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, Section 15126.4 of the CEQA Guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
3) If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21083.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of Section 21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c-f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.
4) If an archaeological resource is neither a unique archaeological nor historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or EIR, if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

CEQA Guidelines Sections 15064.5 (d) and (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) provides:

(d) When an initial study identifies the existence of, or the probable likelihood, of Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the Native American Heritage Commission (NAHC) as provided in Public Resources Code Section 5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains, and any items associated with Native American burials with the appropriate Native Americans as identified by the NAHC. Action implementing such an agreement is exempt from:

    1) The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5).
    2) The requirement of CEQA and the Coastal Act.

Local Guidelines

The project site is situated within the PVCC Specific Plan area of the City of Perris. The PVCC Specific Plan was adopted by the City of Perris on January 12, 2012 (Ordinance No. 1284). Environmental impacts resulting from implementation of allowed development under the PVCC

Specific Plan have been evaluated in the Perris Valley Commerce Center Specific Plan Final Environmental Impact Report (PVCCSP EIR) (State Clearinghouse No. 2009081086), which was certified by the City of Perris in January 2012. The PVCCSP EIR analyzes the direct and indirect impacts resulting from implementation of the allowed development under the PVCC Specific Plan. Measures to mitigate, to the extent feasible, the significant adverse project and cumulative impacts resulting from that development are identified in the EIR. The PVCCSP EIR includes mitigation measures for the study and protection of cultural resources. The required mitigation measures from the PVCCSP EIR, as modified by the City of Perris, have been incorporated into the project and are presented in Section VI of this report below. However, the PVCCSP EIR does not establish any additional local level criteria for evaluating resources beyond the standard CEQA criteria. Rather, the PVCCSP EIR reiterates that proposed projects within the PVCC area must adhere to the following two measures from the City of Perris General Plan – Conservation Element (2008) to assess the potential for significant resources within the subject property:

Implementation Measure IV.A.2	For all projects subject to CEQA, applicants will be required to submit results of an archaeological records search request through the Eastern Information Center, at the University of California, Riverside.
Implementation Measure IV.A.3	Require Phase I Surveys for all projects located in areas that have not previously been surveyed for archaeological or historic resources, or which lie near areas where archaeological and/or historic sites have been recorded.

V. RESULTS OF THE STUDY

Background Research and Results of Record Searches

BFSA conducted a records search utilizing data obtained from the EIC at UCR (Appendix B). The search identified 27 resources within one mile of the subject property, none of which are located directly within the project site boundaries (Table 1). Two of those resources (P-33-024868, a historic segment of Webster Avenue and P-33-024867, a segment of the Lateral B-Oleander Channel) are intersected by the potential off-site improvements northwest of the project site acreage (Figure 5). Again, both resources were recorded in 2016 and evaluated as not CRHR eligible (Smallwood 2016a and Smallwood 2016b).

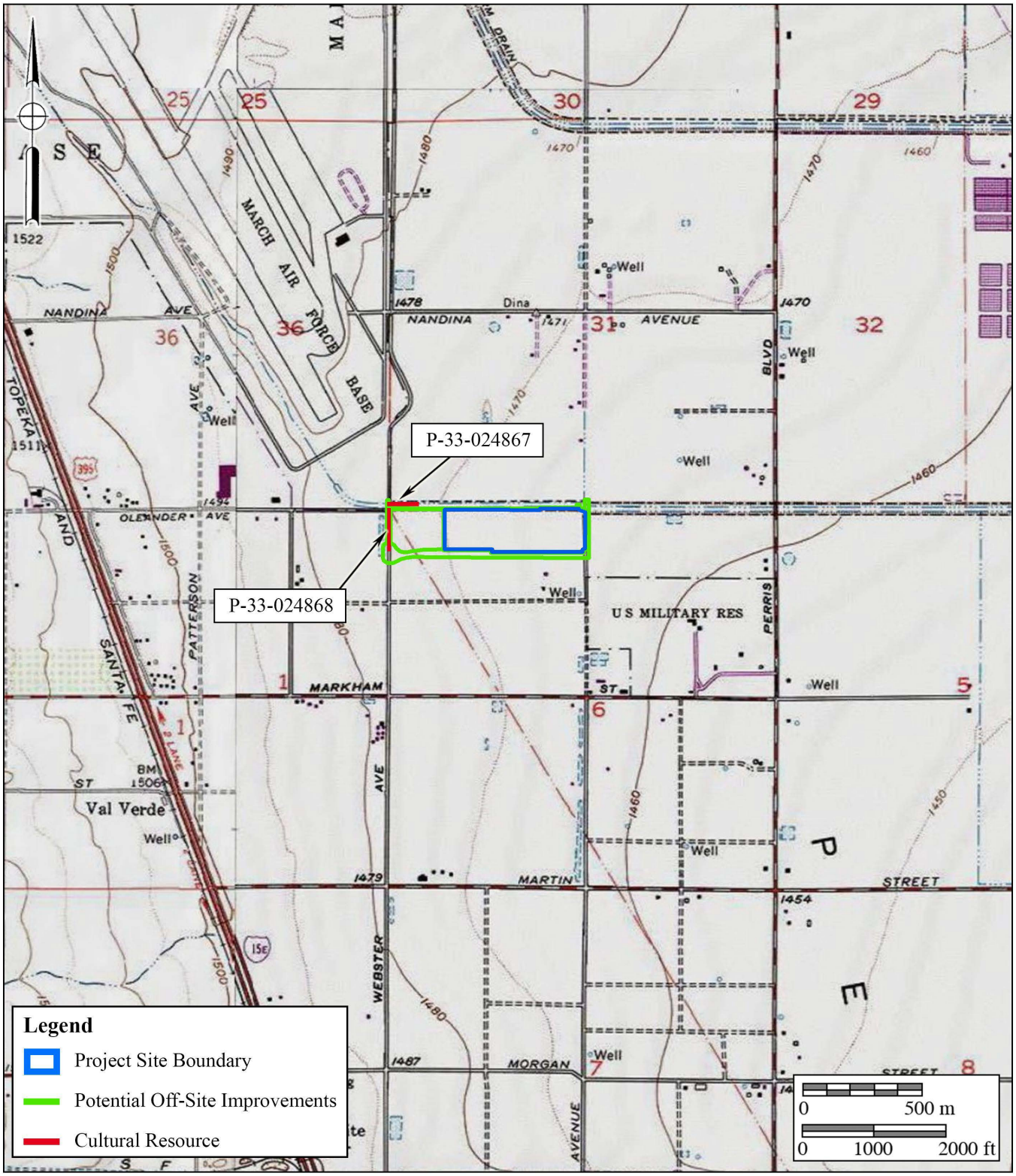
In all, the resources identified during the records search consist of one historic railroad siding, one historic railroad track alignment, the historic March Air Force Base well house, a historic residence, two historic former Camp Haan barracks buildings (moved to their current locations), the historic Val Verde School (now demolished), six historic well features, five historic water conveyance or agricultural irrigation systems, two historic foundations, one historic

foundation with an associated trash scatter, one historic flood control channel segment, one historic refuse deposit, one historic utility pole site, one historic well and road segment, the segment of Webster Avenue, and the Lateral B-Oleander. No prehistoric resources are mapped within one mile of the project site.

Table 1

Previously Recorded Cultural Resources
Within a One-Mile Radius of the Project Site

Site Number(s)	Site Description
RIV-1183	Historic railroad siding
RIV-8196H	Historic railway tracks
RIV-5516H	Historic March Air Force Base well house
P-33-007639	Historic residence
P-33-007649 and P-33-007650	Historic Camp Haan barracks building (moved to this location)
P-33-007674	Historic Val Verde School (demolished)
RIV-10,111, RIV-10,260, P-33-008700, P-33-011604, P-33-0015854, and P-33-024092	Historic well
RIV-8222, RIV-8132, RIV-12,878, P-33-008699, and P-33-008701	Historic water conveyance/ agricultural irrigation system
RIV-11,291 and P-33-008702	Historic foundation(s)
RIV-8390	Historic foundations with associated trash scatter
P-33-024854	Historic flood control channel segment
P-33-024867	Historic Lateral B-Oleander
P-33-024868	Historic Webster Avenue segment
P-33-028172	Historic refuse deposit
RIV-12,877	Historic utility poles
P-33-028621	Historic well and road segment



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Figure 5

Cultural Resource Location Map

The First Harley Knox II Project

USGS *Perris* and *Steele Peak* Quadrangles (7.5-minute series)

The records search results also indicated that there has been a total of 51 cultural resource studies conducted within a one-mile radius of the project site, two of which overlap the current project site (Tang et al. 2007; William Manley Consulting and Earth Tech 1995).

The William Manley Consulting and Earth Tech (1995) study was a historic building inventory and evaluation program for the March Air Reserve Base, which is directly northwest of the subject property. No resources were identified within the current project site as a result of this study. The Tang et al. (2007) study was a large overview of resources within the North Perris Industrial Specific Plan, which would later become the current PVCC Specific Plan. The study included a focused survey (mostly conducted as a windshield survey), records search, literature review, and public outreach. Although the current project site was not systematically surveyed during the Tang et al. (2007) study, based upon research, recent development, and cultural resource density, the current property was assigned a cultural resource sensitivity rating of moderate to high. The complete records search results can be found within Appendix B.

BFSA also reviewed the following historic sources:

- The National Register of Historic Places Index
- The Office of Historic Preservation (OHP), Archaeological Determinations of Eligibility
- The OHP Built Environment Resources Directory

None of these additional sources identified any other potential resources within the project site. In addition to the EIC data, the records search process included gathering project site-specific information from BLM GLO records, historic maps, aerial photographs, the County of Riverside Robert J. Fitch Archives records, Riverside County Assessor's data, and Riverside County TLMA records, which all have been incorporated into the presented history of the project site. BFSA also requested a records search of the NAHC SLF, which was returned with positive results for the presence of Native American sacred sites or locations of ceremonial importance within the vicinity of the project. In accordance with the recommendations of the NAHC, BFSA contacted all Native American consultants listed in the NAHC response letter to request any relevant information concerning the property. As of this date, BFSA received one response. Jill McCormick of the Fort Yuma Quechan Indian Tribe responded that they do not wish to comment on the project and defer to the local tribes. This request is not part of any Assembly Bill 52 Native American consultation. Correspondence with the NAHC can be found within Appendix C.

The potential for cultural resources to be present within a given area is usually indicated by known settlement patterns, which in western Riverside County were focused around freshwater resources and a food supply. The property does not contain any natural permanent water sources or features that would have been advantageous to the prehistoric occupation in the region. Prehistoric sites within the general vicinity are primarily focused within the bedrock-laden hills surrounding Lake Perris and the Motte Rimrock Preserve. Further, the records search and

literature review suggests that there is a low potential for prehistoric cultural resources to be located within the project site. The results of the records search indicate that historic resources associated with the agricultural history of the region should be the primary site type present within the property, considering the history of the area and the lack of prehistoric sites recorded near the project site.

Field Reconnaissance

Principal Investigator Brian F. Smith conducted the pedestrian survey of the subject property and potential off-site improvement areas on January 5, 2022, and March 5, 2023. Aerial photographs, maps, and a compass permitted orientation and location of the project site boundaries. Where possible, narrow transect paths were employed to ensure maximum lot coverage. All exposed ground was inspected for cultural materials. During the survey, particular attention was paid to areas with exposed ground surfaces, such as rodent burrows and areas around the base of vegetation. A survey form, field notes, and photographs documented the survey work undertaken.

At the time of the survey, the subject property was primarily characterized as a vacant flat, previously cleared and disked property (Plates 1 and 2). However, the southeastern parcel is fully developed containing the existing 2005 warehouse building, parking lot, and associated landscaping (Plates 3 and 4). As such, very little exposed ground was present in this location and visibility of the natural ground surface was non-existent while vegetation here was primarily comprised of maintained commercial landscaping. Conversely, ground visibility was moderate to good throughout the undeveloped areas of the project site, primarily hindered by vegetation and piles of modern trash which has been recently dumped throughout the property. Vegetation within this area of the project site consisted of non-native weeds and grasses. Noted disturbances to the property included disking, clearing, piles of modern trash and building materials, dirt roads, and demolished buildings. The three modern foundations seen in the aerial photographs were identified on the property (Plates 3 to 5). The conditions of the foundations range from fair to poor and some are covered with piles of trash and building materials. Regardless, these foundations are not old enough to meet the age threshold under CEQA to be considered historic.

The archaeological reconnaissance did not identify any significant historic or prehistoric sites, features, or artifacts on the property. No existing historic elements of the previously documented Webster Avenue or Lateral B-Oleander Channel were observed. Constant maintenance and improvements have either removed or replaced any historic elements to surrounding infrastructure.



Plate 1: Overview of the project site from the west boundary, facing east. Note the evidence of recent disking and clearing of the property.



Plate 2: Overview of the project site from the northeast boundary, facing west.



Plate 3: View of the south side of the existing warehouse building, facing northwest.



Plate 4: Overview of the north side of the warehouse and parking area, facing southwest.



Plate 5: View of a modern foundation in the west-central area of the project site.



Plate 6: View of a partially destroyed modern foundation and concrete chunks in the north-central area of the project site.



Plate 7: View of a modern foundation in the northeastern area of the project site. The foundation has been partially obscured by piles of dumped modern trash and building materials.

VI. RECOMMENDATIONS

The cultural resources study for the First Harley Knox II Project did not identify any significant cultural resources within the property or potential off-site improvement areas. Although segments of the Webster Avenue and the Lateral B-Oleander have been recorded previously, they have been evaluated as not eligible for the CRHR. Further, the property does not contain any natural permanent water sources, features that would have been advantageous to the prehistoric occupation in the region, and no prehistoric sites are recorded within one mile of the property. The property was historically utilized for agriculture, and all agricultural structures visible on aerial photographs within the property were constructed after 1985 and have been removed from the property. The only existing structure within the project site is a warehouse in the southeast corner constructed in 2005. As such, none of the remanent foundations or the existing warehouse structure would qualify to be studied as a potential historical resource under CEQA criteria. Therefore, based on the records search and the results of the field survey, there is little potential for any cultural resources to be inadvertently impacted by the project. No further archaeological study is recommended as a condition of permit approval, and no site-specific mitigation measures for cultural resources are recommended as a condition of approval.

Although there is little potential for any cultural resources to be impacted by the development, due to input from local Native American groups, including the positive NAHC results, as well as the City of Perris, during the review of previous projects within the PVCCSP, the initial ground-disturbing activities should be monitored by an archaeologist and Native American representative in accordance with the PVCCSP EIR. As such, a professional archaeologist shall be retained by the project proponent/developer to monitor the initial ground-disturbing activities at the project site. The archaeologist shall be responsible for monitoring ground-disturbing activities, maintaining daily field notes and a photographic record, and reporting all finds to the developer and the City of Perris in a timely manner. Should human remains be discovered, treatment of these remains shall follow California Public Resources Code 5097.9. Any human remains that are determined to be Native American shall be reported to the Riverside County Medical Examiner and subsequently to the NAHC.

VII. CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this archaeological report, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief, and have been compiled in accordance with CEQA criteria as defined in Section 15064.5.

Andrew J. Garrison — November 18, 2024

Andrew J. Garrison
Project Archaeologist

Date

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APPENDIX A

Qualifications of Key Personnel

Andrew J. Garrison, M.A., RPA

Project Archaeologist

BFSA Environmental Services, a Perennial Company
14010 Poway Road • Suite A •
Phone: (858) 679-8218 • Fax: (858) 679-9896 • E-Mail: agarrison@bfsa.perennialenv.com

Education

Master of Arts, Public History, University of California, Riverside **2009**

Bachelor of Science, Anthropology, University of California, Riverside **2005**

Bachelor of Arts, History, University of California, Riverside **2005**

Professional Memberships

Register of Professional Archaeologists
Society for California Archaeology
Society for American Archaeology
California Council for the Promotion of History
Society of Primitive Technology
Lithic Studies Society
California Preservation Foundation
Pacific Coast Archaeological Society

Experience

Project Archaeologist **June 2017–Present**
BFSA Environmental Services, A Perennial Company **Poway, California**

Project management of all phases of archaeological investigations for local, state, and federal agencies including National Register of Historic Places (NRHP) and California Environmental Quality Act (CEQA) level projects interacting with clients, sub-consultants, and lead agencies. Supervise and perform fieldwork including archaeological survey, monitoring, site testing, comprehensive site records checks, and historic building assessments. Perform and oversee technological analysis of prehistoric lithic assemblages. Author or co-author cultural resource management reports submitted to private clients and lead agencies.

Senior Archaeologist and GIS Specialist **2009–2017**
Scientific Resource Surveys, Inc. **Orange, California**

Served as Project Archaeologist or Principal Investigator on multiple projects, including archaeological monitoring, cultural resource surveys, test excavations, and historic building assessments. Directed projects from start to finish, including budget and personnel hours proposals, field and laboratory direction, report writing, technical editing, Native American consultation, and final report submittal. Oversaw all GIS projects including data collection, spatial analysis, and map creation.

Preservation Researcher **2009**
City of Riverside Modernism Survey **Riverside, California**

Completed DPR Primary, District, and Building, Structure and Object Forms for five sites for a grant-funded project to survey designated modern architectural resources within the City of Riverside.

Information Officer **2005, 2008–2009**
Eastern Information Center (EIC), University of California, Riverside **Riverside, California**

Processed and catalogued restricted and unrestricted archaeological and historical site record forms. Conducted research projects and records searches for government agencies and private cultural resource firms.

Reports/Papers

2019 A Class III Archaeological Study for the Tuscany Valley (TM 33725) Project National Historic Preservation Act Section 106 Compliance, Lake Elsinore, Riverside County, California. Contributing author. Brian F. Smith and Associates, Inc.

2019 A Phase I and II Cultural Resources Assessment for the Jack Rabbit Trail Logistics Center Project, City of Beaumont, Riverside County, California. Brian F. Smith and Associates, Inc.

2019 A Phase I Cultural Resources Assessment for the 10575 Foothill Boulevard Project, Rancho Cucamonga, California. Brian F. Smith and Associates, Inc.

2019 Cultural Resources Study for the County Road and East End Avenue Project, City of Chino, San Bernardino County, California. Brian F. Smith and Associates, Inc.

2019 Phase II Cultural Resource Study for the McElwain Project, City of Murrieta, California. Contributing author. Brian F. Smith and Associates, Inc.

2019 A Section 106 (NHPA) Historic Resources Study for the McElwain Project, City of Murrieta, Riverside County, California. Brian F. Smith and Associates, Inc.

2018 Cultural Resource Monitoring Report for the Sewer Group 818 Project, City of San Diego. Brian F. Smith and Associates, Inc.

2018 Phase I Cultural Resource Survey for the Stone Residence Project, 1525 Buckingham Drive, La Jolla, California 92037. Brian F. Smith and Associates, Inc.

2018 A Phase I Cultural Resources Assessment for the Seaton Commerce Center Project, Riverside County, California. Brian F. Smith and Associates, Inc.

2017 A Phase I Cultural Resources Assessment for the Marbella Villa Project, City of Desert Hot Springs, Riverside County, California. Brian F. Smith and Associates, Inc.

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2016 John Wayne Airport Jet Fuel Pipeline and Tank Farm Archaeological Monitoring Plan. Scientific Resource Surveys, Inc. On file at the County of Orange, California.

2016 Historic Resource Assessment for 220 South Batavia Street, Orange, CA 92868 Assessor's Parcel Number 041-064-4. Scientific Resource Surveys, Inc. Submitted to the City of Orange as part of Mills Act application.

2015 Historic Resource Report: 807-813 Harvard Boulevard, Los Angeles. Scientific Resource Surveys, Inc. On file at the South Central Coastal Information Center, California State University, Fullerton.

2015 Exploring a Traditional Rock Cairn: Test Excavation at CA-SDI-13/RBLI-26: The Rincon Indian Reservation, San Diego County, California. Scientific Resource Surveys, Inc.

2014 Archaeological Monitoring Results: The New Los Angeles Federal Courthouse. Scientific Resource Surveys, Inc. On file at the South Central Coastal Information Center, California State University, Fullerton.

2012 Bolsa Chica Archaeological Project Volume 7, Technological Analysis of Stone Tools, Lithic Technology at Bolsa Chica: Reduction Maintenance and Experimentation. Scientific Resource Surveys, Inc.

Presentations

2017 "Repair and Replace: Lithic Production Behavior as Indicated by the Debitage Assemblage from CA-MRP-283 the Hackney Site." Presented at the Society for California Archaeology Annual Meeting, Fish Camp, California.

2016 "Bones, Stones, and Shell at Bolsa Chica: A Ceremonial Relationship?" Presented at the Society for California Archaeology Annual Meeting, Ontario, California.

2016 "Markers of Time: Exploring Transitions in the Bolsa Chica Assemblage." Presented at the Society for California Archaeology Annual Meeting, Ontario, California.

2016 "Dating Duress: Understanding Prehistoric Climate Change at Bolsa Chica." Presented at the Society for California Archaeology Annual Meeting, Ontario, California.

2014 "New Discoveries from an Old Collection: Comparing Recently Identified OGR Beads to Those Previously Analyzed from the Encino Village Site." Presented at the Society for California Archaeology Annual Meeting, Visalia, California.

2012 Bolsa Chica Archaeology: Part Seven: Culture and Chronology. Lithic demonstration of experimental manufacturing techniques at the April meeting of The Pacific Coast Archaeological Society, Irvine, California.

APPENDIX B

Archaeological Records Search Results

(Deleted for Public Review; Bound Separately)

APPENDIX C

NAHC Sacred Lands File Search Results

(Deleted for Public Review; Bound Separately)

APPENDIX D

Historic Documents

No.	OWNER	DESCRIPTION	Mrtg.	Sec. or Lot	Twp. or Block	Range	Acres	Surface	Quality	SD County Value 1892	LAND Value 1893	LAND Value 1894	LAND Value 1895	BUILDINGS KIND	BUILDINGS Value 1892	BUILDINGS Value 1893	BUILDINGS Value 1894	BUILDINGS Value 1895	TREES Citrus Buds	TREES Citrus Seeds	TREES Dec'd	TREES Value 1892	TREES Value 1893	TREES Value 1894	TREES Value 1895	VINES KIND	VINES Value 1892	VINES Value 1893	VINES Value 1894	VINES Value 1895	ALFALFA Acres	ALFALFA Value 1892	ALFALFA Value 1893	ALFALFA Value 1894	ALFALFA Value 1895	OTHER IMPROVEMENTS KIND	OTHER IMPROVEMENTS Value 1892	OTHER IMPROVEMENTS Value 1893	OTHER IMPROVEMENTS Value 1894	OTHER IMPROVEMENTS Value 1895	TRANSFERRED TO Date	TRANSFERRED TO NAME	TRANSFERRED TO Consideration	TRANSFERRED TO Date	TRANSFERRED TO NAME
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	Mrs Kate L. Scott			4			9.95	Level	" "		150	150	150																															
	D. G. Clayton			5			10.	Level	Sand Alk.		150	150	150																															
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	J. R. Barnham	West 1/2		6			5.	Level	" "		75	75	75																															
+	C. H. Scott	See below	428	7			(10)	Level	" "		150	150	=																								BR Daniel					7-11-94	R H Wilbourn Sarah D Button 1-20	-	8/25-94	J. C. Mennell 1-80
	"		428	8			10.	Level	" "		150	150	150																															
	R W Blake		428	1	2		47.99	Level					150																															
X	Ford & Marcey		428	1	3		9.94	Level	Sand		150	150	150																													7-11-94	Sarah D Button 1-24		1-22-94	L. C. Collins 1-129
	"		"	2			9.93	"	"		150	150	150																													do		do	
	"		"	3			9.92	"	"		150	150	150																													do		do	1-74
	"		"	4			11.63	"	"		150	150	175																													do		L. E. Leeman	1-74
	N. H. Miller			5			11.84	"	"		177	175	175																															
X	Ford & Marcey		428	6			10.	"	"		150	150	150																															
+	"		"	7			10.	"	"		150	150	150																													do			
X	"		"	8			10.	"	"		150	150	150																															
	J. E. Davis			1	4		10.	Level	Sand		150	150	150																															
	John A Simms			2			10.	Level	" "		150	150	150																															
	John H. Daugherty	Irrigation Ditch		3			10.	Level	"			150	150																															
	W. H. Miller			4			11.84	Level	"		178	175	175																															
	"			5			11.84	"	"		178	175	175																															
	"			6			10.02	"	"		150	150	150																															
	E. A Chase			7			9.64	Level	"		150	150	150																															
	L. H. Waite			8			10.	"	Grain		150	120	120																															
	Naonia J. Myers			1	5		10.	Level	Sand Alk.		150	150	150																															
	Mary A Ware			2			10.	Level	"		150	150	150																															
X	Herman J Patterson	Est		3			10.	Level	" N.W.		150	150	75																												10-29-94	Sarah J Davis 1-32	600	1-7-95	Archie E/2 Faulkner 1-109
	N. B. Irish			4			10.	Level			150	150	150	H+B				100																									
	F. J. Field			5			10.	Level	Sand		150	150	150																															
X	E. A Day			6			10.	Level	" N.W.	150	150	150	150																												6-13-95	Carrie M Everett 1-160	500		
	Alfred E. Fisher			7			10.	Level	"		150	150	150																															
	"			8			10.	"	"		150	150	150																															
	Frank A Tilley	W 1/2	1079	3			5.						75																															
	Perris Land Co	522		1	6		12.17	"	Alk. Wk.		120	120	120																												5-11-94	L E Leeman 1-24	500	7/30-94	Kittie Swarthout 1-57
	W. H. Miller	29	2553	2			10.	"	"		100	100	100																															
	Mary E. Carroll			3			10.	Level	Sand Alk.		100	100	150																															
	"			4			10.	Level	" "		100	100	150																															
	Frank Johnson			5			10.	Level	Alk. Wk.		100	100	100																															
	Wm B. Sypherd	51	2577	6			10.	Level	Alk. Wk.		100	100	120																												6-23-93	Mrs C C Harris et Chas Swarthout 3/4	400	1-25-95	W J Munger 1-143
X	Perris Land Co	113	2630	7			10.	"	" Not.		100	120	120																												6-11-94	L E Leeman 1-24	500	7/30-94	Kittie Swarthout 1-57
X	"	522		8			12.19	"	" "		120	120	120																															
X	Perris Land Co		109	1	7		12.20	"	" "		123	123	123																												8-9-93	August Etchmann 52			
X	"		109	2			10.	"	" "		100	100	100	Bldg				10																							do do			
	L. H. Shaw			3			10.	Level	Alk.		100	100	100																															
	"			4			10.	"	"		100	100	100	H+S+Mm		50	150	150						60	—																	
	Aaron A Oaman			5			10.	Level	" N.W.		100	100	100																															
	"			6			10.	Level	" "		100	100	100																															
	E. H. Kaipf			7			10.	Level	Alk. Wk.		100	100	100																															
X	Perris Land Co.		109	8			12.22	"	" Not.		122	122	122																												8-9-93	August Etchmann 52			
	Mrs Olive Easton			1	8		10.	Level	Sand		150	150	150																															
	"			2			10.	Level			150	150	150																															
X	E. A. Day			3			10.	Level	Sand Wk.	150	150	150	150																												10-27-94	Sarah Jones 3/4	600	12/29-94	Frank A Tilley 1-109
	Carrie Shields			4			10.	Level	Sand Wk.		150	150	150																															
	Orion S. Stiles			5			10.	Level	" "		150	150	150																															
	Isaac E. Palmer			6			10.	Level	Sand Wk.		150	150	150																															
	A. E. Fredericks			7			10.	Level	Basic		150	150	150																															
	"			8			10.	"	"		150	150	150																															
	C. H. Maize	Maize		1	9		10.	Level	"		150	150	150																															
X	Adolph A Weiss			2			10.	Level	Sand		150	150	150	H				25																									
X	"			3			10.	"	"		150	150	150																															
	Homer Elwell		465	4			9.99	"	"		150	150	150																												7-9-94	Indiana Elwell 44	500		

MORSE'S SYSTEM OF PROPERTY INDEX TO MAPS FOR ASSESSORS OR ABSTRACTORS
PATENT APPLIED FOR
BRADFORD MORSE, RIVERSIDE, CALIFORNIA

RIVERSIDE COUNTY.

No.	OWNER	TRANSFERRED TO DATE	TRANSFERRED TO NAME	TRANSFERRED TO AMT.	TRANSFERRED TO DATE	TRANSFERRED TO NAME	TRANSFERRED TO AMT.	DESCRIPTION	School District	Sec. or Lot	Twp. or Block	RANGE	ACRES	SURFACE	QUALITY	WATER RT.	LAND VALUE 1896	LAND VALUE 1897	LAND VALUE 1898	LAND VALUE 1899	BUILDINGS KIND	BUILDINGS VALUE 1896	BUILDINGS VALUE 1897	BUILDINGS VALUE 1898	BUILDINGS VALUE 1899	TREES Citrus	TREES Decid	TREES VALUE 1896	TREES VALUE 1897	TREES VALUE 1898	TREES VALUE 1899	VINES VALUE 1896	VINES VALUE 1897	VINES VALUE 1898	VINES VALUE 1899	OTHER IMPROVEMENTS KIND	OTHER IMPROVEMENTS VALUE 1896	OTHER IMPROVEMENTS VALUE 1897	OTHER IMPROVEMENTS VALUE 1898	OTHER IMPROVEMENTS VALUE 1899
✓1	Jno Volk		Perris Land Co 2-185			Minnie Hird 2-186 4105		~~Eda M. Cole~~ Eda M. Johnson	Schneider	1	1		12 14	Level	Fruit	W.R.	120	120	110	100																		
✓2	"		"			" 4105		" " " " " "		2			10	"	"	"	100	100	90	80																		
✓3	Robert Clapperton		Anna B. Clapperton	3413						3			10	"	"	"	100	100	90	80																		
✓4	Geo. Abremeth									4			10	"	"	"	100	100	90	80																		
✓5	Elizabeth W. Newby	4/8-97	Perris Land Co 2-186			Minnie Hird 2-186 4105	85.50	~~Eda M. Cole~~ " 109		5			10	"	"	"	100	100	90	80																		
✓6	"		"			" 4105	85.50	" " " " " "		6			10	"	"	"	100	100	90	80																		
✓7	J. L. Cobb	4/30-97	Mary A Walker 2-185 2-199				85.50			7			10	"	"		100	100	90	80																		
✓8	"		F. E. Jewett							8			12 16	"	"		120	120	110	100																		
✓9	R. R. Daniels	9/5-96	Perris Land Co 2/151				170.00			1/2	2		9 99	"	"	W.R.	150	150	135	120																		
✓10	Sarah E. Button / Mrs. M. L. Mumaugh		~~Perris Land Co~~ 2/151							3			9 98	"	"	"	150	150	135	120																		
✓11	Mrs Kate L. Scott	7/6-97	Fredonia Zimmerman			4228	32.62			4			9 97	"	"	"	150	100	90	80																		
✓12	G. G. Clayton		"			4228	32.62			5			9 95	"	"	"	150	100	90	80																		
✓13	R. M. Wilson							E½		5			10	"	"	"	150	150	135	140																		
✓14	R. R. Daniels	9/5-96	W. Henderson 2/151 Perris Land Co				85.50	W½		6			5	"	"	"	75	50	45	40																		
✓15	G. W. Scott		"				85.50			7			10	"	"	"	150	150	135	120																		
✓16	C. C. Collins					728	18.50			8			10	"	"	"	150	100	90	80																		
✓17	"					728	18.50			1	3		9 94	"	"	"	150	150	135	120																		
✓18	L. E. Truman	8-96	Perris Land Co 2/170				170.00			2			9 93	"	"	"	150	150	135	140																		
✓19	Emma L. Ratcliff						180.00			3			9 92	"	"		150	100	90	80																		
✓20	W. H. Miller	4/3-97	Mary F. Miller et al 2-194			W.H. Miller, Trustee 3166	310.00			4			11 63	"	"		175	115	105	95																		
✓21	L. E. Truman	8-96	Perris Land Co 2/170				85.00			5			11 84	"	"		175	120	110	100																		
✓22	Elizabeth W. Newby		" 2-186				85.00			6			10	"	"		150	100	90	80																		
✓23	David Chambers						1858.			7			10	"	"		150	150	135	120																		
✓24	J. E. Davis	5-97	Minnie Hird 2-186							8			10	"	"		150	150	135	120																		
✓25	John J. Simms					Eda M. Cole 105				1	4		10	"	"	W.R.	150	100	90	80																		
✓26	John H. Daugherty									2			10	"	"	"	150	100	90	80																		
✓27	W. H. Miller	4/3-97	Mary F. Miller et al 2-194			W.H. Miller, Trustee 3166	310.00			3			10	"	"	"	150	150	135	120																		
✓28	"		"			"	310.00	Simon G. Armstrong 3716		4			11 84	"	"	"	175	120	110	100																		
✓29	"		"			"	310.00	W.D. Johnston 3717		5			11 84	"	"		175	120	110	100																		
✓30	E. J. Chase									6			10 02	"	"		150	100	90	80																		
✓31	L. C. Waite									7			9 64	"	"		150	150	135	120																		
✓32	Waonia J. Myers									8			10	"	Grain		120	120	110	100																		
✓33	Mary J. Weir									1	5		10	"	Fruit	W.R.	150	100	90	80																		
✓34	Freiberg Archie									2			10	"	"		150	100	90	80																		
✓35	Frank J. Istley						766.90	E½		3			5	"	"	W.R.	50	50	45	40																		
								W½		3			5	"	"		75	50	45	40																		
✓36	W. B. Brook	1-1-98	Jas. M. Matlock 2189			San Berdo	4122			4			10	"	Fruit		150	100	90	80	Bldg	100	75	75	75													
✓37	P. J. Field									5			10	"	"	W.R.	150	150	135	120																		
✓38	Carrie M. Everett									6			10	"	"		150	150	135	120																		
✓39	Alfred E. Fisher		Mina R. Fisher 4-45							7			10	"	"		150	150	135	120																		
✓40	"									8			10	"			150	150	135	120																		
041	Nettie Swarthout	9/7 95	M. L. Maps 2-40	X	1690	Walter R. Wheat 2-87	1316	X		1	6		12 17	"	"		120	120	=	X																		
✓42	W. H. Miller	11-16-96	Walter R. Wheat 2-53		4/11-97	Mary Hansen 2-178	163.00	Walter R. Wheat 1071		2			10	"	"		100	100	90	80																		
✓43	Mary E. Carroll	9/7								3			10	"	"	W.R.	150	150	135	120																		
✓44	"	"								4			10	"	"	"	150	150	135	120																		
✓45	Frank J. Istley									5			10	"	"	"	100	100	90	80																		
✓46	Wm B. Gifford		Perris Land Co 1788				64.00			6			10	"	"	"	120	100	90	80																		
✓47	W. J. Munger					1206	780.00			7			10	"	"		120	100	90	80																		
✓48	Nettie Swarthout	9/7 95	M. L. Maps 2-40	X		Walter R. Wheat 2-87	1316	X		8			12 19	"	"		120	120	=	X																		
✓49	August Etchman						40.00			1	7		12 20	"	"		125	125	115	105																		
✓50	"						70.00			2			10	"	"		100	100	90	80	Bldg	75	75	75	75													
✓51	L. K. Shaw									3			10	"	"		100	100	70	65																		
✓52	"									4			10	"	"		100	100	70	65	764	150	150	150	150													
✓53	Aaron J. Cyman									5			10	"	"	W.R.	100	100	90	80																		
✓54	"									6			10	"	"	"	100	100	90	80																		
✓55	E. E. Kipp		Chas. E. Crandall 224							7			10	"	"	"	100	100	90	80																		
✓56	August Etchman						102.00			8			12 22	"	"		125	125	115	105																		
✓57	Mrs Oliver Easton		Ida M. Bundy / Edith Easton / Celesta Easton 1672 / Harry F. Easton 2-54					N½ S½ E½ W½		1	8		10	"	"	W.R.	150	150	135	120																		
✓58	"									2			10	"	"	"	150	150	135	120																		
✓59	Frank J. Istley	5-22-96	Mary E. Cannel							3			10	"	"	"	150	150	135	120																		
✓60	Emma Shields									4			10	"	"	"	150	100	90	80																		
✓61	Orion F. Stiles		Kate M. Henderson 224							5			10	"	"	"	150	100	90	80																		
✓62	Isaac E. Palmer						39.56			6			10	"	"	"	150	100	90	80																		
✓63	A. C. Fredrick									7			10	"	"		150	100	90	80																		
✓64	"									8			10	"	"		150	100	90	80																		
✓65	C. F. Maize									1	9		10	"	"		150	100	90	80																		
✓66	Adolph J. Hiss		W. H. Morehouse 1861							2			10	"	"		150	100	90	80	House	25	5	5	5													
✓67	"									3			10	"	"		150	100	90	80																		
✓68	Indiana Elwell	3-95	1/6-97 Jas F. Clunt				42.1			4			9 99	"	"		150	100	90	80																		
✓69	W. D. Wilson 2-178		Walter R. Wheat 1071							1	6		12 17						110	100																		
✓70	"		" " " "							8	6		12 19						110	100																		
71																																						
72																																						
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RIVERSIDE COUNTY.

	ASSESSED TO	ASSESSED TO	ASSESSED TO	ASSESSED TO	DESCRIPTION RIVERSIDE TRACT	SCHOOL DISTRICT	MTG. ABST. NO.	SEC. or LOT	TWP. or BLOCK	RANGE	ACRES	SURFACE QUALITY: Level Broken Rolling Hilly Mountains	Fruit Grain Pasture Timber Rocks	Water Rt.: Wet Dry Moist Irrigated Water Rt.	LAND VALUE 1899	1900	1901	1902	1903	1904	1905	1906	1907	BUILDINGS 1899	1900	1901	1902	1903	1904	1905	1906	1907	TREES AND OTHER IMPROVEMENTS 1899	1900	1901	1902	1903	1904	1905	1906	1907
1	Eda M + John Cole	Mary E Rieger 4339	M.H. Sinclair 4340	J M Stewart 4531	Except N¼ 110 ft. See Below	Schneider		1	1		10	12	✓			100	100	100	60	—																						
2	Mary E Rieger 4339	C E + T.J Newcomb 4550	M H Sinclair	A H. Burley 4763	L. Blodgett 53 W.P.M. Smith 19			x			10		"			80	80	80	60	50	50	50	50	60																		
3	Rana B Clapperton							3			10		"			80	80	80	60	50	50	50	50	60																		
4	Geo. Obersmith	Iva M Oberschmidt 5197						4			10		"			80	80	80	60	50	50	50	50	60																		
5	Eda M + John Cole	Mary E. Rieger 4339	M L. Mapes 4638					5			10		"			80	80	80	60	50	50	50	50	60																		
6	"	"	"					6			10		"			80	80	80	60	50	50	50	50	60																		
7	Mary A. Walker							7			10		"			80	80	80	60	50	50	50	50	60																		
8	F. E Swett	Martha G. Swett 4513	Helen M Mellen 4468					8			17	16	"			100	100	100	75	65	65	65	65	75																		
9	Perris Land Co.	Orange Growers Nat Bank 4748	GEO. H. SAWYER 33					1	2		9	99	"			120	120	120	60	50	50	50	50	60																		
10	"	"	"					2			9	98	"			120	120	120	60	50	50	50	50	60																		
11	Fredonia Zimmerman	Perris Land Co 4764	Orange Growers Nat Bank 4748	GEO. H. SAWYER				3			9	97	"			80	80	80	60	50	50	50	50	60																		
12	"	"	"	"				4			9	96	"			80	80	80	60	50	50	50	50	60																		
13	D. G. Clayton							5			10		"			120	120	80	60	50	50	50	50	60																		
14	J. Spooner STATE.				E ½			6			5		"			40	40																									
15	W. Henderson				W ½			6			5		"			40	40	40	30	25	25	25	25	30																		
16	Perris Land Co.	Orange Growers Bank 4748	GEO. H. SAWYER 33					7			10		"			120	120	120	60	60	60	60	60	60																		
17	"	"	"					8			10		"			80	120	120	60	60	60	60	60	60																		
18	C C. Collins	Perris Land Co 4764	Orange Growers Nat Bank 4748	GEO. H. SAWYER				1	3		9	94	"			120	120	120	60	60	60	60	60	60																		
19	"	"	"	"				2			9	93	"			120	120	120	60	60	60	60	60	60																		
20	Perris Land Co.	"	"	"				3			9	92	"			80	80	80	60	60	60	60	60	60																		
21	Emma L Ratcliff							4			11	63	"			95	95	100	70	60	60	60	60	70																		
22	W.H Miller Trustee	Simon G. Armstrong 5918	L.E. Brant 4490					5			11	84	"			100	100	100	70	60	60	60	60	70																		
23	Perris Land Co.	Orange Growers Nat Bank 4748	GEO. H. SAWYER 33					6			10		"			80	80	80	60	60	60	60	60	60																		
24	"	"	"					7			10		"			120	120	120	60	60	60	60	60	60																		
25	David Chambers	Perris Land Co 4764	Orange Growers Nat Bank 4748	GEO. H. SAWYER 33				8			10		"			120	120	120	60	60	60	60	60	60																		
26	Eda M. Cole	Mary E. Rieger 4339	Frances McGraw 4483	Geo H. Sawyer 4483				1	4		10		"			80	80	80	60	50	50	50	50	60																		
27	John R. Simms	Geo H. Sawyer 4483						2			10		"			80	80	80	60	50	50	50	50	60																		
28	John H. Daugherty							3			10		"			120	120	120	60	50	50	50	50	60																		
29	Simon G Armstrong		L.E. Brant 4490					4			11	84	"			100	100	100	70	60	60	60	60	70																		
30	W.D. Johnston 1899							5			11	84	"			100	100	100	70	60	60	60	60	70																		
31	W.H. Miller Trustee							6			10	02	"			80	80	80	60	50	50	50	50	60																		
32	E.A. Chase STATE	Geo H. Sawyer 4483						7			9	64	"			120	120						50	60																		
33	L. C. Waite	Geo H. Sawyer 4483						8			10		"			100	100	80	60	50	50	50	50	60																		
34	Naonia J Myers	Orange Growers Nat Bank 4748	GEO. H. SAWYER					1	5		10		"			80	80	80	60	60	60	60	60	60																		
35	Mary A. Weir							2			10		"			80	80	80	60	50	50	50	50	60																		
36	Freelove Archie				E ½			3			5		"			40	40	40	30	25	25	25	25	30																		
37	Frank A Tetley	A. Moore 5228	Fannie B Noyes 6080	Geo H Sawyer 4483	W ½			3			5		"			40	40	40	30	25	25	25	25	30																		
38	Jas. M. Matlock	Wm B. Russell 5267	John P Stiffen 4483	Chas. M Stimson 134	Geo S. Batty 135			4			10		"			80	80	80	60	30	30	30	30	60	75	75	75	75	Gone.												
39	F. T. Field							5			10		"			120	120	120	60	50	50	50	50	60																		
40	Carrie M. Everett	O. M Everett 4967						6			10		"			120	120	120	60	50	50	50	50	60																		
41	Mina A. Fisher							7			10		"			120	120	120	60	50	50	50	50	60																		
42	"							8			10		"			120	120	120	60	50	50	50	50	60																		
43	Walter R. Wheat							1	6		17	17	"			100	100	100	75	65	65	65	65	75																		
44	"							2			10		"			80	80	80	60	50	50	50	50	60																		
45	Mary E. Carroll							3			10		"			120	120	120	60	50	50	50	50	60																		
46	"							4			10		"			120	120	120	60	50	50	50	50	60																		
47	Frank Johnson STATE.							5			10		"			180	180	180	60	50	50	50	50	✓																		
48	Perris Land Co.	Orange Growers Nat Bank 4748	GEO. H. SAWYER					6			10		"			180	180	180	60	60	60	60	60	60																		
49	W. T. Munger	"						7			10		"			180	180	80	60	60	60	60	60	60																		
50	Walter R. Wheat							8			17	19	"			100	100	100	75	65	65	65	65	75																		
51	E. F. Kilex Sr. 4779				N ½ 110 ft		✓	1	1		2	02	✓						15	15	15	15	15	15																		
52	J.W. Boggess 5418	~~Wm. Cowden~~ 5611			Except N ½ 110 ft.		✓	1	1		10	17	✓							50	50	50	50	60																		
53																																										
54																																									
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RIVERSIDE COUNTY

	ASSESSED TO	ASSESSED TO	ASSESSED TO	ASSESSED TO	ASSESSED TO	ASSESSED TO	ASSESSED TO	DESCRIPTION	SCHOOL DISTRICT	MTG. ABST NO.	Sec. or Lot	Twp. or Block	Range	Acres	Surface	Quality	Water Rt.	LAND VALUE 1907	1908	1909	1910	1911	1912	1913	BUILDINGS 1907	1908	1909	1910	1911	1912	1913	TREES, VINES, ETC. 1907	1908	1909	1910	1911	1912	1913
								RIVERSIDE TRACT																														
1	Boggess. J.W.	Porock J.M. 707			Stacy W.H. 1490			Except N'ly 110 ft.	Schneider		1	1		10 12	M			60	80	80	110	150	200	DO.														
2	Kiler. E.F. Sr.							N'ly 110 ft.			"	^		2 02	"			15	15	15	20	30	40	DO.														
3	Smith. W.D.M.	Carter Eliza 1147		Kendrick Katherine 1203	Stacy W.H. 1475					Quit	2			10	"			60	80	80	110	150	200	DO.														
4	Clapperton. Anna B.			Gardner Helen M. etal 1023		Tuttle Emma P. 1420					3			10	"			60	80	80	110	150	200	DO.														
5	Oberschmidt. Iva M.										4			10	"			60	80	80	110	150	200	DO.														
6	Mapes M.L.	Hawkinson H.W. 807			Althouse J.A. 1266	Kawasaki Utajiro etal 1497					5			10	"			60	80	80	110	150	200	DO.														
7	"	"			"	"					6			10	"			60	80	80	110	150	200	DO.														
8	Walker. Mary A.										7			10	"			60	80	80	110	150	200	DO.														
9	Mellen. Helen M.	Nelson C.O. 745									8			12 16	"			75	100	100	140	200	240	DO.														
10																																						
11																																						
12	GEO. H. SAWYER	Schratt F.J. 669									1	2		9 99	"			60	80	80	110	150	200	DO.														
13	"	"									2			9 98	"			60	80	80	110	150	200	DO.														
14	"	"									3			9 97	"			60	80	80	110	150	200	DO.														
15	"				Mortenson Wm. 1249						4			9 95	"			60	80	80	110	150	200	DO.														
16	Clayton. D.C.			Jordan D.B. 995 1035	Montgomery O.V. 1486						5			10	"			60	80	80	110	150	200	DO.														
17	Spooner. J. STATE	Johnston D. 691						2 or 1914			6			5	"																						
18	Henderson. W.							E W			7			5	"			30	40	40	55	75	100	DO.														
19	GEO. H. SAWYER	Schratt F.J. 669									9			10	"			60	80	80	110	150	200	DO.														
20	"	"									8			10	"			60	80	80	110	150	200	DO.														
21																																						
22																																						
23																																						
24	GEO. H. SAWYER				Mortenson Wm. 1249						1	3		9 94	"			60	80	80	110	150	200	DO.														
25	"	Talbert W.G. 722									2			9 93	"			60	80	80	110	150	200	DO.														
26	"	"									3			9 92	"			60	80	80	110	150	200	DO.														
27	Ratcliff. Emma L.	Howell David 716	Talbert W.G. 722								4			11 63	"			70	90	95	120	180	230	DO.														
28	Brant. L.E.	Bush. B.B. 248	Talbert W.G. 713 722					B.B. Bank			5			11 84	"			70	90	95	120	180	230	DO.														
29	GEO. H. SAWYER										6			10	"			60	80	80	110	150	200	DO.														
30	"		"								7			10	"			60	80	80	110	150	200	DO.														
31	"				Mortenson Wm. 1249						8			10	"			60	80	80	110	150	200	DO.														
32																																						
33																																						
34	GEO. H. SAWYER				Mortenson Wm. 1249						1	4		10	"			60	80	80	110	150	200	DO.														
35	"	Talbert W.G. 722									2			10	"			60	80	80	110	150	200	DO														
36	Daugherty. John H.										3			10	"			60	80	80	110	150	200	DO.														
37	Brant L.E.	Bush. B.B. 248	Talbert W.G. 713								4			11 84	"			70	95	95	120	180	230	DO.														
38	Johnston. W. Dean			Totten U.S. 984 1190							5			11 84	"			70	90	95	120	180	235	DO.								75	75	75	DO.	DO.		
39	Miller. W.H. Trustee			Foreman G.W.		Foreman Mrs. A.P. 1566					6			10 02	"			60	80	80	110	150	200	DO.														
40	GEO. H. SAWYER				Mortenson Wm 1205						7			9 64	"			60	80	80	110	150	200	DO.														
41	"				Mortenson Wm. 1249						8			10	"			60	80	80	110	150	200	DO.														
42																																						
43																																						
44																																						
45	GEO. H. SAWYER			Jordan D.B. 995 1035	Russell Dannie G. 1223						1	5		10	"			60	80	80	110	150	200	DO.											100	DO.				
46	Weir. Mary A.										2			10	"			60	80	80	110	150	200	DO.														
47	Archie. Freelove	Marlar Myrtle 704						E			3			5	"			30	40	40	55	75	100	DO.														
48	GEO. H. SAWYER	"			Mortenson Wm 1249			W			"			5	"			30	40	40	55	75	100	DO.														
49	Darby. Geo. S.										4			10	"			60	80	80	110	150	200	DO.														
50	Field. F.T.	Mayfield H.P. 923			Webber G.M. 1202						5			10	"			60	80	80	110	150	200	DO.														
51	Everett. O.M.										6			10	"			60	80	80	110	150	150	DO.														
52	Fisher. Mina A.			Chaffin Thos. 997	McFadden Pearl 1410						7			10	"			60	80	80	110	150	200	DO.														
53	"	"		"	"						8			10	"			60	80	80	110	150	200	DO.														
54																																						
55																																						
56																																						
57																																						
58	Wheat. Walter P.			Smith John W 957							1	6		12 17	"			75	100	100	140	200	220	DO.														
59	"			"							2			10	"			60	80	80	110	150	200	DO.														
60	Carroll. Mary E.				Althouse J.A. 1273	Kawasaki Utajiro etal 1577					3			10	"			60	60	80	110	150	200	DO.														
61	"				"	"					4			10	"			60	60	80	110	150	200	DO.														
62	Johnson. Frank STATE	Hankinson H.W. 805			Althouse J.A. 1266	"				3777	5			10	"					80	110	150	200	DO.														
63	GEO. H. SAWYER	"			"	"					6			10	"			60	80	80	110	150	200	DO.														
64	~~Wheat. Walter P.~~	"			"	"				3777	7			10	"			60	80	80	110	150	200	DO.														
65	Wheat. Walter P.			Smith John W. 957							8			12 19	"			75	100	100	140	200	220	DO.														
66																																						
67																																						
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	1913 ASSESSED TO	1914 ASSESSED TO	1915 ASSESSED TO	1916 ASSESSED TO	1917 ASSESSED TO	1918 ASSESSED TO	1919 ASSESSED TO	DESCRIPTION RIVERSIDE TRACT	SCHOOL DISTRICT Schneider	Sec. or Lot	Twp. or Block	Range	Acres	Surface	Quality	Water Rt.	LAND VALUE 1913	1914	1915	1916	1917	1918	1919	BUILDINGS 1913	1914	1915	1916	1917	1918	1919	TREES, VINES, ETC. 1913	1914	1915	1916	1917	1918	1919
1	Stacy W.H. 1649							Excepr N¼ 110'	Norco 215	1	1		10.17½				700	DO.	700	200	200	200	700														
2	Kiler E.T. Sr.							N¼ 110'		11			7.07				40	DO.	40	40	40	40	40														
3	Stacy W.H. 1649									12			10				700	DO.	700	200	200	200	200														
4	Tuttle Emma R. 1670				Segraie Louise de 2016					3			10				"	DO.	700	200	200	200	200														
5	Oberschmidt Lyell M. 1971									4			10				"	DO.	700	250	250	250	250														
6	Kawasaki Utajiro et al									5			10				"	DO.	700	250	250	250	250														
7	"									6			10				"	DO.	700	200	200	200	200														
8	Walker Mary A.	Wanda Nita 1955	Fugate Gertie A 2244	Myres Ella C 2377						7			10				"	DO.	700	200	200	200	200														
9	Nelson C.O.		Smith John W. 2233			Cannon C.H. 3131	Noble Cebe E 3327 3600			8			17.16				760	DO.	700	240	240	240	240														
10																																				
11																																				
12	Schrott F.J. 869		Ayers Birdie 2103							1	7		9.99				700	DO.	700	250	250	250	700														
13	"		"							2			9.98				"	DO.	700	250	250	250	700														
14	"		"							3			9.97				"	DO.	700	250	250	250	700														
15	Mortenson Wm 1149		Gray W.S. 2168							4			9.95				"	DO.	700	250	250	250	250														
16	Montgomery O.V. 1941				Baker Louisa J. 2708					5			10				"	DO.	700	250	250	250	250														
17	Johnston D. 641			Johnston Raymond 2550						6			5				100	100	120	120	120	120															
18	Henderson W.			Downing Selina J 2530						11			5				100	DO.	100	120	120	120	120														
19	Schrott F.J. 869		Ayers Birdie 2103							7			10				700	DO.	700	250	250	250	700														
20	"		"							8			10				"	DO.	700	250	250	250	1000					200	370	370							
21																																				
22																																				
23																																				
24	Mortenson Wm 1149		Gray W.S. 2168						Schneid.	1	3		9.94				700	DO.	700	250	250	250	250														
25	Talbert W.G. 737									2			9.93				"	DC.	700	250	250	250	250														
26	"									3			9.92				"	DC.	700	240	240	240	240														
27	"									4			11.63				730	DC.	730	280	280	280	280														
28	"									5			11.84				"	DC.	730	290	290	290	290														
29	"									6			10				700	DC.	700	250	250	250	250														
30	"									7			10				"	DC.	700	250	250	250	250					100	150	150	150						
31	Mortenson Wm 1149		Gray W.S. 2168							8			10				"	DC.	700	250	250	250	250														
32																																				
33																																				
34	Mortenson Wm		Gray W.S. 2168							1	4		10				700	DO.	700	250	250	250	250														
35	Talbert W.G.					Shutt Lorne P. 3196				2			10				"	DO.	700	250	250	250	250														
36	Daugherty John H		Shutt Lorne P. 2301							3			10				"	DO.	700	250	250	250	250						40	40	40						
37	Talbert W.G. 737									4			11.84				730	DO.	730	290	290	290	290			100	50	50	50	50	50						
38	Totten U.S. 1966									5			11.84				735	DO.	735	300	300	300	300	30	30	75	75	150	150	150	150						
39	Foreman Mrs A.P.		Citizens Nat'l Bk of 2394 2168		Maxfield H. P. 2766					6			10.07½				700	DO.	700	250	250	250	250														
40	Mortenson Wm 1149		Gray W.S. 2168							7			9.64				"	DC.	700	250	250	250	250														
41	"		Gray W.S. 2168							8			10				"	DC.	700	250	250	250	250														
42																																				
43																																				
44																																				
45	Russell Dannie G 1363								Valley Cent.	1	5		10				700	DO.	700	250	250	250	250	100	30	100	100	100	40	40							
46	Weir Mary A.	Weir Florence E. 2091				Ayers O.M. 2394 3600				2			10				"	DO.	700	250	250	250	250														
47	Marlar Myrtle 914		Hoffmaster M.E. 2394 2168						E	3			5				100	DO.	100																		
48	Mortenson Wm 1149		" 2168 3600						W	4			5				"	DO.	100	250	250	250	250														
49	Batty Geo. S. 1201					Batty Kenneth 3481				4			10				700	DO.	700	250	250	250	250														
50	Webber G.M. 1201			Webber Wm A. 2220 3600						5			10				"	DO.	700	250	250	250	250			100	100	300	700	200							
51	Everett O.M.		Everett Sarah E. 2335 2341			Married Smith Frances Everett				6			10				150	DO.	700	250	250	250	250														
52	McFadden Pearl 1416									7			10				700	DO.	700	250	250	250	250														
53	"									8			10				"	DO.	700	250	250	250	250														
54																																				
55																																				
56																																				
57																																				
58	Smith John W 901					Cannon C.H. 3131	Noble Cebe E 3327 3600			1	6		17.17				770	DO.	770	220	240	240	240														
59	"					"	"			2			10				700	DO.	700	200	200	200	200														
60	Kawasaki Utajiro et al 1977									3			10				"	DO.	700	200	200	200	200														
61	"									4			10				"	DO.	700	250	250	250	250														
62	"									5			10				"	DO.	700	250	250	250	250														
63	"									6			10				"	DO.	700	200	200	200	200														
64	"									7			10				"	DO.	700	200	200	200	200														
65	Smith John W. 901					Cannon C.H. 3131	Noble Cebe E 3600			8			17.19				770	DO.	770	220	240	240	240														
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	1920 ASSESSED TO	1921 ASSESSED TO	1922 ASSESSED TO	1923 ASSESSED TO	1924 ASSESSED TO	1925 ASSESSED TO	1926 ASSESSED TO	DESCRIPTION RIVERSIDE TRACT	SCHOOL DISTRICT	Sec or Lot	Twp. or Block	Range	Acres	LAND VALUE 1920	1921	1922	1923	1924	1925	1926	BUILDINGS 1920	1921	1922	1923	1924	1925	1926	TREES, VINES, ETC. 1920	1921	1922	1923	1924	1925	1926
1	Stacy W H 1490							Except N'ly 110'		1	1		10 12	200	200	200	200	200	200	200													
2	Miller Annie E 3776 1475							N'ly 110'		"			2 02	40	40	40	40	40	40	40													
3	Stacy W H									2			10	200	200	200	200	200	200	200													
4	Segrais Lenisede 3018		Green Flossie Leota 4579							3			10	200	200	200	200	200	200	200													
5	Oberschmidt Ivy M									4			10	250	250	250	250	250	250	250													
6	Kellogg F W 3931	Kellogg F W & W S 3974								5			10	250	500	500	600	600	600	750													
7	" 2597	"								6			10	250	500	500	600	600	600	750													
8	Myres Ella C 3842 3600 3193 3477	Kellogg F W & W S 4046								7			10	200	200	200	200	200	200	200													
9	Neile L E	Randolph Mary E etal 4092			Hubert Wm 6590 6504 6266					8			17 16	240	240	240	240	240	240	240													
10																																	
11																																	
12	Myers Birdie 2143	Hedrick Frank H4173 - H4238								1	2		9 99	1000	1000	1000	1000	1000	650	800													
13	"	"								2			9 98	1000	1000	1000	1000	1000	1000	800													
14	"	"								3			9 97	600	600	500	500	500	800	800													
15	Gray W S 2168									4			9 95	250	250	250	250	250	250	250													
16	Baker Louisa J 3728 3630				Mann Mary B et al 6802 7652					5			10	250	250	250	250	250	250	250													
17	Johnston Raymond 3720 3640		Jackson F A 4756	Jackson F A	Jackson F A / Kelley T E W	3195	Hedrick Frank	8174 F 10186 10255 W		6			5	120	120	120	120	120	120	120													
18	Lovell Mrs M M						Hedrick Frank			7			5	120	120	120	120	120	120	120													
19	Myers Birdie 2143	Hedrick Frank H4173 - H4238								7			10	600	600	500	500	500	800	800													
20	"	"								8			10	600	600	500	500	500	500	700	370	370	370	370	490	490	490							
21																																	
22																																	
23																																	
24	Gray W S 2128								Val Verde	1	3		9 94	250	250	250	250	250	250	250													
25	Talbert W G 722									2			9 93	250	250	250	250	250	250	250													
26	"									3			9 92	240	240	240	240	240	240	240													
27	"									4			11 63	280	280	280	280	280	280	280													
28	"	"								5			11 84	290	290	290	290	290	290	290													
29	"	"								6			10	250	250	250	250	250	250	250													
30	"	"								7			10	250	250	250	250	250	250	250	60	60	20	20	20	20	—						
31	Gray W S 2168									8			10	250	250	250	250	250	250	250													
32																																	
33																																	
34	Gray W S 2168 3176									1	4		10	250	250	250	250	250	250	250													
35	Shuttleworne Frida 3201					Chomistek Paul 7076				2			10	250	250	250	250	250	250	250													
36	Shuttleworne F 713					"				3			10	250	250	250	250	250	250	660	40	40	40	40	50	180	180							
37	Talbert W G 722									4			11 84	290	290	290	290	290	290	290	50	50	20	20	20	20	—						
38	Totten U S 2166									5			11 84	300	300	300	300	300	300	300	150	150	150	150	200	200	200						
39	Maxfield H P 2168									6			10 02	250	250	250	250	250	250	250													
40	Gray W S									7			9 64	250	250	250	250	250	250	250													
41	"									8			10	250	250	250	250	250	250	250													
42																																	
43																																	
44																																	
45	Russell Nannie G 1363	Aguadez Y 4141										Valley Center	1 5	10	400	400	400	400	400	400	400	40	40	40	40	50	50	50						
46	Ayers C H 3223		Hofreiter - Amelia 4561 etal	Hofreiter Amelia 4829						2			10	400	400	250	250	250	250	250													
47	Hofreiter M E 2168		"	"						3			5	250	250	250	250	250	250	250													
48	"									4			5																					
49	Batty Kenneth 3431					Batty Geo S 7609				4			10	250	250	250	250	250	250	250													
50	Hebber Wm A 3707	Borden Isabell 4117	Myers Silva C 4309			Prater Gypsie 7425	Benton, [illegible] 9134			5			10	250	250	250	250	250	250	250	200	200	200	200	270	200	200							
51	Smith Frances E 1410									6			10	250	250	250	250	250	250	250													
52	McFadden Pearl						Siegle Fred 9390			7			10	250	250	250	250	250	250	250													
53	"						"			8			10	250	250	250	250	250	250	250													
54																																	
55																																	
56																																	
57																																	
58	Brockman C W 3644 3600 3193 3477	Randolph Mary E etal 4092			Hubert Wm 6590 6504 6266					1	6		12 17	240	240	240	240	240	240	240													
59	"	"			Kellogg F W & W S 6266					2			10	200	200	200	200	200	200	200													
60	Kellogg F W 1577 3851	Kellogg F W & W S 3974								3			10	250	400	400	400	700	800	800													
61	"	"								4			10	250	500	500	700	700	800	800													
62	"	"								5			10	250	350	350	620	620	620	620	800	1600	1600	1600	2100	2100	2100						
63	"	"								6			10	250	250	250	250	250	250	250													
64	3644 3660									7			10	250	200	200	200	200	200	200													
65	Brockman C W 2713 3877	Randolph Mary E etal 4092			Hubert Wm 6590 6504 6266					8			12 19	240	240	240	240	240	240	240													
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RIVERSIDE COUNTY

1932 REAL ESTATE VALUES 10% HIGH

	1927-1926 ASSESSED TO	1928-1927 ASSESSED TO	1929-1928 ASSESSED TO	1930-1929 ASSESSED TO	1931-1930 ASSESSED TO	1932-1931 ASSESSED TO	1933-1932 ASSESSED TO	DESCRIPTION RIVERSIDE TRACT	SCHOOL DISTRICT Valley Center	Sec. or Lot	Twp. or Block	Range	Acres	LAND VALUE 1927	1928	1929	1930	1931	1932	1933	BUILDINGS 1927	1928	1929	1930	1931	1932	1933	TREES, VINES, ETC. 1927	1928	1929	1930	1931	1932	1933
1	Stacy W H 1490					20553		Exc. N¼ y. 11.0'		1	1		10 17	200	200	200	200	200	200													
2	Kiler Annie E 3786	Kiley C L 11177						N¼ y. 11.0'		"			10 03	150	150	150	150	150	150													
3	Stacy W H 1490					20553				2			10	200	200	200	200	200	200													
4	Green Flossie Keota 4579									3			10	200	200	200	220	220	220													
5	Oberschmidt Nym 3794									4			10	250	250	250	250	250	250													
6	Kellogg F W & W S									5			10	750	750	750	750	750	750													
7	" 5046									6			10	250	250	250	750	750	750													
8	" 5046									7			10	200	200	200	200	200	200													
9	Hubert Wm 6590									8			10 16	240	240	240	240	240	240													
10																																	
11																																	
12																																	
13	Hedrick Frank 4238				Murray Carrie E 18554		Nelson A F (Laura J.) 20885			1	7		9 99	800	800	800	800	800	800													50
14	"				" "		do			2			9 98	800	800	800	800	800	800													
15	"				" "		do			3			9 97	800	800	800	800	800	800													
16	Gray W S 2162									4			9 95	250	250	250	250	250	250													
17	Mann Mary E etal 10166									5			10	250	250	250	250	250	250													
18	Hedrick Frank 4238				Murray Carrie E 18554		Nelson A F (Laura J.) 20885	F		6			5			530	800	700	700	700												50
19	" 10166				" "		do	442		"			5																			
20	" 4238				" "		do			7			10	750	750	800	800	800	800	800												
21	"				" "		do			8			10	750	750	700	650	650	650	650				430	450	450	430	410					
22																																	
23																																	
24																																	
25	Gray W S 2168								Del Verde	1	3		9 94	250	250	250	250	250	250	250													
26	Talbert W G 722		Rw Jr Investment Co 16038		Smith Raymond 19251-17132		Talbert W G (Doretta A.) 20526			2			9 93	250	250	250	250	250	250	250													
27	"									3			9 93	240	240	240	250	250	250	250													
28	"									4			11 63	280	280	280	300	300	300	240													
29	"									5			11 84	280	280	280	300	250	250	300													
30	"									6			10			250	250	250	250	250													
31	"									7			10			250	250	250	250	250							20						
32	Gray W S 2169									8			10	250	250	250	250	250	250	250													
33																																	
34																																	
35																																	
36	Gray W S 2166									1	4		10	250	250	250	250	250	250	250													
37	Chomiak F Pau 7076	Sundling Alexander v 10879 10893			Darnill J V 17632		Fruhling P Leroy 20926-20886			2			10	250	250	250	250	250	250	250													
38	"	"			"		do			3			10	150	150	600	700	700	700	700	150	150	200	200	200	200	210						
39	" 773				" 17632		do			4			11 84	250	250	250	300	300	300	300							30						
40	Tohey U S 962	Moon Cecil B 11924	Rw Jr Investment Co 16038		Alexander A W 17441-17251-17132					5			11 84	250	250	300	300	300	300	300	250	250	150	100	100	50	40						
41	Maxfield H P 2766									6			10 02	250	250	250	250	250	250	250													
42	Gray W S 2168									7			9 64	250	250	250	250	250	250	250													
43	"									8			10	250	250	250	250	250	250	250													
44																																	
45																																	
46																																	
47	Agundez Y 11141								Valley Center	1	5		10	300	300	300	300	300	300	250			40	40	40	40	30						
48	Ayers A M 3533									2			10	250	250	250	250	250	250	250													
49	Hafreiter Amelia 4830									3			10	250	250	250	250	250	250	250													
50	Batty Theo S 7629		Batty John W 12791				Dr. W. M. (Minnie A (Carrie) 20157			4			10	250	250	250	250	250	250	250													
51	Benton Wm J 99-	Robinson F R 10937 11666	Robinson E R & H M							5			10	250	250	250	250	250	250	250				200	160	150	150	140					
52	Smith Frances E									6			10	250	250	250	250	250	250	250													
53	Siegle Fred 7393						Gregory Alpheus A (Mary E.) 22391			7			10	250	250	250	250	250	250	250													
54	"						do			8			10	250	250	250	250	250	250	250													
55																																	
56																																	
57																																	
58	Hubert Wm 6275									1	6		12 17	240	240	240	240	240	240	240													
59	Kellogg F V & W S 6266 3794									2			10	200	200	200	200	200	200	200													
60	"									3			10	800	800	800	800	800	800	750													
61	"									4			10	800	800	800	800	800	800	750													
62	"									5			10	600	600	600	600	600	600	600													
63	"									6			10	250	250	250	250	250	250	250													
64	"									7			10	200	200	200	200	200	200	200													
65	Hubert W M 6290									8			12 19	240	240	240	240	240	240	240													
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RIVERSIDE COUNTY Real Property Ownership Record

	1938 ASSESSED TO	1939 ASSESSED TO	1940 ASSESSED TO	1941 ASSESSED TO	1942 ASSESSED TO	1943 ASSESSED TO	1944 ASSESSED TO	DESCRIPTION	SEC. OR LOT	TWP. OR BLOCK	RANGE	ACRES	SCHOOL DISTRICT	LAND VALUE 1939	1940	1941	1942	1943	1944	BUILDINGS 1939	1940	1941	1942	1943	1944	TREES, VINES, ETC. 1939	1940	1941	1942	1943	1944
1									6	4S	3W		VAL VERDE 5																	
2	Aylmer Alice F 29102							Por of SW¼ E & S of Golden Valley Farms No 5				11 79	R 1939	300	300	240	240	240												
3																														
4																														
5																														
6																														
7																														
8																														
9								RIVERSIDE TRACT MB 14/668 SD					VALLEY CEN 5																		
10	STATE 11117 25 Kiler C L 24310							N 110'	1	1		2 02	Sold 1928	—	—															
11	Stacy W H & H B 38965	Stacy Mary G & H A 38965						S 550'		10	12		Sold 1938	200	200	160	160	160												
12	do	do							2			10	Sold 1938 R 1941	250	350	200	200	200												
13	Eagle John W 32859	Maurer Th Jean H 32767							3			10	R 1941	250	350	200	200	200												
14	Oberschmidt Wm H 39328								4			10		250	350	200	200	200												
15	Kellogg F W & W S 35714		Kellogg Frederick W 35714		Gregory Alb 42492	Clary E V			5			10		900	900	700	700	700		PP 300	PP 300	PP 300	PP 300	PP 300						
16	do		do		do				6			10		900	900	700	700	700												
17	do		do 37249		do				7			10		350	350	200	200	200												
18	Hubert Wm 42590								8			12 16		250	250	190	190	190												
19																														
20																														
21																														
22	Nelson A F (Laura J) 20885								1	2		9 99		900	900	700	700	700												
23	do								2			9 98		900	900	700	700	700												
24	do								3			9 97		900	900	700	700	700												
25	Gray W S 2168								4			9 95		250	250	200	200	200												
26	Brace J W (Margaret M) 29580								5			10		350	350	200	200	200												
27	Nelson A F (Laura J) 20885								6			10		900	900	700	700	700												
28	do								7			10		900	900	700	700	700		PP 300	PP 300	PP 300	PP 300	PP 300						
29	do								8			10		900	900	700	700	700		600	600	600	600	600						
30																														
31													VAL VERDE 5																	
32									1	3		9 94		250	250	200	200	200												
33	Gray W S 2168								2			9 93	R 1938 R 1940	250	250	200	200	200												
34	Luzzo Samuel P 27944				Price, Ward H 41489 (Margaret)		Shaffer Roswell (Nellie M) 43924		3			9 92	R 1938 R 1940	250	250	200	200	200												
35	do				do		do		4			11 63	R 1938 R 1940	250	350	230	230	230												
36	do				do		do		5			11 84	R 1938 R 1940	250	250	230	230	230												
37	do				do		do		6			5	R 1938 R 1940	150	150	100	100	100												
38	do 27944		34795-34804					W½				5	Sold 1937	150	150	100	100	100		PP 20	20	20	20	20						
39	Talbert Ernest E 2148		Mc Donald Alex J (Katherine)					E½	7			10	Sold R 1937	250	250	200	200	200		30	30	30	30	30						
40	do		do						8			10		250	250	200	200	200												
41	Gray W S																													
42																														
43																														
44	2168																													
45	Gray W S PP 439 2168								1	4		10		250	250	200	200	200												
46	Fruhling P Leroy Aud PP 408 22376								2			10	Sold 1928	250	250	200	200	200		270	270	270	270	270						
47	do 29122								3			10	Sold 1928	250	250	200	200	200		PP 50	PP 50	PP 50	PP 50	M 30						
48	Bashore J S (Opal E) 19620								4			11 84	Sold R 1938	300	300	240	240	240		—										
49	Moon Cecil B 27435								5			11 86		300	300	240	240	240												
50	Maxfield H P 2148								6			10 02		250	250	200	200	200												
51	Gray W S								7			9 64		250	240	190	190	190												
52	do								8			10		250	250	200	200	200												
53																														
54																														
55																														
56							Nelson Warren H 43332						VALLEY CEN 5																		
57	Baker W T (Irene) 33051								1	5		10	R 1938 R 1940	150	250	200	200	200		100	200	200	200	200						
58	Nelson Warren H 33280								2			10		250	350	200	200	200												
59	Hofreiter Amelia Lena 2148		Long Dorothy L 37284			Long Dorothy L & Metzler A D 37217			3			10		250	350	200	200	200												
60	Dorman Claude (Carrie) 20828	State	Nelson Warren H 34788						4			10	Sold 1939	—	350	200	200	200												
61	Meier Robt (Emilie M)		Yates James W (Margie)						5			10	R 1939	250	350	200	200	200		130	230	230	230	230						
62	Smith Frances E 22391								6			10		250	250	200	200	200												
63	Gregory Alpheus A (Mary E) 35369	United States of America							7			10		—	—	250	250	EX												
64	do	do							8			10		250	250	250	250	EX												
65																														
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RIVERSIDE COUNTY Real Property Ownership Record

16-01-00 001

	1943 ASSESSED TO	1944 ASSESSED TO	1945 ASSESSED TO	1946 ASSESSED TO	1947 ASSESSED TO	1948 ASSESSED TO	1949 ASSESSED TO
1	Aylmer Alice F 29102						
2							
3	Kruger F P 9327						
4							
5							
6							
7							
8							
9							
10	Kiler C L 11117						
11	Stacy Mary G & H B 35225						
12	do		Gregory Alphaus A (Mary E) 49370		Ashley A J et al 194-11&330-219-10 1&4		
13	Maurseth Jean H (Sep) 34347		do		do		
14	Oberschmidt Wy M 34472						
15	Gregory A A (Mary E)						
16	do				Ashley A J et al 194-11&330-219-18 1&4	P O Box 93 Idlewood	
17	do 6596				do		
18	Hubert Wm				do		
19							
20							
21							
22	Nelson A F (Laura J) 20885						
23	do						
24	do						
25	Gray W S 2168						
26	Brace J W (Margaret M) 29840		Nelson Warren Hedrick 49331				
27	Nelson A F (Laura J) 20885				Nelson Warren H. 1189-3&4 A F D 1 Peris		
28	do						
29	do						
30							
31							
32							
33	Gray W S 2168						
34	Shaffer Thomas D (Nellie M) 43778				Clark Ira W. (Pauline M) 9766-9/96 2 Lts M/W		Clark Marion (Frances) 2669-9/96
35	do				Schaffer Thomas C		
36	do				do		
37	do				do		
38	do 34795				do		
39	Mc Donald Alex J (Katherine)	Shaffer, Thos Dillennia 47169			do		
40	do 2168				do		
41	Gray W S				Clark Ira W. (Pauline M)		Clark Marion (Frances) 2669-9/96
42							
43							
44							
45	Gray W S 2168			361-3/46			
46	Fruthling P Leroy 20476		White, C W (Merah M) 49338-49339	Smith Donald R (Ruby E)		Smith Donald B (Ruby E) 997 835-601	
47	do		do	do		do	
48	Gaathor J S (Opal A) 11938			Smith Donald R (Ruby E) 2876 9/45 2877 9/45			
49	Moon Cecil B 27165		Moon, Marjorie M. 49324	do 3817 9/45			
50	Mayfield H P 2168			do 361-3/46			
51	C W S			do		des over-lap 395	Cooper S W of Rancho Nuevo Line
52	do			do 361-3/46			
53				Gray W S (Sarah S)		Comb with line 51	Lot SW of Rancho Nuevo Line
54							
55							
56							
57	49336						
58	33386						
59	37184						
60	Mueller ND 37799						
61	46784						
62	Page		Nelson, Warren Hedrick 49326				
63							
64	America						
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	DESCRIPTION	SEC. OR LOT	TWP. OR BLOCK	RANGE	ACRES	SCHOOL DISTRICT	LAND VALUE 1944	1945	1946	1947	1948	1949	BUILDINGS 1944	1945	1946	1947	1948	1949	TREES, VINES, ETC. 1944	1945	1946	1947	1948	1949
1	Por of SW4 E & S of Golden Valley Farms No 5	6	4S	3W	11 70	VAL VERDE 5 98-03	240	240	240	240	248	1740												
2																								
3	Govt Lot 6				2 60	R 1941	50	50	50	50	50	340												
4																								
5																								
6																								
7																								
8																								
9	RIVERSIDE TRACT MB 14/668 SD					98-06																		
10	N 110'	1	1		2 02	Sold 1981																		
11	S 550'				10 12		160	160	160	160	168	420												
12		2			10		200	200	200	200	200	1500												
13		3			10	R 1943	200	200	200	200	200	500												
14		4			10		200	200	200	200	200	600												
15		5			10		700	700	700	700	700	1500	00	FF	FF									
16		6			10		700	700	700	700	700	1500	300	300	300									
17		7			10		200	200	200	200	200	1500												
18		8			12 16		190	190	190	190	190	480												
19																								
20																								
21																								
22		1	2		9 99		700	700	700	700	700	1500												
23		2			9 98		700	700	700	700	700	1500												
24		3			9 97		700	700	700	700	700	1500												
25		4			9 95		200	200	200	200	200	1500												
26		5			10		200	200	200	200	200	1500												
27		6			10		700	700	700	700	700	1500												
28		7			10		700	700	700	700	700	1500	FF 200	FF 200	FF 200									
29		8			10		700	700	700	700	700	1500	800	800	800	1000	1000	600						
30																								
31																								
32																								
33		1	3		9 96	98-01	200	200	200	200	200	1500												
34		2			9 93		200	200	200	200	200	1500												
35		3			9 92		200	200	200	200	200	1500												
36		4			11 63		230	200	200	200	200	1740												
37		5			11 84		230	200	200	200	200	1750												
38	W2	6			5		100	100	100	100	100	750												
39	E2				5		100	100	100	100	100	750												
40		7			10		200	200	200	200	200	1500	FF 20	FF 20	FF 20									
41		8			10		200	200	200	200	200	1500	40	40	40	60	60	60						
42																		150						
43																								
44																								
45		1	4		10		200	200	200	200	200	1500												
46		2			10	R 1983 Sold 1944	200	200	200	200	200	1500	360	360	360	360	360	—						
47		3			10	R 1983 Sold 1944	200	200	200	200	200	1500	PP 30	PP 30	PP 30	PP 30	PP 30	—						
48		4			11 84		240	240	240	240	240	1750												
49		5			11 84		240	240	240	240	240	1750												
50		6			10 02		200	200	200	200	200	1500												
51	Cooper S W of Rancho Nuevo Line	7			9 64		190	190	180	180	180	1480						500						
52		8			10		200	200	200	200	200	1500												
53	Lot SW of Rancho Nuevo Line	7			33				20	20	20	—												
54																								
55																								
56																								
57		1	5		10	98-06	200	700	700	700	700	1500	270	270	170	178	170	270						
58		2			10		200	700	700	700	700	1500												
59		3			10		200	200	200	200	200	1000												
60		4			10		200	200	200	200	200	1000												
61		5			10		200	200	200	200	200	1000	310	310	310	310	310	490						
62		6			10		200	200	200	200	200	1000												
63		7			10																			
64		8			10																			
65																								
66																								
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RIVERSIDE COUNTY Real Property Ownership Record

BK. ___ MAP ___ PAGE 16-01-00

LINE NO.	1949 ASSESSED TO	1950 ASSESSED TO	1951 ASSESSED TO	1952 ASSESSED TO	1953 ASSESSED TO	1954 ASSESSED TO	LINE NO.	DESCRIPTION	SECTION OR LOT	TWP. OR BLOCK	RANGE	SCHOOL DIST. CODE AREA	DATE SOLD FOR TAXES	1950 LAND	1950 IMP.	1950 T&V	1951 LAND	1951 IMP.	1951 T&V	1952 LAND	1952 IMP.	1952 T&V	1953 LAND	1953 IMP.	1953 T&V	1954 LAND	1954 IMP.	1954 T&V	LAND	IMP.	T&V
							1	POR OF SW 1/4 E AND S OF GOLDEN VALLEY FARMS NO 5, 11.79 AC	6	4S	3W	VAL VERDE 98-168																		
							3	GOVT LOT 6, 2.60 AC	6	4S	3W	98 03		350			350						350			350				
												98 03		280			230						230			230				
								RIVERSIDE TRACT MB 14/668 SD				VAL VERDE 98																			
							X 10	N 110 FT, ~~2.02~~ AC		I	I	98 06																			
							11	S 550 FT, ~~10.12~~ AC 11 Ac.		I	I	98 06					60													
							12	~~10~~ AC Exc part to Flood Control 1st 9.4 Ac.		2	I	98 06		300			1500			1500			1650			1650				
							13	~~10~~ AC Exc part to Flood Control 1st 9.4 Ac.		3	I	98 06		300			1500			1500			1410			1410				
							14	~~10~~ AC Exc part to Flood Control 1st 8 Ac.		4	I	98 06		300			300			300			250			280				
							15	10 AC		5	I	98 06		300			300			300			260			260				
							16	10 AC		6	I	98 06		1500			1500			1400			1570	200		1500	950		
							17	10 AC		7	I	98 06		1500			1500			1500			1500			1500			
							18	12.16 AC		8	I	98 06		1500			1500			1500						1000			
							22	~~9.99~~ AC Exc part to Flood Control 1st 8 Ac.		1	2	98 06		360			360			360			360			360			
							23	9.98 AC do 9 Ac.		2	2	98 06		1000			1000			1000			860			1030			
							24	9.97 AC do. 9 Ac.		3	2	98 06		1000			1000			1000			740			1130			
							25	9.95 AC do. 9 Ac.		4	2	98 06		1000			1000			1000			940			1130			
							26	10 AC		5	2	98 06		1000			1000			300			940			1080			
							27	10 AC		6	2	98 06		1000			1000			300			1000			1200			
							28	10 AC		7	2	98 06		1000			1000			1000			1000			1200			
							29	10 AC		8	2	98 06		1000			1000			1000			1000			1200			
							33	9.94 AC		1	3	98 06	23	1000	2000		1000	2000		1000	2000		1000	2000		1200	2000			
							34	9.93 AC		2	3	98 01	60 R 51	1350			1350			1350			1350			1350			
							35	9.92 AC		3	3	98 01		700			700			700			700			700			
							36	11.63 AC		4	3	98 01		700			700			700			700			700			
							37	11.84 AC		5	3	98 01		810			810			810			810			810			
							38	W 1/2, 5 AC		6	3	98 01		820			820			820			820			820			
							39	E 1/2, 5 AC		6	3	98 01		350			350			350			350			350			
							40	10 AC		7	3	98 01		350			350			350			350			350			
							41	~~10~~ AC Exc 3.00 of E 100'		8	3	98 01		700	60		700	60		700	60		700	60		700	60			
							45	10 AC		1	4	98 01	60 R 51	1500	2150		1500	2450		1500	2450		1470	2450		1470	2450			
							46	10 AC		2	4	98 01		850			850			850			850			850			
							47	10 AC		3	4	98 01		850			850			850			850			850			
							48	11.84 AC		4	4	98 01		850			850			850			850			850			
							49	11.84 AC		5	4	98 01		1020			1020			1020			1020			1020			
							50	10.02 AC		6	4	98 01		1020			1020			1020			1020			1020			
							51	9.64 AC		7	4	98 01		850			850			850			850			850			
							52	10 AC		8	4	98 01		820	800		820	800		820	800		820	800		820	800			
							57	10 AC		1	5	98 01		850			850	640		850	640		850	800		850	800			
							58	10 AC		2	5	98 01	60 R 51	1000	150		1000	150		1000	150		1000	150		1200	150			
							59	10 AC		3	5	98 06		1000			1000			1000			1000			1200			
							60	10 AC		4	5	98 06		1500			1500			1500			1500			1500			
							61	10 AC		5	5	98 06		300			1080			300			1000			1200			
							X 62	10 AC		6	5	98 06		300	490		300	490		300	490		850	490		850	490			
							X 63	10 AC		7	5	98 06		300			300			300			1000			1200			
							X 64	10 AC		8	5	98 06		EX																
							65	5.00' of E 100'		8	3	98 05		EX																
												98-12																		
																							150	640		150	640			

RIVERSIDE COUNTY Real Property Ownership Record

LINE NO.	1954 ASSESSED TO	1955 ASSESSED TO	1956 ASSESSED TO	1957 ASSESSED TO	1958 ASSESSED TO	1959 ASSESSED TO	DESCRIPTION	SECTION OR LOT	TWP. OR BLOCK	RANGE		LINE NO.	SCHOOL DIST. CODE AREA	DATE SOLD FOR TAXES	1955 LAND	1955 IMP.	1955 T & V	1956 LAND	1956 IMP.	1956 T & V	1957 LAND	1957 IMP.	1957 T & V	1958 LAND	1958 IMP.	1958 T & V	1959 LAND	1959 IMP.	1959 T & V
													VAL VERDE																
1	Aylmer, Alice F.						POR OF SW I/4 E AND S OF GOLDEN VALLEY					1	98 10		350			590			590			590			590		
3	Kidd Phyllis R Kroger Frank			Cardenas John & Marie			FARMS NO 5, II.79 AC	6	4S	3W																		
							GOVT LOT 6	6	4S	3W	2.71 Ac±	3	98 10		230			260			260			260			280		
							RIVERSIDE TR MB 14/668 SD																						
10	Riv. Co Flood Control & Wtr Dist						N 45 FT	I	I			10	98 11		—						—								
11	Cooke Margaret J.						S 615 FT. AC±	I	I			11	98 11		530			530			530			530			530		
12	Cooke Margaret J.						EXC POR TO FLOOD CONTROL AND ST.	2	I		9.4 AC	12	98 11		410			410			410			410			410		
13	Mourseth Jean H (Sep)						EXC POR TO FLOOD CONTROL AND ST.	3	I		9.4 AC	13	98 11		270			450			450			450			450		
14	Oberschmidt Ivy M				United Francis C (Clarke M)		EXC POR TO FLOOD CONTROL AND ST.	4	I		8.6 AC	14	98 11		540			500			500			500			650		
15	Cooke Margaret J.						IO AC	5	I			15	98 11		1500	1020		1500	970		1500	830		1500	830		1500	830	
16	Cooke Margaret J.						IO AC	6	I			16	98 11		1500			1500			1500			1500			1500		
17	Cooke Margaret J.						IO AC	7	I			17	98 11		1000			1000			1000			1000			1000		
18	Hubert Wm 20885				Esterson Viola		12.16 AC	8	I			18	98 11		360			610			610			610			610		
22	Nelson A.F. (Laura J.)				Nelson A. F.	Nelson Warren H (Betty R)	EXC POR TO FLOOD CONTROL AND ST.	I	2		8.6 AC	22	98 11		1290			1290			1290			1290			1290		
23	Nelson A.F. (Laura J.) 20885				Nelson A. F.	Nelson Warren H (Betty R)	EXC POR TO FLOOD CONTROL AND ST.	2	2		9.4 AC	23	98 11		1410			1410			1410			1410			1410		
24	Nelson A.F. (Laura J.) 20885				Nelson A. F.	Nelson Warren H (Betty R)	EXC POR TO FLOOD CONTROL AND ST.	3	2		9.4 AC	24	98 11		1410			1410			1410			1410			1410		
25	Nelson Warren Hedrick 78331						EXC POR TO FLOOD CONTROL AND ST.	4	2		9 AC	25	98 11		1350			1350			1350			1350			1350		
26	Nelson Warren Hedrick 20885						IO AC exc S 365' mea fr Cook Manor St	5	2			26	98 11		1520			1500			1520			1520			1520		
27	Nelson A.F. (Laura J.)				Nelson A. F.	Nelson Warren H (Betty R)	IO AC N 245' M/L E 360' & S 245' fr Manor St	6	2		4.7 AC	27	98 11		1050			1050			1050			1050			560		
28	Nelson A.F. (Laura J.) 20885				Nelson A. F.	Nelson Warren H (Betty R)	IO AC N 295' M/L	7	2			28	98 11		680			680			680			680			680		
29	Nelson A.F. (Laura J.) 20885				Nelson A. F.	Nelson Warren H (Betty R)	IO AC N 295' M/L	8	2			29	98 11		680	2060		680	2060		680	2060		680	2060		680	2060	
33	Clark Ira W (Pauline M) 20940 - 41/53						9.94 AC	I	3			33	98 12	SOLD 1954	1350			1350			1350			1350			1350		
34	Shaffer Thos C 295-496		Clark Ira W (Pauline M) 20940 - 41/53				9.93 AC	2	3			34	98 12	SOLD 1958	700			700			700			700			700		
35	Schaffer Thomas C 295-496		Clark Ira W (Pauline M) 20940 - 41/53				9.92 AC	3	3			35	98 12	SOLD 1958	700			700			700			700			700		
36	Schaffer Thomas C 295-496		Clark Ira W (Pauline M) 20940 - 41/53				II.63 AC	4	3			36	98 12	SOLD 1958	810			810			810			810			810		
37	Schaffer Thomas C 295-496		Clark Ira W (Pauline M) 20940 - 41/53				II.84 AC exc E 378' H S 100'	5	3		11.64 Ac	37	98 12	SOLD 1958	820			820			1750			1750			1750		
38	Schaffer Thomas C 295-496		Clark Ira W (Pauline M) 20940 - 41/53				W 1/2, 5 AC	6	3			38	98 12	SOLD 1958	350			350			350			350			350		
39	Schaffer Thomas C 295-496		Clark Ira W (Pauline M) 20940 - 41/53				E 1/2, 5 AC	6	3			39	98 12	SOLD 1958	350			350			350			350			350		
40	Schaffer Thomas C 295-496		Clark Ira W (Pauline M) 20940 - 41/53				IO AC	7	3			40	98 12	SOLD 1958	700	60		700			700			700			700		
41	Clark Ira W (Pauline M) 20940 - 41/53						EXC S 100 FT OF E 100 FT	8	3			41	98 12	SOLD 1954	1470	3130		1200	3130		1200	3130		1200	3130		1200	3130	
45	Smith Donald B (Ruby E) 1424-28-347						IO AC	I	4			45	98 12		850			850			850			850			850		
46	Smith Donald B & Ruby E 2377						IO AC	2	4			46	98 12		850			850			850			850			850		
47	Smith Donald B (Ruby E) 8852 - 8945						IO AC	3	4			47	98 12		850			850			850			850			850		
48	Smith Donald B (Ruby E) 8852 - 8945						II.84 AC	4	4			48	98 12		1020			1020			1020			1020			1020		
49	Smith Donald B (Ruby E) 2377						II.84 AC	5	4			49	98 12		1020			1020			1020			1020			1020		
50	Smith Donald B (Ruby E) 2377						IO.02 AC	6	4			50	98 12		850	800		850	800		850	800		850	800		850	800	
51	Smith Donald B (Ruby E) 2377						9.64 AC	7	4			51	98 12		820			820			820			820			820		
52	Smith Donald B (Ruby E) 2377						IO AC	8	4			52	98 12		850	920		850	920		850	920		850	920		850	920	
57	Nelson Warren H 78331	USA					IO AC	I	5			57	98 11		Cancel						—								
58	Nelson Warren H 78360	USA					IO AC	2	5			58	98 11		Cancel						—								
59	Long Dorthy L & Hofrederd ND 79144			USA			IO AC N 295' M/L 4.47 Ac	3	5			59	98 11		810			810			810								
60	Nelson Warren H 20885 - 7/52				USA		IO AC	4	5			60	98 11		1200			1200			1200								
61	Smith Donald B (Ruby E) 79144						IO AC	5	5			61	98 11		850	930		850	1330		850	1330		850	1330		850	1330	
62	Nelson Warren H 78331				USA		IO AC W 295' M/L 4.47 Ac	6	5			62	98 11		540			540			540								
63	U.S.A.						IO AC	7	5			63	98 11								—								
64	U.S.A.						IO AC	8	5			64	98 11								—								
65	Clark Ira W (Pauline M) 20940 - 41/53						S 100 FT OF E 100 FT	8	3			65	98 12	SOLD 1958	150	1200		150	1200		150	1200		150	1200		150	1200	
66		USA					E 365' 5.53 Ac	6	5			66	98 11		Cancel						—								
67		USA					S 360' Lot 1 & S 360' of Lots 7 & 8 16.61 Ac		2			67	98 11		Cancel						—								
68		USA					E 360' 5.13 Ac	3	5			68	98 11		Cancel						—								
69				United States of America Ex			E 75' of S 100' .20 Ac	5	3			69	98 12								—								
70					USA		S 365' mea fr E Manor St	5	2			70	98 11								—								

BOOK 16 MAP 01 PAGE 000

RIVERSIDE COUNTY Real Property Ownership Record

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DESCRIPTION	SECTION OR LOT	TWP. OR BLOCK	RANGE	SCHOOL DISTRICT CODE AREA	YEAR SOLD FOR TAXES	LINE NO.	1960 ASSESSED TO	1961 ASSESSED TO	1962 ASSESSED TO	1963 ASSESSED TO	1964 ASSESSED TO	1960 LAND	1960 IMP.	1960 T & V	1961 LAND	1961 IMP.	1961 T & V	1962 LAND	1962 IMP.	1962 T & V	1963 LAND	1963 IMP.
CLARK IRA W & PAULINE M RIVERSIDE TR MB 14/668 SD				98-12		33	E 116413-79					1350			1350							
9.94 AC	1	3			1954																	
CLARK IRA W & PAULINE RIVERSIDE TR MB 14/668 SD				98-12		34	E7159					700			700							
9.93 AC	2	3			1958																	
CLARK IRA W & PAULINE RIVERSIDE TR MB 14/668 SD				98-12		35	E7159					700			700							
9.92 AC	3	3			1958																	
CLARK IRA W & PAULINE RIVERSIDE TR MB 14/668 SD				98-12		36	E7159					810			810							
11.63 AC	4	3			1958																	
CLARK IRA W & PAULINE RIVERSIDE TR MB 14/668 SD				98-12		37	E7159					1750			1750							
LOT 5 EXC E 75' OF S 100' CLARK IRA W & PAULINE RIVERSIDE TR MB 14/668 SD		3		98-12	1958	38	E7159					350			350							
W 1/2, 5 AC	6	3			1958																	
CLARK IRA W & PAULINE RIVERSIDE TR MB 14/668 SD				98-12		39	E7159					350			350							
E 1/2, 5 AC	6	3			1958																	
CLARK IRA W & PAULINE RIVERSIDE TR MB 14/668 SD				98-12		40	E7159					700			700							
10 AC	7	3			1958																	
CLARK IRA W & PAULINE M RIVERSIDE TR MB 14/668 SD				98-12		41	E116413-79					1200	3130		1200	3130						
EXC S 100' OF E 100' SMITH DONALD B & RUBY E RIVERSIDE TR MB 14/668 SD	8	3		98-12	1954	45						850			850							
10 AC	1	4																				
SMITH DONALD B & RUBY E RIVERSIDE TR MB 14/668 SD				98-12		46						850			850							
10 AC	2	4																				
SMITH DONALD B & RUBY E RIVERSIDE TR MB 14/668 SD				98-12		47						850			850							
10 AC	3	4																				
SMITH DONALD B & RUBY E RIVERSIDE TR MB 14/668 SD				98-12		48						1020			1020							
11.84 AC	4	4																				
SMITH DONALD B & RUBY E RIVERSIDE TR MB 14/668 SD				98-12		49						1020			1020							
11.84 AC	5	4																				
SMITH DONALD B & RUBY E RIVERSIDE TR MB 14/668 SD				98-12		50						850	800		850	800						
10.02 AC	6	4																				
SMITH DONALD B & RUBY E RIVERSIDE TR MB 14/668 SD				98-12		51						820			820							
9.64 AC	7	4																				
SMITH DONALD B & RUBY E RIVERSIDE TR MB 14/668 SD				98-12		52						850	920		850	920						
10 AC	8	4																				
USA RIVERSIDE TR MB 14/668 SD				98-11		57																
10 AC	1	5																				
USA RIVERSIDE TR MB 14/668 SD				98-11		58																
10 AC	2	5																				

INTIAL STUDY – APPENDIX C

Geotechnical Investigation Report

GEOTECHNICAL INVESTIGATION
PROPOSED WAREHOUSE

Harley Knox Boulevard, West of Indian Avenue
Perris, California
for
First Industrial Realty Trust, Inc.

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

February 18, 2022

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

First Industrial Realty Trust, Inc.
898 N. Pacific Coast Highway. STE 175
El Segundo, CA 90245

Attention: Mr. Matt Pioli
Investment Officer

Project No.: **22G106-1**

Subject: **Geotechnical Investigation**
Proposed Warehouse
Harley Knox Boulevard, West of Indian Avenue
Perris, California

Gentlemen:

In accordance with your request, we have conducted a geotechnical investigation at the subject site. We are pleased to present this report summarizing the conclusions and recommendations developed from our investigation.

We sincerely appreciate the opportunity to be of service on this project. We look forward to providing additional consulting services during the course of the project. If we may be of further assistance in any manner, please contact our office.

Respectfully Submitted,

SOUTHERN CALIFORNIA GEOTECHNICAL, INC.

Pablo Montes Jr.
Project Engineer

Robert G. Trazo, GE 2655
Principal Engineer



Distribution: (1) Addressee

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APPENDICES

A Plate 1: Site Location Map
Plate 2: Boring Location Plan
B Boring Logs
C Laboratory Test Results
D Grading Guide Specifications
E Seismic Design Parameters

1.0 EXECUTIVE SUMMARY

Presented below is a brief summary of the conclusions and recommendations of this investigation. Since this summary is not all inclusive, it should be read in complete context with the entire report.

Geotechnical Design Considerations

- The proposed building area is underlain by native alluvial soils. The near-surface alluvium possesses variable strengths and a moderate potential for collapse when inundated with water. The upper portion of the alluvium, in its present condition, is not considered suitable for support of the foundation loads of the new structure. The younger alluvial materials are underlain by older alluvium The older alluvium possesses more favorable strengths and favorable consolidation/collapse characteristics.

Site Preparation

- Remedial grading is recommended to be performed within the proposed building area in order to remove the upper portion of the near-surface native alluvial soils, and any soils disturbed during stripping process. The proposed building area should be overexcavated to a depth of at least 5 feet below existing grade and to a depth of 4 feet below proposed building pad subgrade elevation, whichever is greater. Within the foundation influence zones, the overexcavation should extend to a depth of at least 3 feet below proposed foundation bearing grade. The overexcavation should extend horizontally at least 5 feet beyond the building and foundation perimeters.
- After the overexcavation has been completed, the resulting subgrade soils should be evaluated by the geotechnical engineer to identify any additional soils that should be removed. The resulting subgrade should then be scarified to a depth of 12 inches and moisture conditioned to 2 to 4 percent above optimum. The previously excavated soils may then be replaced as compacted structural fill. All structural fill soils should be compacted to at least 90 percent of the ASTM D-1557 maximum dry density.
- The new pavement and flatwork subgrade soils are recommended to be scarified to a depth of 12± inches, thoroughly moisture conditioned and recompacted to at least 90 percent of the ASTM D-1557 maximum dry density.

Building Foundations

- Conventional shallow foundations, supported in newly placed compacted fill.
- 2,500 lbs/ft^2 maximum allowable soil bearing pressure.
- Reinforcement consisting of at least four (4) No. 5 rebars (2 top and 2 bottom) in strip footings. Additional reinforcement may be necessary for structural considerations.

Building Floor Slab

- Conventional Slab-on-Grade: minimum 6 inches thick.
- Modulus of Subgrade Reaction: k = 100 psi/in.
- Reinforcement is not expected to be necessary for geotechnical considerations. The actual thickness and reinforcement of the floor slab should be determined by the structural engineer.

Pavements Design Recommendations

ASPHALT PAVEMENTS (R = 30)					
Materials	**Thickness (inches)**				
	Auto Parking and Auto Drive Lanes (TI = 4.0 to 5.0)	Truck Traffic			
		TI = 6.0	TI = 7.0	TI = 8.0	TI = 9.0
Asphalt Concrete	3	3½	4	5	5½
Aggregate Base	6	8	10	11	13
Compacted Subgrade	12	12	12	12	12

PORTLAND CEMENT CONCRETE PAVEMENTS (R = 30)				
Materials	**Thickness (inches)**			
	Autos and Light Truck Traffic (TI = 5.0 to 6.0)	Truck Traffic		
		TI = 7.0	TI = 8.0	TI = 9.0
PCC	5	5½	6½	8
Compacted Subgrade (95% minimum compaction)	12	12	12	12

2.0 SCOPE OF SERVICES

The scope of services performed for this project was in accordance with our Proposal No. 21P415, dated December 17, 2021. The scope of services included a visual site reconnaissance, subsurface exploration, field and laboratory testing, and geotechnical engineering analysis to provide criteria for preparing the design of the building foundations, building floor slab, and parking lot pavements along with site preparation recommendations and construction considerations for the proposed development. The evaluation of the environmental aspects of this site was beyond the scope of services for this geotechnical investigation.

3.0 SITE AND PROJECT DESCRIPTION

3.1 Site Conditions

The site is located 630± feet west of the intersection of Harley Knox Boulevard and Indian Avenue in Perris, California. The site is bounded to the north by a storm drain channel, to the east by Indian Avenue and an existing commercial/industrial building, to the south by Harley Knox Boulevard and to the west by vacant land. The general location of the site is illustrated on the Site Location Map, included as Plate 1 of this report.

The site consists of two (2) rectangular-shaped parcels, which total 20.26± acres in size. The site is presently vacant and undeveloped. Ground surface cover consists of exposed soil with moderate to dense native grass and weed growth. Trash and debris are scattered on the ground surface throughout the site.

Based on historic aerial photographs obtained from Google Earth and the Historic Aerials website, https://www.historicaerials.com/, the site was previously utilized for farming activities and developed with three (3) single-family residences (SFRs). The SFRs, with footprints ranging in size from 1,000 to 2,000± ft^2, were constructed sometime between 1985 and 1997 and demolished sometime between 2002 and 2012.

Detailed topographic information was not available at the time of this report. Based on elevations obtained from Google Earth and visual observations made at the time of the subsurface investigation, the overall site slopes downward to the east at a gradient of less than 1± percent. The ground surface is generally uneven to due previous tilling activities.

3.2 Proposed Development

SCG was provided with a conceptual site plan prepared by HPA Architecture (Scheme 2). Based on Scheme 2, the site will be developed with one (1) new warehouse building, 384,620± ft^2 in size, located in the western and central areas of the site. Dock-high doors will be constructed along a portion of the northern building wall. The building will be surrounded by asphaltic concrete pavements in the parking and drive lanes, Portland cement concrete pavements in the loading dock areas, and limited areas of concrete flatwork and landscape planters throughout.

Detailed structural information has not been provided. It is assumed the buildings will be of tilt-up concrete construction, typically supported on conventional shallow foundations with a concrete slab-on-grade floor. Based on the assumed construction, maximum column and wall loads are expected to be on the order of 100 kips and 4 to 6 kips per linear foot, respectively.

No significant amounts of below grade construction, such as crawl spaces or new basements, are expected to be included in the proposed development. Based on the assumed topography, cuts and fills of up to 2 to 4± feet are expected to be necessary to achieve the proposed site grades.

4.0 SUBSURFACE EXPLORATION

4.1 Scope of Exploration/Sampling Methods

The subsurface exploration for this project consisted of eight (8) borings advanced to depths of 10 to 25± feet below the existing site grades. All of the borings were logged during drilling by a member of our staff.

The borings were advanced with hollow-stem augers, by a conventional truck-mounted drilling rig. Representative bulk and relatively undisturbed soil samples were taken during drilling. Relatively undisturbed soil samples were taken with a split barrel "California Sampler" containing a series of one inch long, 2.416± inch diameter brass rings. This sampling method is described in ASTM Test Method D-3550. In-situ samples were also taken using a 1.4± inch inside diameter split spoon sampler, in general accordance with ASTM D-1586. Both of these samplers are driven into the ground with successive blows of a 140-pound weight falling 30 inches. The blow counts obtained during driving are recorded for further analysis. Bulk samples were collected in plastic bags to retain their original moisture content. The relatively undisturbed ring samples were placed in molded plastic sleeves that were then sealed and transported to our laboratory.

The approximate locations of the borings are indicated on the Boring Location Plan, included as Plate 2 in Appendix A of this report. The Boring Logs, which illustrate the conditions encountered at the boring locations, as well as the results of some of the laboratory testing, are included in Appendix B.

4.2 Geotechnical Conditions

Alluvium

Younger alluvium was encountered at the ground surface of all boring locations, extending to depths of 3 to 8± feet below ground surface. The younger alluvial soils consist of medium dense sandy silts, silty sands, clayey sands, and fine to coarse sands with varying silt content. Occasional layers of very stiff to hard fine sandy clays were encountered. The younger alluvial soils generally possess calcareous nodules and veining and are slightly cemented.

Older Alluvium

Native older alluvium was encountered beneath the younger alluvium at all of the boring locations, extending to at least the maximum depth explored of 25± feet below ground surface. The older alluvial soils generally consist of medium dense to very dense fine sandy silts, silty fine to medium sands, clayey fine to coarse sands, and very stiff to hard silty clays and fine sandy clays. Some samples within the upper 5 to 15± feet are slightly cemented.

Groundwater

Free water was not encountered during the drilling of any of the borings. Based on the lack of any water within the borings, and the moisture contents of the recovered soil samples, the static groundwater table is considered to have existed at a depth in excess of 25± feet at the time of the subsurface exploration.

Recent water level data was obtained from the California State Water Resources Control Board, GeoTracker, website, https://geotracker.waterboards.ca.gov/. One monitoring well on record is located 1,670± feet south of the site. Water level readings within this monitoring well indicate a high groundwater level of 61± feet below the ground surface in October 2021.

5.0 LABORATORY TESTING

The soil samples recovered from the subsurface exploration were returned to our laboratory for further testing to determine selected physical and engineering properties of the soils. The tests are briefly discussed below. It should be noted that the test results are specific to the actual samples tested, and variations could be expected at other locations and depths.

Classification

All recovered soil samples were classified using the Unified Soil Classification System (USCS), in accordance with ASTM D-2488. Field identifications were then supplemented with additional visual classifications and/or by laboratory testing. The USCS classifications are shown on the Boring Logs and are periodically referenced throughout this report.

Density and Moisture Content

The density has been determined for selected relatively undisturbed ring samples. These densities were determined in general accordance with the method presented in ASTM D-2937. The results are recorded as dry unit weight in pounds per cubic foot. The moisture contents are determined in accordance with ASTM D-2216, and are expressed as a percentage of the dry weight. These test results are presented on the Boring Logs.

Consolidation

Selected soil samples have been tested to determine their consolidation and collapse potential, in accordance with ASTM D-2435. The testing apparatus is designed to accept either natural or remolded samples in a one-inch high ring, approximately 2.416 inches in diameter. Each sample is then loaded incrementally in a geometric progression and the resulting deflection is recorded at selected time intervals. Porous stones are in contact with the top and bottom of the sample to permit the addition or release of pore water. The samples are typically inundated with water at an intermediate load to determine their potential for collapse or heave. The results of the consolidation testing are plotted on Plates C-1 through C-4 in Appendix C of this report.

Maximum Dry Density and Optimum Moisture Content

A representative bulk sample has been tested for its maximum dry density and optimum moisture content. The results have been obtained using the Modified Proctor procedure, per ASTM D-1557, and are presented on Plate C-5 in Appendix C of this report. These tests are generally used to with compare the dry densities of undisturbed field samples, and for later compaction testing. Additional testing of other soil types or soil mixes may be necessary at a later date.

Expansion Index

The expansion potential of the on-site soils was determined in general accordance with ASTM D-4829. The testing apparatus is designed to accept a 4-inch diameter, 1-in high, remolded sample. The sample is initially remolded to 50± 1 percent saturation and then loaded with a surcharge equivalent to 144 pounds per square foot. The sample is then inundated with water and allowed

to swell against the surcharge. The resultant swell or consolidation is recorded after a 24-hour period. The results of the EI testing are as follows:

Sample Identification	Expansion Index	Expansive Potential
B-5 @ 0 to 5 feet	43	Low

Soluble Sulfates

A representative sample of the near-surface soils was submitted to a subcontracted analytical laboratory for determination of soluble sulfate content. Soluble sulfates are naturally present in soils, and if the concentration is high enough, can result in degradation of concrete which comes into contact with these soils. The results of the soluble sulfate testing are presented below, and are discussed further in a subsequent section of this report.

Sample Identification	Soluble Sulfates (%)	Sulfate Classification
B-5 @ 0 to 5 feet	0.002	Not Applicable (S0)

Corrosivity Testing

One representative bulk sample of the near-surface soils was submitted to a subcontracted corrosion engineering laboratory to identify potentially corrosive characteristics with respect to common construction materials. The corrosivity testing included a determination of the electrical resistivity, pH, and chloride and nitrate concentrations of the soils, as well as other tests. The results of some of these tests are presented below.

Sample Identification	Saturated Resistivity (ohm-cm)	pH	Chlorides (mg/kg)	Nitrates (mg/kg)
B-5 @ 0 to 5 feet	1,720	7.2	19	9.4

6.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of our review, field exploration, laboratory testing and geotechnical analysis, the proposed development is considered feasible from a geotechnical standpoint. The recommendations contained in this report should be taken into the design, construction, and grading considerations.

The recommendations are contingent upon all grading and foundation construction activities being monitored by the geotechnical engineer of record. The recommendations are provided with the assumption that an adequate program of client consultation, construction monitoring, and testing will be performed during the final design and construction phases to verify compliance with these recommendations. Maintaining Southern California Geotechnical, Inc., (SCG) as the geotechnical consultant from the beginning to the end of the project will provide continuity of services. The geotechnical engineering firm providing testing and observation services shall assume the responsibility of Geotechnical Engineer of Record.

The Grading Guide Specifications, included as Appendix D, should be considered part of this report, and should be incorporated into the project specifications. The contractor and/or owner of the development should bring to the attention of the geotechnical engineer any conditions that differ from those stated in this report, or which may be detrimental for the development.

6.1 Seismic Design Considerations

The subject site is located in an area which is subject to strong ground motions due to earthquakes. The performance of a site-specific seismic hazards analysis was beyond the scope of this investigation. However, numerous faults capable of producing significant ground motions are located near the subject site. Due to economic considerations, it is not generally considered reasonable to design a structure that is not susceptible to earthquake damage. Therefore, significant damage to structures may be unavoidable during large earthquakes. The proposed structures should, however, be designed to resist structural collapse and thereby provide reasonable protection from serious injury, catastrophic property damage and loss of life.

Faulting and Seismicity

Research of available maps indicates that the subject site is not located within an Alquist-Priolo Earthquake Fault Zone. Furthermore, SCG did not identify any evidence of faulting during the geotechnical investigation. Therefore, the possibility of significant fault rupture on the site is considered to be low.

The potential for other geologic hazards such as seismically induced settlement, lateral spreading, tsunamis, inundation, seiches, flooding, and subsidence affecting the site is considered low.

Seismic Design Parameters

The 2019 California Building Code (CBC) provides procedures for earthquake resistant structural design that include considerations for on-site soil conditions, occupancy, and the configuration of

the structure including the structural system and height. The seismic design parameters presented below are based on the soil profile and the proximity of known faults with respect to the subject site.

Based on standards in place at the time of this report, the proposed development is expected to be designed in accordance with the requirements of the 2019 edition of the California Building Code (CBC), which was adopted on January 1, 2020.

The 2019 CBC Seismic Design Parameters have been generated using the SEAOC/OSHPD Seismic Design Maps Tool, a web-based software application available at the website www.seismicmaps.org. This software application calculates seismic design parameters in accordance with several building code reference documents, including ASCE 7-16, upon which the 2019 CBC is based. The application utilizes a database of risk-targeted maximum considered earthquake (MCE_R) site accelerations at 0.01-degree intervals for each of the code documents. The tables below were created using data obtained from the application. The output generated from this program is included as Plate E-1 in Appendix E of this report.

The 2019 CBC requires that a site-specific ground motion study be performed in accordance with Section 11.4.8 of ASCE 7-16 for Site Class D sites with a mapped S_1 value greater than 0.2. However, Section 11.4.8 of ASCE 7-16 also indicates an exception to the requirement for a site-specific ground motion hazard analysis for certain structures on Site Class D sites. The commentary for Section 11 of ASCE 7-16 (Page 534 of Section C11 of ASCE 7-16) indicates that "In general, this exception effectively limits the requirements for site-specific hazard analysis to very tall and or flexible structures at Site Class D sites." **Based on our understanding of the proposed development, the seismic design parameters presented below were calculated assuming that the exception in Section 11.4.8 applies to the proposed structure at this site. However, the structural engineer should verify that this exception is applicable to the proposed structure.** Based on the exception, the spectral response accelerations presented below were calculated using the site coefficients (F_a and F_v) from Tables 1613.2.3(1) and 1613.2.3(2) presented in Section 16.4.4 of the 2019 CBC.

2019 CBC SEISMIC DESIGN PARAMETERS

Parameter		Value
Mapped Spectral Acceleration at 0.2 sec Period	S_S	1.500
Mapped Spectral Acceleration at 1.0 sec Period	S_1	0.588
Site Class	---	D
Site Modified Spectral Acceleration at 0.2 sec Period	S_{MS}	1.500
Site Modified Spectral Acceleration at 1.0 sec Period	S_{M1}	1.007
Design Spectral Acceleration at 0.2 sec Period	S_{DS}	1.000
Design Spectral Acceleration at 1.0 sec Period	S_{D1}	0.671

It should be noted that the site coefficient F_v and the parameters S_{M1} and S_{D1} were not included in the SEAOC/OSHPD Seismic Design Maps Tool output for the 2019 CBC. We calculated these parameters-based on Table 1613.2.3(2) in Section 16.4.4 of the 2019 CBC using the value of S_1

obtained from the Seismic Design Maps Tool, assuming that a site-specific ground motion hazards analysis is not required for the proposed buildings at this site.

Liquefaction

Liquefaction is the loss of strength in generally cohesionless, saturated soils when the pore-water pressure induced in the soil by a seismic event becomes equal to or exceeds the overburden pressure. The primary factors which influence the potential for liquefaction include groundwater table elevation, soil type and plasticity characteristics, relative density of the soil, initial confining pressure, and intensity and duration of ground shaking. The depth within which the occurrence of liquefaction may impact surface improvements is generally identified as the upper 50 feet below the existing ground surface. Liquefaction potential is greater in saturated, loose, poorly graded fine sands with a mean (d_{50}) grain size in the range of 0.075 to 0.2 mm (Seed and Idriss, 1971). Non-sensitive clayey (cohesive) soils which possess a plasticity index of at least 18 (Bray and Sancio, 2006) are generally not considered to be susceptible to liquefaction, nor are those soils which are above the historic static groundwater table.

The Riverside County GIS website indicates that the subject site is located within a zone of low liquefaction susceptibility. In addition, the subsurface conditions encountered at the boring locations are not considered to be conducive to liquefaction. These conditions consist of moderate to high strength younger and older native alluvial soils and no evidence of a long-term groundwater table within the depths explored by the borings. Based on these considerations, liquefaction is not considered to be a design concern for this project.

6.2 Geotechnical Design Considerations

General

The proposed building area is underlain by native alluvial soils. Based on the results of laboratory testing, the near-surface alluvium possesses a moderate potential for collapse when inundated by water. At greater depths, the alluvium possesses more favorable consolidation/collapse characteristics. The upper portion of the near-surface alluvial soils, in their present condition, are not considered suitable for support of the foundation loads of the new structure. Therefore, remedial grading is considered warranted within the proposed building area in order to remove upper portion of the native alluvium and replace these materials as compacted structural fill soils.

Settlement

The recommended remedial grading will remove an upper portion of the near-surface native alluvium, and replace these soils as compacted structural fill. The native soils that will remain in place below the recommended depth of overexcavation will not be subject to significant load increases from the foundations of the new structure. Provided that the recommended remedial grading is completed, the post-construction static settlements of the proposed structure is expected to be within tolerable limits.

Expansion

Laboratory testing performed on a representative sample of the near surface soils indicates that these materials possess a low expansion potential (EI = 43). Based on the presence of expansive soils at this site, care should be given to proper moisture conditioning of all building pad subgrade soils to a moisture content of 2 to 4 percent above the ASTM D-1557 optimum during site grading. In addition to adequately moisture conditioning the subgrade soils and fill soils during grading, special care must be taken to maintaining moisture content of these soils at 2 to 4 percent above the optimum moisture content. This will require the contractor to frequently moisture condition these soils throughout the grading process, unless grading occurs during a period of relatively wet weather.

Soluble Sulfates

The results of the soluble sulfate testing indicated a sulfate concentration of approximately 0.002 percent for the selected sample of the near-surface soils. This concentration is considered to be "not applicable" (S0) with respect to the American Concrete Institute (ACI) Publication 318-14 Building Code Requirements for Structural Concrete and Commentary, Section 4.3. Therefore, specialized concrete mix designs are not considered to be necessary, with regard to sulfate protection purposes. It is, however, recommended that additional soluble sulfate testing be conducted at the completion of rough grading to verify the soluble sulfate concentrations of the soils which are present at pad grade within the building area.

Corrosion Potential

The results of laboratory testing indicate that the on-site soils possess a saturated resistivity of 1,720 ohm-cm, and a pH value of 7.2. These test results have been evaluated in accordance with guidelines published by the Ductile Iron Pipe Research Association (DIPRA). The DIPRA guidelines consist of a point system by which characteristics of the soils are used to quantify the corrosivity characteristics of the site. Resistivity and pH are two of the five factors that enter into the evaluation procedure. Redox potential, relative soil moisture content and sulfides are also included. Although sulfide testing was not part of the scope of services for this project, we have evaluated the corrosivity characteristics of the on-site soils using resistivity, pH and moisture content. Based on these factors, and utilizing the DIPRA procedure, **the on-site soils are considered to be slightly to moderately corrosive to ductile iron pipe. Therefore, polyethylene encasement or some other appropriate method of protection may be required for iron pipes.**

A relatively low concentration (19 mg/kg) of chlorides were detected in the sample submitted for corrosivity testing. In general, soils possessing chloride concentrations in excess of 500 parts per million (ppm) are considered to be corrosive with respect to steel reinforcement within reinforced concrete. Based on the lack of any significant chlorides in the tested sample, the site is considered to have a C1 chloride exposure in accordance with the American Concrete Institute (ACI) Publication 318 Building Code Requirements for Structural Concrete and Commentary. Therefore, a specialized concrete mix design for reinforced concrete for protection against chloride exposure is not considered warranted.

Nitrates present in soil can be corrosive to copper tubing at concentrations greater than 50 mg/kg. The tested sample possess a nitrate concentration of 9.4 mg/kg. Based on this test result, the on-site soils are not considered to be corrosive to copper pipe.

Since SCG does not practice in the area of corrosion engineering, we recommend that the client contact a corrosion engineer to provide a more thorough evaluation.

Shrinkage/Subsidence

Based on the results of the laboratory testing, removal and recompaction of the near-surface native alluvium will result in an average shrinkage of 3 to 11 percent. However, the estimated shrinkage of the individual soil layers at the site is highly variable, locally ranging from a minimum shrinkage value of 0 percent to a maximum shrinkage of 13 percent at varying sample depths and locations. It should be noted that the potential shrinkage estimate is based on dry density testing performed on small-diameter samples taken at the boring locations. If a more accurate and precise shrinkage estimate is desired, SCG can perform a shrinkage study involving several excavated test-pits where in-place densities are determined using in-situ testing methods instead of laboratory density testing on small-diameter samples. Please contact SCG for details and a cost estimate regarding a shrinkage study, if desired.

Minor ground subsidence is expected to occur in the soils below the zone of removal, due to settlement and machinery working. The subsidence is estimated to be 0.10 feet.

These estimates are based on previous experience and the subsurface conditions encountered at the boring locations. The actual amount of subsidence is expected to be variable and will be dependent on the type of machinery used, repetitions of use, and dynamic effects, all of which are difficult to assess precisely.

Grading and Foundation Plan Review

It is recommended that we be provided with copies of the finalized grading and foundation plans, when they become available, for review with regard to the conclusions, recommendations, and assumptions contained within this report.

6.3 Site Grading Recommendations

The grading recommendations presented below are based on the subsurface conditions encountered at the boring locations and our understanding of the proposed development. We recommend that all grading activities be completed in accordance with the Grading Guide Specifications included as Appendix D of this report, unless superseded by site-specific recommendations presented below.

Site Stripping

Initial site preparation should include stripping of any surficial vegetation and organic soils. Any organic topsoil and tree root masses should be removed during site stripping. Based on conditions encountered at the time of the subsurface exploration, removal of the moderate to dense native grass and weed growth is expected to be necessary at the site. The actual extent of site stripping

should be determined in the field by the geotechnical engineer, based on the organic content and stability of the materials encountered.

Treatment of Existing Soils: Building Pad

Remedial grading should be performed within the proposed building pad area in order to remove the upper portion of the existing alluvial soils. In order to provide a uniform layer of building support, it is recommended that the overexcavation extend to a depth of at least 5 feet below existing grade, and to a depth of at least 4 feet below proposed grade, whichever is greater. Within the influence zones of the new foundations, the overexcavation should extend to a depth of at least 3 feet below proposed foundation bearing grade.

The overexcavation areas should extend at least 5 feet beyond the building perimeters, and to an extent equal to the depth of fill below the new foundations. If the proposed structure incorporates any exterior columns (such as for a canopy or overhang) the area of overexcavation should also encompass these areas.

Following completion of the overexcavation, the subgrade soils within the overexcavation areas should be evaluated by the geotechnical engineer to verify their suitability to serve as the structural fill subgrade, as well as to support the foundation loads of the new structure. This evaluation should include proofrolling and probing to identify any soft, loose, or otherwise unstable soils that must be removed. **Some localized areas of deeper excavation may be required if fill soils or loose, porous, or low-density native soils are encountered at the base of the overexcavation.**

After a suitable overexcavation subgrade has been achieved, the exposed soils should be scarified to a depth of at least 12 inches and moisture conditioned to achieve a moisture content of 2 to 4 percent above optimum moisture content. The subgrade soils should then be recompacted to at least 90 percent of the ASTM D-1557 maximum dry density.

The building pad area may then be raised to grade with previously excavated soils or imported, very low expansive structural fill. All structural fill soils present within the proposed building area should be compacted to at least 90 percent of the ASTM D-1557 maximum dry density.

Treatment of Existing Soils: Retaining Walls and Site Walls

The existing soils within the areas of proposed retaining and non-retaining site walls should be overexcavated to a depth of at least 2 feet below foundation bearing grade and replaced as compacted structural fill. Subgrades for erection pads for concrete tilt-up walls are considered to be a part of the foundation system and should also be overexcavated. The overexcavation subgrade soils should be evaluated by the geotechnical engineer prior to scarifying, moisture conditioning and recompacting the upper 12 inches of exposed subgrade soils. The previously excavated soils may then be replaced as compacted structural fill.

If the full lateral extent of overexcavation is not achievable for the proposed walls, the foundations should be redesigned using a lower bearing pressure. The geotechnical engineer of record should be contacted for recommendations pertaining to this type of condition.

Treatment of Existing Soils: Parking and Drive Areas

Based on economic considerations, overexcavation of the existing soils in the new parking and drive areas is not considered warranted, with the exception of areas where lower strength, or unstable soils are identified by the geotechnical engineer during grading.

Subgrade preparation in the new parking and drive areas should initially consist of removal of all soils disturbed during stripping. The geotechnical engineer should then evaluate the subgrade to identify any areas of additional unsuitable soils. The subgrade soils should then be scarified to a depth of 12± inches, moisture conditioned to 2 to 4 percent above optimum, and recompacted to at least 90 percent of the ASTM D-1557 maximum dry density. Based on the presence of variable strength soils throughout the site, it is expected that some isolated areas of additional overexcavation may be required to remove zones of lower strength, unsuitable soils.

The grading recommendations presented above for the proposed parking and drive areas assume that the owner and/or developer can tolerate minor amounts of settlement within the proposed parking areas. The grading recommendations presented above do not completely mitigate the extent of existing low strength younger alluvium in the parking areas. As such, settlement and associated pavement distress could occur. Typically, repair of such distressed areas involves significantly lower costs than completely mitigating these soils at the time of construction. If the owner cannot tolerate the risk of such settlements, the parking and drive areas should be overexcavated to a depth of 2 feet below proposed pavement subgrade elevation, with the resulting soils replaced as compacted structural fill.

Fill Placement

- Fill soils should be placed in thin (6± inches), near-horizontal lifts, moisture conditioned to 2 to 4 percent above the optimum moisture content, and compacted.
- On-site soils may be used for fill provided they are cleaned of any debris to the satisfaction of the geotechnical engineer.
- All grading and fill placement activities should be completed in accordance with the requirements of the 2019 CBC and the grading code of the city of Perris.
- All fill soils should be compacted to at least 90 percent of the ASTM D-1557 maximum dry density. Fill soils should be well mixed.
- Compaction tests should be performed periodically by the geotechnical engineer as random verification of compaction and moisture content. These tests are intended to aid the contractor. Since the tests are taken at discrete locations and depths, they may not be indicative of the entire fill and therefore should not relieve the contractor of his responsibility to meet the job specifications.

Imported Structural Fill

All imported structural fill should consist of very low expansive (EI < 20), well graded soils possessing at least 10 percent fines (that portion of the sample passing the No. 200 sieve). Additional specifications for structural fill are presented in the Grading Guide Specifications, included as Appendix D.

Utility Trench Backfill

In general, all utility trench backfill soils should be compacted to at least 90 percent of the ASTM D-1557 maximum dry density. As an alternative, a clean sand (minimum Sand Equivalent of 30) may be placed within trenches and compacted in place (jetting or flooding is not recommended). Compacted trench backfill should conform to the requirements of the local grading code, and more restrictive requirements may be indicated by the city of Perris. All utility trench backfills should be witnessed by the geotechnical engineer. The trench backfill soils should be compaction tested where possible; probed and visually evaluated elsewhere.

Utility trenches which parallel a footing, and extending below a 1h:1v plane projected from the outside edge of the footing should be backfilled with structural fill soils, compacted to at least 90 percent of the ASTM D-1557 standard. Pea gravel backfill should not be used for these trenches.

6.4 Construction Considerations

Excavation Considerations

The near-surface soils generally consist of moderate strength sandy silts, silty sands and clayey sands. These materials may be subject to minor to moderate caving within shallow excavations. Where caving does occur, flattened excavation slopes may be sufficient to provide excavation stability. On a preliminary basis, the inclination of temporary slopes should not exceed 1.5h:1v. Deeper excavations may require some form of external stabilization such as shoring or bracing. Maintaining adequate moisture content within the near-surface soils will improve excavation stability. All excavation activities on this site should be conducted in accordance with Cal-OSHA regulations.

Expansive Soils

Based on the results of laboratory testing, some of the near surface soils have been determined to possess a low potential for expansion. Therefore, care should be given to proper moisture conditioning of all building pad subgrade soils to a moisture content of 2 to 4 percent above the Modified Proctor optimum during site grading. All imported fill soils should have very low expansive characteristics. In addition to adequately moisture conditioning the subgrade soils and fill soils during grading, special care must be taken to maintain moisture content of these soils at 2 to 4 percent above the Modified Proctor optimum. This will require the contractor to frequently moisture condition these soils throughout the grading process, unless grading occurs during a period of relatively wet weather.

Other provisions, as determined by the landscape architect or civil engineer, may also be appropriate.

Moisture Sensitive Subgrade Soils

Most of the near surface soils possess appreciable silt and clay content and may become unstable if exposed to significant moisture infiltration or disturbance by construction traffic. In addition, based on their granular content, some of the on-site soils will also be susceptible to erosion. The

site should, therefore, be graded to prevent ponding of surface water and to prevent water from running into excavations.

Groundwater

The static groundwater table is considered to exist at a depth greater than 25± feet or more below existing grade. Therefore, groundwater is not expected to impact the grading or foundation construction activities.

6.5 Foundation Design and Construction

Based on the preceding grading recommendations, it is assumed that the new building pad will be underlain by newly placed structural fill soils extending to depths of at least 3 feet below foundation bearing grade. Based on this subsurface profile, the proposed structure may be supported on shallow foundations.

Foundation Design Parameters

New square and rectangular footings may be designed as follows:

- Maximum, net allowable soil bearing pressure: 2,500 lbs/ft^2.
- Minimum wall/column footing width: 14 inches/24 inches.
- Minimum longitudinal steel reinforcement within strip footings: Four (4) No. 5 rebars (2 top and 2 bottom). Due to the presence of expansive soils. Additional reinforcement may be necessary for structural considerations.
- Minimum foundation embedment: 12 inches into suitable structural fill soils, and at least 18 inches below adjacent exterior grade. Interior column footings may be placed immediately beneath the floor slab.
- It is recommended that the perimeter building foundations be continuous across all exterior doorways. Any flatwork adjacent to the exterior doors should be doweled into the perimeter foundations in a manner determined by the structural engineer.

The allowable bearing pressures presented above may be increased by 1/3 when considering short duration wind or seismic loads. The minimum steel reinforcement recommended above is based on standard geotechnical practice. Additional rigidity may be necessary for structural considerations. The actual design of the foundations should be determined by the structural engineer.

Foundation Construction

The foundation subgrade soils should be evaluated at the time of overexcavation, as discussed in Section 6.3 of this report. It is further recommended that the foundation subgrade soils be evaluated by the geotechnical engineer immediately prior to steel or concrete placement. Soils suitable for direct foundation support should consist of newly placed structural fill compacted at

least 90 percent of the ASTM D-1557 maximum dry density. Any unsuitable materials should be removed to a depth of suitable bearing compacted structural fill, with the resulting excavations backfilled with compacted fill soils. As an alternative, lean concrete slurry (500 to 1,500 psi) may be used to backfill such isolated overexcavations.

The foundation subgrade soils should also be properly moisture conditioned to 2 to 4 percent above the Modified Proctor optimum, to a depth of at least 12 inches below bearing grade. Since it is typically not feasible to increase the moisture content of the floor slab and foundation subgrade soils once rough grading has been completed, care should be taken to maintain the moisture content of the building pad subgrade soils throughout the construction process.

Estimated Foundation Settlements

Post-construction total and differential static settlements of shallow foundations designed and constructed in accordance with the previously presented recommendations are estimated to be less than 1.0 and 0.5 inches, respectively, under static conditions. Differential movements are expected to occur over a 50-foot span, thereby resulting in an angular distortion of less than 0.002 inches per inch.

Lateral Load Resistance

Lateral load resistance will be developed by a combination of friction acting at the base of foundations and slab and the passive earth pressure developed by footings below grade. The following friction and passive pressure may be used to resist lateral forces:

- Passive Earth Pressure: 300 lbs/ft^3
- Friction Coefficient: 0.30

These are allowable values, and include a factor of safety. When combining friction and passive resistance, the passive pressure component should be reduced by one-third. These values assume that footings will be poured directly against compacted structural fill soils. The maximum allowable passive pressure is 3,000 lbs/ft^2.

6.6 Floor Slab Design and Construction

Subgrades which will support new floor slab should be prepared in accordance with the recommendations contained in the ***Site Grading Recommendations*** section of this report. Based on the anticipated grading which will occur at this site, the floor of the proposed structure may be constructed as a conventional slab-on-grade, supported on newly placed structural fill (or densified existing soils), extending to a depth of at least 4 feet below finished pad grade. Based on geotechnical considerations, the floor slabs may be designed as follows:

- Minimum slab thickness: 6 inches.

- Modulus of Subgrade Reaction (k): 100 psi/in.

- Reinforcement is not expected to be required for geotechnical conditions. The actual floor slab reinforcement should be determined by the structural engineer, based upon the imposed loading.

- Slab underlayment: If moisture sensitive floor coverings will be used then minimum slab underlayment should consist of a moisture vapor barrier constructed below the entire slab area where such moisture sensitive floor coverings are expected. The moisture vapor barrier should meet or exceed the Class A rating as defined by ASTM E 1745-97 and have a permeance rating less than 0.01 perms as described in ASTM E 96-95 and ASTM E 154-88. A polyolefin material such as 15 mil Stego® Wrap Vapor Barrier or equivalent will meet these specifications. The moisture vapor barrier should be properly constructed in accordance with all applicable manufacturer specifications. Given that a rock free subgrade is anticipated and that a capillary break is not required, sand below the barrier is not required. The need for sand and/or the amount of sand above the moisture vapor barrier should be specified by the structural engineer or concrete contractor. The selection of sand above the barrier is not a geotechnical engineering issue and hence outside our purview. Where moisture sensitive floor coverings are not anticipated, the vapor barrier may be eliminated.

- Moisture condition the floor slab subgrade soils to 2 to 4 percent above the Modified Proctor optimum moisture content, to a depth of 12 inches. The moisture content of the floor slab subgrade soils should be verified by the geotechnical engineer within 24 hours prior to concrete placement.

- Proper concrete curing techniques should be utilized to reduce the potential for slab curling or the formation of excessive shrinkage cracks.

The actual design of the floor slab should be completed by the structural engineer to verify adequate thickness and reinforcement.

6.7 Retaining Wall Design and Construction

Although not indicated on the site plan, some small (less than 6 feet in height) retaining walls may be required in truck court area and to facilitate the new site grades. The parameters recommended for use in the design of these walls are presented below.

Retaining Wall Design Parameters

Based on the soil conditions encountered at the boring locations, the following parameters may be used in the design of new retaining walls for this site. The following parameters assume that only the on-site soils will be utilized for retaining wall backfill. The near-surface soils generally consist of sandy silts, silty sands and clayey sands. Based on their classification, these materials are expected to possess a friction angle of at least 30 degrees when compacted to at least 90 percent of the ASTM D-1557 maximum dry density.

If desired, SCG could provide design parameters for an alternative select backfill material behind the retaining walls. The use of select backfill material could result in lower lateral earth pressures. In order to use the design parameters for the imported select fill, this material must be placed

within the entire active failure wedge. This wedge is defined as extending from the heel of the retaining wall upwards at an angle of approximately 60° from horizontal. If select backfill material behind the retaining wall is desired, SCG should be contacted for supplementary recommendations.

RETAINING WALL DESIGN PARAMETERS

Design Parameter		**Soil Type**
		On-Site Sandy Silts, Silty Sands and Clayey Sands
Internal Friction Angle (ϕ)		30°
Unit Weight		132 lbs/ft^3
Equivalent Fluid Pressure:	Active Condition (level backfill)	44 lbs/ft^3
	Active Condition (2h:1v backfill)	71 lbs/ft^3
	At-Rest Condition (level backfill)	66 lbs/ft^3

Regardless of the backfill type, the walls should be designed using a soil-footing coefficient of friction of 0.30 and an equivalent passive pressure of 300 lbs/ft^3. The structural engineer should incorporate appropriate factors of safety in the design of the retaining walls.

The active earth pressure may be used for the design of retaining walls that do not directly support structures or support soils that in turn support structures and which will be allowed to deflect. The at-rest earth pressure should be used for walls that will not be allowed to deflect such as those which will support foundation bearing soils, or which will support foundation loads directly.

Where the soils on the toe side of the retaining wall are not covered by a "hard" surface such as a structure or pavement, the upper 1 foot of soil should be neglected when calculating passive resistance due to the potential for the material to become disturbed or degraded during the life of the structure.

Seismic Lateral Earth Pressures

In accordance with the 2019 CBC, any retaining walls more than 6 feet in height must be designed for seismic lateral earth pressures. If walls 6 feet or more are required for this site, the geotechnical engineer should be contacted for supplementary seismic lateral earth pressure recommendations.

Retaining Wall Foundation Design

The retaining wall foundations should be supported within newly placed compacted structural fill, extending to a depth of at least 2 feet below proposed foundation bearing grade. Foundations to support new retaining walls should be designed in accordance with the general Foundation Design Parameters presented in a previous section of this report.

Backfill Material

On-site soils may be used to backfill the retaining walls. However, all backfill material placed within 3 feet of the back-wall face should have a particle size no greater than 3 inches. The retaining wall backfill materials should be well graded.

It is recommended that a properly installed prefabricated drainage composite such as the MiraDRAIN 6000XL (or approved equivalent), which is specifically designed for use behind retaining walls be used. If the drainage composite material is not covered by an impermeable surface, such as a structure or pavement, a 12-inch thick layer of a low permeability soil should be placed over the backfill to reduce surface water migration to the underlying soils. The drainage composite should be separated from the backfill soils by a suitable geotextile, approved by the geotechnical engineer.

All retaining wall backfill should be placed and compacted under engineering-controlled conditions in the necessary layer thicknesses to ensure an in-place density between 90 and 93 percent of the maximum dry density as determined by the Modified Proctor test (ASTM D1557). Care should be taken to avoid over-compaction of the soils behind the retaining walls, and the use of heavy compaction equipment should be avoided.

Subsurface Drainage

As previously indicated, the retaining wall design parameters are based upon drained backfill conditions. Consequently, some form of permanent drainage system will be necessary in conjunction with the appropriate backfill material. Subsurface drainage may consist of either:

- A weep hole drainage system typically consisting of a series of 2-inch diameter holes in the wall situated slightly above the ground surface elevation on the exposed side of the wall and at an approximate 10-foot on-center spacing. Alternatively, 4-inch diameter holes at an approximate 20-foot on-center spacing can be used for this type of drainage system. In addition, the weep holes should include a 2 cubic foot pocket of open graded gravel, surrounded by an approved geotextile fabric, at each weep hole location.

- A 4-inch diameter perforated pipe surrounded by 2 cubic feet of gravel per linear foot of drain placed behind the wall, above the retaining wall footing. The gravel layer should be wrapped in a suitable geotextile fabric to reduce the potential for migration of fines. The footing drain should be extended to daylight or tied into a storm drainage system. The actual design of this type of system should be determined by the civil engineer to verify that the drainage system possesses the adequate capacity and slope for its intended use.

6.8 Pavement Design Parameters

Site preparation in the pavement area should be completed as previously recommended in the ***Site Grading Recommendations*** section of this report. The subsequent pavement recommendations assume proper drainage and construction monitoring, and are based on either PCA or CALTRANS design parameters for a twenty (20) year design period. However, these designs also assume a routine pavement maintenance program to obtain the anticipated 20-year pavement service life.

Pavement Subgrades

It is anticipated that the new pavements will be primarily supported on a layer of compacted structural fill, consisting of scarified, thoroughly moisture conditioned and recompacted existing soils. The on-site soils generally consist of sandy silts, silty sands and clayey sands. These soils are generally considered to possess fair to good pavement support characteristics with estimated R-values of 30 to 40. Since R-value testing was outside the scope of services, the subsequent pavement design is therefore based upon an assumed R-value of 30. Any fill material imported to the site should have support characteristics equal to or greater than that of the on-site soils and be placed and compacted under engineering controlled conditions. It is recommended that R-value testing be performed after completion of rough grading. Depending upon the results of the R-value testing, it may be feasible to use thinner pavement sections in some areas of the site.

Asphaltic Concrete

Presented below are the recommended thicknesses for new flexible pavement structures consisting of asphaltic concrete over a granular base. The pavement designs are based on the traffic indices (TI's) indicated. The client and/or civil engineer should verify that these TI's are representative of the anticipated traffic volumes. If the client and/or civil engineer determine that the expected traffic volume will exceed the applicable traffic index, we should be contacted for supplementary recommendations. The design traffic indices equate to the following approximate daily traffic volumes over a 20 year design life, assuming six operational traffic days per week.

Traffic Index	No. of Heavy Trucks per Day
4.0	0
5.0	1
6.0	3
7.0	11
8.0	35
9.0	93

For the purpose of the traffic volumes indicated above, a truck is defined as a 5-axle tractor trailer unit with one 8-kip axle and two 32-kip tandem axles. All of the traffic indices allow for 1,000 automobiles per day.
automobiles per day.

ASPHALT PAVEMENTS (R=30)					
Materials	**Thickness (inches)**				
	Auto Parking and Auto Drive Lanes (TI = 4.0 to 5.0)	Truck Traffic			
		TI = 6.0	TI = 7.0	TI = 8.0	TI = 9.0
Asphalt Concrete	3	3½	4	5	5½
Aggregate Base	6	8	10	11	13
Compacted Subgrade	12	12	12	12	12

The aggregate base course should be compacted to at least 95 percent of the ASTM D-1557 maximum dry density. The asphaltic concrete should be compacted to at least 95 percent of the Marshall maximum density, as determined by ASTM D-2726. The aggregate base course may consist of crushed aggregate base (CAB) or crushed miscellaneous base (CMB), which is a recycled gravel, asphalt and concrete material. The gradation, R-Value, Sand Equivalent, and Percentage Wear of the CAB or CMB should comply with appropriate specifications contained in the current edition of the "Greenbook" Standard Specifications for Public Works Construction.

Portland Cement Concrete

The preparation of the subgrade soils within concrete pavement areas should be performed as previously described for proposed asphalt pavement areas. The minimum recommended thicknesses for the Portland Cement Concrete pavement sections are as follows:

PORTLAND CEMENT CONCRETE PAVEMENTS (R=30)				
Materials	**Thickness (inches)**			
	Autos and Light Truck Traffic (TI = 5.0 to 6.0)	Truck Traffic		
		TI = 7.0	TI = 8.0	TI = 9.0
PCC	5	5½	6½	8
Compacted Subgrade (95% minimum compaction)	12	12	12	12

The concrete should have a 28-day compressive strength of at least 3,000 psi. The maximum joint spacing within all of the PCC pavements is recommended to be equal to or less than 30 times the pavement thickness.

7.0 GENERAL COMMENTS

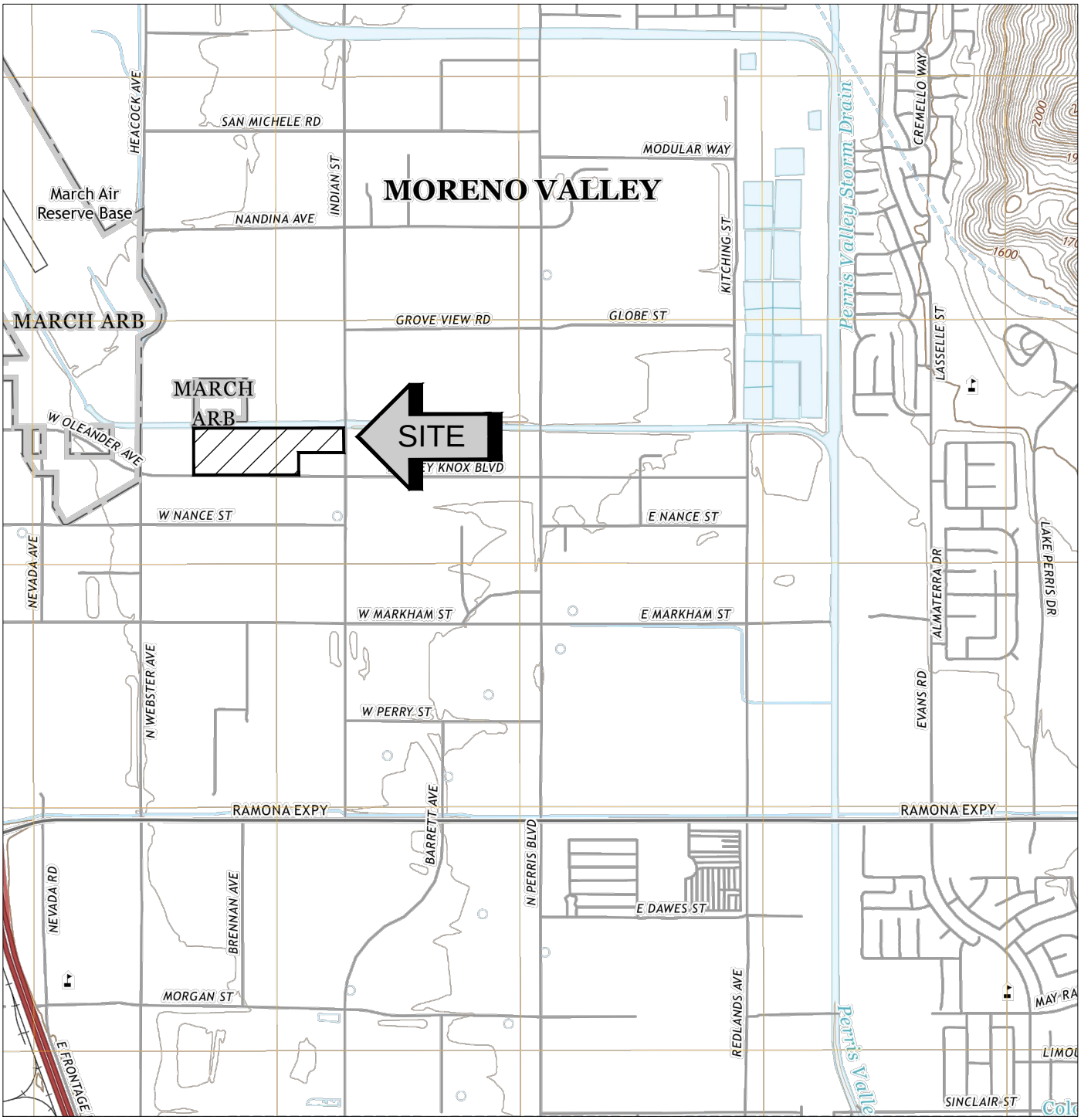
This report has been prepared as an instrument of service for use by the client, in order to aid in the evaluation of this property and to assist the architects and engineers in the design and preparation of the project plans and specifications. This report may be provided to the contractor(s) and other design consultants to disclose information relative to the project. However, this report is not intended to be utilized as a specification in and of itself, without appropriate interpretation by the project architect, civil engineer, and/or structural engineer. The reproduction and distribution of this report must be authorized by the client and Southern California Geotechnical, Inc. Furthermore, any reliance on this report by an unauthorized third party is at such party's sole risk, and we accept no responsibility for damage or loss which may occur. The client(s)' reliance upon this report is subject to the Engineering Services Agreement, incorporated into our proposal for this project.

The analysis of this site was based on a subsurface profile interpolated from limited discrete soil samples. While the materials encountered in the project area are considered to be representative of the total area, some variations should be expected between boring locations and sample depths. If the conditions encountered during construction vary significantly from those detailed herein, we should be contacted immediately to determine if the conditions alter the recommendations contained herein.

This report has been based on assumed or provided characteristics of the proposed development. It is recommended that the owner, client, architect, structural engineer, and civil engineer carefully review these assumptions to ensure that they are consistent with the characteristics of the proposed development. If discrepancies exist, they should be brought to our attention to verify that they do not affect the conclusions and recommendations contained herein. We also recommend that the project plans and specifications be submitted to our office for review to verify that our recommendations have been correctly interpreted.

The analysis, conclusions, and recommendations contained within this report have been promulgated in accordance with generally accepted professional geotechnical engineering practice. No other warranty is implied or expressed.

APPENDIX A



SOURCE: USGS TOPOGRAPHIC MAP OF THE PERRIS QUADRANGLE, LOS ANGELES COUNTY, CALIFORNIA, 2021.

SITE LOCATION MAP

PROPOSED WAREHOUSE

PERRIS, CALIFORNIA

SCALE: 1" = 2000'	
DRAWN: JAH CHKD: PM	
SCG PROJECT 22G106-1	
PLATE 1	

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL



NOTE: CONCEPTUAL SITE PLAN PREPARED BY HPA ARCHITECTS.
AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH.

GEOTECHNICAL LEGEND

- APPROXIMATE BORING LOCATION
- PROPOSED BUILDING OUTLINE
- PROPERTY LINE

NORTH

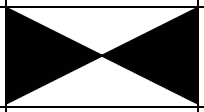
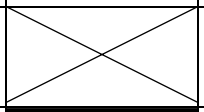
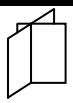
BORING LOCATION PLAN
PROPOSED WAREHOUSE
PERRIS, CALIFORNIA

SCALE: 1" = 150'	
DRAWN: MD CHKD: RGT	
SCG PROJECT 22G106-1	
PLATE 2	

SOUTHERN CALIFORNIA GEOTECHNICAL

APPENDIX B

BORING LOG LEGEND

SAMPLE TYPE	GRAPHICAL SYMBOL	SAMPLE DESCRIPTION
AUGER		SAMPLE COLLECTED FROM AUGER CUTTINGS, NO FIELD MEASUREMENT OF SOIL STRENGTH. (DISTURBED)
CORE		ROCK CORE SAMPLE: TYPICALLY TAKEN WITH A DIAMOND-TIPPED CORE BARREL. TYPICALLY USED ONLY IN HIGHLY CONSOLIDATED BEDROCK.
GRAB		SOIL SAMPLE TAKEN WITH NO SPECIALIZED EQUIPMENT, SUCH AS FROM A STOCKPILE OR THE GROUND SURFACE. (DISTURBED)
CS		CALIFORNIA SAMPLER: 2-1/2 INCH I.D. SPLIT BARREL SAMPLER, LINED WITH 1-INCH HIGH BRASS RINGS. DRIVEN WITH SPT HAMMER. (RELATIVELY UNDISTURBED)
NSR		NO RECOVERY: THE SAMPLING ATTEMPT DID NOT RESULT IN RECOVERY OF ANY SIGNIFICANT SOIL OR ROCK MATERIAL.
SPT		STANDARD PENETRATION TEST: SAMPLER IS A 1.4 INCH INSIDE DIAMETER SPLIT BARREL, DRIVEN 18 INCHES WITH THE SPT HAMMER. (DISTURBED)
SH		SHELBY TUBE: TAKEN WITH A THIN WALL SAMPLE TUBE, PUSHED INTO THE SOIL AND THEN EXTRACTED. (UNDISTURBED)
VANE		VANE SHEAR TEST: SOIL STRENGTH OBTAINED USING A 4 BLADED SHEAR DEVICE. TYPICALLY USED IN SOFT CLAYS-NO SAMPLE RECOVERED.

COLUMN DESCRIPTIONS

DEPTH: Distance in feet below the ground surface.

SAMPLE: Sample Type as depicted above.

BLOW COUNT: Number of blows required to advance the sampler 12 inches using a 140 lb hammer with a 30-inch drop. 50/3" indicates penetration refusal (>50 blows) at 3 inches. WH indicates that the weight of the hammer was sufficient to push the sampler 6 inches or more.

POCKET PEN.: Approximate shear strength of a cohesive soil sample as measured by pocket penetrometer.

GRAPHIC LOG: Graphic Soil Symbol as depicted on the following page.

DRY DENSITY: Dry density of an undisturbed or relatively undisturbed sample in lbs/ft^3.

MOISTURE CONTENT: Moisture content of a soil sample, expressed as a percentage of the dry weight.

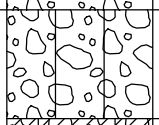
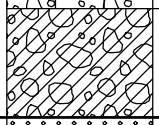
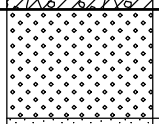
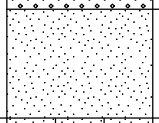
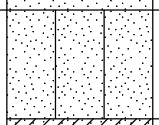
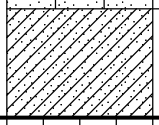
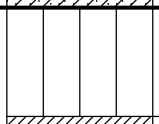
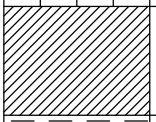
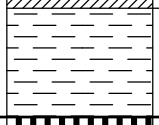
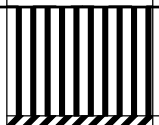
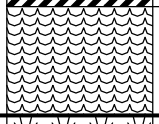
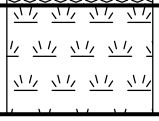
LIQUID LIMIT: The moisture content above which a soil behaves as a liquid.

PLASTIC LIMIT: The moisture content above which a soil behaves as a plastic.

PASSING #200 SIEVE: The percentage of the sample finer than the #200 standard sieve.

UNCONFINED SHEAR: The shear strength of a cohesive soil sample, as measured in the unconfined state.

SOIL CLASSIFICATION CHART

MAJOR DIVISIONS			SYMBOLS		TYPICAL DESCRIPTIONS
			GRAPH	LETTER	
COARSE GRAINED SOILS MORE THAN 50% OF MATERIAL IS LARGER THAN NO. 200 SIEVE SIZE	GRAVEL AND GRAVELLY SOILS MORE THAN 50% OF COARSE FRACTION RETAINED ON NO. 4 SIEVE	CLEAN GRAVELS (LITTLE OR NO FINES)		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
				GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES, LITTLE OR NO FINES
		GRAVELS WITH FINES (APPRECIABLE AMOUNT OF FINES)		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
	SAND AND SANDY SOILS MORE THAN 50% OF COARSE FRACTION PASSING ON NO. 4 SIEVE	CLEAN SANDS (LITTLE OR NO FINES)		SW	WELL-GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES
				SP	POORLY-GRADED SANDS, GRAVELLY SAND, LITTLE OR NO FINES
		SANDS WITH FINES (APPRECIABLE AMOUNT OF FINES)		SM	SILTY SANDS, SAND - SILT MIXTURES
				SC	CLAYEY SANDS, SAND - CLAY MIXTURES
FINE GRAINED SOILS MORE THAN 50% OF MATERIAL IS SMALLER THAN NO. 200 SIEVE SIZE	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY OR CLAYEY FINE SANDS OR CLAYEY SILTS WITH SLIGHT PLASTICITY
				CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILTY SOILS
				CH	INORGANIC CLAYS OF HIGH PLASTICITY
				OH	ORGANIC CLAYS OF MEDIUM TO HIGH PLASTICITY, ORGANIC SILTS
HIGHLY ORGANIC SOILS				PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: DUAL SYMBOLS ARE USED TO INDICATE BORDERLINE SOIL CLASSIFICATIONS

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-1

JOB NO.: 22G106-1
PROJECT: Proposed Warehouse
LOCATION: Perris, California

DRILLING DATE: 1/14/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Jamie Hayward

WATER DEPTH: Dry
CAVE DEPTH: 22 feet
READING TAKEN: At Completion

FIELD RESULTS					DESCRIPTION	LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		18			ALLUVIUM: Brown to Dark Brown fine Sandy Silt, little Clay, trace medium Sand, medium dense-damp to moist		8					
		32	4.5		Brown Silty Clay, little fine Sand, slightly cemented, hard-damp		8					
5		69/10"			OLDER ALLUVIUM: Brown fine Sandy Silt, trace to little Clay, very dense-damp to moist		7					
		69			@ 8 feet, trace medium Sand		13					
10					Brown Silty fine to medium Sand, trace coarse Sand, dense-damp		6					
15		31										
		22			Brown fine Sandy Silt, trace to little Clay, medium dense-moist		11					
20					Brown Silty fine to medium Sand, trace to little coarse Sand, dense-moist		11					
		30										
25					Boring Terminated at 25'							

TBL 22G106-1.GPJ SOCALGEO.GDT 2/18/22

TEST BORING LOG

PLATE B-1

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-2

JOB NO.: 22G106-1
PROJECT: Proposed Warehouse
LOCATION: Perris, California

DRILLING DATE: 1/14/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Jamie Hayward

WATER DEPTH: Dry
CAVE DEPTH: 18 feet
READING TAKEN: At Completion

FIELD RESULTS					DESCRIPTION	LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		40			ALLUVIUM: Brown Silty fine to medium Sand, slightly cemented, medium dense-damp	117	6					
		19				110	3					
5		14			Brown to Red Brown fine to coarse Sand, trace Silt, loose-damp	110	3					
		37	4.5		OLDER ALLUVIUM: Brown fine Sandy Clay, little medium Sand, very stiff-moist	121	11					
		34			Gray Brown to Brown Silty fine to medium Sand, medium dense-damp to moist	117	8					
10												
		27	3.5		Brown Silty Clay, little fine Sand, trace medium Sand, very stiff-moist to very moist		14					
15												
		26			Brown fine Sandy Silt, little Clay, little medium Sand, medium dense-very moist		14					
20					Boring Terminated at 20'							

TBL 22G106-1.GPJ SOCALGEO.GDT 2/18/22

TEST BORING LOG **PLATE B-2**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-3

JOB NO.: 22G106-1
PROJECT: Proposed Warehouse
LOCATION: Perris, California

DRILLING DATE: 1/14/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Jamie Hayward

WATER DEPTH: Dry
CAVE DEPTH: 14 feet
READING TAKEN: At Completion

FIELD RESULTS					DESCRIPTION	LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		66	4.5		ALLUVIUM: Light Brown Silty Clay, little fine Sand, trace medium Sand, slightly cemented, very stiff to hard-damp	104	7					
		36	4.5			109	7					
5		32			OLDER ALLUVIUM: Brown fine Sandy Silt, little Clay, slightly cemented, medium dense to very dense-damp to moist	112	9					
		50/5"				103	11					
10		50/5"				113	11					
		49			Brown Silty fine to coarse Sand, little Clay, dense-damp to moist		9					
15					Boring Terminated at 15'							

TBL 22G106-1.GPJ SOCALGEO.GDT 2/18/22

TEST BORING LOG

PLATE B-3

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-4

JOB NO.: 22G106-1
PROJECT: Proposed Warehouse
LOCATION: Perris, California

DRILLING DATE: 1/14/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Jamie Hayward

WATER DEPTH: Dry
CAVE DEPTH: 13 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		21			ALLUVIUM: Brown Silty fine to medium Sand, slightly cemented, medium dense-damp		5					
		18			@ 3½ feet, little Clay		5					
5												
		16			Gray Brown fine to coarse Sand, little Silt, medium dense-damp		4					
		32			OLDER ALLUVIUM: Brown Clayey fine to coarse Sand, dense-damp		6					
10												
					Brown fine Sandy Silt, little Clay, dense-very moist							
		31					15					
15					Boring Terminated at 15'							

TBL 22G106-1.GPJ SOCALGEO.GDT 2/18/22

TEST BORING LOG

PLATE B-4

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-5

JOB NO.: 22G106-1
PROJECT: Proposed Warehouse
LOCATION: Perris, California

DRILLING DATE: 1/14/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Jamie Hayward

WATER DEPTH: Dry
CAVE DEPTH: 17 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		45			ALLUVIUM: Brown Silty fine Sand to fine Sandy Silt, trace fine root fibers, dense-damp to moist	106	8					EI = 43 @ 0 to 5 feet
		58			Light Brown Clayey fine Sand, little Silt, little medium Sand, slightly cemented, dense-damp @ 3 to 6 feet, trace Calcareous veining, slightly porous	116	6					
5		66				114	6					
		50/5"	4.5		OLDER ALLUVIUM: Brown fine Sandy Clay, cemented, very stiff to hard-damp	112	6					
		54	4.5			121	7					
10												
		18			Brown fine Sandy Silt, trace to little Clay, medium dense-very moist		14					
15												
		26			Brown fine to coarse Sand, little Clay, medium dense-damp		4					
20												
					Boring Terminated at 20'							

TBL 22G106-1.GPJ SOCALGEO.GDT 2/18/22

TEST BORING LOG **PLATE B-5**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-6

JOB NO.: 22G106-1
PROJECT: Proposed Warehouse
LOCATION: Perris, California

DRILLING DATE: 1/14/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Jamie Hayward

WATER DEPTH: Dry
CAVE DEPTH: 23 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
					ALLUVIUM: Brown Silty fine Sand to fine Sandy Silt, little to some Clay, trace medium Sand, medium dense to dense-damp							
		20					7					
		36					5					
5		27					7					
					OLDER ALLUVIUM: Brown fine Sandy Silt, little Calcareous veining, cemented, medium dense to very dense-moist to very moist							
		87/11"					10					
10												
		30					12					
15												
		11			@ 18½ to 25 feet, little Clay		12					
20												
		25					16					
25					Boring Terminated at 25'							

TBL 22G106-1.GPJ SOCALGEO.GDT 2/18/22

TEST BORING LOG **PLATE B-6**

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-7

JOB NO.: 22G106-1
PROJECT: Proposed Warehouse
LOCATION: Perris, California

DRILLING DATE: 1/14/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Jamie Hayward

WATER DEPTH: Dry
CAVE DEPTH: 18 feet
READING TAKEN: At Completion

FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		28			ALLUVIUM: Brown fine Sandy Silt to Silty fine Sand, trace medium Sand, slightly cemented, medium dense-damp		5					
		21			Brown Silty fine to medium Sand, little Clay, cemented, medium dense-damp		3					
5		30	4.5		OLDER ALLUVIUM: Brown fine Sandy Clay, little Silt, little medium Sand, cemented, very stiff to hard-damp		6					
		41			Brown fine Sandy Silt, trace Clay, trace medium Sand, medium dense to dense-moist to very moist		12					
10												
		20					12					
15												
		15	2.5		Brown Silty Clay, little fine Sand, little Iron oxide staining, stiff to very stiff-moist to very moist		15					
20					Boring Terminated at 20'							

TBL 22G106-1.GPJ SOCALGEO.GDT 2/18/22

TEST BORING LOG

PLATE B-7

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

BORING NO. B-8

JOB NO.: 22G106-1
PROJECT: Proposed Warehouse
LOCATION: Perris, California

DRILLING DATE: 1/14/22
DRILLING METHOD: Hollow Stem Auger
LOGGED BY: Jamie Hayward

WATER DEPTH: Dry
CAVE DEPTH: 8 feet
READING TAKEN: At Completion

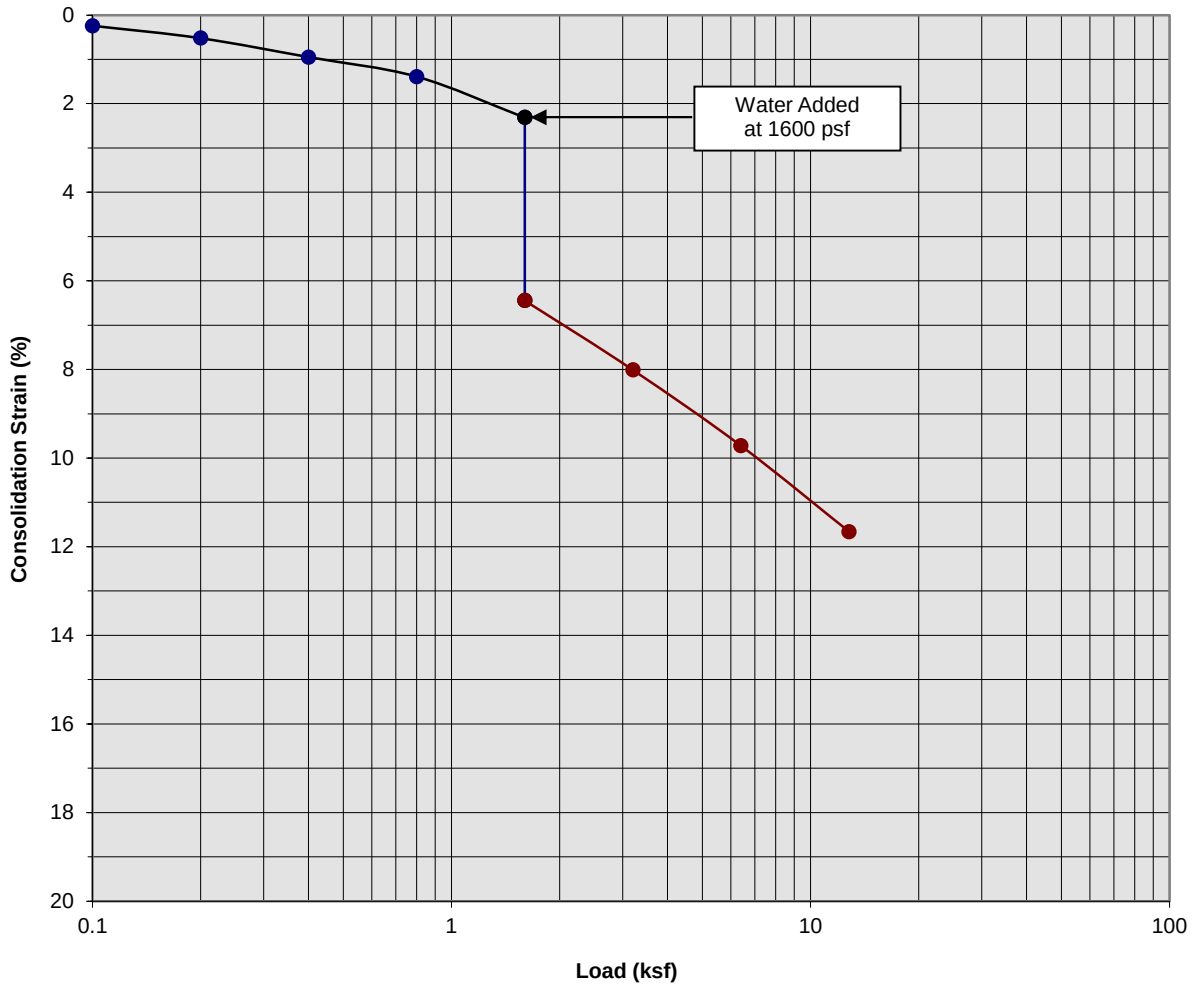
FIELD RESULTS						LABORATORY RESULTS						
DEPTH (FEET)	SAMPLE	BLOW COUNT	POCKET PEN. (TSF)	GRAPHIC LOG	DESCRIPTION SURFACE ELEVATION: --- MSL	DRY DENSITY (PCF)	MOISTURE CONTENT (%)	LIQUID LIMIT	PLASTIC LIMIT	PASSING #200 SIEVE (%)	ORGANIC CONTENT (%)	COMMENTS
		26			ALLUVIUM: Brown fine Sandy Silt, trace medium Sand, medium dense-damp to moist		9					
					Gray Brown Silty fine Sand to fine Sandy Silt, medium dense-damp		4					
		35			OLDER ALLUVIUM: Brown fine Sandy Silt, trace medium Sand, slightly cemented, dense-damp		6					
5												
		37			Brown fine Sandy Clay, some Silt, trace medium Sand, cemented, hard-damp		9					
		27			Brown to Red Brown fine to coarse Sand, trace Silt, medium dense-damp		3					
10												
					Boring Terminated at 10'							

TBL 22G106-1.GPJ SOCALGEO.GDT 2/18/22

TEST BORING LOG **PLATE B-8**

APPENDIX C

Consolidation/Collapse Test Results



Classification: Brown Silty fine to medium Sand

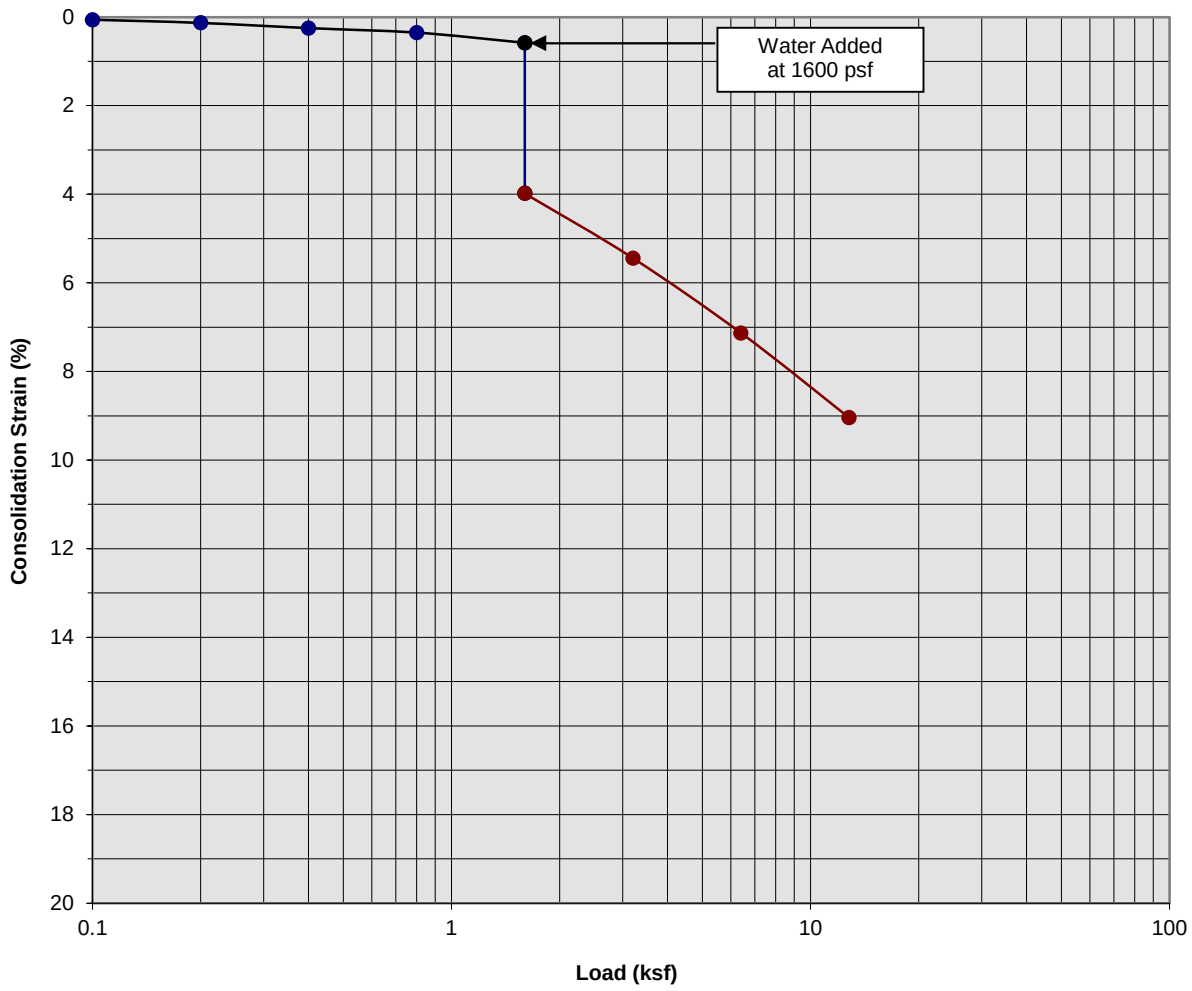
Boring Number:	B-2	Initial Moisture Content (%)	3
Sample Number:	---	Final Moisture Content (%)	11
Depth (ft)	3 to 4	Initial Dry Density (pcf)	110.0
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	124.5
Specimen Thickness (in)	1.0	Percent Collapse (%)	4.13

Proposed Warehouse
Perris, California
Project No. 22G106

PLATE C-1

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Brown to Red Brown fine to coarse Sand, trace Silt

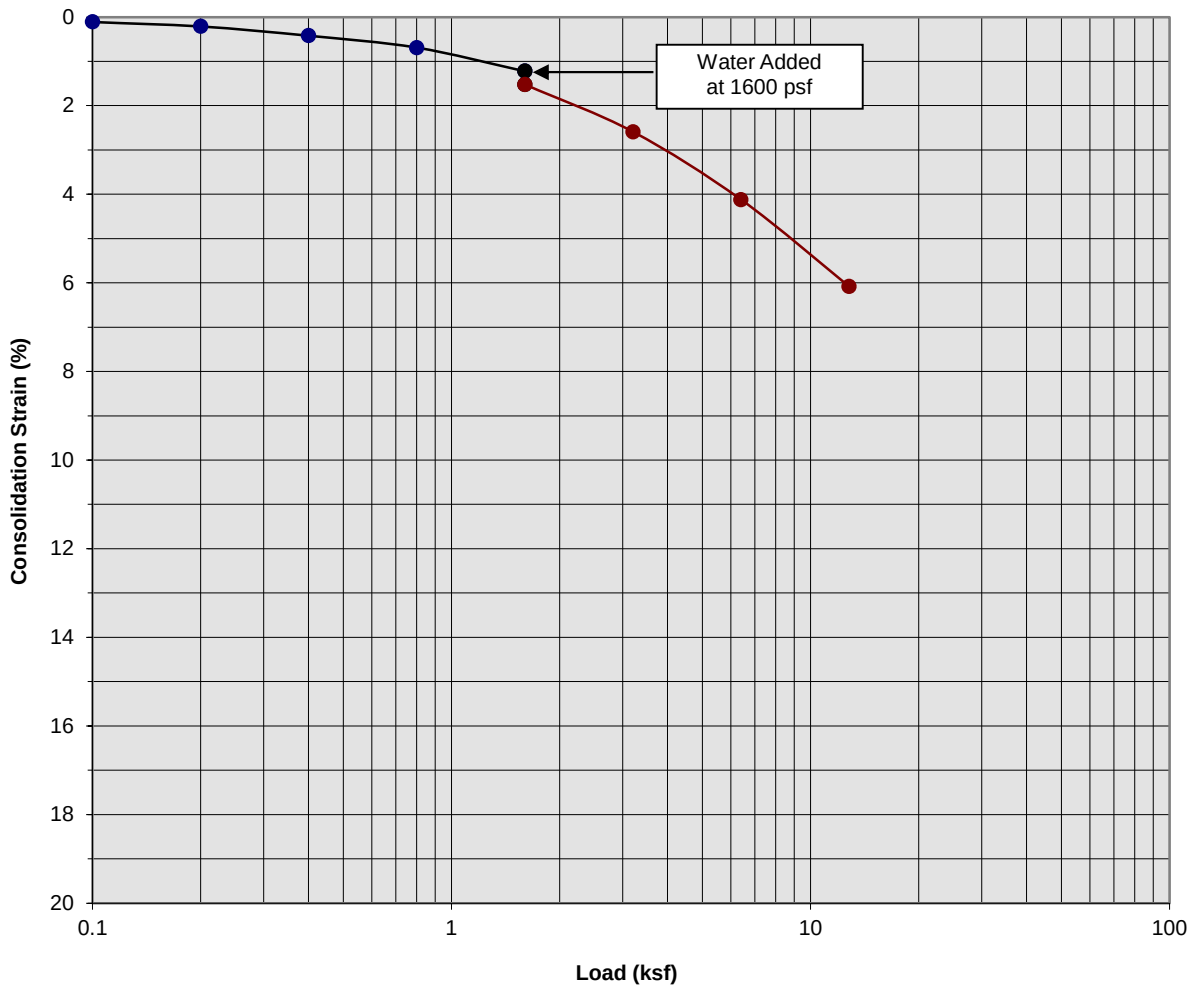
Boring Number:	B-2	Initial Moisture Content (%)	3
Sample Number:	---	Final Moisture Content (%)	13
Depth (ft)	5 to 6	Initial Dry Density (pcf)	110.0
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	120.5
Specimen Thickness (in)	1.0	Percent Collapse (%)	3.40

Proposed Warehouse
Perris, California
Project No. 22G106

PLATE C-2

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Brown fine Sandy Clay, little medium Sand

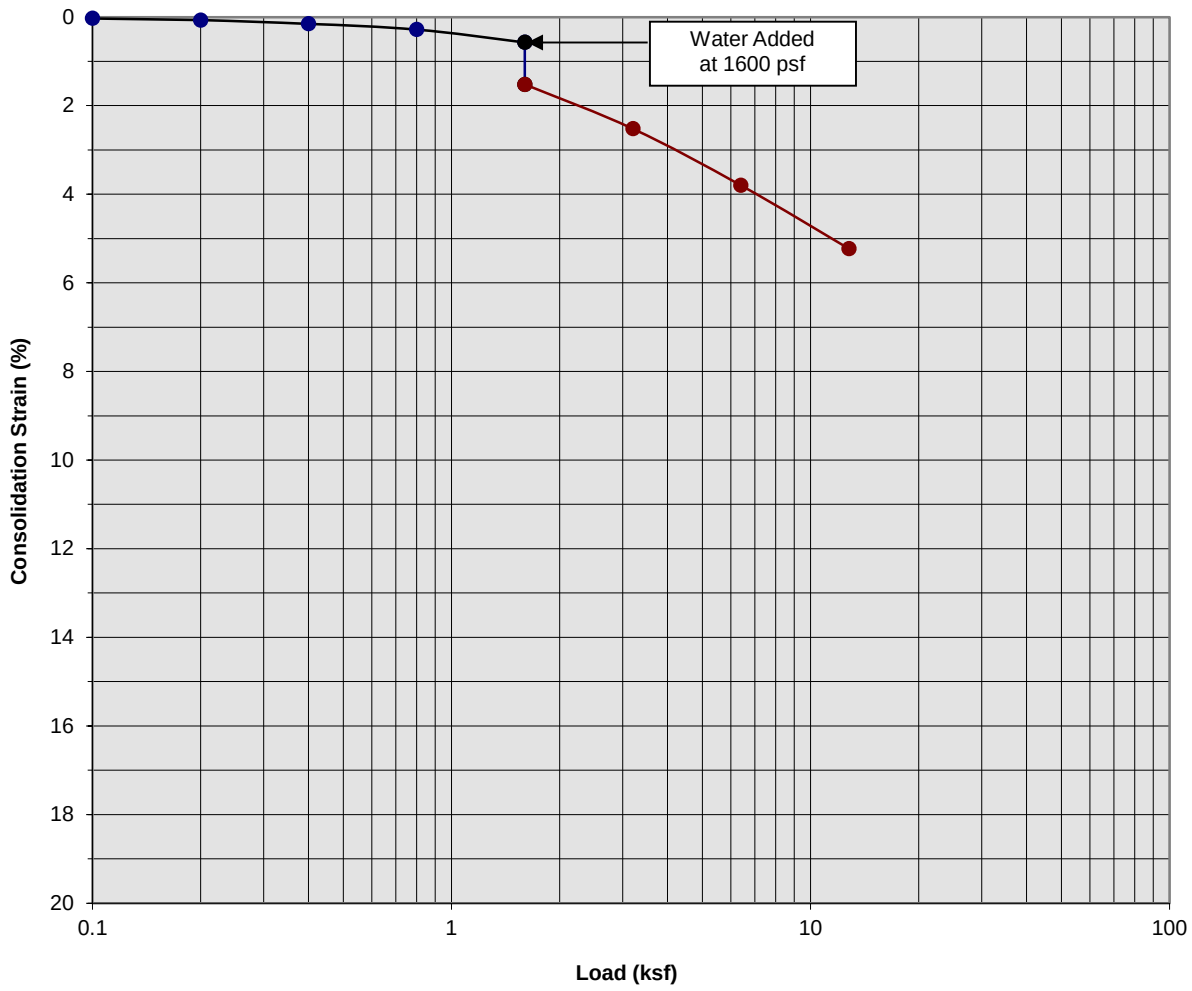
Boring Number:	B-2	Initial Moisture Content (%)	11
Sample Number:	---	Final Moisture Content (%)	13
Depth (ft)	7 to 8	Initial Dry Density (pcf)	121.0
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	128.7
Specimen Thickness (in)	1.0	Percent Collapse (%)	0.30

Proposed Warehouse
Perris, California
Project No. 22G106

PLATE C-3

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Consolidation/Collapse Test Results



Classification: Gray Brown to Brown Silty fine to medium Sand

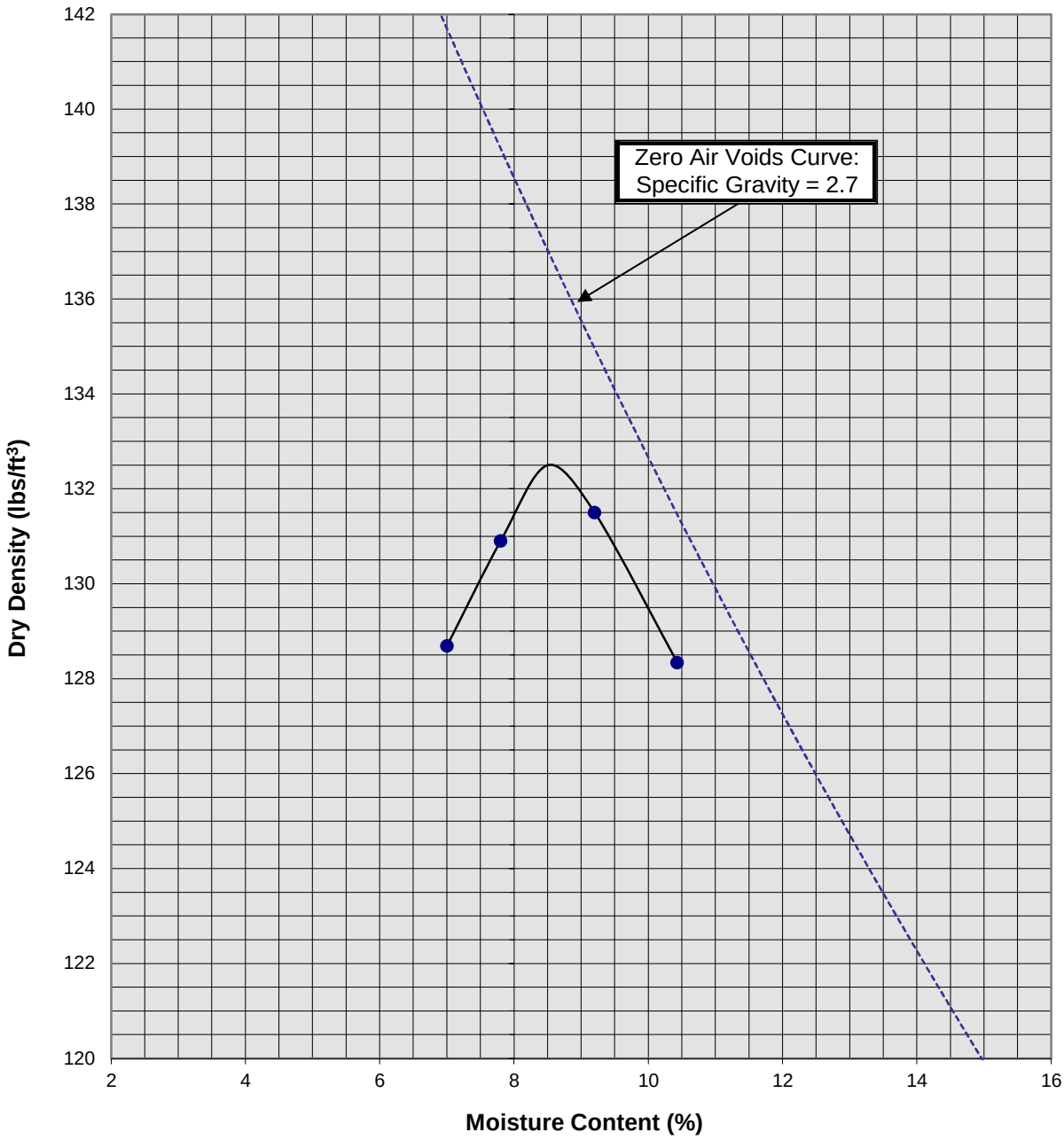
Boring Number:	B-2	Initial Moisture Content (%)	8
Sample Number:	---	Final Moisture Content (%)	12
Depth (ft)	9 to 10	Initial Dry Density (pcf)	117.0
Specimen Diameter (in)	2.4	Final Dry Density (pcf)	123.1
Specimen Thickness (in)	1.0	Percent Collapse (%)	0.95

Proposed Warehouse
Perris, California
Project No. 22G106

PLATE C-4

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Moisture/Density Relationship
ASTM D-1557



Soil ID Number	B-6 @ 0-5'
Optimum Moisture (%)	8.5
Maximum Dry Density (pcf)	132.5
Soil Classification	Brown Silty fine Sand, some Clay, trace medium Sand

Proposed Warehouse
Perris, California
Project No. 22G106-1

PLATE C-5

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

APPENDIX D

GRADING GUIDE SPECIFICATIONS

These grading guide specifications are intended to provide typical procedures for grading operations. They are intended to supplement the recommendations contained in the geotechnical investigation report for this project. Should the recommendations in the geotechnical investigation report conflict with the grading guide specifications, the more site specific recommendations in the geotechnical investigation report will govern.

General

- The Earthwork Contractor is responsible for the satisfactory completion of all earthwork in accordance with the plans and geotechnical reports, and in accordance with city, county, and applicable building codes.

- The Geotechnical Engineer is the representative of the Owner/Builder for the purpose of implementing the report recommendations and guidelines. These duties are not intended to relieve the Earthwork Contractor of any responsibility to perform in a workman-like manner, nor is the Geotechnical Engineer to direct the grading equipment or personnel employed by the Contractor.

- The Earthwork Contractor is required to notify the Geotechnical Engineer of the anticipated work and schedule so that testing and inspections can be provided. If necessary, work may be stopped and redone if personnel have not been scheduled in advance.

- The Earthwork Contractor is required to have suitable and sufficient equipment on the job-site to process, moisture condition, mix and compact the amount of fill being placed to the approved compaction. In addition, suitable support equipment should be available to conform with recommendations and guidelines in this report.

- Canyon cleanouts, overexcavation areas, processed ground to receive fill, key excavations, subdrains and benches should be observed by the Geotechnical Engineer prior to placement of any fill. It is the Earthwork Contractor's responsibility to notify the Geotechnical Engineer of areas that are ready for inspection.

- Excavation, filling, and subgrade preparation should be performed in a manner and sequence that will provide drainage at all times and proper control of erosion. Precipitation, springs, and seepage water encountered shall be pumped or drained to provide a suitable working surface. The Geotechnical Engineer must be informed of springs or water seepage encountered during grading or foundation construction for possible revision to the recommended construction procedures and/or installation of subdrains.

Site Preparation

- The Earthwork Contractor is responsible for all clearing, grubbing, stripping and site preparation for the project in accordance with the recommendations of the Geotechnical Engineer.

- If any materials or areas are encountered by the Earthwork Contractor which are suspected of having toxic or environmentally sensitive contamination, the Geotechnical Engineer and Owner/Builder should be notified immediately.

- Major vegetation should be stripped and disposed of off-site. This includes trees, brush, heavy grasses and any materials considered unsuitable by the Geotechnical Engineer.

- Underground structures such as basements, cesspools or septic disposal systems, mining shafts, tunnels, wells and pipelines should be removed under the inspection of the Geotechnical Engineer and recommendations provided by the Geotechnical Engineer and/or city, county or state agencies. If such structures are known or found, the Geotechnical Engineer should be notified as soon as possible so that recommendations can be formulated.

- Any topsoil, slopewash, colluvium, alluvium and rock materials which are considered unsuitable by the Geotechnical Engineer should be removed prior to fill placement.

- Remaining voids created during site clearing caused by removal of trees, foundations basements, irrigation facilities, etc., should be excavated and filled with compacted fill.

- Subsequent to clearing and removals, areas to receive fill should be scarified to a depth of 10 to 12 inches, moisture conditioned and compacted

- The moisture condition of the processed ground should be at or slightly above the optimum moisture content as determined by the Geotechnical Engineer. Depending upon field conditions, this may require air drying or watering together with mixing and/or discing.

Compacted Fills

- Soil materials imported to or excavated on the property may be utilized in the fill, provided each material has been determined to be suitable in the opinion of the Geotechnical Engineer. Unless otherwise approved by the Geotechnical Engineer, all fill materials shall be free of deleterious, organic, or frozen matter, shall contain no chemicals that may result in the material being classified as “contaminated,” and shall be very low to non-expansive with a maximum expansion index (EI) of 50. The top 12 inches of the compacted fill should have a maximum particle size of 3 inches, and all underlying compacted fill material a maximum 6-inch particle size, except as noted below.

- All soils should be evaluated and tested by the Geotechnical Engineer. Materials with high expansion potential, low strength, poor gradation or containing organic materials may require removal from the site or selective placement and/or mixing to the satisfaction of the Geotechnical Engineer.

- Rock fragments or rocks less than 6 inches in their largest dimensions, or as otherwise determined by the Geotechnical Engineer, may be used in compacted fill, provided the distribution and placement is satisfactory in the opinion of the Geotechnical Engineer.

- Rock fragments or rocks greater than 12 inches should be taken off-site or placed in accordance with recommendations and in areas designated as suitable by the Geotechnical Engineer. These materials should be placed in accordance with Plate D-8 of these Grading Guide Specifications and in accordance with the following recommendations:

    - Rocks 12 inches or more in diameter should be placed in rows at least 15 feet apart, 15 feet from the edge of the fill, and 10 feet or more below subgrade. Spaces should be left between each rock fragment to provide for placement and compaction of soil around the fragments.

    - Fill materials consisting of soil meeting the minimum moisture content requirements and free of oversize material should be placed between and over the rows of rock or

concrete. Ample water and compactive effort should be applied to the fill materials as they are placed in order that all of the voids between each of the fragments are filled and compacted to the specified density.

- Subsequent rows of rocks should be placed such that they are not directly above a row placed in the previous lift of fill. A minimum 5-foot offset between rows is recommended.

- To facilitate future trenching, oversized material should not be placed within the range of foundation excavations, future utilities or other underground construction unless specifically approved by the soil engineer and the developer/owner representative.

- Fill materials approved by the Geotechnical Engineer should be placed in areas previously prepared to receive fill and in evenly placed, near horizontal layers at about 6 to 8 inches in loose thickness, or as otherwise determined by the Geotechnical Engineer for the project.

- Each layer should be moisture conditioned to optimum moisture content, or slightly above, as directed by the Geotechnical Engineer. After proper mixing and/or drying, to evenly distribute the moisture, the layers should be compacted to at least 90 percent of the maximum dry density in compliance with ASTM D-1557-78 unless otherwise indicated.

- Density and moisture content testing should be performed by the Geotechnical Engineer at random intervals and locations as determined by the Geotechnical Engineer. These tests are intended as an aid to the Earthwork Contractor, so he can evaluate his workmanship, equipment effectiveness and site conditions. The Earthwork Contractor is responsible for compaction as required by the Geotechnical Report(s) and governmental agencies.

- Fill areas unused for a period of time may require moisture conditioning, processing and recompaction prior to the start of additional filling. The Earthwork Contractor should notify the Geotechnical Engineer of his intent so that an evaluation can be made.

- Fill placed on ground sloping at a 5-to-1 inclination (horizontal-to-vertical) or steeper should be benched into bedrock or other suitable materials, as directed by the Geotechnical Engineer. Typical details of benching are illustrated on Plates D-2, D-4, and D-5.

- Cut/fill transition lots should have the cut portion overexcavated to a depth of at least 3 feet and rebuilt with fill (see Plate D-1), as determined by the Geotechnical Engineer.

- All cut lots should be inspected by the Geotechnical Engineer for fracturing and other bedrock conditions. If necessary, the pads should be overexcavated to a depth of 3 feet and rebuilt with a uniform, more cohesive soil type to impede moisture penetration.

- Cut portions of pad areas above buttresses or stabilizations should be overexcavated to a depth of 3 feet and rebuilt with uniform, more cohesive compacted fill to impede moisture penetration.

- Non-structural fill adjacent to structural fill should typically be placed in unison to provide lateral support. Backfill along walls must be placed and compacted with care to ensure that excessive unbalanced lateral pressures do not develop. The type of fill material placed adjacent to below grade walls must be properly tested and approved by the Geotechnical Engineer with consideration of the lateral earth pressure used in the design.

Foundations

- The foundation influence zone is defined as extending one foot horizontally from the outside edge of a footing, and proceeding downward at a ½ horizontal to 1 vertical (0.5:1) inclination.

- Where overexcavation beneath a footing subgrade is necessary, it should be conducted so as to encompass the entire foundation influence zone, as described above.

- Compacted fill adjacent to exterior footings should extend at least 12 inches above foundation bearing grade. Compacted fill within the interior of structures should extend to the floor subgrade elevation.

Fill Slopes

- The placement and compaction of fill described above applies to all fill slopes. Slope compaction should be accomplished by overfilling the slope, adequately compacting the fill in even layers, including the overfilled zone and cutting the slope back to expose the compacted core

- Slope compaction may also be achieved by backrolling the slope adequately every 2 to 4 vertical feet during the filling process as well as requiring the earth moving and compaction equipment to work close to the top of the slope. Upon completion of slope construction, the slope face should be compacted with a sheepsfoot connected to a sideboom and then grid rolled. This method of slope compaction should only be used if approved by the Geotechnical Engineer.

- Sandy soils lacking in adequate cohesion may be unstable for a finished slope condition and therefore should not be placed within 15 horizontal feet of the slope face.

- All fill slopes should be keyed into bedrock or other suitable material. Fill keys should be at least 15 feet wide and inclined at 2 percent into the slope. For slopes higher than 30 feet, the fill key width should be equal to one-half the height of the slope (see Plate D-5).

- All fill keys should be cleared of loose slough material prior to geotechnical inspection and should be approved by the Geotechnical Engineer and governmental agencies prior to filling.

- The cut portion of fill over cut slopes should be made first and inspected by the Geotechnical Engineer for possible stabilization requirements. The fill portion should be adequately keyed through all surficial soils and into bedrock or suitable material. Soils should be removed from the transition zone between the cut and fill portions (see Plate D-2).

Cut Slopes

- All cut slopes should be inspected by the Geotechnical Engineer to determine the need for stabilization. The Earthwork Contractor should notify the Geotechnical Engineer when slope cutting is in progress at intervals of 10 vertical feet. Failure to notify may result in a delay in recommendations.

- Cut slopes exposing loose, cohesionless sands should be reported to the Geotechnical Engineer for possible stabilization recommendations.

- All stabilization excavations should be cleared of loose slough material prior to geotechnical inspection. Stakes should be provided by the Civil Engineer to verify the location and dimensions of the key. A typical stabilization fill detail is shown on Plate D-5.

- Stabilization key excavations should be provided with subdrains. Typical subdrain details are shown on Plates D-6.

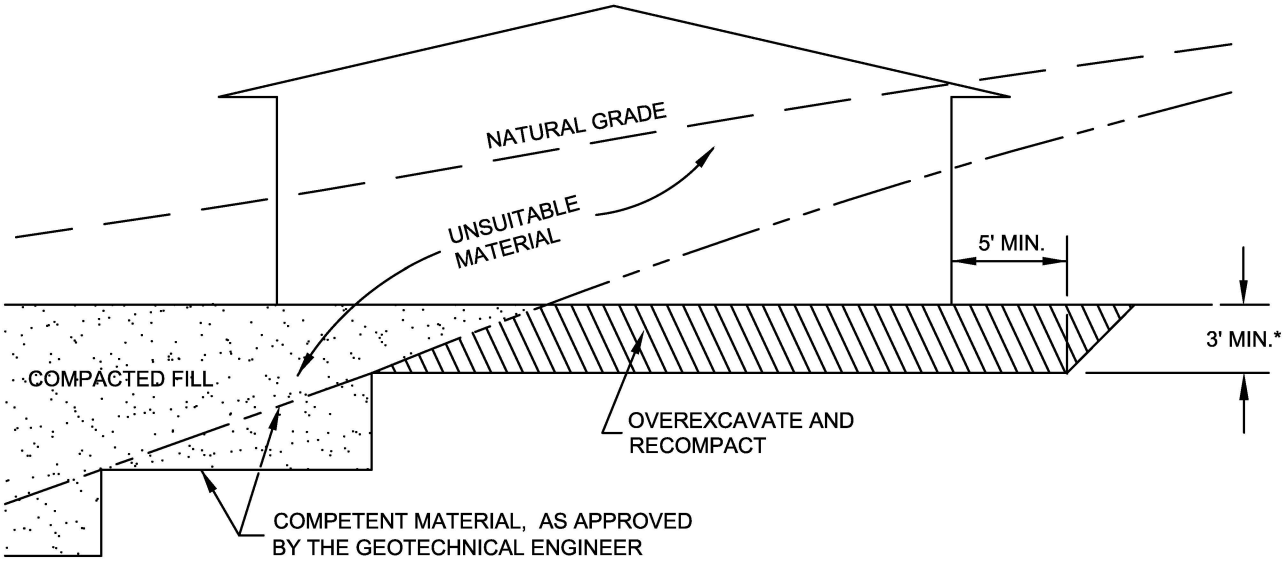
Subdrains

- Subdrains may be required in canyons and swales where fill placement is proposed. Typical subdrain details for canyons are shown on Plate D-3. Subdrains should be installed after approval of removals and before filling, as determined by the Soils Engineer.

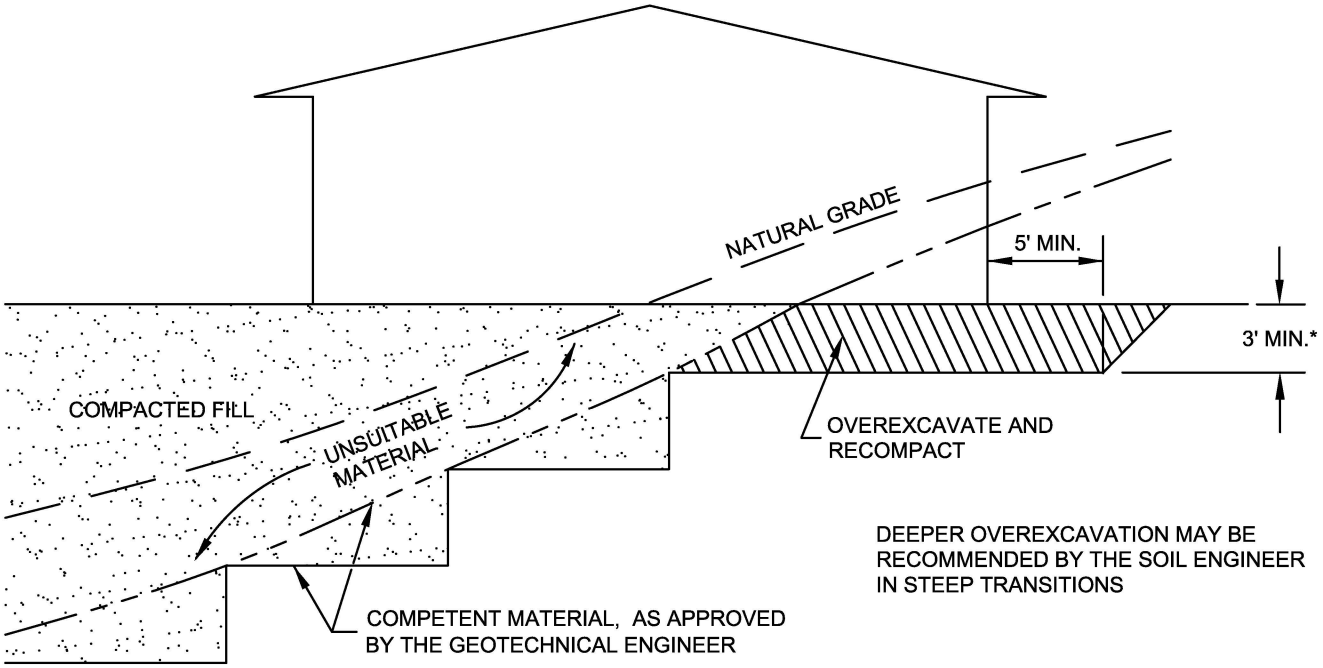
- Plastic pipe may be used for subdrains provided it is Schedule 40 or SDR 35 or equivalent. Pipe should be protected against breakage, typically by placement in a square-cut (backhoe) trench or as recommended by the manufacturer.

- Filter material for subdrains should conform to CALTRANS Specification 68-1.025 or as approved by the Geotechnical Engineer for the specific site conditions. Clean ¾-inch crushed rock may be used provided it is wrapped in an acceptable filter cloth and approved by the Geotechnical Engineer. Pipe diameters should be 6 inches for runs up to 500 feet and 8 inches for the downstream continuations of longer runs. Four-inch diameter pipe may be used in buttress and stabilization fills.

CUT LOT



CUT/FILL LOT (TRANSITION)



*SEE TEXT OF REPORT FOR SPECIFIC RECOMMENDATION. ACTUAL DEPTH OF OVEREXCAVATION MAY BE GREATER.

TRANSITION LOT DETAIL

GRADING GUIDE SPECIFICATIONS

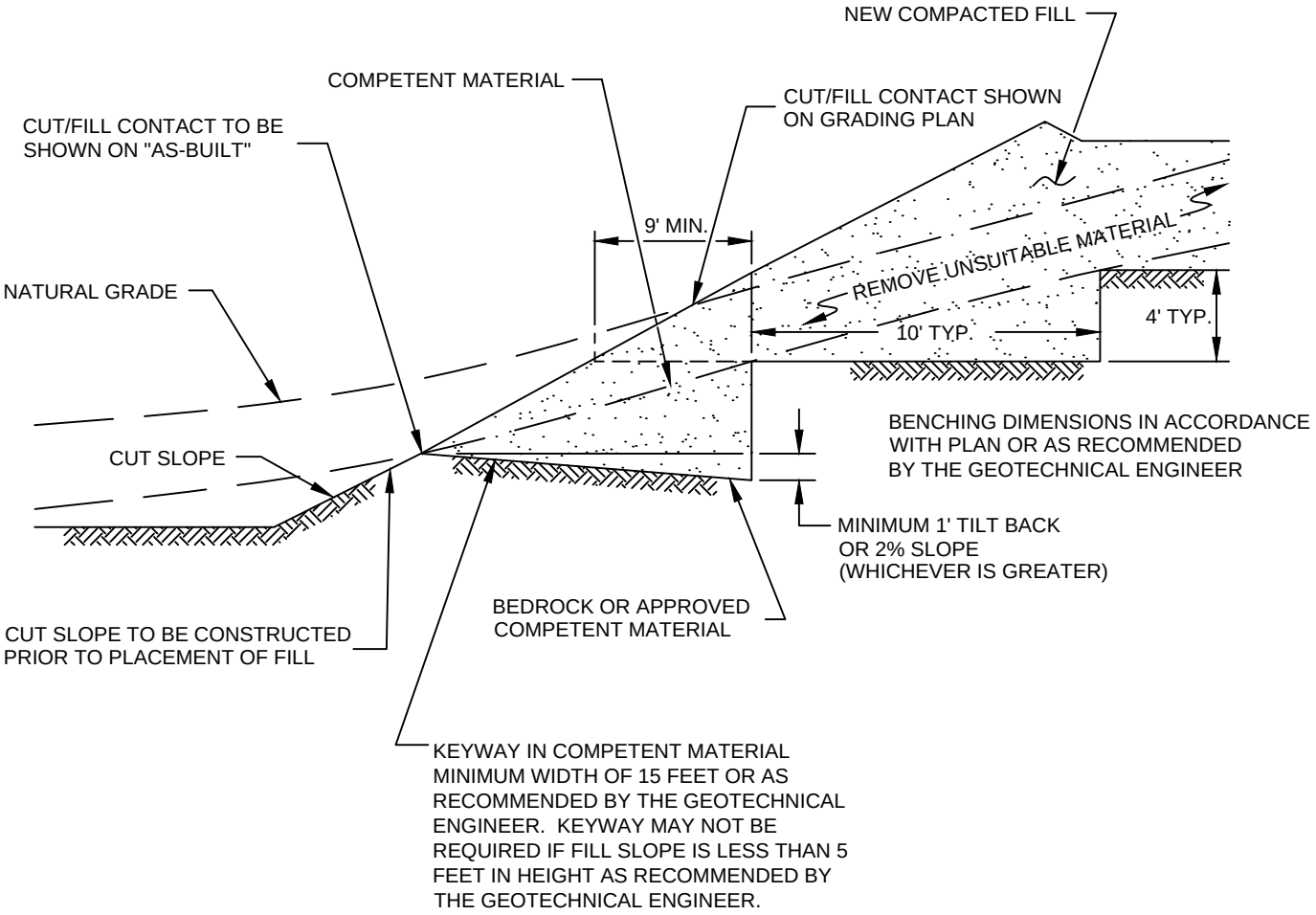
NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-1

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL



FILL ABOVE CUT SLOPE DETAIL

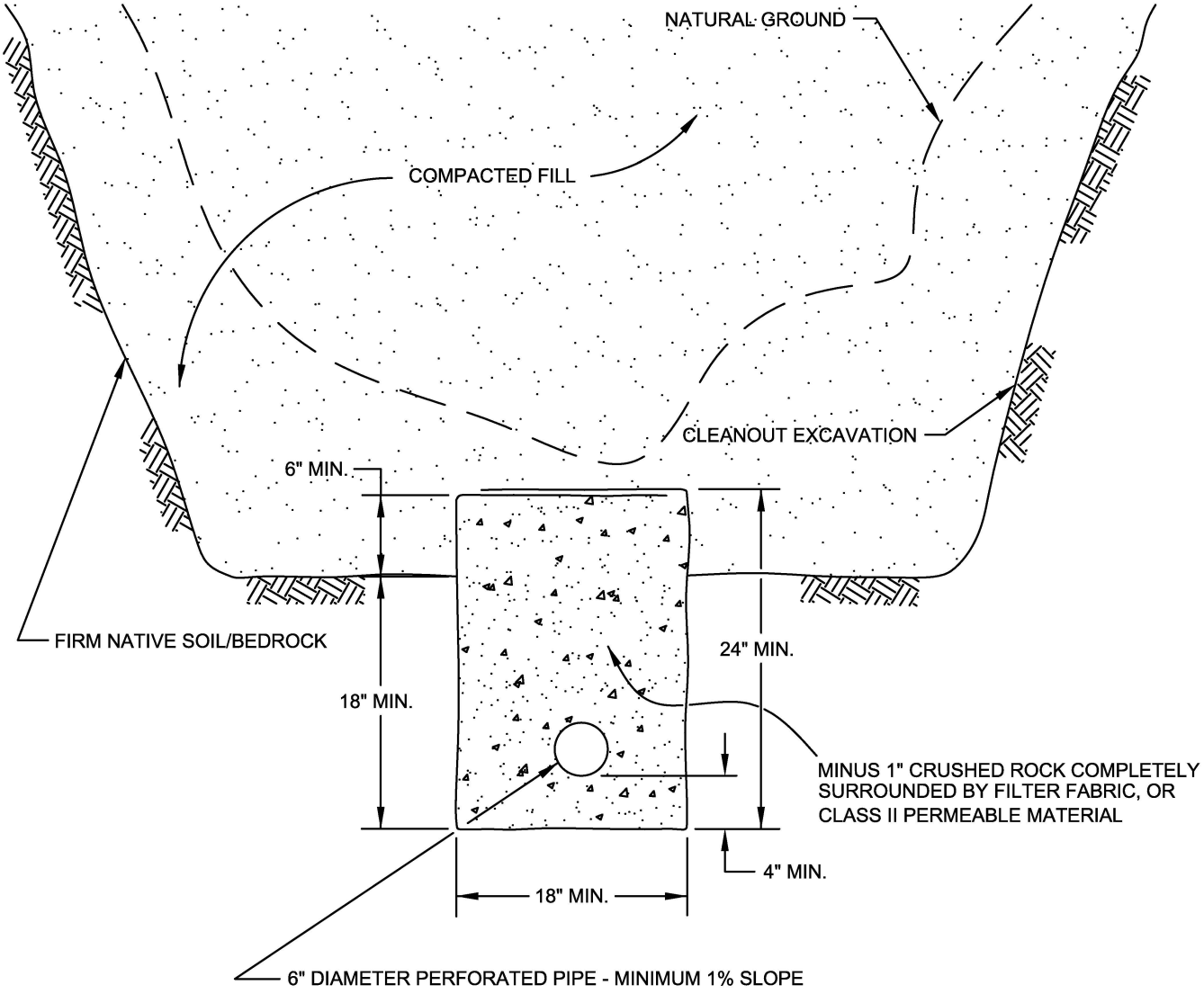
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-2

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



PIPE MATERIAL	DEPTH OF FILL OVER SUBDRAIN
ADS (CORRUGATED POLETHYLENE)	8
TRANSITE UNDERDRAIN	20
PVC OR ABS: SDR 35	35
SDR 21	100

SCHEMATIC ONLY
NOT TO SCALE

CANYON SUBDRAIN DETAIL

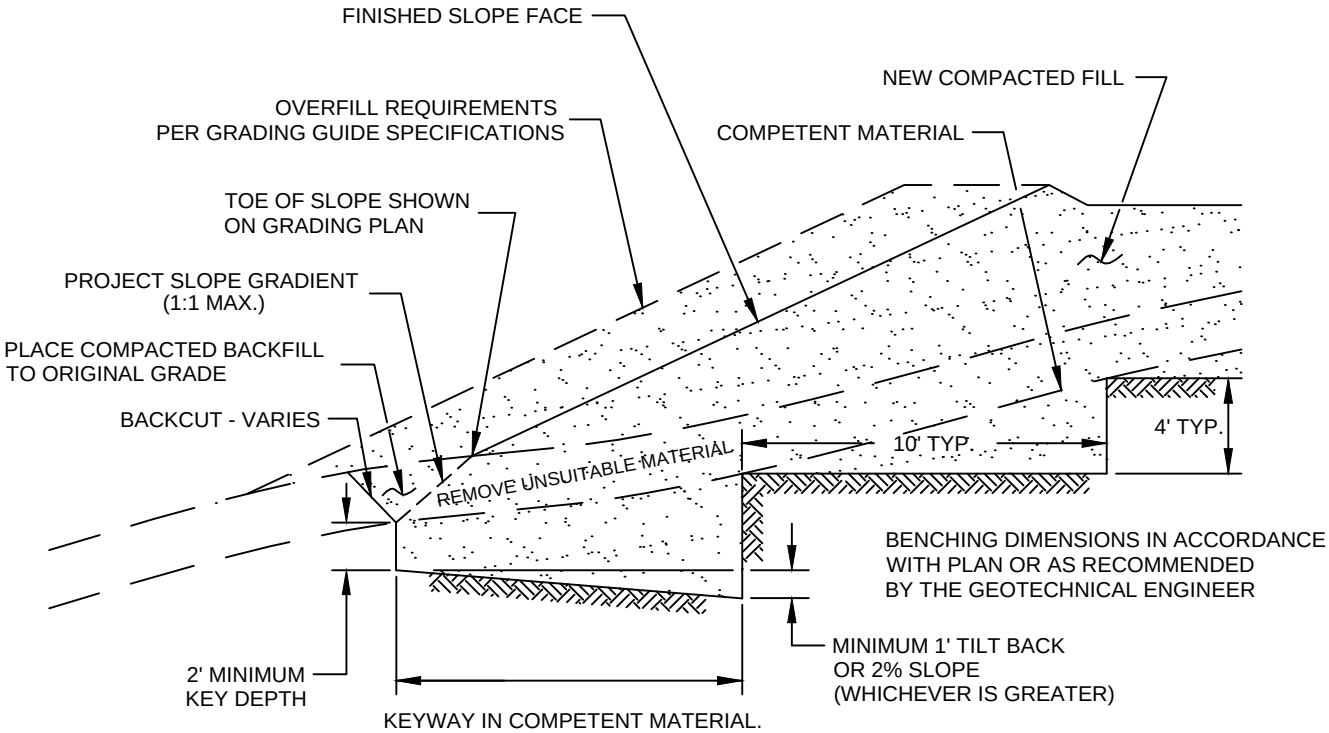
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-3

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



NOTE:
BENCHING SHALL BE REQUIRED WHEN NATURAL SLOPES ARE EQUAL TO OR STEEPER THAN 5:1 OR WHEN RECOMMENDED BY THE GEOTECHNICAL ENGINEER.

FILL ABOVE NATURAL SLOPE DETAIL

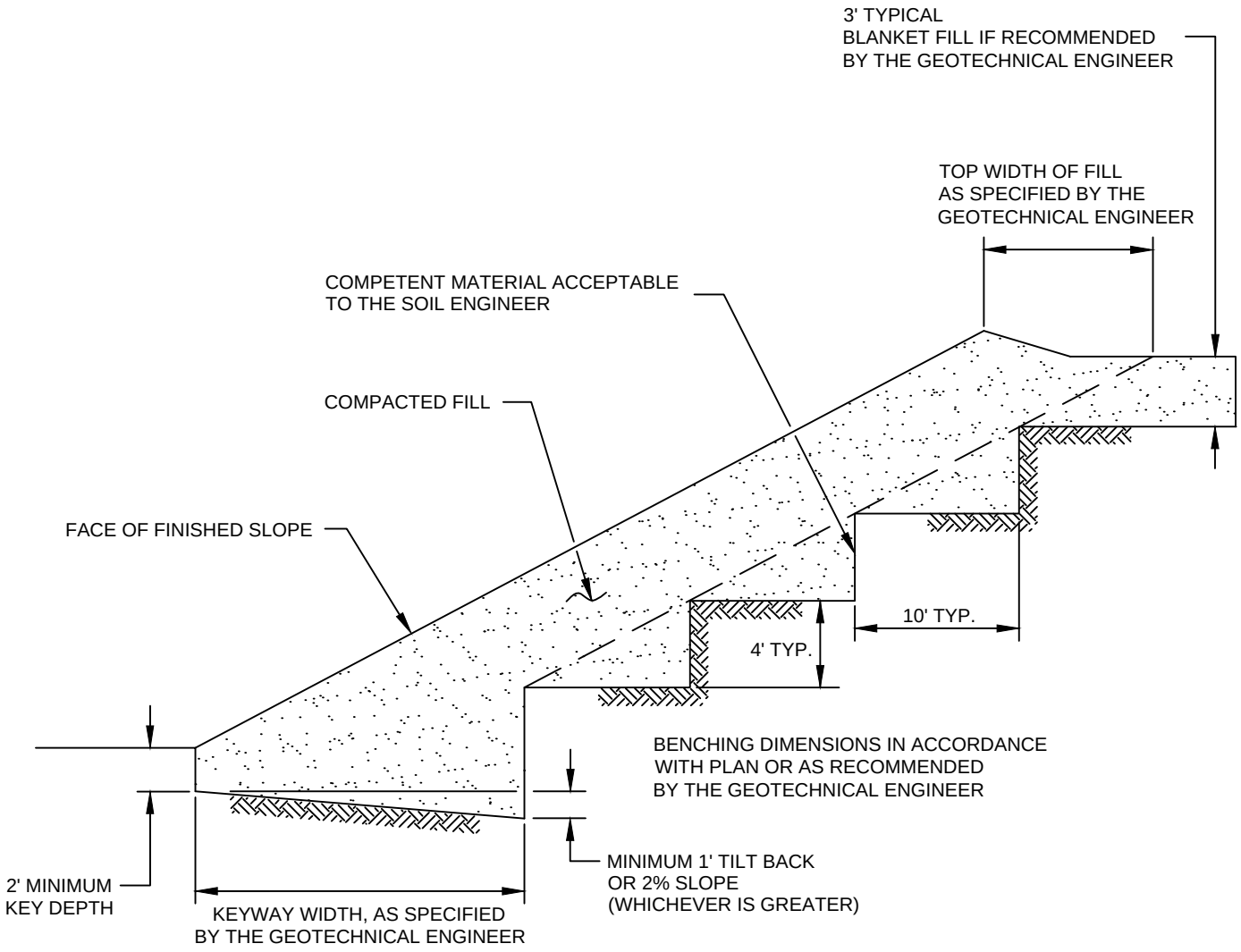
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-4

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



STABILIZATION FILL DETAIL

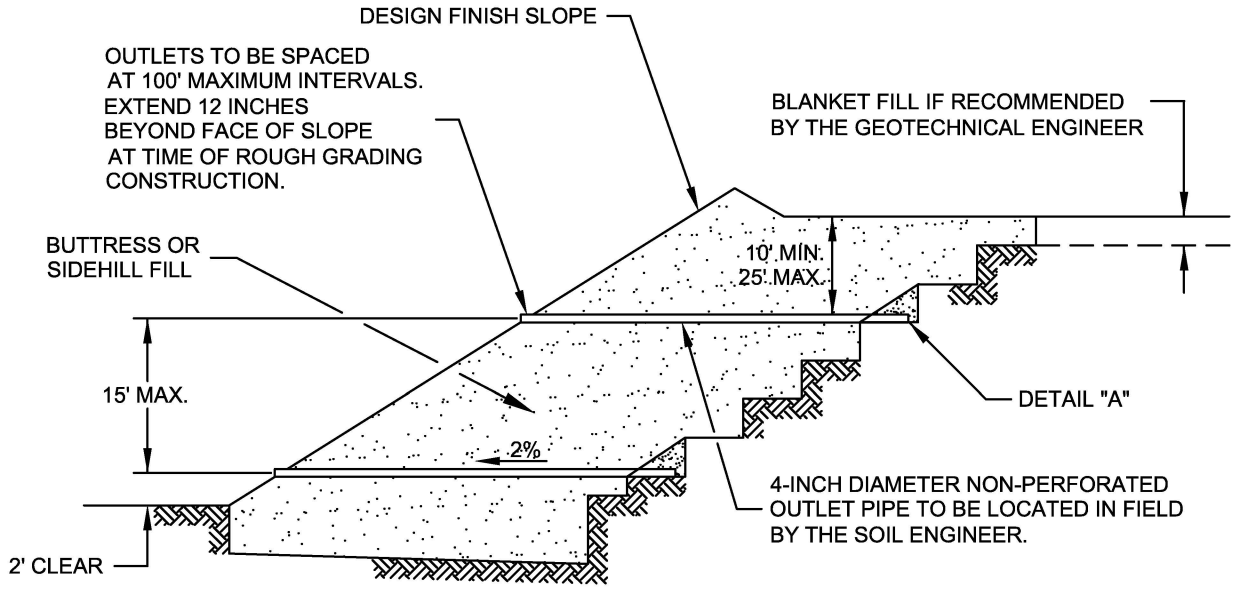
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-5

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



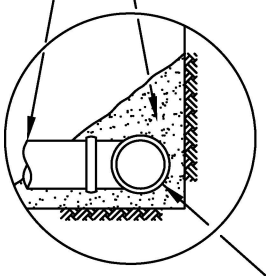
"FILTER MATERIAL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT: (CONFORMS TO EMA STD. PLAN 323)

SIEVE SIZE	PERCENTAGE PASSING
1"	100
3/4"	90-100
3/8"	40-100
NO. 4	25-40
NO. 8	18-33
NO. 30	5-15
NO. 50	0-7
NO. 200	0-3

"GRAVEL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT:

SIEVE SIZE	MAXIMUM PERCENTAGE PASSING
1 1/2"	100
NO. 4	50
NO. 200	8

SAND EQUIVALENT = MINIMUM OF 50



DETAIL "A"

NOTES:
1. TRENCH FOR OUTLET PIPES TO BE BACKFILLED WITH ON-SITE SOIL.

SLOPE FILL SUBDRAINS

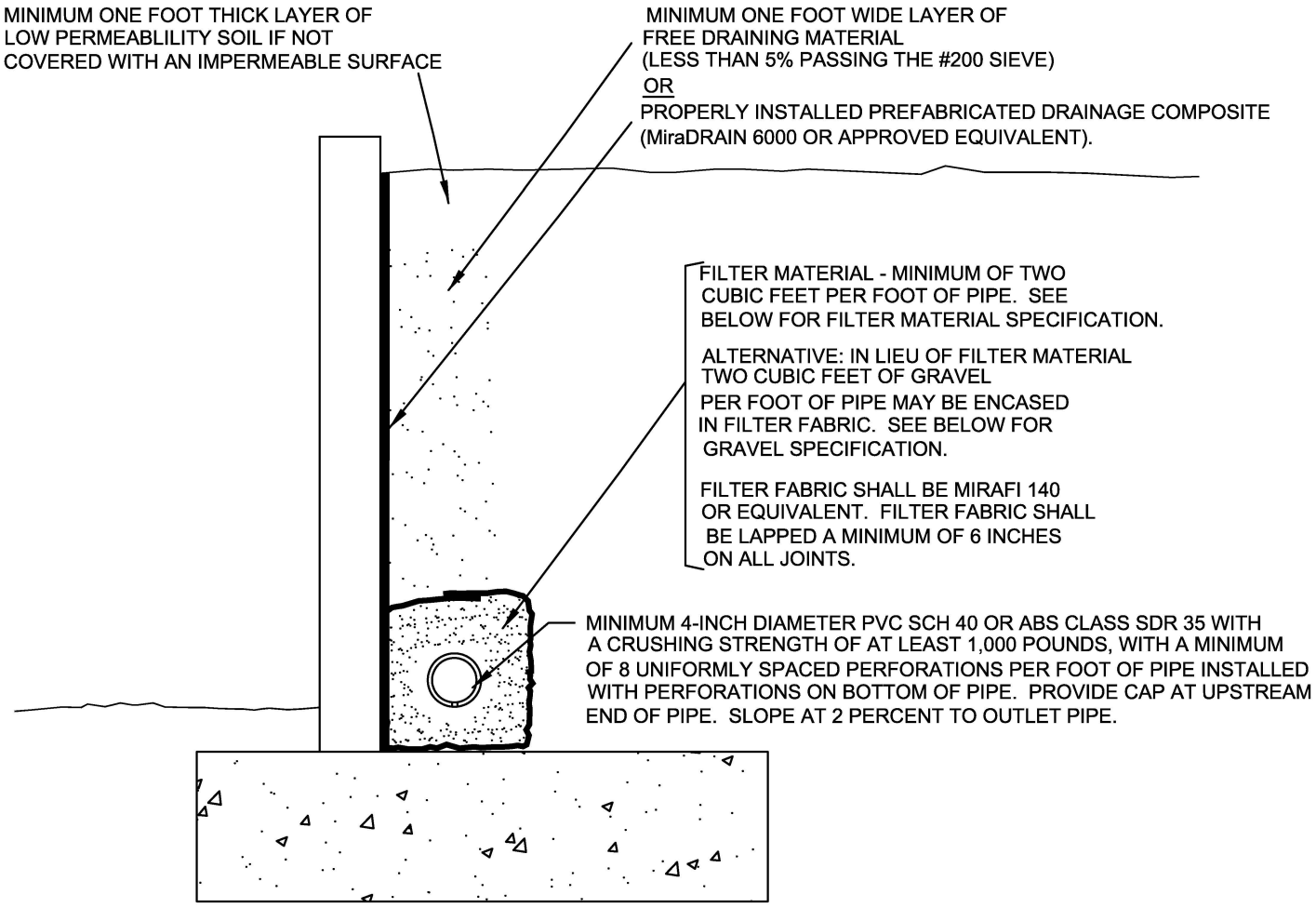
GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: JAS
CHKD: GKM

PLATE D-6

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL



"FILTER MATERIAL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT: (CONFORMS TO EMA STD. PLAN 323)

SIEVE SIZE	PERCENTAGE PASSING
1"	100
3/4"	90-100
3/8"	40-100
NO. 4	25-40
NO. 8	18-33
NO. 30	5-15
NO. 50	0-7
NO. 200	0-3

"GRAVEL" TO MEET FOLLOWING SPECIFICATION OR APPROVED EQUIVALENT:

SIEVE SIZE	MAXIMUM PERCENTAGE PASSING
1 1/2"	100
NO. 4	50
NO. 200	8

SAND EQUIVALENT = MINIMUM OF 50

RETAINING WALL BACKDRAINS

GRADING GUIDE SPECIFICATIONS

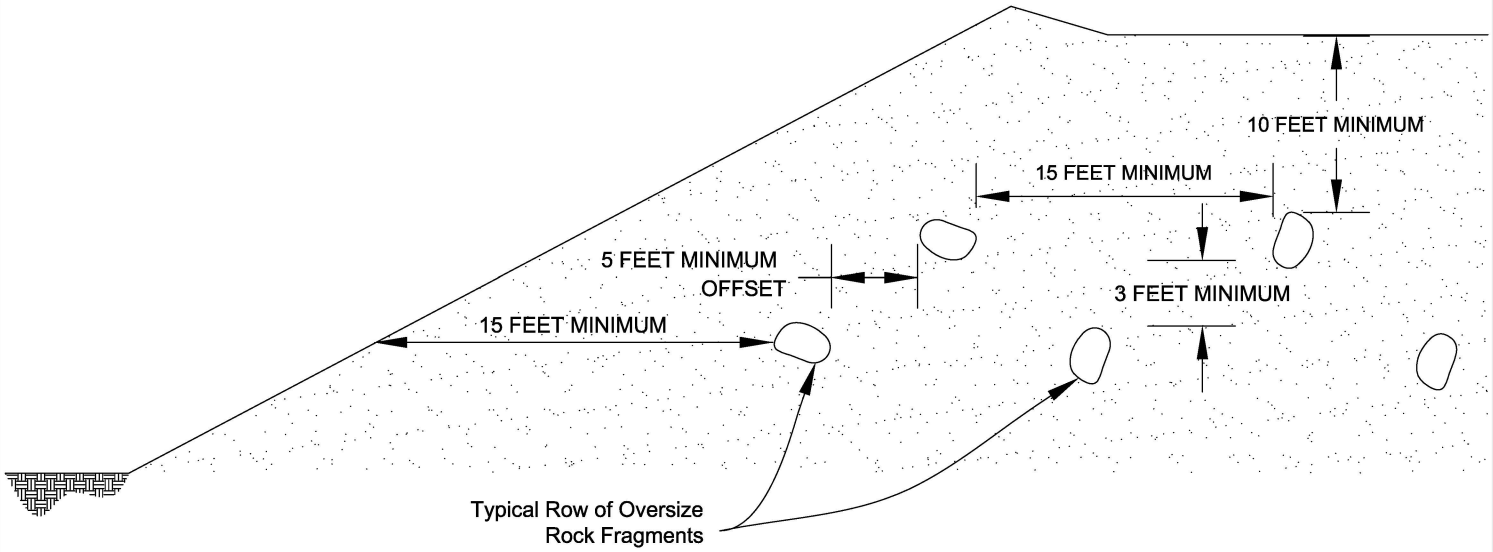
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DRAWN: JAS
CHKD: GKM

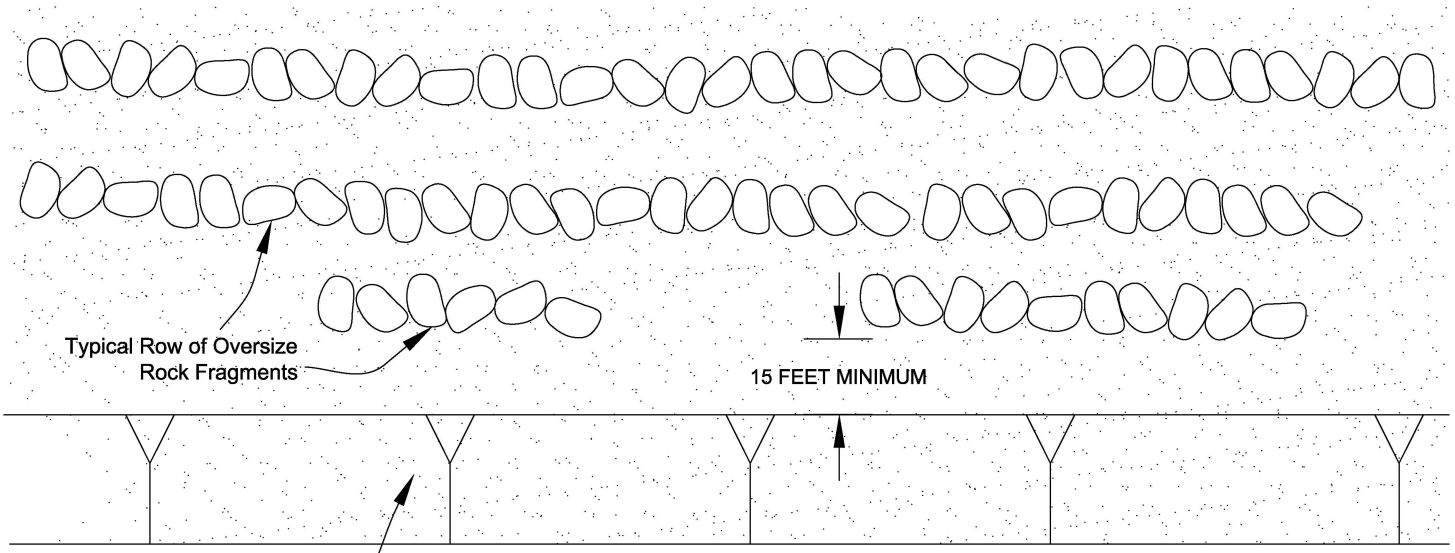
PLATE D-7

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL



Section View



Plan View

PLACEMENT OF OVERSIZED MATERIAL

GRADING GUIDE SPECIFICATIONS

NOT TO SCALE

DRAWN: PM
CHKD: GKM

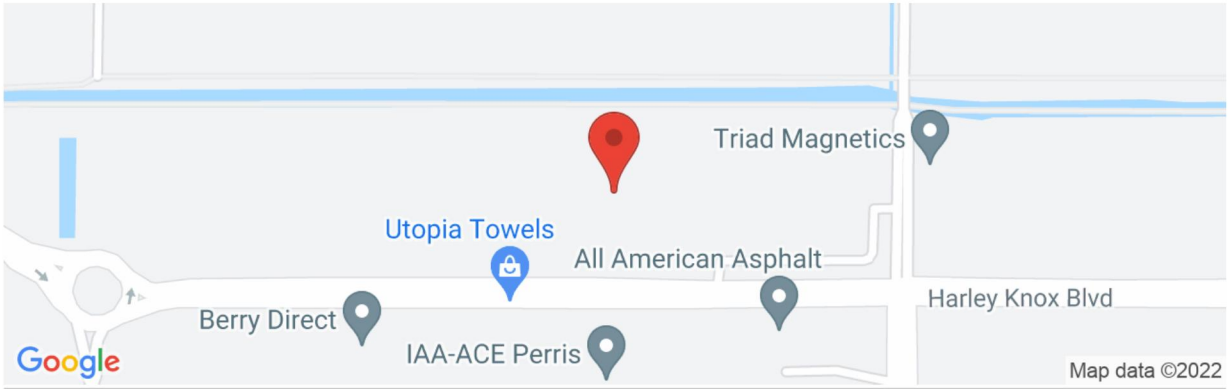
PLATE D-8

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL

APPENDIX E

Latitude, Longitude: 33.858224, -117.238011



Date	1/17/2022, 10:53:37 AM
Design Code Reference Document	ASCE7-16
Risk Category	III
Site Class	D - Stiff Soil

Type	Value	Description
S_S	1.5	MCE_R ground motion. (for 0.2 second period)
S_1	0.588	MCE_R ground motion. (for 1.0s period)
S_{MS}	1.5	Site-modified spectral acceleration value
S_{M1}	null -See Section 11.4.8	Site-modified spectral acceleration value
S_{DS}	1	Numeric seismic design value at 0.2 second SA
S_{D1}	null -See Section 11.4.8	Numeric seismic design value at 1.0 second SA

Type	Value	Description
SDC	null -See Section 11.4.8	Seismic design category
F_a	1	Site amplification factor at 0.2 second
F_v	null -See Section 11.4.8	Site amplification factor at 1.0 second
PGA	0.512	MCE_G peak ground acceleration
F_{PGA}	1.1	Site amplification factor at PGA
PGA_M	0.563	Site modified peak ground acceleration
T_L	8	Long-period transition period in seconds
SsRT	1.569	Probabilistic risk-targeted ground motion. (0.2 second)
SsUH	1.682	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration
SsD	1.5	Factored deterministic acceleration value. (0.2 second)
S1RT	0.588	Probabilistic risk-targeted ground motion. (1.0 second)
S1UH	0.646	Factored uniform-hazard (2% probability of exceedance in 50 years) spectral acceleration.
S1D	0.6	Factored deterministic acceleration value. (1.0 second)
PGAd	0.512	Factored deterministic acceleration value. (Peak Ground Acceleration)
C_{RS}	0.933	Mapped value of the risk coefficient at short periods
C_{R1}	0.91	Mapped value of the risk coefficient at a period of 1 s

SOURCE: SEAOC/OSHPD Seismic Design Maps Tool
<https://seismicmaps.org/>

SEISMIC DESIGN PARAMETERS - 2019 CBC
PROPOSED WAREHOUSE
PERRIS, CALIFORNIA

DRAWN: JAH
CHKD: PM
SCG PROJECT 22G106-1
PLATE E-1

SOUTHERN CALIFORNIA GEOTECHNICAL

INTIAL STUDY – APPENDIX D

Paleontological Resources Report

PALEONTOLOGICAL ASSESSMENT FOR THE FIRST HARLEY KNOX II PROJECT

PERRIS, RIVERSIDE COUNTY, CALIFORNIA

APNs 302-020-013, -028, -032, -038, -040, -043, and -048

Submitted to:

City of Perris
Planning Division
101 North D Street
Perris, California 92570

Prepared for:

First Industrial Realty Trust, Inc.,
First Industrial, L.P.,
First Industrial Acquisitions II, LLC,
and their Affiliates and Assigns
c/o Weis Environmental, LLC
1938 Kellogg Avenue, Suite 116
Carlsbad, California 92008

Prepared by:

BFSA Environmental Services,
a Perennial Company
14010 Poway Road, Suite A
Poway, California 92064

May 15, 2023; Revised November 18, 2024

BFSA Environmental Services
A Perennial Company

Paleontological Database Information

Author:	Todd A. Wirths, M.S., Senior Paleontologist, California Professional Geologist No. 7588
Consulting Firm:	BFSA Environmental Services, a Perennial Company 14010 Poway Road, Suite A Poway, California 92064 (858) 484-0915
Report Date:	May 15, 2023; Revised November 18, 2024
Report Title:	Paleontological Assessment for the First Harley Knox II Project, Perris, Riverside County, California
Prepared for:	First Industrial Realty Trust, Inc., First Industrial, L.P., First Industrial Acquisitions, LLC, and their Affiliates and Assigns c/o Weis Environmental, LLC 1938 Kellogg Avenue, Suite 116 Carlsbad, California 92008
Submitted to:	City of Perris Planning Division 101 North D Street Perris, California 92570
Assessor's Parcel Number:	302-020-013, -028, -032, -038, -040, -043, and -048
USGS Quadrangle:	Section 6, Township 4 South, Range 3 West on the USGS *Perris, California* (7.5-minute) topographic quadrangle
Study Area:	25.6 acres
Key Words:	Paleontological assessment; Pleistocene very old alluvial fan deposits; High paleontological sensitivity; City of Perris; full-time monitoring of subsurface excavations.

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I. INTRODUCTION AND LOCATION

A paleontological resource assessment has been completed for the First Harley Knox II Project (Assessor's Parcel Numbers [APNs] 302-020-013, -028, -032, -038, -040, -043, and -048) located along the south side of Harley Knox Boulevard between Webster Avenue and Indian Avenue in the northern portion of the city of Perris, Riverside County, California (Figures 1 and 2). The project site is situated in Section 6, Township 4 South, Range 3 West, of the San Bernardino Baseline and Meridian, as shown on the U.S. Geological Survey (USGS) (7.5-minute) 1:24,000-scale *Perris, California* topographic quadrangle map (Figure 2). Project plans propose to redevelop the 25.6-acre property. Only APN 302-020-032 is currently developed; the other parcels are vacant.

As the lead agency, the City of Perris has required the preparation of a paleontological assessment to evaluate the project's potential to yield paleontological resources. The paleontological assessment of the project site included a review of paleontological literature and fossil locality records in the area; a review of the underlying geology; and recommendations to mitigate impacts to potential paleontological resources, if necessary.

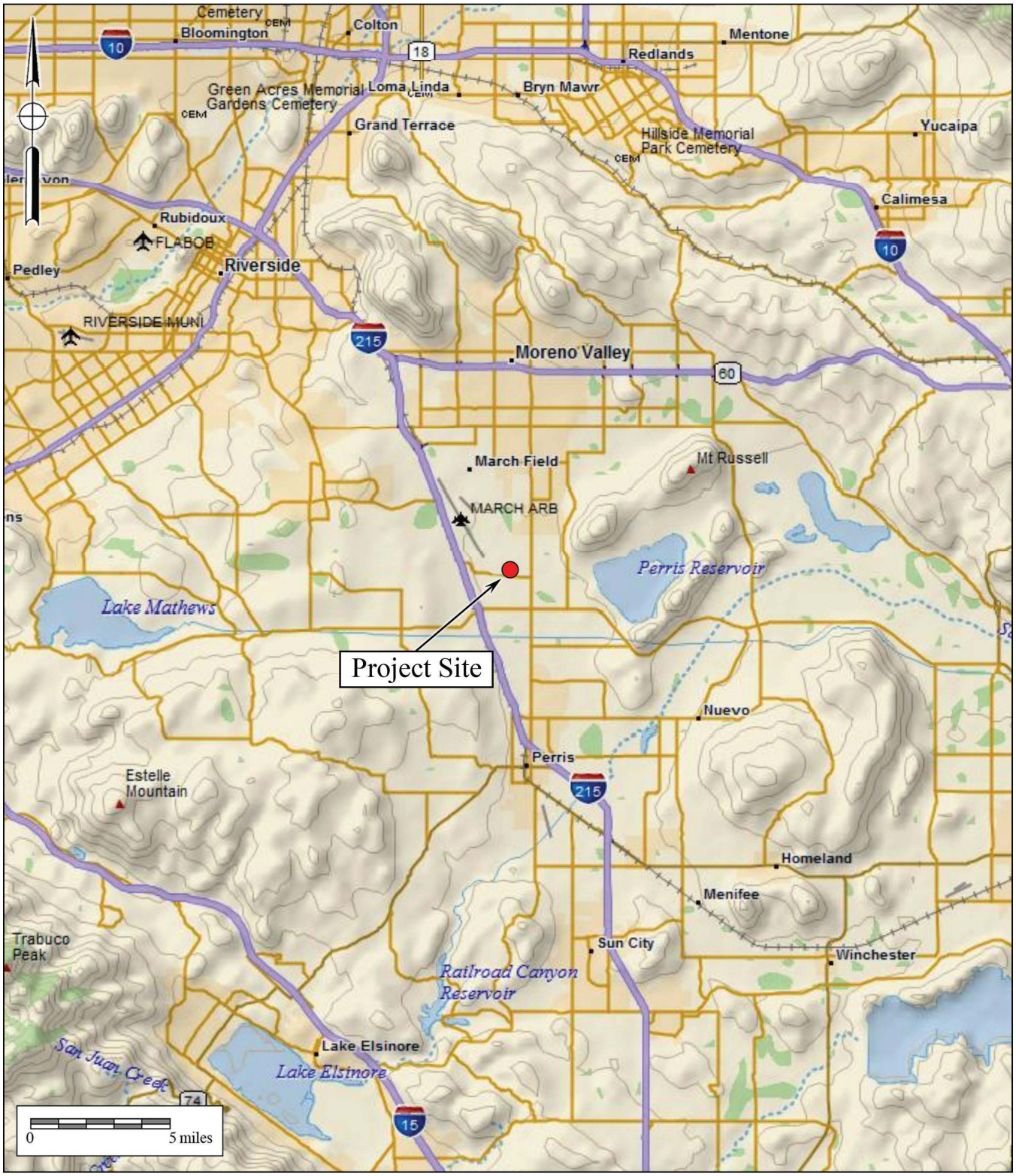
II. REGULATORY SETTING

The California Environmental Quality Act (CEQA), which is patterned after the National Environmental Policy Act, is the overriding regulation that sets the requirement for protecting California's cultural and paleontological resources. CEQA does not establish specific rules that must be followed but mandates that governing permitting agencies (lead agencies) set their own guidelines for the protection of nonrenewable paleontological resources under their jurisdiction.

State of California

Under the "Guidelines for Implementation of the California Environmental Quality Act" (CEQA Guidelines), as amended in December 2018 (California Code of Regulations [CCR] Title 14, Division 6, Chapter 3, Sections 15000 et seq.), procedures define the types of activities, persons, and public agencies required to comply with CEQA. Section 15063 of the CEQA Guidelines provides a process by which a lead agency may review a project's potential impact to the environment, whether the impacts are significant, and provide recommendations, if necessary.

In the CEQA Guidelines Appendix G Environmental Checklist Form, a question to respond to is, "would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?" (Appendix G, Section VII, Part f). This is to ensure compliance with California Public Resources Code Section 5097.5, the law that protects nonrenewable resources including fossils, which is paraphrased below:



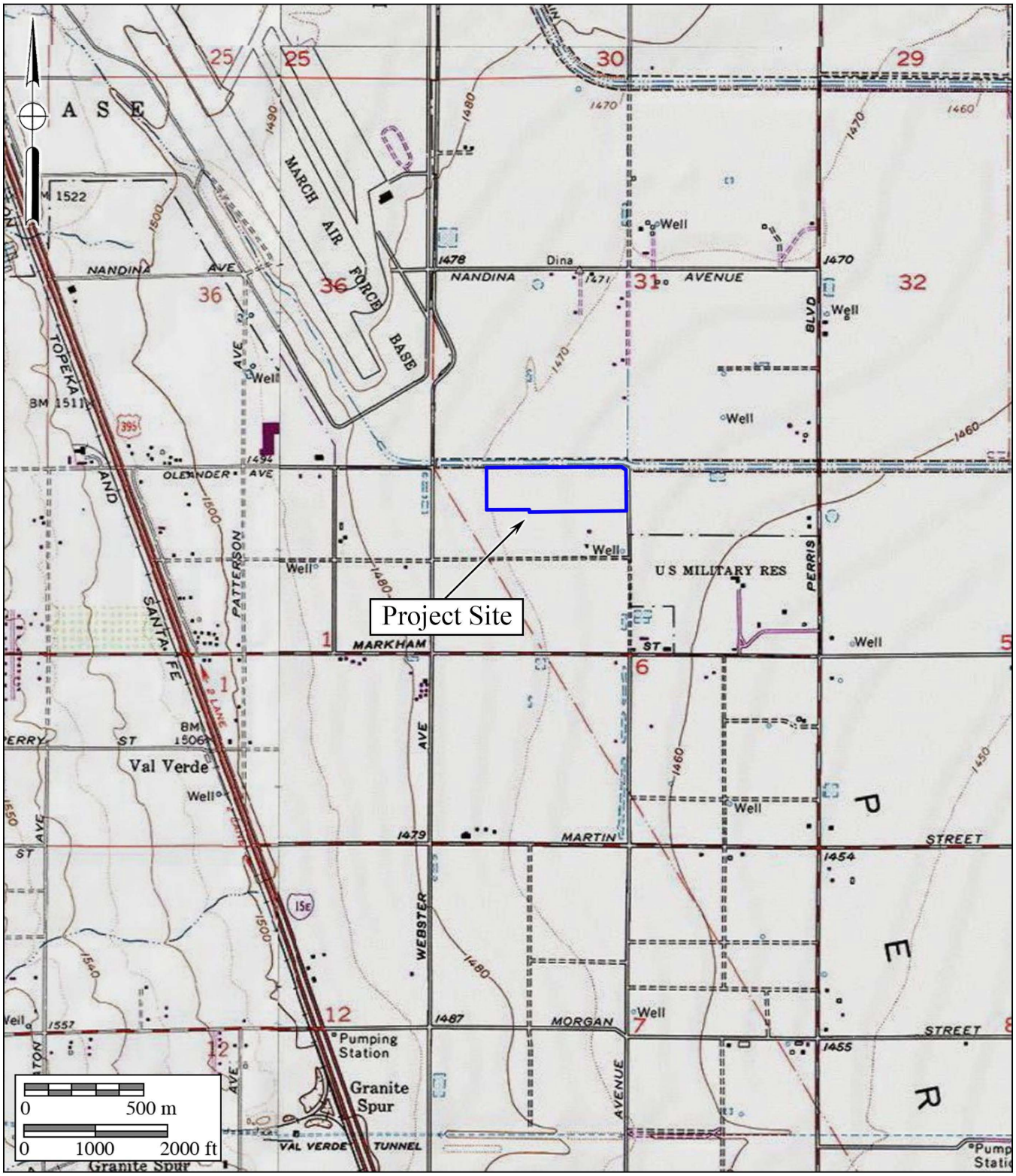
BFSA Environmental Services
A Perennial Company

Figure 1

General Location Map

The First Harley Knox II Project

DeLorme (1:250,000)



BFSA Environmental Services
A Perennial Company

Figure 2

Project Location Map

The First Harley Knox II Project

USGS *Perris* and *Steele Peak* Quadrangles (7.5-minute series)

a) A person shall not knowingly and willfully excavate upon, or remove, destroy, injure, or deface, any historic or prehistoric ruins, burial grounds, archaeological or vertebrate paleontological site, including fossilized footprints, inscriptions made by human agency, rock art, or any other archaeological, paleontological or historical feature, situated on public lands, except with the express permission of the public agency having jurisdiction over such lands.
b) As used in this section, "public lands" means lands owned by, or under the jurisdiction of, the state, or any city, county, district, authority, or public corporation, or any agency thereof.
c) A violation of this section is a misdemeanor.

City of Perris

The City of Perris has allocated requirements addressing paleontological resources in the Conservation Element of the City's General Plan (City of Perris 2005:26–27 [Exhibit CN-7]). The Conservation Element "provides goals and policies as a framework for the management, preservation, and use of the City's resources" (City of Perris 2005). Goals, policies, and implementation measures specific to paleontological resources are as follows:

> **Measure IV.A.4**: In Area 1 and Area 2 shown on the Paleontological Sensitivity Map [Exhibit CN-7], paleontological monitoring of all projects requiring subsurface excavations will be required once any excavation begins. In Areas 4 and 5, paleontological monitoring will be required once subsurface excavations reach 5 feet in depth, with monitoring levels reduced if appropriate, at the discretion of a certified Project Paleontologist. (City of Perris 2005:47)

Based on the Paleontological Sensitivity Map (Exhibit CN-7) in the Conservation Element of the City's General Plan (City of Perris 2005), the First Harley Knox II Project site is located within Area 1, which requires paleontological monitoring once excavation begins.

Perris Valley Commerce Center Specific Plan

The First Harley Knox II Project site is located within the boundaries of the Perris Valley Commerce Center Specific Plan (PVCCSP) of the city of Perris (City of Perris 2011). The PVCCSP was adopted by the City of Perris on January 12, 2012 (Ordinance No. 1284). Environmental impacts resulting from implementation of allowed development under the PVCCSP have been evaluated in the Perris Valley Commerce Center Specific Plan Final Environmental Impact Report (PVCCSP EIR) (State Clearinghouse No. 2009081086), which was certified by the City of Perris in January 2012. The PVCCSP EIR analyzes the direct and indirect impacts resulting from implementation of the allowed development under the PVCCSP. Measures to mitigate, to the extent feasible, the significant adverse project and cumulative

impacts resulting from that development are identified in the EIR. The PVCCSP EIR includes mitigation measures for the study and protection of paleontological resources. PVCCSP EIR mitigation measure MM Cultural 1 outlines the requirements for preparation of a Phase I cultural resources study (City of Perris 2011), which has been completed through the preparation of this assessment. PVCCSP EIR mitigation measure MM Cultural 5 would be applicable to the project. The City has subsequently modified PVCCSP EIR mitigation measure MM Cultural 5; the modified mitigation measure applicable to the project site being located within Paleontological Sensitivity Area 1 is presented below:

> Prior to the issuance of grading permits, the project proponent/developer shall submit to and receive approval from the City, a Paleontological Resource Impact Mitigation Monitoring Program (PRIMMP). The PRIMMP shall include the provision for a qualified professional paleontologist (or his or her trained paleontological representative) to be on-site for any project-related excavations that exceed three (3) feet below the pre-grade surface. Selection of the paleontologist shall be subject to approval of the City of Perris Planning Manager and no grading activities shall occur at the project site or within the off-site project improvement areas until the paleontologist has been approved by the City.
>
> Monitoring shall be restricted to undisturbed subsurface areas of older Quaternary alluvium. The approved paleontologist shall be prepared to quickly salvage fossils as they are unearthed to avoid construction delays. The paleontologist shall also remove samples of sediments which are likely to contain the remains of small fossil invertebrates and vertebrates. The paleontologist shall have the power to temporarily halt or divert grading equipment to allow for removal of abundant or large specimens.
>
> Collected samples of sediments shall be washed to recover small invertebrate and vertebrate fossils. Recovered specimens shall be prepared so that they can be identified and permanently preserved. Specimens shall be identified and curated and placed into an accredited repository (such as the Western Science Center or the Riverside Metropolitan Museum) with permanent curation and retrievable storage.
>
> A report of findings, including an itemized inventory of recovered specimens, shall be prepared upon completion of the steps outlined above. The report shall include a discussion of the significance of all recovered specimens. The report and inventory, when submitted to the City of Perris Planning Division, will signify completion of the program to mitigate impacts to paleontological resources.

III. GEOLOGY

Regionally, the project site lies within the Perris Block, a structural block bounded on the west by the Elsinore fault zone and on the east by the San Jacinto fault zone (Morton 2003). The geology mapped underlying the project site and immediate area indicates that the project site is underlain by lower Pleistocene (approximately 1.8 million to perhaps 200,000 to 300,000 years old) very old alluvial fan deposits (labeled as "$Qvof_a$," and shown in brown on Figure 3) (Morton 2001, 2003). These sediments are described as "…mostly well dissected, well-indurated, reddish-brown sand deposits. Commonly contains duripans and locally silcretes" (Morton 2003). According to Woodford et al. (1971), the alluvium overlying the granitic bedrock below the project site ranges from approximately 750 to 800 feet thick.

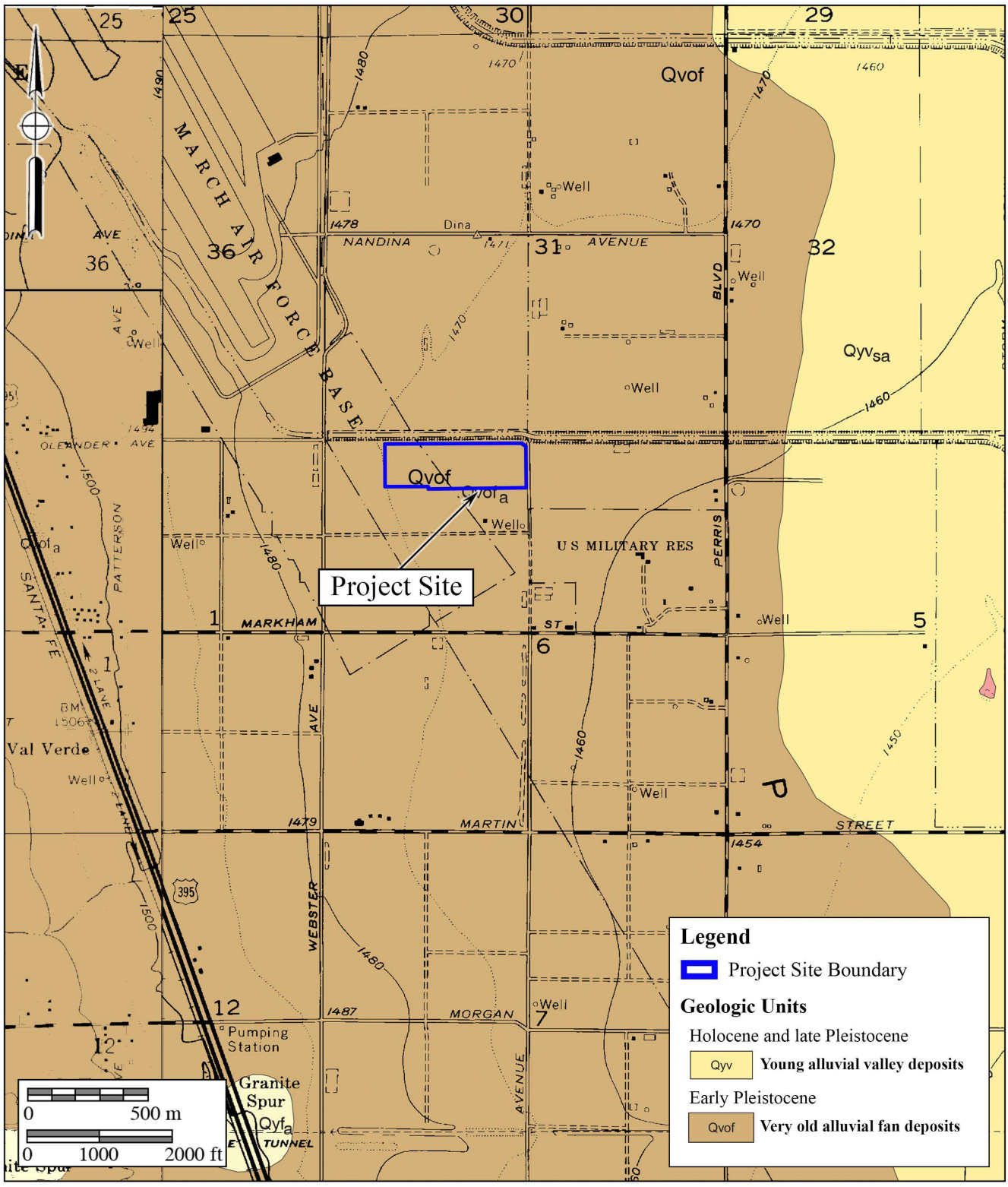
IV. PALEONTOLOGICAL RESOURCES

Definition

Paleontological resources are the remains of prehistoric life that have been preserved in geologic strata. These remains are called fossils and include bones, shells, teeth, and plant remains (including their impressions, casts, and molds) in the sedimentary matrix, as well as trace fossils such as footprints and burrows. Fossils are considered older than 5,000 years of age (Society of Vertebrate Paleontology 2010), but may include younger remains (subfossils), for example, when viewed in the context of local extinction of the organism or habitat. Fossils are considered a nonrenewable resource under state and local guidelines (see Section II of this report, above).

Fossil Locality Search

A paleontological literature review and collections and locality records search was conducted for the project site using records from prior Brian F. Smith and Associates, Inc. (BFSA) projects, the Division of Geological Sciences at the San Bernardino County Museum (SBCM), the Los Angeles County Museum of Natural History (LACM), and the Western Science Center (WSC), as well as data from published and unpublished paleontological literature (Jefferson 1991, 2009). The resulting locality records search did not identify any previously recorded fossil localities from within the boundaries of the project site. The closest-known fossil localities, held by the SBCM, are approximately six miles southeast of the project site, southeast of Lake Perris, and consist of late Pleistocene-aged mammoth, horse, and bison remains (SBCM localities [locs.] 5.3.151 and 5.3.153). The LACM's closest fossil localities, in similar geologic deposits as the project site, are located east of southern Lake Elsinore (LACM locs. 5168 and 6059), while the WSC holds fossils found in Moreno Valley, about 6.5 miles to the northeast (WSC locs. 192, 193, and 194). These localities from both institutions consist of late Pleistocene mammals.



BFSA Environmental Services
A Perennial Company

Figure 3

Geologic Map

The First Harley Knox II Project

Geology after Morton (2001, 2003)

V. PALEONTOLOGICAL SENSITIVITY

Overview

The degree of paleontological sensitivity of any particular area is based on a number of factors, including the documented presence of fossiliferous resources on a site or in nearby areas, the presence of documented fossils within a particular geologic formation or lithostratigraphic unit, and whether or not the original depositional environment of the sediments is one that might have been conducive to the accumulation of organic remains that might have become fossilized over time. Holocene alluvium is generally considered to be geologically too young to contain significant nonrenewable paleontological resources (*i.e.*, fossils), and is therefore typically assigned a low paleontological sensitivity. However, Pleistocene (greater than 11,700 years old) alluvial and alluvial fan deposits in western Riverside County and the Inland Empire can yield important Ice Age terrestrial vertebrate fossils, such as extinct mammoths, mastodons, giant ground sloths, extinct species of horse, bison, and camel, saber-toothed cats, and others (Jefferson 1991). Therefore, these Pleistocene sediments are accorded a High paleontological resource sensitivity.

Professional Standard

The Society of Vertebrate Paleontology has drafted guidelines that include four categories of paleontological sensitivity for geologic units (formations) that might be impacted by a proposed project, as listed below:

- *High Potential:* Rock units from which vertebrate or significant invertebrate, plant, or trace fossils have been recovered.
- *Undetermined Potential:* Rock units for which little information is available concerning their paleontological content, geologic age, and depositional environment, and that further study is needed to determine the potential of the rock unit.
- *Low Potential:* Rock units that are poorly represented by fossil specimens in institutional collections or based on a general scientific consensus that only preserve fossils in rare circumstances.
- *No Potential:* Rock units that have no potential to contain significant paleontological resources, such as high-grade metamorphic rocks and plutonic igneous rocks.

Using these criteria, based on the age of the geologic formation mapped at the project site and the fossil record of the formation, the very old alluvial fan deposits at the project site may be assigned a high potential to yield significant paleontological resources.

City of Perris Paleontological Sensitivity Assessment

The project site is located within the area covered by the PVCCSP and it is subject to the mitigation measure guidelines specified within the PVCCSP EIR. PVCCSP EIR mitigation measure MM Cultural 5 (Webb 2011) requires the monitoring of paleontological resources for excavations exceeding five feet deep in subsurface areas of undisturbed older alluvium. However, the Paleontological Sensitivity Map in the Conservation Element of the City's Comprehensive General Plan (City of Perris 2005 [Exhibit CN-7]) shows that the First Harley Knox II Project site is located within Paleontological Sensitivity Area 1, which is assigned a high paleontological sensitivity, based on the presence of the Pleistocene older valley deposits mapped at the surface. Sites located within Area 1 are required to have paleontological monitoring commence once any excavation begins (City of Perris 2005, Goal IV.A.4).

VI. CONCLUSIONS AND RECOMMENDATIONS

Research has confirmed the existence of potentially fossiliferous Pleistocene alluvial fan deposits mapped as underlying the First Harley Knox II Project site ($Qvof_a$ on Figure 3), and the occurrence of terrestrial vertebrate fossils at shallow depths from Pleistocene older alluvial fan sediments across the Inland Empire and western Riverside County has been documented. The "High" paleontological sensitivity typically assigned to Pleistocene alluvial fan sediments for yielding paleontological resources supports the recommendation that paleontological monitoring be required during mass grading, trenching, and excavation activities in undisturbed Pleistocene alluvial fan sediments in order to mitigate any adverse impacts (loss or destruction) to potential nonrenewable paleontological resources.

Full-time monitoring during earth disturbance activities, as required by the City of Perris General Plan Conservation Element (City of Perris 2005). The proposed Paleontological Resource Impact Mitigation Project (PRIMP) is detailed below, which should be implemented prior to the approval of the project's grading permits by the City of Perris. When implemented with the provisions of CEQA, and the guidelines of the Society of Vertebrate Paleontology (2010), this PRIMP would mitigate any adverse impacts (loss or destruction) to potential nonrenewable paleontological resources (fossils), if present, to a less than significant level.

Proposed PRIMP

1. Monitoring of mass grading and excavation activities shall be performed by a qualified paleontologist or paleontological monitor. Full-time monitoring for paleontological resources will be conducted in areas where grading, excavation, or drilling activities occur in order to mitigate any adverse impacts (loss or destruction) to potential nonrenewable paleontological resources. Monitoring of artificial fill and disturbed soils is not warranted.
2. Paleontological monitors will be equipped to salvage fossils as they are unearthed to

avoid construction delays and to remove samples of sediment that are likely to contain the remains of small fossil invertebrates and vertebrates. The monitor must be empowered to temporarily halt or divert equipment to allow for the removal of abundant or large specimens in a timely manner. The monitor shall notify the project paleontologist, who will then notify the concerned parties of the discovery. Monitoring may be reduced if the potentially fossiliferous units are not present in the subsurface, or if they are present, are determined upon exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources.

3. Preparation of recovered specimens to a point of identification and permanent preservation will be conducted, including screen-washing sediments to recover small vertebrates and invertebrates if indicated by the results of test sampling. Preparation of any individual vertebrate fossils is often more time-consuming than for accumulations of invertebrate fossils.
4. All fossils must be deposited in an accredited institution (university or museum) that maintains collections of paleontological materials. The WSC in Hemet, California, is the preferred institution by the County of Riverside and the PVCCSP. All costs of the paleontological monitoring and mitigation program, including any one-time charges by the receiving institution, are the responsibility of the developer.
5. Preparation of a final monitoring and mitigation report of findings and significance will be completed, including lists of all fossils recovered and necessary maps and graphics to accurately record their original location(s). A letter documenting receipt and acceptance of all fossil collections by the receiving institution must be included in the final report. The report, when submitted to and accepted by the appropriate lead agency (*e.g.*, the City of Perris), will signify satisfactory completion of the project program to mitigate impacts to any nonrenewable paleontological resources.

VII. CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this paleontological report, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief and have been compiled in accordance with CEQA criteria.



November 18, 2024

Todd A. Wirths
Senior Paleontologist
California Professional Geologist No. 7588

Date

VIII. REFERENCES

Albert A. Webb Associates. 2011. Perris Valley Commerce Center Specific Plan Final EIR (SCH No. 2009081086). City of Perris. Electronic document, https://www.cityofperris.org/home/showpublisheddocument/2645/637455522835370000.

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Morton, D.M. 2003. Preliminary geologic map of the Perris 7.5' quadrangle, Riverside County, California: U. S. Geological Survey Open-File Report 03-270, scale 1:24,000.

Society of Vertebrate Paleontology. 2010. Standard procedures for the assessment and mitigation of adverse impacts to paleontological resources; by the SVP Impact Mitigation Guidelines Revision Committee: https://vertpaleo.org/wp-content/uploads/2021/01/SVP_Impact_Mitigation_Guidelines-1.pdf.

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APPENDIX A

Qualifications of Key Personnel

Todd A. Wirths, MS, PG No. 7588

Senior Paleontologist

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14010 Poway Road • Suite A •
Phone: (858) 679-8218 • Fax: (858) 679-9896 • E-Mail: twirths@bfsa.perennialenv.com

BFSA Environmental Services
A Perennial Company

Education

Master of Science, Geological Sciences, San Diego State University, California **1995**

Bachelor of Arts, Earth Sciences, University of California, Santa Cruz **1992**

Professional Certifications

California Professional Geologist #7588, 2003
Riverside County Approved Paleontologist
San Diego County Qualified Paleontologist
Orange County Certified Paleontologist
OSHA HAZWOPER 40-hour trained; current 8-hour annual refresher

Professional Memberships

Board member, San Diego Geological Society
San Diego Association of Geologists; past President (2012) and Vice President (2011)
South Coast Geological Society
Southern California Paleontological Society

Experience

Mr. Wirths has more than a dozen years of professional experience as a senior-level paleontologist throughout southern California. He is also a certified California Professional Geologist. At BFSA, Mr. Wirths conducts on-site paleontological monitoring, trains and supervises junior staff, and performs all research and reporting duties for locations throughout Los Angeles, Ventura, San Bernardino, Riverside, Orange, San Diego, and Imperial Counties. Mr. Wirths was formerly a senior project manager conducting environmental investigations and remediation projects for petroleum hydrocarbon-impacted sites across southern California.

Selected Recent Reports

2019 *Paleontological Assessment for the 10575 Foothill Boulevard Project, City of Rancho Cucamonga, San Bernardino County, California*. Prepared for T&B Planning, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2019 *Paleontological Assessment for the MorningStar Marguerite Project, Mission Viejo, Orange County, California.* Prepared for T&B Planning. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2019 *Paleontological Monitoring Report for the Nimitz Crossing Project, City of San Diego.* Prepared for Voltaire 24, LP. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2019 *Paleontological Resource Impact Mitigation Program (PRIMP) for the Jack Rabbit Trail Logistics Center Project, City of Beaumont, Riverside County, California.* Prepared for JRT BP 1, LLC. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Monitoring Report for the Oceanside Beachfront Resort Project, Oceanside, San California.* Prepared for S.D. Malkin Properties. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Resource Impact Mitigation Program for the Nakase Project, Lake Forest, Orange County, San California.* Prepared for Glenn Lukos Associates, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Resource Impact Mitigation Program for the Sunset Crossroads Project, Banning, Riverside County*. Prepared for NP Banning Industrial, LLC. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Assessment for the Ortega Plaza Project, Lake Elsinore, Riverside County*. Prepared for Empire Design Group. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Resource Record Search Update for the Green River Ranch III Project, Green River Ranch Specific Plan SP00-001, City of Corona, California*. Prepared for Western Realco. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Assessment for the Cypress/Slover Industrial Center Project, City of Fontana, San Bernardino County, California*. Prepared for T&B Planning, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2020 *Paleontological Monitoring Report for the Imperial Landfill Expansion Project (Phase VI, Segment C-2), Imperial County, California*. Prepared for Republic Services, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Assessment for the Manitou Court Logistics Center Project, City of Jurupa Valley, Riverside County, California*. Prepared for Link Industrial. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Resource Impact Mitigation Program for the Del Oro (Tract 36852) Project, Menifee, Riverside County*. Prepared for D.R. Horton. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Assessment for the Alessandro Corporate Center Project (Planning Case PR-2020-000519), City of Riverside, Riverside County, California*. Prepared for OZI Alessandro, LLC. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

2021 *Paleontological Monitoring Report for the Boardwalk Project, La Jolla, City of San Diego*. Prepared for Project Management Advisors, Inc. Report on file at Brian F. Smith and Associates, Inc., Poway, California.

INTIAL STUDY – APPENDIX E.1

Phase I Environmental Site Assessment



Phase I Environmental Site Assessment

First Harley Knox II
657 Harley Knox Boulevard
Perris, California 92571

February 12, 2022

First Industrial Realty Trust, Inc., First Industrial, L.P.
First Industrial Acquisitions II, LLC and their Affiliates and Assigns
One North Wacker Drive, Suite 4200
Chicago, IL 60606

Project Number 21-12-026

Prepared by:

Weis ENVIRONMENTAL

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February 12, 2022

Jacob Kentnich
First Industrial Realty Trust, Inc.
One North Wacker Drive, Suite 4200
Chicago, IL 60606

Subject: Phase I Environmental Site Assessment
First Harley Knox II
657 Harley Knox Boulevard
Perris, California 92571
Project Number 21-12-026

Dear Mr. Kentnich:

Weis Environmental, LLC has completed the contracted environmental consulting services for the above-referenced project. The services were performed in accordance with our proposal and agreement fully executed by all parties. The Phase I Environmental Site Assessment has been performed in accordance with American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E1527-21 and Title 40 of the Code of Federal Regulations (40 CFR) Part 312. This assessment was also completed in accordance with the First Industrial Realty Trust Scope of Work for Phase I ESAs. We appreciate the opportunity to be of service to you on this project. Please contact us if you have any questions or comments regarding this report or if we can be of further assistance.

Sincerely,

Weis Environmental, LLC



Daniel Weis. R.E.H.S.
Environmental Manager

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APPENDICES

Appendix A User Provided Information
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1.0 INTRODUCTION

This report presents the methods and findings of a Phase I Environmental Site Assessment (ESA) of the property located at 657 Harley Knox Boulevard and Riverside County Assessor's Parcel Numbers (APNs) 302-020-013, -028, -038, -040, -043, and -048 in the City of Perris, Riverside County, California (Subject Property) performed in conformance with the contract/agreement for this assignment and the scope and limitations of ASTM Standard Practice E1527-21 and United States Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI) as published in 40 Code of Federal Regulations (CFR) Part 312. EPA promulgated the AAI rule that became effective in November 2006. An acknowledgment is pending by the EPA that the ASTM E1527-21 practice is consistent with the requirements of AAI and may be used to comply with the provisions of the AAI rule. As such, it should be noted that this report also complies with the previously published ASTM E1527-13 standard and for the purposes of this report, any statement regarding compliance with ASTM1527-21 is also an acknowledgment that the report complies with ASTM E1527-13 and the AAI rule. This assessment was also completed in accordance with the First Industrial Realty Trust Scope of Work for Phase I ESAs.

1.1 Purpose

The purpose of the ASTM E1527-21 practice (framework for this Phase I ESA) is to define good commercial and customary practice in the United States of America for conducting an ESA of a parcel of real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (Title 42 United States Code (U.S.C.) Section 9601)) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. Section 9601(35)(B).

In defining a standard of good commercial and customary practice for conducting this Phase I ESA of the Subject Property, the goal of the processes established by the ASTM E1527-21 practice is to identify, to the extent feasible, recognized environmental conditions. The term recognized environmental conditions is defined 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. In addition, controlled recognized environmental conditions, historical recognized environmental conditions and/or de minimis conditions, if identified during the completion of the assessment, are discussed herein. Definitions of these terms and other key terminology relevant to the practice are included in Section 14.0 of this report.

1.2 Scope of the Assessment

In general terms, this Phase I ESA included the acquisition of readily available/accessible and practically reviewable regulatory records and historical information, a site reconnaissance, interviews and preparation of this written report of findings. A more detailed description of the four primary components of the Phase I ESA is presented below.

Records Review - A review of Federal, State, Tribal and local standard ASTM and non-ASTM regulatory databases for a myriad of environmental identifiers including but not limited to properties with underground storage tanks (USTs), properties with leaking USTs, properties that have reported spills/releases that did not occur from a leaking UST, businesses that utilize hazardous materials and/or generate hazardous waste and hazardous waste disposal locations. The regulatory review may also include public records requests with one or more Federal, State, Tribal and/or local agencies. A review of historical sources is also completed to help ascertain previous land uses of the property in question and in the surrounding area.

Subject Property Reconnaissance - A property inspection and viewing of adjacent and surrounding properties for conditions that could be recognized environmental conditions.

Interviews - Interviews with present and past owners, operators and/or occupants of a property and local government officials.

Reporting - Evaluation of the information gathered during the completion of the Phase I ESA and the subsequent preparation of a written report.

1.3 Limitations and Exceptions

Concerns regarding liability under the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. 9601 et seq. (CERCLA) and analogous State laws, have been a primary driver for Phase I ESA assignments in commercial real estate transactions. While the ASTM E1527-21 practice can be used in many contexts, a familiarity with CERCLA and its potential LLPs is critical in understanding and applying the ASTM E1527-21 practice. We advise consultation with legal counsel if further inquiry or information is desired.

AAI represents the minimum level of inquiry necessary to support the LLPs. However, it is important to understand that additional inquiry ultimately may be necessary or desirable for legal as well as business reasons depending upon the outcome of this inquiry and the particular risk tolerances of a given user. For example, additional inquiry may assist a user of a Phase I ESA in determining whether he or she would have continuing obligations in the event he or she acquires a given property and may also assist the user in defining the scope of future steps to be taken to satisfy such obligations. In addition, a user may be concerned about business environmental risks or non-scope ASTM considerations that do not fall within the definition of a recognized environmental condition. In addition, this assessment did not include subsurface or other invasive exploration, unless specifically documented herein. Users are also cautioned that Federal, State, Tribal and local laws may impose environmental assessment obligations that are beyond the scope of the ASTM E1527-21 practice.

The evaluation, opinion and conclusions presented herein are based solely on visual observations and regulatory, historical and personal knowledge related information that existed at the time our assessment was completed. The use of the gathered information is exclusively for the purposes outlined in this report and only for the Site. Our firm can make no warranty, either express or implied, except that the services conducted were performed in accordance with generally accepted environmental assessment practices applicable at the time and location of the assessment and that the conclusions of the assessment have been based in part on professional judgment/experience, an interpretation of readily available data and the standard of care normally followed by similar professionals practicing in a similar locale and under similar circumstances. Any opinions presented cannot apply to Subject Property changes of which our firm is unaware and has not had the opportunity to evaluate. In addition, this report cannot feasibly include any evaluation of undocumented activities at the Subject Property or on adjacent or nearby properties. Lastly, a Phase I ESA meeting or exceeding this practice and

completed less than 180 days prior to the date of acquisition of a given property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid.

1.4 Special Terms and Conditions

This Phase I ESA was prepared in accordance with the terms and conditions of the contract/agreement for the work as executed between our firm and the client. There are no other special terms and conditions established between our firm and the client pertinent to the findings of this ESA or methodology used to complete this assessment. In addition, our firm has no final or other vested interest in the Subject Property or adjacent/surrounding properties, or in any entity that owns or occupies the Subject Property or adjacent/surrounding properties.

1.5 Limiting Conditions and Deviations

There were no significant limiting conditions that would inhibit our ability to identify recognized environmental conditions noted during the completion of this assessment. In addition, there were no deviations from the ASTM E1527-21 standard noted during the completion of this assessment. Any limiting conditions that are not considered to be ones that would inhibit our ability to identify recognized environmental conditions at the Subject Property are referenced in applicable sections of this report.

1.6 Data Failure and Data Gaps

No instances of data failure were encountered during the completion of this assessment. In addition, no data gaps of significance (i.e., those that would inhibit our ability to identify recognized environmental conditions) were identified during the completion of this assessment. Any data gaps that are not considered to be ones that would inhibit our ability to identify recognized environmental conditions at the Subject Property are referenced in applicable sections of this report.

1.7 Reliance

This report has been prepared for the exclusive use of First Industrial Realty Trust, Inc., First Industrial, LP, and First Industrial Acquisitions II, LLC and their Affiliates and Assigns (User). This report may not be relied upon by any other person or entity without the written consent of both our firm and our client. The scope of services performed for this assessment may not be appropriate to satisfy the specific needs of other users, and any use or reuse of this document would be at the sole risk of said users. Any other party seeking liability protection under CERCLA must take independent action to accomplish its objective.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Location and Legal Description

The Subject Property is a reported 22.45 acres and located generally north of Harley Knox Boulevard, south of E Oleander Avenue (unimproved), east of N Webster Avenue and west of Indian Avenue. The Subject Property is further identified by Riverside County APNs 302-020-013, -028, -038, -040, -043, and -048. A Vicinity Map is included as Figure 1. A Site Plan is included as Figure 2.

2.2 Subject Property and Vicinity Characteristics

The Subject Property is situated in an area comprised of vacant land and commercial/light industrial land uses. March Air Force Base is situated to the northwest of the Subject Property.

2.3 Current Use of the Subject Property

The Subject Property is currently vacant and undeveloped.

2.4 Description of Subject Property Improvements

There are no habitable structures present at the Subject Property. A concrete slab is present in the central portion of the Subject Property. Indicators of various utility systems are also present throughout the Subject Property.

2.5 Utilities

Utilities that are reported to be present at the Subject Property or provide service in the surrounding area are noted below along with their municipal provider where applicable.

Utility	Provider (Where Applicable)
Potable Water	Eastern Municipal Water District.
Sewage Maintenance	Eastern Municipal Water District. However, it should be noted that the Subject Property may have be formerly serviced by a septic systems. Septic systems on residential and former agricultural properties are not considered to be recognized environmental conditions.
Electrical	Southern California Edison.
Natural Gas	Southern California Gas.
Solid Waste Disposal	CR&R Waste Services – Perris.

2.6 Description of Adjoining Properties

Adjoining properties are defined as any real property or properties, the border of which is contiguous or partially contiguous with that of the subject property of a Phase I ESA, or that would be contiguous or partially contiguous with that of a subject property but for a street, road, or other public thoroughfare separating them. To the extent feasible, our firm performed a visual inspection of adjoining properties from the Subject Property boundaries and along public right of ways. We did not encroach on to adjoining private property during the completion of this assessment. The following table identifies the adjoining property uses:

Direction	Adjoining Property Use
North	E Oleander Avenue and a drainage, then commercial development (iHerb - 17825 Indian Street).
South	Harley Knox Boulevard, then commercial and industrial development (480 to 495 Harley Knox Boulevard – The Ten Company / Utopia Towels and Fulfillment / Accent Décor / IAA-ACE).
East	Indian Avenue, then commercial development (Triad Magnetics – 460 Harley Knox Boulevard and Wengjo Consulting, Inc. - 400 Harley Knox Blvd).
West	Vacant land. Note a portion of March Air Force Base is present just northwest of the Subject Property.

2.7 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the land use of the Subject Property and improvements at the Subject Property. In addition, the land uses of adjoining properties and properties in the vicinity of the Subject Property do not represent recognized environmental conditions to the Subject Property.

3.0 PHYSICAL SETTING

3.1 Topography

The Subject Property is depicted on the United States Geological Survey (USGS) topographic map for the Perris, California 7.5-minute quadrangle. The Subject Property is shown on the map as being situated at an elevation of approximately 1,470 feet above mean sea level. The Subject Property and surrounding area appear to trend slightly to the east to southeast. There are no improvements or structures depicted on the Subject Property on the map. Adjoining and surrounding roadways are depicted on the map. The Subject Property as depicted on a topographic map is included as Figure 3.

3.2 Hydrology

The Subject Property is situated within the Perris South Hydrologic Area (HA) of the San Jacinto River Basin Hydrologic Unit. There are no known substantial hydrologic features at the Subject Property including major storm drain inlets or obvious drainages, channels, or surface waters. Infiltration of precipitation can be expected at the Subject Property due to its unimproved nature. Any excess water would appear to flow as surface runoff to the west and streets/roadways and surrounding areas of lower elevation. The Subject Property does not appear to receive significant drainage from off-site properties.

3.3 Geology

General geologic information pertaining to the Subject Property is presented in the table below.

Geologic Consideration	Details
California Geomorphic Province	Peninsular Ranges.
Mapped Soils or Formation	Older alluvium, lake, playa and terrace deposits.
Description of Soils or Formation	Slightly to moderately consolidated silts, sands and gravel.
Distance/Direction to Mapped Faults	No known faults are present on the Subject Property. Segments of the San Jacinto Fault and Elsinore Fault is located to the north and south of the Subject Property, respectively.

3.4 Hydrogeology

General hydrogeologic information pertaining to the Subject Property is presented in the table below.

Hydrogeologic Consideration	Details
Groundwater Basin or Unit	Perris South HA.
Beneficial Uses	Municipal and agricultural.
Estimated Depth to Groundwater	Anticipated to be greater than 50 feet below the surface.
Estimated Flow of Groundwater	East to southeast.

Hydrogeologic Consideration	Details
Known Subject Property or Regional Groundwater Contamination Issues	Refer to Sections 5.1 and 9.0.

3.5 Oil and Gas Exploration

According to online resources provided by the California Department of Conservation, Geologic Energy Management Division (CalGEM), there are no oil, gas or geothermal wells located on the Subject Property or its adjacent properties.

3.6 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with Subject Property physical setting considerations. In addition, physical setting considerations related to the adjoining properties and properties in the vicinity of the Subject Property do not represent recognized environmental conditions to the Subject Property.

4.0 USER PROVIDED INFORMATION

A representative of the User of this report was interviewed during the completion of this assessment (questionnaire included in Appendix A). The questions posed during the interview are defined by the ASTM E1527-21 practice. The User also provided our firm with any land title records and judicial records that may be available for the Subject Property as part of the required evaluation for environmental liens and activity and use limitations (AULs) in connection with the subject property of a Phase I ESA. As stated in the ASTM E1527-21 practice, it is the responsibility of the user of the report to provide any available records pertaining to environmental liens and AULs that may exist in connection with a given property. Any land title and judicial records provided to our firm are discussed below. If such information is not discussed in the sections below, it was not provided by the user of the report.

In addition to the contact information obtained, the user of the report was also asked if they are aware of other useful documents that may exist and if so whether copies can be provided to the environmental professional within reasonable time and cost constraints. A list of typical useful documents is included in Section 10.8.1 of the ASTM E1527-21 practice and include but are not limited to environmental assessment reports, compliance audits and permits, registrations for tank and other aboveground or underground systems, safety plans, spill prevention and other facility related plans and geological/geotechnical studies and environmental governmental agency notices and/or correspondence.

4.1 Title Records

The User reported that title records pertaining to the Subject Property were reviewed, and no environmental liens or AULs were identified**.**

4.2 Environmental Liens

The User is unaware of environmental liens in connection with the Subject Property.

4.3 Activity and Use Limitations

The User is unaware of AULs in connection with the Subject Property.

4.4 Specialized or Actual Knowledge or Experience

The User is unaware of specialized knowledge, actual knowledge or experience that is material to recognized environmental conditions in connection with the Subject Property.

4.5 Commonly Known or Reasonably Ascertainable Information

The User is unaware of commonly known or reasonably ascertainable information within the local community that is material to recognized environmental conditions in connection with the Subject Property.

4.6 Valuation Reduction for Environmental Issues

The User is unaware of information pertaining to an undervalued purchase price of the Subject Property relative to the estimated fair market value of the Subject Property due to the presence of contamination.

4.7 Owner, Property Manager, and Occupant Information

The Subject Property parcels are currently owned and managed by Kim Yong Sook (APNs 302-020-043 and -048 – owner since 2014), Stephen R Herring Trust (APNs 302-020-013, -028, and -038 – owner since 2004) and Lily Cerrato (APN 302-020-040 – owner since 2015).

4.8 Reason for Performing Phase I ESA

The User has commissioned this Phase I ESA as part of a proposed real estate transaction (acquisition and development). The Phase I ESA is also being completed to assist the client in complying with 40 CFR Part 312.

4.9 Proceedings Involving the Subject Property

The User is unaware of pending, threatened, or past litigation and administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property. The client is also unaware of notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products in connection with the Subject Property.

4.10 Other Provided Documents

Our firm was not provided with any previous reports.

4.11 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the user provided information.



5.0 REGULATORY RECORDS REVIEW

Our firm commissioned the preparation of a regulatory database report from Environmental Risk Information Services (ERIS) as part of the regulatory records review. ERIS searches a myriad of Federal, State, and local government environmental databases during the preparation of their deliverables. Certain databases are specifically required by the ASTM E1527-21 practice and are referenced as "standard ASTM regulatory databases." Such databases are searched to at least the minimum search distance around a given property as defined in the practice. Other regulatory databases are also searched that are not specifically referenced in ASTM E1527-21. Such databases are referenced as "non-ASTM regulatory databases" and are searched as varying radii around a given property as selected by ERIS.

Descriptions of each database searched and the dates that the regulatory databases were last updated by the applicable agencies are included in the ERIS report. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of an updates. ERIS updates databases in accordance with ASTM E1527-21 which states that government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public.

Our firm also reviewed unplottable sites listed in the database report by cross-referencing reasonably ascertainable information pertaining to such properties that may include facility names, street names, zip codes or other information. Unplottable sites are ones that cannot be formally mapped or geocoded due to various reasons, including limited geographic information. Any unplottable sites that we identify within the specified search radii have been evaluated as part of the preparation of this report. A copy of the regulatory database report is included in Appendix B.

5.1 Standard ASTM Regulatory Database Search

The tables below present the standard Federal, State, Tribal and local ASTM databases that were searched by ERIS including the search distances from the Subject Property. Below the tables are descriptions of any listings for the Subject Property that may appear in the databases. In addition, a discussion of adjoining properties or properties in the Subject Property vicinity that are listed in one or more regulatory databases that in our professional judgment and opinion have the potential to adversely impact the Subject Property due to current or former releases of hazardous substances and/or petroleum products that occurred at said properties is presented. This practice of discussing only properties of potential environmental concern to the Subject Property is noted in ASTM E1527-21 which states that the environmental professional may make statements applicable to multiple properties listed in regulatory databases that are not likely to have current or former releases of hazardous substances and/or petroleum products with the potential to migrate to the a given subject property. Our professional judgment and opinions discussed herein are based on several factors including the nature of the regulatory database listings, distance of the off-site listed properties from the Subject Property, orientation of the listed properties relative to the Subject Property, interpreted the direction of groundwater flow and/or regulatory case status information for the various properties as described in the databases.



The following Federal standard ASTM databases were searched:

Standard Environmental Record Source Name	ERIS Regulatory Database Identification	Search Distance From Subject Property (Miles)
National Priorities List (NPL) Site List	NPL – Proposed NPL – Superfund Record of Decision (ROD)	1.0
Delisted NPL Site List	Deleted NPL	0.5
Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) List	CERCLIS - SEMS – SEMS Archive – ODI – IODI – CERCLIS LIENS – SEMS LIENS	0.5
CERCLIS List	CERCLIS LIENS – SEMS LIENS	Subject Property
CERCLIS No Further Remedial Action Planned (NFRAP) Site List	CERCLIS NFRAP	0.5
Resource Conservation and Recovery Act (RCRA) Corrective Action Sites (CORRACTS) Facilities List	RCRA CORRACTS	1.0
RCRA Non-CORRACTS Treatment, Storage and Disposal (TSD) Facilities List	RCRA TSD	0.5
RCRA Generators List	RCRA LQG – RCRA SQG – RCRA CESQG – RCRA NON-GEN – BULK TERMINAL – REFN – FEMA Underground Storage Tank (UST)	0.25
Institutional Control/Engineering Control Registries	FED ENG – FED INST – FED Brownfields	0.5
Emergency Response Notification System (ERNS) List	ERNS – ERNS 1982 to 1986 – ERNS 1987 to 1989	Subject Property

Subject Property – The Subject Property is not listed on the standard Federal ASTM regulatory databases.

Adjoining Properties – Two adjoining properties are listed on the standard Federal ASTM regulatory databases as described below:

- **Interinsurance Exchange of The Automobile Club (775 Harley Knox Boulevard)** - This south-adjacent property is listed on the RCRA NON GEN database. The business is identified by the EPA Handler ID CAL000452880. No violations or incidents indicative of releases of hazardous substances or petroleum products to the subsurface were referenced in the database listing. This property is not considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the property from the Subject Property, orientation of the property relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory status information.
- **All American Asphalt (4770 Indian Street)** – This southeast-adjacent property is listed on the RCRA NON GEN database. The business is identified by the EPA Handler ID CAL000335241. No violations or incidents indicative of releases of hazardous substances or petroleum products to the subsurface were referenced in the database listing. This property is not considered a recognized environmental condition to the Subject Property. This opinion is

based on the distance of the property from the Subject Property, orientation of the property relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory status information.

- **March Air Force Base –** The Subject Property is situated adjacent to the southeast corner of March Air Force Base. The base is listed on the NPL, SEMS, CECLIS, FED ENG, FED INST, SUPERFUND ROD and PFAS NPL databases. The base reportedly covers approximately 7,000 acres and has historically served as a training base and refueling operations base. Operations (including aircraft maintenance and repair) reportedly involved use and disposal of various chemicals and wastes including chlorinated solvents. Various areas of concern have been identified and affected by spills/releases from historical base operations. The Air Force is the responsible party for remediation and investigation pursuant to a 1995 Record of Decision under the oversight of the United States EPA, Regional Water Quality Control Board and Department of Toxic Substances Control. Three zones of groundwater contamination beneath the base were identified and wells on base were shut down in the late 1980s and were later properly destroyed. Groundwater contamination has migrated to wells located off base that are no longer in use. However, a groundwater containment system has been installed to prevent off-property groundwater migration and the off-property plume is being monitored. The base's long-term cleanup is ongoing and more recent assessment work in connection with the base has focused on per- and polyfluoroalkyl substances (PFAS) as emerging contaminants of concern.

  Primary areas of concern in connection with the base are known as Operable Units (OU). The closest OU to the Subject Property is identified as "Site 38 Building 1305 PCB Contamination" and is mapped approximately 0.65-miles to the north of the Subject Property. The myriad of other OUs are situated at least one-mile from the Subject Property and primarily hydrologically cross-gradient from the Subject Property. There are no operations of concern on the base property immediately adjoining the Subject Property (flight path for the nearby runway to the northwest). Based on a review of the 2019 Five-Year Review Report and December 2020 Per and Polyfluoroalkyl Substances (PFAS) Site Inspection Report, no groundwater contamination from March Air Force Base has migrated to the Subject Property, with the exception of PFAS. The interpolated extent of PFOS (perfluorooctane sulfonic acid) and PFOS + PFOA (perfluorooctanoic acid) in the upper aquifer (85 to >100 feet bgs) at concentrations greater than the health advisory threshold (70 ng/L) encroaches upon the eastern portion of the Subject Property. Deeper groundwater (>200 feet bgs) under the Subject Property has also been impacted with PFOA and PFAS. Given that PFAS is not a CERCLA hazardous substance and there is no documented or suspected use or release of PFAS at the Subject Property, this finding is not considered to be a recognized environmental condition. Furthermore, groundwater is over 50 feet bgs and no water wells are present on the Subject Property. The future development of the Subject Property will be serviced by municipal water sources. The Air Force is the Responsible Party for addressing the documented PFAS groundwater contamination under the oversight of the US EPA, the Water Board and the DTSC; therefore, no further action/investigation is warranted by the User for this finding. The March Air Force Base PFAS plume will not impact the intended utilization of the Subject Property (industrial warehouse building)

Other Properties – There are five listings on the standard Federal ASTM regulatory databases pertaining to multiple properties in the surrounding area including RCRA TSD (one listing) and RCRA NON GEN (four listings). None of these properties are considered a recognized environmental



condition to the Subject Property. This opinion is based on the distance of the off-site listed properties from the Subject Property, orientation of the listed properties relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory case status information for the various properties as described in the databases.

The following State, Tribal and local standard ASTM databases were searched:

Standard Environmental Record Sources Name	ERIS Regulatory Database Identification	Search Distance From Subject Property (Miles)
Equivalent NPL	RESPONSE	1.0
Equivalent CERCLIS	ENVIROSTOR – DELISTED ENVS – HWP - HHSS	0.5
Landfill and/or Solid Waste Disposal Site Lists	SWF/LF – LDS – SWAT – SWRCB SWF	0.5
Leaking Storage Tank Lists	LUST – DELISTED LST – UST CLOSURE – CLEANUP SITES – INDIAN LUST – DELISTED ILST – RIVERSIDE LOP	0.5
Registered Storage Tank Lists	UST – AST – DELISTED TNK – CERS TANK – DELISTED CTNK – HIST TANK – INDIAN UST – DELISTED IUST – DELISTED COUNTY – UST RIVERSIDE	Subject Property and Adjoining Properties
Institutional Control/Engineering Control Registries	LUR – HLUR - DEED	Subject Property
Voluntary Cleanup Sites	VCP	0.5
Brownfield Sites	Not Applicable – No Database Exists	0.5

Subject Property – The Subject Property is not listed on the State, Tribal and local standard ASTM regulatory databases.

Adjoining Properties – With the exception of the previously referenced and southwest-adjoining All American Asphalt property (4770 Indian Avenue), no adjoining properties are listed on the State, Tribal and local standard ASTM regulatory databases. This property is listed on the CERS TANK database for an aboveground petroleum storage tank. No releases have been reported. This property is not considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the property from the Subject Property, orientation of the property relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory status information.

Other Properties – There are seven listings on the State, Tribal and local standard ASTM regulatory databases in the surrounding area that are identified on the SWF/LF (one listing), C&D DEBRIS RECY (one listing), RECYCLING (one listing), HHSS (one listing), UST SWEEPS (one listing), and HIST TANK (one listing). None of these properties are considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the off-site listed properties from the Subject Property, orientation of the listed properties relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory case status information for the various properties as described in the databases.

5.2 Non-ASTM Regulatory Database Search

A myriad of non-ASTM regulatory databases was searched by ERIS as noted in the regulatory database report.

Subject Property – The Subject Property is not listed on the non-ASTM regulatory databases.

Adjoining Properties – Four adjoining properties are listed on one or more of the non-ASTM databases as noted below:

- Temp Power Systems – 480 Oleander Avenue – DELISTED HAZ, FINDS/FRS and HAZNET
- Berry Direct – 511 Harley Knox Boulevard – CERS HAZ and HZH Riverside
- UPS Supply Chain Solutions – 17825 Indian Street – CERS HAZ and HZH Riverside
- All American Asphalt – 4770 Indian Avenue – EMISSIONS, HWG Riverside and HZH Riverside

No incidents indicative of releases of hazardous substances or petroleum products to the subsurface were referenced in the database listings. In addition, violations noted were administrative in nature only and there are no references to chlorinated solvent use noted for the businesses. None of these properties are considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the off-site listed properties from the Subject Property, orientation of the listed properties relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory case status information for the various properties as described in the databases.

Other Properties – There are three listing on the non-ASTM regulatory databases in the surrounding area including RECYCLING (one listing), C&D DEBRIS RECY (one listing), and DELISTED HAZ (one listing). None of these properties are considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the off-site listed properties from the Subject Property, orientation of the listed properties relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory case status information for the various properties as described in the databases.

5.3 Regulatory Agency File Reviews

If a property being assessed under a Phase I ESA or any of the adjoining properties are identified on one or more of the above referenced standard environmental record sources, pertinent regulatory files and/or records associated with such listings should be reviewed to assist the environmental professional in evaluating if recognized environmental conditions existing at a given subject property in connection with any listings. However, if in the environmental professional's opinion, such a review is not warranted, file reviews need not be conducted if the environmental professional provides justification for not doing so.

Agency file reviews for the Subject Property completed during this assessment are noted below. No file reviews for adjoining properties or properties in the surrounding area were deemed warranted with the exception of research completed on the State Water Resources Control Board GeoTracker database regarding properties in the surrounding area of the Subject Property. The agency inquiries were performed by way of on-line searches/queries of published databases and/or direct inquiries with public records clerks at one or more agencies. Both Daniel Weis and Samantha Weis of Weis Environmental conducted the agency file reviews during the completion of this assessment. Copies of regulatory agency records are included in Appendix C.

Regulatory Agency	Jurisdiction	Date of Inquiry or Request	Contact	Response or Information From Agency
United States EPA Envirofacts/ECHO/ TRIS	Federal	11/1/2021	Online https://enviro.epa.gov/ https://echo.epa.gov/facilities/facility-search https://www.epa.gov/toxics-release-inventory-tri-program	No Records Identified
California DTSC	State	11/1/2021	Online https://www.envirostor.dtsc.ca.gov/public https://hwts.dtsc.ca.gov/report_list.cfm Public Records Clerk	No Records Identified
State Water Resources Control Board/Regional Water Quality Control Board	State	11/1/2021	Online https://geotracker.waterboards.ca.gov/ https://geotracker.waterboards.ca.gov/historical_ust_facilities Public Records Clerk	No Records Identified
Riverside County	Local	11/1/2021	Public Records Clerks	No Records Identified
City of Perris	Local	11/1/2021	Public Records Clerk	Records Identified

As shown in the table above, with the exception of the City of Perris, no records pertaining to the Subject Property were identified with the various agencies contacted. City of Perris records included several building permits for structures (including agricultural hot houses), utilities, etc. No records of environmental concern were identified.

5.4 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the regulatory records searches. In addition, regulatory resources related to the adjoining properties and properties in the vicinity of the Subject Property do not represent recognized environmental conditions to the Subject Property.

6.0 HISTORICAL RESOURCE REVIEW

The objective of consulting historical sources is to develop a history of the previous uses of a property and surrounding area, in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with a given property. The goal of the historical research is to identify all obvious uses of a subject property from the present, back to the property's first developed use, or back to 1940, whichever is earlier. The environmental professional exercises professional judgment in reviewing only as many of the standard historical sources referenced in ASTM E1527-21 that are deemed necessary, are reasonably ascertainable and are likely to be useful. Historical resources reviewed during the completion of this assessment are referenced below. Copies of the historical resources are included in Appendix D.

6.1 Aerial Photographs

We reviewed historical aerial photographs from the years 1938, 1953, 1958, 1966, 1970, 1976, 1980, 1985, 1994, 1997, 2002, 2004, 2005, 2006, 2010, 2012, 2014, 2016, 2018, and 2020 provided by ERIS. The table below presents the results of the photograph review.

Photograph Year	Subject Property Observations	Adjoining Property Observations
1938-1994	The Subject Property is utilized for agricultural purposes (row crops).	Primarily agricultural development.
1997	The Subject Property is used for agricultural purposes. Two residential/small shed structures are noted along the northeast and central portions of the Subject Property.	Similar to the prior photographs, with some structural development.
2002-2006	The Subject Property is a combination of agricultural land and vacant/undeveloped land. The previous structures are no longer visible, except for remnants of building pads. Harley Knox Boulevard is located along the southern boundary of the Subject Property.	Primarily agricultural land with some structural development.
2010-2018	The Subject Property is a combination of agricultural land and vacant land. A concrete pad is noted in the central portion of the Subject Property. What appears to be concrete, or debris is noted in the north-central portion of the Subject Property.	Combination of agricultural, vacant, and commercial development.
2020	The Subject Property is similar to its current configuration.	Generally similar to their current configurations.

As stated above, the Subject Property has been historically used for agricultural purposes (row crops). During historical agricultural activities throughout the State of California, various pesticides and more specifically organochlorine pesticides were commonly applied during the normal course of agricultural operations. Such compounds have since been banned from production and use in the United States. Based on the regulatory and historical research completed during the preparation of this assessment, no information has been revealed that would lead us to believe that an accidental spill or release of

pesticide products has occurred at the Subject Property. As such, the potential presence of residual agricultural chemicals in Subject Property soils is not considered to be a recognized environmental condition in connection with the Subject Property.

6.2 Topographic Maps

We reviewed historical topographic maps from the years 1942, 1953, 1967, 1973, 1979 and 2015 provided by ERIS. The Subject Property and its adjoining properties are vacant on all of the maps. March Air Force Based is mapped to the northwest on maps beginning in 1953.

6.3 City Directories

Our firm reviewed city directories dated ranging in date from 1971 to 2020 provided by ERIS. The Subject Property was not listed on any of the city directories reviewed. Adjoining and nearby properties are referenced as various business names of no environmental concern beginning in 2016. None of the listings are considered a recognized environmental condition to the Subject Property.

6.4 Other Historical Sources

Other historical sources are referenced in the ASTM E1527-21 practice as any source or sources other than the standard historical sources referenced in the practice that are credible to a reasonable person and that identify past uses of a subject property. This category includes, but is not limited to miscellaneous maps and directories, newspaper archives, internet sites, community organizations, local libraries, historical societies, current owners or occupants of neighboring properties, or records in the files and/or personal knowledge of the property owner and/or occupants. No historical sources other than the standard sources described above were deemed necessary and useful to assist in identifying recognized environmental conditions.

6.5 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the historical resources reviewed. In addition, historical resources related to the adjoining properties and properties in the vicinity of the Subject Property did not reveal recognized environmental conditions to the Subject Property.

7.0 SUBJECT PROPERTY RECONAISSANCE

The objective of the Subject Property reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with a subject property. The Subject Property visit for our assessment was completed on January 12, 2022, by Daniel Weis. We were unaccompanied during the reconnaissance.

7.1 Methodology and Limiting Conditions

The Subject Property reconnaissance consisted of observing the Subject Property on foot via various transects and walking publicly accessible areas surrounding the Subject Property. No significant limiting conditions of the Subject Property inspection were noted. Select photographs of the Subject Property obtained during the Subject Property reconnaissance are included in Appendix E.

7.2 Current General Subject Property and Vicinity Characteristics

The Subject Property is situated in an area comprised of vacant land and commercial/light industrial land uses. March Air Force Base is situated to the northwest of the Subject Property. The Subject Property is currently vacant and undeveloped. The current use of the Subject Property and adjoining properties are not ones that are indicative of the use, treatment, storage disposal or generation of hazardous substances or petroleum products that may have impacted the Subject Property.

7.3 Indications of Past Subject Property and Vicinity Uses

There are no material differences between the current and past uses of the Subject Property, adjoining properties and the surrounding area Subject Property that were visually and/or physically observed during the Subject Property reconnaissance that pertain to recognized environmental conditions.

7.4 Subject Property-Specific Observations

We examined the Subject Property for the features and conditions noted in the table below.

Feature or Condition	Details
General Description of Structures	There are no habitable structures present at the Subject Property. A concrete slab is present in the central portion of the Subject Property. Indicators of various utility systems are also present throughout the Subject Property.
Drains and Sumps	None observed.
Heating/Cooling Systems	None observed.
Potable Water Supply	Eastern Municipal Water District.
Roads	None on the Subject Property. Harley Knox Boulevard and Indian Avenue are located on the south and east side of the Subject Property, respectively.
Septic Systems / Sewage Disposal System	Eastern Municipal Water District. However, it should be noted that the Subject Property may have be formerly serviced by a septic systems. Septic systems on residential and former agricultural properties are not considered to be recognized environmental conditions.

Feature or Condition	Details
Wastewater and Stormwater Discharges	None observed.
Wells	None observed.
Drums	None observed.
Electrical or Hydraulic Equipment Known to Contain PCBs or Likely to Contain PCBs	None observed.
Hazardous Substances and Petroleum Products in Connection with Identified Uses	None observed.
Hazardous Substance and Petroleum Products Not Necessarily in Connection With Identified Uses	None observed.
Odors	None noted.
Pits, Ponds or Lagoons	None observed.
Pools of Liquid	None observed.
Solid Waste (Including Fill Material)	Miscellaneous trash and debris was observed in various portions of the Subject Property. Such materials included concrete rubble, landscape waste, abandoned appliances, automobile tires, brick fragments, miscellaneous paper, plastic and glass products and other inert materials.
Stained Soil or Pavement	Non observed.
Stains or Corrosion	None observed.
Chemical Storage Tanks	None observed.
Stressed Vegetation	None observed.
Unidentified Substance Containers	None observed.

7.5 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the current use of the Subject Property during the Subject Property reconnaissance. In addition, no current uses of the adjoining properties or properties in the surrounding area that were visually and/or physically observed during the Subject Property reconnaissance were noted as recognized environmental conditions to the Subject Property.

8.0 INTERVIEWS

8.1 Subject Property Owner

The Subject Property parcels are currently owned by Kim Yong Sook (APNs 302-020-043 and -048 – owner since 2014), Stephen R Herring Trust (APNs 302-020-013, -028, and -038 – owner since 2004) and Lily Cerrato (APN 302-020-040 – owner since 2015). The Subject Property owners are reportedly unaware of environmental concerns in connection with the Subject Property.

8.2 Key Site Manager

The Subject Property owners are also considered to be the Key Site Managers. Please refer to Section 8.1 above.

8.3 Current Occupants

The Subject Property is currently vacant and undeveloped land with no known occupants.

8.4 Local Government Official

During the preparation of this assessment, public records clerks from the City of Perris, State of California and Riverside County were contacted by our firm regarding the Subject Property. Agency representatives indicated that public records requests should be conducted in order to obtain information known by the agencies regarding the Subject Property. Public records requests were completed by our firm as described in Section 5.3.

8.5 Other Parties

Interviews with other persons were not conducted during the preparation of this assessment. As stated in the ASTM E1527-21 practice, interviews with past owners, operators and occupants of a subject property who are likely to have material information regarding the potential for contamination at a given property shall be conducted to the extent that they have been identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. Interviews with persons with past association with the Subject Property were not deemed warranted during the completion of this assessment.

8.6 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the interviews completed during the assessment.

9.0 ADDITIONAL SERVICES – NON-SCOPE ASTM CONSIDERATIONS

Several non-scope ASTM considerations are referenced in the ASTM E1527-21 practice that a user of a report may wish to evaluate. Listed considerations in the practice include asbestos-containing building materials, biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality (unrelated to releases of hazardous substances or petroleum products into the environment), industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance and wetlands. No implication is intended by the practice as to the relative importance of inquiry into such non-scope considerations, and the list of considerations is not intended to be all-inclusive.

Asbestos and Lead-Based Paint – No suspect lead-based paint was observed at the Subject Property. A concrete slab containing remnant floor tile was observed in the central portion of the Subject Property. An asbestos survey has been prepared and submitted to the client under separate cover. No asbestos was identified.

Landmark/Historical/Cultural Significance Review - Archeological/cultural and paleontological assessments of the Subject Property have been completed concurrently with this Phase I ESA. The results of the studies have been provided to the client under separate cover. No significant findings were reported.

Lead in Drinking Water - According to the most recent water quality report prepared by the City of Perris, the drinking water supplied to the area is in compliance with all Federal and State regulations.

National Pollution Discharge Elimination System (NPDES) – We are unaware of current NPDES related requirements that pertain to the Subject Property.

PFAS – There are no historical or current Subject Property uses that are indicative of scenarios where releases of such compounds have occurred. Refer to Section 5.1 for additional information.

Pipelines – Based on a review of the National Pipeline Mapping System. No pipelines used for the conveyance of oil, gas or other hazardous substances are present at the Subject Property.

Radon Potential - The Subject Property is located within United States EPA Radon Zone 2 which has predicted average indoor levels of radon between 2 and 4 picocuries per liter. Radon is not considered to be a concern at the Subject Property.

Wellfield/Groundwater Protection Areas – The Subject Property is not situated in a known wellfield/groundwater protection area.

Wetlands and Threatened/Endangered Species - A biological assessment of the Subject Property has been completed concurrently with this Phase I ESA. The results of the study have been provided to the client under separate cover. No wetlands were noted at the Subject Property and no significant biological findings were reported.

No other additional services were completed by our firm during the preparation of this assessment.



10.0 FINDINGS AND OPINIONS

No features and/or conditions indicating the presence or likely presence of hazardous substances and/or petroleum products at the Subject Property that are considered to have the potential to adversely impact the Subject Property were identified during the completion of this assessment.

11.0 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM International Practice E1527-21 of the Subject Property located at 657 Harley Knox Boulevard in the City of Perris, Riverside County, California (Riverside County APNs 302-020-013, -028, -038, -040, -043, and -048). Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report. This assessment has revealed no evidence of recognized environmental conditions, controlled recognized environmental conditions or historical recognized environmental conditions in connection with the Subject Property. Additional assessment at the Subject Property is not considered to be warranted at this time.

12.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in Section 312.10 of 40 CFR. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Qualifications of personnel involved with the completion of this report are included in Appendix F.



Daniel Weis, R.E.H.S.
Environmental Manager

13.0 ASSUMPTIONS

No Phase I ESA effort can eliminate uncertainty regarding the potential for recognized environmental conditions to exist in connection with a given property. Performance of the ASTM E1527-21 practice may reduce such uncertainty but in no way should the findings and report be misconstrued as insurance or a guarantee regarding the potential for recognized environmental conditions in connection with a given property. The ASTM E1527-21 practice recognizes reasonable limits of time and cost relative to the completion of a Phase I ESA.

During the completion of this ESA, our firm relied on certain information obtained from secondary sources, including but not limited to the user of the report, government agencies, historical research business entities, environmental databases, and interviews with one or more persons. The sources obtained and/or consulted are assumed to be reliable. However, our firm cannot warranty or guarantee that the information provided by these other sources is wholly accurate or complete. Our firm is not responsible for any misrepresentations or false statements that may be provided by others or the lack of pertinent/relevant information that should have been provided/disclosed by others and we assume no responsibility for any consequence as a result of such omissions or withheld information.

Accuracy and completeness of records varies among information sources, including from governmental agencies. As a result, there is a possibility that even with the proper application of the methodologies presented in ASTM E1527-21, conditions may exist that could not be identified within the scope of this assessment or which were not reasonably identifiable from the available information. In addition, any responses received from Federal, State, Tribal, and local regulatory agency secondary sources of information after the issuance of this report may change certain findings and conclusions of this report.

Estimations and opinions regarding the potential for off-Site properties to adversely impact a given subject property is one of the key components of a Phase I ESA. In most cases, recent property-specific or adjacent-property specific measured groundwater data or other hydrogeological information is not reasonably ascertainable. In the absence of such data, reasonable assumptions regarding the depth and flow of groundwater are made based on various sources including comparisons to surface elevations, land topography and available hydrogeological on the State of California Geotracker database. In addition, estimations and opinions regarding potential impacts from off-site locations may be based on certain assumptions that a hazardous substance or petroleum product may not migrate laterally within unsaturated soil for a substantial distance and that contaminants that have reached saturated soil and groundwater may attenuate over time and/or may decrease in concentration relative to distance from its source. While any interpretations presented herein may be effective in reducing uncertainty regarding potential impacts to a subject property from off-site locations, in no way should the findings and report be misconstrued as insurance or a guarantee regarding the potential for such impacts to occur. Greater certainty regarding subsurface conditions at a given property can only be achieved by way of a subsurface sampling effort of one or more media.

14.0 DEFINITIONS

Definitions of key terminology relevant to the ASTM E1527-21 practice are presented below.

Recognized Environmental Condition - 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.

Controlled Recognized Environmental Condition - 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).

Data Failure - A failure to achieve the historical research objectives as outlined in the ASTM E1527-21 practice even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

Data Gap - A lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by the ASTM E1527-21 practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). Data gaps are only considered to be significant if they affect the ability of the environmental professional to identify recognized environmental conditions.

De Minimis Condition - A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Environment - (A) the navigable waters, the waters of the contiguous zone, and the ocean waters of which the natural resources are under the exclusive management authority of the United States under the Magnuson-Stevens Fishery Conservation and Management Act [16 U.S.C. §§ 1801 et seq.], and (B) any other surface water, groundwater, drinking water supply, land surface or subsurface strata, or ambient air within the United States or under the jurisdiction of the United States.

Good Faith - The absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

Hazardous Substance - Includes hazardous substances designated under section 311 of the Clean Water Act (CWA) or Section 102 of CERCLA, any toxic pollutant listed under Section 307(a) of the CWA, any waste that has been listed as a RCRA hazardous waste or possesses a RCRA hazardous waste characteristic, any substance that is identified as a hazardous pollutant under Section 112 of the Clean Air Act (CAA), and any imminently hazardous chemical that EPA has taken action pursuant to Section 7 of the Toxic Substances Control Act (TSCA).

Historical Recognized Environmental Condition - A past release of any hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority or

meeting unrestricted use criteria established by a regulatory authority, without subjecting the property in question to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Petroleum Exclusion – While the definition of a CERCLA hazardous substance specifically excludes petroleum products and crude oil, the EPA has determined that the petroleum exclusion applies to petroleum products such as gasoline and other fuels containing lead, benzene or other hazardous substances that are normally added during the refining process. Notwithstanding the existence of the petroleum exclusion, petroleum products are included within the scope of the ASTM E1527-21 practice for multiple reasons. Petroleum products have historically been widely used at commercial properties. In addition, other federal and state laws may impose liability for releases or spills of petroleum products.

Reasonably Ascertainable Information - Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints and (3) practically reviewable.

Release or Threatened Release - Spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping or disposing into the environment (including the abandonment or discarding of barrels, containers and other closed receptacles containing any hazardous substance, or pollutant or contaminant).

15.0 REFERENCES

Sources of information consulted during the completion of our Phase I ESA are noted in the sections below.

15.1 Documents, Plans and Reports

- All Appropriate Inquiry" as necessary to satisfy the defenses available under 42 U.S.C. §§ 9607(b)(3), 9607(r)(1), and 9607(q), relying on definitions provided at 42 U.S.C. §§ 9601(35)(B); and as further explained in 40 CFR §§ 312.1 – 312.31.
- ASTM International, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E 1527-21, 2021
- California Geological Survey, 2002, California Geomorphic Provinces Note 36, Electronic Copy, Revised December.
- California State Water Resources Control Board, Water Quality Control Plan for the Santa Ana River Basin (8), California, Published 2008.
- ERIS Database Report dated December 28, 2021.
- ERIS City Directory Report dated January 4, 2022.
- ERIS Historical Aerials Report dated December 29, 2021.
- USGS topographic map, Perris, California Quadrangle (2018).

15.2 Personal Communications

- Public Records Clerks – City of Perris, County of Riverside, State of California

15.3 Agencies Consulted

- California Department of Conservation, Geologic Energy Management Division (CalGEM)
- California Department of Toxic Substances Control
- California State Water Resources Control Board
- City of Perris
- County of Riverside
- United States EPA

FIGURES

FIGURE 1
VICINITY MAP



Figure 1 - Vicinity Map

First Harley Knox II
657 Harley Knox Boulevard
Perris, California

N

Prepared by:

Weis Environmental
1938 Kellogg Avenue, Suite 116
Carlsbad, CA 92008

FIGURE 2
SITE PLAN



Figure 2 - Site Plan

First Harley Knox II
657 Harley Knox Boulevard
Perris, California

N

Prepared by:

Weis Environmental
1938 Kellogg Avenue, Suite 116
Carlsbad, CA 92008

Weis ENVIRONMENTAL

FIGURE 3
TOPOGRAPHIC MAP

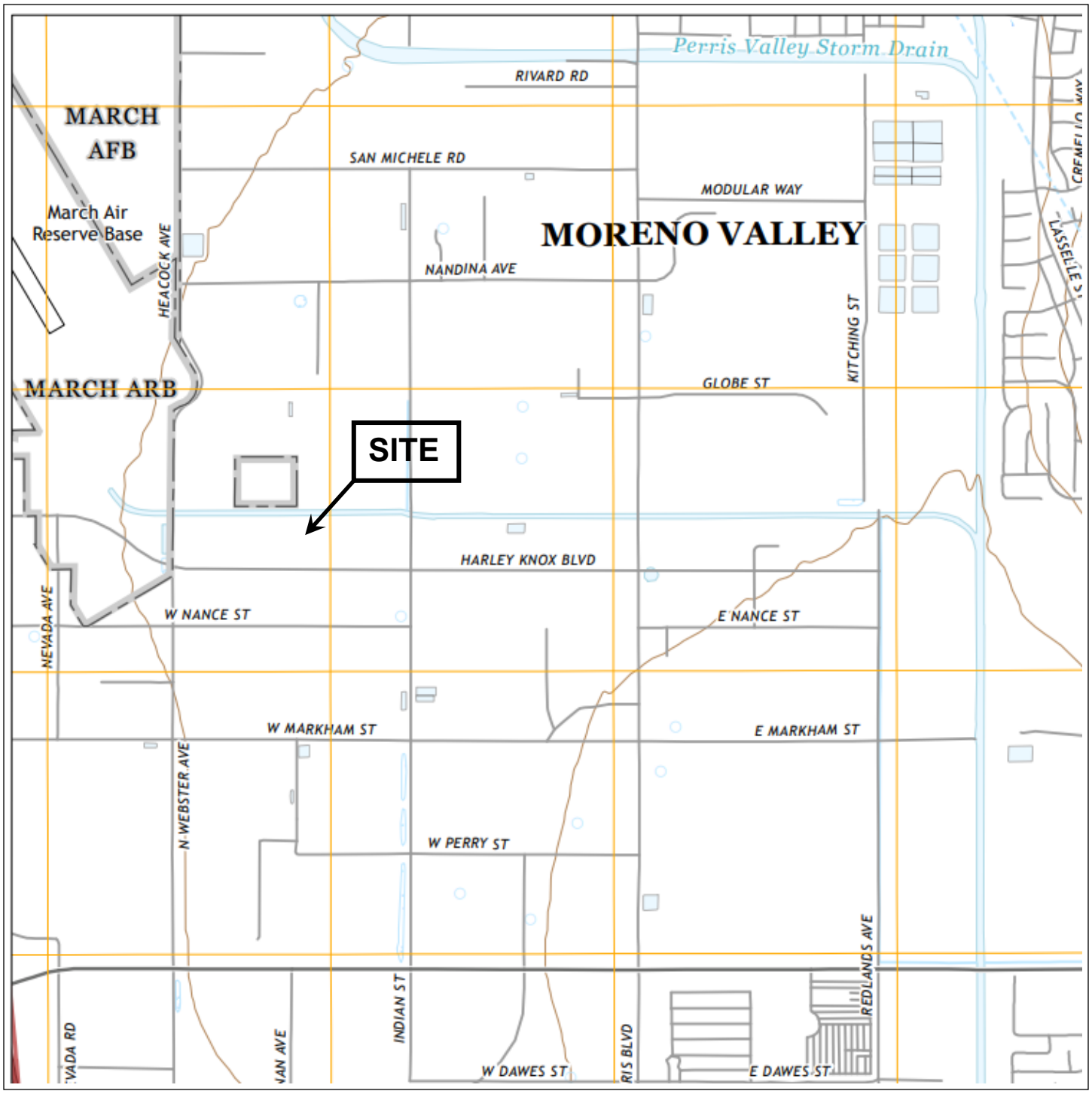


Figure 3 - Topographic Map

First Harley Knox II
657 Harley Knox Boulevard
Perris, California

N

Prepared by:

Weis Environmental
1938 Kellogg Avenue, Suite 116
Carlsbad, CA 92008

Weis ENVIRONMENTAL

APPENDICES

APPENDIX A
USER PROVIDED INFORMATION

Due Diligence Environmental Questionnaire – ***User***

Site Name - First Harley Knox II, Perris, California

Return to dw@weisenviro.com

Completed by: Jacob Kentnich

Company or Organization: First Industrial Realty Trust

Title: Environmental Risk Analyst

Date: 01/03/2022

1.) Are you aware of any environmental cleanup liens that are filed or recorded against the subject property?

No.

2.) Are you aware of any activity and land use limitations that are in place on the property that have been filed or recorded in a registry?

No.

3.) Are you aware of any specialized knowledge or experience related to the property or nearby properties that is pertinent to potential adverse environmental conditions?

No.

4.) Does the proposed purchase price to be paid reasonably reflect the fair market rate for this type of property?

Yes.

5.) If there is a significant difference between the proposed purchase price and fair market value, have you considered whether the proposed purchase price is due to known or suspect contamination at the property?

Not applicable.

6.) Are you aware of commonly known or reasonably obtainable information that would help us to identify conditions indicative of releases or threatened releases of hazardous wastes/materials at the property? Such information includes knowledge of specific chemicals that are present or were once present on the property, spills or other chemicals releases that may have occurred, underground or aboveground storage tanks and environmental cleanups that have been conducted on the property.

No.

7.) Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

No.

APPENDIX B
REGULATORY DATABASE REPORT

DATABASE REPORT

Project Property:	*657 Harley Knox Boulevard* *657 Harley Knox Boulevard* *Perris CA 92571*
Project No:	
Report Type:	*Database Report*
Order No:	*21122800500*
Requested by:	*Weis Environmental, LLC*
Date Completed:	*December 28, 2021*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as database review of environmental records.

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Executive Summary

Property Information:

Project Property:		*657 Harley Knox Boulevard* *657 Harley Knox Boulevard Perris CA 92571*
Project No:		
Coordinates:		
	Latitude:	*33.85826944*
	Longitude:	*-117.23967172*
	UTM Northing:	*3,746,467.19*
	UTM Easting:	*477,830.12*
	UTM Zone:	*11S*
Elevation:		*1,472 FT*

Order Information:

Order No:	*21122800500*
Date Requested:	*December 28, 2021*
Requested by:	*Weis Environmental, LLC*
Report Type:	*Database Report*

Historicals/Products:

Aerial Photographs	*Historical Aerials Photographs*
City Directory Search	*CD - 1 Street Search*
ERIS Xplorer	*ERIS Xplorer*
Excel Add-On	*Excel Add-On*
Topographic Map	*Topographic Maps*

Executive Summary: Report Summary

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
Standard Environmental Records								
Federal								
DOE FUSRAP	Y	1	0	0	0	0	0	0
NPL	Y	1	0	0	0	**1**	0	**1**
PROPOSED NPL	Y	1	0	0	0	0	0	0
DELETED NPL	Y	0.5	0	0	0	0	-	0
SEMS	Y	0.5	0	0	0	**1**	-	**1**
ODI	Y	0.5	0	0	0	0	-	0
SEMS ARCHIVE	Y	0.5	0	0	0	0	-	0
CERCLIS	Y	0.5	0	0	0	**1**	-	**1**
IODI	Y	0.5	0	0	0	0	-	0
CERCLIS NFRAP	Y	0.5	0	0	0	0	-	0
CERCLIS LIENS	Y	PO	0	-	-	-	-	0
RCRA CORRACTS	Y	1	0	0	0	0	0	0
RCRA TSD	Y	0.5	0	0	0	**1**	-	**1**
RCRA LQG	Y	0.25	0	0	0	-	-	0
RCRA SQG	Y	0.25	0	0	0	-	-	0
RCRA VSQG	Y	0.25	0	0	0	-	-	0
RCRA NON GEN	Y	0.25	0	**3**	**3**	-	-	**6**
RCRA CONTROLS	Y	0.5	0	0	0	0	-	0
FED ENG	Y	0.5	0	0	0	**1**	-	**1**
FED INST	Y	0.5	0	0	0	**1**	-	**1**
LUCIS	Y	0.5	0	0	0	0	-	0
ERNS 1982 TO 1986	Y	PO	0	-	-	-	-	0
ERNS 1987 TO 1989	Y	PO	0	-	-	-	-	0
ERNS	Y	PO	0	-	-	-	-	0
FED BROWNFIELDS	Y	0.5	0	0	0	0	-	0
FEMA UST	Y	0.25	0	0	0	-	-	0
FRP	Y	0.25	0	0	0	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
HIST GAS STATIONS	Y	0.25	0	0	0	-	-	0
REFN	Y	0.25	0	0	0	-	-	0
BULK TERMINAL	Y	0.25	0	0	0	-	-	0
SEMS LIEN	Y	PO	0	-	-	-	-	0
SUPERFUND ROD	Y	1	0	0	0	**1**	0	**1**
State								
RESPONSE	Y	1	0	0	0	0	0	0
ENVIROSTOR	Y	1	0	0	0	0	0	0
DELISTED ENVS	Y	1	0	0	0	0	0	0
SWF/LF	Y	0.5	0	0	0	**1**	-	**1**
SWRCB SWF	Y	0.5	0	0	0	0	-	0
HWP	Y	1	0	0	0	0	0	0
SWAT	Y	0.5	0	0	0	0	-	0
C&D DEBRIS RECY	Y	0.5	0	0	0	**1**	-	**1**
RECYCLING	Y	0.5	0	0	0	**1**	-	**1**
PROCESSORS	Y	0.5	0	0	0	0	-	0
CONTAINER RECY	Y	0.5	0	0	0	0	-	0
LDS	Y	0.5	0	0	0	0	-	0
LUST	Y	0.5	0	0	0	0	-	0
DELISTED LST	Y	0.5	0	0	0	0	-	0
UST	Y	0.25	0	0	0	-	-	0
UST CLOSURE	Y	0.5	0	0	0	0	-	0
HHSS	Y	0.25	0	**1**	0	-	-	**1**
UST SWEEPS	Y	0.25	0	**1**	0	-	-	**1**
AST	Y	0.25	0	0	0	-	-	0
AST SWRCB	Y	0.25	0	0	0	-	-	0
TANK OIL GAS	Y	0.25	0	0	0	-	-	0
DELISTED TNK	Y	0.25	0	0	0	-	-	0
CERS TANK	Y	0.25	0	**1**	0	-	-	**1**
DELISTED CTNK	Y	0.25	0	0	0	-	-	0
HIST TANK	Y	0.25	0	**1**	0	-	-	**1**
LUR	Y	0.5	0	0	0	0	-	0
CALSITES	Y	0.5	0	0	0	0	-	0
HLUR	Y	0.5	0	0	0	0	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
DEED	Y	0.5	0	0	0	0	-	0
VCP	Y	0.5	0	0	0	0	-	0
CLEANUP SITES	Y	0.5	0	0	0	0	-	0
DELISTED COUNTY	Y	0.25	0	0	0	-	-	0
Tribal								
INDIAN LUST	Y	0.5	0	0	0	0	-	0
INDIAN UST	Y	0.25	0	0	0	-	-	0
DELISTED ILST	Y	0.5	0	0	0	0	-	0
DELISTED IUST	Y	0.25	0	0	0	-	-	0
County								
LOP RIVERSIDE	Y	0.5	0	0	0	0	-	0
UST RIVERSIDE	Y	0.25	0	0	0	-	-	0
Additional Environmental Records								
Federal								
FINDS/FRS	Y	PO	0	**1**	-	-	-	**1**
TRIS	Y	PO	0	-	-	-	-	0
PFAS TRI	Y	0.5	0	0	0	0	-	0
PFAS NPL	Y	0.5	0	0	0	**1**	-	**1**
PFAS WATER	Y	0.5	0	0	0	0	-	0
PFAS SSEHRI	Y	0.5	0	0	0	0	-	0
HMIRS	Y	0.125	0	0	-	-	-	0
NCDL	Y	0.125	0	0	-	-	-	0
TSCA	Y	0.125	0	0	-	-	-	0
HIST TSCA	Y	0.125	0	0	-	-	-	0
FTTS ADMIN	Y	PO	0	-	-	-	-	0
FTTS INSP	Y	PO	0	-	-	-	-	0
PRP	Y	PO	0	-	-	-	-	0
SCRD DRYCLEANER	Y	0.5	0	0	0	0	-	0
ICIS	Y	PO	0	-	-	-	-	0
FED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED FED DRY	Y	0.25	0	0	0	-	-	0
FUDS	Y	1	0	0	0	0	0	0
FORMER NIKE	Y	1	0	0	0	0	0	0
PIPELINE INCIDENT	Y	PO	0	-	-	-	-	0

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
MLTS	Y	PO	0	-	-	-	-	0
HIST MLTS	Y	PO	0	-	-	-	-	0
MINES	Y	0.25	0	0	0	-	-	0
SMCRA	Y	1	0	0	0	0	0	0
MRDS	Y	1	0	0	0	0	0	0
URANIUM	Y	1	0	0	0	0	0	0
ALT FUELS	Y	0.25	0	0	0	-	-	0
SSTS	Y	0.25	0	0	0	-	-	0
PCB	Y	0.5	0	0	0	0	-	0
State								
DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DELISTED DRYCLEANERS	Y	0.25	0	0	0	-	-	0
DRYC GRANT	Y	0.25	0	0	0	-	-	0
PFAS	Y	0.5	0	0	0	0	-	0
PFAS GW	Y	0.5	0	0	0	0	-	0
HWSS CLEANUP	Y	0.5	0	0	0	0	-	0
DTSC HWF	Y	0.5	0	0	0	0	-	0
INSP COMP ENF	Y	1	0	0	0	0	0	0
SCH	Y	1	0	0	0	0	0	0
CHMIRS	Y	PO	0	-	-	-	-	0
HIST CHMIRS	Y	PO	0	-	-	-	-	0
HAZNET	Y	PO	0	**2**	-	-	-	**2**
HIST MANIFEST	Y	PO	0	-	-	-	-	0
HW TRANSPORT	Y	0.125	0	0	-	-	-	0
WASTE TIRE	Y	PO	0	-	-	-	-	0
MEDICAL WASTE	Y	0.25	0	0	0	-	-	0
HIST CORTESE	Y	0.5	0	0	0	0	-	0
CDO/CAO	Y	0.5	0	0	0	0	-	0
CERS HAZ	Y	0.125	0	**2**	-	-	-	**2**
DELISTED HAZ	Y	0.5	0	**1**	0	**1**	-	**2**
GEOTRACKER	Y	0.125	0	0	-	-	-	0
MINE	Y	1	0	0	0	0	0	0
LIEN	Y	PO	0	-	-	-	-	0
WASTE DISCHG	Y	0.25	0	0	0	-	-	0
EMISSIONS	Y	0.25	0	**1**	0	-	-	**1**

Database	Searched	Search Radius	Project Property	Within 0.12mi	0.125mi to 0.25mi	0.25mi to 0.50mi	0.50mi to 1.00mi	Total
CDL	Y	0.125	0	0	-	-	-	0
Tribal	***No Tribal additional environmental record sources available for this State.***							
County								
HWG RIVERSIDE	Y	0.125	0	**1**	-	-	-	**1**
HZH RIVERSIDE	Y	0.125	0	**3**	-	-	-	**3**
MED WST RIVERSIDE	Y	0.25	0	0	0	-	-	0
RMP RIVERSIDE	Y	PO	0	-	-	-	-	0
Total:			0	**18**	**3**	**12**	0	**33**

**** PO – Property Only***
**** 'Property and adjoining properties' database search radii are set at 0.25 miles.***

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
1	HAZNET	TEMP POWER SYSTEMS	480 HARLEY KNOX BLVD PERRIS CA 92571	E	0.01 / 71.47	-2	24
1	HAZNET	TEMP POWER SYSTEM	480 OLEANDER AVE STE A PERRIS CA 92571	E	0.01 / 71.47	-2	25
1	FINDS/FRS	TEMP POWER SYSTEMS	480 OLEANDER AVE PERRIS CA 92571 ***Registry ID:*** 110066791001	E	0.01 / 71.47	-2	25
1	DELISTED HAZ	Temp Power Systems	480 OLEANDER AVE PERRIS CA 92571	E	0.01 / 71.47	-2	26
2	CERS HAZ	Berry Direct Design & Distribution (Perris, CA)	511 HARLEY KNOX BLVD PERRIS CA 92571	SW	0.04 / 231.72	1	26
2	HZH RIVERSIDE	Berry Direct, LLC	511 Harley Knox Perris CA 92571	SW	0.04 / 231.72	1	30
3	HZH RIVERSIDE	All American Asphalt	4770 Indian Ave Perris CA 92571	ESE	0.06 / 341.98	-2	30
3	HWG RIVERSIDE	All American Asphalt	4770 Indian Ave Perris CA 92571	ESE	0.06 / 341.98	-2	30
3	EMISSIONS	ALL AMERICAN ASPHALT	4770 INDIAN ST PERRIS CA 92571	ESE	0.06 / 341.98	-2	30
3	CERS TANK	All American Asphalt	4770 INDIAN AVE PERRIS CA 92571 ***Site ID:*** 4245	ESE	0.06 / 341.98	-2	32
3	RCRA NON GEN	ALL AMERICAN ASPHALT	4770 INDIAN AVE PERRIS CA 92571-8235 ***EPA Handler ID:*** CAL000335241	ESE	0.06 / 341.98	-2	36
4	CERS HAZ	UPS Supply Chain Solutions - CAMOO	17825 INDIAN STREET MORENO VALLEY CA 92551	ENE	0.07 / 367.65	-1	37

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
4	HZH RIVERSIDE	UPS Supply Chain Solutions - CAMOO	17825 Indian St Moreno Valley CA 92551	ENE	0.07 / 367.65	-1	39
5	RCRA NON GEN	INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB	775 HARLEY KNOX BLVD PERRIS CA 92571 ***EPA Handler ID:*** CAL000452880	SW	0.08 / 418.74	4	39
6	HHSS	DICK G EVANS TRANSPORTATION	21580 INDIAN STREET ORANGE PERRIS CA 92370	ESE	0.09 / 472.79	-4	40
6	HIST TANK	DICK G. EVANS TRANSPORTATION,	21580 INDIAN STREET PERRIS CA	ESE	0.09 / 472.79	-4	40
6	UST SWEEPS	DICK G EVANS TRANSPORTATION	21580 INDIAN ST PERRIS CA ***C C | Status:*** A33-000-16437 | ACTIVE ***Tank ID:*** 000003, 000001, 000002	ESE	0.09 / 472.79	-4	41
7	RCRA NON GEN	420-1 LLC DBA BETTER THAN GOOD MANUFACTURING	420 HARLEY KNOX BLVD PERRIS CA 92571 ***EPA Handler ID:*** CAL000452938	E	0.10 / 547.41	-5	41
8	RCRA NON GEN	AUTO AID	845 W NANCE ST PERRIS CA 92571 ***EPA Handler ID:*** CAL000423338	WSW	0.17 / 897.28	9	42
9	RCRA NON GEN	NATIONAL DISTRIBUTION CENTERS LLC	657 NANCE ST PERRIS CA 92571 ***EPA Handler ID:*** CAL000443670	S	0.21 / 1,114.42	1	43
10	RCRA NON GEN	AURORA MODULAR INDUSTRIES,INC	1320 OLEANDER AVENUE PERRIS CA 92370 ***EPA Handler ID:*** CAD982432882	W	0.25 / 1,316.16	12	45
11	SWF/LF	Moreno Valley Solid Waste R & T Facility	17700 Indian Street Moreno Valley CA 92551 ***Act Opl Status | Activity:*** Active | Large Volume Transfer/Processing Facility	NE	0.33 / 1,722.40	-1	45
11	RECYCLING	WASTE MANAGEMENT COLLECTION AND RECYCLING INC	17700 INDIAN ST MORENO VALLEY CA 92551	NE	0.33 / 1,722.40	-1	47
11	C&D DEBRIS RECY	MORENO VALLEY TS	17700 INDIAN ST MORENO VALLEY CA 92551	NE	0.33 / 1,722.40	-1	47

Map Key	DB	Company/Site Name	Address	Direction	Distance (mi/ft)	Elev Diff (ft)	Page Number
12	CERCLIS	MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***Site EPA ID:*** CA4570024527	NW	0.42 / 2,216.32	12	47
12	FED ENG	MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID:*** CA4570024527	NW	0.42 / 2,216.32	12	53
12	FED INST	MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID:*** CA4570024527	NW	0.42 / 2,216.32	12	58
12	NPL	MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID:*** CA4570024527	NW	0.42 / 2,216.32	12	59
12	SEMS	MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID:*** CA4570024527	NW	0.42 / 2,216.32	12	60
12	SUPERFUND ROD	MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518	NW	0.42 / 2,216.32	12	62
12	PFAS NPL	MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID:*** CA4570024527	NW	0.42 / 2,216.32	12	64
13	RCRA TSD	SUPREME TRUCK BODIE	1190 HARLEY KNOX PERRIS CA 92571 ***EPA Handler ID:*** CAL000446309	W	0.49 / 2,592.37	22	64
14	DELISTED HAZ	Bruno Farms Inc.	233 W MARKHAM ST PERRIS CA 92571	SE	0.49 / 2,606.15	-10	65

Executive Summary: Summary by Data Source

Standard

Federal

NPL - National Priority List

A search of the NPL database, dated Oct 20, 2021 has found that there are 1 NPL site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID**: CA4570024527*	NW	0.42 / 2,216.32	12

SEMS - SEMS List 8R Active Site Inventory

A search of the SEMS database, dated Oct 20, 2021 has found that there are 1 SEMS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID**: CA4570024527*	NW	0.42 / 2,216.32	12

CERCLIS - Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS

A search of the CERCLIS database, dated Oct 25, 2013 has found that there are 1 CERCLIS site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***Site EPA ID**: CA4570024527*	NW	0.42 / 2,216.32	12

RCRA TSD - RCRA non-CORRACTS TSD Facilities

A search of the RCRA TSD database, dated Nov 17, 2021 has found that there are 1 RCRA TSD site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
SUPREME TRUCK BODIE	1190 HARLEY KNOX PERRIS CA 92571 ***EPA Handler ID**: CAL000446309*	W	0.49 / 2,592.37	13

RCRA NON GEN - RCRA Non-Generators

A search of the RCRA NON GEN database, dated Nov 17, 2021 has found that there are 6 RCRA NON GEN site(s) within approximately 0.25 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB	775 HARLEY KNOX BLVD PERRIS CA 92571 ***EPA Handler ID**: CAL000452880*	SW	0.08 / 418.74	5
AUTO AID	845 W NANCE ST PERRIS CA 92571 ***EPA Handler ID**: CAL000423338*	WSW	0.17 / 897.28	8
NATIONAL DISTRIBUTION CENTERS LLC	657 NANCE ST PERRIS CA 92571 ***EPA Handler ID**: CAL000443670*	S	0.21 / 1,114.42	9
AURORA MODULAR INDUSTRIES,INC	1320 OLEANDER AVENUE PERRIS CA 92370 ***EPA Handler ID**: CAD982432882*	W	0.25 / 1,316.16	10

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALL AMERICAN ASPHALT	4770 INDIAN AVE PERRIS CA 92571-8235 ***EPA Handler ID**: CAL000335241*	ESE	0.06 / 341.98	3
420-1 LLC DBA BETTER THAN GOOD MANUFACTURING	420 HARLEY KNOX BLVD PERRIS CA 92571 ***EPA Handler ID**: CAL000452938*	E	0.10 / 547.41	7

FED ENG - Federal Engineering Controls-ECs

A search of the FED ENG database, dated Feb 23, 2021 has found that there are 1 FED ENG site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID**: CA4570024527*	NW	0.42 / 2,216.32	12

FED INST - Federal Institutional Controls- ICs

A search of the FED INST database, dated Feb 23, 2021 has found that there are 1 FED INST site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID**: CA4570024527*	NW	0.42 / 2,216.32	12

SUPERFUND ROD - Superfund Decision Documents

A search of the SUPERFUND ROD database, dated Jun 28, 2021 has found that there are 1 SUPERFUND ROD site(s) within approximately 1.00 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518	NW	0.42 / 2,216.32	12

State

SWF/LF - Solid Waste Information System (SWIS)

A search of the SWF/LF database, dated Nov 2, 2021 has found that there are 1 SWF/LF site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Moreno Valley Solid Waste R & T Facility	17700 Indian Street Moreno Valley CA 92551	NE	0.33 / 1,722.40	11
	***Act Opl Status | Activity**: Active | Large Volume Transfer/Processing Facility*			

C&D DEBRIS RECY - Construction and Demolition Debris Recyclers

A search of the C&D DEBRIS RECY database, dated Jun 20, 2018 has found that there are 1 C&D DEBRIS RECY site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
MORENO VALLEY TS	17700 INDIAN ST MORENO VALLEY CA 92551	NE	0.33 / 1,722.40	11

RECYCLING - Recycling Centers

A search of the RECYCLING database, dated Nov 2, 2020 has found that there are 1 RECYCLING site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
WASTE MANAGEMENT COLLECTION AND RECYCLING INC	17700 INDIAN ST MORENO VALLEY CA 92551	NE	0.33 / 1,722.40	11

HHSS - Historical Hazardous Substance Storage Information Database

A search of the HHSS database, dated Aug 27, 2015 has found that there are 1 HHSS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DICK G EVANS TRANSPORTATION	21580 INDIAN STREET ORANGE PERRIS CA 92370	ESE	0.09 / 472.79	6

UST SWEEPS - Statewide Environmental Evaluation and Planning System

A search of the UST SWEEPS database, dated Oct 1, 1994 has found that there are 1 UST SWEEPS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DICK G EVANS TRANSPORTATION	21580 INDIAN ST PERRIS CA ***C C	Status**: *A33-000-16437	ACTIVE* ***Tank ID**: 000003, 000001, 000002*	ESE	0.09 / 472.79	6

CERS TANK - California Environmental Reporting System (CERS) Tanks

A search of the CERS TANK database, dated Sep 24, 2021 has found that there are 1 CERS TANK site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
All American Asphalt	4770 INDIAN AVE PERRIS CA 92571 ***Site ID**: 4245*	ESE	0.06 / 341.98	3

HIST TANK - Historical Hazardous Substance Storage Container Information - Facility Summary

A search of the HIST TANK database, dated May 27, 1988 has found that there are 1 HIST TANK site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
DICK G. EVANS TRANSPORTATION,	21580 INDIAN STREET PERRIS CA	ESE	0.09 / 472.79	6

Non Standard

Federal

FINDS/FRS - Facility Registry Service/Facility Index

A search of the FINDS/FRS database, dated Nov 2, 2020 has found that there are 1 FINDS/FRS site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TEMP POWER SYSTEMS	480 OLEANDER AVE PERRIS CA 92571 ***Registry ID**: 110066791001*	E	0.01 / 71.47	1

PFAS NPL - PFOA/PFOS Contaminated Sites

A search of the PFAS NPL database, dated Sep 17, 2021 has found that there are 1 PFAS NPL site(s) within approximately 0.50 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
MARCH AIR FORCE BASE	22 CSG/CC RIVERSIDE CA 92518 ***EPA ID**: CA4570024527*	NW	0.42 / 2,216.32	12

State

HAZNET - Hazardous Waste Manifest Data

A search of the HAZNET database, dated Oct 24, 2016 has found that there are 2 HAZNET site(s) within approximately 0.02 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
TEMP POWER SYSTEMS	480 HARLEY KNOX BLVD PERRIS CA 92571	E	0.01 / 71.47	1
TEMP POWER SYSTEM	480 OLEANDER AVE STE A PERRIS CA 92571	E	0.01 / 71.47	1

CERS HAZ - California Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the CERS HAZ database, dated Sep 24, 2021 has found that there are 2 CERS HAZ site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Berry Direct Design & Distribution (Perris, CA)	511 HARLEY KNOX BLVD PERRIS CA 92571	SW	0.04 / 231.72	2

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
UPS Supply Chain Solutions - CAMOO	17825 INDIAN STREET MORENO VALLEY CA 92551	ENE	0.07 / 367.65	4

DELISTED HAZ - Delisted Environmental Reporting System (CERS) Hazardous Waste Sites

A search of the DELISTED HAZ database, dated Nov 29, 2018 has found that there are 2 DELISTED HAZ site(s) within approximately 0.50 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
Temp Power Systems	480 OLEANDER AVE PERRIS CA 92571	E	0.01 / 71.47	1
Bruno Farms Inc.	233 W MARKHAM ST PERRIS CA 92571	SE	0.49 / 2,606.15	14

EMISSIONS - Toxic Pollutant Emissions Facilities

A search of the EMISSIONS database, dated Dec 31, 2019 has found that there are 1 EMISSIONS site(s) within approximately 0.25 miles of the project property.

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
ALL AMERICAN ASPHALT	4770 INDIAN ST PERRIS CA 92571	ESE	0.06 / 341.98	3

County

HWG RIVERSIDE - Riverside County - Hazardous Waste Generator Sites List

A search of the HWG RIVERSIDE database, dated Jul 22, 2021 has found that there are 1 HWG RIVERSIDE site(s) within approximately 0.12 miles of the project property.

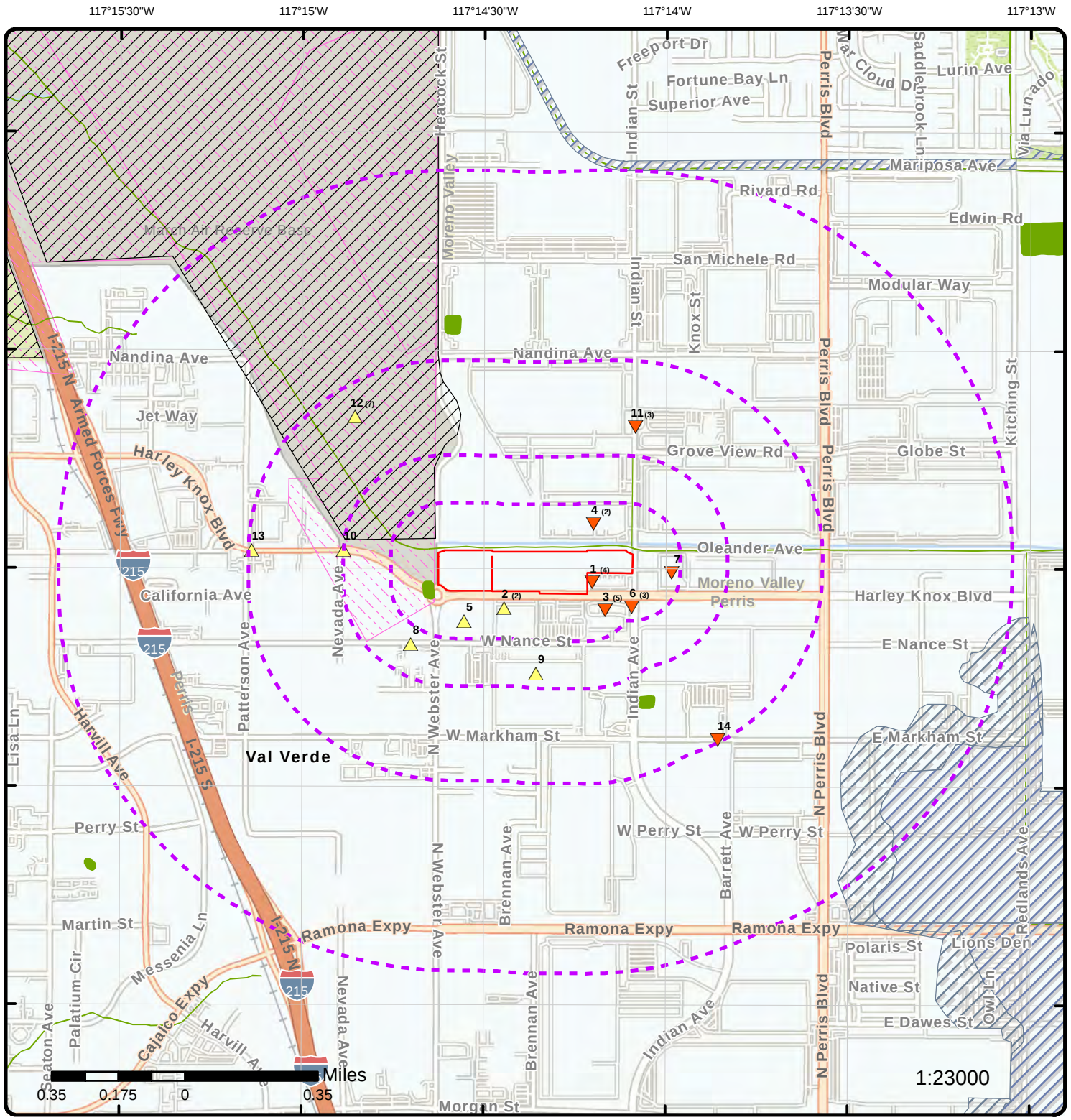
Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
All American Asphalt	4770 Indian Ave Perris CA 92571	ESE	0.06 / 341.98	3

HZH RIVERSIDE - Riverside County - Disclosure Facility List

A search of the HZH RIVERSIDE database, dated Jul 22, 2021 has found that there are 3 HZH RIVERSIDE site(s) within approximately 0.12 miles of the project property.

Equal/Higher Elevation	Address	Direction	Distance (mi/ft)	Map Key
Berry Direct, LLC	511 Harley Knox Perris CA 92571	SW	0.04 / 231.72	2

Lower Elevation	Address	Direction	Distance (mi/ft)	Map Key
All American Asphalt	4770 Indian Ave Perris CA 92571	ESE	0.06 / 341.98	3
UPS Supply Chain Solutions - CAMOO	17825 Indian St Moreno Valley CA 92551	ENE	0.07 / 367.65	4



Map: 1.0 Mile Radius

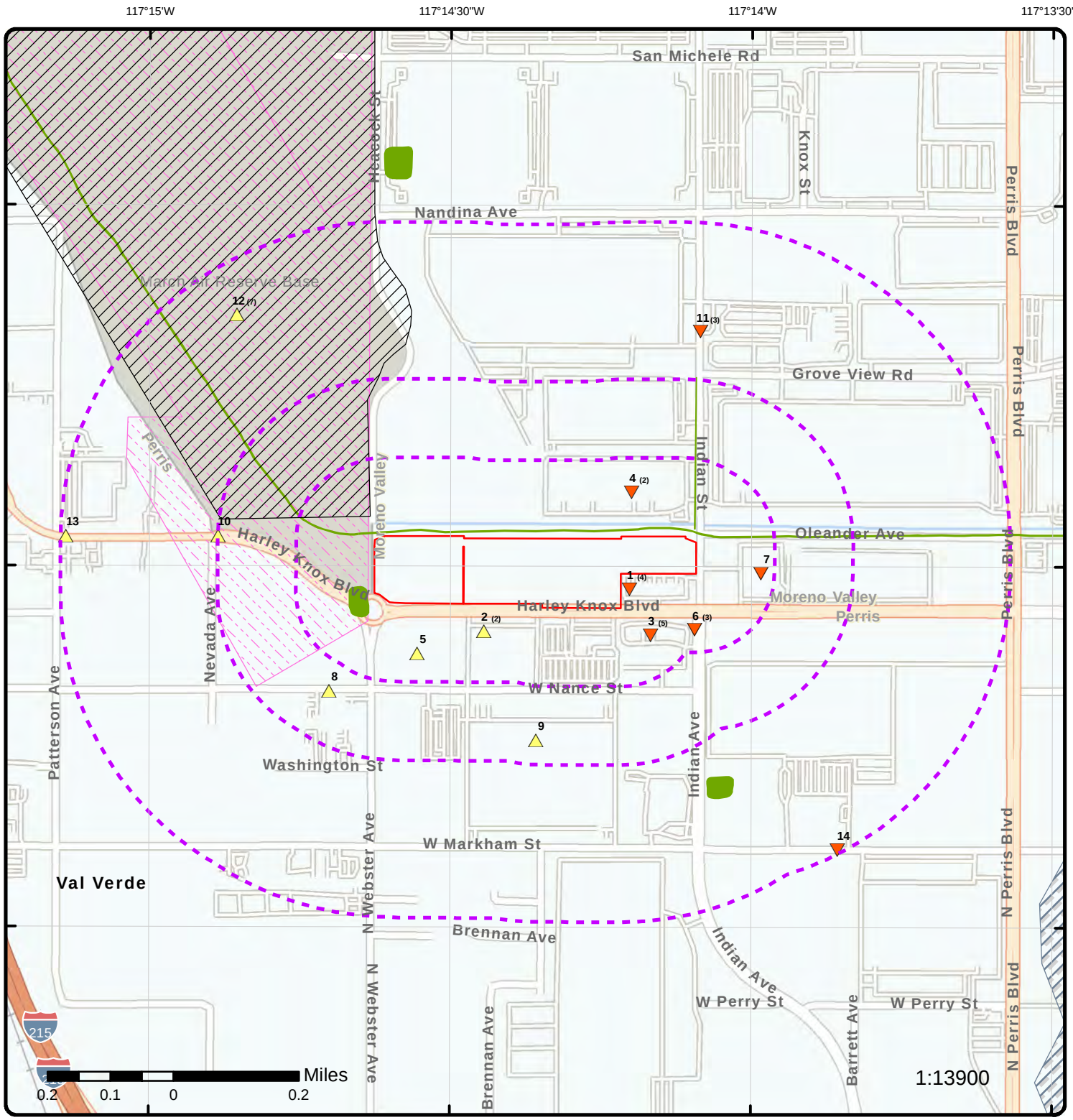
Order Number: 21122800500

Address: 657 Harley Knox Boulevard, Perris, CA

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- Plume

Source: © 2021 ESRI StreetMap Premium

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Map: 0.5 Mile Radius

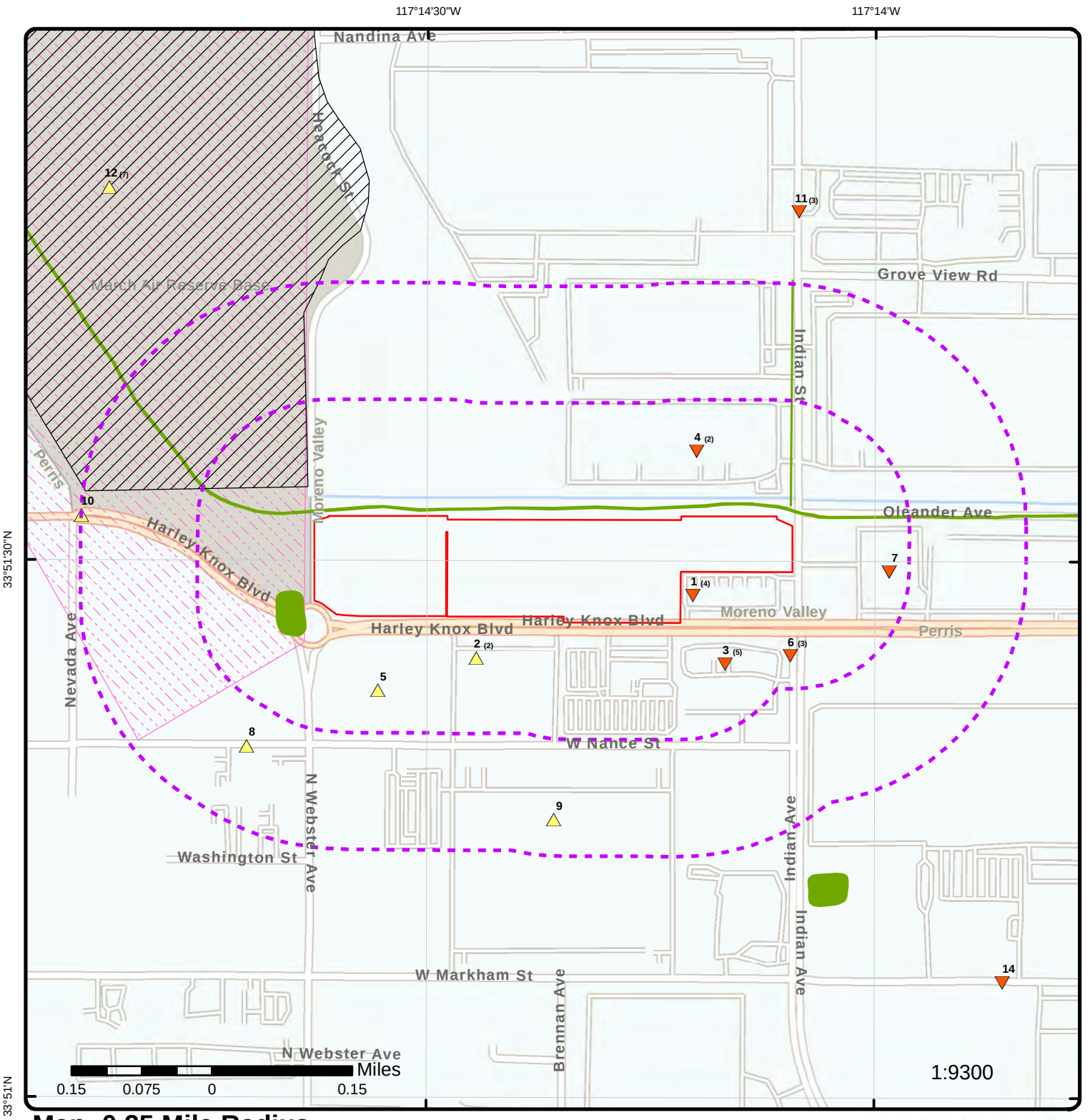
Order Number: 21122800500

Address: 657 Harley Knox Boulevard, Perris, CA

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- Plume

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



Map: 0.25 Mile Radius

Order Number: 21122800500

Address: 657 Harley Knox Boulevard, Perris, CA

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Eris Areas with Higher Elevation
- Eris Areas with Same Elevation
- Eris Areas with Lower Elevation
- Eris Areas with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major & Minor Arterial
- Traffic Circle; Ramp
- Local Road
- Rail
- State
- Country
- National Priority List Sites
- National Wetland
- Indian Reserve Land
- Historic Fill
- 100 Year Flood Zone
- 500 Year Flood Zone
- FWS Special Designation Areas
- Plume

Source: © 2021 ESRI StreetMap Premium

© ERIS Information Inc.



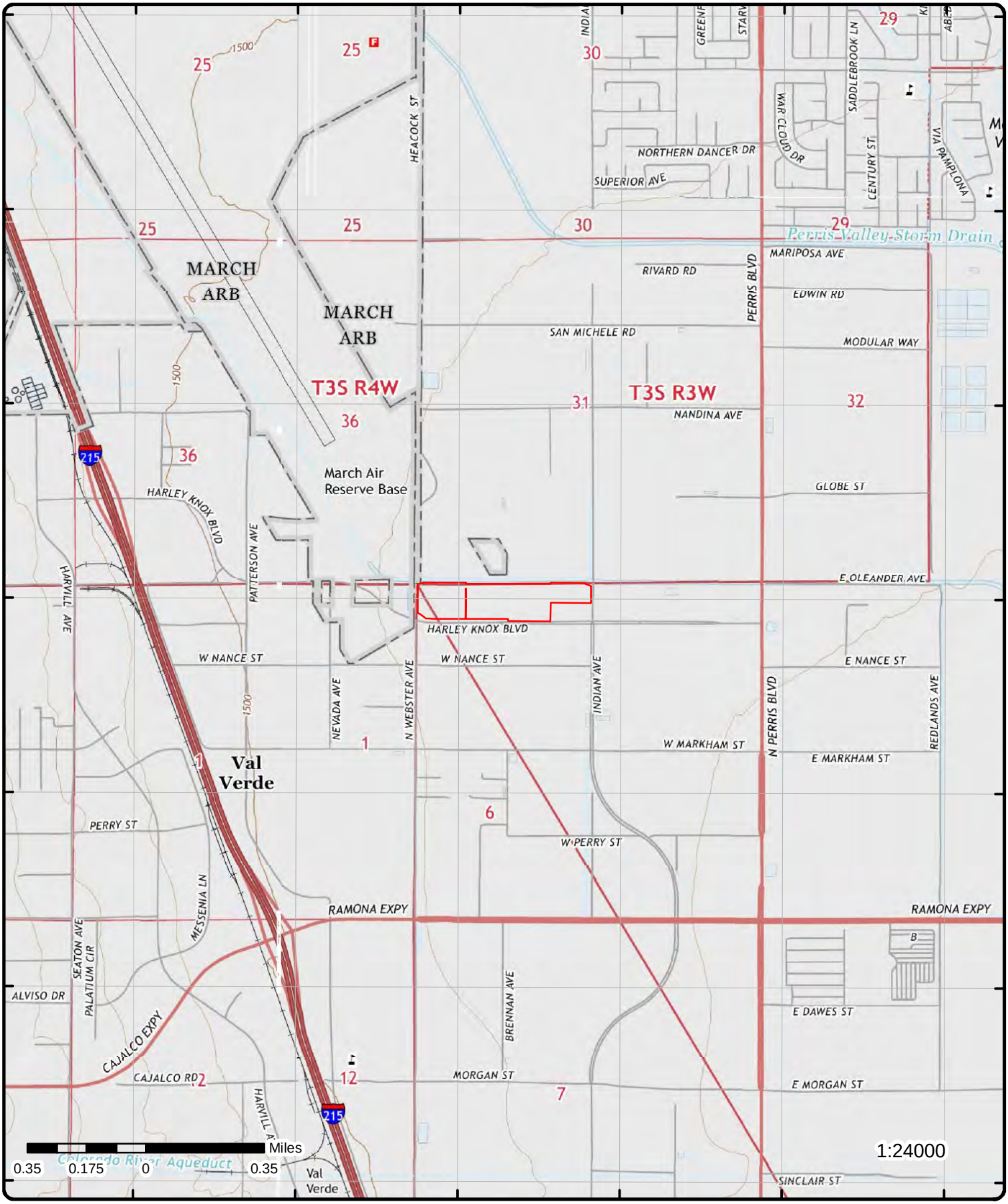
Aerial **Year: 2019**

Order Number: 21122800500

Address: 657 Harley Knox Boulevard, Perris, CA

Source: ESRI World Imagery

© ERIS Information Inc.



Topographic Map

Year: 2015

Order Number: 21122800500

Address: 657 Harley Knox Boulevard, CA

Quadrangle(s): Riverside East, CA; Sunnymead, CA; Steele Peak, CA; Perris, CA

© ERIS Information Inc.

Source: USGS Topographic Map

Detail Report

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	1 of 4	E	0.01 / 71.47	1,469.54 / -2	TEMP POWER SYSTEMS 480 HARLEY KNOX BLVD PERRIS CA 92571	HAZNET

SIC Code:		**Mailing City:**	PLACENTIA
NAICS Code:		**Mailing State:**	CA
EPA ID:	CAC002717042	**Mailing Zip:**	928706704
Create Date:	1/15/2013	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	DANIEL P MARTIN
Inact Date:	4/16/2013	**Owner Addr 1:**	625 FEE ANA ST
County Code:	33	**Owner Addr 2:**	
County Name:	Riverside	**Owner City:**	PLACENTIA
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	625 FEE ANA ST	**Owner Zip:**	928706704
Mailing Addr 2:		**Owner Phone:**	7142235600
Owner Fax:			
Contact Information			

--	--
Contact Name:	CHRIS YATES
Street Address 1:	625 FEE ANA ST
Street Address 2:	
City:	PLACENTIA
State:	CA
Zip:	928706704
Phone:	7142235607
--	--
--	--
Tanner Information	
--	--
Generator EPA ID:	CAC002717042
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD008302903
TSD County Code:	19
TSD County:	Los Angeles
State Waste Code:	214
State Waste Code Desc.:	Unspecified solvent mixture
Method Code:	H061
Method Description:	FUEL BLENDING PRIOR TO ENERGY RECOVERY AT ANOTHER SITE
Tons:	0.09
Year:	2013
--	--
Generator EPA ID:	CAC002717042
Generator County Code:	33
Generator County:	Riverside
TSD EPA ID:	CAD982444481
TSD County Code:	36
TSD County:	San Bernardino
State Waste Code:	352
State Waste Code Desc.:	Other organic solids
Method Code:	H141
Method Description:	STORAGE, BULKING, AND/OR TRANSFER OFF SITE--NO TREATMENT/REOVERY (H010-H129) OR (H131-H135)
Tons:	0.1
Year:	2013
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	2 of 4	E	0.01 / 71.47	1,469.54 / -2	TEMP POWER SYSTEM 480 OLEANDER AVE STE A PERRIS CA 92571	HAZNET

SIC Code:	7538	**Mailing City:**	PERRIS
NAICS Code:	811111	**Mailing State:**	CA
EPA ID:	CAL000315853	**Mailing Zip:**	92571
Create Date:	1/30/2007 9:25:34 AM	**Region Code:**	4
Fac Act Ind:	No	**Owner Name:**	TEMP POWER SYSTEM
Inact Date:	6/30/2007	**Owner Addr 1:**	480 OLEANDER AVE STE A
County Code:	33	**Owner Addr 2:**	
County Name:	Riverside	**Owner City:**	PERRIS
Mail Name:		**Owner State:**	CA
Mailing Addr 1:	480 OLEANDER AVE STE A	**Owner Zip:**	92571
Mailing Addr 2:		**Owner Phone:**	7142235620
Owner Fax:			

Contact Information

--	--
Contact Name:	WILLIAM RIALE
Street Address 1:	480 OLEANDER AVE STE A
Street Address 2:	
City:	PERRIS
State:	CA
Zip:	92571
Phone:	7142235679
--	--

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	3 of 4	E	0.01 / 71.47	1,469.54 / -2	TEMP POWER SYSTEMS 480 OLEANDER AVE PERRIS CA 92571	FINDS/FRS

Registry ID:	110066791001
FIPS Code:	
HUC Code:	18070202
Site Type Name:	STATIONARY
Location Description:	
Supplemental Location:	
Create Date:	14-OCT-15
Update Date:	
Interest Types:	STATE MASTER
SIC Codes:	
SIC Code Descriptions:	
NAICS Codes:	
NAICS Code Descriptions:	
Conveyor:	FRS-GEOCODE
Federal Facility Code:	
Federal Agency Name:	
Tribal Land Code:	
Tribal Land Name:	
Congressional Dist No:	49
Census Block Code:	060650426201021
EPA Region Code:	09
County Name:	RIVERSIDE
US/Mexico Border Ind:	
Latitude:	33.858924
Longitude:	-117.217344
Reference Point:	ENTRANCE POINT OF A FACILITY OR STATION
Coord Collection Method:	ADDRESS MATCHING-HOUSE NUMBER
Accuracy Value:	50
Datum:	NAD83
Source:	
Facility Detail Rprt URL:	https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110066791001
Program Acronyms:	

CA-ENVIROVIEW:74333

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
1	4 of 4	E	0.01 / 71.47	1,469.54 / -2	Temp Power Systems 480 OLEANDER AVE PERRIS CA 92571	DELISTED HAZ

Siteid: 74333
Latitude: 33.857760
Longitude: -117.235900
Original Source: CHAZ
Record Date: 20-OCT-2017

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
2	1 of 2	SW	0.04 / 231.72	1,472.54 / 1	Berry Direct Design & Distribution (Perris, CA) 511 HARLEY KNOX BLVD PERRIS CA 92571	CERS HAZ

Site ID: 445103
Latitude: 33.857199
Longitude: -117.238684
County:

Regulated Programs

EI ID: 10776151 **EI Description:** Chemical Storage Facilities

Violations

Violation Date: 01/28/2019 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Riverside County Department of Env Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/25/2019.

Violation Description:

Failure to establish and electronically submit an adequate training program in safety procedures in the event of a release or threatened release of a hazardous material.

Violations

Violation Date: 01/28/2019 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Riverside County Department of Env Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/25/2019.

Violation Description:

Failure to establish and electronically submit an adequate emergency response plan and procedures for a release or threatened release of a hazardous material.

Violations

Violation Date: 01/28/2019 **Violation Source:** CERS
Violation Program: HMRRP **Violation Division:** Riverside County Department of Env Health
Citation: HSC 6.95 25507 - California Health and Safety Code, Chapter 6.95, Section(s) 25507
Violation Notes:

Returned to compliance on 04/25/2019.

Violation Description:

Failure to adequately establish and implement a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 01/28/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Riverside County Department of Env Health
Citation: Un-Specified
Violation Notes:

Returned to compliance on 04/25/2019.

Violation Description:

Business Plan Program - Administration/Documentation - General Local Ordinance

Violations

Violation Date: 01/28/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Riverside County Department of Env Health
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Notes:

Returned to compliance on 07/03/2019.

Violation Description:

Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.

Violations

Violation Date: 01/28/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Riverside County Department of Env Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/25/2019.

Violation Description:

Failure to complete and electronically submit a business plan when storing/handling a hazardous material at or above reportable quantities.

Violations

Violation Date: 01/28/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Riverside County Department of Env Health
Citation: Un-Specified
Violation Notes:

Returned to compliance on 07/03/2019.

Violation Description:

Business Plan Program - Operations/Maintenance - General Local Ordinance

Violations

Violation Date: 01/28/2019 ***Violation Source:*** CERS

Violation Program: HMRRP ***Violation Division:*** Riverside County Department of Env Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/25/2019.

Violation Description:

Failure to complete and electronically submit a site map with all required content.

Violations

Violation Date: 01/28/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Riverside County Department of Env Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/25/2019.

Violation Description:

Failure to complete and electronically submit the Business Activities Page and/or Business Owner Operator Identification Page.

Violations

Violation Date: 01/28/2019 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Riverside County Department of Env Health
Citation: HSC 6.95 25508(a)(1) - California Health and Safety Code, Chapter 6.95, Section(s) 25508(a)(1)
Violation Notes:

Returned to compliance on 04/25/2019.

Violation Description:

Failure to complete and electronically submit hazardous material inventory information for all reportable hazardous materials on site at or above reportable quantities.

Evaluations

Eval Date: 07/01/2019
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 01/28/2019
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address

Entity Title:
Address: 511 Harley Knox Blvd.
City: Perris
State: CA
Country:
Zip Code: 92571
Phone:

Affil Type Desc: Property Owner
Entity Name: Investment Building Group
Entity Title:
Address: 5100 Campus Drive
City: Newport
State: CA
Country: United States
Zip Code: 92660
Phone: (949) 263-1111

Affil Type Desc: Document Preparer
Entity Name: Horacio Martin
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Identification Signer
Entity Name: Horacio Martin
Entity Title: Director of Warehouses
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Horacio Martin
Entity Title:
Address: 511 Harley Knox Blvd
City: Perris
State: CA
Country:
Zip Code: 92571
Phone:

Affil Type Desc: Legal Owner
Entity Name: Berry Direct Design & Distr.
Entity Title:
Address: 980 Hammond Drive NE, Ste 1000
City: Atlanta
State: GA
Country: United States
Zip Code: 30328
Phone: (678) 922-2352

Affil Type Desc: Parent Corporation
Entity Name: Berry Direct Design & Distribution
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Operator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Entity Name: Berry Direct Design & Distr.
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (860) 322-6940

Affil Type Desc: CUPA District
Entity Name: Riverside Cnty Env Health
Entity Title:
Address: 4065 County Circle Drive, Room 104
City: Riverside
State: CA
Country:
Zip Code: 92503
Phone: (951) 358-5055

Coordinates

Env Int Type Code: HMBP
Program ID: 10776151
Latitude: 33.857200
Longitude: -117.238680
Coord Name:
Ref Point Type Desc: Center of a facility or station.

2	2 of 2	SW	0.04 / 231.72	1,472.54 / 1	Berry Direct, LLC 511 Harley Knox Perris CA 92571	HZH RIVERSIDE
3	1 of 5	ESE	0.06 / 341.98	1,469.54 / -2	All American Asphalt 4770 Indian Ave Perris CA 92571	HZH RIVERSIDE
3	2 of 5	ESE	0.06 / 341.98	1,469.54 / -2	All American Asphalt 4770 Indian Ave Perris CA 92571	HWG RIVERSIDE
3	3 of 5	ESE	0.06 / 341.98	1,469.54 / -2	ALL AMERICAN ASPHALT 4770 INDIAN ST PERRIS CA 92571	EMISSIONS

2016 Criteria Data

Facility ID: 148146
Facility SIC Code: 1611
CO: 33
Air Basin: SC
District: SC
COID: RIV
DISN: SOUTH COAST AQMD
CHAPIS:
CERR CODE:
TOGT: .9047990122526426278924243545663129705761
ROGT: .4909
COT: 1.6
NOXT: 1.75
SOXT: .02216
PMT: 7.04451
PM10T: 3.097668054

2016 Toxic Data

Facility ID:	148146	***TS:***	
Facility SIC Code:	1611	***HRA:***	
CERR CODE:		***CH Index:***	
COID:	RIV	***AH Index:***	
CO:	33	***Air Basin:***	SC
DISN:	SOUTH COAST AQMD	***District:***	SC
CHAPIS:			

2017 Criteria Data

Facility ID:	148146	***CERR Code:***	
Facility SIC Code:	1611	***TOGT:***	4.3585304903075608426803749133702505029 5
CO:	33	***ROGT:***	3.87
Air Basin:	SC	***COT:***	2.19
District:	SC	***NOXT:***	1.86
COID:	RIV	***SOXT:***	.022534
DISN:	SOUTH COAST AQMD	***PMT:***	5.6326222
CHAPIS:		***PM10T:***	2.31165636

2017 Toxic Data

Facility ID:	148146	***COID:***	RIV
Facility SIC Code:	1611	***DISN:***	SOUTH COAST AQMD
CO:	33	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2018 Criteria Data

Facility ID:	148146	***CERR Code:***	
Facility SIC Code:	1611	***TOGT:***	2.4233522011054965314457580018974438336 4
CO:	33	***ROGT:***	1.9538723
Air Basin:	SC	***COT:***	1.62876895
District:	SC	***NOXT:***	1.727513
COID:	RIV	***SOXT:***	.02707704
DISN:	SOUTH COAST AQMD	***PMT:***	5.654928967
CHAPIS:		***PM10T:***	2.479211573215

2018 Toxic Data

Facility ID:	148146	***COID:***	RIV
Facility SIC Code:	1611	***DISN:***	SOUTH COAST AQMD
CO:	33	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
District:	SC		
TS:			
Health Risk Asmt:			
Non-Cancer Chronic Haz Ind:			
Non-Cancer Acute Haz Ind:			

2019 Criteria Data

CO:	33	***CHAPIS:***	
Air Basin:	SC	***CERR Code:***	
Facility ID:	148146	***ROGT:***	.95346003
District:	SC	***COT:***	1.7742619

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Facility SIC Code: 1611
NOXT: 1.8848315
CO ID: RIV
SOXT: .02954161
DISN: SOUTH COAST AQMD
PM10T: 2.17809963764
TOGT: 1.43950792242637312358280458347070736973
PMT: 4.8579044038

2019 Toxic Data

CO: 33
CHAPIS:
Air Basin: SC
CERR Code:
Faccility ID: 148146
TS:
District: SC
Health Risk Asmt:
Facility SIC Code: 1611
NonCncrChrnicHazInd:
COID: RIV
NonCncrActeHazInd:
DISN: SOUTH COAST AQMD

3	4 of 5	ESE	0.06 / 341.98	1,469.54 / -2	All American Asphalt 4770 INDIAN AVE PERRIS CA 92571	CERS TANK

Site ID: 4245
Latitude: 33.856899
Longitude: -117.234904

Regulated Programs

EI ID: 10329376
EI Description: Aboveground Petroleum Storage

EI ID: 10329376
EI Description: Chemical Storage Facilities

EI ID: 10329376
EI Description: Hazardous Waste Generator

Violations

Violation Date: 05/13/2015
Violation Source: CERS
Violation Program: HW
Violation Division: Riverside County Department of Env Health
Citation: HSC 6.5 25186.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25186.2
Violation Notes:

Returned to compliance on 08/11/2015.

Violation Description:

Failure to properly handle, store, or treat hazardous waste or provided false information submitted on the permit application and other documents.

Violations

Violation Date: 05/13/2015
Violation Source: CERS
Violation Program: HMRRP
Violation Division: Riverside County Department of Env Health
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Notes:

Returned to compliance on 08/11/2015.

Violation Description:

Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.

Violations

Violation Date: 10/19/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Riverside County Department of Env Health
Citation: 40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Notes:

Returned to compliance on 11/15/2018.

Violation Description:

Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

Violations

Violation Date: 05/13/2015 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Riverside County Department of Env Health
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95, Section(s) Multiple
Violation Notes:

Returned to compliance on 08/11/2015. Propane bottles were observed unsecured at the time of inspection.

Violation Description:

Business Plan Program - Operations/Maintenance - General

Violations

Violation Date: 10/19/2018 ***Violation Source:*** CERS
Violation Program: HMRRP ***Violation Division:*** Riverside County Department of Env Health
Citation: Un-Specified
Violation Notes:

Returned to compliance on 11/15/2018.

Violation Description:

Business Plan Program - Operations/Maintenance - General Local Ordinance

Violations

Violation Date: 11/15/2018 ***Violation Source:*** CERS
Violation Program: HW ***Violation Division:*** Riverside County Department of Env Health
Citation: HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Notes:

Returned to compliance on 12/14/2018.

Violation Description:

Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.

Enforcements

Enf Action Date: 05/13/2015 ***Enf Action Program:*** HMRRP
Enf Action Type: Notice of Violation (Unified Program) ***Enf Action Source:*** CERS
Enf Action Division: Riverside County Department of Env Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection

Enf Action Notes:

Enf Action Date: 05/13/2015
Enf Action Program: HW
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Source: CERS
Enf Action Division: Riverside County Department of Env Health
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes:

Evaluations

Eval Date: 05/13/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 11/15/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 10/19/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 08/11/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 11/15/2018
Violations Found: Yes
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS
Eval Notes:

Eval Date: 05/13/2015
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS

Eval Notes:

Eval Date: 08/11/2015
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 11/15/2018
Violations Found: No
Eval General Type: Other/Unknown
Eval Type: Other, not routine, done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Eval Date: 10/19/2018
Violations Found: Yes
Eval General Type: Compliance Evaluation Inspection
Eval Type: Routine done by local agency
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS
Eval Notes:

Affiliations

Affil Type Desc: Document Preparer
Entity Name: John Gardner
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: John Gardner
Entity Title:
Address: 1776 All American Way
City: Corona
State: CA
Country:
Zip Code: 92878
Phone:

Affil Type Desc: Identification Signer
Entity Name: John Gardner
Entity Title: Plant Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Riverside Cnty Env Health
Entity Title:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Address: 4065 County Circle Drive, Room 104
City: Riverside
State: CA
Country:
Zip Code: 92503
Phone: (951) 358-5055

Affil Type Desc: Legal Owner
Entity Name: All American Asphalt
Entity Title:
Address: P.O. Box 2229
City: Corona
State: CA
Country: United States
Zip Code: 92878-2229
Phone: (951) 736-7600

Affil Type Desc: Parent Corporation
Entity Name: All American Asphalt
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: PO Box 2229
City: Corona
State: CA
Country:
Zip Code: 92878-2229
Phone:

Affil Type Desc: Operator
Entity Name: All American Asphalt
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (951) 736-7600

Coordinates

Env Int Type Code: HWG
Program ID: 10329376
Latitude: 33.856900
Longitude: -117.234900
Coord Name:
Ref Point Type Desc: Center of a facility or station.

3	5 of 5	ESE	0.06 / 341.98	1,469.54 / -2	ALL AMERICAN ASPHALT 4770 INDIAN AVE PERRIS CA 92571-8235	RCRA NON GEN

EPA Handler ID: CAL000335241
Gen Status Universe: No Report
Contact Name: DANIEL STINSON
Contact Address: PO BOX 2229 , , CORONA , CA, 92878 ,
Contact Phone No and Ext: 951-736-7600
Contact Email: DSTINSON@ALLAMERICANASPHALT.COM
Contact Country:
County Name: RIVERSIDE
EPA Region: 09
Land Type:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Receive Date: 20080807
Location Latitude: 33.856936
Location Longitude: -117.234908

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20080807
Handler Name: ALL AMERICAN ASPHALT
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: DANIEL STINSON
Date Became Current:
Date Ended Current:
Phone: 951-736-7600
Source Type: Implementer
Street No:
Street 1: PO BOX 2229
Street 2:
City: CORONA
State: CA
Country:
Zip Code: 92878

Owner/Operator Ind: Current Owner
Type: Other
Name: ALL AMERICAN ASPHALT
Date Became Current:
Date Ended Current:
Phone: 951-736-7600
Source Type: Implementer
Street No:
Street 1: PO BOX 2229
Street 2:
City: CORONA
State: CA
Country:
Zip Code: 92878-2229

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
4	1 of 2	ENE	0.07 / 367.65	1,470.06 / -1	UPS Supply Chain Solutions - CAMOO 17825 INDIAN STREET MORENO VALLEY CA 92551	CERS HAZ

Site ID: 568353
Latitude: 33.860310
Longitude: -117.237100
County:

Regulated Programs

EI ID: 10851643 ***EI Description:*** Chemical Storage Facilities

Affiliations

Affil Type Desc: Operator
Entity Name: UPS Supply Chain Solutions
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone: (951) 703-5257

Affil Type Desc: Parent Corporation
Entity Name: UPS Supply Chain Solutions
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Property Owner
Entity Name: First Industrial Realty Trust, Inc - Eric Hassett
Entity Title:
Address: 898 North Pacific Coast Highway, Suite 175
City: El Segundo
State: CA
Country: United States
Zip Code: 90245
Phone: (310) 321-3820

Affil Type Desc: Legal Owner
Entity Name: UPS Supply Chain Solutions
Entity Title:
Address: 12380 Morris Road
City: Alpharetta
State: GA
Country: United States
Zip Code: 30005
Phone: (678) 746-4100

Affil Type Desc: Document Preparer
Entity Name: Juan Carlos Gomez
Entity Title:
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: Environmental Contact
Entity Name: Juan Carlos Gomez
Entity Title:
Address: 5255 Lovelock Street
City: San Diego
State: CA
Country:
Zip Code: 92110
Phone:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Affil Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title:
Address: 17825 Indian Street
City: Moreno Valley
State: CA
Country:
Zip Code: 92551
Phone:

Affil Type Desc: Identification Signer
Entity Name: C. Benjamin Swanson
Entity Title: UPS SCS Global BaSE Manager
Address:
City:
State:
Country:
Zip Code:
Phone:

Affil Type Desc: CUPA District
Entity Name: Riverside Cnty Env Health
Entity Title:
Address: 4065 County Circle Drive, Room 104
City: Riverside
State: CA
Country:
Zip Code: 92503
Phone: (951) 358-5055

4	***2 of 2***	***ENE***	***0.07 / 367.65***	***1,470.06 / -1***	***UPS Supply Chain Solutions - CAMOO 17825 Indian St Moreno Valley CA 92551***	***HZH RIVERSIDE***

5	***1 of 1***	***SW***	***0.08 / 418.74***	***1,475.54 / 4***	***INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB 775 HARLEY KNOX BLVD PERRIS CA 92571***	***RCRA NON GEN***

EPA Handler ID: CAL000452880
Gen Status Universe: No Report
Contact Name: ADRIAN PEREZ
Contact Address: 775 HARLEY KNOX BLVD , , PERRIS , CA, 92571 ,
Contact Phone No and Ext: 951-657-4389
Contact Email: PEREZ.ADRIAN@AAA-CALIF.COM
Contact Country:
County Name: RIVERSIDE
EPA Region: 09
Land Type:
Receive Date: 20200219
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20200219
Handler Name:	INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	**Street No:**	
Type:	Other	**Street 1:**	775 HARLEY KNOX BLVD
Name:	ADRIAN PEREZ	**Street 2:**	
Date Became Current:		**City:**	PERRIS
Date Ended Current:		**State:**	CA
Phone:	951-657-4389	**Country:**	
Source Type:	Implementer	**Zip Code:**	92571
Owner/Operator Ind:	Current Owner	**Street No:**	
Type:	Other	**Street 1:**	775 HARLEY KNOX BLVD
Name:	INTERINSURANCE EXCHANGE OF AUTO CLUB	**Street 2:**	
Date Became Current:		**City:**	PERRIS
Date Ended Current:		**State:**	CA
Phone:	951-657-4389	**Country:**	
Source Type:	Implementer	**Zip Code:**	92571

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	1 of 3	ESE	0.09 / 472.79	1,467.54 / -4	DICK G EVANS TRANSPORTATION 21580 INDIAN STREET ORANGE PERRIS CA 92370	HHSS

County:	
Tank Details Microfiche:	http://geotracker.waterboards.ca.gov/ustpdfs/pdf/0001f5de.pdf

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	2 of 3	ESE	0.09 / 472.79	1,467.54 / -4	DICK G. EVANS TRANSPORTATION, 21580 INDIAN STREET PERRIS CA	HIST TANK

Owner Name:	DICK G. EVANS TRANSPORTATION,	**No of Containers:**	3
Owner Street:	21580 INDIAN ST.	**County:**	RIVERSIDE
Owner City:	PERRIS	**Facility State:**	CA
Owner State:	CA	**Facility Zip:**	92370
Owner Zip:	92370		

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
6	3 of 3	ESE	0.09 / 472.79	1,467.54 / -4	DICK G EVANS TRANSPORTATION 21580 INDIAN ST PERRIS CA	UST SWEEPS

C C:	A33-000-16437	**D Filename:**	SITE16A
BOE:	44-018030	**Page No:**	84
Comp:	16437	**County:**	RIVERSIDE
Status:	ACTIVE	**State :**	CA
No of Tanks:	3	**Zip:**	92370
Jurisdict:	RIVERSIDE COUNTY	**Latitude:**	33.806902
Agency:	ENVIRONMENTAL HEALTH - U.S.T.	**Longitude:**	-117.234788
Phone:		**Georesult:**	S5HPNTSC-A

Tank Details

Tank ID:	000003	**S Contain:**	
O Tank ID:	000414	**Stg:**	P
SWRCB No:	33-000-016437-000003	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	10-29-92	**Content:**	DIESEL
Capac:	8000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK16A

Tank Details

Tank ID:	000001	**S Contain:**	
O Tank ID:	000414	**Stg:**	P
SWRCB No:	33-000-016437-000001	**Storage :**	
Removed:		**Storag Type:**	PRODUCT
Installed:		**P Contain:**	
A Date:	10-29-92	**Content:**	LEADED
Capac:	2000	**ONA:**	
Tank Use:	M.V. FUEL	**D File Name:**	TANK16A

Tank Details

Tank ID:	000002	**S Contain:**	
O Tank ID:	000414	**Stg:**	W
SWRCB No:	33-000-016437-000002	**Storage :**	
Removed:		**Storag Type:**	WASTE
Installed:		**P Contain:**	
A Date:	10-29-92	**Content:**	WASTE OIL
Capac:	550	**ONA:**	
Tank Use:	OIL	**D File Name:**	TANK16A

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
7	1 of 1	E	0.10 / 547.41	1,466.54 / -5	420-1 LLC DBA BETTER THAN GOOD MANUFACTURING 420 HARLEY KNOX BLVD PERRIS CA 92571	RCRA NON GEN

EPA Handler ID:	CAL000452938
Gen Status Universe:	No Report
Contact Name:	SHELLI SURCOUF
Contact Address:	420 HARLEY KNOX BLVD , , PERRIS , CA, 92571 ,
Contact Phone No and Ext:	337-302-4226
Contact Email:	SHELLI@COTCGARDENS.COM
Contact Country:	
County Name:	RIVERSIDE
EPA Region:	09
Land Type:	
Receive Date:	20200221
Location Latitude:	
Location Longitude:	

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20200221
Handler Name:	420-1 LLC DBA BETTER THAN GOOD MANUFACTURING
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	420 HARLEY KNOX BLVD
Name:	SHELLI SURCOUF	***Street 2:***	
Date Became Current:		***City:***	PERRIS
Date Ended Current:		***State:***	CA
Phone:	337-302-4226	***Country:***	
Source Type:	Implementer	***Zip Code:***	92571
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1785 TORRANCE ST
Name:	420-1 LLC	***Street 2:***	
Date Became Current:		***City:***	SAN DIEGO
Date Ended Current:		***State:***	CA
Phone:	858-203-5942	***Country:***	
Source Type:	Implementer	***Zip Code:***	92103

8	***1 of 1***	***WSW***	***0.17 / 897.28***	***1,480.54 / 9***	***AUTO AID 845 W NANCE ST PERRIS CA 92571***	***RCRA NON GEN***

EPA Handler ID:	CAL000423338
Gen Status Universe:	No Report
Contact Name:	MEHRAN SHILYAN
Contact Address:	6260 RUTLAND AVE # 19 , , RIVERSIDE , CA, 92503 ,
Contact Phone No and Ext:	951-735-2180
Contact Email:	H2H2H2@SBCGLOBAL.NET
Contact Country:	
County Name:	RIVERSIDE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

EPA Region: 09
Land Type:
Receive Date: 20161227
Location Latitude: 33.855456
Location Longitude: -117.245075

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Furnace Exemption: No
Underground Injection Activity: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No
Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20161227
Handler Name: AUTO AID
Source Type: Implementer
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind: Current Owner
Type: Other
Name: LIMOR ENTERPRISES INC
Date Became Current:
Date Ended Current:
Phone: 951-735-2180
Source Type: Implementer
Street No:
Street 1: 6260 RUTLAND AVE # 19
Street 2:
City: RIVERSIDE
State: CA
Country:
Zip Code: 92503-1706

Owner/Operator Ind: Current Operator
Type: Other
Name: MEHRAN SHILYAN
Date Became Current:
Date Ended Current:
Phone: 951-735-2180
Source Type: Implementer
Street No:
Street 1: 6260 RUTLAND AVE # 19
Street 2:
City: RIVERSIDE
State: CA
Country:
Zip Code: 92503

9	***1 of 1***	***S***	***0.21 / 1,114.42***	***1,472.54 / 1***	***NATIONAL DISTRIBUTION CENTERS LLC 657 NANCE ST PERRIS CA 92571***	***RCRA NON GEN***

EPA Handler ID: CAL000443670
Gen Status Universe: No Report

Contact Name:	LONIE WEBB
Contact Address:	657 NANCE ST , , PERRIS , CA, 92571 ,
Contact Phone No and Ext:	303-604-5188
Contact Email:	LONIE.WEBB@NFINDUSTRIES.COM
Contact Country:	
County Name:	RIVERSIDE
EPA Region:	09
Land Type:	
Receive Date:	20190214
Location Latitude:	33.855402
Location Longitude:	-117.239182

Violation/Evaluation Summary

Note:	NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility:	No
Onsite Burner Exemption:	No
Furnace Exemption:	No
Underground Injection Activity:	No
Commercial TSD:	No
Used Oil Transporter:	No
Used Oil Transfer Facility:	No
Used Oil Processor:	No
Used Oil Refiner:	No
Used Oil Burner:	No
Used Oil Market Burner:	No
Used Oil Spec Marketer:	No

Hazardous Waste Handler Details

Sequence No:	1
Receive Date:	20190214
Handler Name:	NATIONAL DISTRIBUTION CENTERS LLC
Source Type:	Implementer
Federal Waste Generator Code:	N
Generator Code Description:	Not a Generator, Verified

Owner/Operator Details

Owner/Operator Ind:	Current Operator	***Street No:***	
Type:	Other	***Street 1:***	657 NANCE ST
Name:	LONIE WEBB	***Street 2:***	
Date Became Current:		***City:***	PERRIS
Date Ended Current:		***State:***	CA
Phone:	303-604-5188	***Country:***	
Source Type:	Implementer	***Zip Code:***	92571
Owner/Operator Ind:	Current Owner	***Street No:***	
Type:	Other	***Street 1:***	1515 BURNT MILL RD
Name:	NATIONAL DISTRIBUTION CENTERS LLC	***Street 2:***	
Date Became Current:		***City:***	CHERRY HILL
Date Ended Current:		***State:***	NJ
Phone:	800-922-5088	***Country:***	
Source Type:	Implementer	***Zip Code:***	08003

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
10	1 of 1	W	0.25 / 1,316.16	1,483.61 / 12	AURORA MODULAR INDUSTRIES, INC 1320 OLEANDER AVENUE PERRIS CA 92370	RCRA NON GEN

EPA Handler ID: CAD982432882
Gen Status Universe: No Report
Contact Name: MICHAEL HENNING
Contact Address: US
Contact Phone No and Ext: 714-943-2071
Contact Email:
Contact Country: US
County Name: RIVERSIDE
EPA Region: 09
Land Type:
Receive Date: 19920402
Location Latitude:
Location Longitude:

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity:
Mixed Waste Generator:
Transporter Activity:
Transfer Facility:
Onsite Burner Exemption:
Furnace Exemption:
Underground Injection Activity:
Commercial TSD: No
Used Oil Transporter:
Used Oil Transfer Facility:
Used Oil Processor:
Used Oil Refiner:
Used Oil Burner:
Used Oil Market Burner:
Used Oil Spec Marketer:

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 19920402
Handler Name: AURORA MODULAR INDUSTRIES,INC
Source Type: Annual/Biennial Report
Federal Waste Generator Code: 1
Generator Code Description: Large Quantity Generator

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
11	1 of 3	NE	0.33 / 1,722.40	1,470.54 / -1	Moreno Valley Solid Waste R & T Facility 17700 Indian Street Moreno Valley CA 92551	SWF/LF

SWIS No: 33-AA-0234
EPA Fed Registry ID:
Operational Status: Active
Regulatory Status: Permitted
Site is Archived: No
Absorbed on:
Absorbed by:
Site Inert Debris Eng Fill: No
Closed Illegal Aband: No
Latitude: 33.86278
Longitude: -117.23454
County: Riverside
Site ZIP: 92551
ARB District: South Coast
SWRCB Region: Santa Ana
Site Point of Contact: Theodore Tasiopoulos

Closed Illegal Aband Cat:
Finance Assuran Responsible: No
Incorporated City: Moreno Valley
Local Government: Moreno Valley
Reporting Agency Legal Name: County of Riverside
Reporting Agency Department: Department of Environmental Health
Enforcing Agency Legal Name: County of Riverside
Enforcing Agency Department: Department of Environmental Health

Site Owners

Site Type: Non-Disposal Only
Owner Name: Waste Management of the Inland Empire
Owner Address: 2655 S. Riverside Ave.
Owner City: Bloomington
Owner State: CA
Owner ZIP Code: 92316
Owner Phone:
Contact Name:
Contact First Name:
Contact Last Name:
Contact Title:
Contact Email:
Started On:

Site Activities (Search Result)

ID: 2294
Act Opl Status: Active
Act Regulatory Stat: Permitted
Activity Category: Transfer/Processing
Site Name: Moreno Valley Solid Waste R & T Facility
Activity: Large Volume Transfer/Processing Facility

Site Operators

Site Type: Non-Disposal Only
Operator Name: Waste Management of the Inland Empire
Operator Address: 2655 S. Riverside Ave.
Operator City: Bloomington
Operator State: CA
Operator ZIP Code: 92316
Operator Phone:
Is Archived: No
Contact Name:
Contact First Name:
Contact Last Name:
Contact Title:
Contact Email:
Started on:

Site Waste

Site Type: Non-Disposal Only
Waste Type: Construction/demolition
Activity Oper Status: Active
Act Regulatory Stat: Permitted
Activity: Large Volume Transfer/Processing Facility
Activity Category: Transfer/Processing
Act Classification: Solid Waste Facility
Activity Is Archived: No

Site Type: Non-Disposal Only
Waste Type: Mixed municipal
Activity Oper Status: Active
Act Regulatory Stat: Permitted
Activity: Large Volume Transfer/Processing Facility
Activity Category: Transfer/Processing
Act Classification: Solid Waste Facility
Activity Is Archived: No

Site Type: Non-Disposal Only
Waste Type: Metals
Activity Oper Status: Active
Act Regulatory Stat: Permitted
Activity: Large Volume Transfer/Processing Facility
Activity Category: Transfer/Processing
Act Classification: Solid Waste Facility
Activity Is Archived: No

Site Type: Non-Disposal Only
Waste Type: Green Materials
Activity Oper Status: Active
Act Regulatory Stat: Permitted
Activity: Large Volume Transfer/Processing Facility
Activity Category: Transfer/Processing
Act Classification: Solid Waste Facility
Activity Is Archived: No

Extra Details

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Enforcement Agency (LEA/EA): Riverside County

Site Activities (Export)

WDR No:		***Remaining Capacity:***	
WDR Landfill Class:		***Remaining Cap Dt:***	
Act is Archived:	No	***Max Permit Cap:***	2500
Act Opl Status:	Active	***Capacity UOM:***	Tons per day
Act Regulatory Stat:	Permitted	***Total Acreage:***	24.90
Activity Category:	Transfer/Processing	***Disposal Acreage:***	
Act Classification:	Solid Waste Facility	***Permitted Elev :***	
Cease Operation:		***Permitted Elev Tp:***	
Cease Operation Tp:		***Permitted Depth:***	
Insp Frequency:	Monthly	***Permitted Depth Tp:***	
Incorporated City:	Moreno Valley	***Site Name:***	Moreno Valley Solid Waste R & T Facility
Site Point of Contact:	Theodore Tasiopoulos		
Activity:	Large Volume Transfer/Processing Facility		
Max Permitted Throughput:	2500		
Throughput UOM:	Tons per day		

11	*2 of 3*	*NE*	*0.33 / 1,722.40*	*1,470.54 / -1*	***WASTE MANAGEMENT COLLECTION AND RECYCLING INC*** ***17700 INDIAN ST*** ***MORENO VALLEY CA 92551***	***RECYCLING***

Cert ID:	CS0772	***Wednesday:***	N/A
Operation:	05/14/98	***Thursday H:***	N/A
Rural:	N/A	***Friday Hou:***	N/A
Organization:	WASTE MANAGEMENT COLLECTION AND RECYCLING INC	***Saturday H:***	N/A
Aluminium:		***Sunday Hou:***	N/A
Glass:		***Mailing Ad:***	800 S TEMESCAL ST
Plastic:		***Mailing Ci:***	CORONA
Bimetal:		***Mailing St:***	CA
Agency:	COUNTY OF RIVERSIDE	***Mailing Zi:***	92879
Grand Fath:	N/A	***Phone No:***	(951) 331-9655
Cert Status:		***Website:***	
Operatione:		***Email:***	
Monday Hou:	N/A	***Hours of Ope:***	
Tuesday Ho:	N/A	***County:***	RIVERSIDE

11	*3 of 3*	*NE*	*0.33 / 1,722.40*	*1,470.54 / -1*	***MORENO VALLEY TS*** ***17700 INDIAN ST*** ***MORENO VALLEY CA 92551***	***C&D DEBRIS RECY***

County:	RIVERSIDE
Activity Type:	MATERIAL RECOVERY FACILITY MATTRESS COLLECTION TRANSFER STATION
Phone No:	(951) 242-0421

12	*1 of 7*	*NW*	*0.42 / 2,216.32*	*1,483.54 / 12*	***MARCH AIR FORCE BASE*** ***22 CSG/CC*** ***RIVERSIDE CA 92518***	***CERCLIS***

Site ID:	0902761	***RNPL Status Code:***	F
Site EPA ID:	CA4570024527	***NPL Status:***	Currently on the Final NPL
Site Street Address 2:		***RFED Facility Code:***	Y
Site County Name:	RIVERSIDE	***RFED Facility Desc:***	Federal Facility
Site FIPS Code:	06065	***USGS Hydro Unit No.:***	18070202
Region Code:	09	***Site Cong. Dist. Code:***	41
Site SMSA No.:	6780	***ROT Desc:***	Federally Owned
Site Prim. Latitude:	+33.906380	***FR NPL Update No.:***	11

Site Prim. Longitude: -117.255700
Lat Long Source: EPA HQ
RNON NPL Status Desc:
RFRA Code: F

CERCLIS Site Contact Name(s)

Person ID: 13004003.00
First Name: Carl
Last Name: Brickner
Phone No.:
Email:

CERCLIS Site Contact Name(s)

Person ID: 13003854.00
First Name: Leslie
Last Name: Ramirez
Phone No.: 4159723978
Email:

CERCLIS Site Contact Name(s)

Person ID: 13003858.00
First Name: Sharon
Last Name: Murray
Phone No.: 4159724250
Email:

CERCLIS Site Contact Name(s)

Person ID: 9000102.00
First Name: John
Last Name: Lucey
Phone No.: 4159723145
Email:

CERCLIS Assess History

OU ID: 04
Act Code ID: 002
RAT Code: LW
RAT Short Name: FF RI/FS
RAT Name: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
RAT Hist. Only Flag:
RAT NSI Indicator: B
RAT Level: 1
RAT DEF OU:
RFBS Code: L
SPA Code: 12
RALT Short Name: Fed Fac
Act Start Date: 9/27/1990 00:00:00
Act Complete Date: 9/29/2005 00:00:00
AGT Order No.: 460
SH OU:
SH Code:
SH Seq:
SH Start Date:
SH Complete Date:
SH Lead:
RAT Def: Provides for oversight of Federal facility response action for Remedial Investigation/Feasibility Study (RI/FS), including all activities for monitoring and supervising the performance of Federal facilities to determine whether such performance is consistent with the requirements of SARA and IAG or MOA.
Site Desc:
Site Alias:

CERCLIS Assess History

OU ID: 02
Act Code ID: 004
RAT Code: LW
RAT Short Name: FF RI/FS
RALT Short Name: Fed Fac
Act Start Date: 1/24/1992 00:00:00
Act Complete Date: 4/30/1995 00:00:00
AGT Order No.: 460

RAT Name:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:	L	**SH Lead:**	
SPA Code:	12		

RAT Def: Provides for oversight of Federal facility response action for Remedial Investigation/Feasibility Study (RI/FS), including all activities for monitoring and supervising the performance of Federal facilities to determine whether such performance is consistent with the requirements of SARA and IAG or MOA.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA Fund
Act Code ID:	001	**Act Start Date:**	
RAT Code:	NP	**Act Complete Date:**	7/14/1989 00:00:00
RAT Short Name:	PROPOSED	**AGT Order No.:**	200
RAT Name:	PROPOSAL TO NATIONAL PRIORITIES LIST	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:	P	**SH Lead:**	
SPA Code:	13		

RAT Def: Site proposed for inclusion on the National Priority List based on the Hazard Ranking System (HRS) score for the site.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	EPA Fund
Act Code ID:	001	**Act Start Date:**	
RAT Code:	NF	**Act Complete Date:**	11/21/1989 00:00:00
RAT Short Name:	NPL FINL	**AGT Order No.:**	202
RAT Name:	FINAL LISTING ON NATIONAL PRIORITIES LIST	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:	P	**SH Lead:**	
SPA Code:	13		

RAT Def: Site moved from proposed list to final National Priority List.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	04	**RALT Short Name:**	Fed Fac
Act Code ID:	003	**Act Start Date:**	
RAT Code:	RO	**Act Complete Date:**	9/29/2005 00:00:00
RAT Short Name:	ROD	**AGT Order No.:**	610
RAT Name:	RECORD OF DECISION	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		

RAT Def: The final Record of Decision (ROD) is signed by the appropriate agency indicating that the agency has chosen the remedy for site remediation. ROD signature is signified by the complete date.

Site Desc:

Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	Fed Fac
Act Code ID:	001	***Act Start Date:***	
RAT Code:	DS	***Act Complete Date:***	2/1/1985 00:00:00
RAT Short Name:	DISCVRY	***AGT Order No.:***	10
RAT Name:	DISCOVERY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The process by which a potential hazardous waste site is brought to the attention of the EPA. The process can occur through the use of several mechanisms such as a phone call or referral by another government agency.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	02	***RALT Short Name:***	Fed Fac
Act Code ID:	005	***Act Start Date:***	
RAT Code:	RO	***Act Complete Date:***	9/30/2005 00:00:00
RAT Short Name:	ROD	***AGT Order No.:***	610
RAT Name:	RECORD OF DECISION	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The final Record of Decision (ROD) is signed by the appropriate agency indicating that the agency has chosen the remedy for site remediation. ROD signature is signified by the complete date.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	01	***RALT Short Name:***	Fed Fac
Act Code ID:	001	***Act Start Date:***	3/5/1996 00:00:00
RAT Code:	LY	***Act Complete Date:***	
RAT Short Name:	FF RA	***AGT Order No.:***	860
RAT Name:	FEDERAL FACILITY REMEDIAL ACTION	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:	L	***SH Lead:***	
SPA Code:	09		

RAT Def: Provides for oversight of Federal facility response action for Remedial Action (RA), including all activities for monitoring and supervising the performance of Federal facilities to determine whether such performance is consistent with the requirements of SARA and IAG or MOA.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	Fed Fac
Act Code ID:	001	***Act Start Date:***	
RAT Code:	PA	***Act Complete Date:***	2/1/1987 00:00:00
RAT Short Name:	PA	***AGT Order No.:***	130
RAT Name:	PRELIMINARY ASSESSMENT	***SH OU:***	

RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:	P	**SH Lead:**	
SPA Code:	13		

RAT Def: Collection of diverse existing information about the source and nature of the site hazard. It is EPA policy to complete the preliminary assessment within one year of site discovery.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	01	**RALT Short Name:**	Fed Fac
Act Code ID:	001	**Act Start Date:**	4/7/1996 00:00:00
RAT Code:	LX	**Act Complete Date:**	4/18/1996 00:00:00
RAT Short Name:	FF RD	**AGT Order No.:**	810
RAT Name:	FEDERAL FACILITY REMEDIAL DESIGN	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:	L	**SH Lead:**	
SPA Code:	09		

RAT Def: Provides for oversight of Federal facility response action for Remedial Design (RD), including all activities for monitoring and supervising the performance of Federal facilities to determine whether such performance is consistent with the requirements of SARA and IAG or MOA.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	
Act Code ID:		**Act Start Date:**	
RAT Code:		**Act Complete Date:**	
RAT Short Name:		**AGT Order No.:**	0
RAT Name:		**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:		**SH Seq:**	
RAT Level:		**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:			

RAT Def:

Site Desc: March Air Force Base (AFB) is located on 7,123 Acres in the northern end of the Perris Valley, east of the city of Riverside, in Riverside County, California, approximately 60 miles east of Los Angeles and 90 miles north of San Diego. The base lies in s

Site Alias: MARCH AFB,,,CA,;MARCH AIR FORCE BASE,22 CSG/CC,MARCH AFB,CA,92518;MARCH AIR FORCE BASE, 22 CSG/CC,RIVERSIDE,CA,92518;MARCH USAF BASE,OLDB MARCH 3430 BUNDY AVENUE,MARCH AFB, CA,92311;

CERCLIS Assess History

OU ID:	00	**RALT Short Name:**	Fed Fac
Act Code ID:	001	**Act Start Date:**	
RAT Code:	SI	**Act Complete Date:**	6/1/1987 00:00:00
RAT Short Name:	SI	**AGT Order No.:**	160
RAT Name:	SITE INSPECTION	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:	00	**SH Complete Date:**	
RFBS Code:	P	**SH Lead:**	
SPA Code:	13		

RAT Def: The process of collecting site data and samples to characterize the severity of the hazard for the hazard ranking score and/or enforcement support.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	01	***RALT Short Name:***	Fed Fac
Act Code ID:	001	***Act Start Date:***	9/27/1990 00:00:00
RAT Code:	LW	***Act Complete Date:***	6/20/1996 00:00:00
RAT Short Name:	FF RI/FS	***AGT Order No.:***	460
RAT Name:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:	L	***SH Lead:***	
SPA Code:	12		

RAT Def: Provides for oversight of Federal facility response action for Remedial Investigation/Feasibility Study (RI/FS), including all activities for monitoring and supervising the performance of Federal facilities to determine whether such performance is consistent with the requirements of SARA and IAG or MOA.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	00	***RALT Short Name:***	EPA Fund
Act Code ID:	001	***Act Start Date:***	
RAT Code:	HR	***Act Complete Date:***	6/1/1987 00:00:00
RAT Short Name:	HAZRANK	***AGT Order No.:***	190
RAT Name:	HAZARD RANKING SYSTEM PACKAGE	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:	00	***SH Complete Date:***	
RFBS Code:	P	***SH Lead:***	
SPA Code:	13		

RAT Def: A numeric estimate of the relative severity of a hazardous substance release or potential release based on: (1) the relative potential of substances to cause hazardous situations; (2) the likelihood and rate at which the substances may affect human and environmental receptors; and (3) the severity and magnitude of potential effects. The score is computed using the hazard ranking system (HRS).

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	01	***RALT Short Name:***	Fed Fac
Act Code ID:	001	***Act Start Date:***	
RAT Code:	RO	***Act Complete Date:***	6/20/1996 00:00:00
RAT Short Name:	ROD	***AGT Order No.:***	610
RAT Name:	RECORD OF DECISION	***SH OU:***	
RAT Hist. Only Flag:		***SH Code:***	
RAT NSI Indicator:	B	***SH Seq:***	
RAT Level:	1	***SH Start Date:***	
RAT DEF OU:		***SH Complete Date:***	
RFBS Code:		***SH Lead:***	
SPA Code:	13		

RAT Def: The final Record of Decision (ROD) is signed by the appropriate agency indicating that the agency has chosen the remedy for site remediation. ROD signature is signified by the complete date.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	02	***RALT Short Name:***	Fed Fac
Act Code ID:	004	***Act Start Date:***	

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

RAT Code:	RO	**Act Complete Date:**	5/11/2004 00:00:00
RAT Short Name:	ROD	**AGT Order No.:**	610
RAT Name:	RECORD OF DECISION	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:		**SH Lead:**	
SPA Code:	13		

RAT Def: The final Record of Decision (ROD) is signed by the appropriate agency indicating that the agency has chosen the remedy for site remediation. ROD signature is signified by the complete date.

Site Desc:
Site Alias:

CERCLIS Assess History

OU ID:	05	**RALT Short Name:**	Fed Fac
Act Code ID:	005	**Act Start Date:**	10/30/2005 00:00:00
RAT Code:	LW	**Act Complete Date:**	
RAT Short Name:	FF RI/FS	**AGT Order No.:**	460
RAT Name:	FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY	**SH OU:**	
RAT Hist. Only Flag:		**SH Code:**	
RAT NSI Indicator:	B	**SH Seq:**	
RAT Level:	1	**SH Start Date:**	
RAT DEF OU:		**SH Complete Date:**	
RFBS Code:	L	**SH Lead:**	
SPA Code:	12		

RAT Def: Provides for oversight of Federal facility response action for Remedial Investigation/Feasibility Study (RI/FS), including all activities for monitoring and supervising the performance of Federal facilities to determine whether such performance is consistent with the requirements of SARA and IAG or MOA.

Site Desc:
Site Alias:

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB
12	2 of 7	NW	0.42 / 2,216.32	1,483.54 / 12	MARCH AIR FORCE BASE 22 CSG/CC RIVERSIDE CA 92518	FED ENG

EPA ID:	CA4570024527
Region Code:	09
County:	RIVERSIDE
Latitude:	33.906389
Longitude:	-117.255700

Control Details

Actual Completion Date:	8/1/2017 5:00:00 AM
Fiscal Year:	2017
NPL Status:	Currently on the Final NPL
Action Type:	ROD Amendment
Remedy Component:	Soil Vapor Extraction (insitu)
Media:	Soil
Federal Facility:	Yes
Superfund Alt. Agreement:	No
Operable Unit No:	01
Sequence ID:	1

Actual Completion Date:	6/20/1996 4:00:00 AM
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Action Type:	Record of Decision
Remedy Component:	Containment (other, NOS, onsite)
Media:	Soil
Federal Facility:	Yes
Superfund Alt. Agreement:	No
Operable Unit No:	01

Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Extraction (recovery/vertical well)
Media: Free-phase NAPL
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Oil Water Separation (P&T, exsitu)
Media: Free-phase NAPL
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Oil Water Separation (P&T, exsitu)
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Soil Vapor Extraction (insitu)
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Thermal Desorption (exsitu, onsite)
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 9/29/2005 4:00:00 AM
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: No Action
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 04
Sequence ID: 3

Actual Completion Date: 6/20/1996 4:00:00 AM

Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Air Stripping (P&T, exsitu)
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Cap (engineered cap)
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 9/29/2005 4:00:00 AM
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Monitoring
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 04
Sequence ID: 3

Actual Completion Date: 8/1/2017 5:00:00 AM
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Action Type: ROD Amendment
Remedy Component: Monitoring (soil gas)
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Monitoring (soil)
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Recycling (offsite)
Media: Free-phase NAPL
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 8/1/2017 5:00:00 AM
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Action Type: ROD Amendment

Remedy Component: Disposal (offsite)
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 8/1/2017 5:00:00 AM
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Action Type: ROD Amendment
Remedy Component: ESD/Amd - Remedy Element Addition/Modification
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 8/1/2017 5:00:00 AM
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Action Type: ROD Amendment
Remedy Component: ESD/Amd - Treatment Area Change
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Carbon Adsorption (liquid phase, P&T, exsitu)
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Excavation
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: No Further Action
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 9/30/2005 4:00:00 AM
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: No Action
Media: Soil
Federal Facility: Yes

Superfund Alt. Agreement: No
Operable Unit No: 02
Sequence ID: 5

Actual Completion Date: 8/24/2000 4:00:00 AM
Fiscal Year: 2000
NPL Status: Currently on the Final NPL
Action Type: Explanation of Significant Differences
Remedy Component: Bioremediation (other, NOS, exsitu)
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 8/1/2017 5:00:00 AM
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Action Type: ROD Amendment
Remedy Component: Vapor Intrusion Mitigation (other, NOS)
Media: Soil Gas
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Monitoring (groundwater)
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 9/30/2005 4:00:00 AM
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: No Action
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 02
Sequence ID: 5

Actual Completion Date: 8/1/2017 5:00:00 AM
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Action Type: ROD Amendment
Remedy Component: Excavation
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 12/12/2016 5:00:00 AM
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Action Type: ROD Amendment
Remedy Component: No Further Action
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 02
Sequence ID: 3

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Extraction (recovery/vertical well)
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Monitoring
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Discharge (surface water/NPDES discharge)
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 6/20/1996 4:00:00 AM
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Recycling (onsite)
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 9/29/2005 4:00:00 AM
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: No Action
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 04
Sequence ID: 3

12	*3 of 7*	*NW*	*0.42 / 2,216.32*	*1,483.54 / 12*	***MARCH AIR FORCE BASE*** ***22 CSG/CC*** ***RIVERSIDE CA 92518***	***FED INST***

EPA ID: CA4570024527
Region Code: 09
County: RIVERSIDE
Latitude: 33.906389
Longitude: -117.255700

Control Details

Actual Completion Date: 8/1/2017 5:00:00 AM
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Action Type: ROD Amendment
Remedy Component: Institutional Controls
Media: Soil Gas
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 01
Sequence ID: 1

Actual Completion Date: 5/11/2004 4:00:00 AM
Fiscal Year: 2004
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Institutional Controls
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 02
Sequence ID: 4

Actual Completion Date: 5/11/2004 4:00:00 AM
Fiscal Year: 2004
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Institutional Controls
Media: Groundwater
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 02
Sequence ID: 4

Actual Completion Date: 9/29/2005 4:00:00 AM
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Institutional Controls
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 04
Sequence ID: 3

Actual Completion Date: 9/30/2005 4:00:00 AM
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Action Type: Record of Decision
Remedy Component: Institutional Controls
Media: Soil
Federal Facility: Yes
Superfund Alt. Agreement: No
Operable Unit No: 02
Sequence ID: 5

12	4 of 7	NW	0.42 / 2,216.32	1,483.54 / 12	MARCH AIR FORCE BASE 22 CSG/CC RIVERSIDE CA 92518	NPL

EPA ID: CA4570024527
SITE ID: 0902761
SEMS ID: 902761
Latitude: 33.906389
Longitude: -117.2557

NPL (SEMS FOIA 004)

Final Date: 11/21/89
County: RIVERSIDE

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Federal Facility: Yes
SAA (Superfund Alt.):
NAI: No
NA Entity ((NAI Status):

Latitude: 33.906389
Longitude: -117.255700

NPL Status Information (EPA's Where You Live Map)

Status: NPL Site
Construction Completion No: 0
Construction Completion:
Proposed Date: 07/14/1989
Listing Date: 11/21/1989
NOID Date:
Deletion Date:
Notice of Data Availability:
Site Listing Narrative: CA4570024527 (PDF)
Site Progress Profile: March Air Force Base
Proposed Fr Notice: 07/14/1989 (PDF)
Listing Fr Notice: 11/21/1989 (PDF)
NOID Fr Notice:
Deletion Fr Notice:
Restoration Fr Notice:
Site Had a Partial Deletion: No

12	5 of 7	NW	0.42 / 2,216.32	1,483.54 / 12	MARCH AIR FORCE BASE 22 CSG/CC RIVERSIDE CA 92518	SEMS

EPA ID: CA4570024527
Date SEMS List: 20-OCT-2021
FIPS Code:
Cong District:
County: RIVERSIDE
Latitude: 33.906389
Longitude: -117.255700
Region:
PGM Sys ID(MAP): CA4570024527

Primary Name(MAP): US DOD USAF MARCH AIR RESERVE BASE
Loc Address(MAP): MARCH AIR FORCE BASE
City Name(MAP): RIVERSIDE
State Code(MAP): CA
Postal Code(MAP): 92501
County Name(MAP): RIVERSIDE
Latitude83(MAP): 33.906389
Longitude83(MAP): -117.2557

Site Level Information

Site ID: 0902761
NPL: Currently on the Final NPL
Federal Facility: Yes
FF Docket: Yes
Non NPL Status:

Superfund Alt Agmt: No
FIPS Code: 06065
Cong District: 41,43
Region: 09

Action Information

Operable Units: 00
Action Code: HR
Action Name: HAZRANK
SEQ: 1

Start Actual: 06/01/1987
Finish Actual: 06/01/1987
Qual:
Curr Action Lead: EPA Perf

Operable Units: 00
Action Code: SI
Action Name: SI
SEQ: 1

Start Actual: 06/01/1987
Finish Actual: 06/01/1987
Qual: L
Curr Action Lead: Fed Fac

Operable Units: 01
Action Code: LY
Action Name: FF RA
SEQ: 1

Start Actual: 03/05/1996
Finish Actual:
Qual:
Curr Action Lead: Fed Fac

Operable Units: 05
Start Actual: 04/22/2019

Action Code:	RO	**Finish Actual:**	04/22/2019
Action Name:	ROD	**Qual:**	R
SEQ:	6	**Curr Action Lead:**	Fed Fac
Operable Units:	04	**Start Actual:**	09/27/1990
Action Code:	LW	**Finish Actual:**	09/29/2005
Action Name:	FF RI/FS	**Qual:**	
SEQ:	2	**Curr Action Lead:**	Fed Fac
Operable Units:	02	**Start Actual:**	04/01/2004
Action Code:	RO	**Finish Actual:**	04/01/2004
Action Name:	ROD	**Qual:**	
SEQ:	7	**Curr Action Lead:**	Fed Fac
Operable Units:	02	**Start Actual:**	07/01/1995
Action Code:	LW	**Finish Actual:**	07/01/1997
Action Name:	FF RI/FS	**Qual:**	
SEQ:	6	**Curr Action Lead:**	Fed Fac
Operable Units:	01	**Start Actual:**	06/20/1996
Action Code:	RO	**Finish Actual:**	06/20/1996
Action Name:	ROD	**Qual:**	
SEQ:	1	**Curr Action Lead:**	Fed Fac
Operable Units:	02	**Start Actual:**	01/24/1992
Action Code:	LW	**Finish Actual:**	04/30/1995
Action Name:	FF RI/FS	**Qual:**	
SEQ:	4	**Curr Action Lead:**	Fed Fac
Operable Units:	05	**Start Actual:**	10/30/2005
Action Code:	LW	**Finish Actual:**	05/21/2015
Action Name:	FF RI/FS	**Qual:**	
SEQ:	5	**Curr Action Lead:**	Fed Fac
Operable Units:	02	**Start Actual:**	05/11/2004
Action Code:	RO	**Finish Actual:**	05/11/2004
Action Name:	ROD	**Qual:**	
SEQ:	4	**Curr Action Lead:**	Fed Fac
Operable Units:	01	**Start Actual:**	04/07/1996
Action Code:	LX	**Finish Actual:**	04/18/1996
Action Name:	FF RD	**Qual:**	
SEQ:	1	**Curr Action Lead:**	Fed Fac
Operable Units:	01	**Start Actual:**	11/12/2018
Action Code:	EE	**Finish Actual:**	11/12/2018
Action Name:	EE/CA	**Qual:**	
SEQ:	1	**Curr Action Lead:**	Fed Fac
Operable Units:	00	**Start Actual:**	10/24/2000
Action Code:	AR	**Finish Actual:**	
Action Name:	ADMIN REC	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	02	**Start Actual:**	09/30/2005
Action Code:	RO	**Finish Actual:**	09/30/2005
Action Name:	ROD	**Qual:**	
SEQ:	5	**Curr Action Lead:**	Fed Fac
Operable Units:	04	**Start Actual:**	09/29/2005
Action Code:	RO	**Finish Actual:**	09/29/2005
Action Name:	ROD	**Qual:**	
SEQ:	3	**Curr Action Lead:**	Fed Fac
Operable Units:	00	**Start Actual:**	02/01/1985
Action Code:	DS	**Finish Actual:**	02/01/1985
Action Name:	DISCVRY	**Qual:**	
SEQ:	1	**Curr Action Lead:**	Fed Fac

Operable Units:	00	**Start Actual:**	11/21/1989
Action Code:	NF	**Finish Actual:**	11/21/1989
Action Name:	NPL FINL	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf
Operable Units:	01	**Start Actual:**	09/27/1990
Action Code:	LW	**Finish Actual:**	06/20/1996
Action Name:	FF RI/FS	**Qual:**	
SEQ:	1	**Curr Action Lead:**	Fed Fac
Operable Units:	00	**Start Actual:**	02/01/1987
Action Code:	PA	**Finish Actual:**	02/01/1987
Action Name:	PA	**Qual:**	L
SEQ:	1	**Curr Action Lead:**	Fed Fac
Operable Units:	00	**Start Actual:**	07/14/1989
Action Code:	NP	**Finish Actual:**	07/14/1989
Action Name:	PROPOSED	**Qual:**	
SEQ:	1	**Curr Action Lead:**	EPA Perf

REST Information

Registry ID:	110021307557	**Pgm Sys Acrnm:**	SEMS
Active Status:	CURRENTLY ON THE FINAL NPL	**Accuracy Value:**	
Key Field:	SEMSCA4570024527	**HUC8 Code:**	18070202
Interest Type:	SUPERFUND NPL	**HUC 12:**	
Fed Agency Name:		**Federal Land Ind:**	
Fed Facility Code:	Y	**Public Ind:**	Y
EPA Region Code:	09	**Pgm Report:**	no data yet
Collect Mth Desc:			
Ref Point Desc:			

Fac Url: https://ofmpub.epa.gov/frs_public2/fii_query_detail.disp_program_facility?p_registry_id=110021307557
Program Url: http://www.epa.gov/superfund/action/law/cercla.htm
Pgm Report Url: no data yet
Fips Code: 06065

12	*6 of 7*	*NW*	*0.42 / 2,216.32*	*1,483.54 / 12*	***MARCH AIR FORCE BASE*** ***22 CSG/CC*** ***RIVERSIDE CA 92518***	***SUPERFUND ROD***

EPA ID: CA4570024527
Site ID: 0902761
NPL Status: Final
Non NPL Status:
County: RIVERSIDE
Region: 09
Data Source(s): U.S. EPA SUPERFUND PROGRAM - Source: SEMS Superfund Public User Database - FOIA-002 Records of Decision (RODS), ROD Amendments, and Explanation of Significant Differences (ESDs); Searchable Superfund Decision Documents database (https://www.epa.gov/superfund/search-superfund-documents), made available by the US Environmental Protection Agency (EPA). Retrieved on February 23, 2021.

Document Information

Doc ID: 100019779
Date: 05/15/2019
Pub No:
Description:
PDF Link: https://semspub.epa.gov/src/document/09/100019779
Title: Final record of decision (ROD), OU 5, CG049 - Consolidated Groundwater Site 49, March Air Reserve Base & Former March Air Force Base, CA, w/o appendices A-F

Doc ID: 100019780
Date: 03/06/2019
Pub No:
Description:
PDF Link: https://semspub.epa.gov/src/document/09/100019780

Title: Final OU 1 record of decision (ROD) amendment for SS031 - unconfirmed solvent disposal or solvent spill, & ST034 - Pritchard aircraft fueling system, performance-based remediation at March Air Reserve Base & former March Air Force Base, CA (text only)

Doc ID: 1165044
Date: 02/16/2017
Pub No:
Description:
PDF Link: https://semspub.epa.gov/src/document/09/1165044
Title: Final OU 2 record of decision (ROD) amendment for WP019 - W March sludge drying beds, w/appendices A-C & TL to C Brown, S Niou & P Hannon fr J Ebert, 10/6/16

Doc ID: 2012881
Date: 05/11/2004
Pub No:
Description:
PDF Link: https://semspub.epa.gov/src/document/09/2012881
Title: Record of Decision (ROD) w/TL fr P Mook 4/29/04 (02 ROD 004)

Doc ID: 90559
Date: 08/24/2000
Pub No:
Description:
PDF Link: https://semspub.epa.gov/src/document/09/90559
Title: Explanation of significant differences (ESD) re OU 1 ROD remedy for sites 10 & 15

Doc ID: 88194080
Date: 06/20/1996
Pub No:
Description:
PDF Link: https://semspub.epa.gov/src/document/09/88194080
Title: Record of decision (ROD), OU 1, with appendices A-C (includes administrative record index) (OU2, ROD signature)

Action Information

Seq ID: 1
Action Name: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Name: EAST MARCH - SOILS/GW
Actual Comp Date: 06/20/96

Seq ID: 6
Action Name: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Name: SITEWIDE GW
Actual Comp Date: 04/22/19

Seq ID: 2
Action Name: FF ROD Amendment
Operable Unit Name: EAST MARCH - SOILS/GW
Actual Comp Date: 02/25/19

Seq ID: 1
Action Name: FF ROD Amendment
Operable Unit Name: EAST MARCH - SOILS/GW
Actual Comp Date: 08/01/17

Seq ID: 3
Action Name: FF ROD Amendment
Operable Unit Name: WEST MARCH - SOILS/GW
Actual Comp Date: 12/12/16

Seq ID: 5
Action Name: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Name: WEST MARCH - SOILS/GW
Actual Comp Date: 09/30/05

Seq ID: 3
Action Name: FF ROD (RCRA Statement of Basis/RTC)

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Operable Unit Name: BASEWIDE
Actual Comp Date: 09/29/05

Seq ID: 4
Action Name: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Name: WEST MARCH - SOILS/GW
Actual Comp Date: 05/11/04

Seq ID: 7
Action Name: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Name: WEST MARCH - SOILS/GW
Actual Comp Date: 04/01/04

Seq ID: 1
Action Name: FF ESD
Operable Unit Name: EAST MARCH - SOILS/GW
Actual Comp Date: 08/24/00

12	7 of 7	NW	0.42 / 2,216.32	1,483.54 / 12	MARCH AIR FORCE BASE 22 CSG/CC RIVERSIDE CA 92518	PFAS NPL

EPA ID: CA4570024527
NPL Status Code: F
Federal Facility Flag: Yes
SF Alt Agreement: No
Latitude: 33.906389
Longitude: -117.255700
County: RIVERSIDE
Region: 09

13	1 of 1	W	0.49 / 2,592.37	1,493.61 / 22	SUPREME TRUCK BODIE 1190 HARLEY KNOX PERRIS CA 92571	RCRA TSD

EPA Handler ID: CAL000446309
Gen Status Universe: No Report
Contact Name: ARTURO ANDRADE
Contact Address: 22135 ALESSANDRO BLVD , , MORENO VALLEY , CA, 92553 ,
Contact Phone No and Ext: 951-656-6101
Contact Email: ARTURO.ANDRADE@WABASHNATIONAL.COM
Contact Country:
Land Type:
County Name: RIVERSIDE
EPA Region: 09
Receive Date: 20190528
Location Latitude: 33.859062
Location Longitude: -117.252314

Violation/Evaluation Summary

Note: NO RECORDS: As of Nov 2021, there are no Compliance Monitoring and Enforcement (violation) records associated with this facility (EPA ID).

Handler Summary

Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility: No
Onsite Burner Exemption: No
Smelting, Melting and Refining: No
Underground Injection Control: No
Commercial TSD: No
Used Oil Transporter: No
Used Oil Transfer Facility: No
Used Oil Processor: No
Used Oil Refiner: No

Map Key	Number of Records	Direction	Distance (mi/ft)	Elev/Diff (ft)	Site	DB

Used Oil Burner: No
Used Oil Market Burner: No
Used Oil Spec Marketer: No

Hazardous Waste Handler Details

Sequence No: 1
Receive Date: 20190528
Handler Name: SUPREME TRUCK BODIE
Federal Waste Generator Code: N
Generator Code Description: Not a Generator, Verified
Source Type: Implementer

Owner/Operator Details

Owner/Operator Ind: Current Operator
Type: Other
Name: ARTURO ANDRADE
Date Became Current:
Date Ended Current:
Phone: 951-656-6101
Source Type: Implementer
Street No:
Street 1: 22135 ALESSANDRO BLVD
Street 2:
City: MORENO VALLEY
State: CA
Country:
Zip Code: 92553

Owner/Operator Ind: Current Owner
Type: Other
Name: WABASH NATIONAL
Date Became Current:
Date Ended Current:
Phone: 765-771-5300
Source Type: Implementer
Street No:
Street 1: 1000 SAGAMORE PKWY
Street 2:
City: LAFAYETTE
State: IN
Country:
Zip Code: 47905

14	1 of 1	SE	0.49 / 2,606.15	1,461.54 / -10	**Bruno Farms Inc.** **233 W MARKHAM ST** **PERRIS CA 92571**	**DELISTED HAZ**

Siteid: 100325
Latitude: 33.850876
Longitude: -117.230957
Original Source: CHAZ
Record Date: 09-JUL-2018

Unplottable Summary

Total: 2 Unplottable sites

DB	Company Name/Site Name	Address	City	Zip	ERIS ID
CHMIRS	EMWD	Indian St ***Notified Date:*** 10/23/2020 3:28:00 PM	Moreno CA	92553	890075909
CHMIRS	Emergency Response & Training Solutions	Harley Knox (roundabout) & North Webster Avenue ***Notified Date:*** 3/29/2019 3:41:00 PM	Perris CA		875358413

Unplottable Report

Site: ***EMWD***
Indian St Moreno CA 92553

CHMIRS

Control No:	'20-5931	***Notified Date:***	10/23/2020 3:28:00 PM
County:	Riverside County	***Notified Date Time:***	
Year:	2020		
URL:			

Spill Report View

Amount 1:		***Creation Date:***	10/23/2020 03:28 PM
Amount 2:		***Received By:***	
Amount 3:		***Admin Agency:***	
Type:	SEWAGE	***Admin Agency 2:***	
Water:		***Additional County:***	
On Scene:		***Phone No:***	
Other on Scene:		***Ext:***	
Other Notified:		***Pag Cell:***	
Document Title:	SPILL Report		
Spill Site:	Road		
Cause Desc for Other:			
Person Notifying Cal OES:			

Hazardous Materials Spill Report

Contained:	Stopped, Contained	***Control Cal OES:***	20-5931
Date :	10/23/2020	***Control NRC:***	
Time:	1528	***Received By:***	
Incident Date:	10/23/2020	***Cleanup By:***	Reporting Party
Incident Time:	1427	***2 Substance:***	
Water Involved:	Yes	***2 Qty:***	=
Waterway:	Stormdrain	***2 Amount:***	
Drink Wtr Impact:		***2 Measure:***	
Detail for Other:		***2 Type:***	
UPRR Rim No:		***2 Other:***	
DOG Unit:		***2 Pipeline:***	No
RWQCB Unit:	7	***2 Ves >= 300 Tns:***	No
1 Substance:	Sewage	***3 Substance:***	
1 Qty:	=	***3 Qty:***	=
1 Amount :	8000	***3 Amount:***	
1 Measure:	Gal(s)	***3 Measure:***	
1 Type:	SEWAGE	***3 Type:***	
1 Other:		***3 Other:***	
1 Pipeline:	No	***3 Pipeline:***	No
1 Ves >= 300 Tons:	No	***3 Ves >= 300 Tons:***	No
Incident Location:	Indian St		
Additional County:			
Injuries:	No		
Fatality:	No		
Evacuation:	No		
Known Impact:			
Name:			
Agency:	EMWD		
Phone:			
Ext:			
Pag Cell:			
PRS Name:			
PRS Agency:			
PRS Phone:			
PRS Ext:			

PRS Pag Cell:
Sec Agency:
Admin Agency: Riverside County Environmental Health
Admin Agency 2:
Notification Info:
Notification List:
On Scene:
Other on Scene:
Other Notified:
Header Unknown: SOUTH COAST AQMD
Incident Desc:
Site: Road
Reported Cause: Mechanical
R R Crssing < 50 Ft:
Description: Per caller, a leak from one of the pipes resulted in the release of substance into a stormdrain. Stormdrain empties into a basin. Stopped and contained. EMWD is conducting clean up.

California Hazardous Material Incident Report System (2020)

Incident Date:	10/23/2020	***Dog No:***	
Time:	1427	***A2 Substance:***	
Spill Site:	Road	***A2 Quantity:***	
Site:	Stormdrain	***A2 Measure:***	
Contained:	Stopped,Contained	***A2 Type:***	
Water:	Yes	***A2 Other:***	
Water Way:	Stormdrain	***A2 Pipeline:***	No
Injuries Yes/No:	No	***A2 Vessel 300 Tons:***	No
Injuries No:		***A3 Substance:***	
Fatals Yes/No:	No	***A3 Quantity:***	
Fatals No:		***A3 Measure:***	
Evacs Yes/No:	No	***A3 Type:***	
Evacs No:		***A3 Other:***	
Cleanup:	Reporting Party	***A3 Pipeline:***	No
Cause:	Mechanical	***A3 Vessel 300 Tons:***	No
A1 Substance:	Sewage	***Cause Other:***	
A1 Other:		***Drinking Water Impact:***	
A1 Quantity:	8000	***Known Impact:***	
A1 Measure:	Gal(s)	***City:***	Moreno
A1 Type:	SEWAGE	***County:***	Riverside County
A1 Pipeline:	No	***ZIP:***	92553
A1 Vessel 300 Tons:	No		

Admin Agency: Riverside County Environmental Health
Notification Area: AA/CUPA,DTSC,RWQCB,US EPA,USFWS,DFG-OSPR,DWP-DO,LANDS,PARKS & REC,Co/Hlth,Co/E-Hlth
Description: Per caller, a leak from one of the pipes resulted in the release of substance into a stormdrain. Stormdrain empties into a basin. Stopped and contained. EMWD is conducting clean up.
Location: Indian St

Site: ***Emergency Response & Training Solutions***
Harley Knox (roundabout) & North Webster Avenue Perris CA

CHMIRS

Control No:	'19-2099	***Notified Date:***	3/29/2019 3:41:00 PM
County:	Riverside County	***Notified Date Time:***	
Year:	2019		
URL:			

Spill Report View

Amount 1:		***Creation Date:***	03/29/2019 03:41 PM
Amount 2:		***Received By:***	
Amount 3:		***Admin Agency:***	
Type:	PETROLEUM	***Admin Agency 2:***	
Water:		***Additional County:***	
On Scene:		***Phone No:***	
Other on Scene:		***Ext:***	
Other Notified:		***Pag Cell:***	
Document Title:	SPILL Report		
Spill Site:	Road		

Cause Desc for Other:
Person Notifying Cal OES:

Hazardous Materials Spill Report

Contained:	Stopped, Contained	***Control Cal OES:***	19-2099
Date :	03/29/2019	***Control NRC:***	
Time:	1541	***Received By:***	
Incident Date:	03/29/2019	***Cleanup By:***	Contractor
Incident Time:	1440	***2 Substance:***	
Water Involved:	No	***2 Qty:***	=
Waterway:	None	***2 Amount:***	
Drink Wtr Impact:	No	***2 Measure:***	
Detail for Other:		***2 Type:***	
UPRR Rim No:		***2 Other:***	
DOG Unit:		***2 Pipeline:***	No
RWQCB Unit:	8	***2 Ves >= 300 Tns:***	No
1 Substance:	Fuel, diesel	***3 Substance:***	
1 Qty:	=	***3 Qty:***	=
1 Amount :	50	***3 Amount:***	
1 Measure:	Gal(s)	***3 Measure:***	
1 Type:	PETROLEUM	***3 Type:***	
1 Other:		***3 Other:***	
1 Pipeline:	No	***3 Pipeline:***	No
1 Ves >= 300 Tons:	No	***3 Ves >= 300 Tons:***	No

Incident Location:	Harley Knox (roundabout) & North Webster Avenue
Additional County:	
Injuries:	No
Fatality:	No
Evacuation:	No
Known Impact:	None
Name:	
Agency:	Emergency Response & Training Solutions
Phone:	
Ext:	
Pag Cell:	
PRS Name:	
PRS Agency:	
PRS Phone:	
PRS Ext:	
PRS Pag Cell:	
Sec Agency:	
Admin Agency:	Riverside County Environmental Health
Admin Agency 2:	
Notification Info:	
Notification List:	
On Scene:	
Other on Scene:	
Other Notified:	None
Header Unknown:	SOUTH COAST AQMD
Incident Desc:	
Site:	Road
Reported Cause:	Unknown
R R Crssing < 50 Ft:	
Description:	A single freight tractor trailer roll-over occurred at the listed location. The incident resulted in a diesel fuel spill to the roadway and shoulder. No waterways were impacted. A contractor was contacted and will be performing a cleanup.

California Hazardous Material Incident Report System (2019)

Owner OID Key:	3/29/2019	***Dog No:***	
Time :	1440	***A2 Substance:***	
Spill Site:	Road	***A2 Quantity:***	
Site:	None	***A2 Measure:***	
Contained:	Stopped,Contained	***A2 Type:***	
Water :	No	***A2 Other:***	
Water Way:	None	***A2 Pipeline:***	No
Injuries Yes/No:	No	***A2 Vessel 300 Tons:***	No
Injuries No:		***A3 Substance:***	

Fatals Yes/No:	No	***A3 Quantity:***	
Fatals No:		***A3 Measure:***	
Evacs Yes/No:	No	***A3 Type:***	
Evacs No:		***A3 Other:***	
Cleanup:	Contractor	***A3 Pipeline:***	No
Admin Agency:	Riverside County Environmental Health	***A3 Vessel 300 Tons:***	No
Cause:	Unknown	***Cause Other:***	
A1 Substance:	Fuel, diesel	***Drink Water Impact:***	No
A1 Other:		***Known Impact:***	None
A1 Quantity:	50	***Location:***	Harley Knox (roundabout) & North Webster Avenue
A1 Measure:	Gal(s)	***City:***	Perris
A1 Type:	PETROLEUM	***County:***	Riverside County
A1 Pipeline:	No	***ZIP:***	
A1 Vessel 300 Tons:	No		

Description: A single freight tractor trailer roll-over occurred at the listed location. The incident resulted in a diesel fuel spill to the roadway and shoulder. No waterways were impacted. A contractor was contacted and will be performing a cleanup.

Notification Area: AA/CUPA,DTSC,RWQCB,US EPA,USFWS,Co/WP,Co/E-Hlth

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ERIS updates databases as set out in ASTM Standard E1527-13 and E1527-21, Section 8.1.8 Sources of Standard Source Information:

"Government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public."

Standard Environmental Record Sources

Federal

Formerly Utilized Sites Remedial Action Program: DOE FUSRAP

The U.S. Department of Energy (DOE) established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from the Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations. The DOE Office of Legacy Management (LM) established long-term surveillance and maintenance (LTS&M) requirements for remediated FUSRAP sites. DOE evaluates the final site conditions of a remediated site on the basis of risk for different future uses. DOE then confirms that LTS&M requirements will maintain protectiveness.

Government Publication Date: Mar 4, 2017

National Priority List: NPL

National Priorities List (Superfund)-NPL: EPA's (United States Environmental Protection Agency) list of the most serious uncontrolled or abandoned hazardous waste sites identified for possible long-term remedial action under the Superfund program. The NPL, which EPA is required to update at least once a year, is based primarily on the score a site receives from EPA's Hazard Ranking System. A site must be on the NPL to receive money from the Superfund Trust Fund for remedial action.

Government Publication Date: Oct 20, 2021

National Priority List - Proposed: PROPOSED NPL

Includes sites proposed (by the EPA, the state, or concerned citizens) for addition to the NPL due to contamination by hazardous waste and identified by the Environmental Protection Agency (EPA) as a candidate for cleanup because it poses a risk to human health and/or the environment.

Government Publication Date: Oct 20, 2021

Deleted NPL: DELETED NPL

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Government Publication Date: Oct 20, 2021

SEMS List 8R Active Site Inventory: SEMS

The Superfund Program has deployed the Superfund Enterprise Management System (SEMS), which integrates multiple legacy systems into a comprehensive tracking and reporting tool. This inventory contains active sites evaluated by the Superfund program that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The Active Site Inventory Report displays site and location information at active SEMS sites. An active site is one at which site assessment, removal, remedial, enforcement, cost recovery, or oversight activities are being planned or conducted.

Government Publication Date: Oct 20, 2021

Inventory of Open Dumps, June 1985: ODI

The Resource Conservation and Recovery Act (RCRA) provides for publication of an inventory of open dumps. The Act defines "open dumps" as facilities which do not comply with EPA's "Criteria for Classification of Solid Waste Disposal Facilities and Practices" (40 CFR 257).

Government Publication Date: Jun 1985

SEMS List 8R Archive Sites: SEMS ARCHIVE

The Superfund Enterprise Management System (SEMS) Archived Site Inventory displays site and location information at sites archived from SEMS. An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time.

Government Publication Date: Oct 20, 2021

Comprehensive Environmental Response, Compensation and Liability Information System - CERCLIS: CERCLIS

Superfund is a program administered by the United States Environmental Protection Agency (EPA) to locate, investigate, and clean up the worst hazardous waste sites throughout the United States. CERCLIS is a database of potential and confirmed hazardous waste sites at which the EPA Superfund program has some involvement. It contains sites that are either proposed to be or are on the National Priorities List (NPL) as well as sites that are in the screening and assessment phase for possible inclusion on the NPL. The EPA administers the Superfund program in cooperation with individual states and tribal governments; this database is made available by the EPA.

Government Publication Date: Oct 25, 2013

EPA Report on the Status of Open Dumps on Indian Lands: IODI

Public Law 103-399, The Indian Lands Open Dump Cleanup Act of 1994, enacted October 22, 1994, identified congressional concerns that solid waste open dump sites located on American Indian or Alaska Native (AI/AN) lands threaten the health and safety of residents of those lands and contiguous areas. The purpose of the Act is to identify the location of open dumps on Indian lands, assess the relative health and environment hazards posed by those sites, and provide financial and technical assistance to Indian tribal governments to close such dumps in compliance with Federal standards and regulations or standards promulgated by Indian Tribal governments or Alaska Native entities.

Government Publication Date: Dec 31, 1998

CERCLIS - No Further Remedial Action Planned: CERCLIS NFRAP

An archived site is one at which EPA has determined that assessment has been completed and no further remedial action is planned under the Superfund program at this time. The Archive designation means that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL). This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Government Publication Date: Oct 25, 2013

CERCLIS Liens: CERCLIS LIENS

A Federal Superfund lien exists at any property where EPA has incurred Superfund costs to address contamination ("Superfund site") and has provided notice of liability to the property owner. A Federal CERCLA ("Superfund") lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Jan 30, 2014

RCRA CORRACTS-Corrective Action: RCRA CORRACTS

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. At these sites, the Corrective Action Program ensures that cleanups occur. EPA and state regulators work with facilities and communities to design remedies based on the contamination, geology, and anticipated use unique to each site.

Government Publication Date: Nov 17, 2021

RCRA non-CORRACTS TSD Facilities: RCRA TSD

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. This database includes Non-Corrective Action sites listed as treatment, storage and/or disposal facilities of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Government Publication Date: Nov 17, 2021

RCRA Generator List: RCRA LQG

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Large Quantity Generators (LQGs) generate 1,000 kilograms per month or more of hazardous waste or more than one kilogram per month of acutely hazardous waste.

Government Publication Date: Nov 17, 2021

RCRA Small Quantity Generators List: RCRA SQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Small Quantity Generators (SQGs) generate more than 100 kilograms, but less than 1,000 kilograms, of hazardous waste per month.

Government Publication Date: Nov 17, 2021

RCRA Very Small Quantity Generators List: RCRA VSQG

RCRA Info is the EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Very Small Quantity Generators (VSQG) generate 100 kilograms or less per month of hazardous waste, or one kilogram or less per month of acutely hazardous waste. Additionally, VSQG may not accumulate more than 1,000 kilograms of hazardous waste at any time.

Government Publication Date: Nov 17, 2021

RCRA Non-Generators: RCRA NON GEN

RCRA Info is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRA Info replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS) and the Biennial Reporting System (BRS). A hazardous waste generator is any person or site whose processes and actions create hazardous waste (see 40 CFR 260.10). Non-Generators do not presently generate hazardous waste.

Government Publication Date: Nov 17, 2021

RCRA Sites with Controls: RCRA CONTROLS

List of Resource Conservation and Recovery Act (RCRA) facilities with institutional controls in place. RCRA gives the U.S. Environmental Protection Agency (EPA) the authority to control hazardous waste from the "cradle-to-grave." This includes the generation, transportation, treatment, storage, and disposal of hazardous waste. RCRA also set forth a framework for the management of non-hazardous solid wastes. The 1986 amendments to RCRA enabled EPA to address environmental problems that could result from underground tanks storing petroleum and other hazardous substances.

Government Publication Date: Nov 17, 2021

Federal Engineering Controls-ECs: FED ENG

Engineering controls (ECs) encompass a variety of engineered and constructed physical barriers (e.g., soil capping, sub-surface venting systems, mitigation barriers, fences) to contain and/or prevent exposure to contamination on a property. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Feb 23, 2021

Federal Institutional Controls- ICs: FED INST

Institutional controls are non-engineered instruments, such as administrative and legal controls, that help minimize the potential for human exposure to contamination and/or protect the integrity of the remedy. Although it is EPA's (United States Environmental Protection Agency) expectation that treatment or engineering controls will be used to address principal threat wastes and that groundwater will be returned to its beneficial use whenever practicable, ICs play an important role in site remedies because they reduce exposure to contamination by limiting land or resource use and guide human behavior at a site.

Government Publication Date: Feb 23, 2021

Land Use Control Information System: LUCIS

The LUCIS database is maintained by the U.S. Department of the Navy and contains information for former Base Realignment and Closure (BRAC) properties across the United States.

Government Publication Date: Sep 1, 2006

Emergency Response Notification System: ERNS 1982 TO 1986

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1982-1986

Emergency Response Notification System: ERNS 1987 TO 1989

Database of oil and hazardous substances spill reports controlled by the National Response Center. The primary function of the National Response Center is to serve as the sole national point of contact for reporting oil, chemical, radiological, biological, and etiological discharges into the environment anywhere in the United States and its territories.

Government Publication Date: 1987-1989

Emergency Response Notification System: ERNS

Database of oil and hazardous substances spill reports made available by the United States Coast Guard National Response Center (NRC). The NRC fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. These data contain initial incident data that has not been validated or investigated by a federal/state response agency.

Government Publication Date: Jul 26, 2021

The Assessment, Cleanup and Redevelopment Exchange System (ACRES) Brownfield Database: FED BROWNFIELDS

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties protects the environment, reduces blight, and takes development pressures off greenspaces and working lands. This database is made available by the United States Environmental Protection Agency (EPA).

Government Publication Date: Aug 20, 2021

FEMA Underground Storage Tank Listing: FEMA UST

The Federal Emergency Management Agency (FEMA) of the Department of Homeland Security maintains a list of FEMA owned underground storage tanks.

Government Publication Date: Dec 31, 2017

Facility Response Plan: FRP

List of facilities that have submitted Facility Response Plans (FRP) to EPA. Facilities that could reasonably be expected to cause "substantial harm" to the environment by discharging oil into or on navigable waters are required to prepare and submit Facility Response Plans (FRPs). Harm is determined based on total oil storage capacity, secondary containment and age of tanks, oil transfer activities, history of discharges, proximity to a public drinking water intake or sensitive environments.

Government Publication Date: Dec 2, 2020

Historical Gas Stations: HIST GAS STATIONS

This historic directory of service stations is provided by the Cities Service Company. The directory includes Cities Service filling stations that were located throughout the United States in 1930.

Government Publication Date: Jul 1, 1930

Petroleum Refineries: REFN

List of petroleum refineries from the U.S. Energy Information Administration (EIA) Refinery Capacity Report. Includes operating and idle petroleum refineries (including new refineries under construction) and refineries shut down during the previous year located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U.S. possessions. Survey locations adjusted using public data.

Government Publication Date: Jul 10, 2020

Petroleum Product and Crude Oil Rail Terminals: BULK TERMINAL

List of petroleum product and crude oil rail terminals made available by the U.S. Energy Information Administration (EIA). Includes operable bulk petroleum product terminals located in the 50 States and the District of Columbia with a total bulk shell storage capacity of 50,000 barrels or more, and/or the ability to receive volumes from tanker, barge, or pipeline; also rail terminals handling the loading and unloading of crude oil that were active between 2017 and 2018. Petroleum product terminals comes from the EIA-815 Bulk Terminal and Blender Report, which includes working, shell in operation, and shell idle for several major product groupings. Survey locations adjusted using public data.

Government Publication Date: Apr 28, 2020

LIEN on Property: SEMS LIEN

The EPA Superfund Enterprise Management System (SEMS) provides LIEN information on properties under the EPA Superfund Program.

Government Publication Date: Oct 20, 2021

Superfund Decision Documents: SUPERFUND ROD

This database contains a listing of decision documents for Superfund sites. Decision documents serve to provide the reasoning for the choice of (or) changes to a Superfund Site cleanup plan. The decision documents include Records of Decision (ROD), ROD Amendments, Explanations of Significant Differences (ESD), along with other associated memos and files. This information is maintained and made available by the US EPA (Environmental Protection Agency).

Government Publication Date: Jun 28, 2021

State

State Response Sites: RESPONSE

A list of identified confirmed release sites where the Department of Toxic Substances Control (DTSC) is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk. This database is state equivalent NPL.

Government Publication Date: Sep 15, 2021

EnviroStor Database: ENVIROSTOR

The EnviroStor Data Management System is made available by the Department of Toxic Substances Control (DTSC). Includes Corrective Action sites, Tiered Permit sites, Historical Sites and Evaluation/Investigation sites. This database is state equivalent CERCLIS.

Government Publication Date: Sep 15, 2021

Delisted State Response Sites: DELISTED ENVS

Sites removed from the list of State Response Sites made available by the EnviroStor Data Management System, Department of Toxic Substances Control (DTSC).

Government Publication Date: Sep 15, 2021

Solid Waste Information System (SWIS): SWF/LF

The Solid Waste Information System (SWIS) database made available by the Department of Resources Recycling and Recovery (CalRecycle) contains information on solid waste facilities, operations, and disposal sites throughout the State of California. The types of facilities found in this database include landfills, transfer stations, material recovery facilities, composting sites, transformation facilities, waste tire sites, and closed disposal sites.

Government Publication Date: Nov 2, 2021

Solid Waste Disposal Sites with Waste Constituents Above Hazardous Waste Levels: SWRCB SWF

This is a list of solid waste disposal sites identified by California State Water Resources Control Board with waste constituents above hazardous waste levels outside the waste management unit.

Government Publication Date: Sep 20, 2006

EnviroStor Hazardous Waste Facilities: HWP

A list of hazardous waste facilities including permitted, post-closure and historical facilities found in the Department of Toxic Substances Control (DTSC) EnviroStor database.

Government Publication Date: Sep 15, 2021

Sites Listed in the Solid Waste Assessment Test (SWAT) Program Report: SWAT

In a 1993 Memorandum of Understanding, the State Water Resources Control Board (SWRCB) agreed to submit a comprehensive report on the Solid Waste Assessment Test (SWAT) Program to the California Integrated Waste Management Board (CIWMB). This report summarizes the work completed to date on the SWAT Program, and addresses both the impacts that leakage from solid waste disposal sites (SWDS) may have upon waters of the State and the actions taken to address such leakage.

Government Publication Date: Dec 31, 1995

Construction and Demolition Debris Recyclers: C&D DEBRIS RECY

This listing of Construction and Demolition Debris Recyclers is maintained by the California Intergrated Waste Management Board-common C&D materials include lumber, drywall, metals, masonry (brick, concrete, etc.), carpet, plastic, pipe, rocks, dirt, paper, cardboard, or green waste related to land development.

Government Publication Date: Jun 20, 2018

Recycling Centers: RECYCLING

This list of Certified Recycling Centers that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Nov 2, 2020

Listing of Certified Processors: PROCESSORS

This list of Certified Processors that are operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Oct 27, 2020

Listing of Certified Dropoff, Collection, and Community Service Programs: CONTAINER RECY

This list of Certified Dropoff, Collection, and Community Service Programs (non-buyback) operating under the state of California's Beverage Container Recycling Program is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

Land Disposal Sites: LDS

Land Disposal Sites in GeoTracker, the State Water Resources Control Board (SWRCB)'s data management system. The Land Disposal program regulates of waste discharge to land for treatment, storage and disposal in waste management units. Waste management units include waste piles, surface impoundments, and landfills.

Government Publication Date: Oct 20, 2021

Leaking Underground Fuel Tank Reports: LUST

List of Leaking Underground Storage Tanks within the Cleanup Sites data in GeoTracker database. GeoTracker is the State Water Resources Control Board's (SWRCB) data management system for managing sites that impact groundwater, especially those that require groundwater cleanup (Underground Storage Tanks, Department of Defense and Site Cleanup Program) as well as permitted facilities such as operating Underground Storage Tanks. The Leak Prevention Program that overlooks LUST sites is the SWRCB in California's Environmental Protection Agency.

Government Publication Date: Jun 22, 2021

Delisted Leaking Storage Tanks: DELISTED LST

List of Leaking Underground Storage Tanks (LUST) cleanup sites removed from GeoTracker, the State Water Resources Control Board (SWRCB)'s database system, as well as sites removed from the SWRCB's list of UST Case closures.

Government Publication Date: Jun 22, 2021

Permitted Underground Storage Tank (UST) in GeoTracker: UST

List of Permitted Underground Storage Tank (UST) sites made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA).

Government Publication Date: Oct 17, 2021

Proposed Closure of Underground Storage Tank Cases: UST CLOSURE

List of UST cases that are being considered for closure by either the California Environmental Protection Agency, State Water Resources Control Board or the Executive Director that have been posted for a 60-day public comment period.

Government Publication Date: May 5, 2021

Historical Hazardous Substance Storage Information Database: HHSS

The Historical Hazardous Substance Storage database contains information collected in the 1980s from facilities that stored hazardous substances. The information was originally collected on paper forms, was later transferred to microfiche, and recently indexed as a searchable database. When using this database, please be aware that it is based upon self-reported information submitted by facilities which has not been independently verified. It is unlikely that every facility responded to the survey and the database should not be expected to be a complete inventory of all facilities that were operating at that time. This database is maintained by the California State Water Resources Control Board's (SWRCB) Geotracker.

Government Publication Date: Aug 27, 2015

Statewide Environmental Evaluation and Planning System: UST SWEEPS

The Statewide Environmental Evaluation and Planning System (SWEEPS) is a historical listing of active and inactive underground storage tanks made available by the California State Water Resources Control Board (SWRCB).

Government Publication Date: Oct 1, 1994

Aboveground Storage Tanks: AST

A statewide list from 2009 of aboveground storage tanks (ASTs) made available by the Cal FIRE Office of the State Fire Marshal (OSFM). This list is no longer maintained or updated by the Cal FIRE OSFM.

Government Publication Date: Aug 31, 2009

SWRCB Historical Aboveground Storage Tanks: AST SWRCB

A list of aboveground storage tanks made available by the California State Water Resources Control Board (SWRCB). Effective January 1, 2008, the Certified Unified Program Agencies (CUPAs) are vested with the responsibility and authority to implement the Aboveground Petroleum Storage Act (APSA).

Government Publication Date: Dec 1, 2007

Oil and Gas Facility Tanks: TANK OIL GAS

Locations of oil and gas tanks that fall under the jurisdiction of the Geologic Energy Management Division of the California Department of Conservation (CalGEM) (CCR 1760). CalGEM was formerly the Division of Oil, Gas, and Geothermal Resources (DOGGR).

Government Publication Date: Sep 13, 2021

Delisted Storage Tanks: DELISTED TNK

This database contains a list of storage tank sites that were removed by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency (EPA) and the Cal FIRE Office of State Fire Marshal (OSFM).

Government Publication Date: Dec 10, 2021

California Environmental Reporting System (CERS) Tanks: CERS TANK

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Sep 24, 2021

Delisted California Environmental Reporting System (CERS) Tanks: DELISTED CTNK

This database contains a list of Aboveground Petroleum Storage and Underground Storage Tank sites that were removed from in the California Environmental Protection Agency (CalEPA) Regulated Site Portal.

Government Publication Date: Sep 24, 2021

Historical Hazardous Substance Storage Container Information - Facility Summary: HIST TANK

The State Water Resources Control Board maintained the Hazardous Substance Storage Containers listing and inventory in th 1980s. This facility summary lists historic tank sites where the following container types were present: farm motor vehicle fuel tanks; waste tanks; sumps; pits, ponds, lagoons, and others; and all other product tanks. This set, published in May 1988, lists facility and owner information, as well as the number of containers. This data is historic and will not be updated.

Government Publication Date: May 27, 1988

Site Mitigation and Brownfields Reuse Program Facility Sites with Land Use Restrictions: LUR

The Department of Toxic Substances Control (DTSC) Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents land use restrictions that are active. Some sites have multiple land use restrictions.

Government Publication Date: Sep 15, 2021

CALSITES Database: CALSITES

This historical database was maintained by the Department of Toxic Substance Control (DTSC) for more than a decade. CALSITES contains information on Brownfield properties with confirmed or potential hazardous contamination. In 2006, DTSC introduced EnviroStor as the latest Brownfields site database.

Government Publication Date: May 1, 2004

Hazardous Waste Management Program Facility Sites with Deed / Land Use Restrictions: HLUR

The Department of Toxic Substances Control (DTSC) Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Government Publication Date: Feb 18, 2021

Deed Restrictions and Land Use Restrictions: DEED

List of Deed Restrictions, Land Use Restrictions and Covenants in GeoTracker made available by the State Water Resources Control Board (SWRCB) in California's Environmental Protection Agency. A deed restriction (land use covenant) may be required to facilitate the remediation of past environmental contamination and to protect human health and the environment by reducing the risk of exposure to residual hazardous materials.

Government Publication Date: Oct 20, 2021

Voluntary Cleanup Program: VCP

List of sites in the Voluntary Cleanup Program made available by the Department of Toxic Substances and Control (DTSC). The Voluntary Cleanup Program was designed to respond to lower priority sites. Under the Voluntary Cleanup Program, DTSC enters site-specific agreements with project proponents for DTSC oversight of site assessment, investigation, and/or removal or remediation activities, and the project proponents agree to pay DTSC's reasonable costs for those services.

Government Publication Date: Sep 15, 2021

GeoTracker Cleanup Program Sites: CLEANUP SITES

A list of Cleanup Program sites in the state of California made available by The State Water Resources Control Board (SWRCB) of the California Environmental Protection Agency (EPA). SWRCB tracks leaking underground storage tank cleanups as well as other water board cleanups.

Government Publication Date: Jun 22, 2021

Delisted County Records: DELISTED COUNTY

Records removed from county or CUPA databases. Records may be removed from the county lists made available by the respective county departments because they are inactive, or because they have been deemed to be below reportable thresholds.

Government Publication Date: Dec 10, 2021

Tribal

Leaking Underground Storage Tanks (LUSTs) on Indian Lands: INDIAN LUST

LUSTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Underground Storage Tanks (USTs) on Indian Lands: INDIAN UST

USTs on Tribal/Indian Lands in Region 9, which includes California.

Government Publication Date: Apr 8, 2020

Delisted Tribal Leaking Storage Tanks: DELISTED ILST

Leaking Underground Storage Tank facilities which have been removed from the Regional Tribal LUST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

Delisted Tribal Underground Storage Tanks: DELISTED IUST

Underground Storage Tank facilities which have been removed from the Regional Tribal UST lists made available by the EPA.

Government Publication Date: Apr 14, 2020

County

Riverside County - Local Oversight Program List: LOP RIVERSIDE

A list of Leaking Underground Storage Tank (LUST) facilities in Riverside County. This list is made available by Riverside County Department of Environmental Health. Environmental Cleanup Program provides oversight of assessments and cleanups at properties that have been, or may have been, contaminated with hazardous substances from LUSTs or releases associated with other commercial/industrial use.

Government Publication Date: Jul 22, 2021

Riverside County - Underground Storage Tanks List: UST RIVERSIDE

A list of registered Underground Storage Tank (UST) sites in Riverside County. This list is made available by Riverside County Department of Environmental Health. The Hazardous Materials Management Branch (HMMB) regulates and oversees the inspections of constructions, repairs, upgrades, system operation and removal of UST systems.

Government Publication Date: Jul 22, 2021

Additional Environmental Record Sources

Federal

Facility Registry Service/Facility Index: FINDS/FRS

The Facility Registry Service (FRS) is a centrally managed database that identifies facilities, sites, or places subject to environmental regulations or of environmental interest. FRS creates high-quality, accurate, and authoritative facility identification records through rigorous verification and management procedures that incorporate information from program national systems, state master facility records, and data collected from EPA's Central Data Exchange registrations and data management personnel. This list is made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Nov 2, 2020

Toxics Release Inventory (TRI) Program: TRIS

The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U. S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment. One of TRI's primary purposes is to inform communities about toxic chemical releases to the environment.

Government Publication Date: Aug 24, 2021

Perfluorinated Alkyl Substances (PFAS) Releases: PFAS TRI

List of Toxics Release Inventory (TRI) facilities at which the reported chemical is a Per- or polyfluorinated alkyl substance (PFAS) included in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances. The EPA's Toxics Release Inventory (TRI) is a database containing data on disposal or other releases of over 650 toxic chemicals from thousands of U.S. facilities and information about how facilities manage those chemicals through recycling, energy recovery, and treatment.

Government Publication Date: Aug 24, 2021

PFOA/PFOS Contaminated Sites: PFAS NPL

List of sites where PFOA or PFOS contaminants have been found in drinking water or soil. Made available by the Federal Environmental Protection Agency (EPA).

Government Publication Date: Sep 17, 2021

Perfluorinated Alkyl Substances (PFAS) Water Quality: PFAS WATER

The Water Quality Portal (WQP) is a cooperative service sponsored by the United States Geological Survey (USGS), the Environmental Protection Agency (EPA), and the National Water Quality Monitoring Council (NWQMC). This listing includes records from the Water Quality Portal where the characteristic (environmental measurement) is in the Environmental Protection Agency (EPA)'s consolidated PFAS Master List of PFAS Substances.

Government Publication Date: Jul 20, 2020

SSEHRI PFAS Contamination Sites: PFAS SSEHRI

This PFAS Contamination Site Tracker database is compiled by the Social Science Environmental Health Research Institute (SSEHRI) at Northeastern University. According to the SSEHRI, the database records qualitative and quantitative data from each known site of PFAS contamination, including timeline of discovery, sources, levels, health impacts, community response, and government response. The goal of this database is to compile information and support public understanding of the rapidly unfolding issue of PFAS contamination. All data presented was extracted from government websites, news articles, or publicly available documents, and this is cited in the tracker. Disclaimer: The source conveys this database undergoes regular updates as new information becomes available, some sites may be missing and/or contain information that is incorrect or outdated, as well as their information represents all contamination sites SSEHRI is aware of, not all possible contamination sites. This data is not intended to be used for legal purposes. Limited location details are available with this data. Access the following for the most current informations https://pfasproject.com/pfas-contamination-site-tr acker/

Government Publication Date: Dec 12, 2019

Hazardous Materials Information Reporting System: HMIRS

US DOT - Department of Transportation Pipeline and Hazardous Materials Safety Administration (PHMSA) Incidents Reports Database taken from Hazmat Intelligence Portal, U.S. Department of Transportation.

Government Publication Date: Sep 1, 2020

National Clandestine Drug Labs: NCDL

The U.S. Department of Justice ("the Department") provides this data as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy.

Government Publication Date: Oct 5, 2020

Toxic Substances Control Act: TSCA

The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The CDR enables EPA to collect and publish information on the manufacturing, processing, and use of commercial chemical substances and mixtures (referred to hereafter as chemical substances) on the TSCA Chemical Substance Inventory (TSCA Inventory). This includes current information on chemical substance production volumes, manufacturing sites, and how the chemical substances are used. This information helps the Agency determine whether people or the environment are potentially exposed to reported chemical substances. EPA publishes submitted CDR data that is not Confidential Business Information (CBI).
Government Publication Date: Apr 11, 2019

Hist TSCA: HIST TSCA
The Environmental Protection Agency (EPA) is amending the Toxic Substances Control Act (TSCA) section 8(a) Inventory Update Reporting (IUR) rule and changing its name to the Chemical Data Reporting (CDR) rule.
The 2006 IUR data summary report includes information about chemicals manufactured or imported in quantities of 25,000 pounds or more at a single site during calendar year 2005. In addition to the basic manufacturing information collected in previous reporting cycles, the 2006 cycle is the first time EPA collected information to characterize exposure during manufacturing, processing and use of organic chemicals. The 2006 cycle also is the first time manufacturers of inorganic chemicals were required to report basic manufacturing information.
Government Publication Date: Dec 31, 2006

FTTS Administrative Case Listing: FTTS ADMIN
An administrative case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

FTTS Inspection Case Listing: FTTS INSP
An inspection case listing from the Federal Insecticide, Fungicide, & Rodenticide Act (FIFRA) and Toxic Substances Control Act (TSCA), together known as FTTS. This database was obtained from the Environmental Protection Agency's (EPA) National Compliance Database (NCDB). The FTTS and NCDB was shut down in 2006.
Government Publication Date: Jan 19, 2007

Potentially Responsible Parties List: PRP
Early in the cleanup process, the Environmental Protection Agency (EPA) conducts a search to find the potentially responsible parties (PRPs). EPA looks for evidence to determine liability by matching wastes found at the site with parties that may have contributed wastes to the site.
Government Publication Date: Oct 20, 2021

State Coalition for Remediation of Drycleaners Listing: SCRD DRYCLEANER
The State Coalition for Remediation of Drycleaners (SCRD) was established in 1998, with support from the U.S. Environmental Protection Agency (EPA) Office of Superfund Remediation and Technology Innovation. Coalition members are states with mandated programs and funding for drycleaner site remediation. Current members are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.
Government Publication Date: Nov 08, 2017

Integrated Compliance Information System (ICIS): ICIS
The Integrated Compliance Information System (ICIS) is a system that provides information for the Federal Enforcement and Compliance (FE&C) and the National Pollutant Discharge Elimination System (NPDES) programs. The FE&C component supports the Environmental Protection Agency's (EPA) Civil Enforcement and Compliance program activities. These activities include Compliance Assistance, Compliance Monitoring and Enforcement. The NPDES program supports tracking of NPDES permits, limits, discharge monitoring data and other program reports.
Government Publication Date: Jun 14, 2021

Drycleaner Facilities: FED DRYCLEANERS
A list of drycleaner facilities from Enforcement and Compliance History Online (ECHO) online search. The Environmental Protection Agency (EPA) tracks facilities that possess NAIC and SIC codes that classify businesses as drycleaner establishments.
Government Publication Date: May 5, 2021

Delisted Drycleaner Facilities: DELISTED FED DRY
List of sites removed from the list of Drycleaner Facilities (sites in the EPA's Integrated Compliance Information System (ICIS) with NAIC or SIC codes identifying the business as a drycleaner establishment).
Government Publication Date: May 5, 2021

Formerly Used Defense Sites: FUDS

Formerly Used Defense Sites (FUDS) are properties that were formerly owned by, leased to, or otherwise possessed by and under the jurisdiction of the Secretary of Defense prior to October 1986, where the Department of Defense (DoD) is responsible for an environmental restoration. This list is published by the U.S. Army Corps of Engineers.

Government Publication Date: May 26, 2021

Former Military Nike Missile Sites: FORMER NIKE

This information was taken from report DRXTH-AS-IA-83A016 (Historical Overview of the Nike Missile System, 12/1984) which was performed by Environmental Science and Engineering, Inc. for the U.S. Army Toxic and Hazardous Materials Agency Assessment Division. The Nike system was deployed between 1954 and the mid-1970's. Among the substances used or stored on Nike sites were liquid missile fuel (JP-4); starter fluids (UDKH, aniline, and furfuryl alcohol); oxidizer (IRFNA); hydrocarbons (motor oil, hydraulic fluid, diesel fuel, gasoline, heating oil); solvents (carbon tetrachloride, trichloroethylene, trichloroethane, stoddard solvent); and battery electrolyte. The quantities of material a disposed of and procedures for disposal are not documented in published reports. Virtually all information concerning the potential for contamination at Nike sites is confined to personnel who were assigned to Nike sites. During deactivation most hardware was shipped to depot-level supply points. There were reportedly instances where excess materials were disposed of on or near the site itself at closure. There was reportedly no routine site decontamination.

Government Publication Date: Dec 2, 1984

PHMSA Pipeline Safety Flagged Incidents: PIPELINE INCIDENT

A list of flagged pipeline incidents made available by the U.S. Department of Transportation (US DOT) Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA regulations require incident and accident reports for five different pipeline system types.

Government Publication Date: Jul 7, 2020

Material Licensing Tracking System (MLTS): MLTS

A list of sites that store radioactive material subject to the Nuclear Regulatory Commission (NRC) licensing requirements. This list is maintained by the NRC. As of September 2016, the NRC no longer releases location information for sites. Site locations were last received in July 2016.

Government Publication Date: May 11, 2021

Historic Material Licensing Tracking System (MLTS) sites: HIST MLTS

A historic list of sites that have inactive licenses and/or removed from the Material Licensing Tracking System (MLTS). In some cases, a site is removed from the MLTS when the state becomes an "Agreement State". An Agreement State is a State that has signed an agreement with the Nuclear Regulatory Commission (NRC) authorizing the State to regulate certain uses of radioactive materials within the State.

Government Publication Date: Jan 31, 2010

Mines Master Index File: MINES

The Master Index File (MIF) contains mine identification numbers issued by the Department of Labor Mine Safety and Health Administration (MSHA) for mines active or opened since 1971. Note that addresses may or may not correspond with the physical location of the mine itself.

Government Publication Date: Nov 2, 2021

Surface Mining Control and Reclamation Act Sites: SMCRA

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by the Office of Surface Mining Reclamation and Enforcement (OSMRE) to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of Abandoned Mine Land (AML) impacts, as well as information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Government Publication Date: Dec 18, 2020

Mineral Resource Data System: MRDS

The Mineral Resource Data System (MRDS) is a collection of reports describing metallic and nonmetallic mineral resources throughout the world. Included are deposit name, location, commodity, deposit description, geologic characteristics, production, reserves, resources, and references. This database contains the records previously provided in the Mineral Resource Data System (MRDS) of USGS and the Mineral Availability System/Mineral Industry Locator System (MAS/MILS) originated in the U.S. Bureau of Mines, which is now part of USGS. The USGS has ceased systematic updates of the MRDS database with their focus more recently on deposits of critical minerals while providing a well-documented baseline of historical mine locations from USGS topographic maps.

Government Publication Date: Mar 15, 2006

Uranium Mill Tailings Radiation Control Act Sites: URANIUM

The Legacy Management Office of the Department of Energy (DOE) manages radioactive and chemical waste, environmental contamination, and hazardous material at over 100 sites across the U.S. The L.M. Office manages this database of sites registered under the Uranium Mill Tailings Control Act (UMTRCA).

Government Publication Date: Mar 4, 2017

Alternative Fueling Stations: ALT FUELS

List of alternative fueling stations made available by the US Department of Energy's Office of Energy Efficiency & Renewable Energy. Includes Biodiesel stations, Ethanol (E85) stations, Liquefied Petroleum Gas (Propane) stations, Ethanol (E85) stations, Natural Gas stations, Hydrogen stations, and Electric Vehicle Supply Equipment (EVSE). The National Renewable Energy Laboratory (NREL) obtains information about new stations from trade media, Clean Cities coordinators, a Submit New Station form on the Station Locator website, and through collaborating with infrastructure equipment and fuel providers, original equipment manufacturers (OEMs), and industry groups.

Government Publication Date: Oct 25, 2021

Registered Pesticide Establishments: SSTS

List of active EPA-registered foreign and domestic pesticide-producing and device-producing establishments based on data from the Section Seven Tracking System (SSTS). The Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) Section 7 requires that facilities producing pesticides, active ingredients, or devices be registered. The list of establishments is made available by the EPA.

Government Publication Date: Apr 13, 2021

Polychlorinated Biphenyl (PCB) Notifiers: PCB

Facilities included in the national list of facilities that have notified the United States Environmental Protection Agency (EPA) of Polychlorinated Biphenyl (PCB) activities. Any company or person storing, transporting or disposing of PCBs or conducting PCB research and development must notify the EPA and receive an identification number.

Government Publication Date: Nov 19, 2020

State

Dry Cleaning Facilities: DRYCLEANERS

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial, linen supply, commercial laundry, dry cleaning and pressing machines - Coin Operated Laundry and Dry Cleaning. This is provided by the Department of Toxic Substance Control.

Government Publication Date: Aug 27, 2021

Delisted Drycleaners: DELISTED DRYCLEANERS

Sites removed from the list of drycleaner related facilities that have EPA ID numbers, made available by the California Department of Toxic Substance Control.

Government Publication Date: Aug 27, 2021

Non-Toxic Dry Cleaning Incentive Program: DRYC GRANT

A list of grant recipients of the Non-Toxic Dry Cleaning Incentive Program made available by the California Air Resources Board (CARB). The program provides grants to eligible dry cleaning businesses to assist them in transitioning away from PERC machines to alternative non-toxic and non-smog forming technologies.

Government Publication Date: Feb 28, 2018

Per- and Polyfluoroalkyl Substances (PFAS): PFAS

List of sites from the State Water Resources Control Board (SWRCB)'s GeoTracker at which one or more of the potential contaminants of concern are in the PFAS Master List of PFAS Substances made available by the Environmental Protection Agency (US EPA).

Government Publication Date: Jun 22, 2021

PFOA/PFOS Groundwater: PFAS GW

A list of water wells from the Groundwater Ambient Monitoring and Assessment Program (GAMA) Groundwater Information System with the groundwater chemical perfluorooctanoic acid (PFOA) (NL = 0.014 UG/L) or perfluorooctanoic sulfonate (PFOS) (NL = 0.013 UG/L). The GAMA Groundwater Information System search is made available by California Water Boards.

Government Publication Date: Oct 22, 2020

Hazardous Waste and Substances Site List - Site Cleanup: HWSS CLEANUP

The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements in providing information about the location of hazardous materials release sites. This list is published by California Department of Toxic Substance Control.

Government Publication Date: May 20, 2021

List of Hazardous Waste Facilities Subject to Corrective Action: DTSC HWF

This is a list of hazardous waste facilities identified in Health and Safety Code (HSC) § 25187.5. These facilities are those where Department of Toxic Substances Control (DTSC) has taken or contracted for corrective action because a facility owner/operator has failed to comply with a date for taking corrective action in an order issued under HSC § 25187, or because DTSC determined that immediate corrective action was necessary to abate an imminent or substantial endangerment.

Government Publication Date: Jul 18, 2016

EnviroStor Inspection, Compliance, and Enforcement: INSP COMP ENF

A list of permitted facilities with inspections and enforcements tracked in the Department of Toxic Substance Control (DTSC) EnviroStor.

Government Publication Date: Apr 29, 2021

School Property Evaluation Program Sites: SCH

A list of sites registered with The Department of Toxic Substances Control (DTSC) School Property Evaluation and Cleanup (SPEC) Division. SPEC is responsible for assessing, investigating and cleaning up proposed school sites. The Division ensures that selected properties are free of contamination or, if the properties were previously contaminated, that they have been cleaned up to a level that protects the students and staff who will occupy the new school.

Government Publication Date: Sep 15, 2021

California Hazardous Material Incident Report System (CHMIRS): CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS). This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Aug 1, 2021

Historical California Hazardous Material Incident Report System (CHMIRS): HIST CHMIRS

A list of reported hazardous material incidents, spills, and releases from the California Hazardous Material Incident Report System (CHMIRS) prior to 1993. This list has been made available by the California Office of Emergency Services (OES).

Government Publication Date: Jan 1, 1993

Hazardous Waste Manifest Data: HAZNET

A list of hazardous waste manifests received each year by Department of Toxic Substances Control (DTSC). The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Oct 24, 2016

Historical Hazardous Waste Manifest Data: HIST MANIFEST

A list of historic hazardous waste manifests received by the Department of Toxic Substances Control (DTSC) from year the 1980 to 1992. The volume of manifests is typically 900,000 - 1,000,000 annually, representing approximately 450,000 - 500,000 shipments.

Government Publication Date: Dec 31, 1992

DTSC Registered Hazardous Waste Transporters: HW TRANSPORT

The California Department of Toxic Substances Control (DTSC) maintains this list of Registered Hazardous Waste Transporters.

Government Publication Date: Oct 19, 2020

Registered Waste Tire Haulers: WASTE TIRE

This list of registered waste tire haulers is maintained by the California Department of Resources Recycling and Recovery.

Government Publication Date: Dec 16, 2020

California Medical Waste Management Program Facility List: MEDICAL WASTE

This list of Medical Waste Management Program Facilities is maintained by the California Department of Public Health. The Medical Waste Management Program (MWMP) regulates the generation, handling, storage, treatment, and disposal of medical waste by providing oversight for the implementation of the Medical Waste Management Act (MWMA). The MWMP permits and inspects all medical waste off-site treatment facilities, medical waste transporters, and medical waste transfer stations. This list contains transporters, treatment, and transfer facilities.

Government Publication Date: Dec 31, 2020

Historical Cortese List: HIST CORTESE

List of sites which were once included on the Cortese list. The Hazardous Waste and Substances Sites (Cortese) List is a planning document used by the State, local agencies and developers to comply with the California Environmental Quality Act requirements for providing information about the location of hazardous sites.

Government Publication Date: Nov 13, 2008

Cease and Desist Orders and Cleanup and Abatement Orders: CDO/CAO

The California Environment Protection Agency "Cortese List" of active Cease and Desist Orders (CDO) and Cleanup and Abatement Orders (CAO). This list contains many CDOs and CAOs that do NOT concern the discharge of wastes that are hazardous materials. Many of the listed orders concern, as examples, discharges of domestic sewage, food processing wastes, or sediment that do not contain hazardous materials, but the Water Boards' database does not distinguish between these types of orders.

Government Publication Date: Dec 6, 2021

California Environmental Reporting System (CERS) Hazardous Waste Sites: CERS HAZ

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator. The CalEPA oversees the statewide implementation of the Unified Program which applies regulatory standards to protect Californians from hazardous waste and materials.

Government Publication Date: Sep 24, 2021

Delisted Environmental Reporting System (CERS) Hazardous Waste Sites: DELISTED HAZ

This database contains a list of sites that were removed from the California Environmental Protection Agency (CalEPA) in the following regulatory programs: Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, RCRA LQ HW Generator.

Government Publication Date: Nov 29, 2018

Sites in GeoTracker: GEOTRACKER

GeoTracker is the State Water Resource Control Boards' data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater. This is a list of sites in GeoTracker that aren't otherwise categorized as LUST, Land Disposal Sites (LDS), Cleanup Sites, or sites having Waste Discharge Requirements (WDR). This listing includes program types such as Underground Injection Control (UIC), Confined Animal Facilities (CAF), Irrigated Lands Regulatory Program, plans, and non-case information.

Government Publication Date: Jun 22, 2021

Mines Listing: MINE

This list includes mine site locations extracted from the Mines Online database, maintained by the California Department of Conservation. Mines Online (MOL) is an interactive web map designed with GIS features that provide information such as the mine name, mine status, commodity sold, location, and other mine specific data. Please note: Mine location information is provided to assist experts in determining the location of mine operators in accordance with California Civil Code section 1103.4 and reflects information reported by mine operators in annual reports provided under Public Resources Code section 2207. While the Division of Mine Reclamation (DMR) attempts to populate MOL with accurate location information, the DMR cannot guarantee the accuracy of operator reported location information.

Government Publication Date: Jan 12, 2021

Recorded Environmental Cleanup Liens: LIEN

The California Department of Toxic Substance Control (DTSC) maintains this list of liens placed upon real properties. A lien is utilized by the DTSC to obtain reimbursement from responsible parties for costs associated with the remediation of contaminated properties.

Government Publication Date: Dec 15, 2021

Waste Discharge Requirements: WASTE DISCHG

List of sites in California State Water Resources Control Board (SWRCB) Waste Discharge Requirements (WDRs) Program in California, made available by the SWRCB via GeoTracker. The WDR program regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Government Publication Date: Oct 20, 2021

Toxic Pollutant Emissions Facilities: EMISSIONS

A list of criteria and toxic pollutant emissions data for facilities in California made available by the California Environmental Protection Agency - Air Resources Board (ARB). Risk data may be based on previous inventory submittals. The toxics data are submitted to the ARB by the local air districts as requirement of the Air Toxics "Hot Spots" Program. This program requires emission inventory updates every four years.

Government Publication Date: Dec 31, 2019

Clandestine Drug Lab Sites: CDL

The Department of Toxic Substances Control (DTSC) maintains a listing of drug lab sites. DTSC is responsible for removal and disposal of hazardous substances discovered by law enforcement officials while investigating illegal/clandestine drug laboratories.

Government Publication Date: Jan 19, 2021

Tribal

No Tribal additional environmental record sources available for this State.

County

Riverside County - Hazardous Waste Generator Sites List: HWG RIVERSIDE

A list of Hazardous Waste Generator Sites in the County of Riverside. This list is made available by Riverside County Department of Environmental Health which has been designated as the CUPA for the County.

Government Publication Date: Jul 22, 2021

Riverside County - Disclosure Facility List: HZH RIVERSIDE

A list of facilities disclosed to Riverside County Department of Environmental Health (DEH). This list is made available by Riverside County DEH which has been designated as the CUPA for the County. A business is required to establish and submit a Business Plan if the facility handles hazardous material equal to or greater than 55 gallons, 500 pounds or 200 cubic feet at any time during the year.

Government Publication Date: Jul 22, 2021

Riverside County - Medical Waste Facilities: MED WST RIVERSIDE

This list of active and inactive medical waste facilities is maintained by the County of Riverside Department of Environmental Health.

Government Publication Date: Sep 1, 2020

Riverside County - California Accidental Release Prevention Program Sites: RMP RIVERSIDE

This list of Riverside County California Accidental Release Prevention Program sites is maintained by the County of Riverside Department of Environmental Health. AB 3777 was enacted in 1986 to minimize potential emergencies involving acutely hazardous materials by requiring facilities which handle these materials to submit Risk Management Prevention Plans. The Riverside County Department of Environmental Health Hazardous Materials Branch began implementation of this Program County-wide in January 1991. All cities within Riverside County are included in this list.

Government Publication Date: Jul 29, 2020

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX C
REGULATORY AGENCY RECORDS

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

KEITH JONES, DIRECTOR

February 8, 2022

Riverside County Hazardous Materials has reopened to limited in-person services. We will be implementing the best practices to serve our customers in person while preventing the transmission and spread of COVID-19.

Due to the ongoing COVID-19 national state of emergency, and Orders by the Riverside County Health Officer, the Riverside County Department of Environmental Health has continued to request that our employees work remotely to support you.

Records Request services will continue to be available but please be patient with us and understand that staff is limited.

Responses will be provided **temporarily via email** and will resume to respond via US Mail once the pandemic has rectified.

During this time records will be provided in five different ways after fees are paid.

1) In office appointments for viewing of larger files only
2) Email – Only small files **no larger than ¼ inch qualify**
3) US Mail – files that are appropriately sized for mailing will qualify – **Additional Copy and Reproduction Fees will apply**
4) USPS / FedEx – larger files that are unable to be mailed via US Mail will be shipped at the requestor's expense – **Additional Copy and Reproduction Fees will apply**
5) Pick Up – By appointment only – **Additional Copy and Reproduction Fees will apply**

For questions please call (951) 358-5055 or visit our website for information www.rivcoeh.org

Environmental Protection & Oversight Division
Hazardous Materials Management Branch
Attn: Records Management
P.O. Box 7909
Riverside, CA 92513-7909
Ph: (951) 358-5055
Fax (951) 358-5342

*additional fees may include costs for appt. cancellation/no show, time per service, scan/fax/mail of documents, cd/dvd

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

KEITH JONES, DIRECTOR

RELEASE OF RECORDS RESPONSE

February 8, 2022

Service Request No: 52845

Weis Environmental, LLC
1938 Kellogg Ave.
Suite 116
Carlsbad, CA 92008
Attn: Samantha Weis

Your request concerning **Hazardous Materials Management Records** has been received and a file search has been conducted. The appropriate action has been taken.

Site Address	City	Records Found
657 Harley Knox Blvd.	**Perris**	☐ **YES** ☒ **NO**
THIS IS NOT AN INVOICE	**Estimated Cost**	**$0.00**

If no records are found, no further action will be taken.

If records are found, please contact our office at (951) 358-5055 to schedule a file review appointment. Records will be available for 30 days from the date of this letter, after which a new Records Request will need to be submitted.

** There is a clerical records research fee of **$.50 for the first page, plus $.10 per additional page **Records will not be made available until this fee is paid****

Other fees may apply

Note: Additional time for processing may be required

Appointments are scheduled in one (1) hour increments, not to exceed two (2) hours.

Environmental Protection & Oversight Division
Hazardous Materials Management Branch
Attn: Records Management
P.O. Box 7909
Riverside, CA 92513-7909
Ph: (951) 358-5055
Fax (951) 358-5342

*additional fees may include costs for appt. cancellation/no show, time per service, scan/fax/mail of documents, cd/dvd

4065 County Circle Drive, Room 104, Riverside CA 92503
(951) 358-5055
Fax (951) 358-5342
Mailing Address: P.O. Box 7909, Riverside, CA 92513-7909
www.rivcoeh.org

Gmail Samantha Weis <sw@weisenviro.com>

Public Records Request/Waterboard/657 Harley Knox Boulevard and APN 302-020-043, Perris, CA 92571

WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov> Thu, Nov 4, 2021 at 12:19 PM
To: Samantha Weis <sw@weisenviro.com>

Good afternoon,

After careful review of our records, we show we have no files for the following site(s):

657 Harley Knox Boulevard Perris, CA 92571

Unfortunately, we do not use APN numbers or cross streets to maintain our files. We only use facility names and/or physical address numbers to locate files. If you can provide a numerical address or facility name, we can carry out your request.

If we can be of further assistance, please do not hesitate to contact us again.

Thank you,

File Review Desk

3737 Main St. Suite 500

Riverside, CA 92501

From: Samantha Weis <sw@weisenviro.com>
Sent: Monday, November 1, 2021 12:06 PM
To: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Subject: Public Records Request/Waterboard/657 Harley Knox Boulevard and APN 302-020-043, Perris, CA 92571

EXTERNAL:

[Quoted text hidden]

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Director
5796 Corporate Avenue
Cypress, California 90630

Gavin Newsom
Governor

November 3, 2021

Samantha Weis
WEIS ENVIRONMENTAL
sw@weisenviro.com

PR4-110121-15
657 HARLEY KNOX BLVD., PERRIS, CA 302-020-043

Dear Requestor:

We have received your Public Records Act Request from the Department of Toxic Substances Control (DTSC). After a thorough review of our files, no site records were found pertaining to the sites/facilities referenced above.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSCs Data Management System. It tracks our cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me at 714-4845337 or via email at CypressFileRoom@dtsc.ca.gov.

Sincerely,

Julie Johnson
Julie Johnson
Regional Records Coordinator

Department of Toxic Substances Control

Jared Blumenfeld
Secretary for
Environmental Protection

Meredith Williams, Ph.D.
Director
5796 Corporate Avenue
Cypress, California 90630

Gavin Newsom
Governor

November 23, 2021

Samantha Weis
Weis Environmental
sw@weisenviro.com

PR4-111921-07
APNs 302-020-028, 038, 013 PERRIS, CA

Dear Requestor:

We have received your Public Records Act Request from the Department of Toxic Substances Control (DTSC). After a thorough review of our files, no site records were found pertaining to the sites/facilities referenced above.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSCs Data Management System. It tracks our cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me at 714-4845337 or via email at CypressFileRoom@dtsc.ca.gov.

Sincerely,

Julie Johnson
Julie Johnson
Regional Records Coordinator

Gmail Samantha Weis <sw@weisenviro.com>

Public Records Request- APNs 302-020-028, 302-020-038, and 302-020-013, Perris, CA 92571

3 messages

Samantha Weis <sw@weisenviro.com> Fri, Nov 19, 2021 at 3:22 PM
To: cityclerk@cityofperris.org

Hello Public Records Team,

Please find the attached public records request for the property referenced in the subject line- APNs 302-020-028, 302-020-038, and 302-020-013, Perris, CA 92571.

Thank you.

Best regards,

Samantha Weis
President
Weis Environmental LLC
1938 Kellogg Avenue, Suite 116
Carlsbad, CA 92008
sw@weisenviro.com
760.585.7070 (Office)
760.672.6339 (Mobile)

City of Perris -PRR Form - APNs 302-020-028, -038, and -013.pdf
382K

Joan Arriola <JArriola@cityofperris.org> Fri, Nov 19, 2021 at 3:47 PM
To: Samantha Weis <sw@weisenviro.com>
Cc: Judy Haughney <JHaughney@cityofperris.org>, Saida Amozgar <SAmozgar@cityofperris.org>

Good afternoon,

The City of Perris has received your public records request. We are processing your request and will respond to you as soon as possible. Please let me know if you have any questions or need anything else. Thank you.

Best Regards,

Joan Sarmiento – Arriola

Administrative Technician II

City of Perris

101 North “D” Street, Perris, CA 92570

Tel # (951)943-6100 ext. 250

Email: JArriola@cityofperris.org

[Quoted text hidden]

Joan Arriola <JArriola@cityofperris.org> Fri, Nov 19, 2021 at 5:23 PM
To: Samantha Weis <sw@weisenviro.com>
Cc: Judy Haughney <JHaughney@cityofperris.org>, Saida Amozgar <SAmozgar@cityofperris.org>

Hi,

Please find information below from our Planning Department. Please let me know if you have any questions or need anything else. Thank you.

Reply from Planning Department:

“All of these parcels are vacant and show no record of any development in the past, therefore there would be no building department records or fire department permits for these sites.”

Best Regards,

Joan Sarmiento – Arriola

Administrative Technician II

City of Perris

101 North “D” Street, Perris, CA 92570

Tel # (951)943-6100 ext. 250

Email: JArriola@cityofperris.org

[Quoted text hidden]

No. 01808

City of Perris

Permit #: 94-00440
MINOR STRUCTURAL PERMIT

170-B WILKERSON AVENUE, PERRIS, CALIFORNIA 92570-2200 • (909) 943-5003 • FAX (909) 943-3293

Job Address: 657 W OLEANDER AV
Location: 657 OLEANDER AVE
Parcel No: 306-513-001
*Lot: 32 Blk: TR 19223-3

Status: ISSUED
Issued: 06/01/1994
Expires: 11/28/1994

APPLICANT LEE BINH S
6123 LOMA AVE, TEMPLE CITY CA 91780
Phone: 818/960-0202

OWNER TANI KENO UTOMO & TSAN PAUL
1421 VERGINIA AVE 1, BALDWIN PARK C 91706
Phone: 818/960-2202

Description:
20X40 STORAGE SHED

Valuation: 13,984.00

**********FEE SUMMARY**********

Total Calculated Fee:	263.84
Additional Fees:	80.00
Total Permit Fee:	343.84
Payments:	343.84
Balance Due:	.00

****

FINALED
BY 6-28-94

This permit becomes null and void if work or construction is not commenced within 180 days, or if construction or work is suspended or abandoned for a period of 180 days at anytime after work is commenced. I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the provisions of any other state or local law regulating construction or the performance of construction.

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chaper 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class _____ Lic. No. _____ Date / /

Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code. Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than five hundred dollars ($500):

☑ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code. The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, am exclusively contracting with licensed contractors to construct the project (Sec. 7044 Business and Professions Code. The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) licenses pursuant to the Contractors License Law.).

☐ I am exempt under Section _____ B.& P.C. for this reason _____

Date 6/6/94 Owner Signature Binh S. Lee

WORKERS' COMPENSATION DECLARATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Workers' Compensation Insurance, or a certified copy thereof (Sec. 3800, Lab. C.).

Policy No. _____ Company _____

☐ Certified copy is hereby furnished. Expires _____

☐ Certified copy is filed with the Department of Building & Housing.

Date / / Applicant Signature _____

CERTIFICATE OF EXEMPTION FROM WORKERS' COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less.)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California.

Date / / Applicant Signature _____

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Workers' Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ. C.).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the information contained herein is correct. I agree to comply with all City ordinances and State laws relating to building construction, and hereby authorize representatives of this City to enter upon the above-mentioned property for inspection purposes.

_____
Signature of Applicant or Agent Date

HAZARDOUS MATERIAL DECLARATION

☐ YES ☑ NO WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE A HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL TO OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS INFORMATION GUIDE?

☐ YES ☑ NO WILL THE INTENDED USE OF THE BUILDING BY THE APPLICANT OR FUTURE BUILDING OCCUPANT REQUIRE A PERMIT FOR CONSTRUCTION OR MODIFICATION FROM THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)? SEE PERMITTING CHECKLIST FOR GUIDELINES.

PRINT NAME BINH S. LEE

☐ YES ☑ NO WILL THE PROPOSED BUILDING OR MODIFIED FACILITY BE WITHIN 1000 FEET OF THE OUTER BOUNDRY OF A SCHOOL?

☑ YES ☐ NO I HAVE READ THE HAZARDOUS MATERIAL INFORMATION GUIDE AND THE SCAQMD PERMITTING CHECKLIST. I UNDERSTAND MY REQUIREMENTS UNDER THE STATE OF CALIFORNIA HEALTH & SAFETY CODE, SECTION 25505, 25533, AND 25534 CONCERNING HAZARDOUS MATERIALS REPORTING.

OWNER OR AUTHORIZED AGENT X Binh S. Lee

CITY OF PERRIS

PLAN CHECK APPLICATION
BUILDING DIVISION

DEPARTMENT OF
PLANNING AND
COMMUNITY DEVELOPMENT

170-B Williams Avenue
Perris, California 92570-2200
TEL: (909) 943-6003
FAX: (909) 943-3293

X JOB ADDRESS 657 OLEANDER AVE. PERRIS DATE 6-1-94

ASSESSOR'S PARCEL NUMBER 302-020-006

LEGAL DESCRIPTION _____

WORK DESCRIPTION STORAGE SHED 20' X 40'

OCCUPANCY _____ CONSTRUCTION TYPE _____ ZONE _____

X **PROPERTY OWNER**

NAME UTOMO TANI & PAUL TSAN KENO

ADDRESS 1421 VIRGINIA AVE. #I
BALDWIN PARK, CA. 91706

TELEPHONE (818) 960-0202

X **AUTHORIZED APPLICANT**

NAME BINH S. LEE

ADDRESS 6123 LOMA AVE.
TEMPLE CITY, CA. 91780

TELEPHONE (818) 960-0202 MESSAGE

TENANT

NAME _____

ADDRESS _____

TELEPHONE ( ) _____

CONTRACTOR

NAME OWNER/BUILDER

ADDRESS _____

TELEPHONE ( ) _____

CONTRACTOR LIC,TYPE# _____

BUSINESS LICENSE # _____

ARCHITECT/ENGINEER

NAME _____

ADDRESS _____

TELEPHONE ( ) _____

REG# _____

CHECKLIST

1. PLOT PLAN _____
2. ELEVATIONS _____
3. STRUCTURAL _____
   - A. FOOTINGS _____
   - B. FRAME _____
   - C. ROOF/TRUSS _____
- D. ENG. CALCS _____
- E. FLOOR PLAN _____
4. ENERGY CALCS _____
5. PLUMBING _____
   - A. GAS _____
   - B. WASTE _____
- C. WTR. DEMAND _____
6. MECHANICAL _____
7. ELECTRICAL _____
8. ROOF PLANS _____
9. FIRE SPRINKLER/ALARMS _____
10. LANDSCAPE _____

CS\FORMS\PCAPPL.BLN

APPLICATION FOR BUILDING PERMIT TO BUILD STORAGE SHED

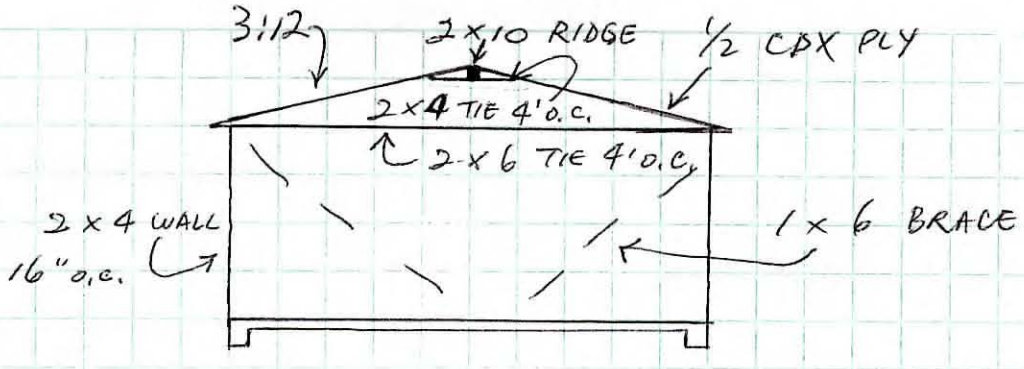
OWNER'S NAME = PAUL TSAN, UTOMO & KENO TANI

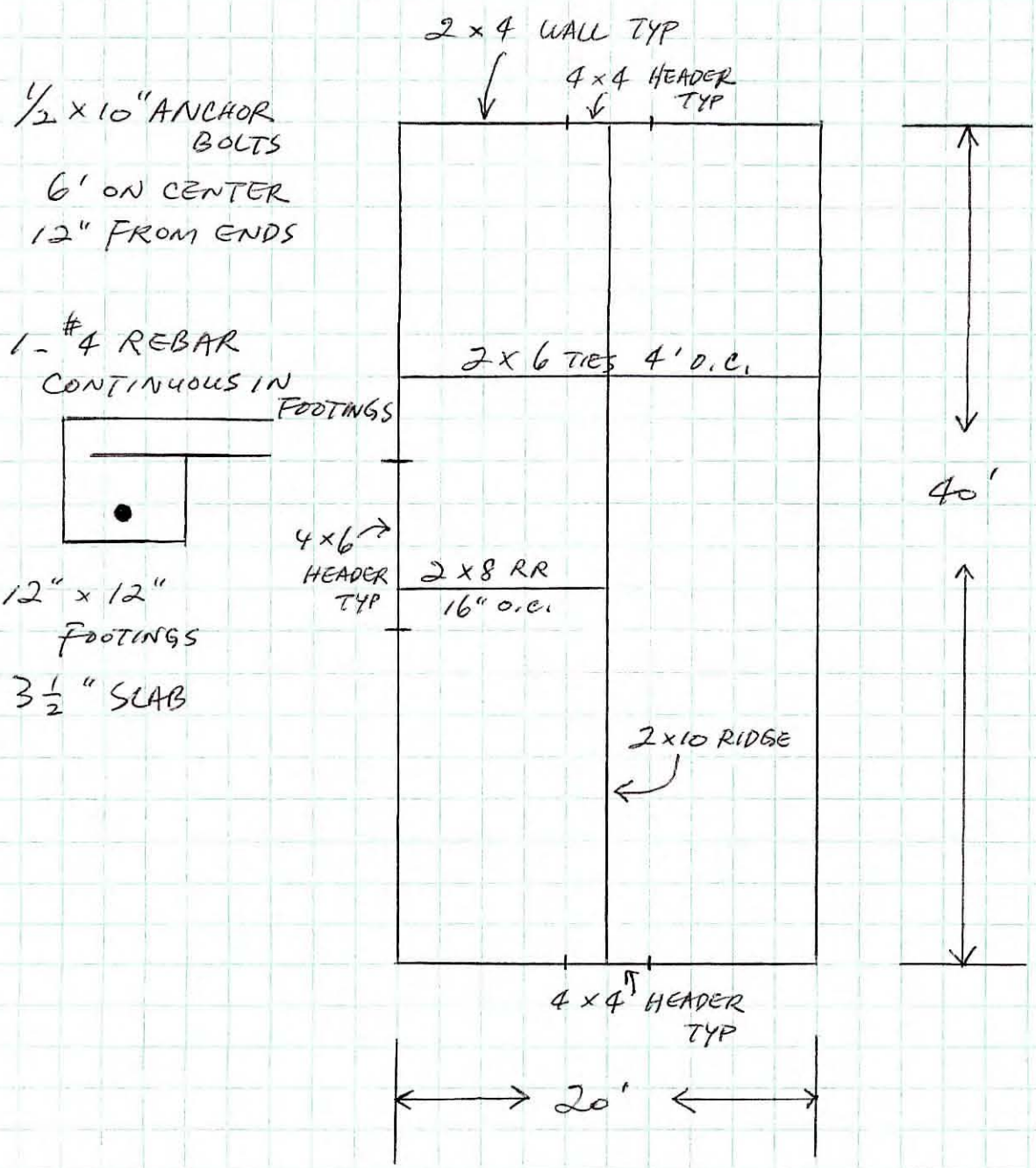
LESSEE'S NAME = BINH S. LEE

ADDRESS = 657 W. OLEANDER AVE.
PERRIS, CA. 92571

LEGAL DESCRIPTION = LOT 3, BLOCK 3 OF RIVERSIDE TRACT, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 14, PAGE 668 OF MAPS IN THE OFFICE OF COUNTY RECORDER OF SAN DIEGO COUNTY, CALIFORNIA.

STORAGE SHED

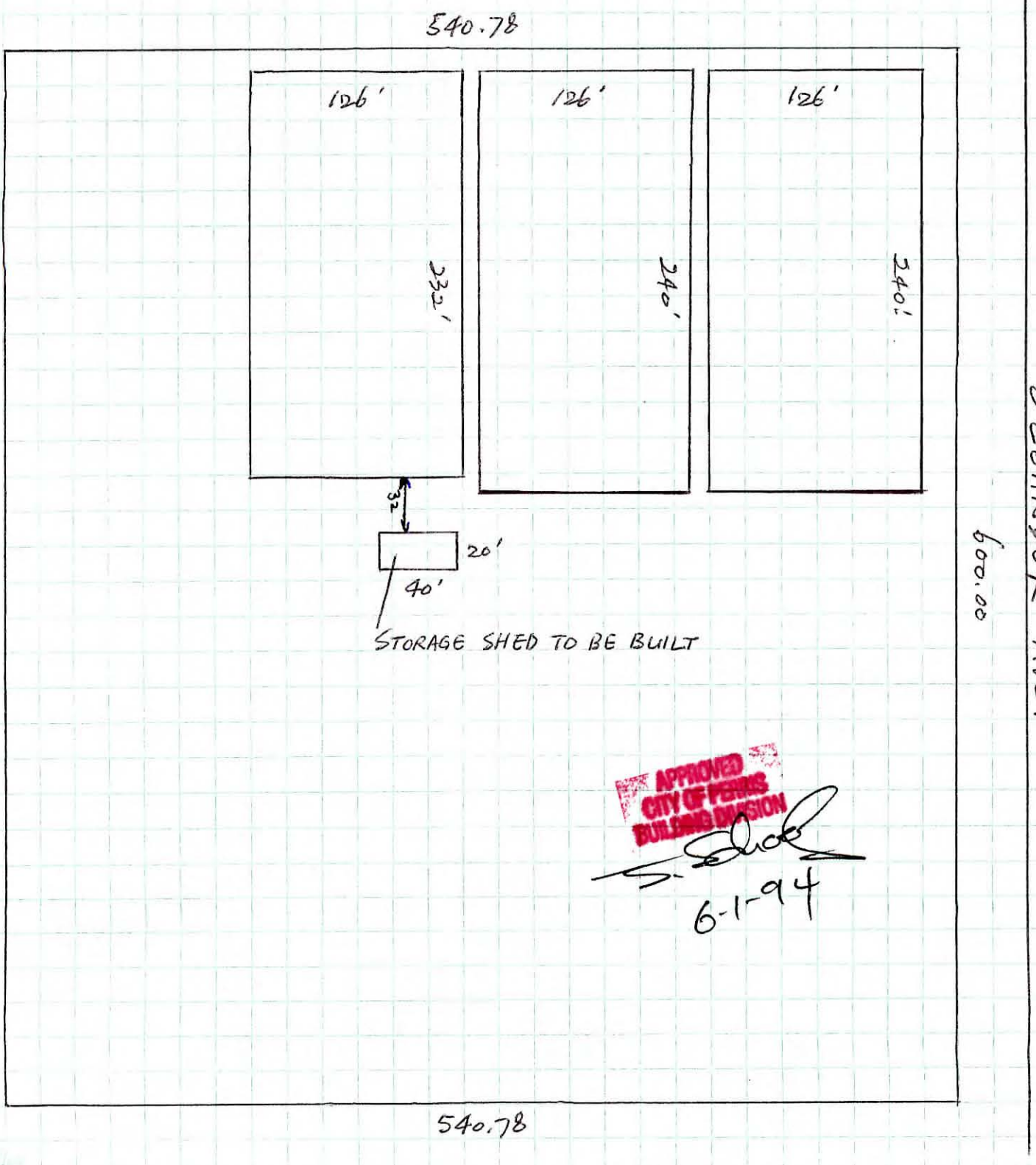




657 W. OLEANDER AVE.

Approved
6-1-94





APPROVED
CITY OF PERRIS
BUILDING DIVISION
6-1-94

CITY OF PERRIS

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

170-B WILKERSON AVENUE, PERRIS, CA 92570-2200
TEL: (909) 943-5003 FAX: (909) 943-3293

April 21, 1994

Riverside County Assessor
227 North 'D' Street
Perris CA 92570

Subject: Addressing for Parcel

Dear Sirs,

Recently permits were pulled to construct greenhouses on Assessor Parcel #302-020-006. Please attach the following address to the above mentioned parcel number: **657 W. Oleander Avenue.**

Please make the necessary changes to your files, if you have any questions please feel free to contact Charles Ray at (909) 943-5003.

Sincerely,

Olivia Gutierrez
Director Planning and
Community Development

Charles Ray
Building Division Manager

OG:CR:kw

c:

Police Dept	EMWD
Perris Disposal	SCE
Fire Dept	SCG
Public Works	GTE
City Clerk	RDA
Postmaster	
Finance/Water Dept	

ATTACHMENT

by Lessors, vegetations from these hot houses are the only source of income our Lessee's family depends on. Therefore, considering this is a difficult time for the overall economy, we gratefully request the acceptance of our correcting plan by the City of Perris. We would also appreciate if the City would recommend us for agricultural loans or loans for minorities since conventional loans from banks ate not available for very small growers. We are also grateful that the City is giving us opportunities to survive hard times.

Thank you very much for your understanding and assistance.

Yours sincerely,

Paul Tsan, Utomo and KENO Tani (owners)

Binh Lee

Binh Lee (lessee)

ATTACHMENT

we shall immediately remove buildings #4 and #3 without delay, which are the places we use to keep things, at the time being. A storage shed is needed greatly for storing tools, fertilizer, small equipment, and tractor for security purposes. The storage shed also serves as a shady shed for harvested vegetables so as to be kept away from sunshine before they are shipped to the markets.

3. As for buildings #2, #7, #8, which are hot houses to grow vegetables, AM Corp Development Inc. will be submitting the plans to the City Building Dept. for checking. We don't know how long this process would normally take, but AM Corp, believes that the whole work, including correcting constructions made to the hot houses is possible to be completed in approximately eight months.

4. While hot houses #2, #7, #8 are undergoing construction and corrections, there will not be normal growing and harvesting in those houses. We sincerely request the City of Perris to allow us to grow vegetations in hot houses #1 and #5 until the completion of houses #2, #7, #8. If it is affordable, we shall correct hot houses #1 and #5 as required by plans approved by the City, otherwise remove them as soon as the growing cycle is over.

During the remaining time of our lease, which is a three year lease which started June 1, 1992 with two year optional extension

Paul Tsan, Utomo and KENO Tani
1421 Virginia Ave. #I
Baldwin Park, CA. 91706

ATTACHMENT

Director of Planning
and Community Development
170 B Wilkerson Ave.
Perris, CA. 92570-2200

October 25, 1993

Re: AP# 302-020-006 West Oleander

Dear Sir,

In reply to your notice dated October 7, 1993, we, Utomo and KENO Tani, Paul Tsan and Binh Lee, as owners and Lessee of Assesor's Parcel #302-020-006 hereby present to you a schedule of subsequent steps to correct conditions on our property and request your approval, as folllows:

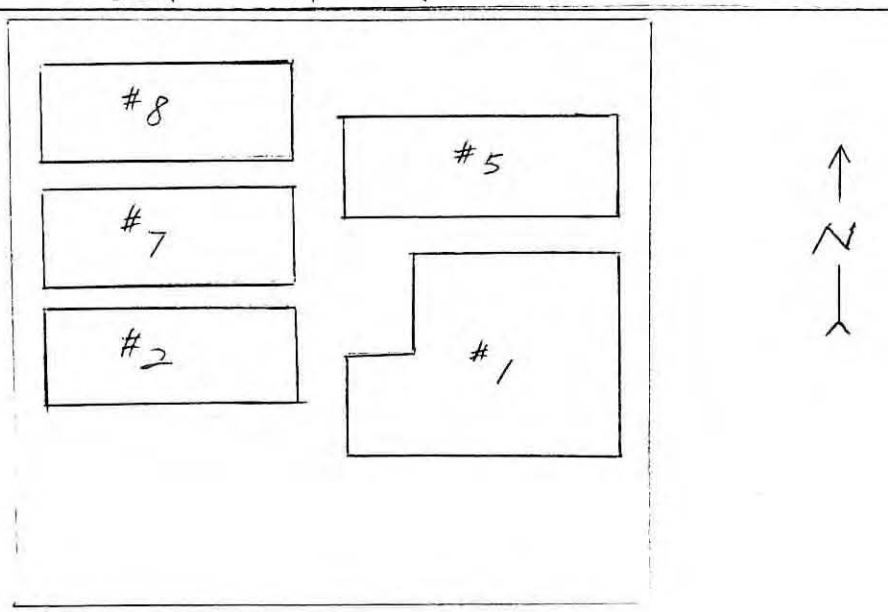
1. We shall, in one month time, remove buildings #9 and #11 and clean out debris in that area.

2. As we are progressing the #1 step, we will also be submitting an application for permission to build a storage shed approximately on the site where buildings #9 or #10 originally were. As soon as the permit is issued and the new shed is built,

PARCEL # 302-020-006

657 W. OLEANDER AVE.
PERRIS, CA. 92570

W. OLEANDER AVE.



are much better, in order to self-finance our needs on retrofitting construction costs for bldgs. #2,7,8,which include materials and labor estimated to be approximately $60.000.00. Knowing the situation, we did put in such a request (item 4) on our letter dated 10/25/93, a copy of which is attached.

We anxiously look forward to your approval. Thank you very much for your understanding and consideration.

Yours sincerely,

Binh Si Lee

657 W Oleander

COPY

Binh Si Lee
1421 Virginia Ave. #I
Baldwin Park, CA. 91706

Director of Planning
and Community Development
170 B Wilkerson Ave.
Perris, CA. 92570-2200

July 25, 1994

Re: AP# 302-020-006 West Oleander

Dear Sir,

As Lessee and Owner of the farm on 657 Oleander Ave. Perris, I, Binh Lee, hereby request the City's approval on the following situations:

1) I have acquired permits #94-00129, #94-00130, and #94-00131 to retrofit three vegetation hot houses, known as bldgs. 2,7,8 at the above address on parcel #302-020-006. (SKETCH ATTACHED) Due to summer weather, we tried hard but found out that it is extremely difficult and impossible to be able to progress with construction inside the hot houses under 120°-140° temperatures (usually it is 20°-30° more indoors than outdoors), therefore it is necessary to request the city's approval to extend the regular duration allowed by the permits to complete the project.

2) As for financing the project, we have failed to obtain bank loans or other farm loan sources. We need to request the city to allow us maintaining temporarily hot houses #1 & #5 on the above referenced parcel, so that we can have additional indoor growing spaces, especially in winter time when produce prices

CITY OF PERRIS

DEPARTMENT OF
Building and Safety
101 NORTH "D" STREET
PERRIS, CA 92570-1998
TEL: (714) 943-5003

CORRECTION NOTICE

94-00440
1800

ADDRESS: 659 W Olive

MAKE THE FOLLOWING CORRECTIONS THEN CALL FOR RE-INSPECTION:

1) Subject to be posted on water meter

Call for re-inspection

DATE: 4/22/94 M Eads

BUILDING INSPECTOR

TIME: 11:45

10/20/91

CITY OF PERRIS

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT

170-B WILKERSON AVENUE, PERRIS, CA 92570-2200
TEL: (909) 943-5003 FAX: (909) 943-3293

January 18, 1995

PROPERTY OWNER
657 W OLEANDER AV
PERRIS CA 92570

RE: 657 W OLEANDER AV, PERRIS

Dear Property Owner,

The City of Perris, Building Division, is in the process of upgrading the storage of old and new plans onto microfiche. Once the plans are microfiched, the originals will be destroyed.

If you would like to receive the plans we have of your property, please call our office at 909-943-5003 to make arrangements to pick them up.

We will hold your plans until FEBRUARY 1, 1995, after which they will be destroyed. If you have any questions or concerns please feel free to call our office.

Sincerely,

Charles A. Ray

Charles Ray
Building Official

CR:kw

Issued 2/6/95

kw\forms\destroy.own

BINH S. LEE
657 - W. OLEANDER AVE.
PERRIS, CA. 92570

CITY OF PERRIS
BUILDING DEPT. - MR. CHARLES RAY
170-6 WILKERSON AVE.
PERRIS, CA. 92570

11-02-1994

RE: PERMITS #94-00129, #94-00130, #94-00131

Dear Sirs,

As owner of the farm located at 657, W. Oleander Ave. Perris, I am requesting an extension on Permits #94-00129, #94-00130, #94-00131 from the Expiration date of 11/5/1994. The reason for my request is that due to summer weather, we have extreme difficulties in doing any construction work inside the vegetation hot houses that the permits are for. (with a daytime temperature of 130° + indoor the hot houses). With the cooler temperature coming, hopefully we can progress soon.

Thank you for your assistance.

Yours Truly,
Binh S. Lee

BINH S. LEE

CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

December 2, 2008

Richard Hargis
Riverside County Assessor, Mapping
4080 Lemon Street, 6th Floor
Riverside, CA 92501

Subject: Address Changes

Dear Mr. Hargis:

Certain addresses on Oleander Avenue have been renamed. The following lists all addresses that have been changed from Oleander Avenue to Harley Knox Boulevard.

STREET NAME CHANGE

From: Oleander Avenue			To: Harley Knox Boulevard			
Number	*Street Name*	*Zip*	*Number*	*Street Name*	*Zip*	*APN*
150	Oleander Ave. E.	92571	150	Harley Knox Blvd.	92571	302-100-002
480	Oleander Ave. W.	92571	480	Harley Knox Blvd.	92571	302-020-032
1090	Oleander Ave. W.	92571	1090	Harley Knox Blvd.	92571	294-220-013
1050	Oleander Ave. W.	92571	1050	Harley Knox Blvd.	92571	294-220-007
1033	Oleander Ave. W.	92571	1033	Harley Knox Blvd.	92571	314-153-009
1073	Oleander Ave. W.	92571	1073	Harley Knox Blvd.	92571	314-153-075
1093	Oleander Ave. W.	92571	1093	Harley Knox Blvd.	92571	314-153-078
1133	Oleander Ave. W.	92571	1133	Harley Knox Blvd.	92571	314-153-073
1153	Oleander Ave. W.	92571	1153	Harley Knox Blvd.	92571	314-153-079
1173	Oleander Ave. W.	92571	1173	Harley Knox Blvd.	92571	314-153-002
400	Oleander Ave. W.	92571	400	Harley Knox Blvd.	92571	
420	Oleander Ave. W.	92571	420	Harley Knox Blvd.	92571	302-090-047-9
440	Oleander Ave. W.	92571	440	Harley Knox Blvd.	92571	302-090-046-8
460	Oleander Ave. W.	92571	460	Harley Knox Blvd.	92571	302-090-045-7
555	Oleander Ave. W.	92571	555	Harley Knox Blvd.	92571	302-020-007
657	Oleander Ave. W.	92571	657	Harley Knox Blvd.	92571	302-020-006
1450	Oleander Ave. W.	92571	1450	Harley Knox Blvd.	92571	
1190	Oleander Ave. W.	92571	1190	Harley Knox Blvd.	92571	
495	Oleander Ave. W.	92571	495	Harley Knox Blvd.	92571	302-020-027-4

Please make the necessary changes to your records.

If you have any questions, please feel free to contact me at 951-956-2120 ext. 226.

Sincerely,

Michael A. Morales
Capital Improvements Project Manager

Enclosure: Property Address List

cc:

Property Owners	SCE
CR&R Disposal	EMWD
Recreation	The Gas Co.
Verizon	Police Department
Public Works	Fire Department
Finance/Water Dept.	Postmaster

City of Perris

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
101 NORTH "D" STREET, PERRIS, CA 92570
TEL.: (909) 943-5003 FAX: (909) 943-3293
OLIVIA GUTIERREZ, DIRECTOR

October 23, 2001

Kathy Benson, Sr. Escrow Officer
Chicago Title Company
560 East Hospitality Lane
San Bernardino, CA 92408

Re: 657 West Oleander Avenue, Perris
APN 302-020-006

Your: Escrow Number 12047064-K50

Enclosed please find a copy of the recorded Release Notice of Pendency of Administrative Proceedings on the above referenced address.

Sincerely,

Cora E. D. Soto
Neighborhood Preservation

/ces

Enclosure

DOC # 2001-466126
09/26/2001 08:00A Fee:10.00
Page 1 of 2
Recorded in Official Records
County of Riverside
Gary L. Orso
Assessor, County Clerk & Recorder

Recording Requested By:

DEPARTMENT OF PLANNING
AND COMMUNITY DEVELOPMENT
CITY OF PERRIS, CALIFORNIA

And When Recorded Mail To:

THE CITY OF PERRIS
DEPARTMENT OF PLANNING
AND COMMUNITY DEVELOPMENT
101 N. 'D' Street
Perris CA 92570-2200

M	S	U	PAGE	SIZE	DA	PCOR	NOCOR	SMF	MISC.
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M
AG

THE CITY OF PERRIS
DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
State of California

In the matter of unlawful condition
On the property of:

Paul Tsan, Utomo & Keno Tani

And does 1 through X owners

RELEASE
NOTICE OF PENDENCY
OF ADMINISTRATIVE
PROCEEDINGS

City Case No.

I, the undersigned, do hereby release the owner of that certain Notice of Pendency of Administrative Proceedings with reference to property maintenance, recorded July 1, 1993, Instrument Number 253872, against property located in the City of Perris described as follows:

657 West Oleander Avenue, Perris; Book 014, Page 668, Lot 3, Blk 3,
Riverside Track
APN 302-020-006

Dated: September 18, 2001

Olivia Gutierrez
Director of Planning and Community Development
City of Perris

OCT 2001
PERRIS
Planning/Comm
Development

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California
County of Riverside } ss.

On September 20 2001 (Date), before me, Marilyn Beth Fernholz (Name and Title of Officer (e.g., "Jane Doe, Notary Public")),
personally appeared Olivia Gutierrez (Name(s) of Signer(s)),

☒ personally known to me
☐ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

MARILYN BETH FERNHOLZ
COMM. #1308347
NOTARY PUBLIC - CALIFORNIA
RIVERSIDE COUNTY
My Comm. Exp. June 13, 2005

Place Notary Seal Above

Marilyn Beth Fernholz
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

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2001-466126

CITY OF PERRIS

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
101 NORTH "D" STREET, PERRIS, CA 92570
TEL.: (909) 943-5003 FAX: (909) 943-3293
OLIVIA GUTIERREZ, DIRECTOR

September 18, 2001

Riverside County Recorder
P O Box 751
Riverside, CA 92502-0751

Re:	Release Notice of Pendency of Administrative Proceedings
Owner:	Paul Tsan, Utomo & Kano Tani
Property:	657 West Oleander Avenue
APN:	302-020-006

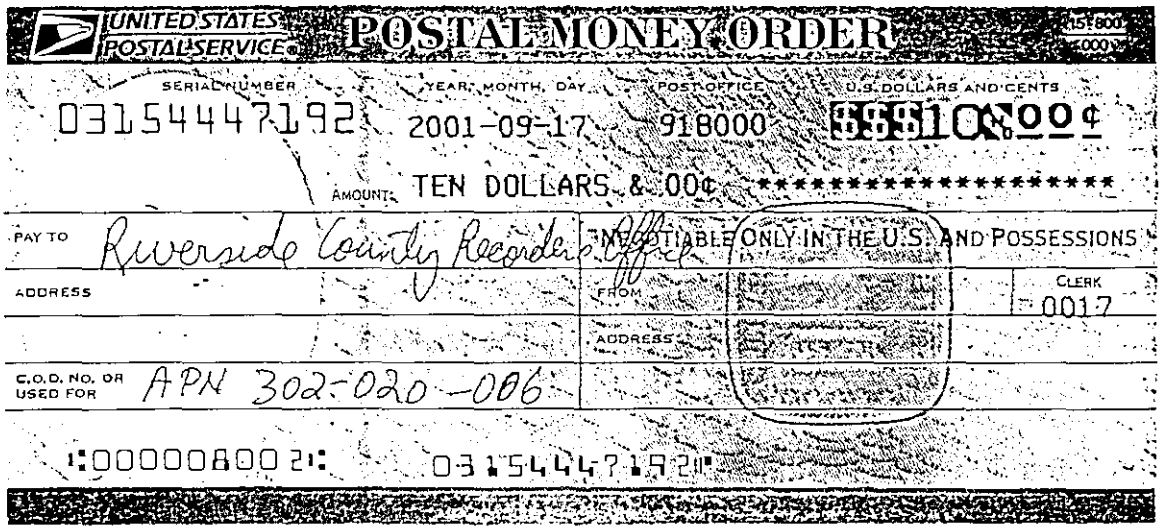
Attached please find the **Release Notice of Pendency of Administrative Proceedings** on the above referenced property. The original **Notice of Pendency** was recorded July 1, 1993, Instrument Number 253872. Also included is a check in the amount of $10 for this change in records. Please send the original copies to our offices when the recordations have been completed.

Sincerely,

Cora E. D. Soto
Neighborhood Preservation

/ces

Attachments


UNITED STATES POSTAL SERVICE
POSTAL MONEY ORDER
SERIAL NUMBER 03154447192
YEAR, MONTH, DAY 2001-09-17
POST OFFICE 91800
U.S. DOLLARS AND CENTS $10.00¢
AMOUNT TEN DOLLARS & 00¢
PAY TO Riverside County Recorder's Office
NEGOTIABLE ONLY IN THE U.S. AND POSSESSIONS
ADDRESS
FROM
CLERK 0017
ADDRESS
C.O.D. NO. OR USED FOR APN 302-020-006
00000800 03154447192

Carol, Please, do the typical — Thanks RJ

253872

RECEIVED FOR RECORD
AT 8:00 O'CLOCK
JUL - 1 1993

Recording Requested By :

PLANNING & COMMUNITY DEVELOPMENT DEPT. :
CITY OF PERRIS, CALIFORNIA :

And When Recorded Mail To :

CITY OF PERRIS :
Planning & Community Development Dept. :
170-B Wilkerson Avenue :
Perris, California 92570-1998 :

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT OF THE CITY OF PERRIS
State of California

In the matter of unlawful condition on property of:	:	No. _____
Paul Tsan, Utomo & Kano Tani	:	**NOTICE OF PENDENCY OF ADMINISTRATIVE PROCEEDINGS**
and does 1 through X owners	:	

Notice is hereby given to all persons, pursuant to Section 17985 of the Health and Safety Code of the State of California and the Municipal Code of the City of Perris, that administrative proceedings have been commenced with respect to the structure located upon the following described real property in the County of Riverside;

West Oleander Avenue, Perris; Book 014, Page 668, Lot 3, Blk 3, Riverside TR; Assessor's Parcel #302-020-006

That such proceedings are based upon the non-compliance of such structure with the requirement of the City of Perris Ordinance Code; that a record of said unlawful conditions is on file with the Planning and Community Development Department located at 170-B Wilkerson Avenue, Perris, California; that failure to comply with the lawful orders of the building official heretofore and thereafter issued relative to the above matter may result in legal action by the City of Perris in the State of California to cause any and all unlawful conditions now existing to be abated; that any purchaser, his heirs or assigns of said property, subsequent to the recording of this notice with the County Recorder of Riverside County shall have such interest subject and subordinate to said administrative proceedings.

6-28-93
Date

Charles Ray for O.G.
Olivia Gutierrez, Director of Planning and Community Development

entdlt\woleandr.nop

Recording Requested By:

DEPARTMENT OF PLANNING
AND COMMUNITY DEVELOPMENT
CITY OF PERRIS, CALIFORNIA

And When Recorded Mail To:

THE CITY OF PERRIS
DEPARTMENT OF PLANNING
AND COMMUNITY DEVELOPMENT
101 N. 'D' Street
Perris CA 92570-2200

THE CITY OF PERRIS
DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
State of California

In the matter of unlawful condition On the property of: **Paul Tsan, Utomo & Keno Tani** And does 1 through X owners	**RELEASE** **NOTICE OF PENDENCY** **OF ADMINISTRATIVE** **PROCEEDINGS** City Case No.

I, the undersigned, do hereby release the owner of that certain Notice of Pendency of Administrative Proceedings with reference to property maintenance, recorded July 1, 1993, Instrument Number 253872, against property located in the City of Perris described as follows:

657 West Oleander Avenue, Perris; Book 014, Page 668, Lot 3, Blk 3,
Riverside Track
APN 302-020-006

Dated: September 18, 2001

Olivia Gutierrez
Director of Planning and Community Development

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

State of California

County of Riverside } ss.

On September 20, 2001 (Date), before me, Marilyn Beth Fernholz (Name and Title of Officer (e.g., "Jane Doe, Notary Public")),

personally appeared Olivia Gutierrez (Name(s) of Signer(s)),

☒ personally known to me
☐ proved to me on the basis of satisfactory evidence

to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Marilyn Beth Fernholz
Signature of Notary Public

CRS6 MARILYN BETH FERNHOLZ
COMM. #1308347
NOTARY PUBLIC - CALIFORNIA
RIVERSIDE COUNTY
My Comm. Exp. June 13, 2005 CRS6

Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer

Signer's Name: _____

☐ Individual
☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General
☐ Attorney in Fact
☐ Trustee
☐ Guardian or Conservator
☐ Other: _____

Signer Is Representing: _____

RIGHT THUMBPRINT OF SIGNER
Top of thumb here

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CHICAGO TITLE COMPANY

560 EAST HOSPITALITY LANE, SAN BERNARDINO, CALIFORNIA 92408
(909)384-7907 Fax (909)384-7855

September 17, 2001

CITY OF PERRIS
PLANNING & COMMUNITY DEVELOPMENT DEPT.
170-B WILKERSON AVENUE
PERRIS, CA 92570-1998

RE: APN#302-020-006
ESCROW NO.: 12047064-K50

TO WHOM IT MAY CONCERN:

On July 16, 2001 we sent a letter to you request a Release of a Notice of Pendency of Administrative Proceedings. Attached is a copy of our letter and a copy of the Notice.

Please provide this office with a Demand and Release or advise if it was placed on the tax rolls.

Thank you,

K Benson

CHICAGO TITLE COMPANY
KATHY BENSON
SR. ESCROW OFFICER

KB/pp

9-19-01
When ready to release, fax copies to Kathy Benson & Jenny Tant

SEP 2001
PERRIS
Planning/Comm
Development

LTR2 --08/22/96bk

City of Perris
DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
101 NORTH "D" STREET, PERRIS, CA 92570
TEL.: (909) 943-5003 FAX: (909) 943-3293

FAX COVER SHEET

FAXED

Date: September 20, 2001

To: Kathy Benson

Company: Chicago Title Company

Fax Number: 909/384-7855

Number of Pages With cover: Four

Sender: Cora Soto, NPT 943-5003 x 229

Sender's Fax #: 909/943-3293

Department:

Building & Safety

Housing, Community Development

XXX Neighborhood Preservation/Weed Abatement

Planning

Subject: 657 West Oleander

Message: This information was mailed to the Riverside County Recorder on Thursday, September 20, 2001.

If all pages are not received, or there are questions regarding the contents of this fax, please call the sender.

City of Perris
DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
101 NORTH "D" STREET, PERRIS, CA 92570
TEL.: (909) 943-5003 FAX: (909) 943-3293

FAX COVER SHEET

FAXED

Date: September 20, 2001

To: Jimmy Tani

Company:

Fax Number: 213/947-1888

Number of Pages With cover: Four

Sender: Cora Soto, NPT 943-5003 x 229

Sender's Fax #: 909/943-3293

Department:

Building & Safety

Housing, Community Development

XXX Neighborhood Preservation/Weed Abatement

Planning

Subject: 657 West Oleander

Message: This information was mailed to the Riverside County Recorder on Thursday, September 20, 2001.

If all pages are not received, or there are questions regarding the contents of this fax, please call the sender.

CHICAGO TITLE COMPANY
560 EAST HOSPITALITY LANE, SAN BERNARDINO, CALIFORNIA 92408
(909)384-7853 Fax (909)384-7855

July 16, 2001

CITY OF PERRIS
PLANNING & COMMUNITY DEVELOPMENT DEPT.
170-B WILKERSON AVENUE
PERRIS, CA 92570-1998

RE: APN#302-020-006
ESCROW NO.: 12047064-K50

TO WHOM IT MAY CONCERN:

We have an escrow involving a portion of the above referenced APN#. The public records reflect a Notice of Pendency of Administrative Proceedings recorded 7/1/93 #253872 which we need to get released. The portion of the APN which is being transferred to March Joint Powers Authority is described in the attached exhibit.

Please advise as to how we need to proceed with your office in regards to this matter.

Thank you,

CHICAGO TITLE COMPANY
KATHY BENSON
SR. ESCROW OFFICER

KB/pp

253872

RECEIVED FOR RECORD
AT 8:00 O'CLOCK
JUL - 1 1993

Recording Requested By :

PLANNING & COMMUNITY DEVELOPMENT DEPT. :
CITY OF PERRIS, CALIFORNIA :

And When Recorded Mail To :

CITY OF PERRIS :
Planning & Community Development Dept. :
170-B Wilkerson Avenue :
Perris, California 92570-1998 :

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT OF THE CITY OF PERRIS
State of California

In the matter of unlawful condition on property of:	:	No. _____
Paul Tsan, Utomo & Keno Tani	:	**NOTICE OF PENDENCY OF ADMINISTRATIVE PROCEEDINGS**
and does 1 through X owners	:	

Notice is hereby given to all persons, pursuant to Section 17985 of the Health and Safety Code of the State of California and the Municipal Code of the City of Perris, that administrative proceedings have been commenced with respect to the structure located upon the following described real property in the County of Riverside;

West Oleander Avenue, Perris; Book 014, Page 668, Lot 3, Blk 3, Riverside TR; Assessor's Parcel #302-020-006

That such proceedings are based upon the non-compliance of such structure with the requirement of the City of Perris Ordinance Code; that a record of said unlawful conditions is on file with the Planning and Community Development Department located at 170-B Wilkerson Avenue, Perris, California; that failure to comply with the lawful orders of the building official heretofore and thereafter issued relative to the above matter may result in legal action by the City of Perris in the State of California to cause any and all unlawful conditions now existing to be abated; that any purchaser, his heirs or assigns of said property, subsequent to the recording of this notice with the County Recorder of Riverside County shall have such interest subject and subordinate to said administrative proceedings.

6-28-93
Date

Charles Ray for O.G.
Olivia Gutierrez, Director of Planning
and Community Development

enfdir\woleandc.nop

FACSIMILE COVER PAGE

To :	**MR. RICH JOHNSTON**	**From :**	niceland
Sent :	9/17/01 at 10:05:58 AM	**Pages :**	1 (including Cover)
Subject :			

MR. RICH JOHNSTON

ENCLOSED PLEASE FIND A LETTER REQUESTING RELEASE FROM THE ESCROW OFFICE

PLEASE KINDLY GIVE ME A CALL 213-276-8898

THANKS
JIMMY TANI

FAX 213/947-1888

Cara,
Sent this Con & the
Amount — Let me know before
we release anything —
K-

Fax Transmittal Sheet

CHICAGO TITLE COMPANY

PLEASE DELIVER TO:

JIMMY TANI

Number Dialed: 213-746-2331

FROM:

KATHY BENSON
CHICAGO TITLE COMPANY
560 EAST HOSPITALITY LANE
SAN BERNARDINO, CALIFORNIA 92408
Phone: (909) 884-0448
Fax : (909) 384-7855

Date Sent: September 17, 2001

Escrow No: 12047064 - KSO

Regarding: APN#302-020-006, 024

Pages: 2

The number of pages includes this cover sheet. If you did not receive all of the pages or if you have any questions about this transmission, please contact the sender.

COMMENTS AND ADDITIONAL INFORMATION

PER YOUR REQUEST, ATTACHED IS A COPY OF THE LIEN FROM THE CITY OF PERRIS RECORDED IN 1993 AS WELL AS A COPY OF OUR LETTER REQUESTING A RELEASE.

The materials enclosed with this facsimile transmission are private and confidential and are the property of the sender. The information contained in the material is privileged and is intended only for the use of the individual(s) or entity(ies) named above. If you are not the intended recipient, be advised that any unauthorized disclosure, copying, distribution or the taking of any action in reliance on the contents of this information is strictly prohibited.

FTS -02/07/97bk

253872

Recording Requested By

PLANNING & COMMUNITY DEVELOPMENT DEPT.
CITY OF PERRIS, CALIFORNIA

And When Recorded Mail To

CITY OF PERRIS
Planning & Community Development Dept.
170-B Wilkerson Avenue
Perris, California 92570-1998

RECEIVED FOR RECORD
AT 8:00 O'CLOCK
JUL -1 1993

PLANNING AND COMMUNITY DEVELOPMENT DEPARTMENT OF THE CITY OF PERRIS
State of California

In the matter of unlawful condition on property of:
Paul Tran, Utcou & Kano Vani

and does 1 through X owners

No. _____

NOTICE OF PENDENCY OF ADMINISTRATIVE PROCEEDINGS

Notice is hereby given to all persons, pursuant to Section 17985 of the Health and Safety Code of the State of California and the Municipal Code of the City of Perris, that administrative proceedings have been commenced with respect to the structure located upon the following described real property in the County of Riverside;

West Oleander Avenue, Perris; Book 014, Page 668, Lot 3, Blk 3, Riverside TR; Assessor's Parcel #302-020-006

That such proceedings are based upon the non-compliance of such structure with the requirement of the City of Perris Ordinance Code; that a record of said unlawful conditions is on file with the Planning and Community Development Department located at 170-B Wilkerson Avenue, Perris, California; that failure to comply with the lawful orders of the building official heretofore and thereafter issued relative to the above matter may result in legal action by the City of Perris in the State of California to cause any and all unlawful conditions now existing to be abated; that any purchaser, his heirs or assigns of said property, subsequent to the recording of this notice with the County Recorder of Riverside County shall have such interest subject and subordinate to said administrative proceedings.

6-22-93
Date

Charles Ray for O.G.
Olivia Gutierrez, Director of Planning and Community Development

antal:wpleandr.nop

857 W. Oleander
302-020-006

CHICAGO TITLE COMPANY

550 EAST HOSPITALITY LANE, SAN BERNARDINO, CALIFORNIA 92408
(909)384-7853 Fax (909)384-7855

July 16, 2001

CITY OF PERRIS
PLANNING & COMMUNITY DEVELOPMENT DEPT.
170-B WILKERSON AVENUE
PERRIS, CA 92570-1993

RE: APN#302-020-006
ESCROW NO.: 12047064-K50

TO WHOM IT MAY CONCERN:

We have an escrow involving a portion of the above referenced APN#. The public records reflect a Notice of Pendency of Administrative Proceedings recorded 7/1/93 #258872 which we need to get released. The portion of the APN which is being transferred to March Joint Powers Authority is described in the attached exhibit.

Please advise as to how we need to proceed with your office in regards to this matter.

Thank you.

CHICAGO TITLE COMPANY
KATHY BENSON
SR. ESCROW OFFICER

KB/pp

TRANSACTION REPORT

SEP-17-01 10:16 AM

FOR: City.of.perris 9096571087

RECEIVE

DATE	START	SENDER	PAGES	TIME	NOTE
SEP-17	10:14 AM	G3	3	1'16"	OK

TRANSACTION REPORT

SEP-17-01 10:14 AM

FOR: City.of.perris 9096571087

RECEIVE

DATE	START	SENDER	PAGES	TIME	NOTE
SEP-17	10:12 AM	213-748-2331	1	26"	OK

RECIPIENT
The sender has requested notification upon delivery.
Immediately upon receipt, please telephone:
Name: _____
Tel. No.: ( )

DESTINATARIO
El remitente
Por favor l
Nombre:
Teléfono:

U.S. POSTAGE
PAID
ALHAMBRA, CA
91802
SEP 17, 01
AMOUNT
$12.45
00077378-17

0000

EXPRESS MAIL
UNITED STATES POSTAL SERVICE®
www.usps.com

CORPORATE ACCOUNT LABEL HERE.
ADHIERA AQUÍ EL FRANQUEO O SU ETIQUETA DE CUENTA CORPORATIVA.
USO NACIONAL ÚNICAMENTE

EXPRESS MAIL
UNITED STATES POSTAL SERVICE®

POST OFFICE TO ADDRESSEE

ET465342393US

Addressee Copy
Label 11-B August 2000

ORIGIN (POSTAL USE ONLY)		
PO ZIP Code: 9112[illegible]	Day of Delivery: ☐ Next ☐ Second	Flat Rate Envelope: ☐
Date In: Mo. Day Year	☐ 12 Noon ☐ 3 PM	Postage: $ 1
Time In: ☐ AM ☐ PM	Military: ☐ 2nd Day ☐ 3rd Day	Return Receipt Fee
Weight: lbs. ozs	Int'l Alpha Country Code: O	COD Fee / Insurance Fee
No Delivery: ☐ Weekend ☐ Holiday	Acceptance Clerk Initials	Total Postage & Fees: $

DELIVERY (POSTAL USE ONLY)		
Delivery Attempt Mo. Day	Time ☐ AM ☐ PM	Employee Signature
Delivery Attempt Mo. Day	Time ☐ AM ☐ PM	Employee Signature
Delivery Date Mo. 9 Day 19	Time 2:30 ☐ AM ☐ PM	Employee Signature

☐ **WAIVER OF SIGNATURE** *(Domestic Only)* **Additional merchandise insurance is void if waiver of signature is requested.** I wish delivery to be made without obtaining signature of addressee or addressee's agent (if delivery employee judges that article can be left in secure location) and I authorize that delivery employee's signature constitutes valid proof of delivery.

NO DELIVERY ☐ Weekend ☐ Holiday _____ Customer Signature

CUSTOMER USE ONLY

TO FILE A CLAIM FOR DAMAGE OR LOSS OF CONTENTS, YOU MUST PRESENT THE ARTICLE, CONTAINER AND PACKAGING TO THE USPS FOR INSPECTION.

FROM: (PLEASE PRINT) PHONE (213) 276-8898

JIMMY TAM
1139 S. [illegible]
LA CA [illegible]
90015

TO: (PLEASE PRINT) PHONE (9[illegible]) 3[illegible]

CORO Sato
[illegible]

ZIP + 4: 9 2 5 7 0 + _ _ _ _

FOR PICKUP OR TRACKING CALL 1-800-222-1811 www.usps.com EMS

City of Perris
DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
101 NORTH "D" STREET, PERRIS, CA 92570
TEL.: (909) 943-5003 FAX: (909) 943-3293

FAX COVER SHEET

Date: September 17, 2001

To: Jimmy Tani

Company:

Fax Number: 213/947-1888

Number of Pages With cover: two

Sender: Cora Soto, NPT 943-5003 x 229

Sender's Fax #: 909/943-3293

Department:

Building & Safety

Housing, Community Development

XXX Neighborhood Preservation/Weed Abatement

Planning

Subject: 657 West Oleander

Message: Attached is a copy of the letter that was faxed to Kathy Benson at Chicago Title Company on July 23, 2001.

We will need to have this check submitted to process the Release of Pendency . Please note that the check ***must*** be made payable to ***Riverside County Recorder's Office.***

If all pages are not received, or there are questions regarding the contents of this fax, please call the sender.

CITY OF PERRIS

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
101 NORTH "D" STREET, PERRIS, CA 92570
TEL.: (909) 943-5003 FAX: (909) 943-3293
OLIVIA GUTIERREZ, DIRECTOR

FAXED 11:30 ces

via fax 909/384-7855

July 23, 2001

Kathy Benson, Senior Escrow Officer
Chicago Title Company
560 East Hospitality Lane
San Bernardino, CA 92408

Re: 657 West Oleander Ave, Perris
APN 302-020-006

Dear Kathy:

We are in receipt of your request to release the Notice of Pendency on the above referenced property. Please send a check to this department made payable to the ***Riverside County Recorder's Office*** in the amount of $10.00. Upon receipt of this check we will send the necessary documents to the Recorder's Office.

Please do not make the check payable to the City of Perris as this will only delay the proceedings.

Sincerely,

Cora E. D. Soto
Neighborhood Preservation Tech

/ces

S/Code/Letters/07 2001

CITY OF PERRIS

DEPARTMENT OF PLANNING AND COMMUNITY DEVELOPMENT
101 NORTH "D" STREET, PERRIS, CA 92570
TEL.: (909) 943-5003 FAX: (909) 943-3293
OLIVIA GUTIERREZ, DIRECTOR

FAXED 11:30 am

via fax 909/384-7855

July 23, 2001

Kathy Benson, Senior Escrow Officer
Chicago Title Company
560 East Hospitality Lane
San Bernardino, CA 92408

Re: 617 West Oleander Ave, Perris
APN 302-020-006

Dear Kathy:

We are in receipt of your request to release the Notice of Pendency on the above referenced property. Please send a check to this department made payable to the ***Riverside County Recorder's Office*** in the amount of $10.00. Upon receipt of this check we will send the necessary documents to the Recorder's Office.

Please do not make the check payable to the City of Perris as this will only delay the proceedings.

Sincerely,

Cora E. P. Soto
Neighborhood Preservation Tech

/ces

CHICAGO TITLE COMPANY

560 EAST HOSPITALITY LANE, SAN BERNARDINO, CALIFORNIA 92408
(909)384-7853 Fax (909)384-7855

July 16, 2001

657 W
Oleander

CITY OF PERRIS
PLANNING & COMMUNITY DEVELOPMENT DEPT.
170-B WILKERSON AVENUE
PERRIS, CA 92570-1998

RE: APN#302-020-006
ESCROW NO.: 12047064-K50

TO WHOM IT MAY CONCERN:

We have an escrow involving a portion of the above referenced APN#. The public records reflect a Notice of Pendency of Administrative Proceedings recorded 7/1/93 #253872 which we need to get released. The portion of the APN which is being transferred to March Joint Powers Authority is described in the attached exhibit.

Please advise as to how we need to proceed with your office in regards to this matter.

Thank you,

K Benson

CHICAGO TITLE COMPANY
KATHY BENSON
SR. ESCROW OFFICER

KB/pp



APPENDIX D
HISTORICAL RESOURCES

HISTORICAL AERIALS

Project Property: 657 Harley Knox Boulevard
657 Harley Knox Boulevard
Perris CA 92571

Project No:

Requested By: Weis Environmental, LLC

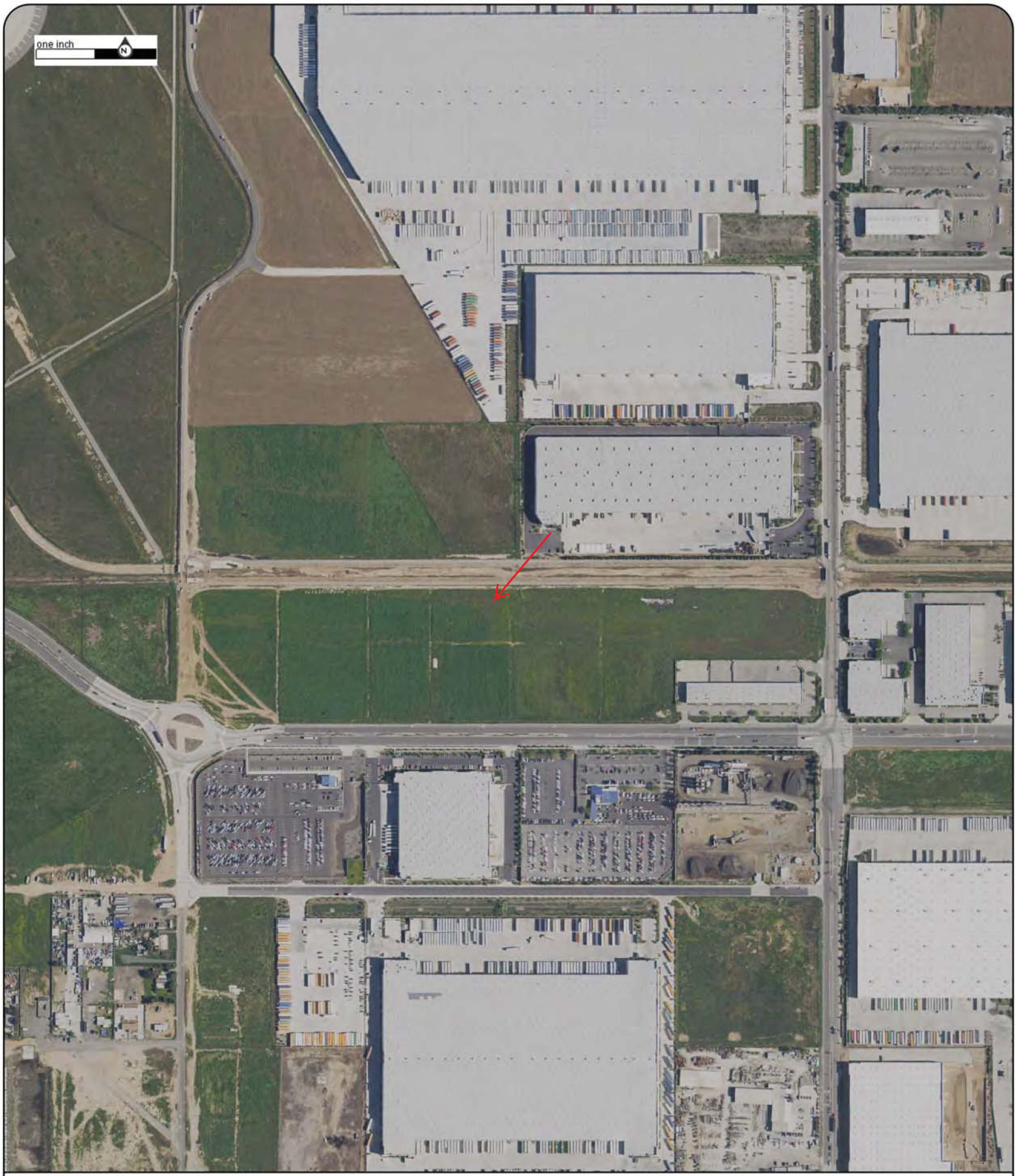
Order No: 21122800500

Date Completed: December 29,2021

Aerial Maps included in this report are produced by the sources listed above and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property. ERIS provides no warranty of accuracy or liability. The information contained in this report has been produced using aerial photos listed in above sources by ERIS Information Inc. (in the US) and ERIS Information Limited Partnership (in Canada), both doing business as 'ERIS'. The maps contained in this report do not purport to be and do not constitute a guarantee of the accuracy of the information contained herein. Although ERIS has endeavored to present information that is accurate, ERIS disclaims, any and all liability for any errors, omissions, or inaccuracies in such information and data, whether attributable to inadvertence, negligence or otherwise, and for any consequences arising therefrom. Liability on the part of ERIS is limited to the monetary value paid for this report.

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Date	Source	Scale	Comments
2020	United States Departments of Agriculture	1" = 500'	
2018	United States Departments of Agriculture	1" = 500'	
2016	United States Departments of Agriculture	1" = 500'	
2014	United States Departments of Agriculture	1" = 500'	
2012	United States Departments of Agriculture	1" = 500'	
2010	United States Departments of Agriculture	1" = 500'	
2006	United States Departments of Agriculture	1" = 500'	
2005	United States Departments of Agriculture	1" = 500'	
2004	United States Departments of Agriculture	1" = 500'	
2002	United States Geological Survey	1" = 500'	
1997	United States Geological Survey	1" = 500'	
1994	United States Geological Survey	1" = 500'	
1985	United States Geological Survey	1" = 500'	
1980	United States Geological Survey	1" = 500'	
1976	United States Departments of Agriculture	1" = 500'	
1970	National Aeronautics And Space Admin	1" = 500'	
1966	United States Geological Survey	1" = 500'	
1958	FAIRCHILD	1" = 500'	
1953	Agricultural Stabilization & Conserv. Service	1" = 500'	
1938	Agricultural Stabilization & Conserv. Service	1" = 500'	



Year: 2020
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 2018
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 2016
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 2014
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 2012
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS

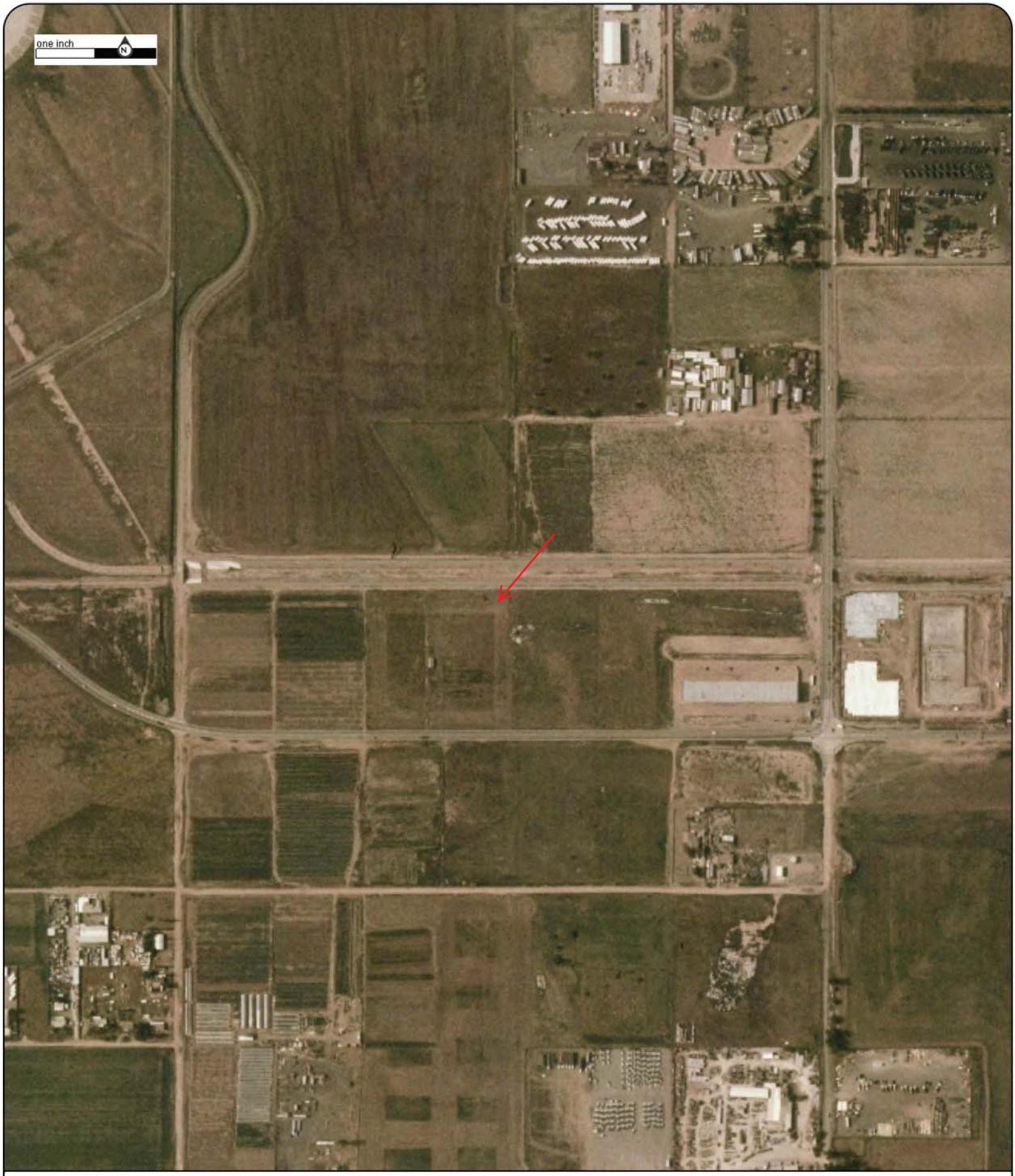


Year: 2010
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 2006
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 2005
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 2004
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 2002
Source: USGS
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1997
Source: USGS
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1994
Source: USGS
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1985
Source: USGS
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1980
Source: USGS
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1976
Source: USDA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1970
Source: NASA
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1966
Source: USGS
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1958
Source: FAIRCHILD
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1953
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS



Year: 1938
Source: ASCS
Scale: 1" = 500'
Comment:

Address: 657 Harley Knox Boulevard, Perris, CA
Approx Center: -117.23967172,33.85826944

Order No: 21122800500

ERIS

TOPOGRAPHIC MAPS

Project Property:	657 Harley Knox Boulevard 657 Harley Knox Boulevard Perris CA 92571
Project No:	None
Requested By:	Weis Environmental, LLC
Order No:	21122800500
Date Completed:	December 28, 2021

Environmental Risk Information Services
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1.866.517.5204 | info@erisinfo.com | erisinfo.com

We have searched USGS collections of current topographic maps and historical topographic maps for the project property. Below is a list of maps found for the project property and adjacent area. Maps are from 7.5 and 15 minute topographic map series, if available.

Year	Map Series
2015	7.5
1980	7.5
1979	7.5
1978	7.5
1973	7.5
1967	7.5
1953	7.5
1942	15
1901	15

Topographic Map Symbology for the maps may be available in the following documents:

Pre-1947

Page 223 of 1918 Topographic Instructions

Page 130 of 1928 Topographic Instructions

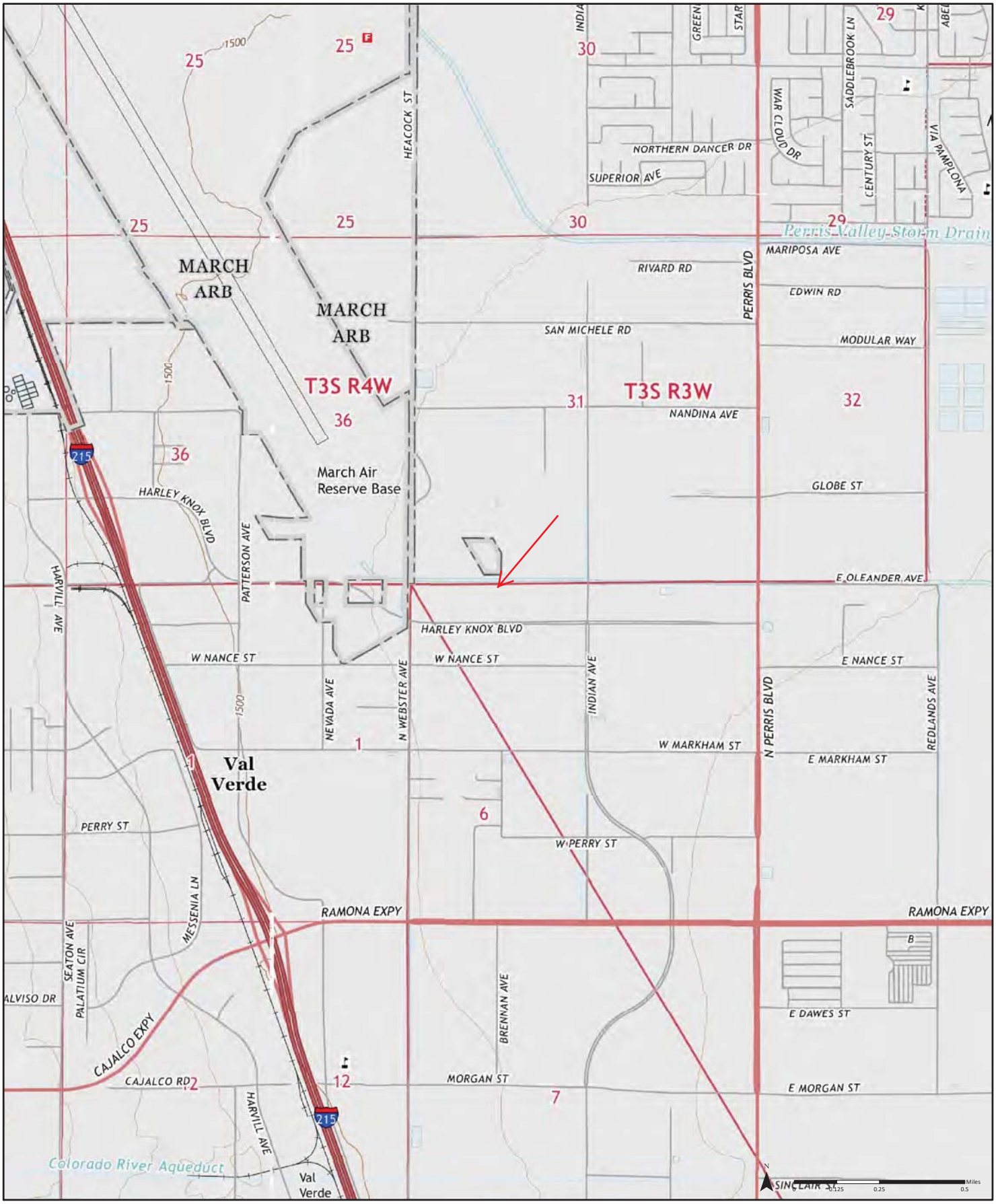
1947-2009

Topographic Map Symbols

2009-present

US Topo Map Symbols

Topographic Maps included in this report are produced by the USGS and are to be used for research purposes including a phase I report. Maps are not to be resold as commercial property.
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2015

Quadrangle(s): Steele Peak, CA; Riverside East, CA; Sunnymead, CA; Perris, CA

Order No. 21122800500

Source: USGS 7.5 Minute Topographic Map



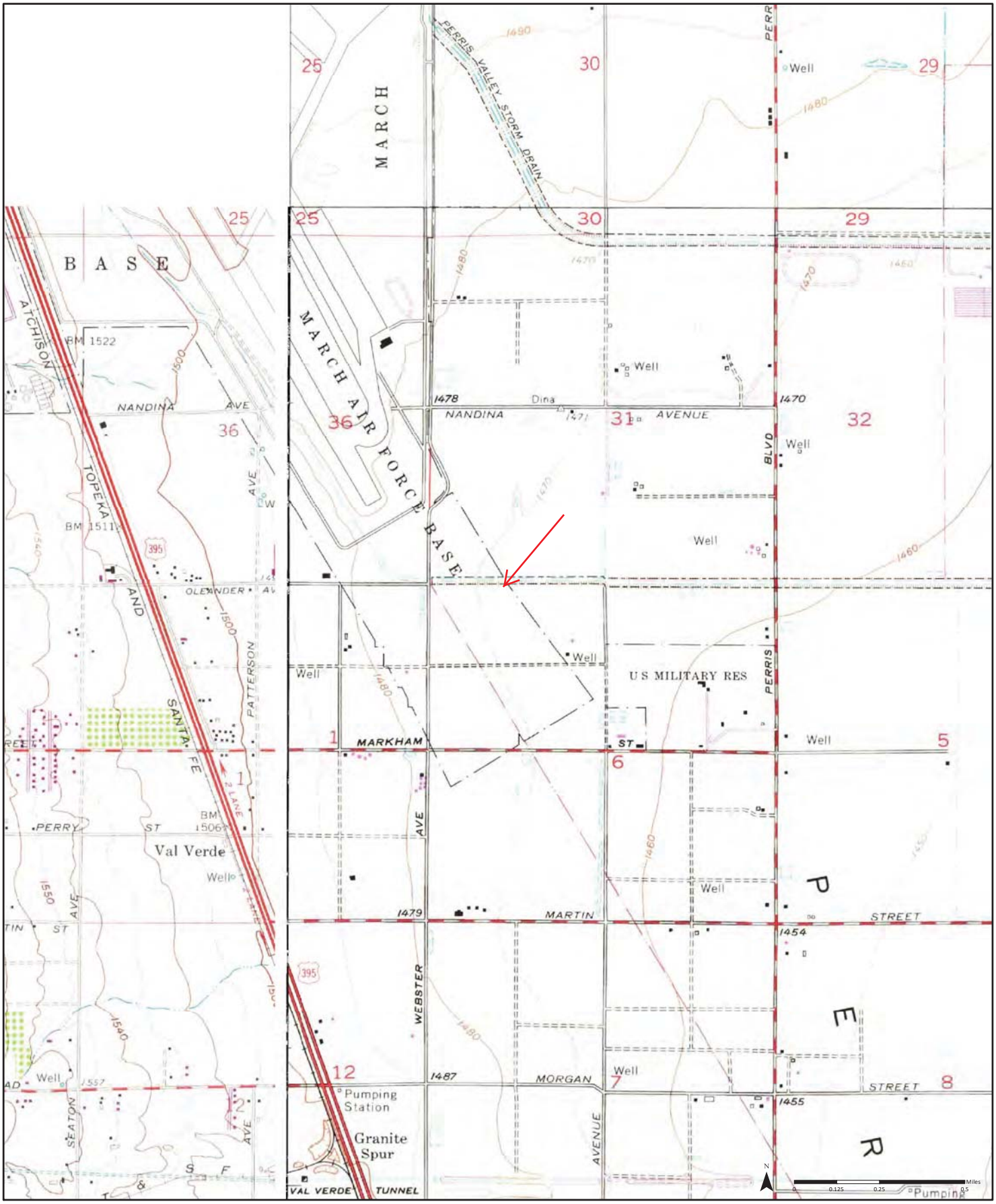
1979 [1]

Aerial Photo Year: 1978
Photo Revision Year: 1979

Quadrangle(s): Perris, CA[1]

Order No. 21122800500

Source: USGS 7.5 Minute Topographic Map



1973

(1) *Aerial Photo Year: 1973*

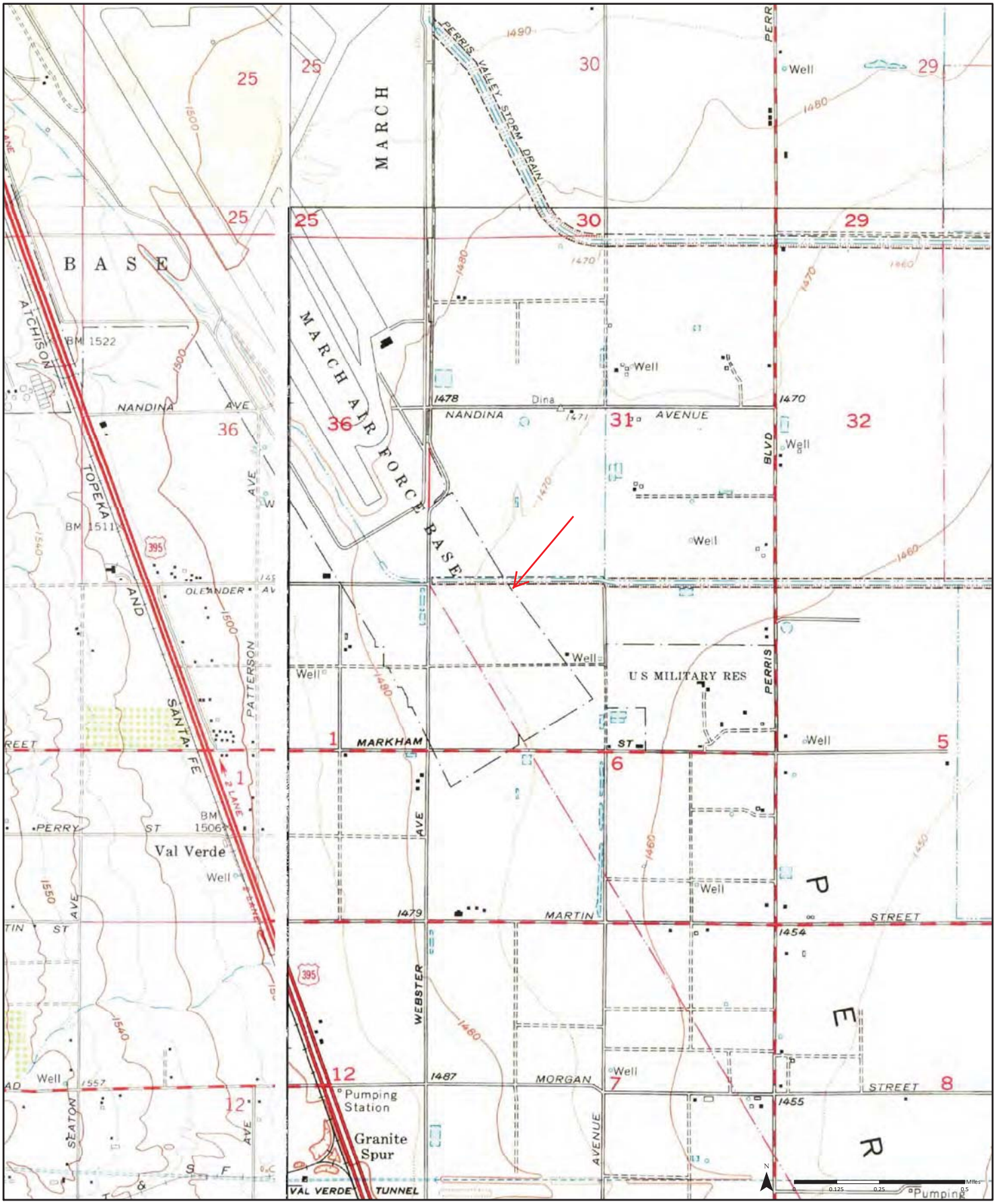
(2) *Aerial Photo Year: 1973*
Photo Revision Year: 1973

(3) *Aerial Photo Year: 1973*
Photo Revision Year: 1973

Quadrangle(s): Sunnymead, CA(1); Perris, CA(2); Steele Peak, CA(3)

Order No. 21122800500

Source: USGS 7.5 Minute Topographic Map

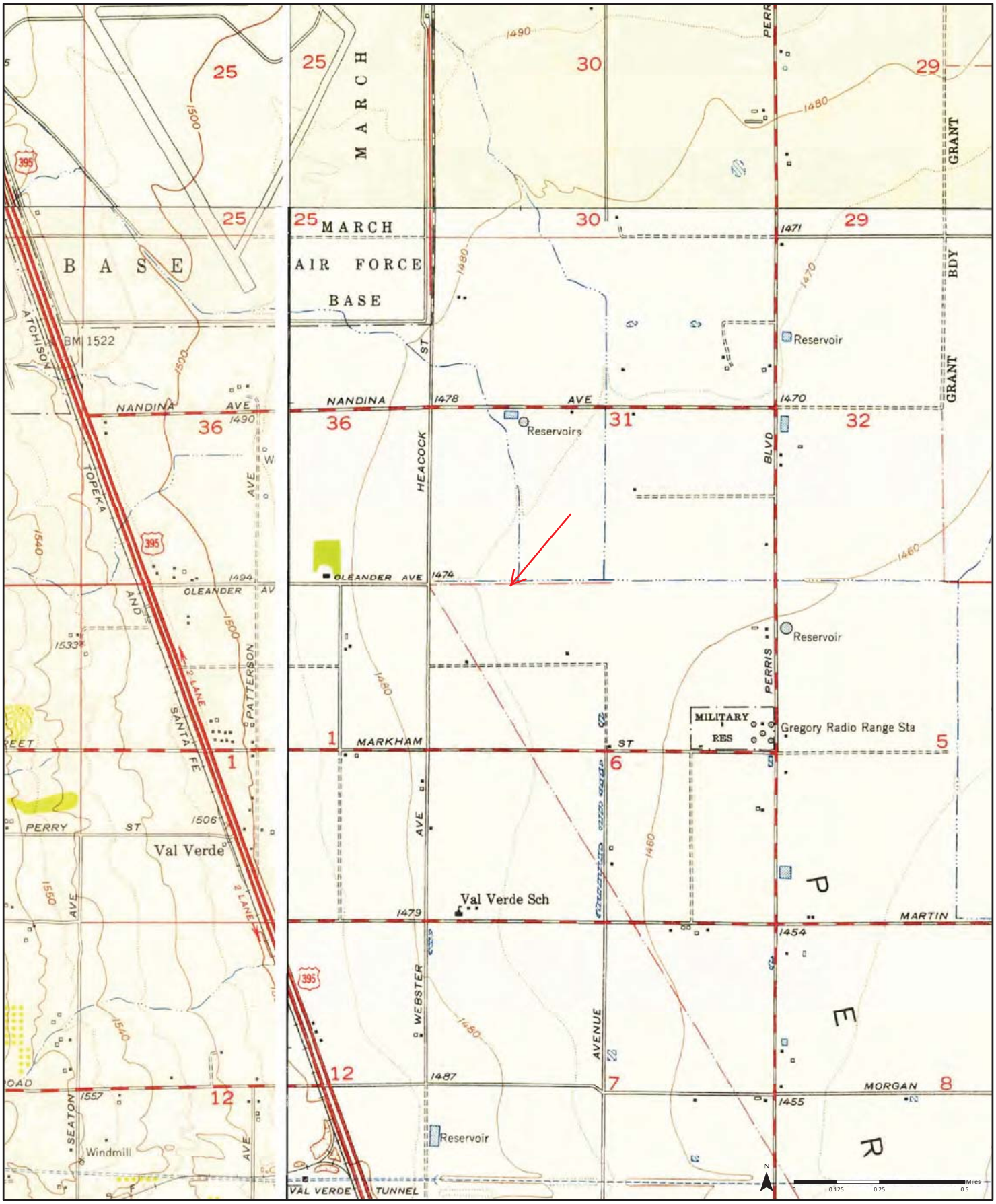


1967 (1) Aerial Photo Year: 1966 (2) Aerial Photo Year: 1966 (3) Aerial Photo Year: 1966 (4) Aerial Photo Year: 1966

Quadrangle(s): Riverside East, CA(1); Sunnymead, CA(2); Perris, CA(3); Steele Peak, CA(4) Order No. 21122800500

Source: USGS 7.5 Minute Topographic Map

ERIS



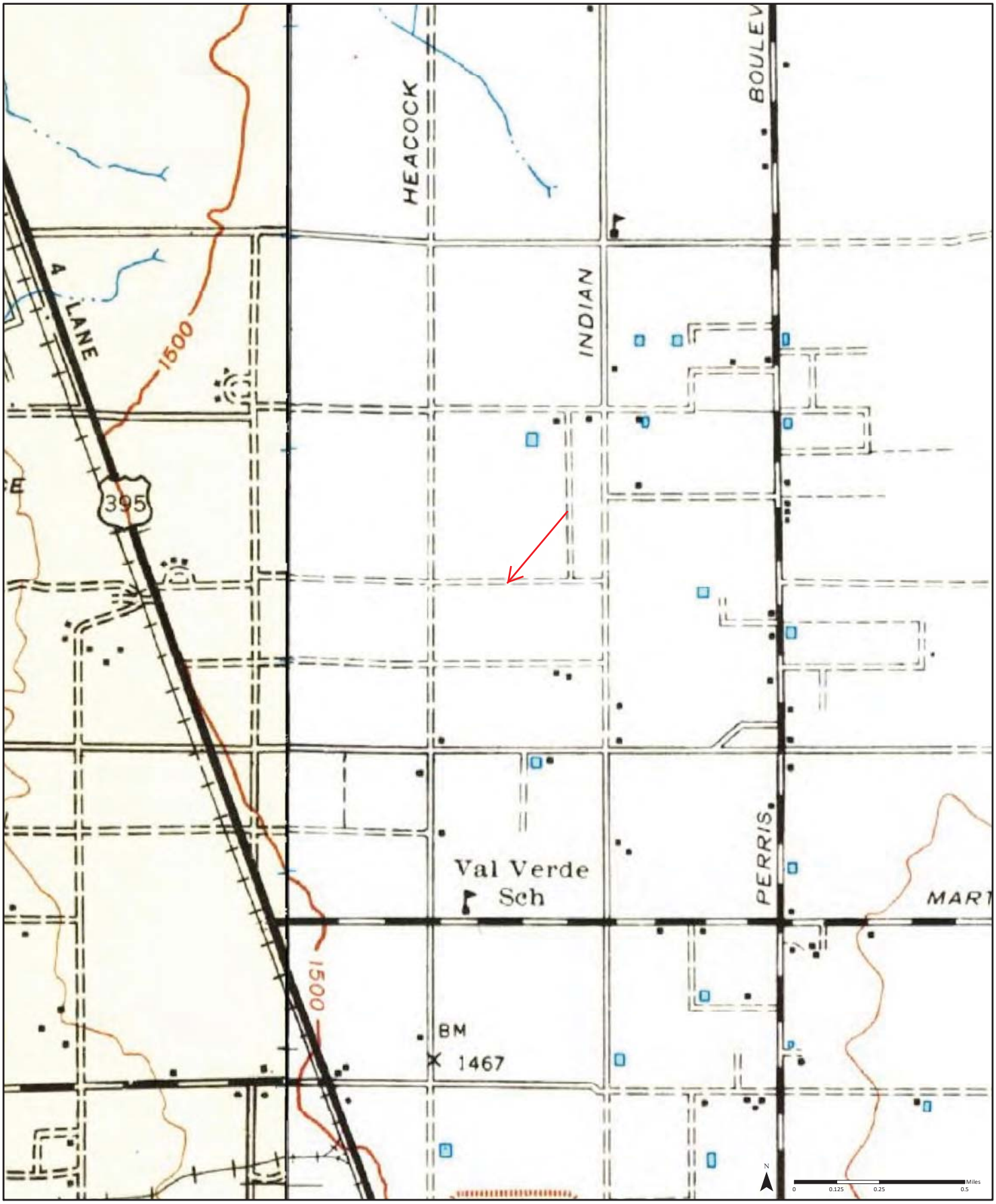
1953 (1) Aerial Photo Year: 1951 (2) Aerial Photo Year: 1951 (3) Aerial Photo Year: 1951 (4) Aerial Photo Year: 1951

Quadrangle(s): Steele Peak, CA(1); Perris, CA(2); Sunnymead, CA(3); Riverside East, CA(4)

Order No. 21122800500

Source: USGS 7.5 Minute Topographic Map

ERIS



1942 (1) *Aerial Photo Year: 1939* (2) *Aerial Photo Year: 1939*

Quadrangle(s): Riverside, CA(1); Perris, CA(2)

Order No. 21122800500

Source: USGS 15 Minute Topographic Map

CITY DIRECTORY

Project Property:	*657 Harley Knox Boulevard* *657 Harley Knox Boulevard* *Perris, CA 92571*
Project No:	
Requested By:	*Weis Environmental, LLC*
Order No:	*21122800500*
Date Completed:	*January 4, 2022*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

January 4, 2022
RE: CITY DIRECTORY RESEARCH
657 Harley Knox Boulevard
657 Harley Knox Boulevard Perris, CA

Thank you for contacting ERIS for an City Directory Search for the site described above. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. We have provided the nearest addresses(s) when adjacent addresses are not listed. If we have searched a range of addresses, all addresses in that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on more highly developed areas. Newly developed areas may be covered in the more recent years, but the older directories will tend to cover only the "central" parts of the city. To complete the search, we have either utilized the ACPL, Library of Congress, State Archives, and/or a regional library or history center as well as multiple digitized directories. These do not claim to be a complete collection of all reverse listing city directories produced.

ERIS has made every effort to provide accurate and complete information but shall not be held liable for missing, incomplete or inaccurate information. To complete this search we used the general range(s) below to search for relevant findings. If you believe there are additional addresses or streets that require searching please contact us at 866-517-5204.

Search Criteria:

400-800 of Harley Knox Boulevard
17800-20000 of Indian Street

Search Results Summary

Date	Source	Comment
2020	DIGITAL BUSINESS DIRECTORY	
2016	DIGITAL BUSINESS DIRECTORY	
2012	DIGITAL BUSINESS DIRECTORY	
2006-07	HAINES	
1996	HAINES	
1991	HAINES	
1986	HAINES	
1971	HAINES	

400 **NATIONAL RETAIL TRANSPORTATION**...*Transportation*
420 **PROSPER PROPERTIES**...*Offices Of Real Estate Agents & Brokers*
440 **KOYO COOLING SYSTEMS**...*Air Conditioning Contractors & Systems*
440 **KOYO COOLING SYSTEMS INC**...*Automobile Radiator-manufacturers*
460 **ACUMEN ELECTRONICS INC**...*Electronic Equipment & Supplies-retail*
460 **TRIAD MAGNETICS**...*Nonclassified Establishments*
460 **TRIAD MAGNETICS**...*Transformers-retail*

17825 **IHERB INC**...*Other Services Related To Advertising*

400 **PROFICIENCY PERRIS LLC**...*Nonclassified Establishments*
420 **PROSPER PROPERTIES**...*Offices Of Real Estate Agents & Brokers*
420 **R & M SUPPLY INC**...*Garden & Lawn Equipment & Supls-mfrs*
420 **R & M SUPPLY INC**...*Greenhouse Equipment & Supplies (whls)*
440 **KOYO COOLING SYSTEMS**...*Air Conditioning Contractors & Systems*
460 **TRIAD MAGNETICS**...*Nonclassified Establishments*
480 **CORIX WATER PRODUCTS INC**...*General Merchandise-retail*

17825 **IHERB INC**...*Other Services Related To Advertising*

2012
SOURCE: DIGITAL BUSINESS DIRECTORY

HARLEY KNOX BOULEVARD

NO LISTING FOUND FOR THIS YEAR...

2012
SOURCE: DIGITAL BUSINESS DIRECTORY

INDIAN STREET

NO LISTING FOUND FOR THIS YEAR...

2006-07
SOURCE: HAINES

HARLEY KNOX BOULEVARD

STREET NOT LISTED

2006-07
SOURCE: HAINES

INDIAN STREET

STREET NOT LISTED

1996
SOURCE: HAINES

HARLEY KNOX BOULEVARD

STREET NOT LISTED

1996
SOURCE: HAINES

INDIAN STREET

STREET NOT LISTED

1991
SOURCE: HAINES

HARLEY KNOX BOULEVARD

STREET NOT LISTED

1991
SOURCE: HAINES

INDIAN STREET

STREET NOT LISTED

1986
SOURCE: HAINES

HARLEY KNOX BOULEVARD

STREET NOT LISTED

1986
SOURCE: HAINES

INDIAN STREET

STREET NOT LISTED

1971
SOURCE: HAINES

HARLEY KNOX BOULEVARD

STREET NOT LISTED

1971
SOURCE: HAINES

INDIAN STREET

STREET NOT LISTED

--- END REPORT ---

APPENDIX E
PHOTOGRAPHS



1. View of the Site from the southeast.



2. View of the Site from the northeast.



3. Southern Site boundary.



4. View of the Site from its central area facing east.



5. View of the Site from its central area facing west.



6. Typical debris.

Photograph Log

First Harley Knox II
657 Harley Knox Boulevard
Perris, California



7. Typical debris.



8. Typical debris.



9. Typical utility feature.



10. Typical debris.



11. Concrete slab area.



12. Eastern and southern adjoining property.



13. Southern adjacent Harley Knox Boulevard and asphalt plant.



14. Eastern adjacent Indian Avenue and commercial property.



15. Northern adjacent East Oleander Avenue (unimproved) and drainage.



16. Northern adjacent commercial property.



17. Southern adjacent Harley Knox Boulevard and commercial properties.



18. Western adjacent vacant land.

APPENDIX F
QUALIFICATIONS

Dan Weis, R.E.H.S.

ENVIRONMENTAL MANAGER

1938 Kellogg Avenue, Suite 116, Carlsbad, CA 92008

(760) 585-7070 // (760) 672-6338 // dw@weisenviro.com // www.weisenviro.com

Professional Summary

Environmental Manager and California Registered Environmental Health Specialist with extensive expertise in environmental science and assessment, environmental and public health, risk assessment, health and safety, remedial design and implementation, strategic planning and project/program design and implementation. Over 20 years of professional experience and achievement. Successful completion of projects for a wide range of clientele including, but not limited to, local government entities, developers (affordable housing and market rate), educational institutions, Federal government entities, law firms, architectural and engineering firms, lending institutions, life insurance companies, conservancies, commercial/industrial real estate owners/managers, insurance companies, wireless telecommunication carriers and real estate developers. Extensive experienced in the completion of assessment, construction and remediation quality assurance during the completion of urban redevelopment/brownfields projects and public works projects, many of which have been located in downtown areas of San Diego, Los Angeles, Oakland, San Francisco, and other urban communities throughout the State of California. Proven ability to train and mentor professional, technical and support staff. Manages a comprehensive health and safety program. Holds a Master of Science in Public Health with an emphasis in environmental health science, risk assessment, health and safety, toxicology and environmental policy. Registered Environmental Health Specialist #8172 in the State of California.

Education and Professional Certification

- University of Delaware, Bachelor of Arts, 1995
- San Diego State University, Master of Science, Public/Environmental Health, 2001
- State of California Registered Environmental Health Specialist #8172
- Centers for Disease Control and Prevention National Center for Environmental Health Division of Emergency and Environmental Health Services - Environmental Health Training in Emergency Response
- Occupational Safety and Health Administration (OSHA) 40 Hour Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) Training and Annual 8 Hour HAZWOPER Refresher Training
- OSHA 8 Hour HAZWOPER Supervisor Training

Relevant Skills and Qualifications

- Proven ability to manage staff and programs/projects in challenging and diverse environments and regulatory settings. Consistently meets project schedules, goals, deadlines and budgetary restrictions.
- Completed or managed over 3,000 due diligence related environmental assessments and completed or managed over 500 subsurface environmental investigations of soil gas, soil, groundwater and other media. Investigations have included human health and ecological risk assessments, evaluations of indoor air conditions based on interpretations of subsurface conditions, underground storage tank (UST) evaluation/closure and hazardous waste characterization/management. Subsurface activities performed include the completion of soil borings using various drilling technologies, soil and groundwater sampling, installation and sampling of groundwater monitoring wells, free product evaluations, exploratory trenching and real-time delineation using mobile analytical laboratories and other soil screening technology.
- Managed over 100 remediation or construction management related projects primarily related to source removal of subsurface contaminants, including but not limited to, petroleum hydrocarbons, chlorinated solvents, heavy metals, organochlorine pesticides and other agricultural related chemicals, dioxins and furans and polychlorinated biphenyls. Has also assisted in cost recovery efforts from private parties and State/Federal funding programs for environmental assessment and remediation work and has served as an expert witness during legal proceedings pertaining to environmental related claims.
- Strong collaboration and negotiation skills with environmental regulatory agencies regarding project planning, initiation, status, approvals and implementation. Direct experience in interfacing with members of regulatory agencies including but not limited to the United States Environmental Protection Agency (EPA), California EPA Department of Toxic Substances

Control and Office of Environmental Health Hazard Assessment, County of San Diego Departments of Environmental Health (DEH), Public Works and Planning and Land Use, San Diego Air Pollution Control District, South Coast Air Quality Management District, Riverside County DEH, San Francisco City and County Department of Public Health (DPH), Arizona Department of Environmental Quality, County of Los Angeles County DPH and other local Certified Unified Program Agencies. Develop, manage and implement compliance and best practices efforts with Federal and State laws and regulations.

- Conducted and/or managed hundreds of public/environmental health related assessments including electromagnetic field surveys, radionuclide surveys, indoor air quality investigations, radon surveys, drinking water assessments, asbestos containing materials and lead-based paint surveys and mold/microbial evaluations.
- Recovered over $10,000,000 of assessment and cleanup costs for clientele from various sources including State of California Cleanup Funds, United States Environmental Protection Agency Brownfield grants and private parties including major oil companies.
- Responsible for facilitating a safe and healthy work environment in concert with the mission of the company while ensuring compliance with applicable Federal, State, and local regulations.
- Published technical papers pertaining to geogenic concentrations of metals in San Diego County, radioactive dating and pollutant chronologies in estuarine sediments and various urban runoff related implications.
- Delivered presentations pertaining to various environmental topics including human health risk assessment to membership at local and national trade conferences

Project Experience (Projects Completed at Multiple Firms)

- 14th and Island, San Diego, California – Development of Site Mitigation Plan, contaminated soil management and disposal concurrent with site construction activities at the superblock construction site in downtown San Diego and achievement of regulatory closure with the County of San Diego Department of Environmental Health.
- 2198 Market Street, San Francisco, California – Phase I and II Environmental Site Assessments, supplemental subsurface investigation, Site Mitigation Plan development, contaminated soil management and disposal concurrent with site construction activities and negotiation/achievement of regulatory closure with the City of San Francisco Department of Public Health.
- Former EZ Serve, 9305 Mission Gorge Road, Santee, California – Closure report preparation and San Diego Regional Water Quality Control Board interface and negotiation/achievement of regulatory closure under State of California low-threat policy.
- French Field – Former Vista Burn Dump, Oceanside, California – Oversight of the capping of a former burn dump/landfill facility and restoration for public use as a sports facility. Negotiation and achievement of regulatory closure with the California Department of Toxic Substances Control with concurrence from the San Diego Regional Water Quality Control Board and the County of San Diego Local Enforcement Agency.
- Indoor Skydiving Facility, 1401 Imperial Avenue, San Diego, California – Development of Soil Management Plan and contaminated soil management and disposal concurrent with site construction activities in downtown San Diego.
- Lemon Grove Avenue Realignment Project, Lemon Grove, California – Development of Impacted Soil Management Plan, Community Health and Safety Plan and Worker Health and Safety Plan and oversight of the implementation of such plans during construction activities.
- North Side Interior Road and Utilities Project at San Diego International Airport, San Diego, California - Subsurface assessment, development of Soil Management Plan and Work Health and Safety Plan and implementation and monitoring of soil management strategies.
- Olympic and Hill, Los Angeles, California – Removal of multiple underground storage tanks and underlying contaminated soil and achievement of regulatory closure with the City of Los Angeles Fire Department.
- San Ysidro - U.S. Land Port of Entry, San Diego, California – Subsurface assessment and development and implementation of soil management strategies.
- VA Medical Center Long Beach, 5901 East 7th Street, Long Beach, California - VA Long Beach: Seismic Corrections – Mental Health, Community Living Center and Chiller Replacements Project – Asbestos containing materials and lead-based paint surveys and preparation of abatement contractor bid specifications.

INTIAL STUDY – APPENDIX E.2

Phase I Environmental Site Assessment



Phase I Environmental Site Assessment

480 Harley Knox Boulevard
Perris, California 92571

March 20, 2022

First Industrial Realty Trust, Inc., First Industrial, L.P.
First Industrial Acquisitions II, LLC, FR CA Property Holding 9, LP
and their Affiliates and Assigns
One North Wacker Drive, Suite 4200
Chicago, IL 60606

Project Number 23-02-013

Prepared by:

Weis ENVIRONMENTAL

1938 Kellogg Avenue, Suite 116
Carlsbad, CA 92008
(760) 585-7070
www.weisenviro.com

1938 Kellogg Avenue, Suite 116, Carlsbad, CA 92008
(760) 585-7070
www.weisenviro.com

March 20, 2023

Jason Steinhauer
Senior Environmental Risk Manager
First Industrial Realty Trust, Inc.
One North Wacker Drive, Suite 4200
Chicago, IL 60606

Subject: Phase I Environmental Site Assessment
480 Harley Knox Boulevard
Perris, California 92571
Project Number 23-02-013

Dear Mr. Steinhauer:

Weis Environmental, LLC has completed the contracted environmental consulting services for the above-referenced project. The services were performed in accordance with our proposal and agreement fully executed by all parties. The Phase I Environmental Site Assessment has been performed in accordance with American Society for Testing and Materials (ASTM) Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM Designation E1527-21 and Title 40 of the Code of Federal Regulations (40 CFR) Part 312. This assessment was also completed in accordance with the First Industrial Realty Trust Scope of Work for Phase I ESAs. We appreciate the opportunity to be of service to you on this project. Please contact us if you have any questions or comments regarding this report or if we can be of further assistance.

Sincerely,

Weis Environmental, LLC



Daniel Weis. R.E.H.S.
Environmental Manager

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1.0 INTRODUCTION

This report presents the methods and findings of a Phase I Environmental Site Assessment (ESA) of the property located at 480 Harley Knox Boulevard in the City of Perris, Riverside County, California (Subject Property) performed in conformance with the contract/agreement for this assignment and the scope and limitations of ASTM Standard Practice E1527-21 and United States Environmental Protection Agency (EPA) Standards and Practices for All Appropriate Inquiries (AAI) as published in 40 Code of Federal Regulations (CFR) Part 312. EPA promulgated the AAI rule that became effective in November 2006. An acknowledgment is pending by the EPA that the ASTM E1527-21 practice is consistent with the requirements of AAI and may be used to comply with the provisions of the AAI rule. As such, it should be noted that this report also complies with the previously published ASTM E1527-13 standard and for the purposes of this report, any statement regarding compliance with ASTM1527-21 is also an acknowledgment that the report complies with ASTM E1527-13 and the AAI rule. This assessment was also completed in accordance with the First Industrial Realty Trust Scope of Work for Phase I ESAs.

1.1 Purpose

The purpose of the ASTM E1527-21 practice (framework for this Phase I ESA) is to define good commercial and customary practice in the United States of America for conducting an ESA of a parcel of real estate with respect to the range of contaminants within the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) (Title 42 United States Code (U.S.C.) Section 9601)) and petroleum products. As such, this practice is intended to permit a user to satisfy one of the requirements to qualify for the innocent landowner, contiguous property owner, or bona fide prospective purchaser limitations on CERCLA liability (hereinafter, the "landowner liability protections," or "LLPs"): that is, the practice that constitutes all appropriate inquiries into the previous ownership and uses of the property consistent with good commercial and customary practice as defined at 42 U.S.C. Section 9601(35)(B).

In defining a standard of good commercial and customary practice for conducting this Phase I ESA of the Subject Property, the goal of the processes established by the ASTM E1527-21 practice is to identify, to the extent feasible, recognized environmental conditions. The term recognized environmental conditions is defined 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. In addition, controlled recognized environmental conditions, historical recognized environmental conditions and/or de minimis conditions, if identified during the completion of the assessment, are discussed herein. Definitions of these terms and other key terminology relevant to the practice are included in Section 14.0 of this report.

1.2 Scope of the Assessment

In general terms, this Phase I ESA included the acquisition of readily available/accessible and practically reviewable regulatory records and historical information, a site reconnaissance, interviews and preparation of this written report of findings. A more detailed description of the four primary components of the Phase I ESA is presented below.

Records Review - A review of Federal, State, Tribal and local standard ASTM and non-ASTM regulatory databases for a myriad of environmental identifiers including but not limited to properties with underground storage tanks (USTs), properties with leaking USTs, properties that have reported spills/releases that did not occur from a leaking UST, businesses that utilize hazardous materials and/or generate hazardous waste and hazardous waste disposal locations. The regulatory review may also include public records requests with one or more Federal, State, Tribal and/or local agencies. A review of historical sources is also completed to help ascertain previous land uses of the property in question and in the surrounding area.

Subject Property Reconnaissance - A property inspection and viewing of adjacent and surrounding properties for conditions that could be recognized environmental conditions.

Interviews - Interviews with present and past owners, operators and/or occupants of a property and local government officials.

Reporting - Evaluation of the information gathered during the completion of the Phase I ESA and the subsequent preparation of a written report.

1.3 Limitations and Exceptions

Concerns regarding liability under the Comprehensive Environmental Response, Compensation and Liability Act, 42 U.S.C. 9601 et seq. (CERCLA) and analogous State laws, have been a primary driver for Phase I ESA assignments in commercial real estate transactions. While the ASTM E1527-21 practice can be used in many contexts, a familiarity with CERCLA and its potential LLPs is critical in understanding and applying the ASTM E1527-21 practice. We advise consultation with legal counsel if further inquiry or information is desired.

AAI represents the minimum level of inquiry necessary to support the LLPs. However, it is important to understand that additional inquiry ultimately may be necessary or desirable for legal as well as business reasons depending upon the outcome of this inquiry and the particular risk tolerances of a given user. For example, additional inquiry may assist a user of a Phase I ESA in determining whether he or she would have continuing obligations in the event he or she acquires a given property and may also assist the user in defining the scope of future steps to be taken to satisfy such obligations. In addition, a user may be concerned about business environmental risks or non-scope ASTM considerations that do not fall within the definition of a recognized environmental condition. In addition, this assessment did not include subsurface or other invasive exploration, unless specifically documented herein. Users are also cautioned that Federal, State, Tribal and local laws may impose environmental assessment obligations that are beyond the scope of the ASTM E1527-21 practice.

The evaluation, opinion and conclusions presented herein are based solely on visual observations and regulatory, historical and personal knowledge related information that existed at the time our assessment was completed. The use of the gathered information is exclusively for the purposes outlined in this report and only for the Subject Property. Our firm can make no warranty, either express or implied, except that the services conducted were performed in accordance with generally accepted environmental assessment practices applicable at the time and location of the assessment and that the conclusions of the assessment have been based in part on professional judgment/experience, an interpretation of readily available data and the standard of care normally followed by similar professionals practicing in a similar locale and under similar circumstances. Any opinions presented cannot apply to Subject Property changes of which our firm is unaware and has not had the opportunity to evaluate. In addition, this report cannot feasibly include any evaluation of undocumented activities at the Subject Property or on adjacent or nearby properties. Lastly, a Phase I ESA meeting or exceeding

this practice and completed less than 180 days prior to the date of acquisition of a given property or (for transactions not involving an acquisition) the date of the intended transaction is presumed to be valid.

The sampling and analysis services provided by our firm have been performed in accordance with practices and standards generally accepted by environmental scientists practicing in this industry. No other warranty, either express or implied, is made. The results and conclusions described herein are based on a limited sampling effort and are not represented to identify any and all sources of environmental impacts that may exist at a given property. Environmental conditions at a given location may not be representative of conditions in other areas of a property. In addition, conditions may change at any particular location as a function of time in response to natural conditions, chemical reactions and other factors. Our conclusions regarding the condition of the Subject Property does not represent a warranty that all areas of the property are similar to those sampled. We are not responsible for the conclusions, opinions, or recommendations made by others based on the information obtained during our environmental assessment.

1.4 Special Terms and Conditions

This Phase I ESA was prepared in accordance with the terms and conditions of the contract/agreement for the work as executed between our firm and the client. There are no other special terms and conditions established between our firm and the client pertinent to the findings of this ESA or methodology used to complete this assessment. In addition, our firm has no final or other vested interest in the Subject Property or adjacent/surrounding properties, or in any entity that owns or occupies the Subject Property or adjacent/surrounding properties.

1.5 Limiting Conditions and Deviations

There were no significant limiting conditions that would inhibit our ability to identify recognized environmental conditions noted during the completion of this assessment. In addition, there were no deviations from the ASTM E1527-21 standard noted during the completion of this assessment. Any limiting conditions that are not considered to be ones that would inhibit our ability to identify recognized environmental conditions at the Subject Property are referenced in applicable sections of this report.

1.6 Data Failure and Data Gaps

No instances of data failure were encountered during the completion of this assessment. In addition, no data gaps of significance (i.e., those that would inhibit our ability to identify recognized environmental conditions) were identified during the completion of this assessment. Any data gaps that are not considered to be ones that would inhibit our ability to identify recognized environmental conditions at the Subject Property are referenced in applicable sections of this report.

1.7 Reliance

This report has been prepared for the exclusive use of First Industrial Realty Trust, Inc., First Industrial, LP, First Industrial Acquisitions II, LLC, FR CA Property Holding 9, LP and their Affiliates and Assigns (User). This report may not be relied upon by any other person or entity without the written consent of both our firm and our client. The scope of services performed for this assessment may not be appropriate to satisfy the specific needs of other users, and any use or reuse of this document would

be at the sole risk of said users. Any other party seeking liability protection under CERCLA must take independent action to accomplish its objective.

2.0 SUBJECT PROPERTY DESCRIPTION

2.1 Location and Legal Description

The Subject Property is a reported 4.1 acres and located generally north of Harley Knox Boulevard, south of E Oleander Avenue (unimproved), east of N Webster Avenue and west of Indian Avenue. The Subject Property is further identified by Riverside County Assessor's Parcel Number 302-020-032. A Vicinity Map is included as Figure 1. A Site Plan is included as Figure 2.

2.2 Subject Property and Vicinity Characteristics

The Subject Property is situated in an area comprised of vacant land and commercial/light industrial land uses. March Air Force Base is situated to the northwest of the Subject Property.

2.3 Current Use of the Subject Property

The Subject Property is currently used for commercial purposes (fully developed). A retail establishment (The TenCo Dispensary) is present within the eastern portion of the building that is constructed at the Subject Property.

2.4 Description of Subject Property Improvements

The Subject Property is developed with a reported 41,357 square foot (according to the assessor record), single-story concrete tilt-up building constructed in 2007. An office mezzanine is present in the western portion of the building. The building is constructed on a concrete slab-on-grade foundation. Other portions of the Subject Property consist of asphalt paved parking areas, concrete paving and various utility systems.

2.5 Utilities

Utilities that are reported to be present at the Subject Property or provide service in the surrounding area are noted below along with their municipal provider where applicable.

Utility	Provider (Where Applicable)
Potable Water	Eastern Municipal Water District.
Sewage Maintenance	Eastern Municipal Water District.
Electrical	Southern California Edison.
Natural Gas	Southern California Gas.
Solid Waste Disposal	CR&R Waste Services – Perris.

2.6 Description of Adjoining Properties

Adjoining properties are defined as any real property or properties, the border of which is contiguous or partially contiguous with that of the subject property of a Phase I ESA, or that would be contiguous or partially contiguous with that of a subject property but for a street, road, or other public thoroughfare separating them. To the extent feasible, our firm performed a visual inspection of adjoining properties from the Subject Property boundaries and along public right of ways. We did not encroach on to

adjoining private property during the completion of this assessment. The following table identifies the adjoining property uses:

Direction	Adjoining Property Use
North	Vacant land.
South	Harley Knox Boulevard, then commercial and industrial development (495 Harley Knox Boulevard – IAA-ACE and 4770 Indian Avenue – All American Asphalt).
East	Indian Avenue, then commercial development (Triad Magnetics – 460 Harley Knox Boulevard and Koyorad - 440 Harley Knox Boulevard).
West	Vacant land. Note a portion of March Air Force Base is present northwest of the Subject Property.

2.7 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the land use of the Subject Property and improvements at the Subject Property. In addition, the land uses of adjoining properties and properties in the vicinity of the Subject Property do not represent recognized environmental conditions to the Subject Property.

3.0 PHYSICAL SETTING

3.1 Topography

The Subject Property is depicted on the United States Geological Survey (USGS) topographic map for the Perris, California 7.5-minute quadrangle. The Subject Property is shown on the map as being situated at an elevation of approximately 1,465 feet above mean sea level. The Subject Property and surrounding area appear to trend slightly to the south. There are no improvements or structures depicted on the Subject Property on the map. Adjoining and surrounding roadways are depicted on the map. The Subject Property as depicted on a topographic map is included as Figure 3.

3.2 Hydrology

The Subject Property is situated within the Perris South Hydrologic Area (HA) of the San Jacinto River Basin Hydrologic Unit. There are no known substantial hydrologic features at the Subject Property including major storm drain inlets or obvious drainages, channels, or surface waters. Infiltration of precipitation at the Subject Property is considered to be insignificant due to its improved nature. Any excess water would appear to flow as surface runoff to the west and streets/roadways and surrounding areas of lower elevation. The Subject Property does not appear to receive significant drainage from off-site properties.

3.3 Geology

General geologic information pertaining to the Subject Property is presented in the table below.

Geologic Consideration	Details
California Geomorphic Province	Peninsular Ranges.
Mapped Soils or Formation	Older alluvium, lake, playa and terrace deposits.
Description of Soils or Formation	Slightly to moderately consolidated silts, sands and gravel.
Distance/Direction to Mapped Faults	No known faults are present on the Subject Property. Segments of the San Jacinto Fault and Elsinore Fault are located to the north and south of the Subject Property, respectively.

3.4 Hydrogeology

General hydrogeologic information pertaining to the Subject Property is presented in the table below.

Hydrogeologic Consideration	Details
Groundwater Basin or Unit	Perris South HA.
Beneficial Uses	Municipal and agricultural.
Estimated Depth to Groundwater	Anticipated to be greater than 50 feet below the surface.
Estimated Flow of Groundwater	South to southeast.

Hydrogeologic Consideration	Details
Known Subject Property or Regional Groundwater Contamination Issues	None.

3.5 Oil and Gas Exploration

According to online resources provided by the California Department of Conservation, Geologic Energy Management Division (CalGEM), there are no oil, gas or geothermal wells located on the Subject Property or its adjacent properties.

3.6 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with Subject Property physical setting considerations. In addition, physical setting considerations related to the adjoining properties and properties in the vicinity of the Subject Property do not represent recognized environmental conditions to the Subject Property.

4.0 USER PROVIDED INFORMATION

A representative of the User of this report was interviewed during the completion of this assessment. The questions posed during the interview are defined by the ASTM E1527-21 practice. The User also provided our firm with any land title records and judicial records that may be available for the Subject Property as part of the required evaluation for environmental liens and activity and use limitations (AULs) in connection with the subject property of a Phase I ESA. As stated in the ASTM E1527-21 practice, it is the responsibility of the user of the report to provide any available records pertaining to environmental liens and AULs that may exist in connection with a given property. Any land title and judicial records provided to our firm are discussed below. If such information is not discussed in the sections below, it was not provided by the user of the report.

In addition to the contact information obtained, the user of the report was also asked if they are aware of other useful documents that may exist and if so whether copies can be provided to the environmental professional within reasonable time and cost constraints. A list of typical useful documents is included in Section 10.8.1 of the ASTM E1527-21 practice and include but are not limited to environmental assessment reports, compliance audits and permits, registrations for tank and other aboveground or underground systems, safety plans, spill prevention and other facility related plans and geological/geotechnical studies and environmental governmental agency notices and/or correspondence.

4.1 Title Records

The User reported that title records pertaining to the Subject Property were reviewed, and no environmental liens or AULs were identified**.**

4.2 Environmental Liens

The User is unaware of environmental liens in connection with the Subject Property.

4.3 Activity and Use Limitations

The User is unaware of AULs in connection with the Subject Property.

4.4 Specialized or Actual Knowledge or Experience

The User is unaware of specialized knowledge, actual knowledge or experience that is material to recognized environmental conditions in connection with the Subject Property.

4.5 Commonly Known or Reasonably Ascertainable Information

The User is unaware of commonly known or reasonably ascertainable information within the local community that is material to recognized environmental conditions in connection with the Subject Property.

4.6 Valuation Reduction for Environmental Issues

The User is unaware of information pertaining to an undervalued purchase price of the Subject Property relative to the estimated fair market value of the Subject Property due to the presence of contamination.

4.7 Owner, Property Manager, and Occupant Information

The Subject Property parcels are currently owned and managed by Perris Harley Knox. A retail establishment (The TenCo Dispensary) is present within the eastern portion of the building that is constructed at the Subject Property.

4.8 Reason for Performing Phase I ESA

The User has commissioned this Phase I ESA as part of a proposed real estate transaction (acquisition and development). The Phase I ESA is also being completed to assist the client in complying with 40 CFR Part 312.

4.9 Proceedings Involving the Subject Property

The User is unaware of pending, threatened, or past litigation and administrative proceedings relevant to hazardous substances or petroleum products in, on, or from the Subject Property. The client is also unaware of notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products in connection with the Subject Property.

4.10 Other Provided Documents

Our firm was provided with a prior Phase I ESA of the Subject Property dated December 21, 2021. The report was prepared by Gabriel Environmental Group on behalf of Preferred Bank. It was concluded in the report that no evidence or indication of recognized environmental conditions, historical recognized environmental conditions or controlled recognized environmental conditions had been revealed. No further assessment or investigation was deemed necessary.

4.11 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the user provided information.

5.0 REGULATORY RECORDS REVIEW

Our firm commissioned the preparation of a regulatory database report from Environmental Data Resources, Inc. (EDR) as part of the regulatory records review. EDR searches a myriad of Federal, State, and local government environmental databases during the preparation of their deliverables. Certain databases are specifically required by the ASTM E1527-21 practice and are referenced as "standard ASTM regulatory databases." Such databases are searched to at least the minimum search distance around a given property as defined in the practice. Other regulatory databases are also searched that are not specifically referenced in ASTM E1527-21. Such databases are referenced as "non-ASTM regulatory databases" and are searched as varying radii around a given property as selected by EDR.

Descriptions of each database searched and the dates that the regulatory databases were last updated by the applicable agencies are included in the EDR report. The extent of historical information varies with each database and current information is determined by what is publicly available to EDR at the time of an updates. EDR updates databases in accordance with ASTM E1527-21 which states that government information from nongovernmental sources may be considered current if the source updates the information at least every 90 days, or, for information that is updated less frequently than quarterly by the government agency, within 90 days of the date the government agency makes the information available to the public.

Our firm also reviewed unplottable sites listed in the database report by cross-referencing reasonably ascertainable information pertaining to such properties that may include facility names, street names, zip codes or other information. Unplottable sites are ones that cannot be formally mapped or geocoded due to various reasons, including limited geographic information. Any unplottable sites that we identify within the specified search radii have been evaluated as part of the preparation of this report. A copy of the regulatory database report is included in Appendix B.

5.1 Standard ASTM Regulatory Database Search

The tables below present the standard Federal, State, Tribal and local ASTM databases that were searched by EDR including the search distances from the Subject Property. Below the tables are descriptions of any listings for the Subject Property that may appear in the databases. In addition, a discussion of adjoining properties or properties in the Subject Property vicinity that are listed in one or more regulatory databases that in our professional judgment and opinion have the potential to adversely impact the Subject Property due to current or former releases of hazardous substances and/or petroleum products that occurred at said properties is presented. This practice of discussing only properties of potential environmental concern to the Subject Property is noted in ASTM E1527-21 which states that the environmental professional may make statements applicable to multiple properties listed in regulatory databases that are not likely to have current or former releases of hazardous substances and/or petroleum products with the potential to migrate to the a given subject property. Our professional judgment and opinions discussed herein are based on several factors including the nature of the regulatory database listings, distance of the off-site listed properties from the Subject Property, orientation of the listed properties relative to the Subject Property, interpreted the direction of groundwater flow and/or regulatory case status information for the various properties as described in the databases.

The following Federal standard ASTM databases were searched:

Standard Environmental Record Source Name	Regulatory Database Identification	Search Distance from Subject Property (Miles)
Lists of Federal National Priorities List (NPL) (Superfund) sites	NPL – Proposed NPL – NPL LIENS	1.0
Lists of Federal Delisted NPL sites	Delisted NPL	0.5
Lists of Federal sites subject to CERCLA removals and CERCLA orders	FEDERAL FACILITY – SEMS	0.5
Lists of Federal CERCLA sites with No Further Remedial Action Planned (NFRAP)	SEMS-ARCHIVE	0.5
Lists of Federal Resource Conservation and Recovery Act (RCRA) facilities undergoing Corrective Action	CORRACTS	1.0
Lists of Federal RCRA Treatment, Storage and Disposal (TSD) facilities	RCRA-TSDF	0.5
Lists of Federal RCRA generators	RCRA-LQG – RCRA-SQG – RCRA-VSQG – RCRA NON GEN/NLR	0.25
Federal institutional control/engineering control registries	LUCIS – US ENG CONTROLS – US INST CONTROLS	0.5
Federal Emergency Response Notification System (ERNS) List	ERNS	Subject Property
Lists of Federal brownfield sites	US BROWNFIELDS	0.5

Subject Property – The Subject Property is not listed on the standard Federal ASTM regulatory databases.

Adjoining Properties – Two adjoining properties are listed on the standard Federal ASTM regulatory databases as described below:

- **Interinsurance Exchange of The Automobile Club (775 Harley Knox Boulevard)** - This south-adjacent property is listed on the RCRA NONGEN/NLR database. The business is identified by EPA ID CAL000452880. No violations or incidents indicative of releases of hazardous substances or petroleum products to the subsurface were referenced in the database listing. This property is not considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the property from the Subject Property, orientation of the property relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory status information.
- **All American Asphalt (4770 Indian Avenue)** - This south-adjacent property is listed on the RCRA NONGEN/NLR database. The business is identified by EPA ID CAL000335241. No violations or incidents indicative of releases of hazardous substances or petroleum products to the subsurface were referenced in the database listing. This property is not considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the property from the Subject Property, orientation of the property relative to the

Subject Property, interpreted direction of groundwater flow and/or regulatory status information.

Other Properties – There are four listings on the standard Federal ASTM regulatory databases pertaining to properties in the surrounding area including NPL (one listing) SEMS (one listing), US ENG CONTOLS (one listing) and US INST CONTROLS (one listing). The listings pertain March Air Force Base, which is present approximately 2,000 feet to the northwest of the Subject Property. The base reportedly covers approximately 7,000 acres and has historically served as a training base and refueling operations base. Operations (including aircraft maintenance and repair) reportedly involved use and disposal of various chemicals and wastes including chlorinated solvents. Various areas of concern have been identified and affected by spills/releases from historical base operations. The Air Force is the responsible party for remediation and investigation pursuant to a 1995 Record of Decision under the oversight of the United States EPA, Regional Water Quality Control Board and Department of Toxic Substances Control. Three zones of groundwater contamination beneath the base were identified and wells on base were shut down in the late 1980s and were later properly destroyed. Groundwater contamination has migrated to wells located off base that are no longer in use. However, a groundwater containment system has been installed to prevent off-property groundwater migration and the off-property plume is being monitored. The base's long-term cleanup is ongoing and more recent assessment work in connection with the base has focused on per- and polyfluoroalkyl substances (PFAS) as emerging contaminants of concern.

Primary areas of concern in connection with the base are known as Operable Units (OU). The closest OU to the Subject Property is identified as "Site 38 Building 1305 PCB Contamination" and is mapped approximately one mile to the north-northwest of the Subject Property. The myriad of other OUs are situated over one-mile from the Subject Property and primarily hydrologically cross-gradient from the Subject Property. Based on a review of the 2019 Five-Year Review Report and December 2020 Per and Polyfluoroalkyl Substances (PFAS) Site Inspection Report, no groundwater contamination from March Air Force Base has reportedly migrated to the Subject Property, although impacts have been documented in the surrounding area. Given that PFAS is not a CERCLA hazardous substance and there is no documented or suspected use or release of PFAS at the Subject Property, this finding is not considered to be a recognized environmental condition. Furthermore, groundwater is anticipated to be over 50 feet below the ground surface and no water wells are present on the Subject Property. The Subject Property is serviced by municipal water sources. The Air Force is the Responsible Party for addressing the documented PFAS groundwater contamination under the oversight of the US EPA, the Water Board and the DTSC; therefore, no further action/investigation is warranted by the User for this finding. The March Air Force Base PFAS plume will not impact the intended utilization of the Subject Property.

The following State, Tribal and local standard ASTM databases were searched:

Standard Environmental Record Sources Name	Regulatory Database Identification	Search Distance from Subject Property (Miles)
Lists of state-and tribal "Superfund" equivalent sites	RESPONSE	1.0
Lists of state-and tribal hazardous waste facilities	ENVIROSTOR	0.5
Lists of state and tribal landfills and solid waste disposal facilities	SWF/LF – WMUDS/SWAT – SWRCY – INDIAN ODI – DEBRIS REGION 9 – IHS OPEN DUMPS –	0.5

Standard Environmental Record Sources Name	Regulatory Database Identification	Search Distance from Subject Property (Miles)
Lists of state and tribal leaking storage tanks	LUST – INDIAN LUST – CPS-SLIC	0.5
Lists of state and tribal registered storage tanks	FEMA UST – UST – AST – INDIAN UST – SWEEPS UST – HIST UST – CA FID UST – CERS TANKS –	0.25
State and tribal institutional control/engineering control registries	DEED	0.5
Lists of state and tribal voluntary cleanup sites	VCP – INDIAN VCP	0.5
Lists of state and tribal brownfield sites	BROWNFIELDS	0.5
Local Agency Databases	CERS – CERS HAZ WASTE – CUPA LISTINGS	0.001 to 0.25

Subject Property – The Subject Property is not listed on the State, Tribal and local standard ASTM regulatory databases.

Adjoining Properties – The previously referenced All American Asphalt property is listed on several of the databases including AST, CERS HAZ WASTE, CERS TANKS and CERS. The listings pertain to general hazardous waste and materials management and the use of USTs. No violations or incidents indicative of releases of hazardous substances or petroleum products to the subsurface were referenced in the database listing. This property is not considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the property from the Subject Property, orientation of the property relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory status information. No other adjoining properties are listed on the State, Tribal and local standard ASTM regulatory databases.

Other Properties – There are three listings on the State, Tribal and local standard ASTM regulatory databases in the surrounding area including ENVIROSTOR (two listings) and SWF/LF (one listing). None of these properties are considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the off-site listed properties from the Subject Property, orientation of the listed properties relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory case status information for the various properties as described in the databases.

5.2 Non-ASTM Regulatory Database Search

A myriad of non-ASTM regulatory databases was searched by EDR as noted in the regulatory database report.

Subject Property – The Subject Property is listed on the non-ASTM HWTS, HAZNET and FINDS non-ASTM HAZNET regulatory databases as Temp Power Systems. This former occupant generated two containers of hazardous waste in 2013 with waste codes of 214 (liquid solvent mixture) and 352 (organic solids) under and EPA ID CAC002717042. No references to chlorinated solvents are noted and the business does not appear on databases indicative of releases of hazardous substances or petroleum products to the subsurface. This former business and waste generation is not considered a recognized environmental condition in connection with the Subject Property.

Adjoining Properties – The previously referenced All American Asphalt property is listed on two of the databases (HAZNET and CIWQS). The HAZNET listing pertains to hazardous waste generation and the CIWQS listing pertains to stormwater related permitting and other related considerations. No violations or incidents indicative of releases of hazardous substances or petroleum products to the subsurface were referenced in the database listings. This property is not considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the property from the Subject Property, orientation of the property relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory status information. No other adjoining properties are listed on the non-ASTM regulatory databases.

Other Properties – The previously referenced March Air Force Base is listed on the non-ASTM ROD, DOD, PRP and PFAS NPL non-ASTM regulatory databases. As stated previously, this property is not considered to be a recognized environmental condition to the Subject Property. In addition, there are three listings on the non-ASTM regulatory databases in the surrounding area including HIST Cal-Sites (one listing), PFAS (one listing) and CA BOND EXP. PLAN (one listing). None of these properties are considered a recognized environmental condition to the Subject Property. This opinion is based on the distance of the off-site listed properties from the Subject Property, orientation of the listed properties relative to the Subject Property, interpreted direction of groundwater flow and/or regulatory case status information for the various properties as described in the databases.

5.3 Regulatory Agency File Reviews

If a property being assessed under a Phase I ESA or any of the adjoining properties are identified on one or more of the above referenced standard environmental record sources, pertinent regulatory files and/or records associated with such listings should be reviewed to assist the environmental professional in evaluating if recognized environmental conditions existing at a given subject property in connection with any listings. However, if in the environmental professional's opinion, such a review is not warranted, file reviews need not be conducted if the environmental professional provides justification for not doing so.

Agency file reviews for the Subject Property completed during this assessment are noted below. No file reviews for adjoining properties or properties in the surrounding area were deemed warranted with the exception of research completed on the State Water Resources Control Board GeoTracker database regarding properties in the surrounding area of the Subject Property. The agency inquiries were performed by way of on-line searches/queries of published databases and/or direct inquiries with public records clerks at one or more agencies. Both Daniel Weis and Samantha Weis of Weis Environmental conducted the agency file reviews during the completion of this assessment. Copies of regulatory agency records are included in Appendix C.

Regulatory Agency	Jurisdiction	Date of Inquiry or Request	Contact	Response or Information from Agency
United States EPA Envirofacts/ECHO/ TRIS	Federal	2/15/2023	Online https://enviro.epa.gov/ https://echo.epa.gov/facilities/facility-search https://www.epa.gov/toxics-release-inventory-tri-program	No Records Identified

Regulatory Agency	Jurisdiction	Date of Inquiry or Request	Contact	Response or Information from Agency
California DTSC	State	2/15/2023	Online https://www.envirostor.dtsc.ca.gov/public https://hwts.dtsc.ca.gov/report_list.cfm Public Records Clerk	No Records Identified
State Water Resources Control Board/Regional Water Quality Control Board	State	2/15/2023	Online https://geotracker.waterboards.ca.gov/ https://geotracker.waterboards.ca.gov/historical_ust_facilities Public Records Clerk	No Records Identified
Riverside County	Local	2/15/2023	Public Records Clerks	No Records Identified
City of Perris	Local	2/15/2023	Public Records Clerk	Records Identified

As shown in the table above, with the exception of the City of Perris, no records pertaining to the Subject Property were identified with the various agencies contacted. City of Perris records included several building permits for structural related considerations, utilities, signs, occupancy, etc. No records of environmental concern were identified.

5.4 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the regulatory records searches. In addition, regulatory resources related to the adjoining properties and properties in the vicinity of the Subject Property do not represent recognized environmental conditions to the Subject Property.

6.0 HISTORICAL RESOURCE REVIEW

The objective of consulting historical sources is to develop a history of the previous uses of a property and surrounding area, in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with a given property. The goal of the historical research is to identify all obvious uses of a subject property from the present, back to the property's first developed use, or back to 1940, whichever is earlier. The environmental professional exercises professional judgment in reviewing only as many of the standard historical sources referenced in ASTM E1527-21 that are deemed necessary, are reasonably ascertainable and are likely to be useful. Historical resources reviewed during the completion of this assessment are referenced below. Copies of the historical resources are included in Appendix D.

6.1 Aerial Photographs

We reviewed historical aerial photographs ranging in date from 1938 to 2016 provided by EDR. The table below presents the results of the photograph review.

Photograph Year	Subject Property Observations	Adjoining Property Observations
1938-1997	The Subject Property is utilized for agricultural purposes.	Primarily agricultural development with increasing structures visible in the 1990s.
2002	The Subject Property is vacant and undeveloped.	Primarily vacant and undeveloped or used for agricultural purposes with some structures visible.
2006-2016	The Subject Property is under construction or in its current configuration.	Vacant and undeveloped land, agricultural properties and commercial/light-industrial properties.

As stated above, the Subject Property has been historically used for agricultural purposes. During historical agricultural activities throughout the State of California, various pesticides and more specifically organochlorine pesticides were commonly applied during the normal course of agricultural operations. Such compounds have since been banned from production and use in the United States. Based on the regulatory and historical research completed during the preparation of this assessment, no information has been revealed that would lead us to believe that an accidental spill or release of pesticide products has occurred at the Subject Property. As such, the potential presence of residual agricultural chemicals in Subject Property soils is not considered to be a recognized environmental condition in connection with the Subject Property.

6.2 Topographic Maps

We reviewed historical topographic maps ranging in date from 1901 to 2018 provided by EDR. The Subject Property and its adjoining properties are vacant on all of the maps. March Air Force Based is mapped to the northwest on maps beginning in 1953.

6.3 City Directories

Our firm reviewed city directories dated ranging in date from 1971 to 2017 provided by EDR. The Subject Property is listed as Corix Water Products Inc. in a 2014 directory. Adjoining and nearby

properties are referenced as various business names of no environmental concern beginning in 2010. None of the listings are considered a recognized environmental condition to the Subject Property.

6.4 Fire Insurance Maps

There are no fire insurance maps published for the Subject Property and its adjoining properties.

6.5 Other Historical Sources

Other historical sources are referenced in the ASTM E1527-21 practice as any source or sources other than the standard historical sources referenced in the practice that are credible to a reasonable person and that identify past uses of a subject property. This category includes, but is not limited to miscellaneous maps and directories, newspaper archives, internet sites, community organizations, local libraries, historical societies, current owners or occupants of neighboring properties, or records in the files and/or personal knowledge of the property owner and/or occupants. No historical sources other than the standard sources described above were deemed necessary and useful to assist in identifying recognized environmental conditions.

6.6 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the historical resources reviewed. In addition, historical resources related to the adjoining properties and properties in the vicinity of the Subject Property did not reveal recognized environmental conditions to the Subject Property.

7.0 SUBJECT PROPERTY RECONAISSANCE

The objective of the Subject Property reconnaissance is to obtain information indicating the likelihood of identifying recognized environmental conditions in connection with a subject property. The Subject Property visit for our assessment was completed on February 17, 2023, by Daniel Weis. We were unaccompanied during the reconnaissance.

7.1 Methodology and Limiting Conditions

The Subject Property reconnaissance consisted of observing the Subject Property on foot via various transects and walking publicly accessible areas surrounding the Subject Property. No significant limiting conditions of the Subject Property inspection were noted. Select photographs of the Subject Property obtained during the Subject Property reconnaissance are included in Appendix E.

7.2 Current General Subject Property and Vicinity Characteristics

The Subject Property is situated in an area comprised of vacant land and commercial/light industrial land uses. March Air Force Base is situated to the northwest of the Subject Property. The Subject Property is currently used for commercial purposes (fully developed). A retail establishment (The TenCo Dispensary) is present within the eastern portion of the building that is constructed at the Subject Property. The current use of the Subject Property and adjoining properties are not ones that are indicative of the use, treatment, storage disposal or generation of hazardous substances or petroleum products that may have significantly impacted the Subject Property.

7.3 Indications of Past Subject Property and Vicinity Uses

There are no material differences between the current and past uses of the Subject Property, adjoining properties and the surrounding area Subject Property that were visually and/or physically observed during the Subject Property reconnaissance that pertain to recognized environmental conditions.

7.4 Subject Property-Specific Observations

We examined the Subject Property for the features and conditions noted in the table below.

Feature or Condition	Details
General Description of Structures	The Subject Property is developed with a reported 41,357 square foot (according to the assessor record), single-story concrete tilt-up building constructed in 2007. An office mezzanine is present in the western portion of the building. The building is constructed on a concrete slab-on-grade foundation. Other portions of the Subject Property consist of asphalt paved parking areas, concrete paving and various utility systems.
Drains and Sumps	Interior floor drains were observed in restroom areas. Exterior area storm drains are also present at the Subject Property. No staining, odors or other suspect conditions were noted.
Heating/Cooling Systems	Conventional roof mounted systems/forced-air units.
Potable Water Supply	Eastern Municipal Water District.

Feature or Condition	Details
Roads	None on the Subject Property. Harley Knox Boulevard and Indian Avenue are located on the south and east side of the Subject Property, respectively.
Septic Systems / Sewage Disposal System	Eastern Municipal Water District.
Wastewater and Stormwater Discharges	None observed.
Wells	None observed.
Drums	A few plastic 55-gallon drums labeled as containing phosphoric acid were observed in the warehouse area. Some of the drums appears to be partially filled with liquids. No staining, odors or other suspect conditions were noted.
Electrical or Hydraulic Equipment Known to Contain PCBs or Likely to Contain PCBs	None observed.
Hazardous Substances and Petroleum Products in Connection with Identified Uses	Retail and industrial sized plastic totes of paint products were observed at the Subject Property. No staining, odors or other suspect conditions were noted.
Hazardous Substance and Petroleum Products Not Necessarily in Connection with Identified Uses	None observed.
Odors	None noted.
Pits, Ponds or Lagoons	None observed.
Pools of Liquid	None observed.
Solid Waste (Including Fill Material)	Solid waste is disposed of in typical dumpsters. No staining, odors or other suspect conditions were noted.
Stained Soil or Pavement	None observed.
Stains or Corrosion	None observed.
Chemical Storage Tanks	None observed.
Stressed Vegetation	None observed.
Unidentified Substance Containers	None observed.

7.5 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the current use of the Subject Property during the Subject Property reconnaissance. In addition, no current uses of the adjoining properties or properties in the surrounding area that were visually and/or physically observed during the Subject Property reconnaissance were noted as recognized environmental conditions to the Subject Property.

8.0 INTERVIEWS

8.1 Subject Property Owner

The Subject Property is currently owned by Perris Harley Knox. The Subject Property owner is reportedly unaware of environmental concerns in connection with the Subject Property.

8.2 Key Site Manager

The Subject Property owner is also considered to be the Key Site Manager. Please refer to Section 8.1 above.

8.3 Current Occupants

A retail establishment (The TenCo Dispensary) is present within the eastern portion of the building. A representative of this business was interviewed during the Subject Property reconnaissance and was unaware of environmental concerns in connection with the Subject Property.

8.4 Local Government Official

During the preparation of this assessment, public records clerks from the City of Perris, State of California and Riverside County were contacted by our firm regarding the Subject Property. Agency representatives indicated that public records requests should be conducted in order to obtain information known by the agencies regarding the Subject Property. Public records requests were completed by our firm as described in Section 5.3.

8.5 Other Parties

Interviews with other persons were not conducted during the preparation of this assessment. As stated in the ASTM E1527-21 practice, interviews with past owners, operators and occupants of a subject property who are likely to have material information regarding the potential for contamination at a given property shall be conducted to the extent that they have been identified and that the information likely to be obtained is not duplicative of information already obtained from other sources. Interviews with persons with past association with the Subject Property were not deemed warranted during the completion of this assessment.

8.6 Summary Relative to Environmental Concerns

No recognized environmental conditions were noted in connection with the interviews completed during the assessment.

9.0 ADDITIONAL SERVICES – NON-SCOPE ASTM CONSIDERATIONS

Several non-scope ASTM considerations are referenced in the ASTM E1527-21 practice that a user of a report may wish to evaluate. Listed considerations in the practice include asbestos-containing building materials, biological agents, cultural and historic resources, ecological resources, endangered species, health and safety, indoor air quality (unrelated to releases of hazardous substances or petroleum products into the environment), industrial hygiene, lead-based paint, lead in drinking water, mold, radon, regulatory compliance and wetlands. No implication is intended by the practice as to the relative importance of inquiry into such non-scope considerations, and the list of considerations is not intended to be all-inclusive.

Asbestos and Lead-Based Paint – An asbestos and lead-based paint survey has been completed for the Subject Property concurrent with this Phase I ESA. The results of the survey have been provided to the client under separate cover. No asbestos or lead was found at the Subject Property.

Landmark/Historical/Cultural Significance Review – Archeological/cultural and paleontological assessments of the Subject Property have been conducted and are being submitted to the client under separate cover. No findings of significance were reported.

Lead in Drinking Water - According to the most recent water quality report prepared by the City of Perris, the drinking water supplied to the area is in compliance with all Federal and State regulations.

Mold Screening – No indications of mold or water intrusion were noted within the building at the Subject Property with the exception of some water stained ceiling tiles in the western mezzanine area. The building at the Subject Property is slated for future demolition, and the presence of water stained ceiling tiles in the vacant western office mezzanine area is not considered to be a significant finding.

National Pollution Discharge Elimination System (NPDES) – We are unaware of current NPDES related requirements that pertain to the Subject Property.

Per- and Polyfluoroalkyl Substances (PFAS) – There are no historical or current Subject Property or adjoining property uses that are indicative of scenarios where releases of such compounds have occurred. Furthermore, no regional groundwater plumes are documented to impact the Subject Property.

Pipelines – Based on a review of the National Pipeline Mapping System. No pipelines used for the conveyance of oil, gas or other hazardous substances are present at the Subject Property.

Radon Potential - The Subject Property is located within United States EPA Radon Zone 2 which has predicted average indoor levels of radon between 2 and 4 picocuries per liter. Radon is not considered to be a concern at the Subject Property.

Wellfield/Groundwater Protection Areas – The Subject Property is not situated in a known wellfield/groundwater protection area.

Wetlands and Threatened/Endangered Species - A biological assessment of the Subject Property has been completed concurrently with this Phase I ESA. The results of the study have been provided to the client under separate cover. No wetlands were noted at the Subject Property and no significant biological findings were reported.

No other additional services were completed by our firm during the preparation of this assessment.

10.0 FINDINGS AND OPINIONS

No features and/or conditions indicating the presence or likely presence of hazardous substances and/or petroleum products at the Subject Property that are considered to have the potential to adversely impact the Subject Property were identified during the completion of this assessment.

11.0 CONCLUSIONS AND RECOMMENDATIONS

We have performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM International Practice E1527-21 of the Subject Property located at 480 Harley Knox Boulevard in the City of Perris, Riverside County, California. Any exceptions to, or deletions from, this practice are described in Section 1.5 of this report. This assessment has revealed no evidence of recognized environmental conditions, controlled recognized environmental conditions or historical recognized environmental conditions in connection with the Subject Property. Additional assessment at the Subject Property is not considered to be warranted at this time.

12.0 ENVIRONMENTAL PROFESSIONAL STATEMENT

I declare that, to the best of my professional knowledge and belief, I meet the definition of environmental professional as defined in Section 312.10 of 40 CFR. I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. I have developed and performed all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Qualifications of personnel involved with the completion of this report are included in Appendix F.



Daniel Weis, R.E.H.S.
Environmental Manager

13.0 ASSUMPTIONS

No Phase I ESA effort can eliminate uncertainty regarding the potential for recognized environmental conditions to exist in connection with a given property. Performance of the ASTM E1527-21 practice may reduce such uncertainty but in no way should the findings and report be misconstrued as insurance or a guarantee regarding the potential for recognized environmental conditions in connection with a given property. The ASTM E1527-21 practice recognizes reasonable limits of time and cost relative to the completion of a Phase I ESA.

During the completion of this ESA, our firm relied on certain information obtained from secondary sources, including but not limited to the user of the report, government agencies, historical research business entities, environmental databases, and interviews with one or more persons. The sources obtained and/or consulted are assumed to be reliable. However, our firm cannot warranty or guarantee that the information provided by these other sources is wholly accurate or complete. Our firm is not responsible for any misrepresentations or false statements that may be provided by others or the lack of pertinent/relevant information that should have been provided/disclosed by others, and we assume no responsibility for any consequence as a result of such omissions or withheld information.

Accuracy and completeness of records varies among information sources, including from governmental agencies. As a result, there is a possibility that even with the proper application of the methodologies presented in ASTM E1527-21, conditions may exist that could not be identified within the scope of this assessment, or which were not reasonably identifiable from the available information. In addition, any responses received from Federal, State, Tribal, and local regulatory agency secondary sources of information after the issuance of this report may change certain findings and conclusions of this report.

Estimations and opinions regarding the potential for off-site properties to adversely impact a given subject property is one of the key components of a Phase I ESA. In most cases, recent property-specific or adjacent-property specific measured groundwater data or other hydrogeological information is not reasonably ascertainable. In the absence of such data, reasonable assumptions regarding the depth and flow of groundwater are made based on various sources including comparisons to surface elevations, land topography and available hydrogeological on the State of California Geotracker database. In addition, estimations and opinions regarding potential impacts from off-site locations may be based on certain assumptions that a hazardous substance or petroleum product may not migrate laterally within unsaturated soil for a substantial distance and that contaminants that have reached saturated soil and groundwater may attenuate over time and/or may decrease in concentration relative to distance from its source. While any interpretations presented herein may be effective in reducing uncertainty regarding potential impacts to a subject property from off-site locations, in no way should the findings and report be misconstrued as insurance or a guarantee regarding the potential for such impacts to occur. Greater certainty regarding subsurface conditions at a given property can only be achieved by way of a subsurface sampling effort of one or more media.

14.0 DEFINITIONS

Definitions of key terminology relevant to the ASTM E1527-21 practice are presented below.

Recognized Environmental Condition - 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.

Controlled Recognized Environmental Condition - 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).

Data Failure - A failure to achieve the historical research objectives as outlined in the ASTM E1527-21 practice even after reviewing the standard historical sources that are reasonably ascertainable and likely to be useful. Data failure is one type of data gap.

Data Gap - A lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by the ASTM E1527-21 practice, including, but not limited to site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). Data gaps are only considered to be significant if they affect the ability of the environmental professional to identify recognized environmental conditions.

De Minimis Condition - A condition that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

Environment - (A) the navigable waters, the waters of the contiguous zone, and the ocean waters of which the natural resources are under the exclusive management authority of the United States under the Magnuson-Stevens Fishery Conservation and Management Act [16 U.S.C. §§ 1801 et seq.], and (B) any other surface water, groundwater, drinking water supply, land surface or subsurface strata, or ambient air within the United States or under the jurisdiction of the United States.

Good Faith - The absence of any intention to seek an unfair advantage or to defraud another party; an honest and sincere intention to fulfill one's obligations in the conduct or transaction concerned.

Hazardous Substance - Includes hazardous substances designated under section 311 of the Clean Water Act (CWA) or Section 102 of CERCLA, any toxic pollutant listed under Section 307(a) of the CWA, any waste that has been listed as a RCRA hazardous waste or possesses a RCRA hazardous waste characteristic, any substance that is identified as a hazardous pollutant under Section 112 of the Clean Air Act (CAA), and any imminently hazardous chemical that EPA has taken action pursuant to Section 7 of the Toxic Substances Control Act (TSCA).

Historical Recognized Environmental Condition - A past release of any hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority or

meeting unrestricted use criteria established by a regulatory authority, without subjecting the property in question to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

Petroleum Exclusion – While the definition of a CERCLA hazardous substance specifically excludes petroleum products and crude oil, the EPA has determined that the petroleum exclusion applies to petroleum products such as gasoline and other fuels containing lead, benzene or other hazardous substances that are normally added during the refining process. Notwithstanding the existence of the petroleum exclusion, petroleum products are included within the scope of the ASTM E1527-21 practice for multiple reasons. Petroleum products have historically been widely used at commercial properties. In addition, other federal and state laws may impose liability for releases or spills of petroleum products.

Reasonably Ascertainable Information - Information that is (1) publicly available, (2) obtainable from its source within reasonable time and cost constraints and (3) practically reviewable.

Release or Threatened Release - Spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping or disposing into the environment (including the abandonment or discarding of barrels, containers and other closed receptacles containing any hazardous substance, or pollutant or contaminant).

15.0 REFERENCES

Sources of information consulted during the completion of our Phase I ESA are noted in the sections below.

15.1 Documents, Plans and Reports

- All Appropriate Inquiry" as necessary to satisfy the defenses available under 42 U.S.C. §§ 9607(b)(3), 9607(r)(1), and 9607(q), relying on definitions provided at 42 U.S.C. §§ 9601(35)(B); and as further explained in 40 CFR §§ 312.1 – 312.31.
- ASTM International, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E 1527-21, 2021
- California Geological Survey, 2002, California Geomorphic Provinces Note 36, Electronic Copy, Revised December.
- California State Water Resources Control Board, Water Quality Control Plan for the Santa Ana River Basin (8), California, Published 2008.
- EDR Database Report dated February 13, 2023.
- EDR Aerial Photographs, City Directories and Topographic Maps.
- USGS topographic map, Perris, California Quadrangle (2018).

15.2 Personal Communications

- Public Records Clerks – City of Perris, County of Riverside, State of California

15.3 Agencies Consulted

- California Department of Conservation, Geologic Energy Management Division (CalGEM)
- California Department of Toxic Substances Control
- California State Water Resources Control Board
- City of Perris
- County of Riverside
- United States EPA

FIGURES

FIGURE 1
VICINITY MAP

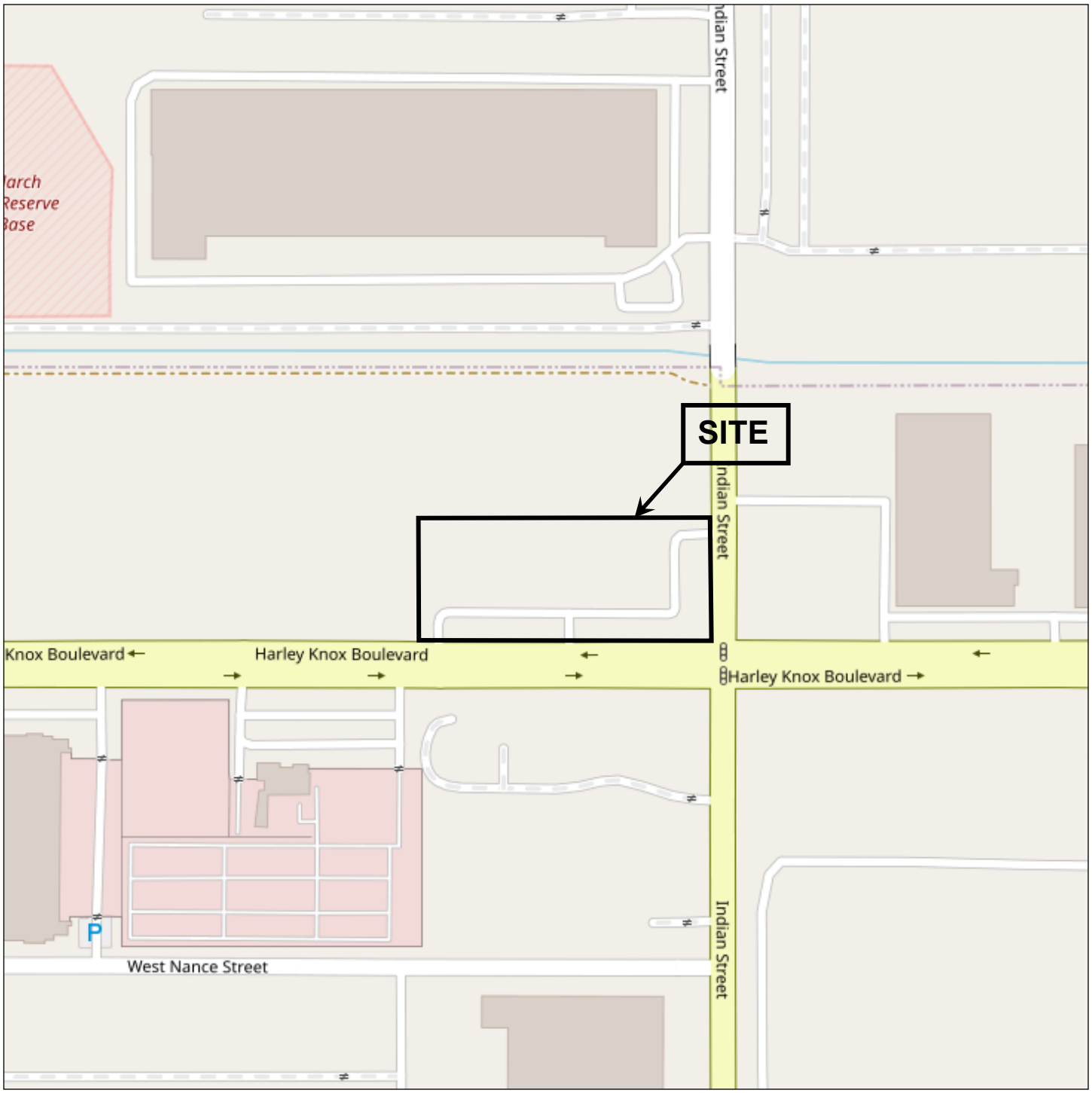


Figure 1 - Vicinity Map

480 Harley Knox Boulevard
Perris, California

N

Prepared by:

Weis Environmental
1938 Kellogg Avenue, Suite 116
Carlsbad, CA 92008

FIGURE 2
SITE PLAN



Figure 2 - Site Plan

480 Harley Knox Boulevard
Perris, California

N

Prepared by:

Weis Environmental
1938 Kellogg Avenue, Suite 116
Carlsbad, CA 92008

Weis ENVIRONMENTAL

FIGURE 3
TOPOGRAPHIC MAP

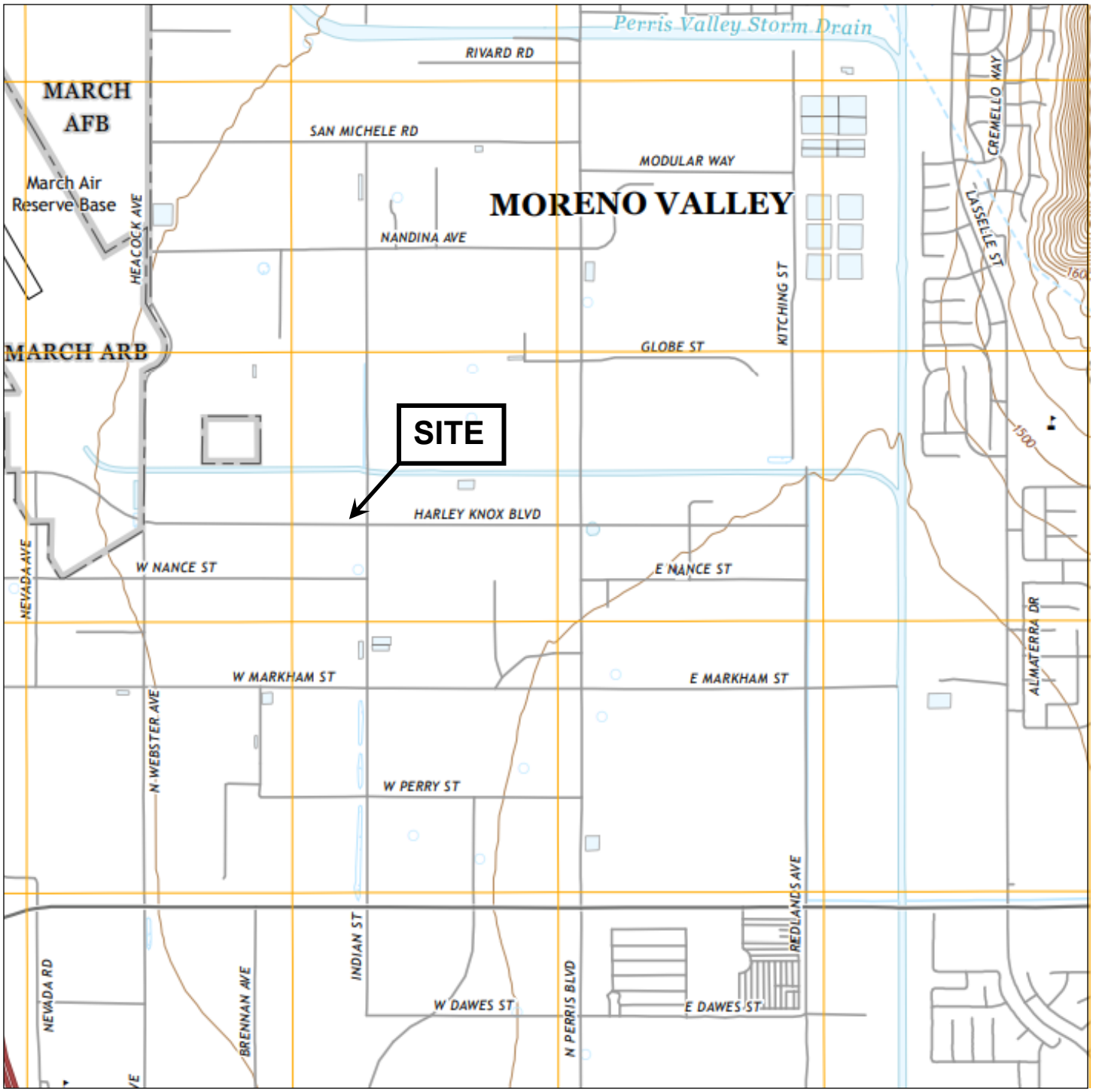


Figure 3 - Topographic Map

480 Harley Knox Boulevard
Perris, California

N

Prepared by:

Weis Environmental
1938 Kellogg Avenue, Suite 116
Carlsbad, CA 92008

Weis ENVIRONMENTAL

APPENDICES

APPENDIX A
USER PROVIDED INFORMATION

Due Diligence Environmental Questionnaire – ***Client***

480 Harley Knox, Perris, California

Return to dw@weisenviro.com

Completed by: Jason Steinhauer

Company or Organization: First Industrial

Title Senior Environmental Risk Manager

Date: 2/13/23

1.) Are you aware of any environmental cleanup liens that are filed or recorded against the subject property?

None to my knowledge

2.) Are you aware of any activity and land use limitations that are in place on the property that have been filed or recorded in a registry?

None to my knowledge

3.) Are you aware of any specialized knowledge or experience related to the property or nearby properties that is pertinent to potential adverse environmental conditions?

None to my knowledge. See historical reports provided by Seller for information on nearby properties.

4.) Does the proposed purchase price to be paid reasonably reflect the fair market rate for this type of property?

Unknown.

5.) If there is a significant difference between the proposed purchase price and fair market value, have you considered whether the proposed purchase price is due to known or suspect contamination at the property?

—

6.) Are you aware of commonly known or reasonably obtainable information that would help us to identify conditions indicative of releases or threatened releases of hazardous wastes/materials at the property? Such information includes knowledge of specific chemicals that are present or were once present on the property, spills or other chemicals releases that may have occurred, underground or aboveground storage tanks and environmental cleanups that have been conducted on the property.

Please see historical reports provided by the Seller.

7.) Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of contamination at the property?

None to my knowledge. Please see historical reports provided by the Seller.

APPENDIX B
REGULATORY DATABASE REPORT

480 Harley Knox Boulevard
480 Harley Knox Boulevard
Perris, CA 92571

Inquiry Number: 7251113.2s
February 13, 2023

The EDR Radius Map™ Report

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

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Map Findings	9
Orphan Summary	208
Government Records Searched/Data Currency Tracking	GR-1

GEOCHECK ADDENDUM

GeoCheck - Not Requested

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E1527-21), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

480 HARLEY KNOX BOULEVARD
PERRIS, CA 92571

COORDINATES

Latitude (North):	33.8577720 - 33ˆ 51' 27.97''
Longitude (West):	117.2359140 - 117ˆ 14' 9.29''
Universal Tranverse Mercator:	Zone 11
UTM X (Meters):	478177.1
UTM Y (Meters):	3746217.2
Elevation:	1470 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	12015907 PERRIS, CA
Version Date:	2018
Southwest Map:	12015925 STEELE PEAK, CA
Version Date:	2018

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20140603
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
480 HARLEY KNOX BOULEVARD
PERRIS, CA 92571

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1	TEMP POWER SYSTEMS	480 HARLEY KNOX BLVD	HAZNET, HWTS		TP
Reg	MARCH ARB		DOD	Same	780, 0.148, WNW
Reg	MARCH ARB		DOD	Same	2095, 0.397, West
Reg	MARCH AIR FORCE BASE	22 CSG/CC	NPL, SEMS, RCRA-LQG, US ENG CONTROLS, US INST...	Same	2153, 0.408, WNW
A2	TEMP POWER SYSTEMS	480 OLEANDER AVE	FINDS	Higher	1 ft.
B3	ALL AMERICAN ASPHALT	4770 INDIAN AVE	AST, CERS HAZ WASTE, CERS TANKS, HAZNET, CIWQS,...	Lower	163, 0.031, NE
B4	ALL AMERICAN ASPHALT	4770 INDIAN AVE	RCRA NonGen / NLR	Lower	163, 0.031, NE
5	INTERINSURANCE EXCHA	775 HARLEY KNOX BLVD	RCRA NonGen / NLR	Higher	332, 0.063, WSW
6	WELL 59 - INDIAN AVE		PFAS	Lower	551, 0.104, SSE
7	420-1 LLC DBA BETTER	420 HARLEY KNOX BLVD	RCRA NonGen / NLR	Lower	590, 0.112, East
8	KAISER PERMANENTE SC	17825 INDIAN STREET	RCRA NonGen / NLR	Higher	810, 0.153, NNE
C9	MORENO VALLEY TRANSF	17700 INDIAN ST	RCRA-SQG, SWF/LF, HAULERS, CDL, FINDS, ECHO, ICE,...	Higher	2020, 0.383, NNE
C10	MORENO VALLEY SOLID		LOS ANGELES CO LF METHANE	Higher	2281, 0.432, North
11	MEADE VALLEY ELEMENT	21-100 OLEANDER AVEN	ENVIROSTOR, SCH	Lower	3693, 0.699, East
D12	MARCH AIR FORCE BASE		CA BOND EXP. PLAN	Higher	4482, 0.849, NW
D13	MARCH AIR RESERVE BA	3,545 ACRES; EAST OF	ENVIROSTOR, HIST Cal-Sites	Higher	4482, 0.849, NW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
TEMP POWER SYSTEMS 480 HARLEY KNOX BLVD PERRIS, CA 92571	HAZNET GEPAID: CAC002717042 HWTS	N/A

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Lists of Federal Delisted NPL sites

Delisted NPL ---------- National Priority List Deletions

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE ---------- Superfund Enterprise Management System Archive

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS ---------- Corrective Action Report

Lists of Federal RCRA TSD facilities

RCRA-TSDF ---------- RCRA - Treatment, Storage and Disposal

Lists of Federal RCRA generators

RCRA-LQG ---------- RCRA - Large Quantity Generators
RCRA-SQG ---------- RCRA - Small Quantity Generators
RCRA-VSQG ---------- RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

EXECUTIVE SUMMARY

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

Federal ERNS list

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

Lists of state- and tribal (Superfund) equivalent sites

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

Lists of state and tribal leaking storage tanks

LUST ---------- Geotracker's Leaking Underground Fuel Tank Report
INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
CPS-SLIC ---------- Statewide SLIC Cases

Lists of state and tribal registered storage tanks

FEMA UST ---------- Underground Storage Tank Listing
UST ---------- Active UST Facilities
INDIAN UST ---------- Underground Storage Tanks on Indian Land

Lists of state and tribal voluntary cleanup sites

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

Lists of state and tribal brownfield sites

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

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

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

Local Lists of Landfill / Solid Waste Disposal Sites

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

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---------- Delisted National Clandestine Laboratory Register
SCH ---------- School Property Evaluation Program

CDL ---- Clandestine Drug Labs
Toxic Pits ---- Toxic Pits Cleanup Act Sites
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

SWEEPS UST ---- SWEEPS UST Listing
HIST UST ---- Hazardous Substance Storage Container Database
CA FID UST ---- Facility Inventory Database

Local Land Records

LIENS ---- Environmental Liens Listing
LIENS 2 ---- CERCLA Lien Information
DEED ---- Deed Restriction Listing

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
CHMIRS ---- California Hazardous Material Incident Report System
LDS ---- Land Disposal Sites Listing
MCS ---- Military Cleanup Sites Listing
SPILLS 90 ---- SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS ---- Formerly Used Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR ---- Financial Assurance Information
EPA WATCH LIST ---- EPA WATCH LIST
2020 COR ACTION ---- 2020 Corrective Action Program List
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System
SSTS ---- Section 7 Tracking Systems
RMP ---- Risk Management Plans
RAATS ---- RCRA Administrative Action Tracking System
PRP ---- Potentially Responsible Parties
PADS ---- PCB Activity Database System
ICIS ---- Integrated Compliance Information System
FTTS ---- FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS ---- Material Licensing Tracking System
COAL ASH DOE ---- Steam-Electric Plant Operation Data
COAL ASH EPA ---- Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER ---- PCB Transformer Registration Database
RADINFO ---- Radiation Information Database
HIST FTTS ---- FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS ---- Incident and Accident Data
CONSENT ---- Superfund (CERCLA) Consent Decrees
INDIAN RESERV ---- Indian Reservations
FUSRAP ---- Formerly Utilized Sites Remedial Action Program
UMTRA ---- Uranium Mill Tailings Sites
LEAD SMELTERS ---- Lead Smelter Sites
US AIRS ---- Aerometric Information Retrieval System Facility Subsystem
US MINES ---- Mines Master Index File

EXECUTIVE SUMMARY

ABANDONED MINES	Abandoned Mines
UXO	Unexploded Ordnance Sites
ECHO	Enforcement & Compliance History Information
DOCKET HWC	Hazardous Waste Compliance Docket Listing
FUELS PROGRAM	EPA Fuels Program Registered Listing
PFAS NPL	Superfund Sites with PFAS Detections Information
PFAS FEDERAL SITES	Federal Sites PFAS Information
PFAS TSCA	PFAS Manufacture and Imports Information
PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing
PFAS ATSDR	PFAS Contamination Site Location Listing
PFAS WQP	Ambient Environmental Sampling for PFAS
PFAS NPDES	Clean Water Act Discharge Monitoring Information
PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing
PFAS ECHO FIRE TRAINING	Facilities in Industries that May Be Handling PFAS Listing
PFAS PART 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing
AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing
AQUEOUS FOAM	Former Fire Training Facility Assessments Listing
Cortese	"Cortese" Hazardous Waste & Substances Sites List
CUPA Listings	CUPA Resources List
DRYCLEANERS	Cleaner Facilities
EMI	Emissions Inventory Data
ENF	Enforcement Action Listing
Financial Assurance	Financial Assurance Information Listing
ICE	ICE
HIST CORTESE	Hazardous Waste & Substance Site List
HWP	EnviroStor Permitted Facilities Listing
HWT	Registered Hazardous Waste Transporter Database
MINES	Mines Site Location Listing
MWMP	Medical Waste Management Program Listing
NPDES	NPDES Permits Listing
PEST LIC	Pesticide Regulation Licenses Listing
PROC	Certified Processors Database
Notify 65	Proposition 65 Records
UIC	UIC Listing
UIC GEO	UIC GEO (GEOTRACKER)
WASTEWATER PITS	Oil Wastewater Pits Listing
WDS	Waste Discharge System
WIP	Well Investigation Program Case List
MILITARY PRIV SITES	MILITARY PRIV SITES (GEOTRACKER)
PROJECT	PROJECT (GEOTRACKER)
WDR	Waste Discharge Requirements Listing
CIWQS	California Integrated Water Quality System
CERS	CERS
NON-CASE INFO	NON-CASE INFO (GEOTRACKER)
OTHER OIL GAS	OTHER OIL & GAS (GEOTRACKER)
PROD WATER PONDS	PROD WATER PONDS (GEOTRACKER)
SAMPLING POINT	SAMPLING POINT (GEOTRACKER)
WELL STIM PROJ	Well Stimulation Project (GEOTRACKER)
MINES MRDS	Mineral Resources Data System

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

EXECUTIVE SUMMARY

EDR Hist Auto---------- EDR Exclusive Historical Auto Stations
EDR Hist Cleaner---------- EDR Exclusive Historical Cleaners

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF---------- Recovered Government Archive Solid Waste Facilities List
RGA LUST---------- Recovered Government Archive Leaking Underground Storage Tank

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH AIR FORCE BASE Cerclis ID:: 902761 EPA Id: CA4570024527	***22 CSG/CC***	***WNW 1/4 - 1/2 (0.408 mi.)***	***0***	***11***

Lists of Federal sites subject to CERCLA removals and CERCLA orders

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 SEMS

site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH AIR FORCE BASE	***22 CSG/CC***	***WNW 1/4 - 1/2 (0.408 mi.)***	***0***	***11***
Site ID: 0902761				
EPA Id: CA4570024527				

Federal institutional controls / engineering controls registries

US ENG CONTROLS: A listing of sites with engineering controls in place.

A review of the US ENG CONTROLS list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 US ENG CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH AIR FORCE BASE	***22 CSG/CC***	***WNW 1/4 - 1/2 (0.408 mi.)***	***0***	***11***
EPA ID:: CA4570024527				
EPA ID:: CA4570024527				

US INST CONTROLS: A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

A review of the US INST CONTROLS list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 US INST CONTROLS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH AIR FORCE BASE	***22 CSG/CC***	***WNW 1/4 - 1/2 (0.408 mi.)***	***0***	***11***
EPA ID:: CA4570024527				

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

A review of the ENVIROSTOR list, as provided by EDR, and dated 10/24/2022 has revealed that there are 2 ENVIROSTOR sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH AIR RESERVE BA	***3,545 ACRES; EAST OF***	***NW 1/2 - 1 (0.849 mi.)***	***D13***	***168***

Facility Id: 33970004
Status: Active

Lower Elevation	Address	Direction / Distance	Map ID	Page
MEADE VALLEY ELEMENT	***21-100 OLEANDER AVEN***	***E 1/2 - 1 (0.699 mi.)***	***11***	***165***

Facility Id: 33820011
Status: No Action Required

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the Integrated Waste Management Board's Solid Waste Information System (SWIS) database.

A review of the SWF/LF list, as provided by EDR, has revealed that there is 1 SWF/LF site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MORENO VALLEY TRANSF	***17700 INDIAN ST***	***NNE 1/4 - 1/2 (0.383 mi.)***	***C9***	***93***

Database: LOS ANGELES CO. LF, Date of Government Version: 10/07/2022
Database: SWF/LF (SWIS), Date of Government Version: 11/03/2022
Facility ID: 33-AA-0234
Site ID: 2755
Status: Active
Operational Status: Active
Regulation Status: Permitted

Lists of state and tribal registered storage tanks

AST: A listing of aboveground storage tank petroleum storage tank locations.

A review of the AST list, as provided by EDR, has revealed that there is 1 AST site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALL AMERICAN ASPHALT	***4770 INDIAN AVE***	***NE 0 - 1/8 (0.031 mi.)***	***B3***	***56***

Database: AST, Date of Government Version: 07/06/2016

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Hazardous waste / Contaminated Sites

HIST Cal-Sites: Formerly known as ASPIS, this database contains both known and potential hazardous

substance sites. The source is the California Department of Toxic Substance Control. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

A review of the HIST Cal-Sites list, as provided by EDR, and dated 08/08/2005 has revealed that there is 1 HIST Cal-Sites site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH AIR RESERVE BA	***3,545 ACRES; EAST OF***	***NW 1/2 - 1 (0.849 mi.)***	***D13***	***168***

CERS HAZ WASTE: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

A review of the CERS HAZ WASTE list, as provided by EDR, and dated 01/05/2023 has revealed that there is 1 CERS HAZ WASTE site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALL AMERICAN ASPHALT	***4770 INDIAN AVE***	***NE 0 - 1/8 (0.031 mi.)***	***B3***	***56***

Local Lists of Registered Storage Tanks

CERS TANKS: List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

A review of the CERS TANKS list, as provided by EDR, and dated 01/06/2023 has revealed that there is 1 CERS TANKS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALL AMERICAN ASPHALT	***4770 INDIAN AVE***	***NE 0 - 1/8 (0.031 mi.)***	***B3***	***56***

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 11/21/2022 has revealed that there are 4 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INTERINSURANCE EXCHA EPA ID:: CAL000452880	775 HARLEY KNOX BLVD	WSW 0 - 1/8 (0.063 mi.)	5	77
KAISER PERMANENTE SC EPA ID:: CAC003149253	17825 INDIAN STREET	NNE 1/8 - 1/4 (0.153 mi.)	8	91

Lower Elevation	Address	Direction / Distance	Map ID	Page
ALL AMERICAN ASPHALT	4770 INDIAN AVE	NE 0 - 1/8 (0.031 mi.)	B4	75

EPA ID:: CAL000335241				
420-1 LLC DBA BETTER EPA ID:: CAL000452938	420 HARLEY KNOX BLVD	E 0 - 1/8 (0.112 mi.)	7	88

DOD: Consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

A review of the DOD list, as provided by EDR, and dated 06/07/2021 has revealed that there are 2 DOD sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH ARB		WNW 1/8 - 1/4 (0.148 mi.)	0	11
MARCH ARB		W 1/4 - 1/2 (0.397 mi.)	0	11

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 10/27/2022 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH AIR FORCE BASE EPA ID:: CA4570024527	***22 CSG/CC***	***WNW 1/4 - 1/2 (0.408 mi.)***	***0***	***11***

FINDS: The Facility Index System contains both facility information and "pointers" to other sources of information that contain more detail. These include: RCRIS; Permit Compliance System (PCS); Aerometric Information Retrieval System (AIRS); FATES (FIFRA [Federal Insecticide Fungicide Rodenticide Act] and TSCA Enforcement System, FTTS [FIFRA/TSCA Tracking System]; CERCLIS; DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes); Federal Underground Injection Control (FURS); Federal Reporting Data System (FRDS); Surface Impoundments (SIA); TSCA Chemicals in Commerce Information System (CICS); PADS; RCRA-J (medical waste transporters/disposers); TRIS; and TSCA. The source of this database is the U.S. EPA/NTIS.

A review of the FINDS list, as provided by EDR, and dated 08/03/2022 has revealed that there is 1 FINDS site within approximately 0.001 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TEMP POWER SYSTEMS Registry ID:: 110066791001	480 OLEANDER AVE	0 - 1/8 (0.000 mi.)	A2	56

PFAS: A listing of PFAS contaminated sites included in the GeoTracker database.

A review of the PFAS list, as provided by EDR, and dated 08/31/2022 has revealed that there is 1 PFAS site within approximately 0.25 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
WELL 59 - INDIAN AVE		SSE 0 - 1/8 (0.104 mi.)	6	80

EXECUTIVE SUMMARY

CA BOND EXP. PLAN: Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

A review of the CA BOND EXP. PLAN list, as provided by EDR, and dated 01/01/1989 has revealed that there is 1 CA BOND EXP. PLAN site within approximately 1 mile of the target property.

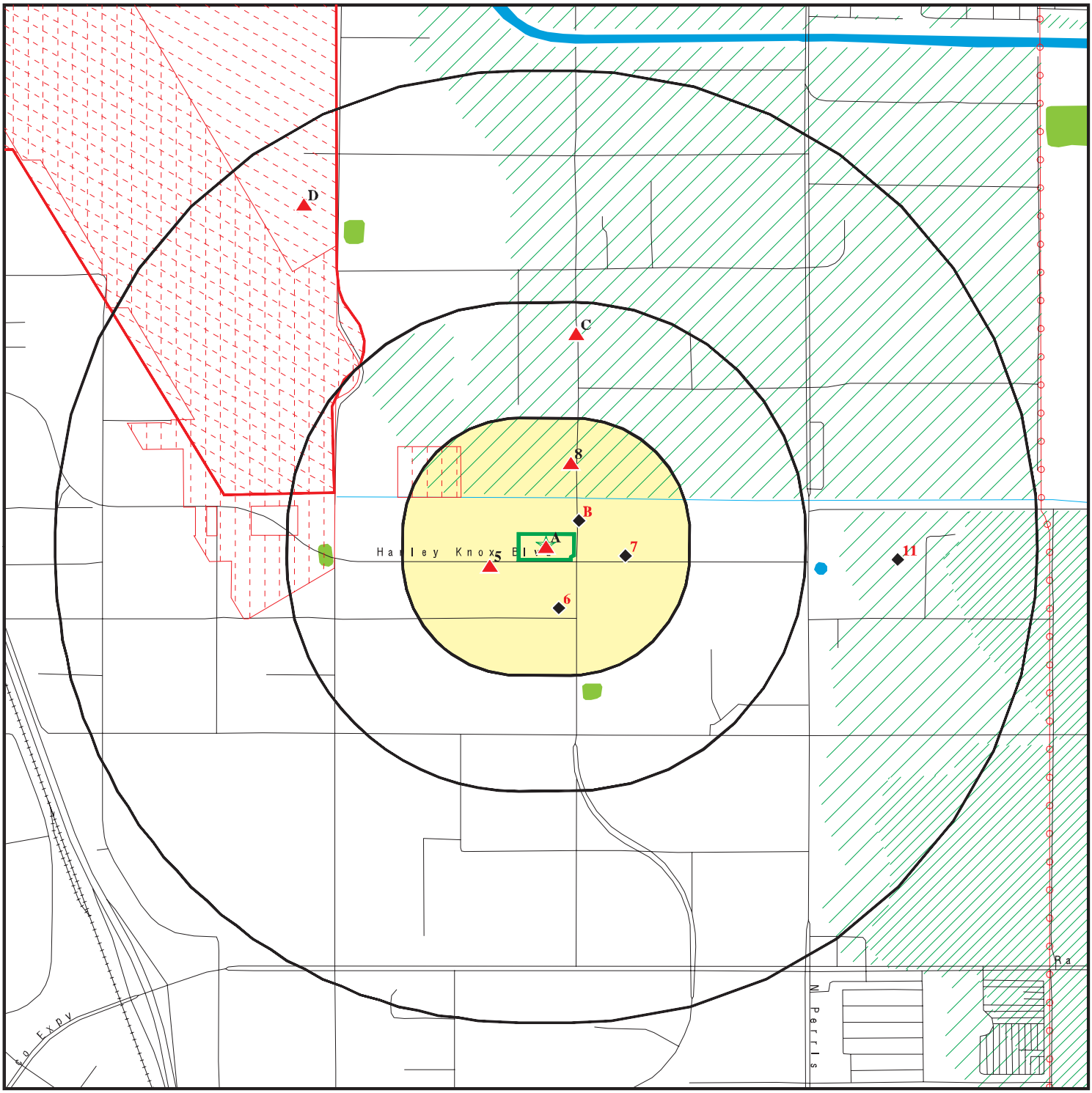
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARCH AIR FORCE BASE		NW 1/2 - 1 (0.849 mi.)	D12	167

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 6 records.

Site Name	Database(s)
CI WELLNESS, LLC	CERS HAZ WASTE, CERS
CRG-LCI HARLEY KNOX	RCRA NonGen / NLR
CRG-LCI HARLEY KNOX	RCRA NonGen / NLR
CRG-LCI HARLEY KNOX	FINDS
FUTURE TRUCK TERMINAL	CPS-SLIC
CRG-LCI HARLEY KNOX	ECHO

OVERVIEW MAP - 7251113.2S



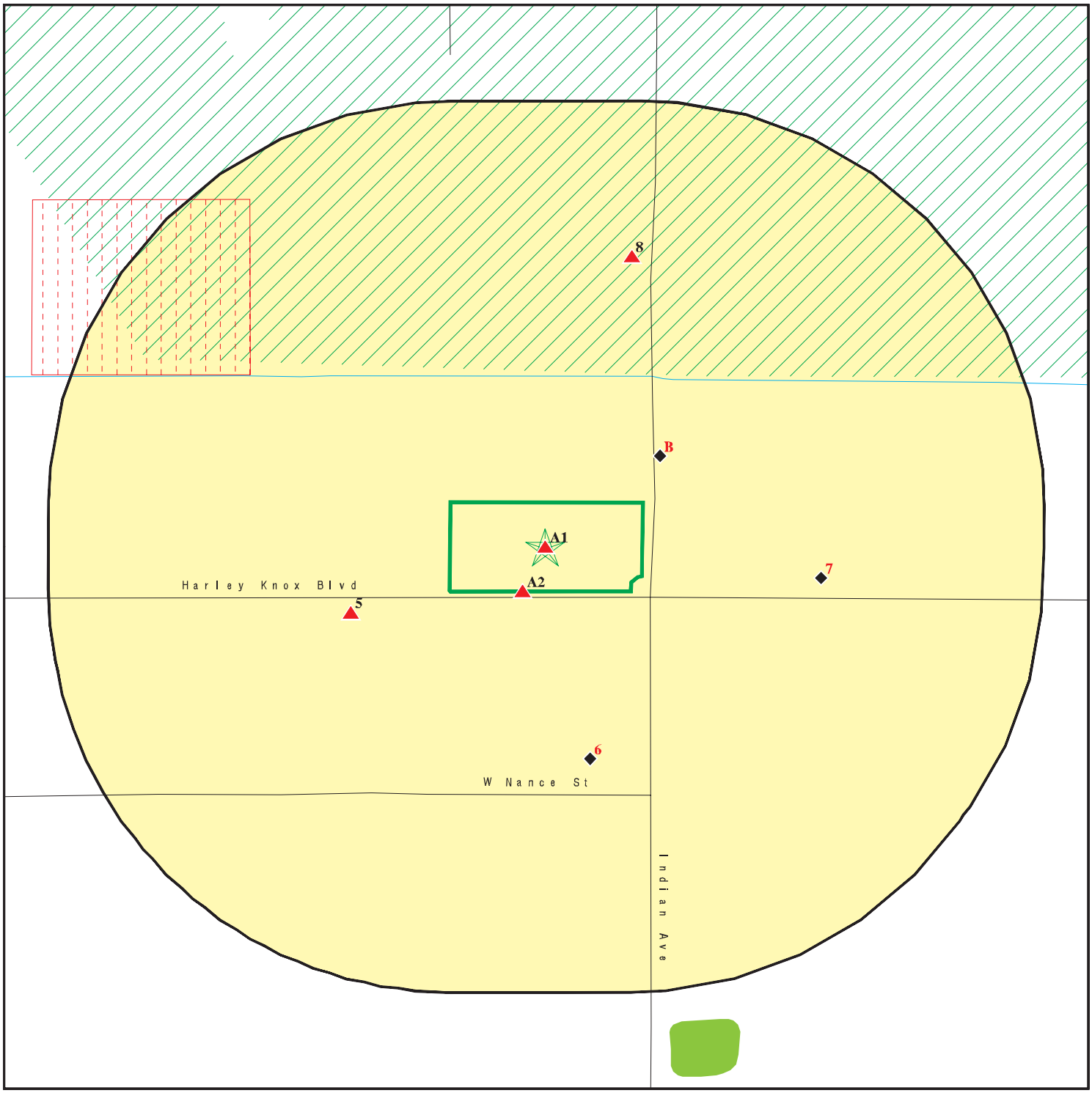
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- Special Flood Hazard Area (1%)
- 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:	480 Harley Knox Boulevard	CLIENT:	Weis Environmental
ADDRESS:	480 Harley Knox Boulevard Perris CA 92571	CONTACT:	Dan Weis
		INQUIRY #:	7251113.2s
LAT/LONG:	33.857772 / 117.235914	DATE:	February 13, 2023 1:20 pm

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DETAIL MAP - 7251113.2S



- 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

0 1/16 1/8 1/4 Miles

- Indian Reservations BIA
- 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: 480 Harley Knox Boulevard ADDRESS: 480 Harley Knox Boulevard Perris CA 92571 LAT/LONG: 33.857772 / 117.235914	CLIENT: Weis Environmental CONTACT: Dan Weis INQUIRY #: 7251113.2s DATE: February 13, 2023 1:21 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Lists of Federal NPL (Superfund) sites								
NPL	1.000		0	0	1	0	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	1.000		0	0	0	0	NR	0
Lists of Federal Delisted NPL sites								
Delisted NPL	1.000		0	0	0	0	NR	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	1	NR	NR	1
Lists of Federal CERCLA sites with NFRAP								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA facilities undergoing Corrective Action								
CORRACTS	1.000		0	0	0	0	NR	0
Lists of Federal RCRA TSD facilities								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Lists of Federal RCRA generators								
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
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	1	NR	NR	1
US INST CONTROLS	0.500		0	0	1	NR	NR	1
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
Lists of state- and tribal (Superfund) equivalent sites								
RESPONSE	1.000		0	0	0	0	NR	0
Lists of state- and tribal hazardous waste facilities								
ENVIROSTOR	1.000		0	0	0	2	NR	2
Lists of state and tribal landfills and solid waste disposal facilities								
SWF/LF	0.500		0	0	1	NR	NR	1

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
Lists of state and tribal leaking storage tanks								
LUST	0.500		0	0	0	NR	NR	0
INDIAN LUST	0.500		0	0	0	NR	NR	0
CPS-SLIC	0.500		0	0	0	NR	NR	0
Lists of state and tribal registered storage tanks								
FEMA UST	0.250		0	0	NR	NR	NR	0
UST	0.250		0	0	NR	NR	NR	0
AST	0.250		1	0	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
Lists of 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
Lists of state and tribal brownfield 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	0.001		0	NR	NR	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
HIST Cal-Sites	1.000		0	0	0	1	NR	1
SCH	0.250		0	0	NR	NR	NR	0
CDL	0.001		0	NR	NR	NR	NR	0
CERS HAZ WASTE	0.250		1	0	NR	NR	NR	1
Toxic Pits	1.000		0	0	0	0	NR	0
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
SWEEPS UST	0.250		0	0	NR	NR	NR	0
HIST UST	0.250		0	0	NR	NR	NR	0
CA FID UST	0.250		0	0	NR	NR	NR	0
CERS TANKS	0.250		1	0	NR	NR	NR	1
Local Land Records								
LIENS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
DEED	0.500		0	0	0	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
CHMIRS	0.001		0	NR	NR	NR	NR	0
LDS	0.001		0	NR	NR	NR	NR	0
MCS	0.001		0	NR	NR	NR	NR	0
SPILLS 90	0.001		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		3	1	NR	NR	NR	4
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	1	1	0	NR	2
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	1	0	NR	1
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	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	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	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	0.001		1	NR	NR	NR	NR	1
UXO	1.000		0	0	0	0	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
PFAS NPL	0.250		0	0	NR	NR	NR	0
PFAS FEDERAL SITES	0.250		0	0	NR	NR	NR	0
PFAS TSCA	0.250		0	0	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
PFAS RCRA MANIFEST	0.250		0	0	NR	NR	NR	0
PFAS ATSDR	0.250		0	0	NR	NR	NR	0
PFAS WQP	0.250		0	0	NR	NR	NR	0
PFAS NPDES	0.250		0	0	NR	NR	NR	0
PFAS ECHO	0.250		0	0	NR	NR	NR	0
PFAS ECHO FIRE TRAINING	0.250		0	0	NR	NR	NR	0
PFAS PART 139 AIRPORT	0.250		0	0	NR	NR	NR	0
AQUEOUS FOAM NRC	0.250		0	0	NR	NR	NR	0
PFAS	0.250		1	0	NR	NR	NR	1
AQUEOUS FOAM	TP		NR	NR	NR	NR	NR	0
CA BOND EXP. PLAN	1.000		0	0	0	1	NR	1
Cortese	0.500		0	0	0	NR	NR	0
CUPA Listings	0.250		0	0	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
EMI	0.001		0	NR	NR	NR	NR	0
ENF	0.001		0	NR	NR	NR	NR	0
Financial Assurance	0.001		0	NR	NR	NR	NR	0
ICE	0.001		0	NR	NR	NR	NR	0
HIST CORTESE	0.500		0	0	0	NR	NR	0
HWP	1.000		0	0	0	0	NR	0
HWT	0.250		0	0	NR	NR	NR	0
HAZNET	0.001	1	0	NR	NR	NR	NR	1
MINES	0.250		0	0	NR	NR	NR	0
MWMP	0.250		0	0	NR	NR	NR	0
NPDES	0.001		0	NR	NR	NR	NR	0
PEST LIC	0.001		0	NR	NR	NR	NR	0
PROC	0.500		0	0	0	NR	NR	0
Notify 65	1.000		0	0	0	0	NR	0
UIC	0.001		0	NR	NR	NR	NR	0
UIC GEO	0.001		0	NR	NR	NR	NR	0
WASTEWATER PITS	0.500		0	0	0	NR	NR	0
WDS	0.001		0	NR	NR	NR	NR	0
WIP	0.250		0	0	NR	NR	NR	0
MILITARY PRIV SITES	0.001		0	NR	NR	NR	NR	0
PROJECT	0.001		0	NR	NR	NR	NR	0
WDR	0.001		0	NR	NR	NR	NR	0
CIWQS	0.001		0	NR	NR	NR	NR	0
CERS	0.001		0	NR	NR	NR	NR	0
NON-CASE INFO	0.001		0	NR	NR	NR	NR	0
OTHER OIL GAS	0.001		0	NR	NR	NR	NR	0
PROD WATER PONDS	0.001		0	NR	NR	NR	NR	0
SAMPLING POINT	0.001		0	NR	NR	NR	NR	0
WELL STIM PROJ	0.001		0	NR	NR	NR	NR	0
MINES MRDS	0.001		0	NR	NR	NR	NR	0
HWTS	TP	1	NR	NR	NR	NR	NR	1
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
EDR Hist Auto	0.125		0	NR	NR	NR	NR	0
EDR Hist Cleaner	0.125		0	NR	NR	NR	NR	0
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
RGA LF	0.001		0	NR	NR	NR	NR	0
RGA LUST	0.001		0	NR	NR	NR	NR	0
- Totals --		2	8	2	7	4	0	23

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 **TEMP POWER SYSTEMS** **HAZNET** **S117282840**
Target **480 HARLEY KNOX BLVD** **HWTS** **N/A**
Property **PERRIS, CA 92571**

Site 1 of 2 in cluster A

Actual:
1470 ft.

HAZNET:

Name:	TEMP POWER SYSTEMS
Address:	480 HARLEY KNOX BLVD
Address 2:	Not reported
City,State,Zip:	PERRIS, CA 92571
Contact:	CHRIS YATES
Telephone:	7142235607
Mailing Name:	Not reported
Mailing Address:	625 FEE ANA ST
Year:	2013
Gepaid:	CAC002717042
TSD EPA ID:	CAD008302903
CA Waste Code:	214 - Unspecified solvent mixture
Disposal Method:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Tons:	0.09
Year:	2013
Gepaid:	CAC002717042
TSD EPA ID:	CAD982444481
CA Waste Code:	352 - Other organic solids
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1

Additional Info:

Year:	2013
Gen EPA ID:	CAC002717042
Shipment Date:	20130115
Creation Date:	3/13/2013 22:15:38
Receipt Date:	20130122
Manifest ID:	000017214DAT
Trans EPA ID:	CAD982359671
Trans Name:	LIGHTNING OIL CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD008302903
Trans Name:	VEOLIA ES TECHNICAL SOLUTION
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.09
Waste Quantity:	25
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

TEMP POWER SYSTEMS (Continued) **S117282840**

Shipment Date:	20130115
Creation Date:	3/9/2013 22:15:19
Receipt Date:	20130124
Manifest ID:	000017213DAT
Trans EPA ID:	CAD982359671
Trans Name:	LIGHTNING OIL CO INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

HWTS:

Name:	TEMP POWER SYSTEMS
Address:	480 HARLEY KNOX BLVD
Address 2:	Not reported
City,State,Zip:	PERRIS, CA 92571
EPA ID:	CAC002717042
Inactive Date:	04/16/2013
Create Date:	01/15/2013
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	625 FEE ANA ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	PLACENTIA, CA 928706704
Owner Name:	DANIEL P MARTIN
Owner Address:	625 FEE ANA ST
Owner Address 2:	Not reported
Owner City,State,Zip:	PLACENTIA, CA 928706704
Contact Name:	CHRIS YATES
Contact Address:	625 FEE ANA ST
Contact Address 2:	Not reported
City,State,Zip:	PLACENTIA, CA 928706704
Facility Status:	Inactive
Facility Type:	TEMPORARY
Category:	STATE
Latitude:	33.85776
Longitude:	-117.2359

DOD
Region
WNW
1/8-1/4
780 ft.

MARCH ARB
, CA

DOD **CUSA401268**
N/A

DOD:
Site Name: MARCH ARB
DOD Component: AF Reserve
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

DOD
Region
West
1/4-1/2
2095 ft.

MARCH ARB
, CA

DOD **CUSA401259**
N/A

DOD:
Site Name: MARCH ARB
DOD Component: AF Reserve
Joint Base: N/A
Operating Status: ACT (Active): Site has an on-going operational/support mission (s).

NPL
Region
WNW
1/4-1/2
2153 ft.

MARCH AIR FORCE BASE
22 CSG/CC
RIVERSIDE, CA 92518

NPL **1000169261**
SEMS **CA4570024527**
RCRA-LQG
US ENG CONTROLS
US INST CONTROLS
ROD
PRP
PFAS NPL

NPL:
EPA Region: 9
EPA ID: CA4570024527
Site ID: 902761
Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
Federal: Y
Final Date: 1989-11-21 00:00:00
Latitude: 33.906389
Longitude: -117.2557
Site Score: 31.940000000000001
NAI: Not reported
Native American Entity: Not reported

Substance as of 08/2019:
NPL Status: Currently on the Final NPL
Substance ID: Not reported
CAS Number: Not reported
Substance: Not reported
Pathway: Not reported
Scoring: Not reported

NPL Status: Currently on the Final NPL
Substance ID: A046
CAS Number: 1336-36-3

MARCH AIR FORCE BASE (Continued) **1000169261**

Substance: POLYCHLORINATED BIPHENYLS
Pathway: GROUND WATER PATHWAY
Scoring: 3

NPL Status: Currently on the Final NPL
Substance ID: U210
CAS Number: 127-18-4
Substance: TETRACHLOROETHENE
Pathway: GROUND WATER PATHWAY
Scoring: 2

NPL Status: Currently on the Final NPL
Substance ID: U228
CAS Number: 79-01-6
Substance: TRICHLOROETHYLENE (TCE)
Pathway: GROUND WATER PATHWAY
Scoring: 2

Summary Details:

Conditions at proposal July 14, 1989): March Air Force Base MAFB) covers approximately 7,000 acres near Riverside in the Moreno Valley in Riverside County, California. MAFB is adjacent to light industrial, agricultural, and residential areas. Established in 1918 as the Alessandro Aviation Field, MAFB has served as a training base and refueling operations base. Industrial operations including aircraft maintenance and repair) involved use of solvents and disposal of solvent wastes. MAFB is participating in the Installation Restoration Program IRP), established in 1978. Under this program, the Department of Defense seeks to identify, investigate, and clean up contamination from ha ardous materials. As part ofIRP, the Air Force investigated 28 potentially contaminated disposal areas. MAFB Well No. 1 on-base was found to be contaminated with trichloroethylene, tetrachloroethylene, and cis-1,2-dichloroethylene at levels that exceed State drinking water standards. It was taken out of service. Soils on the base are contaminated with toluene and ben ene. An estimated 11,600 people obtain drinking water from municipal wells within 3 miles of ha ardous substances on MAFB. The Air Forceis conducting a remedial investigation/ feasibility study RI/FS) to determine the type and extent of contamination at the base and identify alternatives for remedial action. Status November 21, 1989): Field work continues on the RI/FS.

Category as of 08/2019:
NPL Status: Currently on the Final NPL
Category Description: Depth To Aquifer-> 50 And <= 100 Feet
Category Value: 65

NPL Status: Currently on the Final NPL
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile
Category Value: 10

Narratives as of 08/2019:
NPL Name: MARCH AIR FORCE BASE

Site as of 08/2019:
EPA Region: 09
Site ID: 0902761

MARCH AIR FORCE BASE (Continued) **1000169261**

Site Status: F
Federal Site: Y
Date Deleted: Not reported
Date Finalized: 11/21/89
Date Proposed: 07/14/89

Site Status as of 08/2019:
Proposed Date: 07/14/1989
Final Date: 11/21/1989
Deleted Date: Not reported
NPL Status: Final

Narr:
Site Name: March Air Force Base
Site EPA ID: CA4570024527
Listing Date: 11/21/1989
Site Score: 31.94
Federal Facility Indicator: Yes
Site List URL: https://semspub.epa.gov/src/document/09/2400158
Site Progress URL: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0902761
Federal Register URL: https://semspub.epa.gov/src/document/11/189634
Site Location URL: https://epa.maps.arcgis.com/apps/webappviewer/index.html?id=33cebcdfdd1b4c3a8b51d416956c41f1&query=Superfund_National_Priorities_List__NPL__Sites_with_Status_Information_7557,SITE_EPA_ID=%27CA4570024527%27

SEMS:
Site ID: 0902761
EPA ID: CA4570024527
Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
Address 2: Not reported
City,State,Zip: RIVERSIDE, CA 92518
Cong District: 41,43
FIPS Code: 06065
Latitude: 33.906389
Longitude: -117.255700
FF: Y
NPL: Currently on the Final NPL
Non NPL Status: Not reported

SEMS Detail:
Region: 09
Site ID: 0902761
EPA ID: CA4570024527
Site Name: MARCH AIR FORCE BASE
NPL: F
FF: Y
OU: 00
Action Code: NF
Action Name: NPL FINL
SEQ: 1
Start Date: 1989-11-21 05:00:00
Finish Date: 1989-11-21 05:00:00
Qual: Not reported
Current Action Lead: EPA Perf

MARCH AIR FORCE BASE (Continued) **1000169261**

Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	2000-10-24 04:00:00
Finish Date:	Not reported
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	NP
Action Name:	PROPOSED
SEQ:	1
Start Date:	1989-07-14 04:00:00
Finish Date:	1989-07-14 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	HR
Action Name:	HAZRANK
SEQ:	1
Start Date:	1987-06-01 04:00:00
Finish Date:	1987-06-01 04:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	04
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	2
Start Date:	1990-09-27 04:00:00
Finish Date:	2005-09-29 04:00:00

MARCH AIR FORCE BASE (Continued) **1000169261**

Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902761
EPA ID: CA4570024527
Site Name: MARCH AIR FORCE BASE
NPL: F
FF: Y
OU: 04
Action Code: RO
Action Name: ROD
SEQ: 3
Start Date: 2005-09-29 04:00:00
Finish Date: 2005-09-29 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902761
EPA ID: CA4570024527
Site Name: MARCH AIR FORCE BASE
NPL: F
FF: Y
OU: 02
Action Code: LW
Action Name: FF RI/FS
SEQ: 4
Start Date: 1992-01-24 05:00:00
Finish Date: 1995-04-30 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902761
EPA ID: CA4570024527
Site Name: MARCH AIR FORCE BASE
NPL: F
FF: Y
OU: 02
Action Code: RO
Action Name: ROD
SEQ: 4
Start Date: 2004-05-11 04:00:00
Finish Date: 2004-05-11 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902761
EPA ID: CA4570024527
Site Name: MARCH AIR FORCE BASE
NPL: F
FF: Y
OU: 01
Action Code: LY
Action Name: FF RA

MARCH AIR FORCE BASE (Continued) **1000169261**

SEQ: 1
Start Date: 1996-03-05 05:00:00
Finish Date: Not reported
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902761
EPA ID: CA4570024527
Site Name: MARCH AIR FORCE BASE
NPL: F
FF: Y
OU: 00
Action Code: PA
Action Name: PA
SEQ: 1
Start Date: 1987-02-01 05:00:00
Finish Date: 1987-02-01 05:00:00
Qual: L
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902761
EPA ID: CA4570024527
Site Name: MARCH AIR FORCE BASE
NPL: F
FF: Y
OU: 00
Action Code: SI
Action Name: SI
SEQ: 1
Start Date: 1987-06-01 04:00:00
Finish Date: 1987-06-01 04:00:00
Qual: L
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902761
EPA ID: CA4570024527
Site Name: MARCH AIR FORCE BASE
NPL: F
FF: Y
OU: 01
Action Code: LX
Action Name: FF RD
SEQ: 1
Start Date: 1996-04-07 05:00:00
Finish Date: 1996-04-18 04:00:00
Qual: Not reported
Current Action Lead: Fed Fac

Region: 09
Site ID: 0902761
EPA ID: CA4570024527
Site Name: MARCH AIR FORCE BASE
NPL: F
FF: Y

MARCH AIR FORCE BASE (Continued) **1000169261**

OU:	01
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	1
Start Date:	1990-09-27 04:00:00
Finish Date:	1996-06-20 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	01
Action Code:	RO
Action Name:	ROD
SEQ:	1
Start Date:	1996-06-20 04:00:00
Finish Date:	1996-06-20 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	5
Start Date:	2005-09-30 04:00:00
Finish Date:	2005-09-30 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	05
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	5
Start Date:	2005-10-30 04:00:00
Finish Date:	2015-05-21 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac
Region:	09
Site ID:	0902761
EPA ID:	CA4570024527

MARCH AIR FORCE BASE (Continued) **1000169261**

Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	05
Action Code:	RO
Action Name:	ROD
SEQ:	6
Start Date:	2019-04-22 05:00:00
Finish Date:	2019-04-22 05:00:00
Qual:	R
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	00
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1985-02-01 06:00:00
Finish Date:	1985-02-01 06:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	RO
Action Name:	ROD
SEQ:	7
Start Date:	2004-04-01 05:00:00
Finish Date:	2004-04-01 05:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	02
Action Code:	LW
Action Name:	FF RI/FS
SEQ:	6
Start Date:	1995-07-01 04:00:00
Finish Date:	1997-07-01 04:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

MARCH AIR FORCE BASE (Continued) **1000169261**

Region:	09
Site ID:	0902761
EPA ID:	CA4570024527
Site Name:	MARCH AIR FORCE BASE
NPL:	F
FF:	Y
OU:	01
Action Code:	EE
Action Name:	EE/CA
SEQ:	1
Start Date:	2018-11-12 06:00:00
Finish Date:	2018-11-12 06:00:00
Qual:	Not reported
Current Action Lead:	Fed Fac

RCRA Listings:

Date Form Received by Agency:		20220426
Handler Name:	MARCH AIR RESERVE BASE	
Handler Address:		610 MEYER DR
Handler City,State,Zip:		MARCH ARB, CA 92518
EPA ID:		CA4570024527
Contact Name:		CHRIS WAGNER
Contact Address:		MEYER DR
Contact City,State,Zip:		MARCH ARB, CA 92518
Contact Telephone:		951-655-3653
Contact Fax:		Not reported
Contact Email:		CHRIS.WAGNER@US.AF.MIL
Contact Title:		HAZARDOUS MATERIALS / WASTE MANAGER
EPA Region:		09
Land Type:		Federal
Federal Waste Generator Description:		Large Quantity Generator
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		MEYER DR
Mailing City,State,Zip:		MARCH ARB, CA 92518
Owner Name:	US AIR FORCE	
Owner Type:		Federal
Operator Name:	COLONEL GREGORY P. HAYNES	
Operator Type:		Federal
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No

MARCH AIR FORCE BASE (Continued) **1000169261**

Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	The land is federally-owned, The site is federally-owned, The site is federally-operated
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20220509
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Biennial: List of Years
Year: 2019

Click Here for Biennial Reporting System Data:
Year: 2015

Click Here for Biennial Reporting System Data:
Year: 2013

Click Here for Biennial Reporting System Data:
Year: 2011

MARCH AIR FORCE BASE (Continued) **1000169261**

Click Here for Biennial Reporting System Data:
Year: 2009

Click Here for Biennial Reporting System Data:
Year: 2007

Click Here for Biennial Reporting System Data:
Year: 2005

Click Here for Biennial Reporting System Data:
Year: 2003

Click Here for Biennial Reporting System Data:
Year: 2001

Click Here for Biennial Reporting System Data:

Hazardous Waste Summary:
Waste Code: D001
Waste Description: IGNITABLE WASTE

Waste Code: D002
Waste Description: CORROSIVE WASTE

Waste Code: D003
Waste Description: REACTIVE WASTE

Waste Code: D004
Waste Description: ARSENIC

Waste Code: D005
Waste Description: BARIUM

Waste Code: D006
Waste Description: CADMIUM

Waste Code: D007
Waste Description: CHROMIUM

Waste Code: D008
Waste Description: LEAD

Waste Code: D009
Waste Description: MERCURY

Waste Code: D010
Waste Description: SELENIUM

Waste Code: D011
Waste Description: SILVER

Waste Code: D018
Waste Description: BENZENE

Waste Code: D021
Waste Description: CHLOROBENZENE

MARCH AIR FORCE BASE (Continued) **1000169261**

Waste Code: D028
Waste Description: 1,2-DICHLOROETHANE

Waste Code: D033
Waste Description: HEXACHLOROBUTADIENE

Waste Code: D035
Waste Description: METHYL ETHYL KETONE

Waste Code: D039
Waste Description: TETRACHLOROETHYLENE

Waste Code: D040
Waste Description: TRICHLORETHYLENE

Waste Code: F001
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLORETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F002
Waste Description: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2, TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F003
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NONHALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS, AND A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste Code: F005
Waste Description: THE FOLLOWING SPENT NONHALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NONHALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

MARCH AIR FORCE BASE (Continued) **1000169261**

Waste Code: P098
Waste Description: POTASSIUM CYANIDE (OR) POTASSIUM CYANIDE K(CN)

Waste Code: U188
Waste Description: PHENOL

Waste Code: U227
Waste Description: 1,1,2-TRICHLOROETHANE (OR) ETHANE, 1,1,2-TRICHLORO-

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: US AIR FORCE
Legal Status: Federal
Date Became Current: 19450101
Date Ended Current: Not reported
Owner/Operator Address: 2145 GRAEBER
Owner/Operator City,State,Zip: MARCH ARB, CA 92518
Owner/Operator Telephone: 951-655-4665
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COL GREGORY P HAYNES
Legal Status: Federal
Date Became Current: 20190101
Date Ended Current: Not reported
Owner/Operator Address: 2145 GRAEBER ST., STE 117
Owner/Operator City,State,Zip: MARCH AIR RESERVE BASE, CA 92518
Owner/Operator Telephone: 951-655-4520
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: GREGORY.HAYNES.2@US.AF.MIL

Owner/Operator Indicator: Operator
Owner/Operator Name: MULTIPLE OPS - ALL USAF COMMANDS
Legal Status: Federal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 22 CSG/CC
Owner/Operator City,State,Zip: CITY NOT REPORTED, CA 99999
Owner/Operator Telephone: 714-655-4735
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COL. RUSSELL A MUNCY
Legal Status: Federal
Date Became Current: 20131101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Owner/Operator Indicator:	Operator
Owner/Operator Name: COLONEL GREGORY P. HAYNES	
Legal Status:	Federal
Date Became Current:	20210801
Date Ended Current:	Not reported
Owner/Operator Address:	2145 GRAEBER ST., STE 117
Owner/Operator City,State,Zip:	MARCH AIR RESERVE BASE, CA 92518
Owner/Operator Telephone:	951-655-4520
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	GREGORY.HAYNES.2@US.AF.MIL

Owner/Operator Indicator:	Owner
Owner/Operator Name: UNITED STATES AIR FORCE	
Legal Status:	Private
Date Became Current:	19180101
Date Ended Current:	Not reported
Owner/Operator Address:	2145 GRAEBER STREET, ST 117
Owner/Operator City,State,Zip:	MARCH AIR RESERVE BASE, CA 92518
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: US AIR FORCE	
Legal Status:	Federal
Date Became Current:	19450101
Date Ended Current:	Not reported
Owner/Operator Address:	2145 GRAEBER
Owner/Operator City,State,Zip:	MARCH ARB, CA 92518
Owner/Operator Telephone:	951-655-4665
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	CHRISTHILD.WAGNER@US.AF.MIL

Owner/Operator Indicator:	Operator
Owner/Operator Name: COLONEL JAMES T. RUBEOR	
Legal Status:	Federal
Date Became Current:	20030719
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: GENERAL JAMES L. MELIN	
Legal Status:	Private
Date Became Current:	20060723
Date Ended Current:	Not reported
Owner/Operator Address:	Not reported
Owner/Operator City,State,Zip:	Not reported
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: USAF RESERVE COMMAND
Legal Status: Federal
Date Became Current: 19180101
Date Ended Current: Not reported
Owner/Operator Address: 2145 GRABER STREET SUITE 117
Owner/Operator City,State,Zip: MARCH ARB, CA 92518-2166
Owner/Operator Telephone: 951-655-4520
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: BRIG. GEN MELISSA COBURN
Legal Status: Federal
Date Became Current: 20190101
Date Ended Current: Not reported
Owner/Operator Address: 2145 GRAEBER ST., STE 117
Owner/Operator City,State,Zip: MARCH AIR RESERVE BASE, CA 92518
Owner/Operator Telephone: 951-655-4520
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: MELISSA.COBURN@US.AF.MIL

Owner/Operator Indicator: Operator
Owner/Operator Name: GEN. RUSSELL A. MUNCY
Legal Status: Federal
Date Became Current: 20131101
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: GENERAL JAMES T. RUBEOR
Legal Status: Federal
Date Became Current: 20030719
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: Not reported
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: COL MARY ARB
Legal Status: Federal
Date Became Current: 20100101
Date Ended Current: Not reported
Owner/Operator Address: 2145 GRABER STREET SUITE 117

MARCH AIR FORCE BASE (Continued) **1000169261**

Owner/Operator City,State,Zip:	MARCH ARB, CA 92518-2166
Owner/Operator Telephone:	Not reported
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: US AIR FORCE	
Legal Status:	Federal
Date Became Current:	19470101
Date Ended Current:	Not reported
Owner/Operator Address:	2145 GRAEBER ST, BLDG 470
Owner/Operator City,State,Zip:	MARCH ARB, CA 92518
Owner/Operator Telephone:	951-655-4665
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: US AIR FORCE	
Legal Status:	Federal
Date Became Current:	19450101
Date Ended Current:	Not reported
Owner/Operator Address:	2145 GRAEBER
Owner/Operator City,State,Zip:	MARCH ARB, CA 92518
Owner/Operator Telephone:	951-655-4665
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: USAF RESERVE COMMAND	
Legal Status:	Federal
Date Became Current:	20060723
Date Ended Current:	Not reported
Owner/Operator Address:	2145 GRAEBER STREET, ST 117
Owner/Operator City,State,Zip:	MARCH AIR RESERVE BASE, CA 92518
Owner/Operator Telephone:	951-655-4520
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Owner
Owner/Operator Name: US AIR FORCE	
Legal Status:	Federal
Date Became Current:	19450101
Date Ended Current:	Not reported
Owner/Operator Address:	2145 GRAEBER ST
Owner/Operator City,State,Zip:	MARCH ARB, CA 92518
Owner/Operator Telephone:	951-655-4665
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	452AMW.CP@US.AF.MIL
Owner/Operator Indicator:	Operator
Owner/Operator Name: GENERAL JAMES L. MELIN	
Legal Status:	Federal

MARCH AIR FORCE BASE (Continued) **1000169261**

Date Became Current: 20060723
Date Ended Current: Not reported
Owner/Operator Address: Not reported
Owner/Operator City,State,Zip: CA 92518
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: USAF
Legal Status: Federal
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 452 SPTG CEV
Owner/Operator City,State,Zip: MARCH ARB, CA 92518-2166
Owner/Operator Telephone: 909-655-5069
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: US AIR FORCE
Legal Status: Federal
Date Became Current: 19180101
Date Ended Current: Not reported
Owner/Operator Address: 2145 GRAEBER ST., SUITE 117
Owner/Operator City,State,Zip: MARCH AIR RESERVE BASE, CA 92518-1667
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: UNITED STATES AIR FORCE
Legal Status: Federal
Date Became Current: 19180101
Date Ended Current: Not reported
Owner/Operator Address: 2145 GRAEBER STREET, SUITE 117
Owner/Operator City,State,Zip: MARCH AIR RESERVE BASE, CA 92518
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20100715
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Electronic Manifest Broker: Not reported

Receive Date: 20130320
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20141022
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20160229
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20200708
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20220331
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator

MARCH AIR FORCE BASE (Continued) **1000169261**

State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19960901
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000714
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20220426
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19920330
Handler Name: MARCH AIR FORCE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

MARCH AIR FORCE BASE (Continued) **1000169261**

Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19940331
Handler Name: MARCH AIR FORCE BASE, CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960326
Handler Name: MARCH AFB, CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19990304
Handler Name: MARCH ARB, CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20001012
Handler Name: MARCH ARB CA
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Receive Date: 20020410
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20040225
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: Yes
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20060208
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080326
Handler Name: MARCH AIR RESERVE BASE
Federal Waste Generator Description: Large Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 92811
NAICS Description: NATIONAL SECURITY

NAICS Code: 92812

MARCH AIR FORCE BASE (Continued) **1000169261**

NAICS Description: INTERNATIONAL AFFAIRS

Facility Has Received Notices of Violation:

Found Violation:	Yes
Agency Which Determined Violation:	EPA
Violation Short Description:	Generators - General
Date Violation was Determined:	19840305
Actual Return to Compliance Date:	19950404
Return to Compliance Qualifier:	Unverifiable
Violation Responsible Agency:	EPA
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	001
Date of Enforcement Action:	19840518
Enforcement Responsible Agency:	EPA
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	No
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	WRITTEN INFORMAL
Enforcement Responsible Person:	R9EPA
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported
Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Final Count: Not reported
Final Amount: Not reported

Found Violation: Yes
Agency Which Determined Violation: EPA
Violation Short Description: Generators - General
Date Violation was Determined: 19950427
Actual Return to Compliance Date: 20000427
Return to Compliance Qualifier: Not Resolved
Violation Responsible Agency: EPA
Scheduled Compliance Date: Not reported
Enforcement Identifier: 002
Date of Enforcement Action: 19950428
Enforcement Responsible Agency: EPA
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: No
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: WRITTEN INFORMAL
Enforcement Responsible Person: R9STA
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 19840305
Evaluation Responsible Agency: EPA
Found Violation: Yes
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier: R9EPA
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: 19950404
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Evaluation Date: 19960506
Evaluation Responsible Agency: State

MARCH AIR FORCE BASE (Continued) **1000169261**

Found Violation:	No
Evaluation Type Description:	FOLLOW-UP INSPECTION
Evaluation Responsible Person Identifier:	R9STA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	20061102
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

Evaluation Date:	19950404
Evaluation Responsible Agency:	EPA
Found Violation:	Yes
Evaluation Type Description:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Evaluation Responsible Person Identifier:	R9EPA
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	20000427
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

SIte:

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
Event Code:	Not reported
Action Taken Date:	04/22/2019
EPA ID:	CA4570024527
Action Name:	Record of Decision
Action ID:	6

MARCH AIR FORCE BASE (Continued) **1000169261**

Operable Unit: 05
Contaminated Media: Groundwater
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2019
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

Media:
EPA ID: CA4570024527
Contaminated Media: Soil
Action ID: 5
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/30/2005
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: ROD Amendment
Action Taken Date: 08/01/2017
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: ROD Amendment
Action Taken Date: 08/01/2017
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y

MARCH AIR FORCE BASE (Continued) **1000169261**

Fiscal Year:	2017
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	7
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	04/01/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Explanation of Significant Differences
Action Taken Date:	08/24/2000
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2000
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	ROD Amendment
Action Taken Date:	08/01/2017
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2017
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

MARCH AIR FORCE BASE (Continued) **1000169261**

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	ROD Amendment
Action Taken Date:	08/01/2017
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2017
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	ROD Amendment
Action Taken Date:	08/01/2017
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2017
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil Gas
Action ID:	1
Operable Unit:	01
Action Name:	ROD Amendment
Action Taken Date:	08/01/2017
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2017
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	2
Operable Unit:	01
Action Name:	ROD Amendment
Action Taken Date:	02/25/2019

MARCH AIR FORCE BASE (Continued) **1000169261**

Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996

MARCH AIR FORCE BASE (Continued) **1000169261**

NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 06/20/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Groundwater
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 06/20/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 06/20/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527

MARCH AIR FORCE BASE (Continued) **1000169261**

Contaminated Media:	Free-phase NAPL
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Free-phase NAPL
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL

MARCH AIR FORCE BASE (Continued) **1000169261**

Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700
EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700
EPA ID:	CA4570024527
Contaminated Media:	Free-phase NAPL
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700
EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700
EPA ID:	CA4570024527
Contaminated Media:	Soil

MARCH AIR FORCE BASE (Continued) **1000169261**

Action ID:	1
Operable Unit:	01
Action Name:	Record of Decision
Action Taken Date:	06/20/1996
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	1996
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	3
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	09/29/2005
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2005
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	3
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	09/29/2005
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2005
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Soil
Action ID:	3
Operable Unit:	04
Action Name:	Record of Decision
Action Taken Date:	09/29/2005
Event Code:	Not reported
Contact Name:	Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Groundwater
Action ID: 5
Operable Unit: 02
Action Name: Record of Decision
Action Taken Date: 09/30/2005
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2005
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: Record of Decision
Action Taken Date: 06/20/1996
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 1996
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Groundwater
Action ID: 6
Operable Unit: 05
Action Name: Record of Decision
Action Taken Date: 04/22/2019
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2019
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N

MARCH AIR FORCE BASE (Continued) **1000169261**

Latitude:	33.906389
Longitude:	-117.255700
EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/22/2019
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700
EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/22/2019
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700
EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/22/2019
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700
EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	6

MARCH AIR FORCE BASE (Continued) **1000169261**

Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/22/2019
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/22/2019
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/22/2019
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/22/2019
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	6
Operable Unit:	05
Action Name:	Record of Decision
Action Taken Date:	04/22/2019
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Groundwater
Action ID:	7
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	04/01/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

EPA ID:	CA4570024527
Contaminated Media:	Solid Waste
Action ID:	7
Operable Unit:	02
Action Name:	Record of Decision
Action Taken Date:	04/01/2004
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389

MARCH AIR FORCE BASE (Continued) **1000169261**

Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Soil
Action ID: 1
Operable Unit: 01
Action Name: ROD Amendment
Action Taken Date: 08/01/2017
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Soil
Action ID: 2
Operable Unit: 01
Action Name: ROD Amendment
Action Taken Date: 02/25/2019
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2019
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

EPA ID: CA4570024527
Contaminated Media: Soil
Action ID: 3
Operable Unit: 02
Action Name: ROD Amendment
Action Taken Date: 12/12/2016
Event Code: Not reported
Contact Name: Not reported
Contact Telephone: Not reported
Event: Not reported
Federal Facility: Y
Fiscal Year: 2017
NPL Status: Currently on the Final NPL
Superfund Alternative Agreement: N
Latitude: 33.906389
Longitude: -117.255700

US INST CONTROLS:
Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC

MARCH AIR FORCE BASE (Continued) **1000169261**

Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
Action Name:	ROD Amendment
Action ID:	1
Operable Unit:	01
Actual Date:	08/01/2017
Contaminated Media:	Soil Gas
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2017
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
Action Name:	Record of Decision
Action ID:	3
Operable Unit:	04
Actual Date:	09/29/2005
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2005
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
Action Name:	Record of Decision
Action ID:	4
Operable Unit:	02
Actual Date:	05/11/2004
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL

MARCH AIR FORCE BASE (Continued) **1000169261**

Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
Action Name:	Record of Decision
Action ID:	4
Operable Unit:	02
Actual Date:	05/11/2004
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
Action Name:	Record of Decision
Action ID:	5
Operable Unit:	02
Actual Date:	09/30/2005
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2005
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
Action Name:	Record of Decision
Action ID:	6
Operable Unit:	05
Actual Date:	04/22/2019
Contaminated Media:	Groundwater
Event Code:	Not reported

MARCH AIR FORCE BASE (Continued) **1000169261**

Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
Action Name:	Record of Decision
Action ID:	6
Operable Unit:	05
Actual Date:	04/22/2019
Contaminated Media:	Soil Gas
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2019
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
Action Name:	Record of Decision
Action ID:	7
Operable Unit:	02
Actual Date:	04/01/2004
Contaminated Media:	Groundwater
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527

MARCH AIR FORCE BASE (Continued) **1000169261**

Action Name:	Record of Decision
Action ID:	7
Operable Unit:	02
Actual Date:	04/01/2004
Contaminated Media:	Soil
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
Address 2:	Not reported
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
Action Name:	Record of Decision
Action ID:	7
Operable Unit:	02
Actual Date:	04/01/2004
Contaminated Media:	Solid Waste
Event Code:	Not reported
Contact Name:	Not reported
Contact Telephone:	Not reported
Event:	Not reported
Federal Facility:	Y
Fiscal Year:	2004
NPL Status:	Currently on the Final NPL
Superfund Alternative Agreement:	N
Latitude:	33.906389
Longitude:	-117.255700

ROD:

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
RG:	9
Site ID:	902761
Action:	FF ESD
Operable Unit Number:	EAST MARCH - SOILS/GW
SEQ ID:	1
Action Completion:	2000-08-24 00:00:00
NPL Status:	Final
Non NPL Status:	Not reported

Name:	MARCH AIR FORCE BASE
Address:	22 CSG/CC
City,State,Zip:	RIVERSIDE, CA 92518
EPA ID:	CA4570024527
RG:	9
Site ID:	902761

MARCH AIR FORCE BASE (Continued) **1000169261**

Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: EAST MARCH - SOILS/GW
SEQ ID: 1
Action Completion: 1996-06-20 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
EPA ID: CA4570024527
RG: 9
Site ID: 902761
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: BASEWIDE
SEQ ID: 3
Action Completion: 2005-09-29 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
EPA ID: CA4570024527
RG: 9
Site ID: 902761
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: WEST MARCH - SOILS/GW
SEQ ID: 4
Action Completion: 2004-05-11 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
EPA ID: CA4570024527
RG: 9
Site ID: 902761
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: WEST MARCH - SOILS/GW
SEQ ID: 5
Action Completion: 2005-09-30 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
EPA ID: CA4570024527
RG: 9
Site ID: 902761
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: SITEWIDE GW
SEQ ID: 6
Action Completion: 2019-04-22 00:00:00
NPL Status: Final

MARCH AIR FORCE BASE (Continued) **1000169261**

Non NPL Status: Not reported

Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
EPA ID: CA4570024527
RG: 9
Site ID: 902761
Action: FF ROD (RCRA Statement of Basis/RTC)
Operable Unit Number: WEST MARCH - SOILS/GW
SEQ ID: 7
Action Completion: 2004-04-01 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
EPA ID: CA4570024527
RG: 9
Site ID: 902761
Action: FF ROD Amendment
Operable Unit Number: EAST MARCH - SOILS/GW
SEQ ID: 1
Action Completion: 2017-08-01 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
EPA ID: CA4570024527
RG: 9
Site ID: 902761
Action: FF ROD Amendment
Operable Unit Number: EAST MARCH - SOILS/GW
SEQ ID: 2
Action Completion: 2019-02-25 00:00:00
NPL Status: Final
Non NPL Status: Not reported

Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
EPA ID: CA4570024527
RG: 9
Site ID: 902761
Action: FF ROD Amendment
Operable Unit Number: WEST MARCH - SOILS/GW
SEQ ID: 3
Action Completion: 2016-12-12 00:00:00
NPL Status: Final
Non NPL Status: Not reported

PRP:
PRP Name: STATE OF CALIFORNIA/DEPT. OF HEALTH SERVICES
STATE OF CALIFORNIA/DEPT. OF WATER QUALITY

MARCH AIR FORCE BASE (Continued) **1000169261**

U.S. AIR FORCE
U.S. AIR FORCE

PFAS NPL:
EPA Region: 09
Name: MARCH AIR FORCE BASE
Address: 22 CSG/CC
City,State,Zip: RIVERSIDE, CA 92518
EPAID: CA4570024527
Superfund Link: https://cumulis.epa.gov/supercpad/cursites/csitinfo.cfm?id=0902761&msspp=med
Data Systems: SEMS
Last Updated: 2020-06-11 00:00:00
Programs: Superfund
Location Type: Federal
NPL Site: Y
NPL Status: Final
Media Detected: GW
Health Advisory: Y
DW Response: AF providing alternative water source; AF to install wellhead treatment system
Latitude: 33.906389
Longitude: -117.2557
EJSCREEN Report: https://ejscreen.epa.gov/mapper/mobile/EJSCREEN_mobile.aspx?geometry=%7B%22x%22:-117.2557,%22y%22:33.906389,%22spatialReference%22:%7B%22wkid%22:4326%7D%7D&unit=9035&areatype=&areaid=&basemap=streets&distance=1

A2 **TEMP POWER SYSTEMS** **FINDS** **1023380534**
480 OLEANDER AVE **N/A**
< 1/8 **PERRIS, CA 92571**
1 ft.

Site 2 of 2 in cluster A

Relative: Higher
FINDS:
Registry ID: 110066791001

Actual: 1470 ft.
Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
STATE MASTER

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

B3 **ALL AMERICAN ASPHALT** **AST** **S113153569**
NE **4770 INDIAN AVE** **CERS HAZ WASTE** **N/A**
< 1/8 **PERRIS, CA 92571** **CERS TANKS**
0.031 mi. **HAZNET**
163 ft. **Site 1 of 2 in cluster B** **CIWQS**
CERS
Relative: Lower **HWTS**

Actual: 1469 ft.
AST:
Name: ALL AMERICAN ASPHALT
Address: 4770 INDIAN AVE
City/Zip: PERRIS,92571
Certified Unified Program Agencies: Not reported
Owner: All American Asphalt

ALL AMERICAN ASPHALT (Continued) **S113153569**

Total Gallons:	Not reported
CERSID:	10329376
Facility ID:	Not reported
Business Name:	All American Asphalt
Phone:	(951) 940-1906
Fax:	(951) 940-7376
Mailing Address:	PO Box 2229
Mailing Address City:	Corona
Mailing Address State:	CA
Mailing Address Zip Code:	Not reported
Operator Name:	All American Asphalt
Operator Phone:	(951) 736-7600
Owner Phone:	(951) 736-7600
Owner Mail Address:	P.O. Box 2229
Owner State:	CA
Owner Zip Code:	Not reported
Owner Country:	United States
Property Owner Name:	Not reported
Property Owner Phone:	Not reported
Property Owner Mailing Address:	Not reported
Property Owner City:	Not reported
Property Owner Stat :	Not reported
Property Owner Zip Code:	Not reported
Property Owner Country:	Not reported
EPAID:	CAL000335241

CERS HAZ WASTE:

Name:	ALL AMERICAN ASPHALT
Address:	4770 INDIAN AVE
City,State,Zip:	PERRIS, CA 92571
Site ID:	4245
CERS ID:	10329376
CERS Description:	Hazardous Waste Generator

CERS TANKS:

Name:	ALL AMERICAN ASPHALT
Address:	4770 INDIAN AVE
City,State,Zip:	PERRIS, CA 92571
Site ID:	4245
CERS ID:	10329376
CERS Description:	Aboveground Petroleum Storage

HAZNET:

Name:	ALL AMERICAN ASPHALT
Address:	4770 INDIAN AVE
Address 2:	Not reported
City,State,Zip:	PERRIS, CA 925718235
Contact:	JOHN GARDNER
Telephone:	9517367600
Mailing Name:	Not reported
Mailing Address:	PO BOX 2229
Year:	2021
Gepaid:	CAL000335241
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil

ALL AMERICAN ASPHALT (Continued) **S113153569**

Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.209
Year:	2021
Gepaid:	CAL000335241
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.663
Year:	2021
Gepaid:	CAL000335241
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	6.46373
Year:	2020
Gepaid:	CAL000335241
TSD EPA ID:	CAT080013352
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	4.58716
Year:	2020
Gepaid:	CAL000335241
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.35
Year:	2019
Gepaid:	CAL000335241
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.15000
Year:	2011
Gepaid:	CAL000335241
TSD EPA ID:	AZR000501510
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.57
Year:	2010
Gepaid:	CAL000335241
TSD EPA ID:	CAD982444481
CA Waste Code:	223 - Unspecified oil-containing waste
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No

ALL AMERICAN ASPHALT (Continued) **S113153569**

	Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	33.712
Year:	2010
Gepaid:	CAL000335241
TSD EPA ID:	AZR000501510
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.456
Year:	2010
Gepaid:	CAL000335241
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	3.04

Click this hyperlink while viewing on your computer to access
1 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAL000335241
Shipment Date:	4/22/2020
Creation Date:	5/20/2020
Receipt Date:	4/28/2020
Manifest ID:	021542623JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	4/22/2020
Creation Date:	5/14/2020
Receipt Date:	4/24/2020
Manifest ID:	021542624JJK
Trans EPA ID:	CAR000276295

ALL AMERICAN ASPHALT (Continued) **S113153569**

Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.44037
Waste Quantity:	825
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/9/2020
Creation Date:	1/4/2021
Receipt Date:	12/11/2020
Manifest ID:	021843575JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	1.14679
Waste Quantity:	275
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAL000335241
Shipment Date:	4/22/2020
Creation Date:	5/20/2020
Receipt Date:	4/28/2020
Manifest ID:	021542623JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

ALL AMERICAN ASPHALT (Continued) **S113153569**

TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.35
Waste Quantity:	700
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	4/22/2020
Creation Date:	5/14/2020
Receipt Date:	4/24/2020
Manifest ID:	021542624JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	3.44037
Waste Quantity:	825
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	12/9/2020
Creation Date:	1/4/2021
Receipt Date:	12/11/2020
Manifest ID:	021843575JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	WORLD OIL RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid

ALL AMERICAN ASPHALT (Continued) **S113153569**

Regeneration, Organics Recovery Ect
Quantity Tons: 1.14679
Waste Quantity: 275
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Detail Two:
Year: 2020
EM Manifest ID: 927714
Shipment Date: 12/18/2019
Receipt Date: 12/30/2019
Manifest Number: 020787819JJK
Generator EPA ID: CAL000335241
Name: ALL AMERICAN ASPHALT-PERRIS
Address: 4770 INDIAN AVE
Address 2: Not reported
City: PERRIS
Zip: 92571-8235
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 951-232-4145
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000297531
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000646117
TSDF Name: CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Address 1: OLD SKYLINE ROAD
TSDF Address 2: Not reported
TSDF City: KETTLEMAN CITY
TSDF Zip: 93210-0000
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 927714
Generator EPA ID: CAL000335241
Shipment Date: 2019-12-18
Manifest Number: 020787819JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 568db39c-05c5-4a26-9af7-ec3a7e557572
Shipment Date: 12/12/2018

ALL AMERICAN ASPHALT (Continued) **S113153569**

Receipt Date:	12/27/2018
Manifest Number:	019418434JJK
Generator EPA ID:	CAL000335241
Name:	ALL AMERICAN ASPHALT
Address:	4770 INDIAN AVE
Address 2:	Not reported
City:	PERRIS
Zip:	92571-8235
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	800-424-9300
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2020
EM Manifest ID:	568db39c-05c5-4a26-9af7-ec3a7e557572
Generator EPA ID:	CAL000335241
Shipment Date:	2018-12-12
Manifest Number:	019418434JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.74800
Quantity Waste:	220.000000
Quantity Unit:	G
Number of Containers:	4
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	343

Additional Info:

Year:	2011
Gen EPA ID:	CAL000335241
Shipment Date:	20110425
Creation Date:	10/12/2011 18:30:12
Receipt Date:	20110512
Manifest ID:	007937718JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION INC
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil

ALL AMERICAN ASPHALT (Continued) **S113153569**

RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.57
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2010
Gen EPA ID:	CAL000335241
Shipment Date:	20101029
Creation Date:	1/3/2011 18:30:39
Receipt Date:	20101029
Manifest ID:	006836760JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100702
Creation Date:	9/10/2010 18:30:54
Receipt Date:	20100706
Manifest ID:	006836529JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO KERDOON
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect

ALL AMERICAN ASPHALT (Continued) **S113153569**

Quantity Tons:	3.04
Waste Quantity:	800
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100315
Creation Date:	6/29/2010 18:30:08
Receipt Date:	20100318
Manifest ID:	005728277JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD982444481
Trans Name:	FILTER RECYCLING
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	16.856
Waste Quantity:	20
Quantity Unit:	Y
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20100312
Creation Date:	12/3/2010 18:30:22
Receipt Date:	20100329
Manifest ID:	005728278JJK
Trans EPA ID:	CAD982030173
Trans Name:	ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID:	CAD980585293
Trans 2 Name:	INDUSTRIAL WASTE UTILIZATION
TSDF EPA ID:	AZR000501510
Trans Name:	AA SYDCOL LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.456
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported

ALL AMERICAN ASPHALT (Continued) **S113153569**

Additional Code 5: Not reported

Additional Info:
Year: 2009
Gen EPA ID: CAL000335241

Shipment Date: 20090630
Creation Date: 9/9/2009 18:30:09
Receipt Date: 20090710
Manifest ID: 005360528JJK
Trans EPA ID: CAD982030173
Trans Name: ECOLOGY CONTROL INDUSTRIES (MONTCLAIR)
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAD982444481
Trans Name: FILTER RECYCLING
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 223 - Unspecified oil-containing waste
RCRA Code: Not reported
Meth Code: H129 - Other Treatment
Quantity Tons: 5.0568
Waste Quantity: 6
Quantity Unit: Y
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

CIWQS:
Name: 3 ACRE STOCK PILE AREA
Address: 4770 INDIAN AVE
City,State,Zip: PERRIS, CA 92571
Agency: Dix Leasing
Agency Address: 400 E 6th St, Corona, CA 91718
Place/Project Type: Construction - Industrial
SIC/NAICS: Not reported
Region: 8
Program: CONSTW
Regulatory Measure Status: Terminated
Regulatory Measure Type: Storm water construction
Order Number: 2009-0009-DWQ
WDID: 8 33C365947
NPDES Number: CAS000002
Adoption Date: Not reported
Effective Date: 03/22/2013
Termination Date: 12/30/2014
Expiration/Review Date: Not reported
Design Flow: Not reported
Major/Minor: Not reported
Complexity: Not reported
TTWQ: Not reported
Enforcement Actions within 5 years: 0
Violations within 5 years: 0
Latitude: 33.85607

ALL AMERICAN ASPHALT (Continued) **S113153569**

Longitude: -117.23569

CERS:
Name: ALL AMERICAN ASPHALT
Address: 4770 INDIAN AVE
City,State,Zip: PERRIS, CA 92571
Site ID: 4245
CERS ID: 10329376
CERS Description: Chemical Storage Facilities

Violations:
Site ID: 4245
Site Name: All American Asphalt
Violation Date: 11-02-2021
Citation: HSC 6.67 25270.6(b) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.6(b)
Violation Description: Failure to pay the APSA Program fee.
Violation Notes: Returned to compliance on 12/06/2021.
Violation Division: Riverside County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 4245
Site Name: All American Asphalt
Violation Date: 11-02-2021
Citation: Un-Specified
Violation Description: Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes: Returned to compliance on 12/10/2021. OBSERVATION: Required NFPA-704 signs were not posted. CORRECTIVE ACTION: Owner/operator shall research chemical safety data sheets and post proper NFPA-704 signs. Signs shall be posted at the main entrances to the facility. Submit photos to this department.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 4245
Site Name: All American Asphalt
Violation Date: 11-15-2018
Citation: HSC 6.5 25189.5(a),25201(a) - California Health and Safety Code, Chapter 6.5, Section(s) 25189.5(a),25201(a)
Violation Description: Failure to dispose of hazardous waste at a facility which has a permit from DTSC or disposing of hazardous waste at any point which is not authorized according to HSC 6.5.
Violation Notes: Returned to compliance on 12/14/2018.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 4245
Site Name: All American Asphalt
Violation Date: 11-02-2021
Citation: HSC 6.67 25270.4.5(a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5(a)
Violation Description: Failure to provide the following training to all oil-handling personnel: 1. Operation and maintenance of equipment to prevent

ALL AMERICAN ASPHALT (Continued) **S113153569**

discharges. 2. Discharge procedure protocols. 3. Applicable pollution control laws, rules, and regulations. 4. General facility operations. 5. Contents of the SPCC Plan.

Violation Notes: Returned to compliance on 12/08/2021.
Violation Division: Riverside County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 4245
Site Name: All American Asphalt
Violation Date: 05-13-2015
Citation: HSC 6.5 25186.2 - California Health and Safety Code, Chapter 6.5, Section(s) 25186.2
Violation Description: Failure to properly handle, store, or treat hazardous waste or provided false information submitted on the permit application and other documents.
Violation Notes: Returned to compliance on 08/11/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: HW
Violation Source: CERS,

Site ID: 4245
Site Name: All American Asphalt
Violation Date: 11-02-2021
Citation: HSC 6.67 25270.4.5 (a) - California Health and Safety Code, Chapter 6.67, Section(s) 25270.4.5 (a)
Violation Description: Failure to amend the SPCC Plan within 6 months: 1. When the facility has had a change in design, construction, operation, or maintenance which affects the facility s discharge potential. AND/OR 2. To include more effective proven technology at the time of the 5-year SPCC Plan review and evaluation.
Violation Notes: Returned to compliance on 12/06/2021.
Violation Division: Riverside County Department of Env Health
Violation Program: APSA
Violation Source: CERS,

Site ID: 4245
Site Name: All American Asphalt
Violation Date: 11-02-2021
Citation: HSC 6.95 25505(c) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(c)
Violation Description: Failure to have a business plan readily available to personnel of the business or the unified program facility with responsibilities for emergency response or training.
Violation Notes: Returned to compliance on 11/02/2021. OBSERVATION: Facility personnel were unable to access/locate a current copy of the business plan during the inspection. CORRECTIVE ACTION: Owner/operator shall ensure a current copy of the hazardous materials business plan is readily available on site at all times when the facility is staffed.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 4245
Site Name: All American Asphalt
Violation Date: 05-13-2015
Citation: HSC 6.95 Multiple - California Health and Safety Code, Chapter 6.95,

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	Section(s) Multiple
Violation Description:	Business Plan Program - Operations/Maintenance - General
Violation Notes:	Returned to compliance on 08/11/2015. Propane bottles were observed unsecured at the time of inspection.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	4245
Site Name:	All American Asphalt
Violation Date:	11-02-2021
Citation:	22 CCR 12 66262.34(f) - California Code of Regulations, Title 22, Chapter 12, Section(s) 66262.34(f)
Violation Description:	Failure to properly label hazardous waste accumulation containers and portable tanks with the following requirements: "Hazardous Waste", name and address of the generator, physical and chemical characteristics of the Hazardous Waste, and starting accumulation date.
Violation Notes:	Returned to compliance on 11/02/2021. OBSERVATION: Observed 55 gallon drum of oily debris and a 55 gallon drum of aerosols that were missing proper labels. CORRECTIVE ACTION: Owner/operator shall label hazardous waste containers with all the required information. Label shall include at least: the words ""hazardous waste"", generator name and address, accumulation start date, composition and physical state of waste, and hazardous property statement. Submit photos to this department, if applicable.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	4245
Site Name:	All American Asphalt
Violation Date:	10-19-2018
Citation:	Un-Specified
Violation Description:	Business Plan Program - Operations/Maintenance - General Local Ordinance
Violation Notes:	Returned to compliance on 11/15/2018.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HMRRP
Violation Source:	CERS,
Site ID:	4245
Site Name:	All American Asphalt
Violation Date:	10-19-2018
Citation:	40 CFR 1 265.31 - U.S. Code of Federal Regulations, Title 40, Chapter 1, Section(s) 265.31
Violation Description:	Failure to maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.
Violation Notes:	Returned to compliance on 11/15/2018.
Violation Division:	Riverside County Department of Env Health
Violation Program:	HW
Violation Source:	CERS,
Site ID:	4245

ALL AMERICAN ASPHALT (Continued) **S113153569**

Site Name: All American Asphalt
Violation Date: 11-02-2021
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 12/09/2021. OBSERVATION: No training records observed/provided for current year during inspection. CORRECTIVE ACTION: Owner/operator shall provide training to all employees. Documentation shall be retained and be made available for inspection for a minimum period of 3 years from the date of the training.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Site ID: 4245
Site Name: All American Asphalt
Violation Date: 05-13-2015
Citation: HSC 6.95 25505(a)(4) - California Health and Safety Code, Chapter 6.95, Section(s) 25505(a)(4)
Violation Description: Failure to provide initial and annual training to all employees in safety procedures in the event of a release or threatened release of a hazardous material or failure to document and maintain training records for a minimum of three years.
Violation Notes: Returned to compliance on 08/11/2015.
Violation Division: Riverside County Department of Env Health
Violation Program: HMRRP
Violation Source: CERS,

Evaluation:
Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-13-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 05-13-2015
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-02-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: This facility is an asphalt manufacturer that generates used oil and aerosols.
Eval Division: Riverside County Department of Env Health

ALL AMERICAN ASPHALT (Continued) **S113153569**

Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-15-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 11-15-2018
Violations Found: Yes
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-11-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-02-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: This facility is an asphalt manufacturer that handles petroleum products and compressed gases.
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Other/Unknown
Eval Date: 08-11-2015
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

ALL AMERICAN ASPHALT (Continued) **S113153569**

Eval General Type: Other/Unknown
Eval Date: 11-15-2018
Violations Found: No
Eval Type: Other, not routine, done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HMRRP
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 10-19-2018
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: HW
Eval Source: CERS,

Eval General Type: Compliance Evaluation Inspection
Eval Date: 11-02-2021
Violations Found: Yes
Eval Type: Routine done by local agency
Eval Notes: Not reported
Eval Division: Riverside County Department of Env Health
Eval Program: APSA
Eval Source: CERS,

Enforcement Action:
Site ID: 4245
Site Name: All American Asphalt
Site Address: 4770 INDIAN AVE
Site City: PERRIS
Site Zip: 92571
Enf Action Date: 05-13-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: HMRRP
Enf Action Source: CERS,

Site ID: 4245
Site Name: All American Asphalt
Site Address: 4770 INDIAN AVE
Site City: PERRIS
Site Zip: 92571
Enf Action Date: 05-13-2015
Enf Action Type: Notice of Violation (Unified Program)
Enf Action Description: Notice of Violation Issued by the Inspector at the Time of Inspection
Enf Action Notes: Not reported
Enf Action Division: Riverside County Department of Env Health
Enf Action Program: HW
Enf Action Source: CERS,

Coordinates:
Site ID: 4245

ALL AMERICAN ASPHALT (Continued) **S113153569**

Facility Name: All American Asphalt
Env Int Type Code: HWG
Program ID: 10329376
Coord Name: Not reported
Ref Point Type Desc: Center of a facility or station.,
Latitude: 33.856900
Longitude: -117.234900

Affiliation:
Affiliation Type Desc: Document Preparer
Entity Name: John Gardner
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Facility Mailing Address
Entity Name: Mailing Address
Entity Title: Not reported
Affiliation Address: PO Box 2229
Affiliation City: Corona
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92878-2229
Affiliation Phone: ,

Affiliation Type Desc: Identification Signer
Entity Name: John Gardner
Entity Title: Plant Manager
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Legal Owner
Entity Name: All American Asphalt
Entity Title: Not reported
Affiliation Address: P.O. Box 2229
Affiliation City: Corona
Affiliation State: CA
Affiliation Country: United States
Affiliation Zip: 92878-2229
Affiliation Phone: (951) 736-7600,

Affiliation Type Desc: CUPA District
Entity Name: Riverside Cnty Env Health
Entity Title: Not reported
Affiliation Address: 4065 County Circle Drive, Room 104
Affiliation City: Riverside
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92503

ALL AMERICAN ASPHALT (Continued) **S113153569**

Affiliation Phone: (951) 358-5055,

Affiliation Type Desc: Operator
Entity Name: All American Asphalt
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: (951) 736-7600,

Affiliation Type Desc: Parent Corporation
Entity Name: All American Asphalt
Entity Title: Not reported
Affiliation Address: Not reported
Affiliation City: Not reported
Affiliation State: Not reported
Affiliation Country: Not reported
Affiliation Zip: Not reported
Affiliation Phone: ,

Affiliation Type Desc: Environmental Contact
Entity Name: John Gardner
Entity Title: Not reported
Affiliation Address: 1776 All American Way
Affiliation City: Corona
Affiliation State: CA
Affiliation Country: Not reported
Affiliation Zip: 92878
Affiliation Phone: ,

HWTS:
Name: ALL AMERICAN ASPHALT
Address: 4770 INDIAN AVE
Address 2: Not reported
City,State,Zip: PERRIS, CA 92571
EPA ID: CAL000335241
Inactive Date: Not reported
Create Date: 08/07/2008
Last Act Date: Not reported
Mailing Name: Not reported
Mailing Address: PO BOX 2229
Mailing Address 2: Not reported
Mailing City,State,Zip: CORONA, CA 928782229
Owner Name: ALL AMERICAN ASPHALT
Owner Address: PO BOX 2229
Owner Address 2: Not reported
Owner City,State,Zip: CORONA, CA 928782229
Contact Name: JOHN GARDNER
Contact Address: PO BOX 2229
Contact Address 2: Not reported
City,State,Zip: CORONA, CA 92878
Facility Status: Active
Facility Type: PERMANENT
Category: STATE

ALL AMERICAN ASPHALT (Continued) **S113153569**

Latitude: 33.858588
Longitude: -117.234617

NAICS:
EPA ID: CAL000335241
Create Date: 2008-08-07 11:51:38.073
NAICS Code: 324121
NAICS Description: Asphalt Paving Mixture and Block Manufacturing
Issued EPA ID Date: 2008-08-07 11:51:38.04000
Inactive Date: Not reported
Facility Name: ALL AMERICAN ASPHALT
Facility Address: 4770 INDIAN AVE
Facility Address 2: Not reported
Facility City: PERRIS
Facility County: Not reported
Facility State: CA
Facility Zip: 925718235

B4 **ALL AMERICAN ASPHALT** **RCRA NonGen / NLR** **1024820887**
NE **4770 INDIAN AVE** **CAL000335241**
< 1/8 **PERRIS, CA 92571**
0.031 mi.
163 ft. **Site 2 of 2 in cluster B**

Relative: **Lower**
Actual: **1469 ft.**

RCRA Listings:

Date Form Received by Agency:		20080807
Handler Name:	ALL AMERICAN ASPHALT	
Handler Address:		4770 INDIAN AVE
Handler City,State,Zip:		PERRIS, CA 92571-8235
EPA ID:		CAL000335241
Contact Name:		DANIEL STINSON
Contact Address:		PO BOX 2229
Contact City,State,Zip:		CORONA, CA 92878
Contact Telephone:		951-736-7600
Contact Fax:		951-736-3840
Contact Email:		DSTINSON@ALLAMERICANASPHALT.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Handler Activities
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		PO BOX 2229
Mailing City,State,Zip:		CORONA, CA 92878-2229
Owner Name:	ALL AMERICAN ASPHALT	
Owner Type:		Other
Operator Name:	DANIEL STINSON	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No

ALL AMERICAN ASPHALT (Continued) **1024820887**

Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	Yes
Universal Waste Destination Facility:	Yes
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20180905
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: ALL AMERICAN ASPHALT	
Legal Status:	Other
Date Became Current:	Not reported

ALL AMERICAN ASPHALT (Continued) **1024820887**

Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 2229
Owner/Operator City,State,Zip:	CORONA, CA 92878-2229
Owner/Operator Telephone:	951-736-7600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported
Owner/Operator Indicator:	Operator
Owner/Operator Name: DANIEL STINSON	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	PO BOX 2229
Owner/Operator City,State,Zip:	CORONA, CA 92878
Owner/Operator Telephone:	951-736-7600
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20080807
Handler Name: ALL AMERICAN ASPHALT	
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	324121
NAICS Description:	ASPHALT PAVING MIXTURE AND BLOCK MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

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5 **INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB** **RCRA NonGen / NLR** **1026056692**
WSW **775 HARLEY KNOX BLVD** **CAL000452880**
< 1/8 **PERRIS, CA 92571**
0.063 mi.
332 ft.

Relative:
Higher

Actual:
1471 ft.

RCRA Listings:

Date Form Received by Agency:	20200219
Handler Name:	INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB
Handler Address:	775 HARLEY KNOX BLVD
Handler City,State,Zip:	PERRIS, CA 92571

INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB (Continued) **1026056692**

EPA ID:		CAL000452880
Contact Name:		ADRIAN PEREZ
Contact Address:		775 HARLEY KNOX BLVD
Contact City,State,Zip:		PERRIS, CA 92571
Contact Telephone:		951-657-4389
Contact Fax:		714-549-6601
Contact Email:		PEREZ.ADRIAN@AAA-CALIF.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		495 HARLEY KNOX BLVD
Mailing City,State,Zip:		PERRIS, CA 92571
Owner Name:	INTERINSURANCE EXCHANGE OF AUTO CLUB	
Owner Type:		Other
Operator Name:	ADRIAN PEREZ	
Operator Type:		Other
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No

INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB (Continued) **1026056692**

TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20200306
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name: INTERINSURANCE EXCHANGE OF AUTO CLUB	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	775 HARLEY KNOX BLVD
Owner/Operator City,State,Zip:	PERRIS, CA 92571
Owner/Operator Telephone:	951-657-4389
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Operator
Owner/Operator Name: ADRIAN PEREZ	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	775 HARLEY KNOX BLVD
Owner/Operator City,State,Zip:	PERRIS, CA 92571
Owner/Operator Telephone:	951-657-4389
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200219
Handler Name:	INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No

INTERINSURANCE EXCHANGE OF THE AUTOMOBILE CLUB (Continued) **1026056692**

Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	425120
NAICS Description:	WHOLESALE TRADE AGENTS AND BROKERS

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

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6 **WELL 59 - INDIAN AVE** **PFAS** **S127519857**
SSE **N/A**
< 1/8 **PERRIS, CA**
0.104 mi.
551 ft.

Relative: **Lower**

Actual: **1469 ft.**

PFAS:

Name:	WELL 59 - INDIAN AVE
Address:	Not reported
City,State,Zip:	PERRIS, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	W0603310009
Facility Region:	Not reported
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	CA3310009_073_073
Matrix:	Liquid
Chemical:	NMEFOSAA
Qualifier:	<
Value:	2
Reporting Limit:	Not reported
Detection Limit:	Not reported
Lab Notes:	Not reported
Quarterly Running Annual Average:	Not reported

WELL 59 - INDIAN AVE (Continued) **S127519857**

Units: NG/L
Date: 4/14/2022
Field Pt Class: PUBW
Site Use: Drinking Water Wells
Site Type: DDW Well
Latitude: 33.85585
Longitude: -117.235427
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009

Name: WELL 59 - INDIAN AVE
Address: Not reported
City,State,Zip: PERRIS, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: W0603310009
Facility Region: Not reported
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: CA3310009_073_073
Matrix: Liquid
Chemical: NETFOSAA
Qualifier: <
Value: 2
Reporting Limit: Not reported
Detection Limit: Not reported
Lab Notes: Not reported
Quarterly Running Annual Average: Not reported
Units: NG/L
Date: 4/14/2022
Field Pt Class: PUBW
Site Use: Drinking Water Wells
Site Type: DDW Well
Latitude: 33.85585
Longitude: -117.235427
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009

Name: WELL 59 - INDIAN AVE
Address: Not reported
City,State,Zip: PERRIS, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported

WELL 59 - INDIAN AVE (Continued) **S127519857**

Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	W0603310009
Facility Region:	Not reported
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	CA3310009_073_073
Matrix:	Liquid
Chemical:	HFPA-DA
Qualifier:	<
Value:	2
Reporting Limit:	Not reported
Detection Limit:	Not reported
Lab Notes:	Not reported
Quarterly Running Annual Average:	Not reported
Units:	NG/L
Date:	4/14/2022
Field Pt Class:	PUBW
Site Use:	Drinking Water Wells
Site Type:	DDW Well
Latitude:	33.85585
Longitude:	-117.235427
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009
Name:	WELL 59 - INDIAN AVE
Address:	Not reported
City,State,Zip:	PERRIS, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	W0603310009
Facility Region:	Not reported
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals

WELL 59 - INDIAN AVE (Continued) **S127519857**

Location ID:	CA3310009_073_073
Matrix:	Liquid
Chemical:	ADONA
Qualifier:	<
Value:	2
Reporting Limit:	Not reported
Detection Limit:	Not reported
Lab Notes:	Not reported
Quarterly Running Annual Average:	Not reported
Units:	NG/L
Date:	4/14/2022
Field Pt Class:	PUBW
Site Use:	Drinking Water Wells
Site Type:	DDW Well
Latitude:	33.85585
Longitude:	-117.235427
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009

Name:	WELL 59 - INDIAN AVE
Address:	Not reported
City,State,Zip:	PERRIS, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	W0603310009
Facility Region:	Not reported
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported

Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	CA3310009_073_073
Matrix:	Liquid
Chemical:	9ClPF3ONS
Qualifier:	<
Value:	2
Reporting Limit:	Not reported
Detection Limit:	Not reported
Lab Notes:	Not reported
Quarterly Running Annual Average:	Not reported
Units:	NG/L
Date:	4/14/2022
Field Pt Class:	PUBW
Site Use:	Drinking Water Wells
Site Type:	DDW Well
Latitude:	33.85585
Longitude:	-117.235427

WELL 59 - INDIAN AVE (Continued) **S127519857**

Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009

Name:	WELL 59 - INDIAN AVE
Address:	Not reported
City,State,Zip:	PERRIS, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	W0603310009
Facility Region:	Not reported
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported

Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	CA3310009_073_073
Matrix:	Liquid
Chemical:	11ClPF3OUDS
Qualifier:	<
Value:	2
Reporting Limit:	Not reported
Detection Limit:	Not reported
Lab Notes:	Not reported
Quarterly Running Annual Average:	Not reported
Units:	NG/L
Date:	4/14/2022
Field Pt Class:	PUBW
Site Use:	Drinking Water Wells
Site Type:	DDW Well
Latitude:	33.85585
Longitude:	-117.235427

Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009

Name:	WELL 59 - INDIAN AVE
Address:	Not reported
City,State,Zip:	PERRIS, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	W0603310009
Facility Region:	Not reported
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported

WELL 59 - INDIAN AVE (Continued) **S127519857**

Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: CA3310009_073_073
Matrix: Liquid
Chemical: PFUNDCA
Qualifier: <
Value: 2
Reporting Limit: Not reported
Detection Limit: Not reported
Lab Notes: Not reported
Quarterly Running Annual Average: Not reported
Units: NG/L
Date: 4/14/2022
Field Pt Class: PUBW
Site Use: Drinking Water Wells
Site Type: DDW Well
Latitude: 33.85585
Longitude: -117.235427
Geo Tracker URL: http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009

Name: WELL 59 - INDIAN AVE
Address: Not reported
City,State,Zip: PERRIS, CA
Envirostor ID: Not reported
Program Type: Not reported
Status: Not reported
Status Date: Not reported
Enviroscreen Score: Not reported
Site Code: Not reported
Global ID: W0603310009
Facility Region: Not reported
Lead Agency: Not reported
Case worker: Not reported
Local Agency: Not reported
Location Case Number: Not reported
File Location: Not reported
Potential Contaminants of Concern: Not reported
Potential Media Affected: Not reported
Site History: Not reported

Begin Date: Not reported
RB Case Number: Not reported
source_type: All PFAS Chemicals
Location ID: CA3310009_073_073
Matrix: Liquid
Chemical: PFTRIDA
Qualifier: <
Value: 2
Reporting Limit: Not reported
Detection Limit: Not reported

WELL 59 - INDIAN AVE (Continued) **S127519857**

Lab Notes:	Not reported
Quarterly Running Annual Average:	Not reported
Units:	NG/L
Date:	4/14/2022
Field Pt Class:	PUBW
Site Use:	Drinking Water Wells
Site Type:	DDW Well
Latitude:	33.85585
Longitude:	-117.235427
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009

Name:	WELL 59 - INDIAN AVE
Address:	Not reported
City,State,Zip:	PERRIS, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	W0603310009
Facility Region:	Not reported
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported

Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	CA3310009_073_073
Matrix:	Liquid
Chemical:	PFTEDA
Qualifier:	<
Value:	2
Reporting Limit:	Not reported
Detection Limit:	Not reported
Lab Notes:	Not reported
Quarterly Running Annual Average:	Not reported
Units:	NG/L
Date:	4/14/2022
Field Pt Class:	PUBW
Site Use:	Drinking Water Wells
Site Type:	DDW Well
Latitude:	33.85585
Longitude:	-117.235427
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009

Name:	WELL 59 - INDIAN AVE
Address:	Not reported
City,State,Zip:	PERRIS, CA
Envirostor ID:	Not reported
Program Type:	Not reported

WELL 59 - INDIAN AVE (Continued) **S127519857**

Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	W0603310009
Facility Region:	Not reported
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported
RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	CA3310009_073_073
Matrix:	Liquid
Chemical:	PFHA
Qualifier:	=
Value:	130
Reporting Limit:	Not reported
Detection Limit:	Not reported
Lab Notes:	Not reported
Quarterly Running Annual Average:	Not reported
Units:	NG/L
Date:	4/14/2022
Field Pt Class:	PUBW
Site Use:	Drinking Water Wells
Site Type:	DDW Well
Latitude:	33.85585
Longitude:	-117.235427
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009
Name:	WELL 59 - INDIAN AVE
Address:	Not reported
City,State,Zip:	PERRIS, CA
Envirostor ID:	Not reported
Program Type:	Not reported
Status:	Not reported
Status Date:	Not reported
Enviroscreen Score:	Not reported
Site Code:	Not reported
Global ID:	W0603310009
Facility Region:	Not reported
Lead Agency:	Not reported
Case worker:	Not reported
Local Agency:	Not reported
Location Case Number:	Not reported
File Location:	Not reported
Potential Contaminants of Concern:	Not reported
Potential Media Affected:	Not reported
Site History:	Not reported
Begin Date:	Not reported

WELL 59 - INDIAN AVE (Continued) **S127519857**

RB Case Number:	Not reported
source_type:	All PFAS Chemicals
Location ID:	CA3310009_073_073
Matrix:	Liquid
Chemical:	PFDOA
Qualifier:	<
Value:	2
Reporting Limit:	Not reported
Detection Limit:	Not reported
Lab Notes:	Not reported
Quarterly Running Annual Average:	Not reported
Units:	NG/L
Date:	4/14/2022
Field Pt Class:	PUBW
Site Use:	Drinking Water Wells
Site Type:	DDW Well
Latitude:	33.85585
Longitude:	-117.235427
Geo Tracker URL:	http://geotracker.waterboards.ca.gov/profile_report.asp?global_id=W0603310009

Click this hyperlink while viewing on your computer to access
116 additional CA PFAS: record(s) in the EDR Site Report.

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7 **420-1 LLC DBA BETTER THAN GOOD MANUFACTURING** **RCRA NonGen / NLR** **1026056749**
East **420 HARLEY KNOX BLVD** **CAL000452938**
< 1/8 **PERRIS, CA 92571**
0.112 mi.
590 ft.

Relative: **Lower**

Actual: **1466 ft.**

RCRA Listings:

Date Form Received by Agency:		20200221
Handler Name:	420-1 LLC DBA BETTER THAN GOOD MANUFACTURING	
Handler Address:		420 HARLEY KNOX BLVD
Handler City,State,Zip:		PERRIS, CA 92571
EPA ID:		CAL000452938
Contact Name:		SHELLI SURCOUF
Contact Address:		420 HARLEY KNOX BLVD
Contact City,State,Zip:		PERRIS, CA 92571
Contact Telephone:		337-302-4226
Contact Fax:		Not reported
Contact Email:		SHELLI@COTCGARDENS.COM
Contact Title:		Not reported
EPA Region:		09
Land Type:		Not reported
Federal Waste Generator Description:		Not a generator, verified
Non-Notifier:		Not reported
Biennial Report Cycle:		Not reported
Accessibility:		Not reported
Active Site Indicator:		Not reported
State District Owner:		Not reported
State District:		Not reported
Mailing Address:		420 HARLEY KNOX BLVD
Mailing City,State,Zip:		PERRIS, CA 92571
Owner Name:	420-1 LLC	
Owner Type:		Other
Operator Name:	SHELLI SURCOUF	
Operator Type:		Other
Short-Term Generator Activity:		No

420-1 LLC DBA BETTER THAN GOOD MANUFACTURING (Continued) **1026056749**

Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported
Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20200306
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

420-1 LLC DBA BETTER THAN GOOD MANUFACTURING (Continued) **1026056749**

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: SHELLI SURCOUF	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	420 HARLEY KNOX BLVD
Owner/Operator City,State,Zip:	PERRIS, CA 92571
Owner/Operator Telephone:	337-302-4226
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: 420-1 LLC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	1785 TORRANCE ST
Owner/Operator City,State,Zip:	SAN DIEGO, CA 92103
Owner/Operator Telephone:	858-203-5942
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	20200221
Handler Name:	420-1 LLC DBA BETTER THAN GOOD MANUFACTURING
Federal Waste Generator Description:	Not a generator, verified
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Code:	325411
NAICS Description:	MEDICINAL AND BOTANICAL MANUFACTURING

Facility Has Received Notices of Violations:

Violations:	No Violations Found

Evaluation Action Summary:

Evaluations:	No Evaluations Found

8
NNE
1/8-1/4
0.153 mi.
810 ft.

KAISER PERMANENTE SCAL UPS WAREHOUSE
17825 INDIAN STREET
MORENO VALLEY, CA 92551

RCRA NonGen / NLR

1027077420
CAC003149253

Relative:
Higher

Actual:
1470 ft.

RCRA Listings:

Date Form Received by Agency:	20211118
Handler Name:	KAISER PERMANENTE SCAL UPS WAREHOUSE
Handler Address:	17825 INDIAN STREET
Handler City,State,Zip:	MORENO VALLEY, CA 92551
EPA ID:	CAC003149253
Contact Name:	MARIA K. CUSAC
Contact Address:	393 E. WALNUT STREET
Contact City,State,Zip:	PASADENA, CA 91188
Contact Telephone:	562-299-4729
Contact Fax:	Not reported
Contact Email:	MARIA.K.CUSAC@KP.ORG
Contact Title:	Not reported
EPA Region:	09
Land Type:	Not reported
Federal Waste Generator Description:	Not a generator, verified
Non-Notifier:	Not reported
Biennial Report Cycle:	Not reported
Accessibility:	Not reported
Active Site Indicator:	Not reported
State District Owner:	Not reported
State District:	Not reported
Mailing Address:	393 E. WALNUT STREET
Mailing City,State,Zip:	PASADENA, CA 91188
Owner Name:	KAISER PERMANENTE HEALTH PLAN INC
Owner Type:	Other
Operator Name:	MARIA K. CUSAC
Operator Type:	Other
Short-Term Generator Activity:	No
Importer Activity:	No
Mixed Waste Generator:	No
Transporter Activity:	No
Transfer Facility Activity:	No
Recycler Activity with Storage:	No
Small Quantity On-Site Burner Exemption:	No
Smelting Melting and Refining Furnace Exemption:	No
Underground Injection Control:	No
Off-Site Waste Receipt:	No
Universal Waste Indicator:	No
Universal Waste Destination Facility:	No
Federal Universal Waste:	No
Active Site Fed-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site Converter Treatment storage and Disposal Facility:	Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:	Not reported
Active Site State-Reg Handler:	---
Federal Facility Indicator:	Not reported
Hazardous Secondary Material Indicator:	N
Sub-Part K Indicator:	Not reported
Commercial TSD Indicator:	No
Treatment Storage and Disposal Type:	Not reported
2018 GPRA Permit Baseline:	Not on the Baseline
2018 GPRA Renewals Baseline:	Not on the Baseline
Permit Renewals Workload Universe:	Not reported

KAISER PERMANENTE SCAL UPS WAREHOUSE (Continued) **1027077420**

Permit Workload Universe:	Not reported
Permit Progress Universe:	Not reported
Post-Closure Workload Universe:	Not reported
Closure Workload Universe:	Not reported
202 GPRA Corrective Action Baseline:	No
Corrective Action Workload Universe:	No
Subject to Corrective Action Universe:	No
Non-TSDFs Where RCRA CA has Been Imposed Universe:	No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:	No
TSDFs Only Subject to CA under Discretionary Auth Universe:	No
Corrective Action Priority Ranking:	No NCAPS ranking
Environmental Control Indicator:	No
Institutional Control Indicator:	No
Human Exposure Controls Indicator:	N/A
Groundwater Controls Indicator:	N/A
Operating TSDF Universe:	Not reported
Full Enforcement Universe:	Not reported
Significant Non-Complier Universe:	No
Unaddressed Significant Non-Complier Universe:	No
Addressed Significant Non-Complier Universe:	No
Significant Non-Complier With a Compliance Schedule Universe:	No
Financial Assurance Required: Not reported	
Handler Date of Last Change:	20211122
Recognized Trader-Importer:	No
Recognized Trader-Exporter:	No
Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Operator
Owner/Operator Name: MARIA K. CUSAC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	393 E. WALNUT STREET
Owner/Operator City,State,Zip:	PASADENA, CA 91188
Owner/Operator Telephone:	562-299-4729
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Owner/Operator Indicator:	Owner
Owner/Operator Name: KAISER PERMANENTE HEALTH PLAN INC	
Legal Status:	Other
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	ONE KAISER PLAZA
Owner/Operator City,State,Zip:	OAKLAND, CA 94612
Owner/Operator Telephone:	510-625-3747
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

KAISER PERMANENTE SCAL UPS WAREHOUSE (Continued) **1027077420**

Historic Generators:
Receive Date: 20211118
Handler Name: KAISER PERMANENTE SCAL UPS WAREHOUSE
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

List of NAICS Codes and Descriptions:
NAICS Code: 621491
NAICS Description: HMO MEDICAL CENTERS

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

C9 **MORENO VALLEY TRANSFER STATION** **RCRA-SQG** **1001085672**
NNE **17700 INDIAN ST** **SWF/LF** **CAR000009969**
1/4-1/2 **MORENO VALLEY, CA 92551** **HAULERS**
0.383 mi. **CDL**
2020 ft. **Site 1 of 2 in cluster C** **FINDS**
ECHO
Relative: Higher **ICE**
HAZNET
Actual: 1471 ft. **HWTS**

RCRA Listings:
Date Form Received by Agency: 19960311
Handler Name: MORENO VALLEY TRANSFER STATION
Handler Address: 17700 INDIAN ST
Handler City,State,Zip: MORENO VALLEY, CA 92551
EPA ID: CAR000009969
Contact Name: ANNA WAFFORD
Contact Address: 26500 SCARMELLA CIR
Contact City,State,Zip: HEMET, CA 92545
Contact Telephone: 909-658-9147
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 09
Land Type: Private
Federal Waste Generator Description: Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

State District:		Not reported
Mailing Address:		17700 INDIAN ST
Mailing City,State,Zip:		MORENO VALLEY, CA 92551
Owner Name:	WASTE MANAGEMENT COLLECTION INC	
Owner Type:		Private
Operator Name:	Not reported	
Operator Type:		Not reported
Short-Term Generator Activity:		No
Importer Activity:		No
Mixed Waste Generator:		No
Transporter Activity:		No
Transfer Facility Activity:		No
Recycler Activity with Storage:		No
Small Quantity On-Site Burner Exemption:		No
Smelting Melting and Refining Furnace Exemption:		No
Underground Injection Control:		No
Off-Site Waste Receipt:		No
Universal Waste Indicator:		No
Universal Waste Destination Facility:		No
Federal Universal Waste:		No
Active Site Fed-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site Converter Treatment storage and Disposal Facility:		Not reported
Active Site State-Reg Treatment Storage and Disposal Facility:		Not reported
Active Site State-Reg Handler:		---
Federal Facility Indicator:		Not reported
Hazardous Secondary Material Indicator:		N
Sub-Part K Indicator:		Not reported
Commercial TSD Indicator:		No
Treatment Storage and Disposal Type:		Not reported
2018 GPRA Permit Baseline:		Not on the Baseline
2018 GPRA Renewals Baseline:		Not on the Baseline
Permit Renewals Workload Universe:		Not reported
Permit Workload Universe:		Not reported
Permit Progress Universe:		Not reported
Post-Closure Workload Universe:		Not reported
Closure Workload Universe:		Not reported
202 GPRA Corrective Action Baseline:		No
Corrective Action Workload Universe:		No
Subject to Corrective Action Universe:		No
Non-TSDFs Where RCRA CA has Been Imposed Universe:		No
TSDFs Potentially Subject to CA Under 3004 (u)/(v) Universe:		No
TSDFs Only Subject to CA under Discretionary Auth Universe:		No
Corrective Action Priority Ranking:		No NCAPS ranking
Environmental Control Indicator:		No
Institutional Control Indicator:		No
Human Exposure Controls Indicator:		N/A
Groundwater Controls Indicator:		N/A
Operating TSDF Universe:		Not reported
Full Enforcement Universe:		Not reported
Significant Non-Complier Universe:		No
Unaddressed Significant Non-Complier Universe:		No
Addressed Significant Non-Complier Universe:		No
Significant Non-Complier With a Compliance Schedule Universe:		No
Financial Assurance Required:	Not reported	
Handler Date of Last Change:		20020627
Recognized Trader-Importer:		No
Recognized Trader-Exporter:		No

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Importer of Spent Lead Acid Batteries:	No
Exporter of Spent Lead Acid Batteries:	No
Recycler Activity Without Storage:	No
Manifest Broker:	No
Sub-Part P Indicator:	No

Handler - Owner Operator:

Owner/Operator Indicator:	Owner
Owner/Operator Name:	WASTE MANAGEMENT COLLECTION INC
Legal Status:	Private
Date Became Current:	Not reported
Date Ended Current:	Not reported
Owner/Operator Address:	26500 SCARMELLA CIR
Owner/Operator City,State,Zip:	HEMET, CA 92545
Owner/Operator Telephone:	909-658-9147
Owner/Operator Telephone Ext:	Not reported
Owner/Operator Fax:	Not reported
Owner/Operator Email:	Not reported

Historic Generators:

Receive Date:	19960311
Handler Name:	MORENO VALLEY TRANSFER STATION
Federal Waste Generator Description:	Small Quantity Generator
State District Owner:	Not reported
Large Quantity Handler of Universal Waste:	No
Recognized Trader Importer:	No
Recognized Trader Exporter:	No
Spent Lead Acid Battery Importer:	No
Spent Lead Acid Battery Exporter:	No
Current Record:	Yes
Non Storage Recycler Activity:	Not reported
Electronic Manifest Broker:	Not reported

List of NAICS Codes and Descriptions:

NAICS Codes:	No NAICS Codes Found

Facility Has Received Notices of Violation:

Found Violation:	No
Agency Which Determined Violation:	Not reported
Violation Short Description:	Not reported
Date Violation was Determined:	Not reported
Actual Return to Compliance Date:	Not reported
Return to Compliance Qualifier:	Not reported
Violation Responsible Agency:	Not reported
Scheduled Compliance Date:	Not reported
Enforcement Identifier:	Not reported
Date of Enforcement Action:	Not reported
Enforcement Responsible Agency:	Not reported
Enforcement Docket Number:	Not reported
Enforcement Attorney:	Not reported
Corrective Action Component:	Not reported
Appeal Initiated Date:	Not reported
Appeal Resolution Date:	Not reported
Disposition Status Date:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Disposition Status:	Not reported
Disposition Status Description:	Not reported
Consent/Final Order Sequence Number:	Not reported
Consent/Final Order Respondent Name:	Not reported
Consent/Final Order Lead Agency:	Not reported
Enforcement Type:	Not reported
Enforcement Responsible Person:	Not reported
Enforcement Responsible Sub-Organization:	Not reported
SEP Sequence Number:	Not reported
SEP Expenditure Amount:	Not reported
SEP Scheduled Completion Date:	Not reported
SEP Actual Date:	Not reported
SEP Defaulted Date:	Not reported
SEP Type:	Not reported
SEP Type Description:	Not reported
Proposed Amount:	Not reported
Final Monetary Amount:	Not reported
Paid Amount:	Not reported
Final Count:	Not reported
Final Amount:	Not reported

Evaluation Action Summary:

Evaluation Date:	20211123
Evaluation Responsible Agency:	State
Found Violation:	No
Evaluation Type Description:	FOCUSED COMPLIANCE INSPECTION
Evaluation Responsible Person Identifier:	Not reported
Evaluation Responsible Sub-Organization:	Not reported
Actual Return to Compliance Date:	Not reported
Scheduled Compliance Date:	Not reported
Date of Request:	Not reported
Date Response Received:	Not reported
Request Agency:	Not reported
Former Citation:	Not reported

LOS ANGELES CO. LF:

Name:	MORENO VALLEY SOLID WASTE R&T FACILITY
Address:	17700 INDIAN ST.
City,State,Zip:	MORENO VALLEY, CA 92551
Site ID:	2755
Alt. Site Name:	N/A
Alt. Address:	N/A
Site Contact:	Not reported
Site Contact Phone:	(951) 242-0421
Site Email:	Not reported
Site Website:	N/A
Site Type:	Out-of-County Facility
Site SWIS Number:	33-AA-0234
Beginning Operation Date:	N/A
Ending Operation Date:	N/A
Local Enforcement Agency:	County of Riverside Community Health Agency
Maximun Depth Fill(Ft):	Not reported
Permitted Capacity:	2000
Present Use:	Large Volume Transfer/Proc Facility
Remaining Capacity(Million):	N/A

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Status:	Active
Waste Accepted:	Construction & Demolition;Green Materials;Household Trash;Industrial Non-Hazardous;Metals;
Hours of Operation:	Monday - Friday 8 am - 5 pm
Disposal Area (Acre):	Not reported

Detail As Of 01/2014:

Operator Name:	Unknown
Operator Address:	Not reported
Operator City/State/Zip:	Not reported
Operator Contact:	Not reported
Operator Telephone:	Not reported
Operator Email:	Not reported
Owner Name:	Unknown
Owner Address:	Not reported
Owner City/State/Zip:	Not reported
Owner Contact:	Not reported
Owner Telephone:	Not reported
Owner Email:	Not reported
District:	Not reported
Site Mailing Address:	N/A

SWF/LF (SWIS):

Name:	MORENO VALLEY SOLID WASTE R & T FACILITY
Address:	17700 INDIAN STREET
City,State,Zip:	MORENO VALLEY, CA 92551
Region:	STATE
Facility ID:	33-AA-0234
SWIS Number:	33-AA-0234
Point of Contact:	Theodore Tasiopoulos
Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Operational Status:	Active
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Moreno Valley
Reporting Agency Legal Name:	County of Riverside
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of Riverside
Enforcing Agency Department:	Department of Environmental Health
Regulation Status:	Permitted

Activity:

SWIS Number:	33-AA-0234
Site Name:	Moreno Valley Solid Waste R & T Facility
Activity:	Large Volume Transfer/Processing Facility
Activity Is Archived:	No
Category:	Transfer/Processing
Activity Classification:	Solid Waste Facility
WDR Number:	Not reported
WDR Landfill Class:	Not reported
Cease Operation:	Not reported
Cease Operation Type:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Inspection Frequency:	Monthly
Throughput:	2500
Throughput Units:	Tons per day
Remaining Capacity:	Not reported
Remaining Capacity Date:	Not reported
Capacity:	2500
Capacity Units:	Tons per day
Total Acreage:	24.9
Disposal Acreage:	Not reported
Permitted Elevation:	Not reported
Permitted Elevation Type:	Not reported
Permitted Depth:	Not reported
Permitted Depth Type:	Not reported
Point of Contact:	Theodore Tasiopoulos
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Is Archived:	No
Is Closed Illegal Abandoned:	No
Is Site Inert Debris Engineered Fill:	No
Is Financial Assurances Responsible:	No
Absorbed On:	Not reported
Absorbed By:	Not reported
Closed Illegal Abandoned Category:	Not reported
EPA Federal Registry ID:	Not reported
County:	Riverside
ARB District:	South Coast
SWRCB Region:	Santa Ana
Local Government:	Moreno Valley
Street Address:	17700 Indian Street
City:	Moreno Valley
State:	CA
ZIP Code:	92551
Reporting Agency Legal Name:	County of Riverside
Reporting Agency Department:	Department of Environmental Health
Enforcing Agency Legal Name:	County of Riverside
Enforcing Agency Department:	Department of Environmental Health

Operator:

SWIS Number:	33-AA-0234
Site Name:	Moreno Valley Solid Waste R & T Facility
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Permitted
Latitude:	33.86278
Longitude:	-117.23454
Is Archived:	No
Operator:	Waste Management of the Inland Empire
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported
Street Address:	2655 S. Riverside Ave.
Operator City:	Bloomington
Operator State:	CA
Operator Zip:	92316

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Owner:

SWIS Number:	33-AA-0234
Owner:	Waste Management of the Inland Empire
Owner Address:	2655 S. Riverside Ave.
Owner City:	Bloomington
Owner State:	CA
Owner Zip:	92316
Site Name:	Moreno Valley Solid Waste R & T Facility
Site Operational Status:	Active
Site Type:	Non-Disposal Only
Site Regulatory Status:	Permitted
Latitude:	33.86278
Longitude:	-117.23454
Is Archived:	No
Started On:	Not reported
Contact Name:	Not reported
Contact Title:	Not reported
Contact Email:	Not reported
Contact Phone:	Not reported

Waste:

SWIS Number:	33-AA-0234
Site Name:	Moreno Valley Solid Waste R & T Facility
Activity:	Large Volume Transfer/Processing Facility
Waste Type:	Construction/demolition
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Non-Disposal Only
Point of Contact:	Theodore Tasiopoulos
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Facility

SWIS Number:	33-AA-0234
Site Name:	Moreno Valley Solid Waste R & T Facility
Activity:	Large Volume Transfer/Processing Facility
Waste Type:	Green Materials
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Non-Disposal Only
Point of Contact:	Theodore Tasiopoulos
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Facility

SWIS Number:	33-AA-0234
Site Name:	Moreno Valley Solid Waste R & T Facility
Activity:	Large Volume Transfer/Processing Facility
Waste Type:	Metals
Site Is Archived:	No

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Non-Disposal Only
Point of Contact:	Theodore Tasiopoulos
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Facility

SWIS Number:	33-AA-0234
Site Name:	Moreno Valley Solid Waste R & T Facility
Activity:	Large Volume Transfer/Processing Facility
Waste Type:	Mixed municipal
Site Is Archived:	No
Site Operational Status:	Active
Site Regulatory Status:	Permitted
Site Type:	Non-Disposal Only
Point of Contact:	Theodore Tasiopoulos
Activity Is Archived:	No
Activity Operational Status:	Active
Activity Regulatory Status:	Permitted
Activity Category:	Transfer/Processing
Activity Classification:	Solid Waste Facility

HAULERS:

Name:	WASTE MANAGEMENT - MORENO VALLEY
Address:	17700 INDIAN ST
City,State,Zip:	MORENO VALLEY, CA 92551-9511
Facility ID:	1338241
Facility Phone:	(951) 601-6626
Business Email Address:	mmoore26@wm.com
Contact Person:	Michael Moore
Mailing Address:	17700 Indian St
Mailing City:	Moreno Valley
Mailing State:	CA
Mailing Zip:	92551
Mailing County:	Not reported
Mailing Phone:	(949) 285-4463
Current Status:	Active
Current Hauler Status:	Hauler-Registered
Accepting Tires From Public:	Not reported
Regulatory Status Last Changed:	2004-11-19 14:53:49
Business Types:	Not reported

CDL:

Name:	Not reported
Address:	17700 INDIAN ST
City,State,Zip:	MORENO VALLEY, CA 92551
Facility ID:	2015-09-014
Date:	09/23/2015
Labtype:	Abandoned Drug Lab
Lab Type:	Abandoned Drug Lab Waste (A) - location away from an actual illegal drug lab where drug lab waste and/or equipment were abandoned.

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

FINDS:
Registry ID: 110002910609

Click Here for FRS Facility Detail Report:

Environmental Interest/Information System:
California Hazardous Waste Tracking System - Datamart (HWTS-DATAMART) provides California with information on hazardous waste shipments for generators, transporters, and treatment, storage, and disposal facilities.
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1001085672
Registry ID:	110002910609
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110002910609
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
City,State,Zip:	MORENO VALLEY, CA 92551

ICE:

Envirostor ID:	3004811
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
City,State,Zip:	MORENO VALLEY, CA 92551
EPA ID:	CAR000009969
Site Type:	INSPECTION
Facility Status:	No Action

Inspection:

Action Type:	Focused Compliance Inspection - Universal Waste Electronics Collector
Action Date:	11/23/2021
Violation Class:	No Violations
RTC Date:	Not reported

HAZNET:

Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City,State,Zip:	MORENO VALLEY, CA 925510000
Contact:	MICHAEL MOORE
Telephone:	9516016626
Mailing Name:	Not reported
Mailing Address:	17700 INDIAN ST
Year:	2021
Gepaid:	CAR000009969
TSD EPA ID:	CAD028409019

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

CA Waste Code:	551 - Laboratory waste chemicals
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.1955
Year:	2021
Gepaid:	CAR000009969
TSD EPA ID:	CAD028409019
CA Waste Code:	213 - Hydrocarbon solvents (benzene, hexane, Stoddard, Etc.)
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.45872
Year:	2021
Gepaid:	CAR000009969
TSD EPA ID:	CAT080025711
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	5.90259
Year:	2021
Gepaid:	CAR000009969
TSD EPA ID:	CAT000646117
CA Waste Code:	343 - Unspecified organic liquid mixture
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.0075
Year:	2021
Gepaid:	CAR000009969
TSD EPA ID:	CAT000646117
CA Waste Code:	291 - Latex waste
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.18
Year:	2021
Gepaid:	CAR000009969
TSD EPA ID:	CAT000646117
CA Waste Code:	352 - Other organic solids
Disposal Method:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Tons:	0.1725
Year:	2020
Gepaid:	CAR000009969
TSD EPA ID:	CAT080025711
CA Waste Code:	134 - Aqueous solution with total organic residues less than 10 percent
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	4.662
Year:	2020
Gepaid:	CAR000009969

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

TSD EPA ID:	CAD028409019
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Tons:	0.0075
Year:	2020
Gepaid:	CAR000009969
TSD EPA ID:	CAT080013352
CA Waste Code:	221 - Waste oil and mixed oil
Disposal Method:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Tons:	0.114
Year:	2020
Gepaid:	CAR000009969
TSD EPA ID:	NED981723513
CA Waste Code:	331 - Off-specification, aged or surplus organics
Disposal Method:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Tons:	0.0625

Click this hyperlink while viewing on your computer to access
264 additional CA HAZNET: record(s) in the EDR Site Report.

Additional Info:

Year:	2021
Gen EPA ID:	CAR000009969
Shipment Date:	9/30/2020
Creation Date:	11/18/2020
Receipt Date:	10/29/2020
Manifest ID:	021842608JJK
Trans EPA ID:	CAR000276295
Trans Name:	Enviroserv Waste Management
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	Rust and Sons Trucking Inc
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/30/2020
Creation Date:	11/18/2020
Receipt Date:	10/29/2020
Manifest ID:	021842608JJK

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Trans EPA ID:	CAR000276295
Trans Name:	Enviroserv Waste Management
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	Rust and Sons Trucking Inc
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/30/2020
Creation Date:	11/21/2020
Receipt Date:	10/2/2020
Manifest ID:	021842607JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.325
Waste Quantity:	650
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/23/2020
Creation Date:	10/7/2020
Receipt Date:	9/30/2020
Manifest ID:	022061828JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.504
Waste Quantity:	120
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	9/1/2020
Creation Date:	9/17/2020
Receipt Date:	9/9/2020
Manifest ID:	022060696JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	8/25/2020
Receipt Date:	8/14/2020
Manifest ID:	022064180JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/20/2020
Creation Date:	8/6/2020
Receipt Date:	7/29/2020
Manifest ID:	022063627JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.672
Waste Quantity:	160
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/1/2020
Creation Date:	8/4/2020
Receipt Date:	7/10/2020
Manifest ID:	021543520JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/1/2020

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Creation Date:	8/4/2020
Receipt Date:	7/15/2020
Manifest ID:	021543519JJK
Trans EPA ID:	CAR000276295
Trans Name:	Enviroserv Waste Management
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Clean Harbors Wilmington LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002,D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/1/2020
Creation Date:	8/4/2020
Receipt Date:	7/15/2020
Manifest ID:	021543519JJK
Trans EPA ID:	CAR000276295
Trans Name:	Enviroserv Waste Management
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Clean Harbors Wilmington LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002,D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0575
Waste Quantity:	115
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2020
Gen EPA ID:	CAR000009969

Shipment Date:	9/30/2020
Creation Date:	11/18/2020
Receipt Date:	10/29/2020
Manifest ID:	021842608JJK

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Trans EPA ID:	CAR000276295
Trans Name:	Enviroserv Waste Management
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	Rust and Sons Trucking Inc
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/30/2020
Creation Date:	11/18/2020
Receipt Date:	10/29/2020
Manifest ID:	021842608JJK
Trans EPA ID:	CAR000276295
Trans Name:	Enviroserv Waste Management
Trans 2 EPA ID:	CAR000187922
Trans 2 Name:	Rust and Sons Trucking Inc
TSDF EPA ID:	NED981723513
Trans Name:	Clean Harbors Environmental Services, Inc.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.0625
Waste Quantity:	125
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	9/30/2020
Creation Date:	11/21/2020
Receipt Date:	10/2/2020
Manifest ID:	021842607JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAR000297531
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES INC
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT, INC.
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

RCRA Code: Not reported
Meth Code: H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons: 0.325
Waste Quantity: 650
Quantity Unit: P
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/23/2020
Creation Date: 10/7/2020
Receipt Date: 9/30/2020
Manifest ID: 022061828JJK
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIRONMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080025711
Trans Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.504
Waste Quantity: 120
Quantity Unit: G
Additional Code 1: Not reported
Additional Code 2: Not reported
Additional Code 3: Not reported
Additional Code 4: Not reported
Additional Code 5: Not reported

Shipment Date: 9/1/2020
Creation Date: 9/17/2020
Receipt Date: 9/9/2020
Manifest ID: 022060696JJK
Trans EPA ID: CAD028277036
Trans Name: ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID: Not reported
Trans 2 Name: Not reported
TSDF EPA ID: CAT080025711
Trans Name: ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID: Not reported
TSDF Alt Name: Not reported
Waste Code Description: 134 - Aqueous solution with <10% total organic residues
RCRA Code: Not reported
Meth Code: H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons: 0.63
Waste Quantity: 150
Quantity Unit: G
Additional Code 1: Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	8/11/2020
Creation Date:	8/25/2020
Receipt Date:	8/14/2020
Manifest ID:	022064180JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.63
Waste Quantity:	150
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/20/2020
Creation Date:	8/6/2020
Receipt Date:	7/29/2020
Manifest ID:	022063627JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES DBA WORLD OIL ENVIROMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080025711
Trans Name:	ADVANCED ENVIRONMENTAL, INC. DBA WORLD OIL ENVIRONMENTAL SERVICES
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	134 - Aqueous solution with <10% total organic residues
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.672
Waste Quantity:	160
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	7/1/2020
Creation Date:	8/4/2020

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Receipt Date:	7/15/2020
Manifest ID:	021543519JJK
Trans EPA ID:	CAR000276295
Trans Name:	Enviroserv Waste Management
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Clean Harbors Wilmington LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002,D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.065
Waste Quantity:	130
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/1/2020
Creation Date:	8/4/2020
Receipt Date:	7/15/2020
Manifest ID:	021543519JJK
Trans EPA ID:	CAR000276295
Trans Name:	Enviroserv Waste Management
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	Clean Harbors Wilmington LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002,D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0575
Waste Quantity:	115
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	7/1/2020
Creation Date:	8/4/2020
Receipt Date:	7/15/2020
Manifest ID:	021543519JJK
Trans EPA ID:	CAR000276295
Trans Name:	Enviroserv Waste Management
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Trans Name:	Clean Harbors Wilmington LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D002,D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Detail Two:

Year:	2020
EM Manifest ID:	2e1b1d95-4110-4e7d-b229-6b37ade74ea5
Shipment Date:	9/30/2020
Receipt Date:	10/29/2020
Manifest Number:	021842608JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRASNFER STATION
Address:	17700 INDIAN STREET
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-483-3718
Contact:	Sharon Davis
Contact Telephone:	951-242-0421
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAR000187922
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NED981723513
TSDF Name:	Clean Harbors Environmental Services, Inc.
TSDF Address 1:	2247 South Highway 71
TSDF Address 2:	Not reported
TSDF City:	Kimball
TSDF Zip:	69145
TSDF Telephone:	800-483-3718

Federal:

Year:	2020
EM Manifest ID:	2e1b1d95-4110-4e7d-b229-6b37ade74ea5
Generator EPA ID:	CAR000009969
Shipment Date:	2020-09-30
Manifest Number:	021842608JJK
Line Number:	1
Method Code:	H040
Quantity Tons:	0.06250
Quantity Waste:	125.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Federal Code: D001

State:

Year: 2020
EM Manifest ID: 2e1b1d95-4110-4e7d-b229-6b37ade74ea5
Generator EPA ID: CAR000009969
Shipment Date: 2020-09-30
Manifest Number: 021842608JJK
Line Number: 1
Method Code: H040
Quantity Tons: 0.06250
Quantity Waste: 125.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 331

Year: 2020
EM Manifest ID: 2e1b1d95-4110-4e7d-b229-6b37ade74ea5
Generator EPA ID: CAR000009969
Shipment Date: 2020-09-30
Manifest Number: 021842608JJK
Line Number: 2
Method Code: H040
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 19317968-8948-4de0-9b82-18405a3b320c
Shipment Date: 9/30/2020
Receipt Date: 10/2/2020
Manifest Number: 021842607JJK
Generator EPA ID: CAR000009969
Name: WASTE MANAGEMENT - MORENO VALLEY TRANSFER STATION
Address: 17700 INDIAN ST
Address 2: Not reported
City: MORENO VALLEY
Zip: 92551
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 951-242-0421
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000297531
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000646117
TSDF Name: CHEMICAL WASTE MANAGEMENT, INC.
TSDF Address 1: OLD SKYLINE ROAD
TSDF Address 2: Not reported
TSDF City: KETTLEMAN CITY

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

TSDF Zip: 93239
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 19317968-8948-4de0-9b82-18405a3b320c
Generator EPA ID: CAR000009969
Shipment Date: 2020-09-30
Manifest Number: 021842607JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.32500
Quantity Waste: 650.000000
Quantity Unit: P
Number of Containers: 3
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 291

Year: 2020
EM Manifest ID: 947c27b8-b6a3-4d8e-bcbc-70ca9c3cb8cc
Shipment Date: 4/2/2020
Receipt Date: 4/13/2020
Manifest Number: 020789375JJK
Generator EPA ID: CAR000009969
Name: MORENO VALLEY TRANSFER STATION
Address: 17700 INDIAN ST
Address 2: Not reported
City: MORENO VALLEY
Zip: 92551
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 951-242-0421
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000297531
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000646117
TSDF Name: CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Address 1: OLD SKYLINE ROAD
TSDF Address 2: Not reported
TSDF City: KETTLEMAN CITY
TSDF Zip: 93210-0000
TSDF Telephone: Not reported

State:
Year: 2020
EM Manifest ID: 947c27b8-b6a3-4d8e-bcbc-70ca9c3cb8cc
Generator EPA ID: CAR000009969
Shipment Date: 2020-04-02
Manifest Number: 020789375JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.07500
Quantity Waste: 150.000000
Quantity Unit: P
Number of Containers: 1

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 291

Year: 2020
EM Manifest ID: 947c27b8-b6a3-4d8e-bcbc-70ca9c3cb8cc
Generator EPA ID: CAR000009969
Shipment Date: 2020-04-02
Manifest Number: 020789375JJK
Line Number: 2
Method Code: H132
Quantity Tons: 0.17500
Quantity Waste: 350.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2020
EM Manifest ID: 911211
Shipment Date: 12/18/2019
Receipt Date: 12/30/2019
Manifest Number: 020787837JJK
Generator EPA ID: CAR000009969
Name: MORENO VALLEY TRANSFER STATION
Address: 17700 INDIAN ST
Address 2: Not reported
City: MORENO VALLEY
Zip: 92551-0000
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 951-242-0421
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAR000297531
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000646117
TSDF Name: CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Address 1: OLD SKYLINE ROAD
TSDF Address 2: Not reported
TSDF City: KETTLEMAN CITY
TSDF Zip: 93210-0000
TSDF Telephone: Not reported

Federal:
Year: 2020
EM Manifest ID: 911211
Generator EPA ID: CAR000009969
Shipment Date: 2019-12-18
Manifest Number: 020787837JJK
Line Number: 1
Method Code: H141
Quantity Tons: 0.00500
Quantity Waste: 10.000000
Quantity Unit: P
Number of Containers: 1

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2020
EM Manifest ID:	911211
Generator EPA ID:	CAR000009969
Shipment Date:	2019-12-18
Manifest Number:	020787837JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2020
EM Manifest ID:	911211
Generator EPA ID:	CAR000009969
Shipment Date:	2019-12-18
Manifest Number:	020787837JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.00750
Quantity Waste:	15.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2020
EM Manifest ID:	911211
Generator EPA ID:	CAR000009969
Shipment Date:	2019-12-18
Manifest Number:	020787837JJK
Line Number:	3
Method Code:	H132
Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2020
EM Manifest ID:	911211
Generator EPA ID:	CAR000009969
Shipment Date:	2019-12-18
Manifest Number:	020787837JJK
Line Number:	4
Method Code:	H132

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Quantity Tons:	0.25000
Quantity Waste:	500.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	343
Year:	2020
EM Manifest ID:	911211
Generator EPA ID:	CAR000009969
Shipment Date:	2019-12-18
Manifest Number:	020787837JJK
Line Number:	5
Method Code:	H132
Quantity Tons:	0.12500
Quantity Waste:	250.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	291

Detail Two:

Year:	2019
EM Manifest ID:	625393
Shipment Date:	9/18/2019
Receipt Date:	9/24/2019
Manifest Number:	020151412JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551-0000
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	951-601-6626
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZD982484578
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-839-3975

State:

Year:	2019
EM Manifest ID:	625393
Generator EPA ID:	CAR000009969
Shipment Date:	2019-09-18
Manifest Number:	020151412JJK

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Line Number:	1
Method Code:	H039
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	625393
Generator EPA ID:	CAR000009969
Shipment Date:	2019-09-18
Manifest Number:	020151412JJK
Line Number:	2
Method Code:	H039
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	422936
Shipment Date:	9/12/2018
Receipt Date:	9/23/2018
Manifest Number:	017253407JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	951-242-0421
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZD982484578
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO CHEMICAL INDUSTRIES, LLC
TSDF Address 1:	1007 VULCAN ROAD
TSDF Address 2:	Not reported
TSDF City:	BENTON
TSDF Zip:	72015
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	422936
Generator EPA ID:	CAR000009969
Shipment Date:	2018-09-12
Manifest Number:	017253407JJK

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Line Number: 1
Method Code: H061
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
Federal Code: D001

State:
Year: 2019
EM Manifest ID: 422936
Generator EPA ID: CAR000009969
Shipment Date: 2018-09-12
Manifest Number: 017253407JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.05000
Quantity Waste: 100.000000
Quantity Unit: P
Number of Containers: 1
Type of Container: Metal drums, barrels, kegs
Quantity Type: Pounds
State Code: 214

Year: 2019
EM Manifest ID: 631472
Shipment Date: 5/1/2019
Receipt Date: 5/9/2019
Manifest Number: 019417262JJK
Generator EPA ID: CAR000009969
Name: MORENO VALLEY TRANSFER STATION
Address: 17700 INDIAN ST
Address 2: Not reported
City: MORENO VALLEY
Zip: 92551-0000
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 951-601-6626
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD982030173
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: NVT330010000
TSDF Name: US ECOLOGY NEVADA, INC
TSDF Address 1: HWY 95 11 MI S OF BEATTY
TSDF Address 2: Not reported
TSDF City: BEATTY
TSDF Zip: 89003
TSDF Telephone: 800-839-3975

State:
Year: 2019
EM Manifest ID: 631472
Generator EPA ID: CAR000009969

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Shipment Date:	2019-05-01
Manifest Number:	019417262JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.22935
Quantity Waste:	55.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Gallons
State Code:	223

Year:	2019
EM Manifest ID:	646210
Shipment Date:	5/1/2019
Receipt Date:	5/12/2019
Manifest Number:	019417259JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551-0000
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	951-601-6626
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZD982484578
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO CHEMICAL INDUSTRIES, LLC
TSDF Address 1:	1007 VULCAN ROAD
TSDF Address 2:	Not reported
TSDF City:	BENTON
TSDF Zip:	72015
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	646210
Generator EPA ID:	CAR000009969
Shipment Date:	2019-05-01
Manifest Number:	019417259JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2019

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

EM Manifest ID:	646210
Generator EPA ID:	CAR000009969
Shipment Date:	2019-05-01
Manifest Number:	019417259JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

Year:	2019
EM Manifest ID:	302458
Shipment Date:	2/20/2019
Receipt Date:	2/26/2019
Manifest Number:	020149572JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	909-658-9147
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-510-8510

State:

Year:	2019
EM Manifest ID:	302458
Generator EPA ID:	CAR000009969
Shipment Date:	2019-02-20
Manifest Number:	020149572JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Year:	2019
EM Manifest ID:	302456
Shipment Date:	2/20/2019
Receipt Date:	3/3/2019
Manifest Number:	020149570JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	951-601-6626
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZD982484578
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO CHEMICAL INDUSTRIES, LLC
TSDF Address 1:	1007 VULCAN ROAD
TSDF Address 2:	Not reported
TSDF City:	BENTON
TSDF Zip:	72015
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	302456
Generator EPA ID:	CAR000009969
Shipment Date:	2019-02-20
Manifest Number:	020149570JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2019
EM Manifest ID:	302456
Generator EPA ID:	CAR000009969
Shipment Date:	2019-02-20
Manifest Number:	020149570JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.04000
Quantity Waste:	80.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Year:	2019
EM Manifest ID:	244221
Shipment Date:	12/19/2018
Receipt Date:	12/28/2018
Manifest Number:	020150079JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	951-242-0421
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000646117
TSDF Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Address 1:	35251 OLD SKYLINE ROAD
TSDF Address 2:	Not reported
TSDF City:	KETTLEMAN CITY
TSDF Zip:	93210-0000
TSDF Telephone:	Not reported

State:

Year:	2019
EM Manifest ID:	244221
Generator EPA ID:	CAR000009969
Shipment Date:	2018-12-19
Manifest Number:	020150079JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

Year:	2019
EM Manifest ID:	244221
Generator EPA ID:	CAR000009969
Shipment Date:	2018-12-19
Manifest Number:	020150079JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	352

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Year:	2019
EM Manifest ID:	223369
Shipment Date:	12/19/2018
Receipt Date:	12/30/2018
Manifest Number:	020150078JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	951-242-0421
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZD982484578
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO CHEMICAL INDUSTRIES, LLC
TSDF Address 1:	1007 VULCAN ROAD
TSDF Address 2:	Not reported
TSDF City:	BENTON
TSDF Zip:	72015
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	223369
Generator EPA ID:	CAR000009969
Shipment Date:	2018-12-19
Manifest Number:	020150078JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

State:

Year:	2019
EM Manifest ID:	223369
Generator EPA ID:	CAR000009969
Shipment Date:	2018-12-19
Manifest Number:	020150078JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.01000
Quantity Waste:	20.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	214

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Year:	2019
EM Manifest ID:	255079
Shipment Date:	12/19/2018
Receipt Date:	1/3/2019
Manifest Number:	020150080JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	909-658-9147
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC
TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-510-8510

State:

Year:	2019
EM Manifest ID:	255079
Generator EPA ID:	CAR000009969
Shipment Date:	2018-12-19
Manifest Number:	020150080JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2019
EM Manifest ID:	277870
Shipment Date:	1/9/2019
Receipt Date:	1/23/2019
Manifest Number:	020150348JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	951-242-0421
Transporter 1 EPA ID:	CAR000276295

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000646117
TSDF Name:	CHEMICAL WASTE MANAGEMENT INC KETTLEMAN
TSDF Address 1:	35251 OLD SKYLINE ROAD
TSDF Address 2:	Not reported
TSDF City:	KETTLEMAN CITY
TSDF Zip:	93210-0000
TSDF Telephone:	Not reported

Federal:

Year:	2019
EM Manifest ID:	277870
Generator EPA ID:	CAR000009969
Shipment Date:	2019-01-09
Manifest Number:	020150348JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D001

Year:	2019
EM Manifest ID:	277870
Generator EPA ID:	CAR000009969
Shipment Date:	2019-01-09
Manifest Number:	020150348JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

Year:	2019
EM Manifest ID:	277870
Generator EPA ID:	CAR000009969
Shipment Date:	2019-01-09
Manifest Number:	020150348JJK
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
Federal Code:	D002

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

State:

Year:	2019
EM Manifest ID:	277870
Generator EPA ID:	CAR000009969
Shipment Date:	2019-01-09
Manifest Number:	020150348JJK
Line Number:	1
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2019
EM Manifest ID:	277870
Generator EPA ID:	CAR000009969
Shipment Date:	2019-01-09
Manifest Number:	020150348JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2019
EM Manifest ID:	277870
Generator EPA ID:	CAR000009969
Shipment Date:	2019-01-09
Manifest Number:	020150348JJK
Line Number:	3
Method Code:	H141
Quantity Tons:	0.00250
Quantity Waste:	5.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2019
EM Manifest ID:	277870
Generator EPA ID:	CAR000009969
Shipment Date:	2019-01-09
Manifest Number:	020150348JJK
Line Number:	4
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Year:	2019
EM Manifest ID:	277870
Generator EPA ID:	CAR000009969
Shipment Date:	2019-01-09
Manifest Number:	020150348JJK
Line Number:	5
Method Code:	H141
Quantity Tons:	0.00500
Quantity Waste:	10.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Fiberboard or plastic drums, barrels, kegs
Quantity Type:	Pounds
State Code:	551

Detail Two:

Year:	2018
EM Manifest ID:	017361564JJK20170913_D_1
Shipment Date:	9/13/2017
Receipt Date:	9/19/2017
Manifest Number:	017361564JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000188201
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000646117
TSDF Name:	CHEMICAL WASTE MANAGEMENT
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	017361564JJK20170913_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2017-09-13
Manifest Number:	017361564JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.20000
Quantity Waste:	400.000000

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Quantity Unit:	P
Number of Containers:	2
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	017361564JJK20170913_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2017-09-13
Manifest Number:	017361564JJK
Line Number:	2
Method Code:	H141
Quantity Tons:	0.30000
Quantity Waste:	600.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	291
Year:	2018
EM Manifest ID:	017361564JJK20170913_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2017-09-13
Manifest Number:	017361564JJK
Line Number:	3
Method Code:	H132
Quantity Tons:	0.02000
Quantity Waste:	40.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352
Year:	2018
EM Manifest ID:	107266
Shipment Date:	9/12/2018
Receipt Date:	9/24/2018
Manifest Number:	017253409JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	909-658-9147
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	NVT330010000
TSDF Name:	US ECOLOGY NEVADA, INC

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

TSDF Address 1:	HWY 95 11 MI S OF BEATTY
TSDF Address 2:	Not reported
TSDF City:	BEATTY
TSDF Zip:	89003
TSDF Telephone:	800-510-8510

State:

Year:	2018
EM Manifest ID:	107266
Generator EPA ID:	CAR000009969
Shipment Date:	2018-09-12
Manifest Number:	017253409JJK
Line Number:	1
Method Code:	H039
Quantity Tons:	0.06000
Quantity Waste:	120.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	223

Year:	2018
EM Manifest ID:	015817963JJK20170817_D_1
Shipment Date:	8/17/2017
Receipt Date:	8/23/2017
Manifest Number:	015817963JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000188201
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZD982484578
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	015817963JJK20170817_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2017-08-17
Manifest Number:	015817963JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.19800

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

Year: 2018
EM Manifest ID: 015817963JJK20170817_D_1
Generator EPA ID: CAR000009969
Shipment Date: 2017-08-17
Manifest Number: 015817963JJK
Line Number: 2
Method Code: H061
Quantity Tons: 0.22935
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
Federal Code: D001

State:
Year: 2018
EM Manifest ID: 015817963JJK20170817_D_1
Generator EPA ID: CAR000009969
Shipment Date: 2017-08-17
Manifest Number: 015817963JJK
Line Number: 1
Method Code: H061
Quantity Tons: 0.19800
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 214

Year: 2018
EM Manifest ID: 015817963JJK20170817_D_1
Generator EPA ID: CAR000009969
Shipment Date: 2017-08-17
Manifest Number: 015817963JJK
Line Number: 2
Method Code: H061
Quantity Tons: 0.22935
Quantity Waste: 55.000000
Quantity Unit: G
Number of Containers: 1
Type of Container: NULL
Quantity Type: NULL
State Code: 141

Year: 2018
EM Manifest ID: 015817964JJK20170817_D_1
Shipment Date: 8/17/2017

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Receipt Date:	8/24/2017
Manifest Number:	015817964JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000188201
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000646117
TSDF Name:	CHEMICAL WASTE MANAGEMENT
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	015817964JJK20170817_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2017-08-17
Manifest Number:	015817964JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.01500
Quantity Waste:	30.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	87168
Shipment Date:	7/27/2018
Receipt Date:	8/6/2018
Manifest Number:	018217965JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City:	MORENO VALLEY
Zip:	92551
Telephone:	800-424-9300
Contact:	Not reported
Contact Telephone:	909-658-9147
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

TSDF EPA ID: CAT000646117
TSDF Name: CHEMICAL WASTE MANAGEMENT, INC.
TSDF Address 1: 35251 OLD SKYLINE ROAD
TSDF Address 2: Not reported
TSDF City: KETTLEMAN CITY
TSDF Zip: 93239
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 87168
Generator EPA ID: CAR000009969
Shipment Date: 2018-07-27
Manifest Number: 018217965JJK
Line Number: 1
Method Code: H132
Quantity Tons: 0.60000
Quantity Waste: 1200.000000
Quantity Unit: P
Number of Containers: 4
Type of Container: Fiberboard or plastic drums, barrels, kegs
Quantity Type: Pounds
State Code: 352

Year: 2018
EM Manifest ID: 66103
Shipment Date: 7/11/2018
Receipt Date: 7/24/2018
Manifest Number: 018217652JJK
Generator EPA ID: CAR000009969
Name: MORENO VALLEY TRANSFER STATION
Address: 17700 INDIAN ST
Address 2: Not reported
City: MORENO VALLEY
Zip: 92551
Telephone: 800-424-9300
Contact: Not reported
Contact Telephone: 951-242-0421
Transporter 1 EPA ID: CAR000276295
Transporter 1 Emergency Number: Not reported
Transporter 2 EPA ID: CAD982030173
Transporter 2 Emergency Number: Not reported
TSDF EPA ID: CAT000646117
TSDF Name: CHEMICAL WASTE MANAGEMENT, INC.
TSDF Address 1: 35251 OLD SKYLINE ROAD
TSDF Address 2: Not reported
TSDF City: KETTLEMAN CITY
TSDF Zip: 93239
TSDF Telephone: Not reported

State:
Year: 2018
EM Manifest ID: 66103
Generator EPA ID: CAR000009969
Shipment Date: 2018-07-11
Manifest Number: 018217652JJK
Line Number: 1

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Method Code:	H132
Quantity Tons:	0.15000
Quantity Waste:	300.000000
Quantity Unit:	P
Number of Containers:	2
Type of Container:	Metal drums, barrels, kegs
Quantity Type:	Pounds
State Code:	291

Year:	2018
EM Manifest ID:	015816718JJK20170628_D_1
Shipment Date:	6/28/2017
Receipt Date:	7/6/2017
Manifest Number:	015816718JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000188201
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000646117
TSDF Name:	CHEMICAL WASTE MANAGEMENT
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	015816718JJK20170628_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2017-06-28
Manifest Number:	015816718JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.60000
Quantity Waste:	1200.000000
Quantity Unit:	P
Number of Containers:	3
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	017035660JJK20170428_D_1
Shipment Date:	4/28/2017
Receipt Date:	5/7/2017
Manifest Number:	017035660JJK

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000188201
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZD982484578
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	017035660JJK20170428_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2017-04-28
Manifest Number:	017035660JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.18000
Quantity Waste:	50.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	017035660JJK20170428_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2017-04-28
Manifest Number:	017035660JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.18000
Quantity Waste:	50.000000
Quantity Unit:	G
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018
EM Manifest ID:	018447194JJK20180427_D_1
Shipment Date:	4/27/2018

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Receipt Date:	5/7/2018
Manifest Number:	018447194JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	AZD982484578
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	ARD981057870
TSDF Name:	RINECO
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

Federal:

Year:	2018
EM Manifest ID:	018447194JJK20180427_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2018-04-27
Manifest Number:	018447194JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
Federal Code:	D001

State:

Year:	2018
EM Manifest ID:	018447194JJK20180427_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2018-04-27
Manifest Number:	018447194JJK
Line Number:	1
Method Code:	H061
Quantity Tons:	0.05000
Quantity Waste:	100.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	214

Year:	2018

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

EM Manifest ID:	018447195JJK20180427_D_1
Shipment Date:	4/27/2018
Receipt Date:	5/17/2018
Manifest Number:	018447195JJK
Generator EPA ID:	CAR000009969
Name:	MORENO VALLEY TRANSFER STATION
Address:	Not reported
Address 2:	Not reported
City:	Not reported
Zip:	Not reported
Telephone:	Not reported
Contact:	Not reported
Contact Telephone:	Not reported
Transporter 1 EPA ID:	CAR000276295
Transporter 1 Emergency Number:	Not reported
Transporter 2 EPA ID:	CAD982030173
Transporter 2 Emergency Number:	Not reported
TSDF EPA ID:	CAT000646117
TSDF Name:	CHEMICAL WASTE MANAGEMENT
TSDF Address 1:	Not reported
TSDF Address 2:	Not reported
TSDF City:	Not reported
TSDF Zip:	Not reported
TSDF Telephone:	Not reported

State:

Year:	2018
EM Manifest ID:	018447195JJK20180427_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2018-04-27
Manifest Number:	018447195JJK
Line Number:	1
Method Code:	H132
Quantity Tons:	0.10000
Quantity Waste:	200.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

Year:	2018
EM Manifest ID:	018447195JJK20180427_D_1
Generator EPA ID:	CAR000009969
Shipment Date:	2018-04-27
Manifest Number:	018447195JJK
Line Number:	2
Method Code:	H132
Quantity Tons:	0.07500
Quantity Waste:	150.000000
Quantity Unit:	P
Number of Containers:	1
Type of Container:	NULL
Quantity Type:	NULL
State Code:	352

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Additional Info:

Year:	2017
Gen EPA ID:	CAR000009969
Shipment Date:	20171114
Creation Date:	6/13/2018 18:30:39
Receipt Date:	20171124
Manifest ID:	017998002JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	291 - Latex waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1825
Waste Quantity:	365
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	6/13/2018 18:31:35
Receipt Date:	20171122
Manifest ID:	017998004JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	551 - Laboratory waste chemicals 561 Detergent and soap
RCRA Code:	D001
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	6/13/2018 18:31:35
Receipt Date:	20171122

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Manifest ID:	017998004JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD044429835
Trans Name:	CLEAN HARBORS WILMINGTON LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.01
Waste Quantity:	20
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171114
Creation Date:	10/9/2018 18:30:56
Receipt Date:	20171126
Manifest ID:	017998001JJK
Trans EPA ID:	CAR000276295
Trans Name:	WM ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL IND
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	214 - Unspecified solvent mixture
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.06
Waste Quantity:	120
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171106
Creation Date:	6/13/2018 18:30:34
Receipt Date:	20171114
Manifest ID:	017726096JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAT080013352
Trans Name:	DEMENNO / KERDOON
TSDF Alt EPA ID:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

TSDF Alt Name:	Not reported
Waste Code Description:	343 - Unspecified organic liquid mixture
RCRA Code:	D018
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.068
Waste Quantity:	20
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171106
Creation Date:	6/13/2018 18:31:07
Receipt Date:	20171114
Manifest ID:	017726095JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	491 - Unspecified sludge waste
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20171020
Creation Date:	5/30/2018 18:30:45
Receipt Date:	20171030
Manifest ID:	017794491JJK
Trans EPA ID:	CAD028277036
Trans Name:	ASBURY ENVIRONMENTAL SERVICES
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD097030993
Trans Name:	US ECOLOGY VERNON INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.15
Waste Quantity:	300

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170913
Creation Date:	5/30/2018 18:34:06
Receipt Date:	20170919
Manifest ID:	017361564JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.2
Waste Quantity:	400
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20170913
Creation Date:	5/30/2018 18:34:06
Receipt Date:	20170919
Manifest ID:	017361564JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	CAD982030173
Trans 2 Name:	ECOLOGY CONTROL INDUSTRIES
TSDF EPA ID:	CAT000646117
Trans Name:	CHEMICAL WASTE MANAGEMENT
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H132 - Landfill Or Surface Impoundment That Will Be Closed As Landfill(To Include On-Site Treatment And/Or Stabilization)
Quantity Tons:	0.02
Waste Quantity:	40
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Shipment Date:	20170913
Creation Date:	10/18/2018 18:30:10
Receipt Date:	20170918
Manifest ID:	017361565JJK
Trans EPA ID:	CAR000188201
Trans Name:	ENVIROSERV
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	NVT330010000
Trans Name:	US ECOLOGY
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H039 - Other Recovery Of Reclamation For Reuse Including Acid Regeneration, Organics Recovery Ect
Quantity Tons:	0.2085
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2016
Gen EPA ID:	CAR000009969
Shipment Date:	20151021
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151021
Manifest ID:	013960856JJK
Trans EPA ID:	ILD984835785
Trans Name:	WASTE MANAGEMENT
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	KINSBURSKY BROTHERS INC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.44
Waste Quantity:	880
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0575
Waste Quantity:	115
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.31
Waste Quantity:	620
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	232 - Pesticides and other waste associated with pesticide production
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.021
Waste Quantity:	42
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2015
Gen EPA ID:	CAR000009969

Shipment Date:	20151021
Creation Date:	12/22/2015 22:15:31
Receipt Date:	20151021
Manifest ID:	013960856JJK
Trans EPA ID:	ILD984835785
Trans Name:	WASTE MANAGEMENT
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	CAD088504881
Trans Name:	KINSBURSKY BROTHERS INC
TSDF Alt EPA ID:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	5/4/2016 22:15:28
Receipt Date:	20151020
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.026
Waste Quantity:	52
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.004
Waste Quantity:	8
Quantity Unit:	P

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0025
Waste Quantity:	5
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	232 - Pesticides and other waste associated with pesticide production
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.021
Waste Quantity:	42
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.31
Waste Quantity:	620
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0125
Waste Quantity:	25
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20151013
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	008929604FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	ALR000007237
Trans 2 Name:	ACTION RESOURCES
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0575
Waste Quantity:	115
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2014
Gen EPA ID:	CAR000009969
Shipment Date:	20141204
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D008
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.5
Waste Quantity:	1000
Quantity Unit:	P
Additional Code 1:	D002
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141204
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	212 - Oxygenated solvents (acetone, butanol, ethyl acetate, etc.
RCRA Code:	U239
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141204

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.02085
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141204
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.225
Waste Quantity:	450
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141204
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	223 - Unspecified oil-containing waste
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.05
Waste Quantity:	100
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141204
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0075
Waste Quantity:	15
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20141204
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0495
Waste Quantity:	15
Quantity Unit:	G

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141204
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.0495
Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141204
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.19
Waste Quantity:	50
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20141204
Creation Date:	Not reported
Receipt Date:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Manifest ID:	007893548FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.5445
Waste Quantity:	165
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2013
Gen EPA ID:	CAR000009969
Shipment Date:	20131226
Creation Date:	6/25/2014 22:14:54
Receipt Date:	20140103
Manifest ID:	006725817FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.19
Waste Quantity:	380
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	6/25/2014 22:14:54
Receipt Date:	20140103
Manifest ID:	006725817FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	6/25/2014 22:14:54
Receipt Date:	20140103
Manifest ID:	006725817FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1
Waste Quantity:	200
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	6/25/2014 22:14:54
Receipt Date:	20140103
Manifest ID:	006725817FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	232 - Pesticides and other waste associated with pesticide production
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.06255

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Waste Quantity:	15
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	6/9/2014 22:15:05
Receipt Date:	20140131
Manifest ID:	006725819FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	181 - Other inorganic solid waste Organics
RCRA Code:	D001
Meth Code:	H040 - Incineration--Thermal Destruction Other Than Use As A Fuel
Quantity Tons:	0.015
Waste Quantity:	30
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20131226
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006725817FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Shipment Date:	20131226
Creation Date:	6/30/2015 15:53:12
Receipt Date:	20140103
Manifest ID:	006729377FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	352 - Other organic solids
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.1875
Waste Quantity:	375
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131226
Creation Date:	6/9/2014 22:15:05
Receipt Date:	20140131
Manifest ID:	006725819FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	OKD981588791
Trans 2 Name:	TRIAD TRANSPORT
TSDF EPA ID:	ARD069748192
Trans Name:	CLEAN HARBORS EL DORADO LLC
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	135 - Unspecified aqueous solution
RCRA Code:	Not reported
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.021
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131226
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006725817FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.0165
Waste Quantity:	5
Quantity Unit:	G
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20131226
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	006725817FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	- Not reported
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	Not reported
Waste Quantity:	Not reported
Quantity Unit:	Not reported
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Additional Info:

Year:	2012
Gen EPA ID:	CAR000009969

Shipment Date:	20121114
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	141 - Off-specification, aged, or surplus inorganics

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121114
Creation Date:	4/9/2013 22:15:07
Receipt Date:	20121125
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.005
Waste Quantity:	10
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121114
Creation Date:	4/9/2013 22:15:07
Receipt Date:	20121125
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	791 - Liquids with pH < 2 792 Liquids with pH < 2 with metals
RCRA Code:	D002
Meth Code:	H141 - Storage, Bulking, And/Or Transfer Off Site--No Treatment/Reovery (H010-H129) Or (H131-H135)
Quantity Tons:	0.025
Waste Quantity:	50
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121114
Creation Date:	4/9/2013 22:15:07
Receipt Date:	20121125
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D001
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121114
Creation Date:	4/9/2013 22:15:07
Receipt Date:	20121125
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	D035
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.25
Waste Quantity:	500
Quantity Unit:	P
Additional Code 1:	D001
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121114
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	- Not reported
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121114
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	221 - Waste oil and mixed oil
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.075
Waste Quantity:	150
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

Shipment Date:	20121114
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

Meth Code:	- Not reported
Quantity Tons:	0.035
Waste Quantity:	70
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121114
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	331 - Off-specification, aged, or surplus organics
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.6
Waste Quantity:	1200
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported
Shipment Date:	20121114
Creation Date:	Not reported
Receipt Date:	Not reported
Manifest ID:	004683173FLE
Trans EPA ID:	NJD986607380
Trans Name:	MAUMEE EXPRESS INC
Trans 2 EPA ID:	Not reported
Trans 2 Name:	Not reported
TSDF EPA ID:	ARD981057870
Trans Name:	RINECO
TSDF Alt EPA ID:	Not reported
TSDF Alt Name:	Not reported
Waste Code Description:	232 - Pesticides and other waste associated with pesticide production
RCRA Code:	Not reported
Meth Code:	H061 - Fuel Blending Prior To Energy Recovery At Another Site
Quantity Tons:	0.03
Waste Quantity:	60
Quantity Unit:	P
Additional Code 1:	Not reported
Additional Code 2:	Not reported
Additional Code 3:	Not reported
Additional Code 4:	Not reported
Additional Code 5:	Not reported

MORENO VALLEY TRANSFER STATION (Continued) **1001085672**

HWTS:

Name:	MORENO VALLEY TRANSFER STATION
Address:	17700 INDIAN ST
Address 2:	Not reported
City,State,Zip:	MORENO VALLEY, CA 92551
EPA ID:	CAR000009969
Inactive Date:	Not reported
Create Date:	06/20/1996
Last Act Date:	Not reported
Mailing Name:	Not reported
Mailing Address:	17700 INDIAN ST
Mailing Address 2:	Not reported
Mailing City,State,Zip:	MORENO VALLEY, CA 925519511
Owner Name:	WASTE MANAGEMENT INLAND EMPIRE
Owner Address:	17700 INDIAN ST
Owner Address 2:	Not reported
Owner City,State,Zip:	MORENO VALLEY, CA 925559511
Contact Name:	MICHAEL MOORE
Contact Address:	17700 INDIAN ST
Contact Address 2:	Not reported
City,State,Zip:	MORENO VALLEY, CA 92551
Facility Status:	Active
Facility Type:	PERMANENT
Category:	FEDERAL
Latitude:	33.862793
Longitude:	-117.234706

NAICS:

EPA ID:	CAR000009969
Create Date:	2004-10-20 10:23:57.043
NAICS Code:	48421
NAICS Description:	Used Household and Office Goods Moving
Issued EPA ID Date:	1996-06-20 00:00:00
Inactive Date:	Not reported
Facility Name:	MORENO VALLEY TRANSFER STATION
Facility Address:	17700 INDIAN ST
Facility Address 2:	Not reported
Facility City:	MORENO VALLEY
Facility County:	Not reported
Facility State:	CA
Facility Zip:	925510000

C10 **MORENO VALLEY SOLID WASTE R&T FACILITY** **LOS ANGELES CO LF METHANE** **S127128213**
North **N/A**
1/4-1/2 **, CA**
0.432 mi.
2281 ft. **Site 2 of 2 in cluster C**

Relative:
Higher

Actual:
1472 ft.

LOS ANGELES CO LF METHANE:

Name:	MORENO VALLEY SOLID WASTE R&T FACILITY
Address:	Not reported
City,State,Zip:	CA
Site Number:	2755
Status:	Not reported
Description:	Not reported
Operator Name:	Not reported
Operator Telephone:	Not reported

MORENO VALLEY SOLID WASTE R&T FACILITY (Continued) **S127128213**

Sup District:	Not reported
Shape Length:	Not reported
Shape Area:	Not reported
Latitude:	Not reported
Longitude:	Not reported

11
East
1/2-1
0.699 mi.
3693 ft.

MEADE VALLEY ELEMENTARY SCHOOL ADDITION **ENVIROSTOR** **S118756752**
21-100 OLEANDER AVENUE **SCH** **N/A**
PERRIS, CA 92570

Relative:
Lower

Actual:
1462 ft.

ENVIROSTOR:

Name:	MEADE VALLEY ELEMENTARY SCHOOL ADDITION
Address:	21-100 OLEANDER AVENUE
City,State,Zip:	PERRIS, CA 92570
Facility ID:	33820011
Status:	No Action Required
Status Date:	10/13/2000
Site Code:	404133
Site Type:	School Investigation
Site Type Detailed:	School
Acres:	Not reported
NPL:	NO
Regulatory Agencies:	DTSC
Lead Agency:	DTSC
Program Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Assembly:	61
Senate:	31
Special Program:	Not reported
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	School District
Latitude:	33.85737
Longitude:	-117.2227
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	MEADE VALLEY ELEMENTARY SCHOOL ADDITION
Alias Type:	Alternate Name
Alias Name:	VAL VERDE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	VAL VERDE USD-MEADE VALLEY ELEM
Alias Type:	Alternate Name
Alias Name:	404133
Alias Type:	Project Code (Site Code)
Alias Name:	33820011
Alias Type:	Envirostor ID Number

Completed Info:

Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Cost Recovery Closeout Memo
Completed Date:	11/22/2000

MEADE VALLEY ELEMENTARY SCHOOL ADDITION (Continued) **S118756752**

Comments:	Not reported
Completed Area Name:	PROJECT WIDE
Completed Sub Area Name:	Not reported
Completed Document Type:	Phase 1
Completed Date:	10/13/2000
Comments:	Not reported
Future Area Name:	Not reported
Future Sub Area Name:	Not reported
Future Document Type:	Not reported
Future Due Date:	Not reported
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

SCH:

Name:	MEADE VALLEY ELEMENTARY SCHOOL ADDITION
Address:	21-100 OLEANDER AVENUE
City,State,Zip:	PERRIS, CA 92570
Facility ID:	33820011
Site Type:	School Investigation
Site Type Detail:	School
Site Mgmt. Req.:	NONE SPECIFIED
Acres:	Not reported
National Priorities List:	NO
Cleanup Oversight Agencies:	DTSC
Lead Agency:	DTSC
Lead Agency Description:	* DTSC
Project Manager:	Not reported
Supervisor:	Javier Hinojosa
Division Branch:	Southern California Schools & Brownfields Outreach
Site Code:	404133
Assembly:	61
Senate:	31
Special Program Status:	Not reported
Status:	No Action Required
Status Date:	10/13/2000
Restricted Use:	NO
Funding:	School District
Latitude:	33.85737
Longitude:	-117.2227
APN:	NONE SPECIFIED
Past Use:	* EDUCATIONAL SERVICES
Potential COC:	NONE SPECIFIED, No Contaminants found
Confirmed COC:	NONE SPECIFIED
Potential Description:	NMA
Alias Name:	MEADE VALLEY ELEMENTARY SCHOOL ADDITION
Alias Type:	Alternate Name
Alias Name:	VAL VERDE UNIFIED SCHOOL DISTRICT
Alias Type:	Alternate Name
Alias Name:	VAL VERDE USD-MEADE VALLEY ELEM
Alias Type:	Alternate Name
Alias Name:	404133

MEADE VALLEY ELEMENTARY SCHOOL ADDITION (Continued) **S118756752**

Alias Type: Project Code (Site Code)
Alias Name: 33820011
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Cost Recovery Closeout Memo
Completed Date: 11/22/2000
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Phase 1
Completed Date: 10/13/2000
Comments: Not reported

Future Area Name: Not reported
Future Sub Area Name: Not reported
Future Document Type: Not reported
Future Due Date: Not reported
Schedule Area Name: Not reported
Schedule Sub Area Name: Not reported
Schedule Document Type: Not reported
Schedule Due Date: Not reported
Schedule Revised Date: Not reported

D12 **MARCH AIR FORCE BASE** **CA BOND EXP. PLAN** **S105960470**
NW **N/A**
1/2-1 **MORENO VALLEY, CA 92518**
0.849 mi.
4482 ft. **Site 1 of 2 in cluster D**

Relative: Higher

Actual: 1483 ft.

CA BOND EXP. PLAN:
Reponsible Party: FEDERAL FACILITY SITE CLEANUP WORKPLAN
Project Revenue Source Company: Not reported
Project Revenue Source Addr: Not reported
Project Revenue Source City,St,Zip: Not reported
Project Revenue Source Desc: The Department will either enter into an interagency agreement with the Department of Defense of issue an order for oversight/monitoring of the Air Force's cleanup efforts. DHS has budgeted $100,000 for its oversight/monitoring costs. DHS will recover 100 percent of direct costs plus staff costs and overhead related to the project. The Department of Defense will pay all costs associated with remedial investigation and cleanup activities.
Site Description: The site is a U.S. Air Force Base.
Hazardous Waste Desc: The initial assessment at this site identified hazardous waste disposal on base in landfills, burning pits, dry wells, and ground disposal. Several types of wastes associated with aircraft and general maintenance were identified, including fuels, oils, polychlorinated biphenyls (PCBs), pesticides, low-level radiation, and the solvents trichloroethylene (TCE) and perchloroethylene (PCE).
Threat To Public Health & Env: Past disposal practices at March Air Force Base pose a threat to surface and ground water. Work to date has identified ground water contamination on and off base, and recently, in private wells east of the base perimeter. There is no known exposure at this time.
Site Activity Status: The installation restoration program has been initiated at this base. Currently the program is in the confirmation/quantification step of the mitigation process. DHS's oversight has increased due to contamination of drinking water supplies.

D13
NW
1/2-1
0.849 mi.
4482 ft.

MARCH AIR RESERVE BASE
3,545 ACRES; EAST OF RIVERSIDE
RIVERSIDE, CA 92518

Site 2 of 2 in cluster D

ENVIROSTOR **S104241831**
HIST Cal-Sites **N/A**

Relative:
Higher

Actual:
1483 ft.

ENVIROSTOR:

Name:	MARCH AIR RESERVE BASE
Address:	3,545 ACRES; EAST OF RIVERSIDE
City,State,Zip:	RIVERSIDE, CA 92518
Facility ID:	33970004
Status:	Active
Status Date:	07/13/1998
Site Code:	400689
Site Type:	Federal Superfund
Site Type Detailed:	Open Base
Acres:	2500
NPL:	YES
Regulatory Agencies:	SMBRP, RWQCB 8 - Santa Ana, US EPA
Lead Agency:	US EPA
Program Manager:	Alexis White
Supervisor:	Eileen Mananian
Division Branch:	Cleanup Cypress
Assembly:	61
Senate:	31
Special Program:	DSMOA
Restricted Use:	NO
Site Mgmt Req:	NONE SPECIFIED
Funding:	DERA
Latitude:	33.89608
Longitude:	-117.2552
APN:	NONE SPECIFIED
Past Use:	AIRCRAFT MAINTENANCE, AIRFIELD OPERATIONS, DEGREASING FACILITY, DRY CLEANING, ENGINE TESTING/REPAIR, FIRE TRAINING AREAS, FUEL - AIRCRAFT STORAGE/ REFUELING, FUEL - VEHICLE STORAGE/ REFUELING, LANDFILL - DOMESTIC, MACHINE SHOP, OFFICE BUILDING, OIL/WATER
Potential COC:	Lead Polychlorinated biphenyls (PCBs Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-diesel TPH-JET FUEL 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Carbon tetrachloride Chloroform
Confirmed COC:	30013-NO 30018-NO Polynuclear aromatic hydrocarbons (PAHs Tetrachloroethylene (PCE TPH-diesel 1,1,1-Trichloroethane (TCA Trichloroethylene (TCE Chloroform Carbon tetrachloride TPH-JET FUEL
Potential Description:	OTH, SOIL
Alias Name:	ALESSANDRO ARMY AIR FIELD
Alias Type:	Alternate Name
Alias Name:	|
Alias Type:	Alternate Name
Alias Name:	110033608665
Alias Type:	EPA (FRS #)
Alias Name:	DOD100285300
Alias Type:	GeoTracker Global ID
Alias Name:	T10000005654
Alias Type:	GeoTracker Global ID
Alias Name:	T10000005916
Alias Type:	GeoTracker Global ID
Alias Name:	16985
Alias Type:	RB-PCA
Alias Name:	400689

MARCH AIR RESERVE BASE (Continued) **S104241831**

Alias Type: Project Code (Site Code)
Alias Name: 33970004
Alias Type: Envirostor ID Number

Completed Info:
Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 06/08/2010
Comments: The report may be finalized

Completed Area Name: OU 1
Completed Sub Area Name: SIT31
Completed Document Type: Record of Decision
Completed Date: 05/30/2019
Comments: Not reported

Completed Area Name: OU2
Completed Sub Area Name: STE 1
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/24/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision - Amendment
Completed Date: 06/22/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Report
Completed Date: 08/03/2017
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 09/02/2009
Comments: 5 year review report accepted

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Application
Completed Date: 10/30/2007
Comments: Not reported

Completed Area Name: OU2
Completed Sub Area Name: SITE8
Completed Document Type: Pilot Study/Treatability Workplan
Completed Date: 11/12/2015
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Site Characterization Workplan
Completed Date: 01/06/2016
Comments: Not reported

MARCH AIR RESERVE BASE (Continued) **S104241831**

Completed Area Name: OU 1
Completed Sub Area Name: EGETS
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/10/2015
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/21/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 02/10/2021
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Federal Facility Agreement
Completed Date: 06/28/2017
Comments: signed in 1990

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Correspondence
Completed Date: 08/16/2017
Comments: Not reported

Completed Area Name: OU2
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Investigation Workplan
Completed Date: 08/26/2005
Comments: Although there are unresolved issues, DTSC agrees the finalization of the work plan and leaves comments on fate and transport of VOCs and on off-base migration of VOC plumes to be discussed/disputed when the RI report becomes available.

Completed Area Name: OU 1
Completed Sub Area Name: STE 9
Completed Document Type: Feasibility Study Report
Completed Date: 03/25/1996
Comments: RIFS - SITE 9: The removal of the OW/S will eliminate a potential source area for groundwater contamination in the future. This Site Specific Action Memorandum was prepared to evaluate and identify the most effective remedial alternative to remove the OW/S and dispose of the expected 100 cubic yards of oil contaminated soil. On-base consolidation with Site 6 lined waste cell provides the maximum level of regulatory compliance within the lowest cost level and is compatible with land use. Site 9 is recommended for military reuse under the Joint Power Authority preferred alternative. Site 9 vicinity may potentially have Beechy's Squirrel and Burrowing Owl, but excavation activities will be focused on the OW/S. No potential wetlands are located in Site 9 vicinity. ' RIFS - SITE 1: Soil sampling at Site 1 detected polycyclic aromatic hydrocarfons (PAHs) as contaminant of concerns. Ground- water samples detected metals;

MARCH AIR RESERVE BASE (Continued) **S104241831**

however, only manganese was detected above US Environmental Protection Agency Preliminary remediation Goals (PRGs). Soil from Site 1 was excavated during construction of the Air National Guard Alert Facility. Approximately, 3,100 cubic yards of PAH contaminated soil has been stockpiled on-site under plastic sheeting pending disposal. The risk assessment for Site 1 determined that no human health risk was present at the site because the exposure pathway was limited. Now that the soil has been disturbed, the soil stockpiled at Site 1 needs to be removed to preclude further exposure. This Site Specific Action Memorandum was prepared to evaluate and identify the most effective disposal alternative. The site is planned for Air National Guard use and will remain in military use. Site 1 is not a habitat for any endangered species and no perennial wetlands are located in its vicinity.

Completed Area Name: OU 1
Completed Sub Area Name: STE10
Completed Document Type: * Remedial or Removal Design
Completed Date: 02/02/1996
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: STE15
Completed Document Type: * Remedial or Removal Design
Completed Date: 02/02/1996
Comments: DES - SITE 10: This is part of OU#1. The drainage channel, which was installed prior to 1940, has reportedly received various oils , hydraulic fluids, diesel fuel, jet fuel, waste paints, paint strippers, paint thinners, battery acids and solvents. The drainage channel is concretelined (since the 1960s) up to the eastern boundary of the base where it discharges to the Perris Valley storm drain. The objectives of this remediation of contaminated sediment from Site 10, pursuant to the cleanup criteria set forth in the final OU#1 Record of Decision (ROD). Approximately 15 cubic yards of sediment material will be removed from the concrete-lined channel and transported off-site to Candelaria Environmental for bioremediation. ‘ DES - SITE 15: This is also part of OU#1. The Fire Training Area (FTA), Site 15, was developed in 1978 and was reportedly constructed by placing an underdrain system and gravel over a clay liner. Firefighting water, solutions of Aqueous Film Forming Form (AFFF) and residual fuel used during training exercises were drained to a formely unlined water holding pond located adjacent to the FTA. Approximately 6000 gallons per year of contaminated JP-4 have been burned in training exercises since the facility was constructed in 1978. The primary contaminants of concern are Benzene, Naphthalene, 2-Methylnaphthalene and Phenanthrene. The remedial actions for Site 15 will require the handling of two streams; the evaporation pond water and soils contaminated with PAHs. Approximately 4,500 gallons of water, from the evaporation pond, will be transferred to a base sewer inlet located one-half mile from Site 15 using a 5,000-gallon vacuum truck supplied by Environmental Dynamic. Approximately 8,950 tons of contaminated soil will be transported off-site to Candelaria Environmental for bioremediation. The objectives of this remedial action were set forth in the final OU# 1 Record of Decision (ROD).

Completed Area Name: OU-3
Completed Sub Area Name: Not reported

MARCH AIR RESERVE BASE (Continued) **S104241831**

Completed Document Type: Remedial Action Plan
Completed Date: 09/14/1995
Comments: RAP OU#3: This ROD/RAP presents the remedial alternative selected to remediate soil and groundwater that is contaminated with petroleum hydrocarbons and solvent beneath Operable Unit #3 (OU#3). OU#3, which encompasses the former Panero Fueling facility, is located on the aircraft apron, between the flightline shops and the taxiway. The major components of the selected alternative include: 1. Institutional control, including fencing, site use restriction, and deed restriction of groundwater use. 2. Quarterly groundwater monitoring. 3. Continued free product recovery. 4. Soil remediation using soil vapor extracion and bioventing. 5. Groundwater source remediation using surfactant and in-situ bioremediation. 6. Groundwater dissolved plume treatment using groundwater pump and treat (Air Strippers) system. The remedy is estimated to achieve cleanup goals within 30 years. Approximate cost: $22,251,655.00

Completed Area Name: OU 1
Completed Sub Area Name: STE34
Completed Document Type: Removal Action Completion Report
Completed Date: 07/11/1996
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: STE34
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/11/1996
Comments: O&M - SITE 34: An area near the oil/water separator, which was improperly installed and is adjacent to Site 34, has been identified as a potential source of the mainly hydrocarbon contamination further to the northwest. In March 1994 the AF installed and began the operation of a bioventing treatability study project at Site 34 to determine the effectiveness of bioventing at this site. This study was completed in July 1996 and successfully demonstrated the effectiveness of bioventing for this site. The Operation and Maintenance (O&M) phase will consist of monthly checks of the bioventing system, completion of operation/maintenance/repair manuals and respiration tests every 6 months of operation. In addition, oxygen, carbon dioxide and hydrocarbon concentrations from the vapor monitoring wells will be monitored on a monthly basis. The O&M of the bioventing system will be performed for a duration of one year after installation and start-up. Data collected from the monthly monitoring is evaluated and used as the basis for adjusting the air flow into the subsurface. Preventive equipment maintenance tasks, in accordance with the manufacturers recommendations, will be performed along with routing maintenance and record keeping activities. Status reports will be prepared and submitted as required for satisfactory operating control and regulatory compliance requirements. Qualified supervisory personnel will oversee execution of the O&M tasks to minimize costs, and ensure timely and accurate operating reports. ‘ DES -SITE 34: The design of the bioventing system was included in the treatability study document. A Remedial Action Workplan was submitted in July 1996 that considered bioventing the final remedial alternative at Site 34. This is consistent with the Operable Unit #1 (OU#1) signed Record of Decision (ROD). The primary advantage in using bioventing is the low cost to install, operate, maintain and monitor the system as compared to other remediation technology. The treatability study has

MARCH AIR RESERVE BASE (Continued) **S104241831**

demonstrated that the bioventing at Site 34 of the hydrocarbon contamination is cost effective, has minimal environmental impact and will achieve the cleanup standards set in the OU#1 ROD. Bioventing is the process of delivering oxygen by forced air into the soil to stimulate or enhance the natural biodegradation process of petroleum hydrocarbon contaminants within the soil. The existing bioventing system at Site 34 was designed with excess air injection capacity, therefore, it may be possible to tap into this system for use at the adjacent sites. ‘ RA - SITE 34: Soil contaminants detected during the RI/FS conducted at Site 34 include VOCs, SVOCs, Pesticides/PCBs, Oil and Grease, JP-4 and Diesel Fuel. The Air Force (AF) will characterize the newly discovered contamination at Site 34 using a soil gas survey which will provide potential locations for soil borings based on contaminant concentrations. The AF installed and successfully demonstrated the effectiveness of a bioventing system at this Site. The objectives of this remedial action is to determine the extent of the new hydrocarbon contamination at the oil/water separator, to evaluate and select the best approach to biovent the site, and to monitor that the bioremedial approach is achieving groundwater protection standards as established in the OU#1 Record of Decision (ROD).

Completed Area Name: OU-3
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 11/13/1996
Comments: RAP - OU#3(SITE 33): This Decision Document (DD), which is equivilant to a Remedial Action Plan (RAP), presents the selected Removal Action upgrade for March Air Reserve Base (MARB) Operable Unit #3 pump and Treat System. This removal action upgrade is selected to increase jet fuel (JP-4) free product recovery rates at OU#3. The State of California, both DTSC and the Santa Ana Regional Water Quality Control Board (RWQCB), signed a Record of Decision (ROD) for OU#3 in September 1995. However, the US Environmental Protection Agency(USEPA) and the Air Force Reserves (AFRs) declined to sign the ROD at the last minute; the USEPA invoking the petroleum exclusion section of CERCLA and the AFRs stating that the preferred alternative in the ROD is too expensive. Therefore, after considerable efforts, all parties agreed to expand and upgrade the existing free product recovery system as an interim remedy for the JP-4 free product beneath OU#3. This action addresses only JP-4 free product and does not address all contamination remaining at the site. the DD went through the RAP requirement of public review and comment.

Completed Area Name: PCAS
Completed Sub Area Name: STE18
Completed Document Type: Removal Action Completion Report
Completed Date: 04/07/1999
Comments: Not reported

Completed Area Name: OU2
Completed Sub Area Name: STE39
Completed Document Type: Removal Action Completion Report
Completed Date: 03/12/1999
Comments: Not reported

Completed Area Name: OU2

MARCH AIR RESERVE BASE (Continued) **S104241831**

Completed Sub Area Name: STE39
Completed Document Type: * Remedial or Removal Design
Completed Date: 02/23/1999
Comments: Not reported

Completed Area Name: OU2
Completed Sub Area Name: STE36
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/07/2000
Comments: Site 36 - OM: A dual phase extraction system, which combines soil vapor extraction with groundwater extraction, is in operation at site 36. This document contains the Operation and Maintenance (O&M) procedures relating to operation and maintenance activities to be conducted at Site 36.

Completed Area Name: OU2
Completed Sub Area Name: STE36
Completed Document Type: Removal Action Completion Report
Completed Date: 05/26/1999
Comments: Not reported

Completed Area Name: PCAS
Completed Sub Area Name: STE18
Completed Document Type: * Remedial or Removal Design
Completed Date: 07/21/1998
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: STE34
Completed Document Type: * Remedial or Removal Design
Completed Date: 07/11/1996
Comments: Not reported

Completed Area Name: PCAS
Completed Sub Area Name: STE33
Completed Document Type: * Remedial or Removal Design
Completed Date: 07/08/1996
Comments: Not reported

Completed Area Name: Sites With No Operable Unit
Completed Sub Area Name: PANER
Completed Document Type: Operation and Maintenance Report
Completed Date: 06/17/1996
Comments: O&M Site 33(PANERO): The Site 33 Pump and Treat System (PTS) consists of flow equalization tanks, an oil-water separator, air stripping, thermal oxidation of air stripper off-gas, and granular activated carbon polishing of the air stripper effluent. An internal combustion engine is used to treat vapors recovered by vapor extraction of the pumping wells. The PTS is designed to sustain continuous operation without direct operator control. Periodic surveillance and maintenance will be required to ensure reliable operation and compliance with regulatory requirements. Process performing monitoring of the vapor and water treatment systems will be conducted. This includes on-site sampling and tests of the influent streams, intermittent treatment points and the effluent streams to verify satisfactory operation, and timely change-out of the GAC treatment units to maintain regulatory discharge limits and cost

MARCH AIR RESERVE BASE (Continued) **S104241831**

effectiveness. Preventive equipment maintenance tasks, in accordance with the manufacturers recommend -ations, will be performed along with routine maintenance and record keeping activities. Normally, one field technician will be required to perform the routine O&M tasks, including well inspections and maintenance, pump overhauls, process instrument calibrations, equipment repairs and replacements. The manufacturer shall have local service representatives capable of responding to equipment failures or problems within 3 hours of initial contact.

Completed Area Name: OU 1
Completed Sub Area Name: SIT31
Completed Document Type: Operation and Maintenance Plan
Completed Date: 05/08/1996
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: SIT31
Completed Document Type: * Remedial or Removal Design
Completed Date: 05/08/1996
Comments: DES - SITE 31: This is part of OU #1. The practice of dis- charging solvents on the ground reportedly occurred from about the mid-1950s to the mid-1970s. In addition, floor drains from maintenance shops may have leaked solvents to the subsurface. The primary contaminants of concern at Site 31 are Trichloro- ethylene (PCE), and traces of other chlorinated solvents. The contaminants are contained within the soils and the groundwater and will require remediation to prevent further contamination of the OU#1 groundwater. Extensive studies to identify source locations, determine site characteristics and evaluate cost effective remedial alternatives have been performed. A dual phase extraction technology coupled with granular activated carbon treatment of extracted groundwater and soil vapor has been selected based on a pilot scale system shown to be a cost- effective method for remediation of this Site. The treatment system shall discharge treated water that will have a daily average concentration of 0.5 ppb TCE or less, and never will exceed a concentration of 5 ppb TCE. Treated groundwater will be reinjected into the aquifer combined with discharge of excess water to the Heacock Storm drain and/or the base sanitary sewer system, as required. Installation of process equipment, surface piping and electrical facilities is planned for the end of April, and startup of the system July 1996. This remedial action complies with the statutory preference for remedies as specified in the Record of Decision (ROD) for OU#1. ‘ O&M SITE 31: The Site 31 dual phase extraction and treatment system is designed to sustain continuous operation without direct operator control. Periodic surveillance and maintenance will be required to ensure reliable operation and compliance with regulatory requirement. Process performing monitoring of the vapor and water treatment systems will be conducted. This includes on-site sampling and tests of the influent streams, intermittent treatment points and the effluent streams to verify satisfactory operation, and timely change-out of the GAC treat- ment units to maintain regulatory discharge limits and cost effectiveness. Preventive equipment maintenance tasks, in accordance with the manufacturers recommendations, will be performed along with routine maintenance and record keeping activities. It is expected that the carbon change-out frequency will gradually decrease as the soil and groundwater

MARCH AIR RESERVE BASE (Continued) **S104241831**

contaminant levels decline with ongoing treatment. Initially the change-outs may occur once every 1-2 months and subsequently may decrease to once or twice a year for the groundwater treatment system. Normally, one field technician will be required to perform the routine O&M tasks, including wells inspections and maintenance, pump overhauls, process instrument calibrations, equipment repairs and replacements. Status reports along with analytical results and discharge records will be prepared and submitted as reqired for satisfactory operating control and regulatory compliance requirements. Qualified supervisory personnel will oversee execution of the O&M tasks to minimize costs, and ensure timely and accurate operating reports.

Completed Area Name: PCAS
Completed Sub Area Name: SITE2
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/05/2007
Comments: routine monitoring report

Completed Area Name: OU 1
Completed Sub Area Name: EGETS
Completed Document Type: Operation and Maintenance Report
Completed Date: 10/04/2006
Comments: The 1st Quarter 2006 OU1 Process Monitoring report is finalized

Completed Area Name: PCAS
Completed Sub Area Name: STE18
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/05/2007
Comments: routine monitoring report

Completed Area Name: OU 1
Completed Sub Area Name: EGETS
Completed Document Type: Operation and Maintenance Report
Completed Date: 12/27/2007
Comments: As a secondary document, no comment letter is required.

Completed Area Name: PCAS
Completed Sub Area Name: STE33
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/05/2007
Comments: Routine monitoring report reviewed by RWQCB

Completed Area Name: PCAS
Completed Sub Area Name: STE27
Completed Document Type: Operation and Maintenance Report
Completed Date: 02/05/2007
Comments: routine monitoring report

Completed Area Name: * BASEWIDE
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Report
Completed Date: 07/16/2013
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: FT29

MARCH AIR RESERVE BASE (Continued) **S104241831**

Completed Document Type: Remedial Investigation Report
Completed Date: 08/20/2013
Comments: Not reported

Completed Area Name: * BASEWIDE
Completed Sub Area Name: Not reported
Completed Document Type: Quality Assurance Workplan
Completed Date: 08/08/2013
Comments: Accepted on Aug 8, 2013

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 08/19/2013
Comments: Not reported

Completed Area Name: * BASEWIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 12/18/2013
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Monitoring Report
Completed Date: 08/21/2014
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Monitoring Report
Completed Date: 08/05/2015
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Monitoring Report
Completed Date: 04/27/2017
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Record of Decision
Completed Date: 05/30/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Land Use Restriction Monitoring Report
Completed Date: 03/12/2014
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Removal Action Completion Report
Completed Date: 03/30/2021
Comments: Not reported

MARCH AIR RESERVE BASE (Continued) **S104241831**

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Monitoring Report
Completed Date: 08/05/2020
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Monitoring Plan
Completed Date: 03/30/2021
Comments: Not reported

Completed Area Name: OU2
Completed Sub Area Name: SIT11
Completed Document Type: Removal Action Completion Report
Completed Date: 05/01/1996
Comments: RA - SITE 11: Site 11 is part of OU#2. It includes an area designated as the Liquid Fuels Management, Bulk Storage Facility. The leaking fuel line section was between the tank car unloading dock (Fuel Pump Station Building 2202 and Building 2340. These fuel lines transport fuels from the fuel storage tanks tot he flight line to enable refueling of aircraft. Leakage of the fuel line was discovered when March AFB personnel noticed a loss in line pressure during an integrity test of a section of the line between the fuel pump station and the flight line. Visual indications of a fuel leak were also observed in and around the concrete valult located adjacent to the fuel pump station. The objective of the Immediate Response Action was to remove and replace the leaking section of the sub-surface JP-8 fuel line. This was accomplished within a very tight schedule (approx. seven days) to prevent the use of outside trucks for delivery of fuels to the aircrafts. The removal action consisted of trenching to expose the sub-surface fuel lines and associated vault area including the demolishing and removal of overlaying asphalt and concrete, the removal of a 230 foot of JP-8 fuel line and a 210 foot section of an inactive JP-8 line was also removed, the placement of a new 8 inch steel JP-8 fuel line and a 12 inch steel road crossing sleeve and reconstruction of demolished concrete vault. Approximately, 380 cubic yards of contaminated soil was removed and stockpiled at Site 15 for remediation. Upon getting the new pipe section on-line the general site area was landscaped and restored to the original condition to the extent possible. This included the backfilling maximum dry density of the soil, and the replacement of the overlaying asphalt.

Completed Area Name: OU2
Completed Sub Area Name: STE 1
Completed Document Type: Feasibility Study Report
Completed Date: 03/25/1996
Comments: Not reported

Completed Area Name: OU2
Completed Sub Area Name: Not reported
Completed Document Type: Remedial Action Plan
Completed Date: 09/29/2005
Comments: DTSC has concurred with the OU2A ROD of March Air Reserve Base. The OU2A ROD addresses Sites 1, 11, 37, and 39. The key provisions of this ROD include institutional controls for Sites 1 and 11 where

MARCH AIR RESERVE BASE (Continued) **S104241831**

residual PAHs exist in the soil that are incompatible with unrestricted land use. The Air Force agreed to incorporate institutional control provisions into the base master plan. In case of base closure, the AF will require the purchasers to enter into State land Use Covenants with DTSC as a condition of land transfer. Sites 37 and 39 require no further actions.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/01/2003
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Fact Sheets
Completed Date: 08/01/2004
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Remedial Investigation / Feasibility Study
Completed Date: 09/21/2017
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Record of Decision w/ESD
Completed Date: 01/29/2014
Comments: The remedy for site soil has been changed to excavation and disposal

Completed Area Name: OU 1
Completed Sub Area Name: Not reported
Completed Document Type: Operation and Maintenance Plan
Completed Date: 08/19/2013
Comments: Not reported

Completed Area Name: * BASEWIDE
Completed Sub Area Name: Not reported
Completed Document Type: 5 Year Review Reports
Completed Date: 11/27/2019
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Characterization Workplan
Completed Date: 02/15/2018
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: STE34
Completed Document Type: Proposed Plan
Completed Date: 06/07/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported

MARCH AIR RESERVE BASE (Continued) **S104241831**

Completed Document Type: Monitoring Report
Completed Date: 04/19/2011
Comments: Secondary document, no approval required.

Completed Area Name: OU2
Completed Sub Area Name: SITE8
Completed Document Type: Pilot/Treatability Study Report
Completed Date: 03/29/2012
Comments: Data to be used in Sites 8 & 36 FFS

Completed Area Name: OU 1
Completed Sub Area Name: EGETS
Completed Document Type: Operations and Maintenance Plan Amendment
Completed Date: 01/06/2011
Comments: DTSC sent a no-comment letter.

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Preliminary Assessment Work Plan
Completed Date: 11/10/2016
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Monitoring Report
Completed Date: 05/08/2014
Comments: secondary document for groundwater monitoring data

Completed Area Name: OU 1
Completed Sub Area Name: FT29
Completed Document Type: Remedial Investigation Report
Completed Date: 07/13/2017
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: EGETS
Completed Document Type: Quality Assurance Workplan
Completed Date: 01/03/2018
Comments: Not reported

Completed Area Name: OU 5
Completed Sub Area Name: Site 49
Completed Document Type: Proposed Plan
Completed Date: 07/05/2018
Comments: Not reported

Completed Area Name: OU 1
Completed Sub Area Name: FT29
Completed Document Type: Remedial Action Completion Report
Completed Date: 04/23/2018
Comments: Not reported

Completed Area Name: PROJECT WIDE
Completed Sub Area Name: Not reported
Completed Document Type: Site Inspections/Visit (Non LUR)
Completed Date: 07/12/2006
Comments: Not reported

MARCH AIR RESERVE BASE (Continued) **S104241831**

Future Area Name:	OU 5
Future Sub Area Name:	Site 49
Future Document Type:	Remedial Investigation Report
Future Due Date:	2024
Future Area Name:	OU 5
Future Sub Area Name:	Site 49
Future Document Type:	Feasibility Study Report
Future Due Date:	2024
Future Area Name:	* BASEWIDE
Future Sub Area Name:	Not reported
Future Document Type:	5 Year Review Reports
Future Due Date:	2024
Schedule Area Name:	Not reported
Schedule Sub Area Name:	Not reported
Schedule Document Type:	Not reported
Schedule Due Date:	Not reported
Schedule Revised Date:	Not reported

Calsite:

Name:	March Air Reserve Base
Address:	3,545 ACRES; EAST OF RIVERSIDE
City:	RIVERSIDE
Region:	GLENDALE
Facility ID:	33970004
Facility Type:	OPEN
Type:	OPEN MILITARY BASE
Branch:	SO
Branch Name:	OMF-SOUTHERN CALIF
File Name:	Not reported
State Senate District:	07131998
Status:	ANNUAL WORKPLAN (AWP) - ACTIVE SITE
Status Name:	ANNUAL WORKPLAN - ACTIVE SITE
Lead Agency:	ENVIRONMENTAL PROTECTION AGENCY
NPL:	Listed
SIC Code:	97
SIC Name:	NATIONAL SECURITY/INTERNATIONAL AFFAIRS
Access:	Not reported
Cortese:	Not reported
Hazardous Ranking Score:	Not reported
Date Site Hazard Ranked:	Not reported
Groundwater Contamination:	Confirmed
Staff Member Responsible for Site:	SNIOU
Supervisor Responsible for Site:	Not reported
Region Water Control Board:	SA
Region Water Control Board Name:	SANTA ANA
Lat/Long Direction:	Not reported
Lat/Long (dms):	0 0 0 / 0 0 0
Lat/long Method:	Not reported
Lat/Long Description:	Not reported
State Assembly District Code:	62
State Senate District Code:	32
Facility ID:	33970004
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	OU2
Proposed Budget:	0
AWP Completion Date:	12312004

MARCH AIR RESERVE BASE (Continued) **S104241831**

Revised Due Date:	06302006
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	DES
Activity Name:	DESIGN
AWP Code:	STE34
Proposed Budget:	0
AWP Completion Date:	07111996
Revised Due Date:	Not reported
Comments Date:	07111996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	DES
Activity Name:	DESIGN
AWP Code:	STE33
Proposed Budget:	0
AWP Completion Date:	07081996
Revised Due Date:	Not reported
Comments Date:	07081996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0

MARCH AIR RESERVE BASE (Continued) **S104241831**

Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	PANER
Proposed Budget:	0
AWP Completion Date:	06171996
Revised Due Date:	Not reported
Comments Date:	06171996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	SIT31
Proposed Budget:	0
AWP Completion Date:	05081996
Revised Due Date:	Not reported
Comments Date:	05081996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0

MARCH AIR RESERVE BASE (Continued) **S104241831**

Facility ID:	33970004
Activity:	DES
Activity Name:	DESIGN
AWP Code:	SIT31
Proposed Budget:	0
AWP Completion Date:	05081996
Revised Due Date:	Not reported
Comments Date:	05081996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SIT11
Proposed Budget:	0
AWP Completion Date:	05011996
Revised Due Date:	Not reported
Comments Date:	05011996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	380
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	CONTAMINATED SOIL REMOVED AND STOCKPILED AT SITE 15 FOR REMEDIATION
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	STE 1
Proposed Budget:	0
AWP Completion Date:	03251996
Revised Due Date:	Not reported
Comments Date:	03251996
Est Person-Yrs to complete:	0

MARCH AIR RESERVE BASE (Continued) **S104241831**

Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RIFS
Activity Name:	REMEDIAL INVESTIGATION / FEASIBILITY STUDY
AWP Code:	STE 9
Proposed Budget:	0
AWP Completion Date:	03251996
Revised Due Date:	Not reported
Comments Date:	03251996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	DES
Activity Name:	DESIGN
AWP Code:	STE10
Proposed Budget:	0
AWP Completion Date:	02021996
Revised Due Date:	Not reported
Comments Date:	02021996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported

MARCH AIR RESERVE BASE (Continued) **S104241831**

Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	DES
Activity Name:	DESIGN
AWP Code:	STE15
Proposed Budget:	0
AWP Completion Date:	02021996
Revised Due Date:	Not reported
Comments Date:	02021996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	OU-3
Proposed Budget:	0
AWP Completion Date:	09141995
Revised Due Date:	Not reported
Comments Date:	09141995
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RA
Activity Name:	REMOVAL ACTION

MARCH AIR RESERVE BASE (Continued) **S104241831**

AWP Code:	STE34
Proposed Budget:	0
AWP Completion Date:	07111996
Revised Due Date:	Not reported
Comments Date:	07111996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	STE34
Proposed Budget:	0
AWP Completion Date:	07111996
Revised Due Date:	Not reported
Comments Date:	07111996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RAP
Activity Name:	REMEDIAL ACTION PLAN / RECORD OF DECISION
AWP Code:	OU-3
Proposed Budget:	0
AWP Completion Date:	11131996
Revised Due Date:	Not reported
Comments Date:	11131996
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP

MARCH AIR RESERVE BASE (Continued) **S104241831**

Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SITEB
Proposed Budget:	0
AWP Completion Date:	04102000
Revised Due Date:	Not reported
Comments Date:	04102000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	SITE8
Proposed Budget:	0
AWP Completion Date:	12312006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0

MARCH AIR RESERVE BASE (Continued) **S104241831**

For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	STE18
Proposed Budget:	0
AWP Completion Date:	04071999
Revised Due Date:	Not reported
Comments Date:	04071999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	GROUNDWATER LEVELS ARE DEPRESSED TO EXPOSE CONTAMINATED SATURATED SOIL FOR CLEANUP BY COMBINED SOIL VAPOR EXTRACTION, AND SOIL AERATION/BIO-VENTING. SVE = 137 SCFM
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	SITE8
Proposed Budget:	0
AWP Completion Date:	12312005
Revised Due Date:	06302007
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	STE39

MARCH AIR RESERVE BASE (Continued) **S104241831**

Proposed Budget:	0
AWP Completion Date:	03121999
Revised Due Date:	Not reported
Comments Date:	03121999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	3000
Liquids Treated (Gals):	3000
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	A BIOVENTING (AIR INJECTION) WELL, TWO BIOVENTING MONITORING PROBES, CONVEYANCE PIPING, AN AIR BLOWER, AND MECHANICAL AND ELECTRICAL APPURTENANCES.
For Commercial Reuse:	1
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	DES
Activity Name:	DESIGN
AWP Code:	STE39
Proposed Budget:	0
AWP Completion Date:	02231999
Revised Due Date:	Not reported
Comments Date:	02231999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	DES
Activity Name:	DESIGN
AWP Code:	SITE8
Proposed Budget:	0
AWP Completion Date:	12312004
Revised Due Date:	12312006
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported

MARCH AIR RESERVE BASE (Continued) **S104241831**

Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	OM
Activity Name:	OPERATION & MAINTENANCE
AWP Code:	STE36
Proposed Budget:	0
AWP Completion Date:	02072000
Revised Due Date:	Not reported
Comments Date:	02072000
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	RA
Activity Name:	REMOVAL ACTION
AWP Code:	STE36
Proposed Budget:	0
AWP Completion Date:	05261999
Revised Due Date:	Not reported
Comments Date:	05261999
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	N
Activity Comments:	INSTALLATION OF A GROUNDWATER EXTRACTION AND TREATMENT SYSTEM IN

MARCH AIR RESERVE BASE (Continued) **S104241831**

COMBINATION WITH A SYSTEM FOR SOIL VAPOR EXTRACTION(SVE).

For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	DES
Activity Name:	DESIGN
AWP Code:	STE18
Proposed Budget:	0
AWP Completion Date:	07211998
Revised Due Date:	Not reported
Comments Date:	07211998
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	STE33
Proposed Budget:	0
AWP Completion Date:	12312007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	STE27

MARCH AIR RESERVE BASE (Continued) **S104241831**

Proposed Budget:	0
AWP Completion Date:	12312006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	SITE8
Proposed Budget:	0
AWP Completion Date:	12312006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	SITE2
Proposed Budget:	0
AWP Completion Date:	12312006
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE

MARCH AIR RESERVE BASE (Continued) **S104241831**

Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	B2307
Proposed Budget:	0
AWP Completion Date:	06302007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0
For Residential Reuse:	0
Unknown Type:	0
Facility ID:	33970004
Activity:	CERT
Activity Name:	CERTIFICATION
AWP Code:	STE18
Proposed Budget:	0
AWP Completion Date:	12312007
Revised Due Date:	Not reported
Comments Date:	Not reported
Est Person-Yrs to complete:	0
Estimated Size:	Not reported
Request to Delete Activity:	Not reported
Activity Status:	AWP
Definition of Status:	ANNUAL WORKPLAN - ACTIVE SITE
Liquids Removed (Gals):	0
Liquids Treated (Gals):	0
Action Included Capping:	Not reported
Well Decommissioned:	Not reported
Action Included Fencing:	Not reported
Removal Action Certification:	Not reported
Activity Comments:	Not reported
For Commercial Reuse:	0
For Industrial Reuse:	0

MARCH AIR RESERVE BASE (Continued) **S104241831**

For Residential Reuse: 0
Unknown Type: 0
Alternate Address: 2374 ACRES; EAST OF RIVERSIDE
Alternate City,St,Zip: RIVERSIDE, CA 92518
Alternate Address: 2990 GRAEBER STREET
Alternate City,St,Zip: MORENO VALLEY, CA 92518
Alternate Address: 3,545 ACRES; EAST OF RIVERSIDE
Alternate City,St,Zip: RIVERSIDE, CA 92518
Background Info: This facility is an active U.S. Air Reserve Base part of the the Air Mobility Command (AMC). The Base's mission is to maintain an effective air to air refueling operation capability. Operations at the Base include: maintenance and repair of air- craft, vehicl es and equipment; operation of a photo lab and printing plant; an d fuel management. March AFB has historically generated the follo wing hazardous wastes: petroleum, oil and lubricants (POLs), chlo rinated and nonclorinated solvents, corrosives, antifreeze, paint and paint strippers, carbon removers and photographic chemicals. Past activities which have resulted in contamination at the base include burning waste in fire fighting training exercises and di scharges to sanitary sewers and storm drains. Groundwater has bee n contaminated with trichloroethylene (TCE). Groundwater is the p rimary source of potable water in this area. There is a potential for contamination of soils and surface water. This base was incl uded on the NPL in 1989. A Federal Facilities Agreement (FFA) was signed between EPA, DHS, the Santa Ana RWQCB and the Air Force i n September 1990, to provide for the remediation of the Base. The Base has been divided into three groups, or operable units, whic h are similar to the State's removal actions, for remediation. Th ese groups are: 1) ground- water and soil for areas along the eas t boundary and off base plume, 2) groundwater and soil for areas not included in units 1 & 3, and 3) groundwater and soil in area 33.
Comments Date: 02021996
Comments: the final OU#1 Record of Decision (ROD). Approximately 15 cubic y
Comments Date: 02021996
Comments: ards of sediment material will be removed from the concrete-lined
Comments Date: 02021996
Comments: channel and transported off-site to Candelaria Environmental for
Comments Date: 02021996
Comments: bioremediation. DES - SITE 15: This is also part of OU#1. The
Comments Date: 07241998
Comments: DES - SITE18: The remediation technology for Site 18 is based
Comments Date: 07241998
Comments: on depressing the groundwater levels to expose contaminated
Comments Date: 07241998
Comments: saturated soils for cleanup by combined soil vapor extraction,
Comments Date: 05011996
Comments: (Fuel Pump Station Building 2202 and Building 2340. These fuel l
Comments Date: 05011996
Comments: ines transport fuels from the fuel storage tanks tot he flight li
Comments Date: 05011996
Comments: ne to enable refueling of aircraft. Leakage of the fuel line was
Comments Date: 06011999
Comments: five extraction wells, 2) Constructing a small concrete pad to
Comments Date: 06011999
Comments: support process equipment. 3) Installing groundwater and vapor
Comments Date: 06011999

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments:	conveyance piping and other necessary equipment to convey soil
Comments Date:	01311996
Comments:	RIFS - SITE L: This EE/CA has been prepared to address a removal
Comments Date:	01311996
Comments:	action proposed for Site L. The swimming pool was converted to a
Comments Date:	01311996
Comments:	waste disposal area for various base wastes including wastes oils
Comments Date:	01311996
Comments:	, solvents, asbestos-containing material, and polychlorinated
Comments Date:	01311996
Comments:	biphenyls (PCBs). The primary sources of contamination are the
Comments Date:	01311996
Comments:	drums, transformers, or other bulk containers which may have been
Comments Date:	01311996
Comments:	disposed of into the former swimming pool, the secondary source
Comments Date:	01311996
Comments:	of contamination is soil or debris saturated with or containing
Comments Date:	01311996
Comments:	high concentrations of contaminants in the immediate areas
Comments Date:	01311996
Comments:	surrounding the primary source, and the concrete containment of
Comments Date:	01311996
Comments:	the swimming pool area is also considered as a possible secondary
Comments Date:	01311996
Comments:	source. The actual type and quantity of wastes in the pool are
Comments Date:	01311996
Comments:	unknown at this time. If the wastes are not currently adequately
Comments Date:	01311996
Comments:	contained, there is a likelihood that both the subsurface soils
Comments Date:	01311996
Comments:	and/or groundwater may continue to be impacted by the wastes. Due
Comments Date:	01311996
Comments:	to the variety of wastes which may be encountered and the
Comments Date:	01311996
Comments:	differences in treating or disposing of those wastes, a
Comments Date:	01311996
Comments:	combination of alternatives is proposed.
Comments Date:	02021996
Comments:	DES - SITE 10: This is part of OU#1. The drainage channel, which
Comments Date:	02021996
Comments:	was installed prior to 1940, has reportedly received various oils
Comments Date:	02021996
Comments:	, hydraulic fluids, diesel fuel, jet fuel, waste paints, paint s
Comments Date:	02021996
Comments:	trippers, paint thinners, battery acids and solvents. The draina
Comments Date:	02021996
Comments:	ge channel is concretelined (since the 1960s) up to the eastern b
Comments Date:	02021996
Comments:	oundary of the base where it discharges to the Perris Valley stor
Comments Date:	02021996
Comments:	m drain. The objectives of this remediation of contaminated sedi
Comments Date:	02021996
Comments:	ment from Site 10, pursuant to the cleanup criteria set forth in
Comments Date:	02021996
Comments:	Fire Training Area (FTA), Site 15, was developed in 1978 and was
Comments Date:	02021996
Comments:	reportedly constructed by placing an underdrain system and grave

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments Date:	02021996
Comments:	l over a clay liner. Firefighting water, solutions of Aqueous Fil
Comments Date:	02021996
Comments:	m Forming Form (AFFF) and residual fuel used during training exer
Comments Date:	02021996
Comments:	cises were drained to a formely unlined water holding pond locate
Comments Date:	02021996
Comments:	d adjacent to the FTA. Approximately 6000 gallons per year of co
Comments Date:	02021996
Comments:	ntaminated JP-4 have been burned in training exercises since the
Comments Date:	02021996
Comments:	facility was constructed in 1978. The primary contaminants of co
Comments Date:	02021996
Comments:	ncern are Benzene, Naphthalene, 2-Methylnaphthalene and Phenanthr
Comments Date:	02021996
Comments:	ene. The remedial actions for Site 15 will require the handling
Comments Date:	02021996
Comments:	of two streams; the evaporation pond water and soils contaminated
Comments Date:	02021996
Comments:	with PAHs. Approximately 4,500 gallons of water, from the evapo
Comments Date:	02021996
Comments:	ration pond, will be transferred to a base sewer inlet located on
Comments Date:	02021996
Comments:	e-half mile from Site 15 using a 5,000-gallon vacuum truck suppli
Comments Date:	02021996
Comments:	ed by Environmental Dynamic. Approximately 8,950 tons of contami
Comments Date:	02021996
Comments:	nated soil will be transported off-site to Candelaria Environment
Comments Date:	02021996
Comments:	al for bioremediation. The objectives of this remedial action we
Comments Date:	02021996
Comments:	re set forth in the final OU# 1 Record of Decision (ROD).
Comments Date:	02072000
Comments:	to be conducted at Site 36.
Comments Date:	02072000
Comments:	Site 36 - OM: A dual phase extraction system, which combines soi
Comments Date:	02072000
Comments:	l vapor extraction with groundwater extraction, is in operation a
Comments Date:	02072000
Comments:	t site 36. This document contains the Operation and Maintenance
Comments Date:	02072000
Comments:	(O&M) procedures relating to operation and maintenance activities
Comments Date:	02241999
Comments:	DES - Site 39: The remedial design objective for Site 39 is to
Comments Date:	02241999
Comments:	reduce the contaminant concentrations in the subsurface soil and
Comments Date:	02241999
Comments:	prevent further degradation of groundwater through contaminant
Comments Date:	02241999
Comments:	migration. The remedial system will include the installation of
Comments Date:	02241999
Comments:	a soil bioventing system. The system will be comprised of a
Comments Date:	02241999
Comments:	bioventing (air injection) well, two bioventing monitoring
Comments Date:	02241999
Comments:	proves, conveyance piping, an air blower, and mechanical and
Comments Date:	02241999

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments:	mechanical and electrical appurtenances. The estimated remedial
Comments Date:	02241999
Comments:	time is 2 years and the volume of soil to be treated is approx.
Comments Date:	02241999
Comments:	3000 cubic yards.
Comments Date:	03251996
Comments:	RIFS - SITE 9: The removal of the OW/S will eliminate a potential
Comments Date:	03251996
Comments:	source area for groundwater contamination in the future. This S
Comments Date:	03251996
Comments:	ite Specific Action Memorandum was prepared to evaluate and ident
Comments Date:	03251996
Comments:	ify the most effective remedial alternative to remove the OW/S an
Comments Date:	03251996
Comments:	d dispose of the expected 100 cubic yards of oil contaminated soi
Comments Date:	03251996
Comments:	l. On-base consolidation with Site 6 lined waste cell provides t
Comments Date:	03251996
Comments:	he maximum level of regulatory compliance within the lowest cost
Comments Date:	03251996
Comments:	level and is compatible with land use. Site 9 is recommended for
Comments Date:	03251996
Comments:	military reuse under the Joint Power Authority preferred alterna
Comments Date:	03251996
Comments:	tive. Site 9 vicinity may potentially have Beechy's Squirrel and
Comments Date:	03251996
Comments:	Burrowing Owl, but excavation activities will be focused on the
Comments Date:	03251996
Comments:	OW/S. No potential wetlands are located in Site 9 vicinity. RIF
Comments Date:	03251996
Comments:	S - SITE 1: Soil sampling at Site 1 detected polycyclic aromatic
Comments Date:	03251996
Comments:	hydrocarfons (PAHs) as contaminant of concerns. Ground- water sam
Comments Date:	03251996
Comments:	ples detected metals; however, only manganese was detected above
Comments Date:	03251996
Comments:	US Environmental Protection Agency Preliminary remediation Goals
Comments Date:	03251996
Comments:	(PRGs). Soil from Site 1 was excavated during construction of th
Comments Date:	03251996
Comments:	e Air National Guard Alert Facility. Approximately, 3,100 cubic y
Comments Date:	03251996
Comments:	ards of PAH contaminated soil has been stockpiled on-site under p
Comments Date:	03251996
Comments:	lastic sheeting pending disposal. The risk assessment for Site 1
Comments Date:	03251996
Comments:	determined that no human health risk was present at the site beca
Comments Date:	03251996
Comments:	use the exposure pathway was limited. Now that the soil has been
Comments Date:	03251996
Comments:	disturbed, the soil stockpiled at Site 1 needs to be removed to p
Comments Date:	03251996
Comments:	reclude further exposure. This Site Specific Action Memorandum w
Comments Date:	03251996
Comments:	as prepared to evaluate and identify the most effective disposal
Comments Date:	03251996
Comments:	alternative. The site is planned for Air National Guard use and w

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments Date:	03251996
Comments:	ill remain in military use. Site 1 is not a habitat for any enda
Comments Date:	03251996
Comments:	ngered species and no perennial wetlands are located in its vicin
Comments Date:	03251996
Comments:	ity.
Comments Date:	04081999
Comments:	RA - SITE 18: The construction of the remedial action for Site 18
Comments Date:	04081999
Comments:	was completed on February 23, 1999 and the system started on
Comments Date:	04081999
Comments:	Friday 26, 1999. The remediation technology for Site 18 is based
Comments Date:	04081999
Comments:	on depressing the groundwater levels to expose contaminated
Comments Date:	04081999
Comments:	saturated soils for cleanup by combined soil vapor extraction,and
Comments Date:	04081999
Comments:	soil aeration/bioventing, free product removal by vaporization
Comments Date:	04081999
Comments:	and phase separation as necessary, and dissolved through the
Comments Date:	04081999
Comments:	groundwater pump and treat and by natural attenuation/biochemical
Comments Date:	04081999
Comments:	degradation mechanisms. The extracted groundwater is pre-treated
Comments Date:	04081999
Comments:	to remove any free product before transfer by pipline to the Site
Comments Date:	04081999
Comments:	31 treatment facility for treatment by granular activated carbon.
Comments Date:	04081999
Comments:	Any free product is collected via skimmer pump and contained for
Comments Date:	04081999
Comments:	disposal. A soil vapor extraction and treatment system (thermal
Comments Date:	04081999
Comments:	oxidizer) unit was installed at site 18 to treat the recovered
Comments Date:	04081999
Comments:	hydrocarbon vapors locally, before discharging to the atmosphere.
Comments Date:	05011996
Comments:	RA - SITE 11: Site 11 is part of OU#2. It includes an area design
Comments Date:	05011996
Comments:	ated as the Liquid Fuels Management, Bulk Storage Facility. The l
Comments Date:	05011996
Comments:	eaking fuel line section was between the tank car unloading dock
Comments Date:	06011999
Comments:	vapor and groundwater to the treatment pad. 4)Installing process
Comments Date:	06011999
Comments:	equipment for treating contaminated soil vapor and groundwater.
Comments Date:	06011999
Comments:	5) Performing system startup including sampling of vapor and
Comments Date:	06011999
Comments:	groundwater, and system optimization.
Comments Date:	06171996
Comments:	O&M Site 33(PANERO): The Site 33 Pump and Treat System (PTS) cons
Comments Date:	06171996
Comments:	ists of flow equalization tanks, an oil-water separator, air stri
Comments Date:	06171996
Comments:	pping, thermal oxidation of air stripper off-gas, and granular ac
Comments Date:	06171996

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments:	tivated carbon polishing of the air stripper effluent. An interna
Comments Date:	06171996
Comments:	l combustion engine is used to treat vapors recovered by vapor ex
Comments Date:	06171996
Comments:	traction of the pumping wells. The PTS is designed to sustain co
Comments Date:	06171996
Comments:	ntinuous operation without direct operator control. Periodic surv
Comments Date:	06171996
Comments:	eillance and maintenance will be required to ensure reliable oper
Comments Date:	06171996
Comments:	ation and compliance with regulatory requirements. Process perfor
Comments Date:	06171996
Comments:	ming monitoring of the vapor and water treatment systems will be
Comments Date:	06171996
Comments:	conducted. This includes on-site sampling and tests of the influ
Comments Date:	06171996
Comments:	ent streams, intermittent treatment points and the effluent strea
Comments Date:	06171996
Comments:	ms to verify satisfactory operation, and timely change-out of the
Comments Date:	06171996
Comments:	GAC treatment units to maintain regulatory discharge limits and
Comments Date:	06171996
Comments:	cost effectiveness. Preventive equipment maintenance tasks, in a
Comments Date:	06171996
Comments:	ccordance with the manufacturers recommend -ations, will be perfo
Comments Date:	06171996
Comments:	rmed along with routine maintenance and record keeping activities
Comments Date:	06171996
Comments:	. Normally, one field technician will be required to perform the
Comments Date:	06171996
Comments:	routine O&M tasks, including well inspections and maintenance, p
Comments Date:	06171996
Comments:	ump overhauls, process instrument calibrations, equipment repairs
Comments Date:	06171996
Comments:	and replacements. The manufacturer shall have local service rep
Comments Date:	06171996
Comments:	resentatives capable of responding to equipment failures or probl
Comments Date:	06171996
Comments:	ems within 3 hours of initial contact.
Comments Date:	07111996
Comments:	O&M - SITE 34: An area near the oil/water separator, which was im
Comments Date:	07111996
Comments:	properly installed and is adjacent to Site 34, has been identifie
Comments Date:	07111996
Comments:	d as a potential source of the mainly hydrocarbon contamination f
Comments Date:	07111996
Comments:	urther to the northwest. In March 1994 the AF installed and bega
Comments Date:	07111996
Comments:	n the operation of a bioventing treatability study project at Sit
Comments Date:	07111996
Comments:	e 34 to determine the effectiveness of bioventing at this site.
Comments Date:	07111996
Comments:	This study was completed in July 1996 and successfully demonstrat
Comments Date:	07111996
Comments:	ed the effectiveness of bioventing for this site. The Operation a
Comments Date:	07111996
Comments:	nd Maintenance (O&M) phase will consist of monthly checks of the

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments Date:	07111996
Comments:	bioventing system, completion of operation/maintenance/repair man
Comments Date:	07111996
Comments:	uals and respiration tests every 6 months of operation. In addit
Comments Date:	07111996
Comments:	ion, oxygen, carbon dioxide and hydrocarbon concentrations from t
Comments Date:	07111996
Comments:	he vapor monitoring wells will be monitored on a monthly basis. T
Comments Date:	07111996
Comments:	he O&M of the bioventing system will be performed for a duration
Comments Date:	07111996
Comments:	of one year after installation and start-up. Data collected from
Comments Date:	07111996
Comments:	the monthly monitoring is evaluated and used as the basis for ad
Comments Date:	07111996
Comments:	justing the air flow into the subsurface. Preventive equipment m
Comments Date:	07111996
Comments:	aintenance tasks, in accordance with the manufacturers recommenda
Comments Date:	07111996
Comments:	tions, will be performed along with routing maintenance and recor
Comments Date:	07111996
Comments:	d keeping activities. Status reports will be prepared and submit
Comments Date:	07111996
Comments:	ted as required for satisfactory operating control and regulatory
Comments Date:	07111996
Comments:	compliance requirements. Qualified supervisory personnel will o
Comments Date:	07111996
Comments:	versee execution of the O&M tasks to minimize costs, and ensure t
Comments Date:	07111996
Comments:	imely and accurate operating reports. DES -SITE 34: The design
Comments Date:	07111996
Comments:	of the bioventing system was included in the treatability study d
Comments Date:	07111996
Comments:	ocument. A Remedial Action Workplan was submitted in July 1996 t
Comments Date:	07111996
Comments:	hat considered bioventing the final remedial alternative at Site
Comments Date:	07111996
Comments:	34. This is consistent with the Operable Unit #1 (OU#1) signed R
Comments Date:	07111996
Comments:	ecord of Decision (ROD). The primary advantage in using bioventi
Comments Date:	07111996
Comments:	ng is the low cost to install, operate, maintain and monitor the
Comments Date:	07111996
Comments:	system as compared to other remediation technology. The treatabi
Comments Date:	07111996
Comments:	lity study has demonstrated that the bioventing at Site 34 of the
Comments Date:	07111996
Comments:	hydrocarbon contamination is cost effective, has minimal environ
Comments Date:	07111996
Comments:	mental impact and will achieve the cleanup standards set in the O
Comments Date:	07111996
Comments:	U#1 ROD. Bioventing is the process of delivering oxygen by force
Comments Date:	07111996
Comments:	d air into the soil to stimulate or enhance the natural biodegrad
Comments Date:	07111996
Comments:	ation process of petroleum hydrocarbon contaminants within the so
Comments Date:	07111996

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments:	il. The existing bioventing system at Site 34 was designed with
Comments Date:	07111996
Comments:	excess air injection capacity, therefore, it may be possible to t
Comments Date:	07111996
Comments:	ap into this system for use at the adjacent sites. RA - SITE 34
Comments Date:	07111996
Comments:	: Soil contaminants detected during the RI/FS conducted at Site 3
Comments Date:	07111996
Comments:	4 include VOCs, SVOCs, Pesticides/PCBs, Oil and Grease, JP-4 and
Comments Date:	07111996
Comments:	Diesel Fuel. The Air Force (AF) will characterize the newly disc
Comments Date:	07111996
Comments:	overed contamination at Site 34 using a soil gas survey which wil
Comments Date:	07111996
Comments:	l provide potential locations for soil borings based on contamina
Comments Date:	07111996
Comments:	nt concentrations. The AF installed and successfully demonstrated
Comments Date:	07111996
Comments:	the effectiveness of a bioventing system at this Site. The obje
Comments Date:	07111996
Comments:	ctives of this remedial action is to determine the extent of the
Comments Date:	07111996
Comments:	new hydrocarbon contamination at the oil/water separator, to eval
Comments Date:	07111996
Comments:	uate and select the best approach to biovent the site, and to mon
Comments Date:	07111996
Comments:	itor that the bioremedial approach is achieving groundwater prote
Comments Date:	07111996
Comments:	ction standards as established in the OU#1 Record of Decision (RO
Comments Date:	07111996
Comments:	D).
Comments Date:	07241998
Comments:	and soil aeration/bioventing, free product removal by vaporiza-
Comments Date:	07241998
Comments:	tion and phase separation as necessary, and dissolved through the
Comments Date:	07241998
Comments:	groundwater pump and treat and by natural attenuation/biochemical
Comments Date:	07241998
Comments:	degradation mechanisms. The extracted groundwater would be pre-
Comments Date:	07241998
Comments:	treated to remove any free product before transfer by pipeline to
Comments Date:	07241998
Comments:	the Site 31 treatment facility for treatment by granular acti-
Comments Date:	07241998
Comments:	vated carbon. Any free product would be collected via skimmer
Comments Date:	07241998
Comments:	pump and contained for disposal. A soil vapor extraction and
Comments Date:	07241998
Comments:	treatment system(thermal oxidizer) unit will be installed at site
Comments Date:	07241998
Comments:	18 to treat the recovered hydrocarbon vapors locally, before
Comments Date:	07241998
Comments:	discharging to the atmosphere.
Comments Date:	09141995
Comments:	RAP OU#3: This ROD/RAP presents the remedial alternative selected
Comments Date:	09141995
Comments:	to remediate soil and groundwater that is contaminated with petr

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments Date:	09141995
Comments:	oleum hydrocarbons and solvent beneath Operable Unit #3 (OU#3). O
Comments Date:	09141995
Comments:	U#3, which encompasses the former Panero Fueling facility, is loc
Comments Date:	09141995
Comments:	ated on the aircraft apron, between the flightline shops and the
Comments Date:	09141995
Comments:	taxiway. The major components of the selected alternative include
Comments Date:	09141995
Comments:	: 1. Institutional control, including fencing, site use restri
Comments Date:	09141995
Comments:	ction, and deed restriction of groundwater use. 2. Quarterly grou
Comments Date:	09141995
Comments:	ndwater monitoring. 3. Continued free product recovery. 4. Soil r
Comments Date:	09141995
Comments:	emediation using soil vapor extracion and bioventing. 5. Groundwa
Comments Date:	09141995
Comments:	ter source remediation using surfactant and in-situ bioremediatio
Comments Date:	09141995
Comments:	n. 6. Groundwater dissolved plume treatment using groundwater pum
Comments Date:	09141995
Comments:	p and treat (Air Strippers) system. The remedy is estimated to ac
Comments Date:	09141995
Comments:	hieve cleanup goals within 30 years. Approximate cost: $22,251
Comments Date:	09141995
Comments:	,655.00
Comments Date:	11131996
Comments:	RAP - OU#3(SITE 33): This Decision Document (DD), which is equivi
Comments Date:	11131996
Comments:	lant to a Remedial Action Plan (RAP), presents the selected Remov
Comments Date:	11131996
Comments:	al Action upgrade for March Air Reserve Base (MARB) Operable Unit
Comments Date:	11131996
Comments:	#3 pump and Treat System. This removal action upgrade is select
Comments Date:	11131996
Comments:	ed to increase jet fuel (JP-4) free product recovery rates at OU#
Comments Date:	11131996
Comments:	3. The State of California, both DTSC and the Santa Ana Regional
Comments Date:	11131996
Comments:	Water Quality Control Board (RWQCB), signed a Record of Decision
Comments Date:	11131996
Comments:	(ROD) for OU#3 in September 1995. However, the US Environmental
Comments Date:	11131996
Comments:	Protection Agency(USEPA) and the Air Force Reserves (AFRs) decli
Comments Date:	11131996
Comments:	ned to sign the ROD at the last minute; the USEPA invoking the pe
Comments Date:	11131996
Comments:	troleum exclusion section of CERCLA and the AFRs stating that the
Comments Date:	11131996
Comments:	preferred alternative in the ROD is too expensive. Therefore, a
Comments Date:	11131996
Comments:	fter considerable efforts, all parties agreed to expand and upgra
Comments Date:	11131996
Comments:	de the existing free product recovery system as an interim remedy
Comments Date:	11131996
Comments:	for the JP-4 free product beneath OU#3. This action addresses o
Comments Date:	11131996

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments:	nly JP-4 free product and does not address all contamination rema
Comments Date:	11131996
Comments:	ining at the site. the DD went through the RAP requirement of pu
Comments Date:	11131996
Comments:	blic review and comment.
Comments Date:	05011996
Comments:	discovered when March AFB personnel noticed a loss in line press
Comments Date:	05011996
Comments:	ure during an integrity test of a section of the line between the
Comments Date:	05011996
Comments:	fuel pump station and the flight line. Visual indications of a
Comments Date:	05011996
Comments:	fuel leak were also observed in and around the concrete valult lo
Comments Date:	05011996
Comments:	cated adjacent to the fuel pump station. The objective of the Imm
Comments Date:	05011996
Comments:	ediate Response Action was to remove and replace the leaking sect
Comments Date:	05011996
Comments:	ion of the sub-surface JP-8 fuel line. This was accomplished with
Comments Date:	05011996
Comments:	in a very tight schedule (approx. seven days) to prevent the use
Comments Date:	05011996
Comments:	of outside trucks for delivery of fuels to the aircrafts. The re
Comments Date:	05011996
Comments:	moval action consisted of trenching to expose the sub-surface fue
Comments Date:	05011996
Comments:	l lines and associated vault area including the demolishing and r
Comments Date:	05011996
Comments:	emoval of overlaying asphalt and concrete, the removal of a 230 f
Comments Date:	05011996
Comments:	oot of JP-8 fuel line and a 210 foot section of an inactive JP-8
Comments Date:	05011996
Comments:	line was also removed, the placement of a new 8 inch steel JP-8 f
Comments Date:	05011996
Comments:	uel line and a 12 inch steel road crossing sleeve and reconstruct
Comments Date:	05011996
Comments:	ion of demolished concrete vault. Approximately, 380 cubic yards
Comments Date:	05011996
Comments:	of contaminated soil was removed and stockpiled at Site 15 for r
Comments Date:	05011996
Comments:	emediation. Upon getting the new pipe section on-line the general
Comments Date:	05011996
Comments:	site area was landscaped and restored to the original condition
Comments Date:	05011996
Comments:	to the extent possible. This included the backfilling maximum dr
Comments Date:	05011996
Comments:	y density of the soil, and the replacement of the overlaying asph
Comments Date:	05011996
Comments:	alt.
Comments Date:	05081996
Comments:	DES - SITE 31: This is part of OU #1. The practice of dis- charg
Comments Date:	05081996
Comments:	ing solvents on the ground reportedly occurred from about the mid
Comments Date:	05081996
Comments:	-1950s to the mid-1970s. In addition, floor drains from maintenan
Comments Date:	05081996
Comments:	ce shops may have leaked solvents to the subsurface. The primary

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments Date:	05081996
Comments:	contaminants of concern at Site 31 are Trichloro- ethylene (PCE),
Comments Date:	05081996
Comments:	and traces of other chlorinated solvents. The contaminants are
Comments Date:	05081996
Comments:	contained within the soils and the groundwater and will require r
Comments Date:	05081996
Comments:	emediation to prevent further contamination of the OU#1 groundwat
Comments Date:	05081996
Comments:	er. Extensive studies to identify source locations, determine si
Comments Date:	05081996
Comments:	te characteristics and evaluate cost effective remedial alternati
Comments Date:	05081996
Comments:	ves have been performed. A dual phase extraction technology coup
Comments Date:	05081996
Comments:	led with granular activated carbon treatment of extracted groundw
Comments Date:	05081996
Comments:	ater and soil vapor has been selected based on a pilot scale syst
Comments Date:	05081996
Comments:	em shown to be a cost- effective method for remediation of this S
Comments Date:	05081996
Comments:	ite. The treatment system shall discharge treated water that wi
Comments Date:	05081996
Comments:	ll have a daily average concentration of 0.5 ppb TCE or less, and
Comments Date:	05081996
Comments:	never will exceed a concentration of 5 ppb TCE. Treated groundw
Comments Date:	05081996
Comments:	ater will be reinjected into the aquifer combined with discharge
Comments Date:	05081996
Comments:	of excess water to the Heacock Storm drain and/or the base sanita
Comments Date:	05081996
Comments:	ry sewer system, as required. Installation of process equipment,
Comments Date:	05081996
Comments:	surface piping and electrical facilities is planned for the end
Comments Date:	05081996
Comments:	of April, and startup of the system July 1996. This remedial act
Comments Date:	05081996
Comments:	ion complies with the statutory preference for remedies as specif
Comments Date:	05081996
Comments:	ied in the Record of Decision (ROD) for OU#1. O&M SITE 31: The
Comments Date:	05081996
Comments:	Site 31 dual phase extraction and treatment system is designed to
Comments Date:	05081996
Comments:	sustain continuous operation without direct operator control. P
Comments Date:	05081996
Comments:	eriodic surveillance and maintenance will be required to ensure r
Comments Date:	05081996
Comments:	eliable operation and compliance with regulatory requirement. Pr
Comments Date:	05081996
Comments:	ocess performing monitoring of the vapor and water treatment syst
Comments Date:	05081996
Comments:	ems will be conducted. This includes on-site sampling and tests
Comments Date:	05081996
Comments:	of the influent streams, intermittent treatment points and the ef
Comments Date:	05081996
Comments:	fluent streams to verify satisfactory operation, and timely chang
Comments Date:	05081996

MARCH AIR RESERVE BASE (Continued) **S104241831**

Comments:	e-out of the GAC treat- ment units to maintain regulatory dischar
Comments Date:	05081996
Comments:	ge limits and cost effectiveness. Preventive equipment maintenan
Comments Date:	05081996
Comments:	ce tasks, in accordance with the manufacturers recommendations, w
Comments Date:	05081996
Comments:	ill be performed along with routine maintenance and record keepin
Comments Date:	05081996
Comments:	g activities. It is expected that the carbon change-out frequenc
Comments Date:	05081996
Comments:	y will gradually decrease as the soil and groundwater contaminant
Comments Date:	05081996
Comments:	levels decline with ongoing treatment. Initially the change-out
Comments Date:	05081996
Comments:	s may occur once every 1-2 months and subsequently may decrease t
Comments Date:	05081996
Comments:	o once or twice a year for the groundwater treatment system. Norm
Comments Date:	05081996
Comments:	ally, one field technician will be required to perform the routin
Comments Date:	05081996
Comments:	e O&M tasks, including wells inspections and maintenance, pump ov
Comments Date:	05081996
Comments:	erhauls, process instrument calibrations, equipment repairs and r
Comments Date:	05081996
Comments:	eplacements. Status reports along with analytical results and di
Comments Date:	05081996
Comments:	scharge records will be prepared and submitted as reqired for sat
Comments Date:	05081996
Comments:	isfactory operating control and regulatory compliance requirement
Comments Date:	05081996
Comments:	s. Qualified supervisory personnel will oversee execution of the
Comments Date:	05081996
Comments:	O&M tasks to minimize costs, and ensure timely and accurate oper
Comments Date:	05081996
Comments:	ating reports.
Comments Date:	06011999
Comments:	RA - SITE 36: The remedial action for Site 36 was completed on
Comments Date:	06011999
Comments:	March 15, 1999. It included the installation of a groundwater
Comments Date:	06011999
Comments:	extraction and treatment system in combination with a system for
Comments Date:	06011999
Comments:	soil vapor extraction (SVE). A remedial design of this system
Comments Date:	06011999
Comments:	was approved by DTSC on April 7, 1998. The Site 36 system
Comments Date:	06011999
Comments:	includes conveyance piping, process vessels, and electrical and
Comments Date:	06011999
Comments:	mechanical appurtenances. The remedial activities conducted at
Comments Date:	06011999
Comments:	Site 36 included: 1) Installing a submersible pump into each of
ID Name:	Not reported
ID Value:	Not reported
Alternate Name:	ALESSANDRO ARMY AIR FIELD
Alternate Name:	|
Alternate Name:	March Air Reserve Base
Alternate Name:	Not reported

MARCH AIR RESERVE BASE (Continued) **S104241831**

Special Programs Code: DSMOA
Special Programs Name: DEFENSE MEMORANDUM OF AGREEMENT

Count: 6 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
MORENO VALLEY	S125638995	FUTURE TRUCK TERMINAL	17205 HEACOCK STREET	92551	CPS-SLIC
PERRIS	1027200218	CRG-LCI HARLEY KNOX	150 HARLEY KNOX BLVD.	92571	RCRA NonGen / NLR
PERRIS	1027200219	CRG-LCI HARLEY KNOX	150 HARLEY KNOX BLVD.	92571	RCRA NonGen / NLR
PERRIS	1027188119	CRG-LCI HARLEY KNOX	150 HARLEY KNOX BLVD.	92571	ECHO
PERRIS	1027171942	CRG-LCI HARLEY KNOX	150 HARLEY KNOX BLVD.	92571	FINDS
PERRIS	S129011691	CI WELLNESS, LLC	1320 W OLEANDER AVE	92571	CERS HAZ WASTE, CERS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Lists of Federal NPL (Superfund) sites

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

Lists of Federal Delisted NPL sites

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: N/A
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

Lists of Federal sites subject to CERCLA removals and CERCLA orders

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 90

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal CERCLA sites with NFRAP

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA facilities undergoing Corrective Action

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA TSD facilities

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of Federal RCRA generators

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

RCRA-VSQG: RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators)

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Very small quantity generators (VSQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 11/02/2022
Date Data Arrived at EDR: 11/08/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 63

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

US INST CONTROLS: Institutional Controls Sites List

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 85

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 11/16/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/12/2022
Date Data Arrived at EDR: 12/14/2022
Date Made Active in Reports: 12/19/2022
Number of Days to Update: 5

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

Lists of state- and tribal (Superfund) equivalent sites

RESPONSE: State Response Sites

Identifies confirmed release sites where DTSC is involved in remediation, either in a lead or oversight capacity. These confirmed release sites are generally high-priority and high potential risk.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

Lists of state- and tribal hazardous waste facilities

ENVIROSTOR: EnviroStor Database

The Department of Toxic Substances Control's (DTSC's) Site Mitigation and Brownfields Reuse Program's (SMBRP's) EnviroStor database identifes sites that have known contamination or sites for which there may be reasons to investigate further. The database includes the following site types: Federal Superfund sites (National Priorities List (NPL)); State Response, including Military Facilities and State Superfund; Voluntary Cleanup; and School sites. EnviroStor provides similar information to the information that was available in CalSites, and provides additional site information, including, but not limited to, identification of formerly-contaminated properties that have been released for reuse, properties where environmental deed restrictions have been recorded to prevent inappropriate land uses, and risk characterization information that is used to assess potential impacts to public health and the environment at contaminated sites.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

Lists of state and tribal landfills and solid waste disposal facilities

SWF/LF (SWIS): Solid Waste Information System

Active, Closed and Inactive Landfills. SWF/LF records typically contain an inve ntory of solid waste disposal facilities or landfills. These may be active or i nactive facilities or open dumps that failed to meet RCRA Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/03/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 83

Source: Department of Resources Recycling and Recovery
Telephone: 916-341-6320
Last EDR Contact: 02/07/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Quarterly

Lists of state and tribal leaking storage tanks

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

LUST REG 1: Active Toxic Site Investigation

Del Norte, Humboldt, Lake, Mendocino, Modoc, Siskiyou, Sonoma, Trinity counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/01/2001
Date Data Arrived at EDR: 02/28/2001
Date Made Active in Reports: 03/29/2001
Number of Days to Update: 29

Source: California Regional Water Quality Control Board North Coast (1)
Telephone: 707-570-3769
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 2: Fuel Leak List

Leaking Underground Storage Tank locations. Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, Solano, Sonoma counties.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: California Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-622-2433
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

LUST REG 6V: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Inyo, Kern, Los Angeles, Mono, San Bernardino counties.

Date of Government Version: 06/07/2005
Date Data Arrived at EDR: 06/07/2005
Date Made Active in Reports: 06/29/2005
Number of Days to Update: 22

Source: California Regional Water Quality Control Board Victorville Branch Office (6)
Telephone: 760-241-7365
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 6L: Leaking Underground Storage Tank Case Listing

For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/09/2003
Date Data Arrived at EDR: 09/10/2003
Date Made Active in Reports: 10/07/2003
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Lahontan Region (6)
Telephone: 530-542-5572
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

LUST REG 9: Leaking Underground Storage Tank Report

Orange, Riverside, San Diego counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 03/01/2001
Date Data Arrived at EDR: 04/23/2001
Date Made Active in Reports: 05/21/2001
Number of Days to Update: 28

Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-637-5595
Last EDR Contact: 09/26/2011
Next Scheduled EDR Contact: 01/09/2012
Data Release Frequency: No Update Planned

LUST: Leaking Underground Fuel Tank Report (GEOTRACKER)

Leaking Underground Storage Tank (LUST) Sites included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: see region list
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

LUST REG 8: Leaking Underground Storage Tanks

California Regional Water Quality Control Board Santa Ana Region (8). For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 02/14/2005
Date Data Arrived at EDR: 02/15/2005
Date Made Active in Reports: 03/28/2005
Number of Days to Update: 41

Source: California Regional Water Quality Control Board Santa Ana Region (8)
Telephone: 909-782-4496
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

LUST REG 7: Leaking Underground Storage Tank Case Listing

Leaking Underground Storage Tank locations. Imperial, Riverside, San Diego, Santa Barbara counties.

Date of Government Version: 02/26/2004
Date Data Arrived at EDR: 02/26/2004
Date Made Active in Reports: 03/24/2004
Number of Days to Update: 27

Source: California Regional Water Quality Control Board Colorado River Basin Region (7)
Telephone: 760-776-8943
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

LUST REG 5: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Alameda, Alpine, Amador, Butte, Colusa, Contra Costa, Calveras, El Dorado, Fresno, Glenn, Kern, Kings, Lake, Lassen, Madera, Mariposa, Merced, Modoc, Napa, Nevada, Placer, Plumas, Sacramento, San Joaquin, Shasta, Solano, Stanislaus, Sutter, Tehama, Tulare, Tuolumne, Yolo, Yuba counties.

Date of Government Version: 07/01/2008
Date Data Arrived at EDR: 07/22/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 9

Source: California Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-4834
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

LUST REG 3: Leaking Underground Storage Tank Database

Leaking Underground Storage Tank locations. Monterey, San Benito, San Luis Obispo, Santa Barbara, Santa Cruz counties.

Date of Government Version: 05/19/2003
Date Data Arrived at EDR: 05/19/2003
Date Made Active in Reports: 06/02/2003
Number of Days to Update: 14

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-542-4786
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

LUST REG 4: Underground Storage Tank Leak List

Los Angeles, Ventura counties. For more current information, please refer to the State Water Resources Control Board's LUST database.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35

Source: California Regional Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6710
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 04/28/2021
Date Data Arrived at EDR: 06/11/2021
Date Made Active in Reports: 09/07/2021
Number of Days to Update: 88

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

CPS-SLIC: Statewide SLIC Cases (GEOTRACKER)
Cleanup Program Sites (CPS; also known as Site Cleanups [SC] and formerly known as Spills, Leaks, Investigations, and Cleanups [SLIC] sites) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

SLIC REG 1: Active Toxic Site Investigations

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2003
Date Data Arrived at EDR: 04/07/2003
Date Made Active in Reports: 04/25/2003
Number of Days to Update: 18

Source: California Regional Water Quality Control Board, North Coast Region (1)
Telephone: 707-576-2220
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 2: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/30/2004
Date Data Arrived at EDR: 10/20/2004
Date Made Active in Reports: 11/19/2004
Number of Days to Update: 30

Source: Regional Water Quality Control Board San Francisco Bay Region (2)
Telephone: 510-286-0457
Last EDR Contact: 09/19/2011
Next Scheduled EDR Contact: 01/02/2012
Data Release Frequency: No Update Planned

SLIC REG 3: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/18/2006
Date Data Arrived at EDR: 05/18/2006
Date Made Active in Reports: 06/15/2006
Number of Days to Update: 28

Source: California Regional Water Quality Control Board Central Coast Region (3)
Telephone: 805-549-3147
Last EDR Contact: 07/18/2011
Next Scheduled EDR Contact: 10/31/2011
Data Release Frequency: No Update Planned

SLIC REG 4: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/17/2004
Date Data Arrived at EDR: 11/18/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 47

Source: Region Water Quality Control Board Los Angeles Region (4)
Telephone: 213-576-6600
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

SLIC REG 5: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/01/2005
Date Data Arrived at EDR: 04/05/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 16

Source: Regional Water Quality Control Board Central Valley Region (5)
Telephone: 916-464-3291
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 6V: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing

The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 05/24/2005
Date Data Arrived at EDR: 05/25/2005
Date Made Active in Reports: 06/16/2005
Number of Days to Update: 22

Source: Regional Water Quality Control Board, Victorville Branch
Telephone: 619-241-6583
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 6L: SLIC Sites
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/07/2004
Date Data Arrived at EDR: 09/07/2004
Date Made Active in Reports: 10/12/2004
Number of Days to Update: 35
Source: California Regional Water Quality Control Board, Lahontan Region
Telephone: 530-542-5574
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

SLIC REG 7: SLIC List
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 11/24/2004
Date Data Arrived at EDR: 11/29/2004
Date Made Active in Reports: 01/04/2005
Number of Days to Update: 36
Source: California Regional Quality Control Board, Colorado River Basin Region
Telephone: 760-346-7491
Last EDR Contact: 08/01/2011
Next Scheduled EDR Contact: 11/14/2011
Data Release Frequency: No Update Planned

SLIC REG 8: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 04/03/2008
Date Data Arrived at EDR: 04/03/2008
Date Made Active in Reports: 04/14/2008
Number of Days to Update: 11
Source: California Region Water Quality Control Board Santa Ana Region (8)
Telephone: 951-782-3298
Last EDR Contact: 09/12/2011
Next Scheduled EDR Contact: 12/26/2011
Data Release Frequency: No Update Planned

SLIC REG 9: Spills, Leaks, Investigation & Cleanup Cost Recovery Listing
The SLIC (Spills, Leaks, Investigations and Cleanup) program is designed to protect and restore water quality from spills, leaks, and similar discharges.

Date of Government Version: 09/10/2007
Date Data Arrived at EDR: 09/11/2007
Date Made Active in Reports: 09/28/2007
Number of Days to Update: 17
Source: California Regional Water Quality Control Board San Diego Region (9)
Telephone: 858-467-2980
Last EDR Contact: 08/08/2011
Next Scheduled EDR Contact: 11/21/2011
Data Release Frequency: No Update Planned

Lists of state and tribal registered storage tanks

FEMA UST: Underground Storage Tank Listing
A listing of all FEMA owned underground storage tanks.

Date of Government Version: 10/14/2021
Date Data Arrived at EDR: 11/05/2021
Date Made Active in Reports: 02/01/2022
Number of Days to Update: 88
Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

UST: Active UST Facilities
Active UST facilities gathered from the local regulatory agencies

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/28/2022
Number of Days to Update: 89
Source: SWRCB
Telephone: 916-341-5851
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Semi-Annually

UST CLOSURE: Proposed Closure of Underground Storage Tank (UST) Cases

UST cases that are being considered for closure by either the State Water Resources Control Board or the Executive Director have been posted for a 60-day public comment period. UST Case Closures being proposed for consideration by the State Water Resources Control Board. These are primarily UST cases that meet closure criteria under the decisional framework in State Water Board Resolution No. 92-49 and other Board orders. UST Case Closures proposed for consideration by the Executive Director pursuant to State Water Board Resolution No. 2012-0061. These are cases that meet the criteria of the Low-Threat UST Case Closure Policy. UST Case Closure Review Denials and Approved Orders.

Date of Government Version: 08/24/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/21/2022
Number of Days to Update: 82

Source: State Water Resources Control Board
Telephone: 916-327-7844
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

MILITARY UST SITES: Military UST Sites (GEOTRACKER)

Military ust sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

AST: Aboveground Petroleum Storage Tank Facilities

A listing of aboveground storage tank petroleum storage tank locations.

Date of Government Version: 07/06/2016
Date Data Arrived at EDR: 07/12/2016
Date Made Active in Reports: 09/19/2016
Number of Days to Update: 69

Source: California Environmental Protection Agency
Telephone: 916-327-5092
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 06/02/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/31/2022
Number of Days to Update: 79

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/28/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 04/14/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 04/20/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 04/11/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 04/07/2022
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/16/2022
Number of Days to Update: 64

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Lists of state and tribal voluntary cleanup sites

VCP: Voluntary Cleanup Program Properties

Contains low threat level properties with either confirmed or unconfirmed releases and the project proponents have request that DTSC oversee investigation and/or cleanup activities and have agreed to provide coverage for DTSC's costs.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 07/08/2021
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

Lists of state and tribal brownfield sites

BROWNFIELDS: Considered Brownfieds Sites Listing
A listing of sites the SWRCB considers to be Brownfields since these are sites have come to them through the MOA Process.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 12/07/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-323-7905
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/10/2022
Date Made Active in Reports: 03/10/2022
Number of Days to Update: 0

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/07/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

WMUDS/SWAT: Waste Management Unit Database
Waste Management Unit Database System. WMUDS is used by the State Water Resources Control Board staff and the Regional Water Quality Control Boards for program tracking and inventory of waste management units. WMUDS is composed of the following databases: Facility Information, Scheduled Inspections Information, Waste Management Unit Information, SWAT Program Information, SWAT Report Summary Information, SWAT Report Summary Data, Chapter 15 (formerly Subchapter 15) Information, Chapter 15 Monitoring Parameters, TPCA Program Information, RCRA Program Information, Closure Information, and Interested Parties Information.

Date of Government Version: 04/01/2000
Date Data Arrived at EDR: 04/10/2000
Date Made Active in Reports: 05/10/2000
Number of Days to Update: 30

Source: State Water Resources Control Board
Telephone: 916-227-4448
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: No Update Planned

SWRCY: Recycler Database
A listing of recycling facilities in California.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79

Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

HAULERS: Registered Waste Tire Haulers Listing
A listing of registered waste tire haulers.

Date of Government Version: 08/12/2022
Date Data Arrived at EDR: 08/16/2022
Date Made Active in Reports: 08/26/2022
Number of Days to Update: 10

Source: Integrated Waste Management Board
Telephone: 916-341-6422
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory
An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land
A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

HIST CAL-SITES: Calsites Database

The Calsites database contains potential or confirmed hazardous substance release properties. In 1996, California EPA reevaluated and significantly reduced the number of sites in the Calsites database. No longer updated by the state agency. It has been replaced by ENVIROSTOR.

Date of Government Version: 08/08/2005
Date Data Arrived at EDR: 08/03/2006
Date Made Active in Reports: 08/24/2006
Number of Days to Update: 21

Source: Department of Toxic Substance Control
Telephone: 916-323-3400
Last EDR Contact: 02/23/2009
Next Scheduled EDR Contact: 05/25/2009
Data Release Frequency: No Update Planned

SCH: School Property Evaluation Program

This category contains proposed and existing school sites that are being evaluated by DTSC for possible hazardous materials contamination. In some cases, these properties may be listed in the CalSites category depending on the level of threat to public health and safety or the environment they pose.

Date of Government Version: 10/24/2022
Date Data Arrived at EDR: 10/24/2022
Date Made Active in Reports: 01/12/2023
Number of Days to Update: 80

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

CDL: Clandestine Drug Labs

A listing of drug lab locations. Listing of a location in this database does not indicate that any illegal drug lab materials were or were not present there, and does not constitute a determination that the location either requires or does not require additional cleanup work.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 71

Source: Department of Toxic Substances Control
Telephone: 916-255-6504
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TOXIC PITS: Toxic Pits Cleanup Act Sites

Toxic PITS Cleanup Act Sites. TOXIC PITS identifies sites suspected of containing hazardous substances where cleanup has not yet been completed.

Date of Government Version: 07/01/1995
Date Data Arrived at EDR: 08/30/1995
Date Made Active in Reports: 09/26/1995
Number of Days to Update: 27

Source: State Water Resources Control Board
Telephone: 916-227-4364
Last EDR Contact: 01/26/2009
Next Scheduled EDR Contact: 04/27/2009
Data Release Frequency: No Update Planned

CERS HAZ WASTE: CERS HAZ WASTE

List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Hazardous Chemical Management, Hazardous Waste Onsite Treatment, Household Hazardous Waste Collection, Hazardous Waste Generator, and RCRA LQ HW Generator programs.

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5

Source: CalEPA
Telephone: 916-323-2514
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 02/02/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 8

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

SWEEPS UST: SWEEPS UST Listing

Statewide Environmental Evaluation and Planning System. This underground storage tank listing was updated and maintained by a company contacted by the SWRCB in the early 1990's. The listing is no longer updated or maintained. The local agency is the contact for more information on a site on the SWEEPS list.

Date of Government Version: 06/01/1994
Date Data Arrived at EDR: 07/07/2005
Date Made Active in Reports: 08/11/2005
Number of Days to Update: 35

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/03/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HIST UST: Hazardous Substance Storage Container Database

The Hazardous Substance Storage Container Database is a historical listing of UST sites. Refer to local/county source for current data.

Date of Government Version: 10/15/1990
Date Data Arrived at EDR: 01/25/1991
Date Made Active in Reports: 02/12/1991
Number of Days to Update: 18

Source: State Water Resources Control Board
Telephone: 916-341-5851
Last EDR Contact: 07/26/2001
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SAN FRANCISCO AST: Aboveground Storage Tank Site Listing

Aboveground storage tank sites

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/24/2023
Number of Days to Update: 78

Source: San Francisco County Department of Public Health
Telephone: 415-252-3896
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

CA FID UST: Facility Inventory Database

The Facility Inventory Database (FID) contains a historical listing of active and inactive underground storage tank locations from the State Water Resource Control Board. Refer to local/county source for current data.

Date of Government Version: 10/31/1994
Date Data Arrived at EDR: 09/05/1995
Date Made Active in Reports: 09/29/1995
Number of Days to Update: 24

Source: California Environmental Protection Agency
Telephone: 916-341-5851
Last EDR Contact: 12/28/1998
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CERS TANKS: California Environmental Reporting System (CERS) Tanks
List of sites in the California Environmental Protection Agency (CalEPA) Regulated Site Portal which fall under the Aboveground Petroleum Storage and Underground Storage Tank regulatory programs.

Date of Government Version: 01/06/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/11/2023
Number of Days to Update: 5
Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 10/17/2022
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

Local Land Records

LIENS: Environmental Liens Listing
A listing of property locations with environmental liens for California where DTSC is a lien holder.

Date of Government Version: 08/23/2022
Date Data Arrived at EDR: 08/24/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 82
Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

DEED: Deed Restriction Listing
Site Mitigation and Brownfields Reuse Program Facility Sites with Deed Restrictions & Hazardous Waste Management Program Facility Sites with Deed / Land Use Restriction. The DTSC Site Mitigation and Brownfields Reuse Program (SMBRP) list includes sites cleaned up under the program's oversight and generally does not include current or former hazardous waste facilities that required a hazardous waste facility permit. The list represents deed restrictions that are active. Some sites have multiple deed restrictions. The DTSC Hazardous Waste Management Program (HWMP) has developed a list of current or former hazardous waste facilities that have a recorded land use restriction at the local county recorder's office. The land use restrictions on this list were required by the DTSC HWMP as a result of the presence of hazardous substances that remain on site after the facility (or part of the facility) has been closed or cleaned up. The types of land use restriction include deed notice, deed restriction, or a land use restriction that binds current and future owners.

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81
Source: DTSC and SWRCB
Telephone: 916-323-3400
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 09/30/2022
Number of Days to Update: 11
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

CHMIRS: California Hazardous Material Incident Report System

California Hazardous Material Incident Reporting System. CHMIRS contains information on reported hazardous material incidents (accidental releases or spills).

Date of Government Version: 08/02/2022
Date Data Arrived at EDR: 10/17/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 79

Source: Office of Emergency Services
Telephone: 916-845-8400
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Semi-Annually

LDS: Land Disposal Sites Listing (GEOTRACKER)

Land Disposal sites (Landfills) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Qualilty Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

MCS: Military Cleanup Sites Listing (GEOTRACKER)

Military sites (consisting of: Military UST sites; Military Privatized sites; and Military Cleanup sites [formerly known as DoD non UST]) included in GeoTracker. GeoTracker is the Water Boards data management system for sites that impact, or have the potential to impact, water quality in California, with emphasis on groundwater.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 06/06/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/22/2013
Number of Days to Update: 50

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 11/21/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: (415) 495-8895
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 11/01/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 06/07/2021
Date Data Arrived at EDR: 07/13/2021
Date Made Active in Reports: 03/09/2022
Number of Days to Update: 239

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/11/2018
Date Made Active in Reports: 11/06/2019
Number of Days to Update: 574

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 07/30/2021
Date Data Arrived at EDR: 02/03/2023
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 7

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 93

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 05/08/2018
Date Made Active in Reports: 07/20/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/17/2020
Date Made Active in Reports: 09/10/2020
Number of Days to Update: 85

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/12/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 100

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/01/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 10/17/2022
Date Data Arrived at EDR: 10/18/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 84

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 04/27/2022
Date Data Arrived at EDR: 05/04/2022
Date Made Active in Reports: 05/10/2022
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 01/20/2022
Date Data Arrived at EDR: 01/20/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 64

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: No Update Planned

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/26/2022
Date Data Arrived at EDR: 11/22/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 13
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/22/2022
Number of Days to Update: 84
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 01/12/2017
Date Data Arrived at EDR: 03/05/2019
Date Made Active in Reports: 11/11/2019
Number of Days to Update: 251
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 09/13/2019
Date Data Arrived at EDR: 11/06/2019
Date Made Active in Reports: 02/10/2020
Number of Days to Update: 96
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 07/01/2019
Date Data Arrived at EDR: 07/01/2019
Date Made Active in Reports: 09/23/2019
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 12/20/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 01/02/2020
Date Data Arrived at EDR: 01/28/2020
Date Made Active in Reports: 04/17/2020
Number of Days to Update: 80

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 09/30/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2019
Date Data Arrived at EDR: 03/02/2022
Date Made Active in Reports: 03/25/2022
Number of Days to Update: 23

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 07/26/2021
Date Data Arrived at EDR: 07/27/2021
Date Made Active in Reports: 10/22/2021
Number of Days to Update: 87

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 08/30/2019
Date Data Arrived at EDR: 11/15/2019
Date Made Active in Reports: 01/28/2020
Number of Days to Update: 74

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/09/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 14

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 11/07/2022
Date Data Arrived at EDR: 11/17/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 85

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 11/17/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Semi-Annually

MINES VIOLATIONS: MSHA Violation Assessment Data

Mines violation and assessment information. Department of Labor, Mine Safety & Health Administration.

Date of Government Version: 11/29/2022
Date Data Arrived at EDR: 11/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 22

Source: DOL, Mine Safety & Health Admi
Telephone: 202-693-9424
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 05/06/2020
Date Data Arrived at EDR: 05/27/2020
Date Made Active in Reports: 08/13/2020
Number of Days to Update: 78

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 11/21/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 09/13/2022
Date Data Arrived at EDR: 09/14/2022
Date Made Active in Reports: 12/05/2022
Number of Days to Update: 82

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 10/24/2022
Number of Days to Update: 60

Source: EPA
Telephone: (415) 947-8000
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 11/09/2021
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/25/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 12/22/2022
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 05/06/2021
Date Data Arrived at EDR: 05/21/2021
Date Made Active in Reports: 08/11/2021
Number of Days to Update: 82

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 91

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

PFAS NPL: Superfund Sites with PFAS Detections Information

EPA's Office of Land and Emergency Management and EPA Regional Offices maintain data describing what is known about site investigations, contamination, and remedial actions under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) where PFAS is present in the environment.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 07/08/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 123

Source: Environmental Protection Agency
Telephone: 703-603-8895
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS FEDERAL SITES: Federal Sites PFAS Information

Several federal entities, such as the federal Superfund program, Department of Defense, National Aeronautics and Space Administration, Department of Transportation, and Department of Energy provided information for sites with known or suspected detections at federal facilities.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS TSCA: PFAS Manufacture and Imports Information

EPA issued the Chemical Data Reporting (CDR) Rule under the Toxic Substances Control Act (TSCA) and requires chemical manufacturers and facilities that manufacture or import chemical substances to report data to EPA. EPA publishes non-confidential business information (non-CBI) and includes descriptive information about each site, corporate parent, production volume, other manufacturing information, and processing and use information.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS RCRA MANIFEST: PFAS Transfers Identified In the RCRA Database Listing

To work around the lack of PFAS waste codes in the RCRA database, EPA developed the PFAS Transfers dataset by mining e-Manifest records containing at least one of these common PFAS keywords: PFAS, PFOA, PFOS, PERFL, AFFF, GENX, GEN-X (plus the VT waste codes). These keywords were searched for in the following text fields: Manifest handling instructions (MANIFEST_HANDLING_INSTR), Non-hazardous waste description (NON_HAZ_WASTE_DESCRIPTION), DOT printed information (DOT_PRINTED_INFORMATION), Waste line handling instructions (WASTE_LINE_HANDLING_INSTR), Waste residue comments (WASTE_RESIDUE_COMMENTS).

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ATSDR: PFAS Contamination Site Location Listing

PFAS contamination site locations from the Department of Health & Human Services, Center for Disease Control & Prevention. ATSDR is involved at a number of PFAS-related sites, either directly or through assisting state and federal partners. As of now, most sites are related to drinking water contamination connected with PFAS production facilities or fire training areas where aqueous film-forming firefighting foam (AFFF) was regularly used.

Date of Government Version: 06/24/2020
Date Data Arrived at EDR: 03/17/2021
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 601

Source: Department of Health & Human Services
Telephone: 202-741-5770
Last EDR Contact: 01/23/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

PFAS WQP: Ambient Environmental Sampling for PFAS

The Water Quality Portal (WQP) is a part of a modernized repository storing ambient sampling data for all environmental media and tissue samples. A wide range of federal, state, tribal and local governments, academic and non-governmental organizations and individuals submit project details and sampling results to this public repository. The information is commonly used for research and assessments of environmental quality.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS NPDES: Clean Water Act Discharge Monitoring Information

Any discharger of pollutants to waters of the United States from a point source must have a National Pollutant Discharge Elimination System (NPDES) permit. The process for obtaining limits involves the regulated entity (permittee) disclosing releases in a NPDES permit application and the permitting authority (typically the state but sometimes EPA) deciding whether to require monitoring or monitoring with limits.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ECHO: Facilities in Industries that May Be Handling PFAS Listing

Regulators and the public have expressed interest in knowing which regulated entities may be using PFAS. EPA has developed a dataset from various sources that show which industries may be handling PFAS. Approximately 120,000 facilities subject to federal environmental programs have operated or currently operate in industry sectors with processes that may involve handling and/or release of PFAS.

Date of Government Version: 01/03/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS ECHO FIRE TRAINING: Facilities in Industries that May Be Handling PFAS Listing

A list of fire training sites was added to the Industry Sectors dataset using a keyword search on the permitted facilitys name to identify sites where fire-fighting foam may have been used in training exercises. Additionally, you may view an example spreadsheet of the subset of fire training facility data, as well as the keywords used in selecting or deselecting a facility for the subset. as well as the keywords used in selecting or deselecting a facility for the subset. These keywords were tested to maximize accuracy in selecting facilities that may use fire-fighting foam in training exercises, however, due to the lack of a required reporting field in the data systems for designating fire training sites, this methodology may not identify all fire training sites or may potentially misidentify them.

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS PART 139 AIRPORT: All Certified Part 139 Airports PFAS Information Listing

Since July 1, 2006, all certified part 139 airports are required to have fire-fighting foam onsite that meet military specifications (MIL-F-24385) (14 CFR 139.317). To date, these military specification fire-fighting foams are fluorinated and have been historically used for training and extinguishing. The 2018 FAA Reauthorization Act has a provision stating that no later than October 2021, FAA shall not require the use of fluorinated AFFF. This provision does not prohibit the use of fluorinated AFFF at Part 139 civilian airports; it only prohibits FAA from mandating its use. The Federal Aviation Administration?s document AC 150/5210-6D - Aircraft Fire Extinguishing Agents provides guidance on Aircraft Fire Extinguishing Agents, which includes Aqueous Film Forming Foam (AFFF).

Date of Government Version: 08/22/2018
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 13

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

AQUEOUS FOAM NRC: Aqueous Foam Related Incidents Listing

The National Response Center (NRC) serves as an emergency call center that fields initial reports for pollution and railroad incidents and forwards that information to appropriate federal/state agencies for response. The spreadsheets posted to the NRC website contain initial incident data that has not been validated or investigated by a federal/state response agency. Response center calls from 1990 to the most recent complete calendar year where there was indication of Aqueous Film Forming Foam (AFFF) usage are included in this dataset. NRC calls may reference AFFF usage in the ?Material Involved? or ?Incident Description? fields.

Date of Government Version: 02/23/2022
Date Data Arrived at EDR: 03/31/2022
Date Made Active in Reports: 11/08/2022
Number of Days to Update: 222

Source: Environmental Protection Agency
Telephone: 202-272-0167
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PFAS: PFAS Contamination Site Location Listing

A listing of PFAS contaminated sites included in the GeoTracker database.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 10/31/2022
Number of Days to Update: 61

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

AQUEOUS FOAM: Former Fire Training Facility Assessments Listing

Airports shown on this list are those believed to use Aqueous Film Forming Foam (AFFF), and certified by the Federal Aviation Administration (FAA) under Title 14, Code of Federal Regulations (CFR), Part 139 (14 CFR Part 139). This list was created by SWRCB using information available from the FAA. Location points shown are from the latitude and longitude listed on the FAA airport master record.

Date of Government Version: 09/06/2022
Date Data Arrived at EDR: 09/06/2022
Date Made Active in Reports: 10/26/2022
Number of Days to Update: 50

Source: State Water Resources Control Board
Telephone: 916-341-5455
Last EDR Contact: 10/09/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

CA BOND EXP. PLAN: Bond Expenditure Plan

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/1989
Date Data Arrived at EDR: 07/27/1994
Date Made Active in Reports: 08/02/1994
Number of Days to Update: 6

Source: Department of Health Services
Telephone: 916-255-2118
Last EDR Contact: 05/31/1994
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

CORTESE: "Cortese" Hazardous Waste & Substances Sites List

The sites for the list are designated by the State Water Resource Control Board (LUST), the Integrated Waste Board (SWF/LS), and the Department of Toxic Substances Control (Cal-Sites).

Date of Government Version: 09/19/2022
Date Data Arrived at EDR: 09/19/2022
Date Made Active in Reports: 12/07/2022
Number of Days to Update: 79

Source: CAL EPA/Office of Emergency Information
Telephone: 916-323-3400
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

CUPA LIVERMORE-PLEASANTON: CUPA Facility Listing

list of facilities associated with the various CUPA programs in Livermore-Pleasanton

Date of Government Version: 12/07/2021
Date Data Arrived at EDR: 05/09/2022
Date Made Active in Reports: 05/17/2022
Number of Days to Update: 8

Source: Livermore-Pleasanton Fire Department
Telephone: 925-454-2361
Last EDR Contact: 02/10/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

DRYCLEANERS: Cleaner Facilities

A list of drycleaner related facilities that have EPA ID numbers. These are facilities with certain SIC codes: power laundries, family and commercial; garment pressing and cleaner's agents; linen supply; coin-operated laundries and cleaning; drycleaning plants, except rugs; carpet and upholster cleaning; industrial launderers; laundry and garment services.

Date of Government Version: 08/27/2021
Date Data Arrived at EDR: 09/01/2021
Date Made Active in Reports: 11/19/2021
Number of Days to Update: 79

Source: Department of Toxic Substance Control
Telephone: 916-327-4498
Last EDR Contact: 01/24/2023
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Annually

DRYCLEAN AVAQMD: Antelope Valley Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the Antelope Valley Air Quality Management District.

Date of Government Version: 11/14/2022
Date Data Arrived at EDR: 11/14/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 79

Source: Antelope Valley Air Quality Management District
Telephone: 661-723-8070
Last EDR Contact: 11/14/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

DRYCLEAN SOUTH COAST: South Coast Air Quality Management District Drycleaner Listing

A listing of dry cleaners in the South Coast Air Quality Management District

Date of Government Version: 08/18/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 77

Source: South Coast Air Quality Management District
Telephone: 909-396-3211
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

EMI: Emissions Inventory Data

Toxics and criteria pollutant emissions data collected by the ARB and local air pollution agencies.

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 06/13/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 78

Source: California Air Resources Board
Telephone: 916-322-2990
Last EDR Contact: 12/15/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Varies

ENF: Enforcement Action Listing

A listing of Water Board Enforcement Actions. Formal is everything except Oral/Verbal Communication, Notice of Violation, Expedited Payment Letter, and Staff Enforcement Letter.

Date of Government Version: 10/17/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: State Water Resoruces Control Board
Telephone: 916-445-9379
Last EDR Contact: 01/18/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing

Financial Assurance information

Date of Government Version: 10/12/2022
Date Data Arrived at EDR: 10/12/2022
Date Made Active in Reports: 12/29/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 916-255-3628
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

A listing of financial assurance information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 08/09/2022
Date Data Arrived at EDR: 08/10/2022
Date Made Active in Reports: 08/30/2022
Number of Days to Update: 20

Source: California Integrated Waste Management Board
Telephone: 916-341-6066
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Varies

ICE: ICE

Contains data pertaining to the Permitted Facilities with Inspections / Enforcements sites tracked in Envirostor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Subsances Control
Telephone: 877-786-9427
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

HIST CORTESE: Hazardous Waste & Substance Site List

The sites for the list are designated by the State Water Resource Control Board [LUST], the Integrated Waste Board [SWF/LS], and the Department of Toxic Substances Control [CALSITES]. This listing is no longer updated by the state agency.

Date of Government Version: 04/01/2001
Date Data Arrived at EDR: 01/22/2009
Date Made Active in Reports: 04/08/2009
Number of Days to Update: 76

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 01/22/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

HWP: EnviroStor Permitted Facilities Listing

Detailed information on permitted hazardous waste facilities and corrective action ("cleanups") tracked in EnviroStor.

Date of Government Version: 11/10/2022
Date Data Arrived at EDR: 11/10/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 83

Source: Department of Toxic Substances Control
Telephone: 916-323-3400
Last EDR Contact: 11/10/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Quarterly

HWT: Registered Hazardous Waste Transporter Database

A listing of hazardous waste transporters. In California, unless specifically exempted, it is unlawful for any person to transport hazardous wastes unless the person holds a valid registration issued by DTSC. A hazardous waste transporter registration is valid for one year and is assigned a unique registration number.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/03/2022
Date Made Active in Reports: 12/15/2022
Number of Days to Update: 73

Source: Department of Toxic Substances Control
Telephone: 916-440-7145
Last EDR Contact: 01/04/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Quarterly

HAZNET: Facility and Manifest Data

Facility and Manifest Data. The data is extracted from the copies of hazardous waste manifests received each year by the DTSC. The annual volume of manifests is typically 700,000 - 1,000,000 annually, representing approximately 350,000 - 500,000 shipments. Data are from the manifests submitted without correction, and therefore many contain some invalid values for data elements such as generator ID, TSD ID, waste category, and disposal method. This database begins with calendar year 1993.

Date of Government Version: 12/31/2021
Date Data Arrived at EDR: 07/05/2022
Date Made Active in Reports: 09/19/2022
Number of Days to Update: 76

Source: California Environmental Protection Agency
Telephone: 916-255-1136
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

MINES: Mines Site Location Listing
A listing of mine site locations from the Office of Mine Reclamation.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79
Source: Department of Conservation
Telephone: 916-322-1080
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

MWMP: Medical Waste Management Program Listing
The Medical Waste Management Program (MWMP) ensures the proper handling and disposal of medical waste by permitting and inspecting medical waste Offsite Treatment Facilities (PDF) and Transfer Stations (PDF) throughout the state. MWMP also oversees all Medical Waste Transporters.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81
Source: Department of Public Health
Telephone: 916-558-1784
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

NPDES: NPDES Permits Listing
A listing of NPDES permits, including stormwater.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/03/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 83
Source: State Water Resources Control Board
Telephone: 916-445-9379
Last EDR Contact: 02/07/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: Quarterly

PEST LIC: Pesticide Regulation Licenses Listing
A listing of licenses and certificates issued by the Department of Pesticide Regulation. The DPR issues licenses and/or certificates to: Persons and businesses that apply or sell pesticides; Pest control dealers and brokers; Persons who advise on agricultural pesticide applications.

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81
Source: Department of Pesticide Regulation
Telephone: 916-445-4038
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

PROC: Certified Processors Database
A listing of certified processors.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79
Source: Department of Conservation
Telephone: 916-323-3836
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

NOTIFY 65: Proposition 65 Records
Listings of all Proposition 65 incidents reported to counties by the State Water Resources Control Board and the Regional Water Quality Control Board. This database is no longer updated by the reporting agency.

Date of Government Version: 09/07/2022
Date Data Arrived at EDR: 09/08/2022
Date Made Active in Reports: 11/29/2022
Number of Days to Update: 82
Source: State Water Resources Control Board
Telephone: 916-445-3846
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: No Update Planned

UIC: UIC Listing
A listing of wells identified as underground injection wells, in the California Oil and Gas Wells database.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79
Source: Deaprtment of Conservation
Telephone: 916-445-2408
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

UIC GEO: Underground Injection Control Sites (GEOTRACKER)
Underground control injection sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resource Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

WASTEWATER PITS: Oil Wastewater Pits Listing
Water officials discovered that oil producers have been dumping chemical-laden wastewater into hundreds of unlined pits that are operating without proper permits. Inspections completed by the Central Valley Regional Water Quality Control Board revealed the existence of previously unidentified waste sites. The water boards review found that more than one-third of the region's active disposal pits are operating without permission.

Date of Government Version: 02/11/2021
Date Data Arrived at EDR: 07/01/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 90
Source: RWQCB, Central Valley Region
Telephone: 559-445-5577
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

WDS: Waste Discharge System
Sites which have been issued waste discharge requirements.

Date of Government Version: 06/19/2007
Date Data Arrived at EDR: 06/20/2007
Date Made Active in Reports: 06/29/2007
Number of Days to Update: 9
Source: State Water Resources Control Board
Telephone: 916-341-5227
Last EDR Contact: 11/08/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: No Update Planned

WIP: Well Investigation Program Case List
Well Investigation Program case in the San Gabriel and San Fernando Valley area.

Date of Government Version: 07/03/2009
Date Data Arrived at EDR: 07/21/2009
Date Made Active in Reports: 08/03/2009
Number of Days to Update: 13
Source: Los Angeles Water Quality Control Board
Telephone: 213-576-6726
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: No Update Planned

MILITARY PRIV SITES: Military Privatized Sites (GEOTRACKER)
Military privatized sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

PROJECT: Project Sites (GEOTRACKER)
Projects sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

WDR: Waste Discharge Requirements Listing

In general, the Waste Discharge Requirements (WDRs) Program (sometimes also referred to as the "Non Chapter 15 (Non 15) Program") regulates point discharges that are exempt pursuant to Subsection 20090 of Title 27 and not subject to the Federal Water Pollution Control Act. Exemptions from Title 27 may be granted for nine categories of discharges (e.g., sewage, wastewater, etc.) that meet, and continue to meet, the preconditions listed for each specific exemption. The scope of the WDRs Program also includes the discharge of wastes classified as inert, pursuant to section 20230 of Title 27.

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/18/2022
Number of Days to Update: 79

Source: State Water Resources Control Board
Telephone: 916-341-5810
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

CIWQS: California Integrated Water Quality System

The California Integrated Water Quality System (CIWQS) is a computer system used by the State and Regional Water Quality Control Boards to track information about places of environmental interest, manage permits and other orders, track inspections, and manage violations and enforcement activities.

Date of Government Version: 08/16/2022
Date Data Arrived at EDR: 08/17/2022
Date Made Active in Reports: 08/18/2022
Number of Days to Update: 1

Source: State Water Resources Control Board
Telephone: 866-794-4977
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Varies

CERS: CalEPA Regulated Site Portal Data

The CalEPA Regulated Site Portal database combines data about environmentally regulated sites and facilities in California into a single database. It combines data from a variety of state and federal databases, and provides an overview of regulated activities across the spectrum of environmental programs for any given location in California. These activities include hazardous materials and waste, state and federal cleanups, impacted ground and surface waters, and toxic materials

Date of Government Version: 01/05/2023
Date Data Arrived at EDR: 01/06/2023
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 4

Source: California Environmental Protection Agency
Telephone: 916-323-2514
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

NON-CASE INFO: Non-Case Information Sites (GEOTRACKER)

Non-Case Information sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

OTHER OIL GAS: Other Oil & Gas Projects Sites (GEOTRACKER)

Other Oil & Gas Projects sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78

Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

PROD WATER PONDS: Produced Water Ponds Sites (GEOTRACKER)
Produced water ponds sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

SAMPLING POINT: Sampling Point ? Public Sites (GEOTRACKER)
Sampling point - public sites

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

WELL STIM PROJ: Well Stimulation Project (GEOTRACKER)
Includes areas of groundwater monitoring plans, a depiction of the monitoring network, and the facilities, boundaries, and subsurface characteristics of the oilfield and the features (oil and gas wells, produced water ponds, UIC wells, water supply wells, etc?) being monitored

Date of Government Version: 08/31/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/17/2022
Number of Days to Update: 78
Source: State Water Resources Control Board
Telephone: 866-480-1028
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Varies

HWTS: Hazardous Waste Tracking System
DTSC maintains the Hazardous Waste Tracking System that stores ID number information since the early 1980s and manifest data since 1993. The system collects both manifest copies from the generator and destination facility.

Date of Government Version: 04/05/2022
Date Data Arrived at EDR: 04/05/2022
Date Made Active in Reports: 04/26/2022
Number of Days to Update: 21
Source: Department of Toxic Substances Control
Telephone: 916-324-2444
Last EDR Contact: 01/03/2023
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

PCS ENF: Enforcement data
No description is available for this data

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 02/05/2015
Date Made Active in Reports: 03/06/2015
Number of Days to Update: 29
Source: EPA
Telephone: 202-564-2497
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Varies

MINES MRDS: Mineral Resources Data System
Mineral Resources Data System

Date of Government Version: 04/06/2018
Date Data Arrived at EDR: 10/21/2019
Date Made Active in Reports: 10/24/2019
Number of Days to Update: 3
Source: USGS
Telephone: 703-648-6533
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

PCS: Permit Compliance System
PCS is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

Date of Government Version: 07/14/2011
Date Data Arrived at EDR: 08/05/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 55

Source: EPA, Office of Water
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

PCS INACTIVE: Listing of Inactive PCS Permits
An inactive permit is a facility that has shut down or is no longer discharging.

Date of Government Version: 11/05/2014
Date Data Arrived at EDR: 01/06/2015
Date Made Active in Reports: 05/06/2015
Number of Days to Update: 120

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations
EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners
EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Resources Recycling and Recovery in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/13/2014
Number of Days to Update: 196

Source: Department of Resources Recycling and Recovery
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LUST: Recovered Government Archive Leaking Underground Storage Tank

The EDR Recovered Government Archive Leaking Underground Storage Tank database provides a list of LUST incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the State Water Resources Control Board in California.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: State Water Resources Control Board
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

COUNTY RECORDS

ALAMEDA COUNTY:

CS ALAMEDA: Contaminated Sites

A listing of contaminated sites overseen by the Toxic Release Program (oil and groundwater contamination from chemical releases and spills) and the Leaking Underground Storage Tank Program (soil and ground water contamination from leaking petroleum USTs).

Date of Government Version: 01/09/2019
Date Data Arrived at EDR: 01/11/2019
Date Made Active in Reports: 03/05/2019
Number of Days to Update: 53

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

UST ALAMEDA: Underground Tanks

Underground storage tank sites located in Alameda county.

Date of Government Version: 09/28/2022
Date Data Arrived at EDR: 09/29/2022
Date Made Active in Reports: 12/14/2022
Number of Days to Update: 76

Source: Alameda County Environmental Health Services
Telephone: 510-567-6700
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

AMADOR COUNTY:

CUPA AMADOR: CUPA Facility List
Cupa Facility List

Date of Government Version: 07/22/2022
Date Data Arrived at EDR: 07/27/2022
Date Made Active in Reports: 08/01/2022
Number of Days to Update: 5

Source: Amador County Environmental Health
Telephone: 209-223-6439
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

BUTTE COUNTY:

CUPA BUTTE: CUPA Facility Listing
Cupa facility list.

Date of Government Version: 04/21/2017
Date Data Arrived at EDR: 04/25/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 106

Source: Public Health Department
Telephone: 530-538-7149
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: No Update Planned

CALVERAS COUNTY:

CUPA CALVERAS: CUPA Facility Listing
Cupa Facility Listing

Date of Government Version: 12/13/2022
Date Data Arrived at EDR: 12/15/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 6

Source: Calveras County Environmental Health
Telephone: 209-754-6399
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

COLUSA COUNTY:

CUPA COLUSA: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/06/2020
Date Data Arrived at EDR: 04/23/2020
Date Made Active in Reports: 07/10/2020
Number of Days to Update: 78

Source: Health & Human Services
Telephone: 530-458-0396
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Semi-Annually

CONTRA COSTA COUNTY:

SL CONTRA COSTA: Site List
List includes sites from the underground tank, hazardous waste generator and business plan/2185 programs.

Date of Government Version: 10/20/2022
Date Data Arrived at EDR: 10/21/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 81

Source: Contra Costa Health Services Department
Telephone: 925-646-2286
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Semi-Annually

DEL NORTE COUNTY:

CUPA DEL NORTE: CUPA Facility List
Cupa Facility list

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 05/06/2022
Date Made Active in Reports: 07/28/2022
Number of Days to Update: 83

Source: Del Norte County Environmental Health Division
Telephone: 707-465-0426
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

EL DORADO COUNTY:

CUPA EL DORADO: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/08/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 09/01/2022
Number of Days to Update: 23

Source: El Dorado County Environmental Management Department
Telephone: 530-621-6623
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

FRESNO COUNTY:

CUPA FRESNO: CUPA Resources List
Certified Unified Program Agency. CUPA's are responsible for implementing a unified hazardous materials and hazardous waste management regulatory program. The agency provides oversight of businesses that deal with hazardous materials, operate underground storage tanks or aboveground storage tanks.

Date of Government Version: 06/28/2021
Date Data Arrived at EDR: 12/21/2021
Date Made Active in Reports: 03/03/2022
Number of Days to Update: 72

Source: Dept. of Community Health
Telephone: 559-445-3271
Last EDR Contact: 12/29/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

GLENN COUNTY:

CUPA GLENN: CUPA Facility List
Cupa facility list

Date of Government Version: 01/22/2018
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 03/14/2018
Number of Days to Update: 49

Source: Glenn County Air Pollution Control District
Telephone: 830-934-6500
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: No Update Planned

HUMBOLDT COUNTY:

CUPA HUMBOLDT: CUPA Facility List
CUPA facility list.

Date of Government Version: 08/12/2021
Date Data Arrived at EDR: 08/12/2021
Date Made Active in Reports: 11/08/2021
Number of Days to Update: 88

Source: Humboldt County Environmental Health
Telephone: N/A
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Semi-Annually

IMPERIAL COUNTY:

CUPA IMPERIAL: CUPA Facility List
Cupa facility list.

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/12/2022
Date Made Active in Reports: 12/29/2022
Number of Days to Update: 78

Source: San Diego Border Field Office
Telephone: 760-339-2777
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

INYO COUNTY:

CUPA INYO: CUPA Facility List
Cupa facility list.

Date of Government Version: 04/02/2018
Date Data Arrived at EDR: 04/03/2018
Date Made Active in Reports: 06/14/2018
Number of Days to Update: 72

Source: Inyo County Environmental Health Services
Telephone: 760-878-0238
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

KERN COUNTY:

CUPA KERN: CUPA Facility List
A listing of sites included in the Kern County Hazardous Material Business Plan.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Public Health
Telephone: 661-321-3000
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

UST KERN: Underground Storage Tank Sites & Tank Listing
Kern County Sites and Tanks Listing.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/05/2022
Date Made Active in Reports: 12/16/2022
Number of Days to Update: 72

Source: Kern County Environment Health Services Department
Telephone: 661-862-8700
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

KINGS COUNTY:

CUPA KINGS: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 12/03/2020
Date Data Arrived at EDR: 01/26/2021
Date Made Active in Reports: 04/14/2021
Number of Days to Update: 78

Source: Kings County Department of Public Health
Telephone: 559-584-1411
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

LAKE COUNTY:

CUPA LAKE: CUPA Facility List
Cupa facility list

Date of Government Version: 11/04/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: Lake County Environmental Health
Telephone: 707-263-1164
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LASSEN COUNTY:

CUPA LASSEN: CUPA Facility List
Cupa facility list

Date of Government Version: 07/31/2020
Date Data Arrived at EDR: 08/21/2020
Date Made Active in Reports: 11/09/2020
Number of Days to Update: 80

Source: Lassen County Environmental Health
Telephone: 530-251-8528
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

LOS ANGELES COUNTY:

AOCONCERN: Key Areas of Concerns in Los Angeles County
San Gabriel Valley areas where VOC contamination is at or above the MCL as designated by region 9 EPA office. Date of Government Version: 3/30/2009 Exide Site area is a cleanup plan of lead-impacted soil surrounding the former Exide Facility as designated by the DTSC. Date of Government Version: 7/17/2017

Date of Government Version: 03/30/2009
Date Data Arrived at EDR: 03/31/2009
Date Made Active in Reports: 10/23/2009
Number of Days to Update: 206

Source: N/A
Telephone: N/A
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: No Update Planned

HMS LOS ANGELES: HMS: Street Number List
Industrial Waste and Underground Storage Tank Sites.

Date of Government Version: 10/03/2022
Date Data Arrived at EDR: 10/04/2022
Date Made Active in Reports: 12/15/2022
Number of Days to Update: 72

Source: Department of Public Works
Telephone: 626-458-3517
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Semi-Annually

LF LOS ANGELES: List of Solid Waste Facilities
Solid Waste Facilities in Los Angeles County.

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: La County Department of Public Works
Telephone: 818-458-5185
Last EDR Contact: 01/10/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LF LOS ANGELES CITY: City of Los Angeles Landfills
Landfills owned and maintained by the City of Los Angeles.

Date of Government Version: 01/01/2022
Date Data Arrived at EDR: 01/21/2022
Date Made Active in Reports: 04/11/2022
Number of Days to Update: 80

Source: Engineering & Construction Division
Telephone: 213-473-7869
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

LOS ANGELES AST: Active & Inactive AST Inventory
A listing of active & inactive above ground petroleum storage tank site locations, located in the City of Los Angeles.

Date of Government Version: 06/01/2019
Date Data Arrived at EDR: 06/25/2019
Date Made Active in Reports: 08/22/2019
Number of Days to Update: 58

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

LOS ANGELES CO LF METHANE: Methane Producing Landfills
This data was created on April 30, 2012 to represent known disposal sites in Los Angeles County that may produce and emanate methane gas. The shapefile contains disposal sites within Los Angeles County that once accepted degradable refuse material. Information used to create this data was extracted from a landfill survey performed by County Engineers (Major Waste System Map, 1973) as well as historical records from CalRecycle, Regional Water Quality Control Board, and Los Angeles County Department of Public Health

Date of Government Version: 01/10/2022
Date Data Arrived at EDR: 01/12/2022
Date Made Active in Reports: 04/04/2022
Number of Days to Update: 82

Source: Los Angeles County Department of Public Works
Telephone: 626-458-6973
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: No Update Planned

LOS ANGELES HM: Active & Inactive Hazardous Materials Inventory
A listing of active & inactive hazardous materials facility locations, located in the City of Los Angeles.

Date of Government Version: 08/30/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/07/2022
Number of Days to Update: 78

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

LOS ANGELES UST: Active & Inactive UST Inventory
A listing of active & inactive underground storage tank site locations and underground storage tank historical sites, located in the City of Los Angeles.

Date of Government Version: 08/30/2022
Date Data Arrived at EDR: 09/20/2022
Date Made Active in Reports: 12/08/2022
Number of Days to Update: 79

Source: Los Angeles Fire Department
Telephone: 213-978-3800
Last EDR Contact: 12/14/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

SITE MIT LOS ANGELES: Site Mitigation List
Industrial sites that have had some sort of spill or complaint.

Date of Government Version: 05/26/2021
Date Data Arrived at EDR: 07/09/2021
Date Made Active in Reports: 09/29/2021
Number of Days to Update: 82

Source: Community Health Services
Telephone: 323-890-7806
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Annually

UST EL SEGUNDO: City of El Segundo Underground Storage Tank
Underground storage tank sites located in El Segundo city.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 04/19/2017
Date Made Active in Reports: 05/10/2017
Number of Days to Update: 21

Source: City of El Segundo Fire Department
Telephone: 310-524-2236
Last EDR Contact: 01/05/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: No Update Planned

UST LONG BEACH: City of Long Beach Underground Storage Tank
Underground storage tank sites located in the city of Long Beach.

Date of Government Version: 04/22/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/27/2019
Number of Days to Update: 65

Source: City of Long Beach Fire Department
Telephone: 562-570-2563
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

UST TORRANCE: City of Torrance Underground Storage Tank
Underground storage tank sites located in the city of Torrance.

Date of Government Version: 10/18/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: City of Torrance Fire Department
Telephone: 310-618-2973
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Semi-Annually

MADERA COUNTY:

CUPA MADERA: CUPA Facility List
A listing of sites included in the county's Certified Unified Program Agency database. California's Secretary for Environmental Protection established the unified hazardous materials and hazardous waste regulatory program as required by chapter 6.11 of the California Health and Safety Code. The Unified Program consolidates the administration, permits, inspections, and enforcement activities.

Date of Government Version: 08/10/2020
Date Data Arrived at EDR: 08/12/2020
Date Made Active in Reports: 10/23/2020
Number of Days to Update: 72

Source: Madera County Environmental Health
Telephone: 559-675-7823
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

MARIN COUNTY:

UST MARIN: Underground Storage Tank Sites
Currently permitted USTs in Marin County.

Date of Government Version: 09/26/2018
Date Data Arrived at EDR: 10/04/2018
Date Made Active in Reports: 11/02/2018
Number of Days to Update: 29

Source: Public Works Department Waste Management
Telephone: 415-473-6647
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Semi-Annually

MENDOCINO COUNTY:

UST MENDOCINO: Mendocino County UST Database
A listing of underground storage tank locations in Mendocino County.

Date of Government Version: 09/22/2021
Date Data Arrived at EDR: 11/18/2021
Date Made Active in Reports: 11/22/2021
Number of Days to Update: 4

Source: Department of Public Health
Telephone: 707-463-4466
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Annually

MERCED COUNTY:

CUPA MERCED: CUPA Facility List
CUPA facility list.

Date of Government Version: 02/15/2022
Date Data Arrived at EDR: 02/17/2022
Date Made Active in Reports: 05/11/2022
Number of Days to Update: 83

Source: Merced County Environmental Health
Telephone: 209-381-1094
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

MONO COUNTY:

CUPA MONO: CUPA Facility List
CUPA Facility List

Date of Government Version: 02/22/2021
Date Data Arrived at EDR: 03/02/2021
Date Made Active in Reports: 05/19/2021
Number of Days to Update: 78

Source: Mono County Health Department
Telephone: 760-932-5580
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: Varies

MONTEREY COUNTY:

CUPA MONTEREY: CUPA Facility Listing
CUPA Program listing from the Environmental Health Division.

Date of Government Version: 10/04/2021
Date Data Arrived at EDR: 10/06/2021
Date Made Active in Reports: 12/29/2021
Number of Days to Update: 84

Source: Monterey County Health Department
Telephone: 831-796-1297
Last EDR Contact: 02/03/2023
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Varies

NAPA COUNTY:

LUST NAPA: Sites With Reported Contamination
A listing of leaking underground storage tank sites located in Napa county.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 03/02/2017
Number of Days to Update: 50

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

UST NAPA: Closed and Operating Underground Storage Tank Sites
Underground storage tank sites located in Napa county.

Date of Government Version: 09/05/2019
Date Data Arrived at EDR: 09/09/2019
Date Made Active in Reports: 10/31/2019
Number of Days to Update: 52

Source: Napa County Department of Environmental Management
Telephone: 707-253-4269
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

NEVADA COUNTY:

CUPA NEVADA: CUPA Facility List
CUPA facility list.

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/27/2022
Date Made Active in Reports: 01/18/2023
Number of Days to Update: 83

Source: Community Development Agency
Telephone: 530-265-1467
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

ORANGE COUNTY:

IND_SITE ORANGE: List of Industrial Site Cleanups
Petroleum and non-petroleum spills.

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/09/2022
Date Made Active in Reports: 10/28/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

LUST ORANGE: List of Underground Storage Tank Cleanups
Orange County Underground Storage Tank Cleanups (LUST).

Date of Government Version: 04/08/2022
Date Data Arrived at EDR: 05/18/2022
Date Made Active in Reports: 08/03/2022
Number of Days to Update: 77

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

UST ORANGE: List of Underground Storage Tank Facilities
Orange County Underground Storage Tank Facilities (UST).

Date of Government Version: 05/24/2022
Date Data Arrived at EDR: 08/01/2022
Date Made Active in Reports: 10/20/2022
Number of Days to Update: 80

Source: Health Care Agency
Telephone: 714-834-3446
Last EDR Contact: 01/31/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

PLACER COUNTY:

MS PLACER: Master List of Facilities
List includes aboveground tanks, underground tanks and cleanup sites.

Date of Government Version: 08/26/2022
Date Data Arrived at EDR: 08/29/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 78

Source: Placer County Health and Human Services
Telephone: 530-745-2363
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Semi-Annually

PLUMAS COUNTY:

CUPA PLUMAS: CUPA Facility List
Plumas County CUPA Program facilities.

Date of Government Version: 03/31/2019
Date Data Arrived at EDR: 04/23/2019
Date Made Active in Reports: 06/26/2019
Number of Days to Update: 64

Source: Plumas County Environmental Health
Telephone: 530-283-6355
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

RIVERSIDE COUNTY:

LUST RIVERSIDE: Listing of Underground Tank Cleanup Sites
Riverside County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Quarterly

UST RIVERSIDE: Underground Storage Tank Tank List
Underground storage tank sites located in Riverside county.

Date of Government Version: 09/22/2022
Date Data Arrived at EDR: 09/26/2022
Date Made Active in Reports: 12/09/2022
Number of Days to Update: 74
Source: Department of Environmental Health
Telephone: 951-358-5055
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Quarterly

SACRAMENTO COUNTY:

CS SACRAMENTO: Toxic Site Clean-Up List
List of sites where unauthorized releases of potentially hazardous materials have occurred.

Date of Government Version: 06/18/2021
Date Data Arrived at EDR: 09/28/2021
Date Made Active in Reports: 12/14/2021
Number of Days to Update: 77
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/21/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

ML SACRAMENTO: Master Hazardous Materials Facility List
Any business that has hazardous materials on site - hazardous material storage sites, underground storage tanks, waste generators.

Date of Government Version: 05/04/2022
Date Data Arrived at EDR: 06/30/2022
Date Made Active in Reports: 07/05/2022
Number of Days to Update: 5
Source: Sacramento County Environmental Management
Telephone: 916-875-8406
Last EDR Contact: 12/09/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Quarterly

SAN BENITO COUNTY:

CUPA SAN BENITO: CUPA Facility List
Cupa facility list

Date of Government Version: 10/27/2022
Date Data Arrived at EDR: 10/28/2022
Date Made Active in Reports: 01/18/2023
Number of Days to Update: 82
Source: San Benito County Environmental Health
Telephone: N/A
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

SAN BERNARDINO COUNTY:

PERMITS SAN BERNARDINO: Hazardous Material Permits
This listing includes underground storage tanks, medical waste handlers/generators, hazardous materials handlers, hazardous waste generators, and waste oil generators/handlers.

Date of Government Version: 11/18/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/09/2023
Number of Days to Update: 80

Source: San Bernardino County Fire Department Hazardous Materials Division
Telephone: 909-387-3041
Last EDR Contact: 01/30/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

SAN DIEGO COUNTY:

HMMD SAN DIEGO: Hazardous Materials Management Division Database

The database includes: HE58 - This report contains the business name, site address, business phone number, establishment 'H' permit number, type of permit, and the business status. HE17 - In addition to providing the same information provided in the HE58 listing, HE17 provides inspection dates, violations received by the establishment, hazardous waste generated, the quantity, method of storage, treatment/disposal of waste and the hauler, and information on underground storage tanks. Unauthorized Release List - Includes a summary of environmental contamination cases in San Diego County (underground tank cases, non-tank cases, groundwater contamination, and soil contamination are included.)

Date of Government Version: 08/25/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/15/2022
Number of Days to Update: 82

Source: Hazardous Materials Management Division
Telephone: 619-338-2268
Last EDR Contact: 11/29/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

LF SAN DIEGO: Solid Waste Facilities

San Diego County Solid Waste Facilities.

Date of Government Version: 10/27/2021
Date Data Arrived at EDR: 03/04/2022
Date Made Active in Reports: 05/31/2022
Number of Days to Update: 88

Source: Department of Health Services
Telephone: 619-338-2209
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN DIEGO CO LOP: Local Oversight Program Listing

A listing of all LOP release sites that are or were under the County of San Diego's jurisdiction. Included are closed or transferred cases, open cases, and cases that did not have a case type indicated. The cases without a case type are mostly complaints; however, some of them could be LOP cases.

Date of Government Version: 07/22/2021
Date Data Arrived at EDR: 10/19/2021
Date Made Active in Reports: 01/13/2022
Number of Days to Update: 86

Source: Department of Environmental Health
Telephone: 858-505-6874
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN DIEGO CO SAM: Environmental Case Listing

The listing contains all underground tank release cases and projects pertaining to properties contaminated with hazardous substances that are actively under review by the Site Assessment and Mitigation Program.

Date of Government Version: 03/23/2010
Date Data Arrived at EDR: 06/15/2010
Date Made Active in Reports: 07/09/2010
Number of Days to Update: 24

Source: San Diego County Department of Environmental Health
Telephone: 619-338-2371
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: No Update Planned

SAN FRANCISCO COUNTY:

CUPA SAN FRANCISCO CO: CUPA Facility Listing

Cupa facilities

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/25/2023
Number of Days to Update: 79

Source: San Francisco County Department of Environmental Health
Telephone: 415-252-3896
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

LUST SAN FRANCISCO: Local Oversite Facilities
A listing of leaking underground storage tank sites located in San Francisco county.

Date of Government Version: 09/19/2008
Date Data Arrived at EDR: 09/19/2008
Date Made Active in Reports: 09/29/2008
Number of Days to Update: 10

Source: Department Of Public Health San Francisco County
Telephone: 415-252-3920
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: No Update Planned

UST SAN FRANCISCO: Underground Storage Tank Information
Underground storage tank sites located in San Francisco county.

Date of Government Version: 11/03/2022
Date Data Arrived at EDR: 11/07/2022
Date Made Active in Reports: 01/24/2023
Number of Days to Update: 78

Source: Department of Public Health
Telephone: 415-252-3920
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Quarterly

SAN FRANCISO COUNTY:

SAN FRANCISCO MAHER: Maher Ordinance Property Listing
a listing of properties that fall within a Maher Ordinance, for all of San Francisco

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/14/2022
Date Made Active in Reports: 01/04/2023
Number of Days to Update: 82

Source: San Francisco Planning
Telephone: 628-652-7483
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

SAN JOAQUIN COUNTY:

UST SAN JOAQUIN: San Joaquin Co. UST
A listing of underground storage tank locations in San Joaquin county.

Date of Government Version: 06/22/2018
Date Data Arrived at EDR: 06/26/2018
Date Made Active in Reports: 07/11/2018
Number of Days to Update: 15

Source: Environmental Health Department
Telephone: N/A
Last EDR Contact: 12/06/2022
Next Scheduled EDR Contact: 03/27/2023
Data Release Frequency: Semi-Annually

SAN LUIS OBISPO COUNTY:

CUPA SAN LUIS OBISPO: CUPA Facility List
Cupa Facility List.

Date of Government Version: 11/08/2022
Date Data Arrived at EDR: 11/09/2022
Date Made Active in Reports: 02/01/2023
Number of Days to Update: 84

Source: San Luis Obispo County Public Health Department
Telephone: 805-781-5596
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SAN MATEO COUNTY:

BI SAN MATEO: Business Inventory
List includes Hazardous Materials Business Plan, hazardous waste generators, and underground storage tanks.

Date of Government Version: 02/20/2020
Date Data Arrived at EDR: 02/20/2020
Date Made Active in Reports: 04/24/2020
Number of Days to Update: 64
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 12/09/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Annually

LUST SAN MATEO: Fuel Leak List
A listing of leaking underground storage tank sites located in San Mateo county.

Date of Government Version: 03/29/2019
Date Data Arrived at EDR: 03/29/2019
Date Made Active in Reports: 05/29/2019
Number of Days to Update: 61
Source: San Mateo County Environmental Health Services Division
Telephone: 650-363-1921
Last EDR Contact: 11/30/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Semi-Annually

SANTA BARBARA COUNTY:

CUPA SANTA BARBARA: CUPA Facility Listing
CUPA Program Listing from the Environmental Health Services division.

Date of Government Version: 09/08/2011
Date Data Arrived at EDR: 09/09/2011
Date Made Active in Reports: 10/07/2011
Number of Days to Update: 28
Source: Santa Barbara County Public Health Department
Telephone: 805-686-8167
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: No Update Planned

SANTA CLARA COUNTY:

CUPA SANTA CLARA: Cupa Facility List
Cupa facility list

Date of Government Version: 10/28/2022
Date Data Arrived at EDR: 11/01/2022
Date Made Active in Reports: 01/20/2023
Number of Days to Update: 80
Source: Department of Environmental Health
Telephone: 408-918-1973
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

HIST LUST SANTA CLARA: HIST LUST - Fuel Leak Site Activity Report
A listing of open and closed leaking underground storage tanks. This listing is no longer updated by the county. Leaking underground storage tanks are now handled by the Department of Environmental Health.

Date of Government Version: 03/29/2005
Date Data Arrived at EDR: 03/30/2005
Date Made Active in Reports: 04/21/2005
Number of Days to Update: 22
Source: Santa Clara Valley Water District
Telephone: 408-265-2600
Last EDR Contact: 03/23/2009
Next Scheduled EDR Contact: 06/22/2009
Data Release Frequency: No Update Planned

LUST SANTA CLARA: LOP Listing
A listing of leaking underground storage tanks located in Santa Clara county.

Date of Government Version: 03/03/2014
Date Data Arrived at EDR: 03/05/2014
Date Made Active in Reports: 03/18/2014
Number of Days to Update: 13
Source: Department of Environmental Health
Telephone: 408-918-3417
Last EDR Contact: 11/15/2022
Next Scheduled EDR Contact: 03/06/2023
Data Release Frequency: No Update Planned

SAN JOSE HAZMAT: Hazardous Material Facilities
Hazardous material facilities, including underground storage tank sites.

Date of Government Version: 11/03/2020
Date Data Arrived at EDR: 11/05/2020
Date Made Active in Reports: 01/26/2021
Number of Days to Update: 82

Source: City of San Jose Fire Department
Telephone: 408-535-7694
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Annually

SANTA CRUZ COUNTY:

CUPA SANTA CRUZ: CUPA Facility List
CUPA facility listing.

Date of Government Version: 01/21/2017
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 05/23/2017
Number of Days to Update: 90

Source: Santa Cruz County Environmental Health
Telephone: 831-464-2761
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SHASTA COUNTY:

CUPA SHASTA: CUPA Facility List
Cupa Facility List.

Date of Government Version: 06/15/2017
Date Data Arrived at EDR: 06/19/2017
Date Made Active in Reports: 08/09/2017
Number of Days to Update: 51

Source: Shasta County Department of Resource Management
Telephone: 530-225-5789
Last EDR Contact: 02/09/2023
Next Scheduled EDR Contact: 05/29/2023
Data Release Frequency: Varies

SOLANO COUNTY:

LUST SOLANO: Leaking Underground Storage Tanks
A listing of leaking underground storage tank sites located in Solano county.

Date of Government Version: 06/04/2019
Date Data Arrived at EDR: 06/06/2019
Date Made Active in Reports: 08/13/2019
Number of Days to Update: 68

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

UST SOLANO: Underground Storage Tanks
Underground storage tank sites located in Solano county.

Date of Government Version: 09/15/2021
Date Data Arrived at EDR: 09/16/2021
Date Made Active in Reports: 12/09/2021
Number of Days to Update: 84

Source: Solano County Department of Environmental Management
Telephone: 707-784-6770
Last EDR Contact: 11/22/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Quarterly

SONOMA COUNTY:

CUPA SONOMA: Cupa Facility List
Cupa Facility list

Date of Government Version: 07/02/2021
Date Data Arrived at EDR: 07/06/2021
Date Made Active in Reports: 07/14/2021
Number of Days to Update: 8

Source: County of Sonoma Fire & Emergency Services Department
Telephone: 707-565-1174
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Varies

LUST SONOMA: Leaking Underground Storage Tank Sites
A listing of leaking underground storage tank sites located in Sonoma county.

Date of Government Version: 06/30/2021
Date Data Arrived at EDR: 06/30/2021
Date Made Active in Reports: 09/24/2021
Number of Days to Update: 86

Source: Department of Health Services
Telephone: 707-565-6565
Last EDR Contact: 12/13/2022
Next Scheduled EDR Contact: 04/03/2023
Data Release Frequency: Quarterly

STANISLAUS COUNTY:

CUPA STANISLAUS: CUPA Facility List
Cupa facility list

Date of Government Version: 02/08/2022
Date Data Arrived at EDR: 02/10/2022
Date Made Active in Reports: 05/04/2022
Number of Days to Update: 83

Source: Stanislaus County Department of Ennvironmental Protection
Telephone: 209-525-6751
Last EDR Contact: 01/09/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Varies

SUTTER COUNTY:

UST SUTTER: Underground Storage Tanks
Underground storage tank sites located in Sutter county.

Date of Government Version: 08/03/2022
Date Data Arrived at EDR: 08/25/2022
Date Made Active in Reports: 11/14/2022
Number of Days to Update: 81

Source: Sutter County Environmental Health Services
Telephone: 530-822-7500
Last EDR Contact: 11/23/2022
Next Scheduled EDR Contact: 03/13/2023
Data Release Frequency: Semi-Annually

TEHAMA COUNTY:

CUPA TEHAMA: CUPA Facility List
Cupa facilities

Date of Government Version: 11/17/2022
Date Data Arrived at EDR: 11/21/2022
Date Made Active in Reports: 02/10/2023
Number of Days to Update: 81

Source: Tehama County Department of Environmental Health
Telephone: 530-527-8020
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TRINITY COUNTY:

CUPA TRINITY: CUPA Facility List
Cupa facility list

Date of Government Version: 10/11/2022
Date Data Arrived at EDR: 10/12/2022
Date Made Active in Reports: 12/29/2022
Number of Days to Update: 78

Source: Department of Toxic Substances Control
Telephone: 760-352-0381
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

TULARE COUNTY:

CUPA TULARE: CUPA Facility List
Cupa program facilities

Date of Government Version: 10/07/2022
Date Data Arrived at EDR: 10/07/2022
Date Made Active in Reports: 12/21/2022
Number of Days to Update: 75

Source: Tulare County Environmental Health Services Division
Telephone: 559-624-7400
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/15/2023
Data Release Frequency: Varies

TUOLUMNE COUNTY:

CUPA TUOLUMNE: CUPA Facility List
Cupa facility list

Date of Government Version: 04/23/2018
Date Data Arrived at EDR: 04/25/2018
Date Made Active in Reports: 06/25/2018
Number of Days to Update: 61

Source: Divison of Environmental Health
Telephone: 209-533-5633
Last EDR Contact: 01/13/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Varies

VENTURA COUNTY:

BWT VENTURA: Business Plan, Hazardous Waste Producers, and Operating Underground Tanks
The BWT list indicates by site address whether the Environmental Health Division has Business Plan (B), Waste Producer (W), and/or Underground Tank (T) information.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/19/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 83

Source: Ventura County Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

LF VENTURA: Inventory of Illegal Abandoned and Inactive Sites
Ventura County Inventory of Closed, Illegal Abandoned, and Inactive Sites.

Date of Government Version: 12/01/2011
Date Data Arrived at EDR: 12/01/2011
Date Made Active in Reports: 01/19/2012
Number of Days to Update: 49

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: No Update Planned

LUST VENTURA: Listing of Underground Tank Cleanup Sites
Ventura County Underground Storage Tank Cleanup Sites (LUST).

Date of Government Version: 05/29/2008
Date Data Arrived at EDR: 06/24/2008
Date Made Active in Reports: 07/31/2008
Number of Days to Update: 37

Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 02/02/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: No Update Planned

MED WASTE VENTURA: Medical Waste Program List
To protect public health and safety and the environment from potential exposure to disease causing agents, the Environmental Health Division Medical Waste Program regulates the generation, handling, storage, treatment and disposal of medical waste throughout the County.

Date of Government Version: 09/26/2022
Date Data Arrived at EDR: 10/20/2022
Date Made Active in Reports: 01/10/2023
Number of Days to Update: 82

Source: Ventura County Resource Management Agency
Telephone: 805-654-2813
Last EDR Contact: 01/17/2023
Next Scheduled EDR Contact: 05/01/2023
Data Release Frequency: Quarterly

UST VENTURA: Underground Tank Closed Sites List
Ventura County Operating Underground Storage Tank Sites (UST)/Underground Tank Closed Sites List.

Date of Government Version: 08/29/2022
Date Data Arrived at EDR: 08/31/2022
Date Made Active in Reports: 11/21/2022
Number of Days to Update: 82
Source: Environmental Health Division
Telephone: 805-654-2813
Last EDR Contact: 12/02/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Quarterly

YOLO COUNTY:

UST YOLO: Underground Storage Tank Comprehensive Facility Report
Underground storage tank sites located in Yolo county.

Date of Government Version: 09/21/2022
Date Data Arrived at EDR: 09/30/2022
Date Made Active in Reports: 12/14/2022
Number of Days to Update: 75
Source: Yolo County Department of Health
Telephone: 530-666-8646
Last EDR Contact: 12/19/2022
Next Scheduled EDR Contact: 04/10/2023
Data Release Frequency: Annually

YUBA COUNTY:

CUPA YUBA: CUPA Facility List
CUPA facility listing for Yuba County.

Date of Government Version: 10/25/2022
Date Data Arrived at EDR: 10/26/2022
Date Made Active in Reports: 10/31/2022
Number of Days to Update: 5
Source: Yuba County Environmental Health Department
Telephone: 530-749-7523
Last EDR Contact: 01/20/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Varies

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/16/2022
Date Data Arrived at EDR: 11/16/2022
Date Made Active in Reports: 02/06/2023
Number of Days to Update: 82
Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 02/10/2023
Next Scheduled EDR Contact: 05/22/2023
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2018
Date Data Arrived at EDR: 04/10/2019
Date Made Active in Reports: 05/16/2019
Number of Days to Update: 36
Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 12/28/2022
Next Scheduled EDR Contact: 04/17/2023
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 01/01/2019
Date Data Arrived at EDR: 10/29/2021
Date Made Active in Reports: 01/19/2022
Number of Days to Update: 82

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 01/27/2023
Next Scheduled EDR Contact: 05/08/2023
Data Release Frequency: Quarterly

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 06/30/2018
Date Data Arrived at EDR: 07/19/2019
Date Made Active in Reports: 09/10/2019
Number of Days to Update: 53

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 01/06/2023
Next Scheduled EDR Contact: 04/24/2023
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2020
Date Data Arrived at EDR: 11/30/2021
Date Made Active in Reports: 02/18/2022
Number of Days to Update: 80

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 12/20/2022
Next Scheduled EDR Contact: 02/27/2023
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 05/31/2018
Date Data Arrived at EDR: 06/19/2019
Date Made Active in Reports: 09/03/2019
Number of Days to Update: 76

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/01/2022
Next Scheduled EDR Contact: 03/20/2023
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: Endeavor Business Media

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by Endeavor Business Media. This information is provided on a best effort basis and Endeavor Business Media does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of Endeavor Business Media.

Electric Power Transmission Line Data

Source: Endeavor Business Media

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.
Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.
Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.
Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 916-657-4041

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005, 2010 and 2015 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Wetland Inventory
Source: Department of Fish and Wildlife
Telephone: 916-445-0411

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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APPENDIX C
REGULATORY AGENCY RECORDS

Department of Toxic Substances Control

Meredith Williams, Ph.D.
Director
5796 Corporate Avenue
Cypress, California 90630

Yana Garcia
Secretary for
Environmental Protection

Gavin Newsom
Governor

February 15, 2023

Samantha Weis
WEIS ENVIRONMENTAL
sw@weisenviro.com

PR4-021423-06
480 HARLEY KNOX BLVD, PERRIS, CA

Dear Requestor:

We have received your Public Records Act Request from the Department of Toxic Substances Control (DTSC). After a thorough review of our files, no site records were found pertaining to the sites/facilities referenced above.

A large number of our records are available on EnviroStor, an online database that provides non-confidential, public access to DTSCs Data Management System. It tracks our cleanup, permitting, enforcement and investigation efforts at hazardous waste facilities and sites with known or suspected contamination issues. EnviroStor is available 24/7, 365 days a year. The data reflects the latest updates as they are entered in the system. Access it from your computer or smartphone, the local library – anywhere Internet access is available. Just go to www.envirostor.dtsc.ca.gov. You'll find a step-by-step tour of EnviroStor under the "How to Use EnviroStor" menu on the website.

If you have any questions or would like further information regarding your request, please contact me at 714-4845337 or via email at CypressFileRoom@dtsc.ca.gov.

Sincerely,

Julie Chandler
Julie Chandler
Regional Records Coordinator

Gmail Samantha Weis <sw@weisenviro.com>

Public Records Request/Waterboard/480 Harley Knox Boulevard, Perris, CA 92571

WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov> Fri, Feb 24, 2023 at 6:46 PM
To: Samantha Weis <sw@weisenviro.com>

Good afternoon,

After careful review of our records, we show we have no files for the following site:

480 Harley Knox Blvd., Perris

If we can be of further assistance, please do not hesitate to contact us again.

Thank you,

File Review Desk

3737 Main St. Suite 500

Riverside, CA 92501

From: Samantha Weis <sw@weisenviro.com>
Sent: Tuesday, February 14, 2023 11:06 AM
To: WB-RB8-FileReview8 <FileReview8@waterboards.ca.gov>
Subject: Public Records Request/Waterboard/480 Harley Knox Boulevard, Perris, CA 92571

EXTERNAL:

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Gmail

Samantha Weis <sw@weisenviro.com>

Records 480 Harley Knox Blvd

1 message

Stapleton, Jeffrey <JeStaple@rivco.org> Thu, Feb 23, 2023 at 8:56 AM
To: "sw@weisenviro.com" <sw@weisenviro.com>

Good morning Samantha,

I have researched your records request and found we do not have any permits or approval for this property. I do not have any records, you may want to contact Building & Safety to see if they have any records at 951-955-2021. Have a good day!

Thanks,

Jeff Stapleton
Environmental Health Specialist
Riverside County Department of Environmental Health
Land Use & Water Resources Program
3880 Lemon Street Suite 200, Riverside CA 92501
Phone #: 951-955-8980
Fax #: 951-955-8988
E-mail: jestaple@rivco.org
www.rivcoeh.org

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County of Riverside California

Gmail Samantha Weis <sw@weisenviro.com>

Public Records Request - 480 Harley Knox Boulevard, CA 92571

DEH Land Use Records <LandUseRecords@rivco.org> Wed, Feb 15, 2023 at 11:25 AM
To: Samantha Weis <sw@weisenviro.com>

Greetings,

Your request for septic tank and/or well records has been forwarded to the appropriate staff to be acted on as soon as possible.

Your request number is **21523-2**. Please keep this for tracking purposes.

Please keep in mind; Requests will be responded to within ten (10) business days per California Government Code, sections 6253 and 6256.

If you have not received information in regards to your request by March 2nd, please contact our office the next business day at 951-955-8980.

Thank you,

Department of Environmental Health
Environmental Protection and Oversight Division
RECORDS-Landuse and Water Resources
Western Riverside County Office: 951-955-8980
Eastern Riverside County Office: 760-863-7570
landuserecords@rivco.org

From: Samantha Weis <sw@weisenviro.com>
Sent: Tuesday, February 14, 2023 10:43 AM
To: DEH Land Use Records <LandUseRecords@rivco.org>
Subject: Public Records Request - 480 Harley Knox Boulevard, CA 92571

CAUTION: This email originated externally from the **Riverside County** email system. **DO NOT** click links or open attachments unless you recognize the sender and know the content is safe.

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County of Riverside California

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

JEFF JOHNSON, DIRECTOR

Records Request Acknowledgement Letter

February 15, 2023

Request No: **57192**

Request Date: **2/14/2023**

Samantha Weis
Weis Environmental LLC
1938 Kellogg Avenue, Ste 116
Carlsbad, CA 92008

Re: **480 Harley Knox Blvd, Perris**

We have received your request for records and a search of our files is being processed.

Once the research is completed, you will be notified regarding the outcome.

Note: Riverside County Environmental Health began storing records for the Hazardous Materials Management Division in 1986. Records for disclosure information in the cities of Corona and Riverside may need to be directed to the local City Fire Department. They can be reached at 951-736-2220 (Corona) and 951-826-5737 (Riverside).

Please feel free to use the following contact information to reach out to us with any questions:

Riverside County Department of Environmental Health
Hazardous Materials Management Division
4065 County Circle Dr., Rm. 104
Riverside, CA 92503
Telephone: 951-358-5055 Fax: 951-358-5017

Additional information can be found on our website at **www.rivcoeh.org**

County of Riverside

DEPARTMENT OF ENVIRONMENTAL HEALTH

JEFF JOHNSON, DIRECTOR

RELEASE OF RECORDS RESPONSE

March 2, 2023

Service Request No: 57192

Samantha Weis
Weis Environmental LLC
1938 Kellogg Avenue, Ste 116
Carlsbad, CA 92008

Our office has completed the research regarding your Hazardous Materials Management records request.

NO RECORDS WERE FOUND FOR THE FOLLOWING SITE ADDRESS:

480 Harley Knox Blvd, Perris

NO Emergency Response Complaint Investigation Report found for this site address.

We have closed this service request.

Thank you.

Please feel free to use the following contact information to reach out to us with any questions:

Riverside County Department of Environmental Health
Hazardous Materials Management Division
4065 County Circle Dr., Rm. 104
Riverside, CA 92503
Telephone: 951-358-5055 Fax: 951-358-5017

Additional information can be found on our website at **www.rivcoeh.org**

Gmail

Samantha Weis <sw@weisenviro.com>

Public Records Request - 480 Harley Knox Boulevard, Perris, CA 92571

Cristina Pedroza <CPedroza@cityofperris.org> Tue, Feb 14, 2023 at 11:22 AM
To: Samantha Weis <sw@weisenviro.com>, City Clerk <CityClerk@cityofperris.org>

Good morning,

The City of Perris has received your public records request. We are processing your request and will respond to you as soon as possible. Please let me know if you have any questions or need anything else. Thank you.

Moving forward the City of Perris will be utilizing Next Request Web Portal for their Public Records Request, effective, February 6th. For more information, you may visit https://www.cityofperris.org/departments/city-clerk.

Best Regards,

Cristina Pedroza

Administrative Technician II

City Clerk's Office

Cell: 951.591.1652

Desk: 951.943.6100 Ext. 221

Email: cpedroza@cityofperris.org

Web: www.cityofperris.org

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Record #	Status	Record Type	Application Name	Business Name	Opened Date	Street #	Dir	Street Name	Type	Unit #	First Name	Last Name
PMT22-03245	Issued	Annual Fire Life and Safety	ANNUAL FIRE LIFE & SAFETY INSPECTION JAN - DEC 2021		10/31/2022	480		HARLEY KNOX				
PLN22-05036		Sign Review	TEMPORARY BANNER	THE TEN CO	2/10/2022	480		HARLEY KNOX				
PMT21-02734	Issued	Commercial Alteration	COMMERCIAL ROUGH PLUMBING, ELECTRICAL, MECHANICAL		12/3/2021	480		HARLEY KNOX	BLV		JON	ZIMMERM/
PMT21-02438	Plan Review	Commercial Alteration	Rough Plumbing and drainage		10/29/2021	480		Harley Knox	BLV	A	Jon	Zimmerma
PLN21-05244		Sign Review	Temp Banners PFJohns	PF Johns	10/19/2021	480		Harley Knox				
PMT21-02147	Finaled	Commercial Alteration	Fire Alarm Repair	The Ten Co.	9/24/2021	480		Harley Knox	BLV		John	Zimmerma
PMT21-01920	Issued	Sign - Permanent	Exterior Signs for The Ten Co	Precision Sign and Graphics	8/20/2021	480		HARLEY KNOX	BLV	5	Nicole	Prieto
PLN21-05181		Sign Review	NON ILLUMINATED SIGN - 480 HARLEY KNOX	PF JOHNS	8/12/2021	480		HARLEY KNOX	BLV	5		
PLN21-05090	Submitted	Medical Marijuana Dispensary	Adult Use Dispensary	PF Johns, LLC	5/3/2021	480		Harley Knox				
PMT20-01568	CofO Issued	Commercial New	480 Dispensary	FADED Creative Group	10/6/2020	480		HARLEY KNOX	BLV	5	Donna	Jimeno
PLN20-05139	Submitted	Medical Marijuana Dispensary	Site Modification 17-05155	PF Johns LLC	8/4/2020	480		Harley Knox	BLV			
PMT20-01043	Ready to Issue	Commercial Fire Permit	FIRE SPRINKLERS	MIKE L HUANTE JR	7/28/2020	480		HARLEY KNOX	BLV	1	MIKE	HUANTE
MC20-05102	Approved Closed	Marijuana Cultivation	MODIFICATION 480 Harley	Perris Grow LLC	6/2/2020	480		Harley Knox				
PLN18-05303		Temporary Use Permit	Cannabis Farmers Market		11/6/2018	480		Harley Knox			Dar	Vida
PMT18-01152	Finaled	Commercial Alteration	TENANT IMPROVEMENT		5/31/2018	480		HARLEY KNOX			DONNA	JIMENO
PLN18-05168	Approved Closed	Onsite Landscaping-Irrigation	Refurbished Landscaping MMD		5/31/2018	480		Harley Knox			Donna	Jimeno
PLN18-05147	Approved Closed	Medical Marijuana Dispensary	Cannabis Manufacturing UNIT 4	Go Perris, LLC	5/8/2018	480		Harley Knox				
PLN18-05144	Approved Closed	Medical Marijuana Dispensary	Cultivation UNIT 2	Perris Grow, LLC	5/7/2018	480		Harley Knox				
PLN18-05146	Approved Closed	Medical Marijuana Dispensary	Cultivation UNIT 3	Perris Grow, LLC	5/7/2018	480		Harley Knox				
PLN17-05155	Submitted	Medical Marijuana Dispensary	MMD 480 Harley Knox	PF Johns LLC	8/2/2017	480		Harley Knox				

CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

December 2, 2008

Richard Hargis
Riverside County Assessor, Mapping
4080 Lemon Street, 6th Floor
Riverside, CA 92501

Subject: Address Changes

Dear Mr. Hargis:

Certain addresses on Oleander Avenue have been renamed. The following lists all addresses that have been changed from Oleander Avenue to Harley Knox Boulevard.

STREET NAME CHANGE

From: Oleander Avenue			To: Harley Knox Boulevard			
Number	*Street Name*	*Zip*	*Number*	*Street Name*	*Zip*	*APN*
150	Oleander Ave. E.	92571	150	Harley Knox Blvd.	92571	302-100-002
480	Oleander Ave. W.	92571	480	Harley Knox Blvd.	92571	302-020-032
1090	Oleander Ave. W.	92571	1090	Harley Knox Blvd.	92571	294-220-013
1050	Oleander Ave. W.	92571	1050	Harley Knox Blvd.	92571	294-220-007
1033	Oleander Ave. W.	92571	1033	Harley Knox Blvd.	92571	314-153-009
1073	Oleander Ave. W.	92571	1073	Harley Knox Blvd.	92571	314-153-075
1093	Oleander Ave. W.	92571	1093	Harley Knox Blvd.	92571	314-153-078
1133	Oleander Ave. W.	92571	1133	Harley Knox Blvd.	92571	314-153-073
1153	Oleander Ave. W.	92571	1153	Harley Knox Blvd.	92571	314-153-079
1173	Oleander Ave. W.	92571	1173	Harley Knox Blvd.	92571	314-153-002
400	Oleander Ave. W.	92571	400	Harley Knox Blvd.	92571	
420	Oleander Ave. W.	92571	420	Harley Knox Blvd.	92571	302-090-047-9
440	Oleander Ave. W.	92571	440	Harley Knox Blvd.	92571	302-090-046-8
460	Oleander Ave. W.	92571	460	Harley Knox Blvd.	92571	302-090-045-7
555	Oleander Ave. W.	92571	555	Harley Knox Blvd.	92571	302-020-007
657	Oleander Ave. W.	92571	657	Harley Knox Blvd.	92571	302-020-006
1450	Oleander Ave. W.	92571	1450	Harley Knox Blvd.	92571	
1190	Oleander Ave. W.	92571	1190	Harley Knox Blvd.	92571	
495	Oleander Ave. W.	92571	495	Harley Knox Blvd.	92571	302-020-027-4

Please make the necessary changes to your records.

If you have any questions, please feel free to contact me at 951-956-2120 ext. 226.

Sincerely,

Michael A. Morales
Capital Improvements Project Manager

Enclosure: Property Address List

cc:

Property Owners	SCE
CR&R Disposal	EMWD
Recreation	The Gas Co.
Verizon	Police Department
Public Works	Fire Department
Finance/Water Dept.	Postmaster

CITY OF PERRIS
DEVELOPMENT SERVICES DEPARTMENT

CERTIFICATE OF OCCUPANCY

PERMIT NO. 13090132 TYPE OF CONSTRUCTION / OCCUPANCY M
ADDRESS: 480 Harley Knox Unit A & B, Perris CA 92571
LEGAL DESCRIPTION: Warehouse
OWNER'S NAME: Rendan Properties ADDRESS: 625 Fee Ana St, Plancentia CA 92870
BUSINESS NAME: Corix Water Products, 11020 W. Plank CT # 100, Wauwatosa WI 53226
TENANT NAME: Corox Water Products ADDRESS: 480 Harley KNox, Perris CA 92571

BUILDING OFFICIAL / FIRE MARSHAL 11/7/2013 *DATE*

DEVELOPMENT SERVICES DEPARTMENT
DEVELOPMENT REVIEW

Applicant: Brett Hudson

Business Name: Corix Water Products

Address: 480 Harley Knox Blvd.

PLANNING DIVISION

(Check appropriate responses affecting the proposed business license application)

1. Check below the appropriate box for required zoning permits:
   - ☐ Conditional Use Permit
   - ☐ Development Plan Review
   - ☐ Zone Change
   - ☒ Sign Permit
   - ☐ No zoning permit required
   - ☐ Home O... *...ll regulations and provisions of HOC, ... but not limited to no outside employe... e business.*

zoning: PVCC 4
use: wholesa...

2. Check the a... Land Use Designation:
   - ☒ Consist...
   - ☐ Not cor...

3. Check the a... ...ther agencies:
   - ☐ Riversi...
   - ☐ Riversi... ...mental Division
   - ☐ South C...
   - ☒ Other a...
   - ☐ Clearar...

Type UP Cup D TOMORROW

9/19/13
Date

Reviewed by

BUILDING DIVISION

- ☐ Site Investigation
- ☐ Plot Plan and Floor Plan
- ☐ Title 24
- ☐ Building Permit
- ☐ Occupancy Type/Group M

Fire Inspection Fee $47

Comment: _____

9/23/13
Date

Reviewed by

INVOICE INVOICE INVOICE INVOICE INVOICE INVOICE INVOICE INVOICE INVOICE

CITY OF PERRIS, CA

PERMIT INVOICE OPERATOR: VArana

Sec: Twp: Rng: Sub: Blk: Lot:
APN NO. .....: 302020032

INVOICE DATE.....: 09/26/2013
REFERENCE ID # ...: 13090132

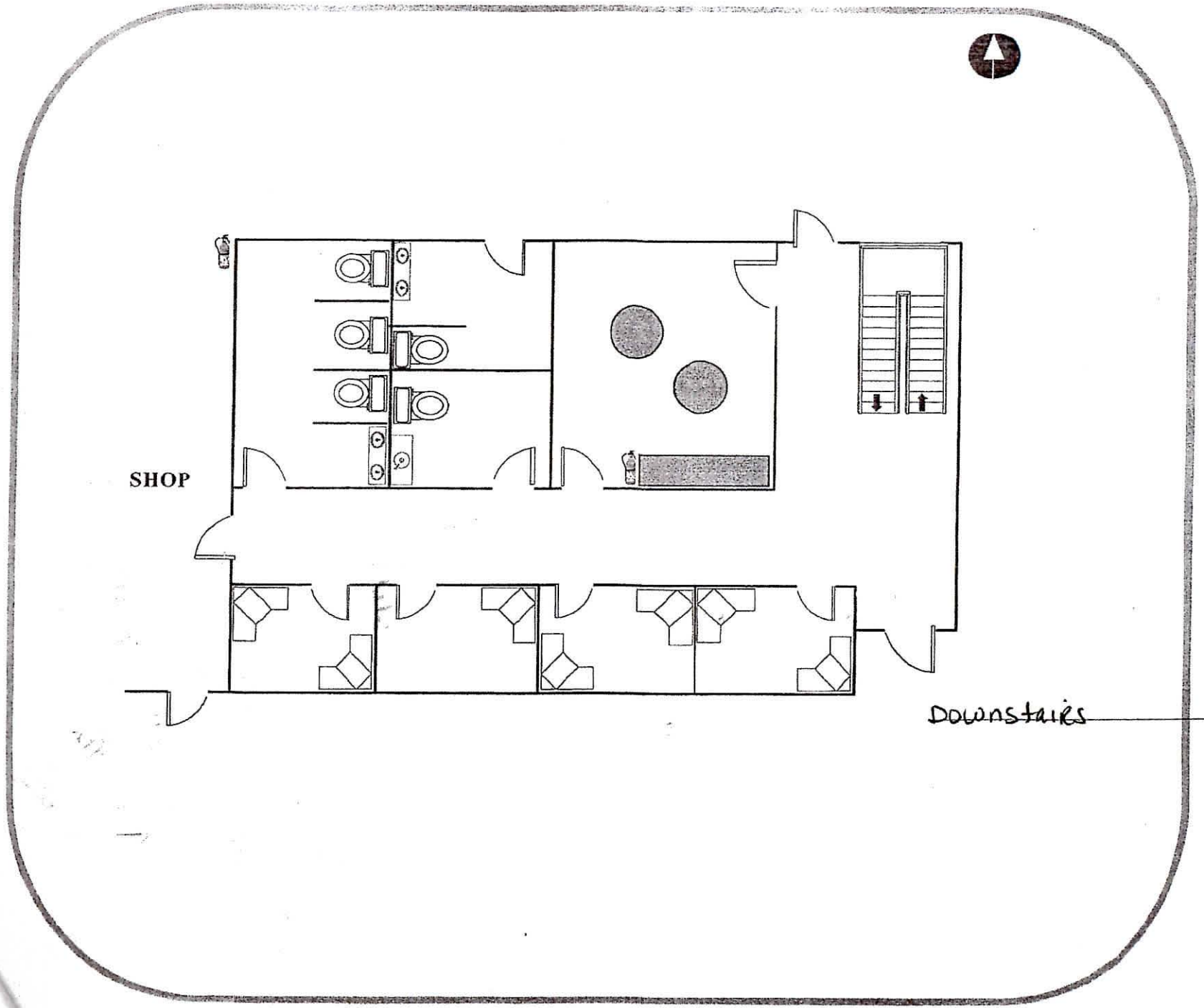
SITE ADDRESS .....: 480 W HARLEY KNOX BLVD
SUBDIVISION .....:
CITY .....: PERRIS
IMPACT AREA .....:

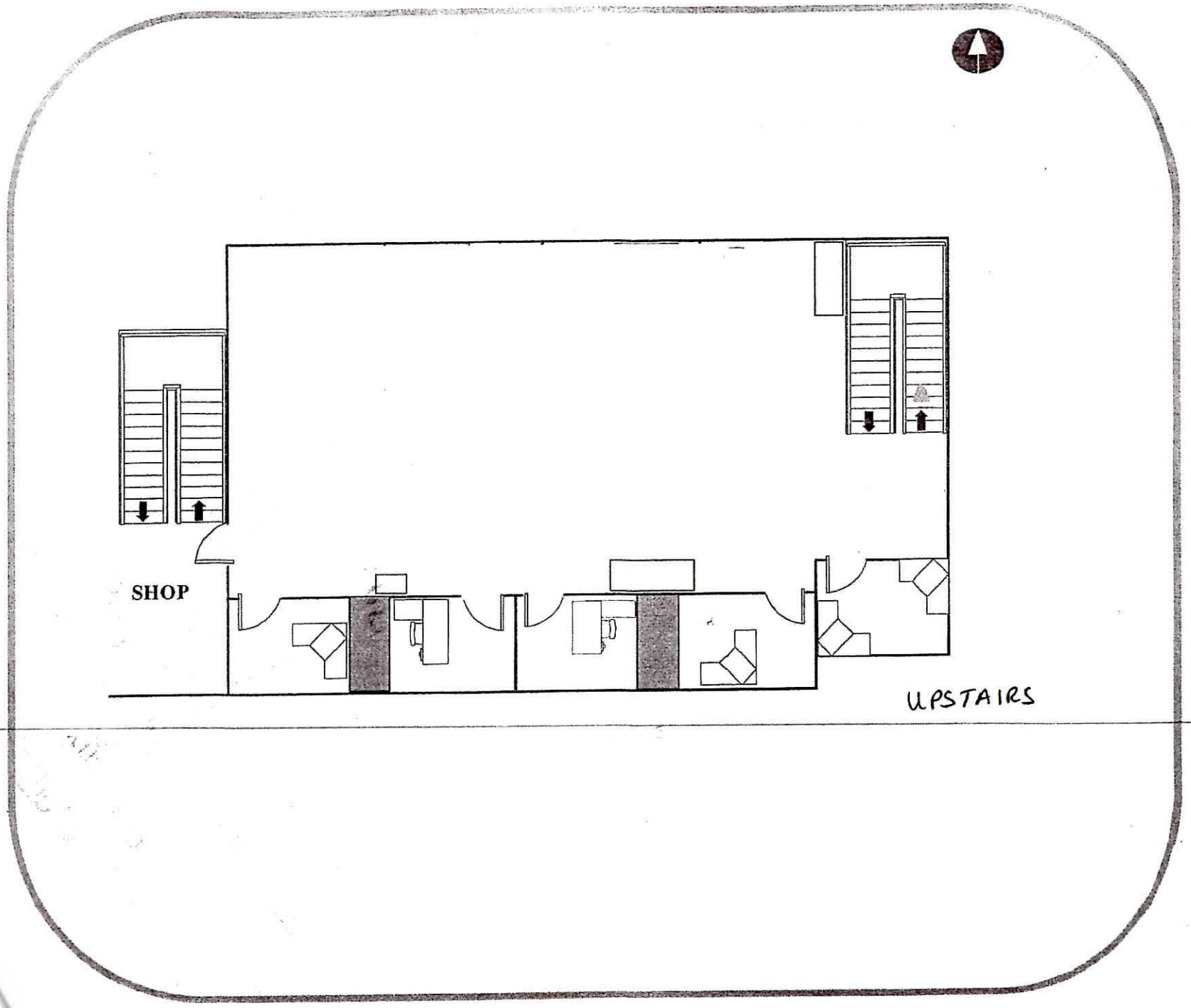
OWNER .....: RENDAN PROPERTIES
ADDRESS .....: 625 FEE ANA ST
CITY/STATE/ZIP ...: PLACENTIA, CA 92570

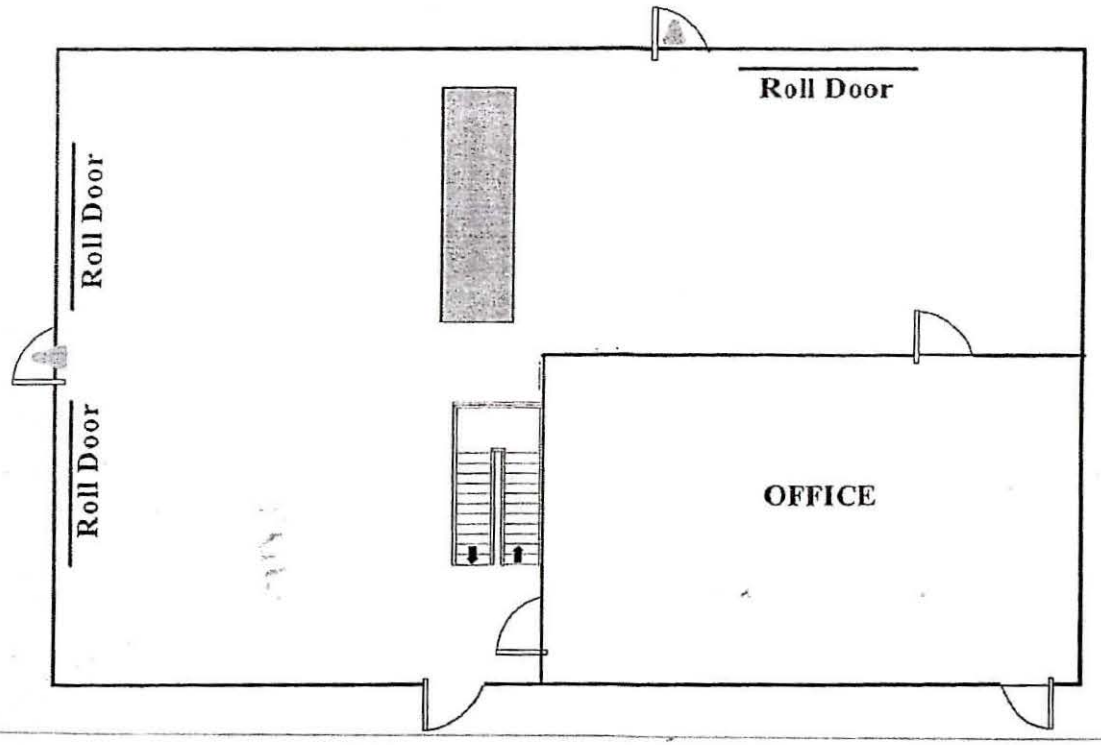
CONTRACTOR .....: CORIX WATER PRODUCTS LIC # CN00089
COMPANY .....: CORIX WATER PRODUCTS
ADDRESS .....: 11020 W PLANK CT #100
CITY/STATE/ZIP ...: WAUWATOSA, WI 53226
TELEPHONE .....: (951) 485-7050

FEE DESCRIPTION	DUE FOR	AMOUNT DUE	PAID	BALANCE
BUILDING PERMIT FEES		0.00	0.00	0.00
DATA PROCESSING		8.45	0.00	8.45
ADDITIONAL INSP HRS		0.00	0.00	0.00
C/O INSPECTION		77.10	0.00	77.10
UTILITY INSPECTION		0.00	0.00	0.00
SB 1473 VALUE STATE		0.90	0.00	0.90
SB 1473 VALUE CITY		0.10	0.00	0.10
		86.55	0.00	86.55

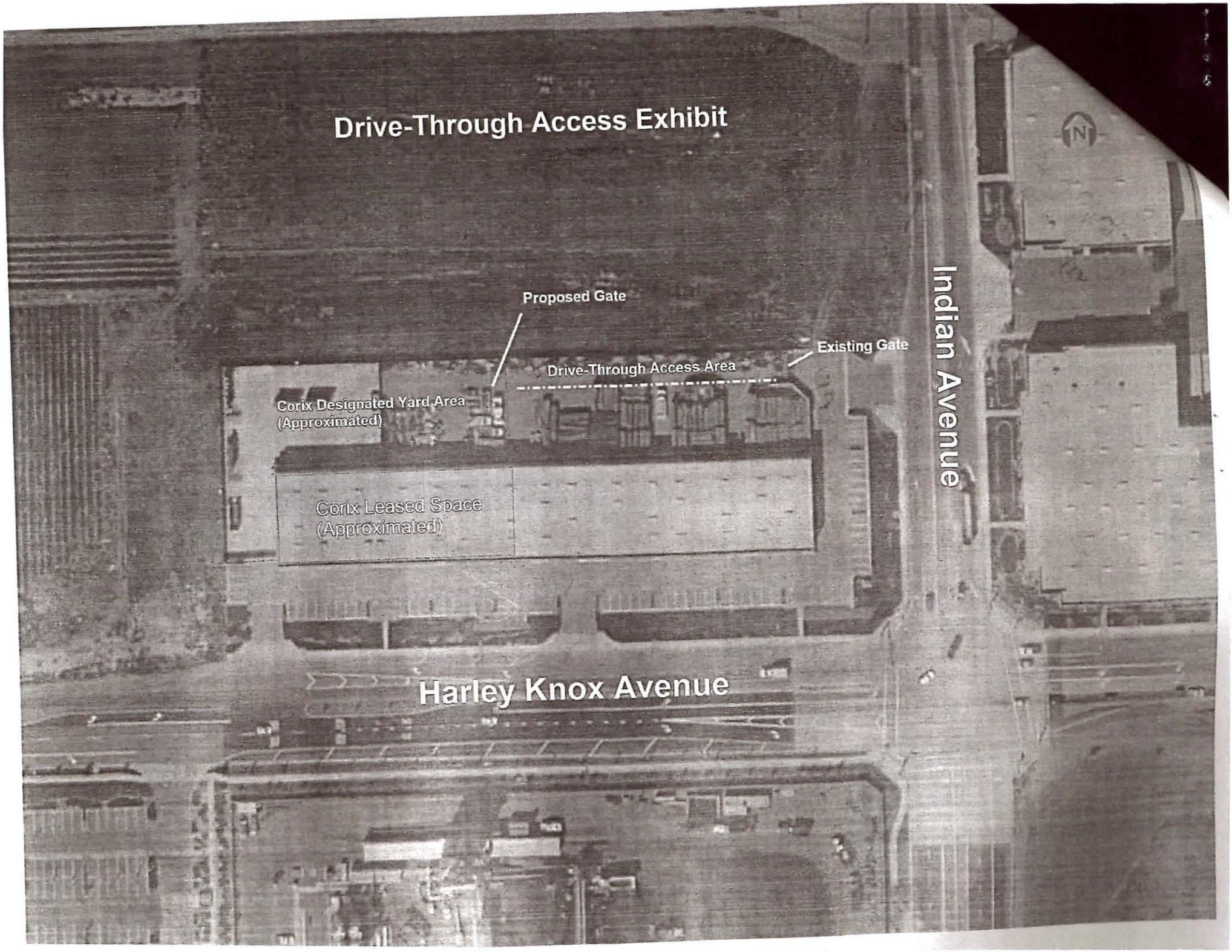
07 RC092613 09/26/2013 4 E1 86.55
CHECK NUMBER #cc 1009
RECEIPT NUMBER #0700000002826


SHOP
DOWNSTAIRS


SHOP
UPSTAIRS



Shop / warehouse


Drive-Through Access Exhibit
Proposed Gate
Existing Gate
Drive-Through Access Area
Corix Designated Yard Area
(Approximated)
Corix Leased Space
(Approximated)
Indian Avenue
Harley Knox Avenue
N

CITY OF PERRIS INSPECTION REQUEST

Date: 10/3 Contact Person: Mike 951-485-7050

Address: Coix Water Products Permit No:

Nearest Cross Street: 480 Harley Knox

- ☐ Investigate - Gas/Elect./Struct.
- ☐ Business License
- ☐ Temp. Pole
- ☐ Found. & Rein. Steel
- ☐ Plumbing - Ground/Sub-floor
- ☐ Slab Grade/Floor Joists
- ☐ Siding/Shear Nailing/HD's
- ☐ Roof Nailing
- ☐ RoughWiring/Plumbing
- ☐ Rough Heating & Vents
- ☐ Framing
- ☐ Combination
- ☐ Insulation
- ☐ Drywall Nailing/Lath
- ☑ Final - Gas/Elect./Struct. 6-30 to 5pm
- ☐ Parking Pad
- ☐ Title 24/ADA
- ☐ Grading - Rough/Final
- ☐ Retaining Wall/Grout

Comments/Special Instructions: Occupancy Certings

Job Ready: Monday Tuesday Wednesday Thursday Friday

APPLICATION FOR A BUILDING PERMIT

DEVELOPMENT SERVICES DEPARTMENT
CITY OF PERRIS BUILDING DIVISION
135 N. 'D' STREET
PERRIS, CA 92570

00089

PERMIT NUMBER: (office use only)	DATE:
13090132	9-18-13

Site Address: 480 Harley Knox Blvd unit A/B	APN #:
Type of Work: BUSINESS OCCUPANCY WAREHOUSE	
( ) Sets of Plans ( ) Soils Report ( ) Title 24	( ) Structural Calculations
( ) Other (Please Specify):	Y / N Planning Approval Letter
Valuation:	Square Footage Size: 18,330
Building Owner: Rendan Properties	Phone Number: (714) 223-5629
Address: 625 Fee Ana St	
City: Placentia State CA	Zip: 92870
Applicant: Corix Water Products	Phone Number: 951-485-7050
Address: 11020 W Plank Ct. #100	
City: Wauwatosa State WI	Zip: 53226
~~Contractor:~~	Phone Number:
Address:	
City: State	Zip:
State Lic #: Expiration Date:	City Lic. #:

DEVELOPMENT SERVICES DI[illegible]TMENT
DEVELOPMENT REV[illegible]

Applicant: [illegible] Brett Hudson

Business Name: Corix Water Products

Address: 480 Harley Knox Blvd.

PLANNING DIVISION

(Check appropriate responses affecting the proposed business license application)

1. Check below the appropriate box for required zoning permits:
   - ☐ Conditional Use Permit
   - ☐ Development Plan Review
   - ☐ Zone Change
   - ☒ Sign Permit
   - ☐ No zoning permit required
   - ☐ Home Occupational Permit (HOC) – *shall adhere to all regulations and provisions of HOC, as stipulated in Section 19.02.140, including but not limited to no outside employees, restrictions on vehicles, and conduct of the business.*

zoning: PVCC 4
use: wholesale

2. Check the appropriate box for status of consistency with Land Use Designation:
   - ☒ Consistent with General Plan
   - ☐ Not consistent with General Plan

3. Check the appropriate box for required clearances from other agencies:
   - ☐ Riverside County Fire Department
   - ☐ Riverside County Public Health Department, Environmental Division
   - ☐ South Coast Air Quality Management District
   - ☒ Other agencies
   - ☐ Clearances not required

9/19/13
Date

Reviewed by

BUILDING DIVISION

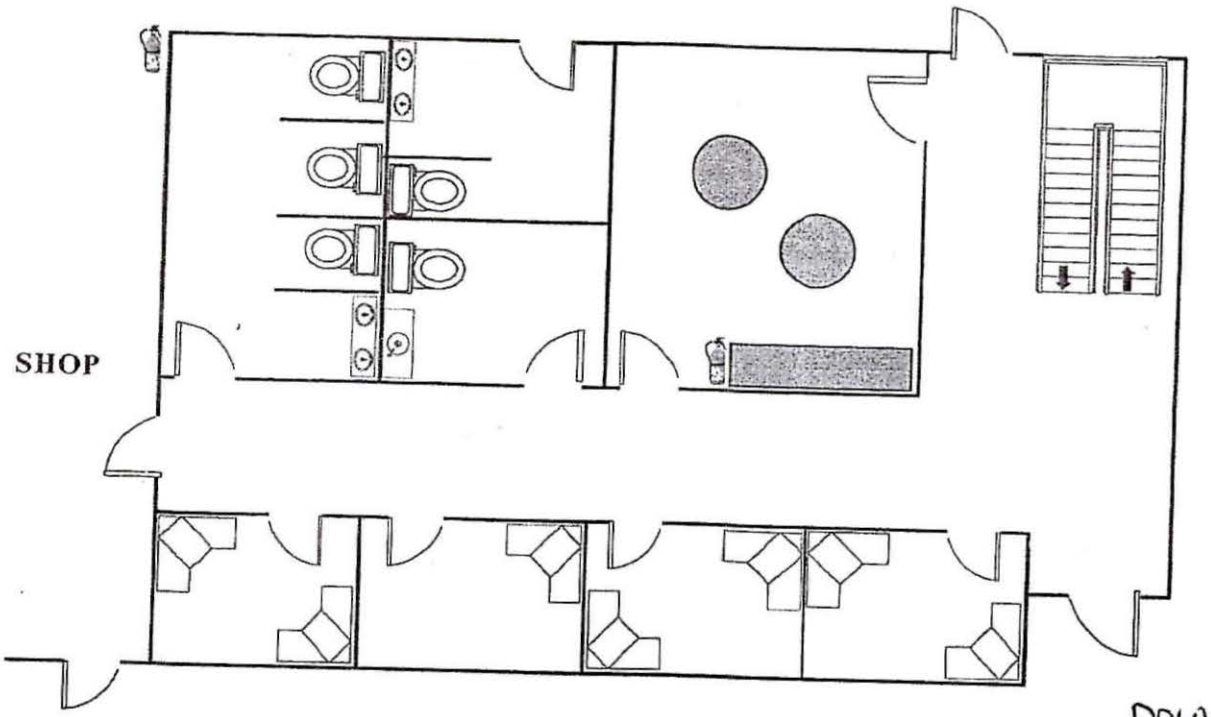
- ☐ Site Investigation
- ☐ Plot Plan and Floor Plan
- ☐ Title 24
- ☐ Building Permit
- ☐ Occupancy Type/Group M

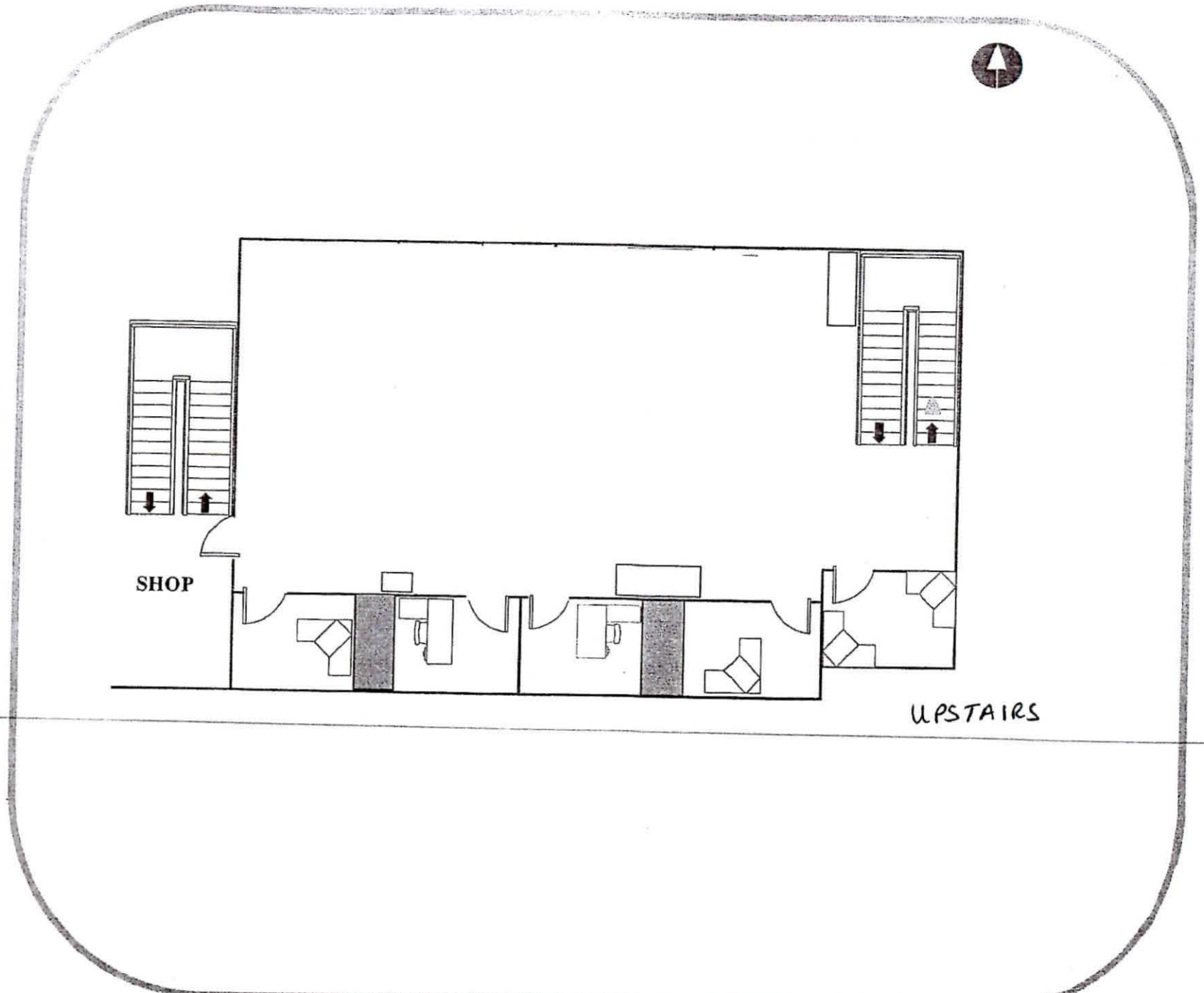
Fire Inspection Fee $47

Comment: _____

9/23/13
Date

Reviewed by


SHOP
Downstairs


SHOP
UPSTAIRS

BOE-230 (7-02)
GENERAL RESALE CERTIFICATE

STATE OF CALIFORNIA
BOARD OF EQUALIZATION

California Resale Certificate

I HEREBY CERTIFY:

1. I hold valid seller's permit number: SRYGH100942095

2. I am engaged in the business of selling the following type of tangible personal property:

   WATER WORKS MATERIALS: PIPE, FITTINGS AND APPURTENANCES

3. This certificate is for the purchase from _____ of the item(s) I have listed in paragraph 5 below.
   [Vendor's name]

4. I will resell the item(s) listed in paragraph 5, which I am purchasing under this resale certificate in the form of tangible personal property in the regular course of my business operations, and I will do so prior to making any use of the item(s) other than demonstration and display while holding the item(s) for sale in the regular course of my business. I understand that if I use the item(s) purchased under this certificate in any manner other than as just described, I will owe use tax based on each item's purchase price or as otherwise provided by law.

5. Description of property to be purchased for resale:

   WATER WORKS MATERIALS: PIPE, FITTINGS AND APPURTENANCES

6. I have read and understand the following:

   For Your Information: A person may be guilty of a misdemeanor under Revenue and Taxation Code section 6094.5 if the purchaser knows at the time of purchase that he or she will not resell the purchased item prior to any use (other than retention, demonstration, or display while holding it for resale) and he or she furnishes a resale certificate to avoid payment to the seller of an amount as tax. Additionally, a person misusing a resale certificate for personal gain or to evade the payment of tax is liable, for each purchase, for the tax that would have been due, plus a penalty of 10 percent of the tax or $500, whichever is more.

NAME OF PURCHASER	
CORIX WATER PRODUCTS US INC.	
SIGNATURE OF PURCHASER, PURCHASER'S EMPLOYEE OR AUTHORIZED REPRESENTATIVE	
PRINTED NAME OF PERSON SIGNING ELIZABETH SCHWARTZ	TITLE ACCOUNTING MANAGER
ADDRESS OF PURCHASER 1359 DAYTON STREET SALINAS CA 93901	
TELEPHONE NUMBER (414) 203-8700	DATE

Delaware

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF INCORPORATION OF "CORIX WATER PRODUCTS (US) INC.", FILED IN THIS OFFICE ON THE THIRTEENTH DAY OF JUNE, A.D. 2007, AT 9:49 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

4370692 8100

070707225

SECRETARY'S OFFICE 1793 DELAWARE 1855

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 5758212

DATE: 06-14-07

State of Delaware
Secretary of State
Division of Corporations
Delivered 10:13 PM 06/13/2007
FILED 09:49 PM 06/13/2007
SRV 070707225 - 4370692 FILE

CERTIFICATE OF INCORPORATION
OF
CORIX WATER PRODUCTS (US) INC.

To form a corporation pursuant to the General Corporation Law of the State of Delaware (the "General Corporation Law"), the undersigned hereby certifies as follows:

1. Name. The name of the corporation is Corix Water Products (US) Inc.

2. Registered Office and Registered Agent. The address of the registered office of the corporation in Delaware is The Corporation Trust Company, Corporation Trust Center, 1209 Orange Street, Wilmington, DE 19801, County of New Castle, and the name of its registered agent at that address is The Corporation Trust Company.

3. Purposes. The purpose of the corporation is to engage in any lawful act or activity for which corporations may be organized under the General Corporation Law.

4. Capital Stock. The total number of shares of stock that the corporation is authorized to issue is 100,000 shares, par value $.01 per share, all of which shares are designated as common stock.

5. Bylaws. The board of directors of the corporation is expressly authorized to adopt, amend or repeal bylaws of the corporation.

6. Limitation of Directors' Liability; Indemnification. The personal liability of a director of the corporation to the corporation or its stockholders for monetary damages for breach of fiduciary duty as a director shall be eliminated to the fullest extent permitted by law. The corporation is authorized to indemnify (and advance expenses to) its directors and officers to the fullest extent permitted by law. Neither the amendment, modification or repeal of this Article nor the adoption of any provision in this certificate of incorporation inconsistent with this Article shall adversely affect any right or protection of a director or officer of the corporation with respect to any act or omission that occurred prior to the time of such amendment, modification, repeal or adoption.

7. Elections of Directors. Elections of directors need not be by written ballot unless the bylaws of the corporation shall so provide.

8. Incorporator. The name and mailing address of the incorporator are Doris E. Lohnes, Dorsey & Whitney LLP, 1420 Fifth Avenue, Suite 3400, Seattle, WA 98101.

9. Initial Board of Directors. The members of the initial board of directors of the corporation are:

Name	Address
Brett Hodson	1160, 1188 West Georgia Street, Vancouver, BC V6E 4A2 Canada
Hamish Cumming	1160, 1188 West Georgia Street, Vancouver, BC V6E 4A2 Canada
Albert Low	1160, 1188 West Georgia Street, Vancouver, BC V6E 4A2 Canada

Dated: June 13, 2007

Doris E. Lohnes, Incorporator

BOE-230 (7-02)
GENERAL RESALE CERTIFICATE

STATE OF CALIFORNIA
BOARD OF EQUALIZATION

California Resale Certificate

I HEREBY CERTIFY:

1. I hold valid seller's permit number: SRYGH100942095

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   WATER WORKS MATERIALS: PIPE, FITTINGS AND APPURTENANCES

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   [Vendor's name]

4. I will resell the item(s) listed in paragraph 5, which I am purchasing under this resale certificate in the form of tangible personal property in the regular course of my business operations, and I will do so prior to making any use of the item(s) other than demonstration and display while holding the item(s) for sale in the regular course of my business. I understand that if I use the item(s) purchased under this certificate in any manner other than as just described, I will owe use tax based on each item's purchase price or as otherwise provided by law.

5. Description of property to be purchased for resale:

   WATER WORKS MATERIALS: PIPE, FITTINGS AND APPURTENANCES

6. I have read and understand the following:

   For Your Information: A person may be guilty of a misdemeanor under Revenue and Taxation Code section 6094.5 if the purchaser knows at the time of purchase that he or she will not resell the purchased item prior to any use (other than retention, demonstration, or display while holding it for resale) and he or she furnishes a resale certificate to avoid payment to the seller of an amount as tax. Additionally, a person misusing a resale certificate for personal gain or to evade the payment of tax is liable, for each purchase, for the tax that would have been due, plus a penalty of 10 percent of the tax or $500, whichever is more.

NAME OF PURCHASER CORIX WATER PRODUCTS US INC.	
SIGNATURE OF PURCHASER, PURCHASER'S EMPLOYEE OR AUTHORIZED REPRESENTATIVE	
PRINTED NAME OF PERSON SIGNING ELIZABETH SCHWARTZ	TITLE ACCOUNTING MANAGER
ADDRESS OF PURCHASER 1359 DAYTON STREET SALINAS CA 93901	
TELEPHONE NUMBER (414) 203-8700	DATE

AIR COMMERCIAL REAL ESTATE ASSOCIATION
STANDARD INDUSTRIAL/COMMERCIAL MULTI-TENANT LEASE - GROSS

1. **Basic Provisions ("Basic Provisions").**

1.1 **Parties:** This Lease ("Lease"), dated for reference purposes only August 23, 2013, is made by and between Rendan Properties ("Lessor") and Corix Water Products (US) Inc. ("Lessee"), (collectively the "Parties", or individually a "Party").

1.2(a) **Premises:** That certain portion of the Project (as defined below), including all improvements therein or to be provided by Lessor under the terms of this Lease, commonly known by the street address of 480 Harley Knox Boulevard, Units A and B, located in the City of Perris, County of Riverside, State of California, with zip code 92571, as outlined on Exhibit _____ attached hereto ("Premises") and generally described as (describe briefly the nature of the Premises): an approximately 18,330 square foot industrial building, part of a larger 42,601 square foot multi-tenant industrial complex

In addition to Lessee's rights to use and occupy the Premises as hereinafter specified, Lessee shall have non-exclusive rights to any utility raceways of the building containing the Premises ("Building")and to the Common Areas (as defined in Paragraph 2.7 below), but shall not have any rights to the roof, or exterior walls of the Building or to any other buildings in the Project. The Premises, the Building, the Common Areas, the land upon which they are located, along with all other buildings and improvements thereon, are herein collectively referred to as the "Project." (See also Paragraph 2)

1.2(b) **Parking:** Twenty-five (25) unreserved vehicle parking spaces. (See also Paragraph 2.6)

1.3 **Term:** Three (3) years and -0- months ("Original Term") commencing September 15, 2013 ("Commencement Date") and ending September 14, 2016 ("Expiration Date"). (See also Paragraph 3)

1.4 **Early Possession:** If the Premises are available Lessee may have non-exclusive possession of the Premises commencing immediately upon execution of this Lease with payment of security deposit, payment of first month's rent, and proof of insurance. Lessor shall have 15 days after early possession to remove Lessor□s personal property from the Premises ("Early Possession Date"). (See also Paragraphs 3.2 and 3.3)

1.5 **Base Rent:** $ 8,500.00 per month ("Base Rent"), payable on the fifteenth (15th) day of each month commencing September 15, 2013. (See also Paragraph 4)

☑ If this box is checked, there are provisions in this Lease for the Base Rent to be adjusted. See Paragraph 50

~~1.6 Lessee's Share of Common Area Operating Expenses: _____ percent (_____%) ("Lessee's Share"). In the event that the size of the Premises and/or the Project are modified during the term of this Lease, Lessor shall recalculate Lessee's Share to reflect such modification.~~

1.7 **Base Rent and Other Monies Paid Upon Execution:**

(a) **Base Rent:** $ 8,500.00 for the period September 15, 2013 - October 14, 2013.

(b) ~~**Common Area Operating Expenses:** $ _____ for the period _____~~.

(c) **Security Deposit:** $ 8,500.00 ("Security Deposit"). (See also Paragraph 5)

(d) ~~**Other:** $ _____ for _____~~.

(e) **Total Due Upon Execution of this Lease:** $ 17,000.00.

1.8 **Agreed Use:** Warehousing, distribution and sale of utility water infrastructure products and other legal uses and activities associated with the Lessee's business. (See also Paragraph 6)

1.9 **Insuring Party.** Lessor is the "Insuring Party". (See also Paragraph 8)

1.10 **Real Estate Brokers:** (See also Paragraph 15 and 25)

(a) **Representation:** The following real estate brokers (the "Brokers") and brokerage relationships exist in this transaction (check applicable boxes):

☑ CBRE represents Lessor exclusively ("Lessor's Broker");

☑ NAI Capital, Inc. represents Lessee exclusively ("Lessee's Broker"); or

☐ _____ represents both Lessor and Lessee ("Dual Agency").

(b) **Payment to Brokers:** Upon execution and delivery of this Lease by both Parties, Lessor shall pay to the Brokers for the brokerage services rendered by the Brokers the fee agreed to in the attached separate written agreement or if no such agreement is attached, the sum of _____ or 5 % of the total Base Rent payable for the Original Term; ~~the sum of _____ or _____ of the total Base Rent payable during any period of time that the Lessee occupies the Premises subsequent to the Original Term, and/or the sum of _____ or _____% of the purchase price in the event that the Lessee or anyone affiliated with Lessee acquires from Lessor any rights to the Premises.~~

1.11 **Guarantor.** The obligations of the Lessee under this Lease are to be guaranteed by _____

INITIALS _____ INITIALS _____

©1998 - AIR COMMERCIAL REAL ESTATE ASSOCIATION

CITY OF PERRIS

RECVD BY: 0700000028X6

PAYOR: MIKE FAREKIAN

TODAY'S DATE: 09/26/13

REGISTER DATE: 09/26/13 TIME: 15:22

DESCRIPTION	AMOUNT
CUST ID:14184 10489 LICENSE	$83.34
CUST ID:14185 10499 LICENSE	$47.00
CUST ID:14134 10488 LICENSE	$1.00
CUST ID:13090132 DBE	$8.45
CUST ID:13090132 INSP C/O	$77.10
CUST ID:13090132 SB 1473	$.90
CUST ID:13090132 SBC 1473	$.10
TOTAL DUE:	$217.89
CREDIT PAID:	$217.89
CARD NO: cc 1009	
TENDERED:	$217.89
CHANGE:	$.00

431247595884

CITY OF PERRIS
101 NORTH D STREET
PERRIS, CA 92560
951-943-4610

TERMINAL I.D.:
75958842

VISA
XXXXXXXXXXXX1009
SALE
BATCH: 000767 INV: 1
DATE: SEP 26, 13 TIME: 14:00:02
AUTH NO: 01450S

TOTAL C
$217.89

MIKE FAREKIAN

X_____
I AGREE TO PAY ABOVE TOTAL AMOUNT
ACCORDING TO CARD ISSUER AGREEMENT
(MERCHANT AGREEMENT IF CREDIT VOUCHER)

CUSTOMER COPY

No. 26954

City of Perris

135 NORTH "D" STREET, PERRIS, CALIFORNIA 92570-1998 • (951) 443-1029 • FAX (951) 943-3293

ISSUE DATE: 12/18/2013
EXPIRES: 06/18/2014

PERMIT TYPE: SIGN PERMIT
PERMIT #: **13110069**

JOB ADDRESS: 480 W HARLEY KNOX BLVD
PARCEL NUMBER: 302020032

ACREAGE:

APPLICANT: SEVER SIGNS
523 EL REY CR
PERRIS CA 92571

OWNER: RENDAN PROPERTIES
625 FEE ANA ST
PLACENTIA, CA 92570

CONTRACTOR: SEVER SIGNS
523 EL REY CR
PERRIS, CA 92571
(951) 943-0807

DESCRIPTION: 2 80 SQ FT CHANNEL LETTER SIGNS
(NON-ILLUMINATED)

VALUATION:

* NO CALC ENTRIES *

FINALED
1/21/14
BY

FEE SUMMARY:

BUILDING	106.75	106.75	0.00
DPF	8.45	8.45	0.00
P/C	47.00	47.00	0.00
*** FEE TOTALS ***	162.20	162.20	0.00

This permit becomes null and void if work or construction is not commenced within 180 days, or of construction or work is suspended or abandoned for a period of 180 days at anytime after work is commenced. I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the rovisions of any other state or local law regulating construction or the performance of construction.

HEADQU

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California

Date 12/18/13 Applicant Signature

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to Workers' Compensation provisions of the Labor Code, you Must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ.C.).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the information contained herein is correct. I agree to comply with all City ordinances and State laws relating to building construction, and hereby authorized representatives of this City to enter upon the above-mentioned property for inspection purposes.

_____ _____
Signature of Applicant or Agent Date

☐ YES ☐ NO WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL TO OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS INFORMATION GUIDE?

☐ YES ☐ NO WILL THE INTENDED USE OF THE BUILDING BY THE APPLICANT OR FUTURE BUILDING OCCUPANT REQUIRE A PERMIT FOR CONSTRUCTION OR MODIFICATION FROM THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)? SEE PERMITTING CHECKLIST FOR GUIDELINES.

☐ YES ☐ NO WILL THE PROPOSED BUILDING OR MODIFIED FACILITY BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL

☐ YES ☐ NO I HAVE READ THE HAZARDOUS MATERIAL INFORMATION GUIDE AND THE SCAQMD PERMITTING CHECKLIST. I UNDERSTAND MY REQUIREMENTS UNDER THE STATE OF CALIFORNIA HEALTH AND SAFETY CODE, SECTION 25505, 25533, AND 25534 CONCERNING HAZARDOUS MATERIALS REPORTING.

PRINT NAME _____

OWNER OR
AUTHORIZED AGENT X _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm under penalty of perjury one of the following declarations:
☒ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
☐ I have will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are.

Carrier _____

Policy Number _____
(This section need not be completed if the permit is for one hundred dollars ($100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 12-18-13 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGE AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C-45 Lic. No. 830443 Date 12/18/13

Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code. Any city or Country which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more then five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code. The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, an exclusively contracting with licensed contractors to construct the project (Sec. 7044 Business and Professions Code. The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) license pursuant to the Contractors License Law).

☐ I am exempted Section _____ B.& P.C. for this reason _____

Date ___/___/___ Owner Signature _____

No. 26954

City of Perris

135 NORTH "D" STREET, PERRIS, CALIFORNIA 92570-1998 • (951) 443-1029 • FAX (951) 943-3293

This permit becomes null and void if work or construction is not commenced within 180 days, or of construction or work is suspended or abandoned for a period of 180 days at anytime after work is commenced. I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the rovisions of any other state or local law regulating construction or the performance of construction.

INSPECTION RECOR CARD

PLEASE READ Permit No: 13100069

CALL (951) 956-2117 FOR INSPECTIONS

INSPECTIONS SHALL BE CALLED 24 HOURS IN ADVANCE WHEN REQUESTING NEXT DAY INSPECTION

BUILDING INSPECTIONS	DATE	INSPECTOR'S INITIALS	REMARKS	BUILDING INSPECTIONS	DATE	INSPECTOR'S INITIALS
SETBACK				BOND BEAM/ STEEL 1-2-3		
FOOTINGS/STEEL				GROUT 1-2-3		
SLAB/DRIVEWAY				T-BAR CEILING		
ROOF/VENT				POOL/ALARM		
FRAMING/SHEAR				STEEL/ LOCATION		
INSULATION				PRE-GUNITE		
DRYWALL			Final sign	FENCE/ GATE		
LATH				FINAL	1/21/14	

ELECTRICAL INSPECTIONS	DATE	INSPECTOR'S INITIALS	REMARKS	ELECTRICAL INSPECTIONS	DATE	INSPECTOR'S INITIALS
GROUNDING				ROUGH WIRING		
UNDER GROUND			FINALED	POOL LIGHT/ ELECT		
ROUGH CONDUIT				GFI TEST/ BONDING		
METER RELEASE				ELECT SERVICE		
SMOKE ALARM			BY 1/21/14	FINAL		

PLUMPING INSPECTIONS	DATE	INSPECTOR'S INITIALS	REMARKS	MECHANICAL INSPECTIONS	DATE	INSPECTOR'S INITIALS
UNDERGROUND				PLENUMS/DUCTS		
ROUGH WORK				SHAFTS		
GAS TEST/PIPING				HOODS		
SEWER/SEPTIC				FIRE DAMPERS		
FINAL				FINAL		

MANUFACTURED HOMES

MANUFACTURED HOME INSPECTIONS	DATE	INSPECTOR'S INITIALS	REMARKS	MANUFACTURED HOME INSPECTIONS	DATE	INSPECTOR'S INITIALS
SETBACK				SEEPAGE PIT/ LEACH LINES		
EXCAVATION & FORMS/STEEL				SEWER		
PERMANENT FOUNDATION				YARD GAS LINE		
PIERS/ PIER FOOTING				ELECT SERV & GROUND		
PIER JACK SYSTEM				FLOOR/ROOF MATING		
WATER SERVICE				ELECT RING OUT		
SEPTIC TANK				FINAL		

THIS CARD SHALL BE MAINTAINED IN A CONSPICUOUS PLACE ON THE JOBSITE. PLEASE CALL FOR ALL INSPECTIONS. INSPECTIONS WILL BE CONDUCTED THE NEXT AVAILABLE WORK DAY. **NOTICE** - APPROVED BUILDING PLANS ARE REQUIRED ON THE JOBSITE AT THE TIME OF EACH AND EVERY INSPECTION. *NOTE: IF WORK IS NOT MARKED APPROVED, MAKE CORRECTIONS AS PER CORRECTION NOTICE AND RECALL INSPECTION BEFORE CONTINUING WORK. PERMIT EXPIRES BY LIMITATION 180 DAYS FROM DATE OF PERMIT IF CONSTRUCTION IS NOT STARTED.*

BUILDING DIVISION APPLICATION

CITY OF PERRIS BUILDING DIVISION
135 N. 'D' STREET
PERRIS, CA 92570

PERMIT NUMBER: (office use only)	DATE:
13110069	11-19-13

Site Address:	APN #:
480 HARLEY KNOT	
Type of Work: 2-SET OF DEMENSIONAL ALUMINUM LETTERS	

( ) Sets of Plans	( ) Soils Report	( ) Title 24	( ) Structural Calculations
( ) Other (Please Specify):			Y / N Planning Approval Letter

Valuation:	Square Footage Size:
$ 3,000	80 EA X(2)

Building Owner:	Phone Number:
DAN MARTIN	714-932-6604
Address: 625 FEE ANA ST	
City: PLACENTIA	State CA Zip: 92870

Applicant:	Phone Number:
SEVERSIGNS	951-333-8987
Address: 523 EL REY CIR	
City: PERRIS	State CA Zip: 92571

Contractor:	Phone Number:
Address: SAME AS ABOVE	
City:	State Zip:

State Lic #:	Expiration Date:	City Lic. #:

PROPERTY OWNER(S) AUTHORIZATION FORM

AUTHORIZATION FOR AGENT TO ACT ON BEHALF OF LEGAL PROPERTY OWNER

I/We, the owner(s) of the subject property, do hereby authorize Steven Smith to act in my/our behalf on matters pertaining to Sign ACE (Describe nature of request: i.e., Development Plan Review, Tract, Zone Change, Tract Map, Parcel Map, Conditional Use Permit, etc.)

Dated this 11th day of Nov., 20 13

Manager
Randan Properties LLC

Signature(s) of Legal Owner(s)

State of California)
County of Riverside)

On this 12 day of November, 20 13, before me a Notary Public, personally appeared Daniel Martin known to me to be the person(s) whose name(s) are(is) subscribed to the within instrument and acknowledged that he/she/they executed the same.

Witness my hand and Official Seal

Signature Heidi Weber
Name (printed) Heidi Weber

HEIDI WEBER
COMM. #1872598
Notary Public - California
Orange County
My Comm. Expires Dec. 5, 2013

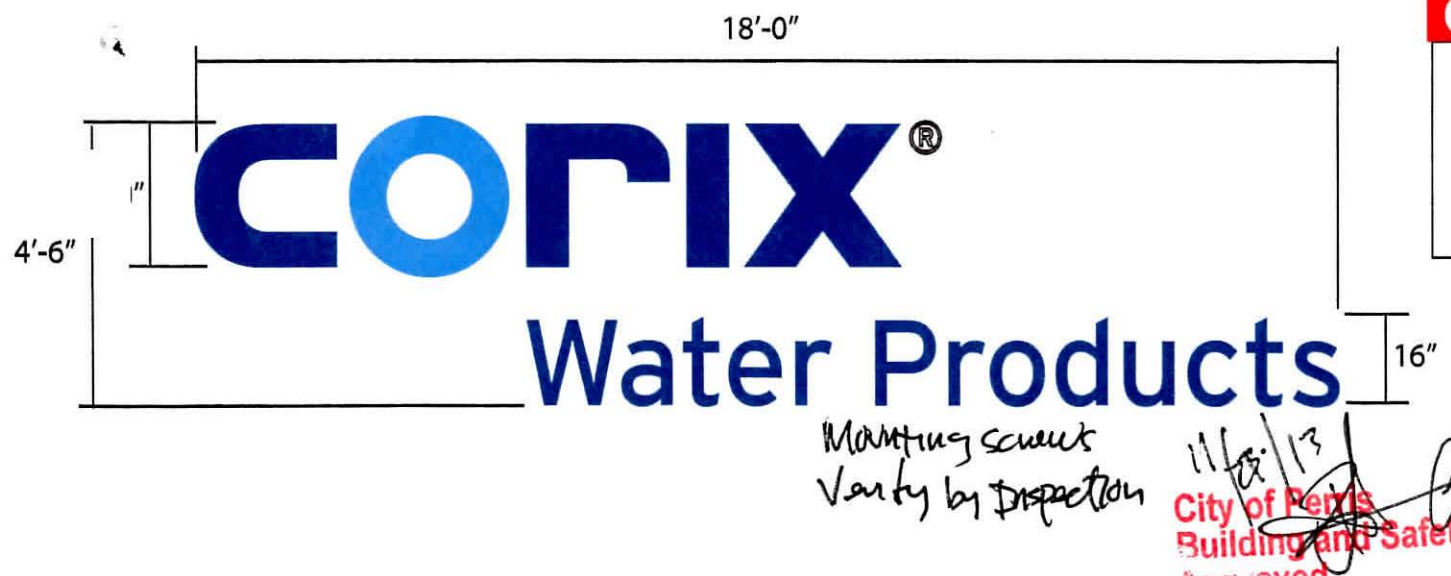
APN#
302020 0032



FRONT ELEVATION VIEW



SIDE ELEVATION VIEW



CONSTRUCTION DETAILS

CORIX LETTERS: ALUMINUM LETTERS, W/ 1-1/2" THICK RETURNS PAINTED TO MATCH.
WATER PRUDUCTS: .060 ALUMINUM, PEG MOUNTED OFF WALL 1" PAINTED BLACK

Mounting screws
Verify by Inspection

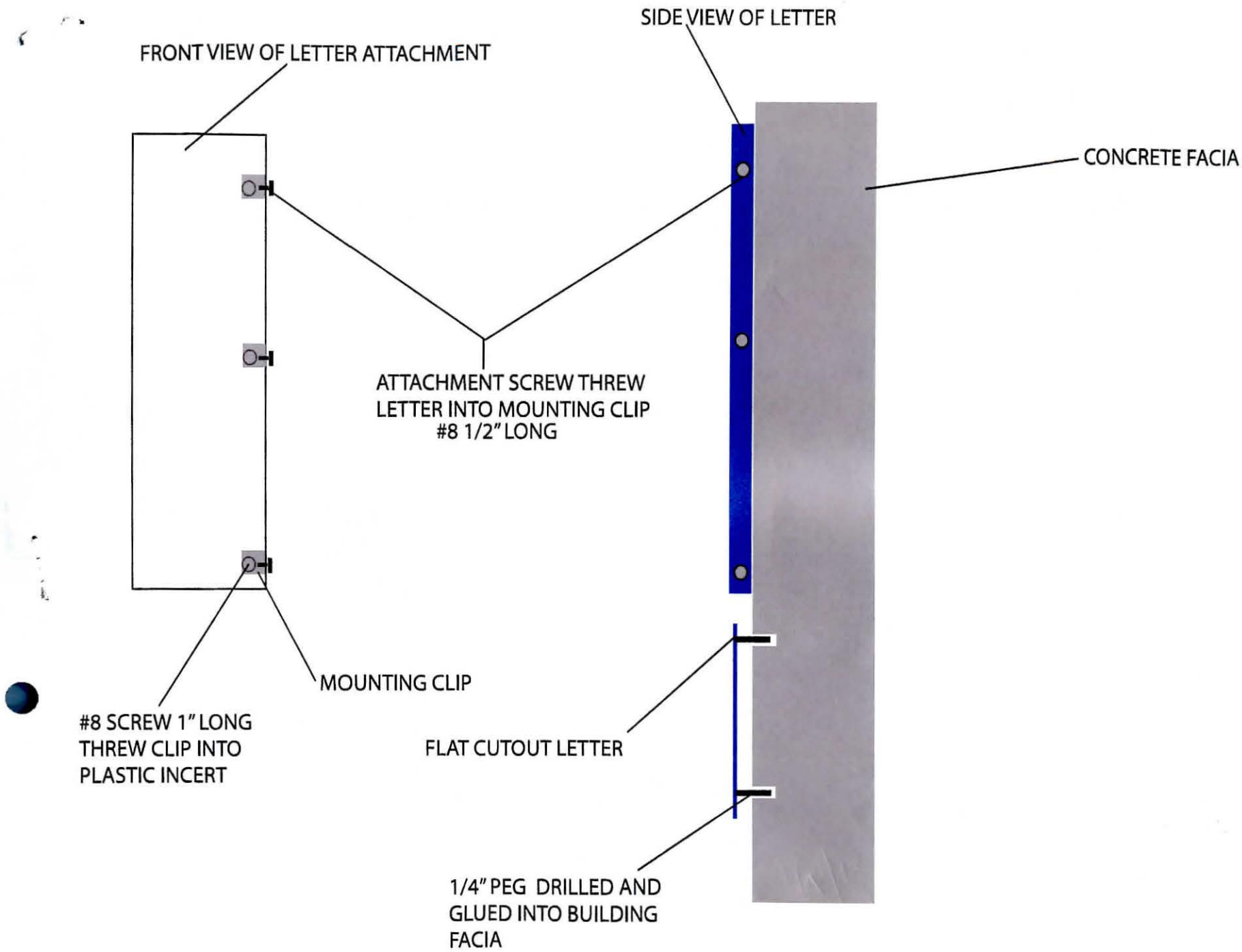
11/18/13

City of Perris
Building and Safety
Approved

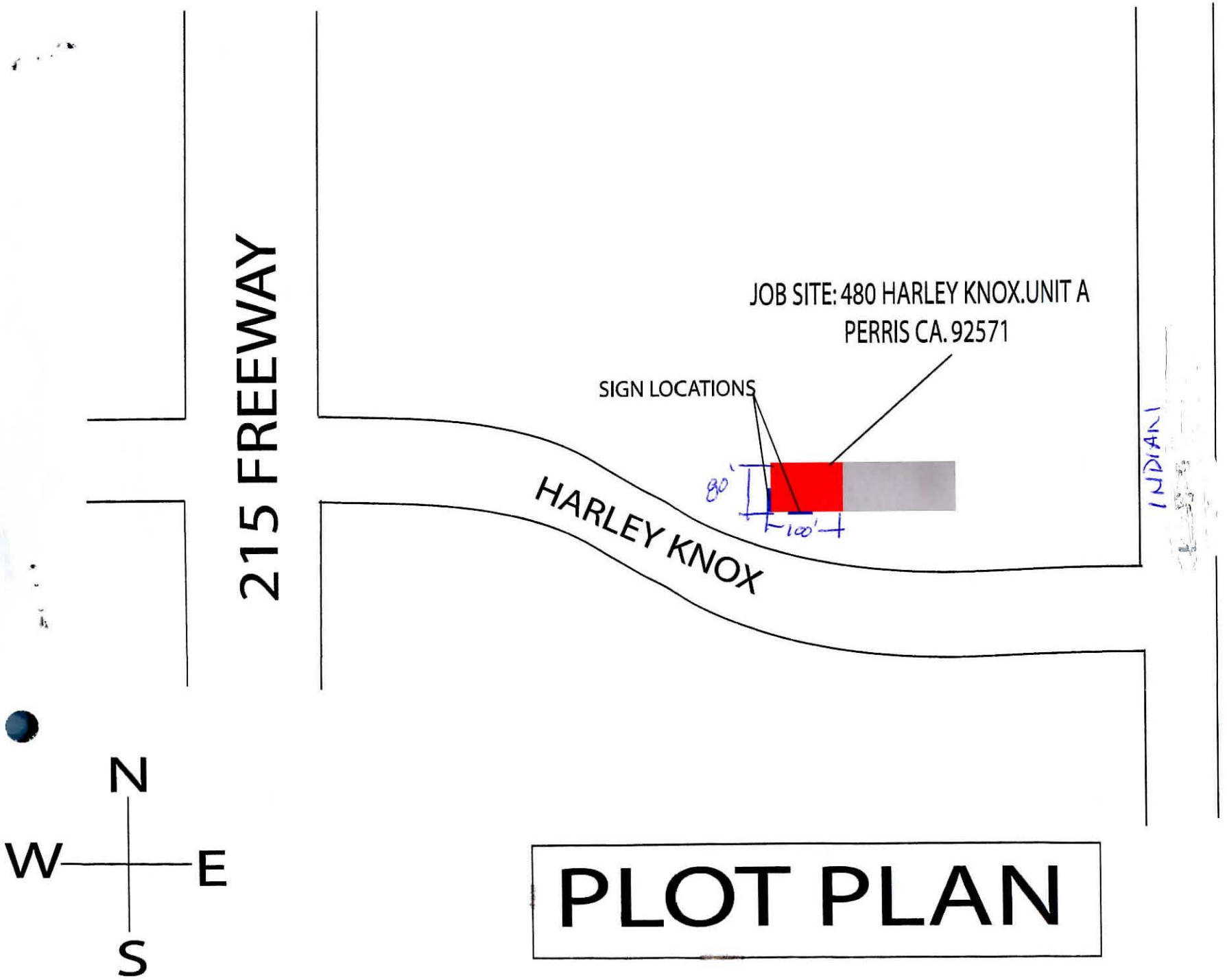
APPROVED
CITY OF PERRIS
PLANNING DIV.
BY 11-19-13

ST. CA. LIC.# 830443

CLIENT: CORIX WATER PRODUCTS	DATE:	DRAWN BY: DS	SEVERSIGNS
LOCATION: 480 HARLEY KNOX BLVD. PERRIS,CA.	FILE NAME:		951-943-0807



ATTACHMENT VIEW


215 FREEWAY
JOB SITE: 480 HARLEY KNOX.UNIT A
PERRIS CA. 92571
SIGN LOCATIONS
HARLEY KNOX
INDIAN
80'
100'
N
W
E
S

PLOT PLAN

City of Perris

No. 28023

135 NORTH "D" STREET, PERRIS, CALIFORNIA 92570-1998 • (951) 443-1029 • FAX (951) 943-3293

ISSUE DATE: 01/08/2014
EXPIRES: 08/28/2014

PERMIT TYPE: COMBINATION PERMIT
PERMIT #: 14010022

JOB ADDRESS: 480 W HARLEY KNOX BLVD
PARCEL NUMBER: 302020032

ACREAGE:

APPLICANT: UNITED INSTALLATION SERVICES
1190 HARLEY KNOX BLVD
PERRIS CA 92571

OWNER: RENDAN PROPERTIES
625 FEE ANA ST
PLACENTIA, CA 92570

CONTRACTOR: UNITED INSTALLATION SERVICES

1190 HARLEY KNOX BLVD
PERRIS, CA 92571
(714) 657-4900

DESCRIPTION: INSTALL STORAGE RACKS

VALUATION:

* NO CALC ENTRIES *

FINALED
3/27/14
BY

FEE SUMMARY:

BUILDING	359.75	359.75	0.00
DPF	8.45	8.45	0.00
P/C	217.91	217.91	0.00
SMIP	4.31	4.31	0.00
*** FEE TOTALS ***	590.42	590.42	0.00

This permit becomes null and void if work or construction is not commenced within 180 days, or of construction or work is suspended or abandoned for a period of 180 days at anytime after work is commenced. I hereby certify that I have read and examined this application and know the same to be true and correct. All provisions of laws and ordinances governing this type of work will be complied with whether specified herein or not. The granting of a permit does not presume to give authority to violate or cancel the rovisions of any other state or local law regulating construction or the performance of construction.

HEADQUARTERS

CERTIFICATE OF EXEMPTION FROM WORKER'S COMPENSATION INSURANCE

(This section need not be completed if the permit is for one hundred dollars ($100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Workers' Compensation Laws of California

Date ___/___/___ Applicant Signature

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to Workers' Compensation provisions of the Labor Code, you Must forthwith comply with such provisions or this permit shall be deemed revoked.

CONSTRUCTION LENDING AGENCY

I hereby affirm that there is a construction lending agency for the performance of the work for which this permit is issued (Sec. 3097, Civ.C.).

Lender's Name _____

Lender's Address _____

I certify that I have read this application and state that the information contained herein is correct. I agree to comply with all City ordinances and State laws relating to building construction, and hereby authorized representatives of this City to enter upon the above-mentioned property for inspection purposes.

_____ _____
Signature of Applicant or Agent Date

☐ YES ☐ NO WILL THE APPLICANT OR FUTURE BUILDING OCCUPANT HANDLE HAZARDOUS MATERIAL OR A MIXTURE CONTAINING A HAZARDOUS MATERIAL EQUAL TO OR GREATER THAN THE AMOUNTS SPECIFIED ON THE HAZARDOUS MATERIALS INFORMATION GUIDE?

☐ YES ☐ NO WILL THE INTENDED USE OF THE BUILDING BY THE APPLICANT OR FUTURE BUILDING OCCUPANT REQUIRE A PERMIT FOR CONSTRUCTION OR MODIFICATION FROM THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD)? SEE PERMITTING CHECKLIST FOR GUIDELINES.

PRINT NAME _____

☐ YES ☐ NO WILL THE PROPOSED BUILDING OR MODIFIED FACILITY BE WITHIN 1000 FEET OF THE OUTER BOUNDARY OF A SCHOOL

☐ YES ☐ NO I HAVE READ THE HAZARDOUS MATERIAL INFORMATION GUIDE AND THE SCAQMD PERMITTING CHECKLIST. I UNDERSTAND MY REQUIREMENTS UNDER THE STATE OF CALIFORNIA HEALTH AND SAFETY CODE, SECTION 25505, 25533, AND 25534 CONCERNING HAZARDOUS MATERIALS REPORTING.

OWNER OR
AUTHORIZED AGENT X _____

WORKERS' COMPENSATION DECLARATION

☐ I hereby affirm under penalty of perjury one of the following declarations:
☐ I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.
☐ I have will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued. My workers' compensation insurance carrier and policy number are.

Carrier STATE Fund.

Policy Number 1976 1YY - 2013

(This section need not be completed if the permit is for one hundred dollars ($100) or less)
I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

Date: 2/18/14 Applicant: _____

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES, AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS ($100,000), IN ADDITION TO THE COST OF COMPENSATION, DAMAGE AS PROVIDED FOR IN SECTION 3706 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

The Declarations below are mandated by the State of California under Section 19825 and Section 19826 of the Health and Safety Code.

LICENSED CONTRACTORS DECLARATION

I hereby affirm that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

License Class C61/D24 Lic. No. 933862 Date 2/18/14

Contractor Signature _____

OWNER-BUILDER DECLARATION

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code. Any city or Country which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he or she is licensed pursuant to the provisions of the Contractor's License Law (Chapter 9 commencing with Section 7000) of Division 3 of the Business and Professions Code) or that he or she is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more then five hundred dollars ($500):

☐ I, as owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044 Business and Professions Code. The Contractors License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or herself or through his or her own employees, provided that such improvements are not intended or offered for sale. If, however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he or she did not build or improve for the purpose of sale).

☐ I, as owner of the property, an exclusively contracting with licensed contractors to construct the project (Sec. 7044 Business and Professions Code. The Contractor's License Law does not apply to an owner of property who builds or improves thereon and who contracts for such projects with a contractor(s) license pursuant to the Contractors License Law).

☐ I am exempted Section _____ B.& P.C. for this reason _____

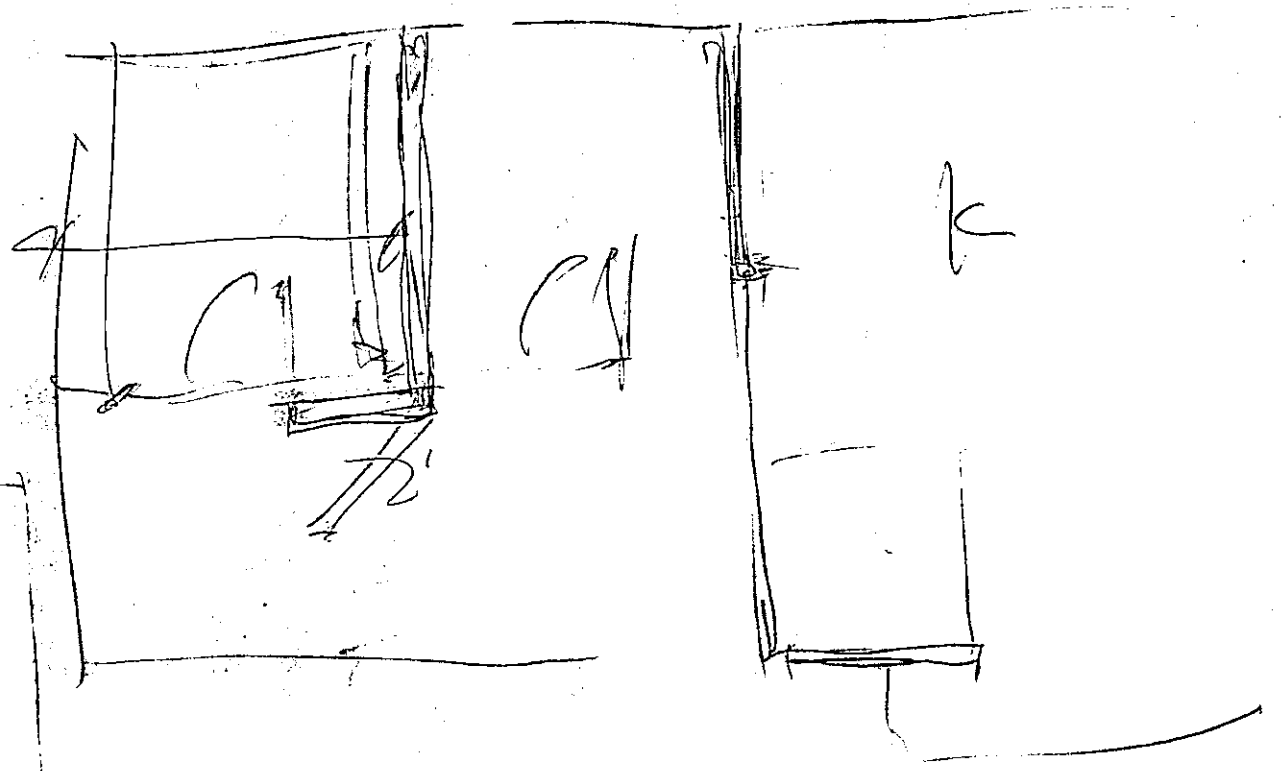
Date ___/___/___ Owner Signature _____

BUILDING DIVISION APPLICATION

CITY OF PERRIS BUILDING DIVISION
135 N. 'D' STREET
PERRIS, CA 92570

PERMIT NUMBER: (office use only)	DATE:
14 0100a2	1/8/14

Site Address: 480 Harley Knox Blv	APN #:
Type of Work: Storage Racks	
(3) Sets of Plans (2) Soils Report ( ) Title 24	(2) Structural Calculations
( ) Other (Please Specify):	Y / N Planning Approval Letter
Valuation: $ 20,500	Square Footage Size: 2,168
Building Owner: Corix	Phone Number:
Address: 480 Harley Knox Blv	
City: Perris State CA	Zip: 92571
Applicant: Lynn Bartlett	Phone Number: (951) 657-4900
Address: 1190 Harley Knox Blv	
City: Perris State CA	Zip: 92571
Contractor: United Installation Svcs Lynn Bartlett	Phone Number: (951) 657-4900
Address: 1190 Harley Knox Blvd.	
City: Perris State CA	Zip: 92571
State Lic #: 933862 Expiration Date: 6/30/2015	City Lic. #:



CITY OF PERRIS INSPECTION REQUEST

Date: 3/27 Contact Person: 951 757-8054

Address: Permit No: 13120057

Nearest Cross Street: 4331 Markham
Markham & Indian

- ☐ Investigate - Gas/Elect./Struct.
- ☐ Business License
- ☐ Temp. Pole
- ☐ Found. & Rein. Steel
- ☐ Plumbing - Ground/Sub-floor
- ☐ Slab Grade/Floor Joists
- ☐ Siding/Shear Nailing/HD's
- ☐ Roof Nailing
- ☐ RoughWiring/Plumbing
- ☐ Rough Heating & Vents
- ☐ Framing
- ☐ Combination
- ☐ Insulation
- ☐ Drywall Nailing/Lath
- ☐ Final - Gas/Elect./Struct.
- ☐ Parking Pad
- ☐ Title 24/ADA
- ☐ Grading - Rough/Final
- ☐ Retaining Wall/Grout

Comments/Special Instructions: Pedestal 2 meters

Job Ready: Monday Tuesday Wednesday (Thursday) Friday

Release 2
elec Meters
OK

CITY OF PERRIS

DEPARTMENT OF DEVELOPMENT SERVICES
Building And Safety Division
135 N. "D" ST. PERRIS, CA 92570-1998
OFFICE TEL (951) 943-5003
To Schedule Inspections (951) 956-2117

CORRECTION NOTICE

Building Permit # 14010022
Rack Install

ADDRESS: 480 W Harley Knox

MAKE THE FOLLOWING CORRECTIONS THEN CALL FOR RE-INSPECTION:

Deputy Inspector to sign in with City of Perris building department. Also must have a City of Perris business license.

Call for re-inspection

FINALED

BY 3/27/14

Date: 3/25/14 Building Inspector: RICH

Time: 3/25/14

Do not proceed to the next phase of construction until corrections have been verified by a building inspector.

INSPECTION RECORD CARD

PLEASE READ Permit No: 1401022

CALL (951) 956-2117 FOR INSPECTIONS

INSPECTIONS SHALL BE CALLED 24 HOURS IN ADVANCE WHEN REQUESTING NEXT DAY INSPECTION

BUILDING INSPECTIONS	DATE	INSPECTOR'S INITIALS	REMARKS	BUILDING INSPECTIONS	DATE	INSPECTOR'S INITIALS
SETBACK				BOND BEAM/ STEEL 1-2-3		
FOOTINGS/STEEL				GROUT 1-2-3		
SLAB/DRIVEWAY				T-BAR CEILING		
ROOF/VENT				POOL ALARM		
FRAMING/SHEAR			Verified Deputy	STEEL/ LOCATION		
INSULATION			Inspector reports	PRE-GUNITE		
DRYWALL				FENCE/ GATE		
LATH				FINAL	3/27/14 BB	

ELECTRICAL INSPECTIONS	DATE	INSPECTOR'S INITIALS	REMARKS	ELECTRICAL INSPECTIONS	DATE	INSPECTOR'S INITIALS
GROUNDING				ROUGH WIRING		
UNDER GROUND				POOL LIGHT/ ELECT		
ROUGH CONDUIT			FINALED	GFI TEST/ BONDING		
METER RELEASE				ELECT SERVICE		
SMOKE ALARM				FINAL		

BY 3/27/14

PLUMBING INSPECTIONS	DATE	INSPECTOR'S INITIALS	REMARKS	MECHANICAL INSPECTIONS	DATE	INSPECTOR'S INITIALS
UNDERGROUND				PLENUMS/DUCTS		
ROUGH WORK				SHAFTS		
GAS TEST/PIPING				HOODS		
SEWER/SEPTIC				FIRE DAMPERS		
FINAL				FINAL		

MANUFACTURED HOMES

MANUFACTURED HOME INSPECTIONS	DATE	INSPECTOR'S INITIALS	REMARKS	MANUFACTURED HOME INSPECTIONS	DATE	INSPECTOR'S INITIALS
SETBACK				SEEPAGE PIT/ LEACH LINES		
EXCAVATION & FORMS/STEEL				SEWER		
PERMANENT FOUNDATION				YARD GAS LINE		
PIERS/ PIER FOOTING				ELECT SERV & GROUND		
PIER JACK SYSTEM				FLOOR/ROOF MATING		
WATER SERVICE				ELECT RING OUT		
SEPTIC TANK				FINAL		

THIS CARD SHALL BE MAINTAINED IN A CONSPICUOUS PLACE ON THE JOBSITE. PLEASE CALL FOR ALL INSPECTIONS. INSPECTIONS WILL BE CONDUCTED THE NEXT AVAILABLE WORK DAY. **NOTICE** - APPROVED BUILDING PLANS ARE REQUIRED ON THE JOBSITE AT THE TIME OF EACH AND EVERY INSPECTION. *NOTE: IF WORK IS NOT MARKED APPROVED, MAKE CORRECTIONS AS PER CORRECTION NOTICE AND RECALL INSPECTION BEFORE CONTINUING WORK. PERMIT EXPIRES BY LIMITATION 180 DAYS FROM DATE OF PERMIT IF CONSTRUCTION IS NOT STARTED.*

APPENDIX D
HISTORICAL RESOURCES

480 Harley Knox Blvd, Perris, CA

480 Harley Knox Boulevard

Perris, CA 92571

Inquiry Number: 6789064.36

December 15, 2021

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

12/15/21

Site Name:

480 Harley Knox Blvd, Perris, C
480 Harley Knox Boulevard
Perris, CA 92571
EDR Inquiry # 6789064.36

Client Name:

Gabriel Environmental Group
P. O. Box 1161
Redlands, CA 92373
Contact: Hani Gabriel

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

Search Results:

Year	Scale	Details	Source
2016	1"=500'	Flight Year: 2016	USDA/NAIP
2012	1"=500'	Flight Year: 2012	USDA/NAIP
2009	1"=500'	Flight Year: 2009	USDA/NAIP
2006	1"=500'	Flight Year: 2006	USDA/NAIP
2002	1"=500'	Acquisition Date: January 01, 2002	USGS/DOQQ
1997	1"=500'	Acquisition Date: January 01, 1997	USGS/DOQQ
1990	1"=500'	Flight Date: September 06, 1990	USDA
1989	1"=500'	Flight Date: August 15, 1989	USDA
1985	1"=500'	Flight Date: July 28, 1985	USDA
1978	1"=500'	Flight Date: September 20, 1978	USDA
1967	1"=500'	Flight Date: May 15, 1967	USDA
1961	1"=500'	Flight Date: June 14, 1961	USDA
1953	1"=500'	Flight Date: August 28, 1953	USDA
1949	1"=500'	Flight Date: May 08, 1949	USDA
1938	1"=500'	Flight Date: June 14, 1938	USDA

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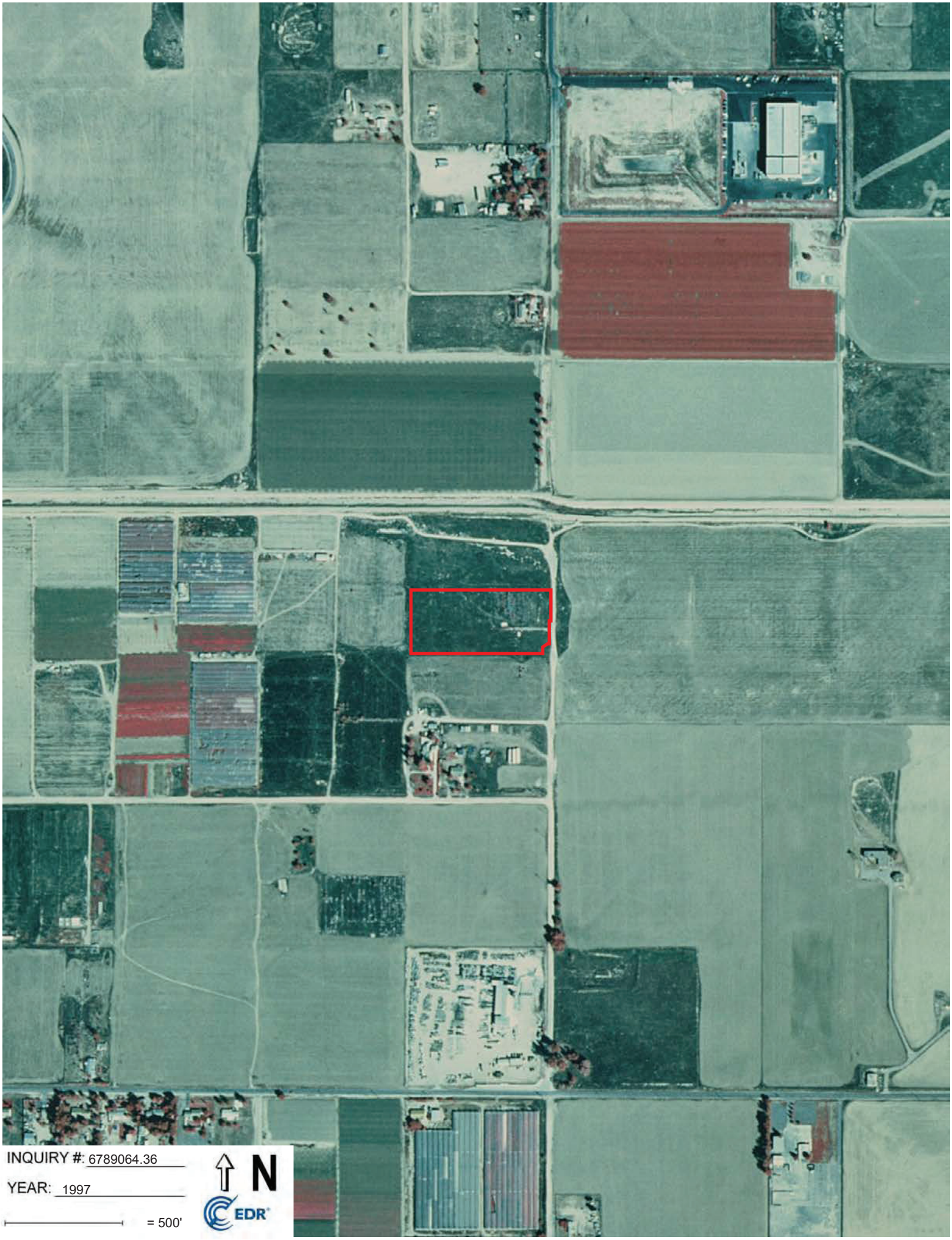

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YEAR: 2016
= 500'
N
EDR


INQUIRY #: 6789064.36
YEAR: 2012
= 500'
N
EDR


INQUIRY #: 6789064.36
YEAR: 2009
= 500'
N
EDR


INQUIRY #: 6789064.36
YEAR: 2006
= 500'
N
EDR


INQUIRY #: 6789064.36
YEAR: 2002
= 500'
N
EDR



INQUIRY #: 6789064.36

YEAR: 1997

= 500'

N

EDR



INQUIRY #: 6789064.36

YEAR: 1990

= 500'

N

EDR



INQUIRY #: 6789064.36

YEAR: 1989

= 500'

N

EDR



INQUIRY #: 6789064.36

YEAR: 1985

= 500'

N

EDR


INQUIRY #: 6789064.36
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EDR



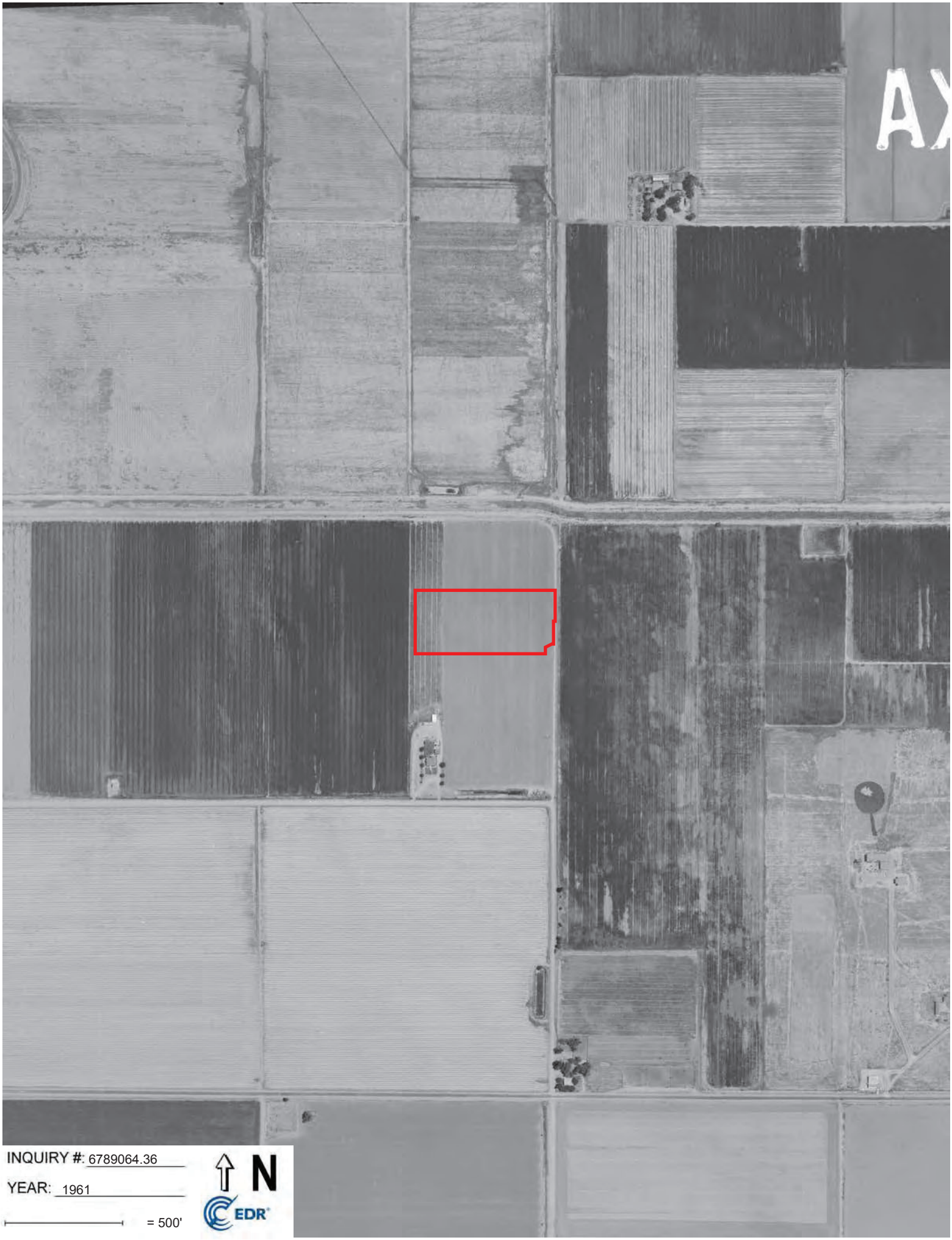
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YEAR: 1967

= 500'

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EDR



INQUIRY #: 6789064.36

YEAR: 1961

= 500'

N

EDR



INQUIRY #: 6789064.36

YEAR: 1953

= 500'

N

EDR



INQUIRY #: 6789064.36

YEAR: 1949

= 500'

N

EDR



INQUIRY #: 6789064.36

YEAR: 1938

= 500'

N

EDR

480 Harley Knox Blvd, Perris, CA

480 Harley Knox Boulevard

Perris, CA 92571

Inquiry Number: 6789064.31

December 15, 2021

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

12/15/21

Site Name:	Client Name:
480 Harley Knox Blvd, Perris, C	Gabriel Environmental Group
480 Harley Knox Boulevard	P. O. Box 1161
Perris, CA 92571	Redlands, CA 92373
EDR Inquiry # 6789064.31	Contact: Hani Gabriel

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

Search Results:		*Coordinates:*	
P.O.#	NA	**Latitude:**	33.857762 33° 51' 28" North
Project:	GEG21262	**Longitude:**	-117.235903 -117° 14' 9" West
		UTM Zone:	Zone 11 North
		UTM X Meters:	478178.60
		UTM Y Meters:	3746410.12
		Elevation:	1470.00' above sea level

Maps Provided:

2018	1942
2015	1901
2012	
1979, 1980	
1973	
1967	
1953	
1943	

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Topo Sheet Key

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

2018 Source Sheets



Perris
2018
7.5-minute, 24000



Steele Peak
2018
7.5-minute, 24000



Sunnymead
2018
7.5-minute, 24000



Riverside East
2018
7.5-minute, 24000

2015 Source Sheets



Perris
2015
7.5-minute, 24000



Steele Peak
2015
7.5-minute, 24000



Sunnymead
2015
7.5-minute, 24000



Riverside East
2015
7.5-minute, 24000

2012 Source Sheets



Perris
2012
7.5-minute, 24000



Steele Peak
2012
7.5-minute, 24000



Sunnymead
2012
7.5-minute, 24000

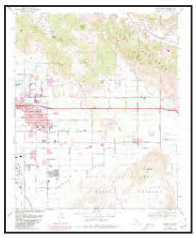


Riverside East
2012
7.5-minute, 24000

1979, 1980 Source Sheets



Perris
1979
7.5-minute, 24000
Aerial Photo Revised 1978



Sunnymead
1980
7.5-minute, 24000
Aerial Photo Revised 1978

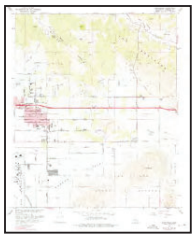


Riverside East
1980
7.5-minute, 24000
Aerial Photo Revised 1978

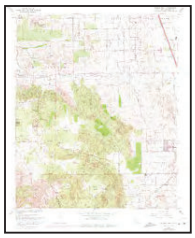
Topo Sheet Key

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

1973 Source Sheets



Sunnymead
1973
7.5-minute, 24000
Aerial Photo Revised 1973

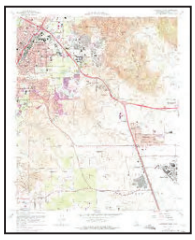


Steele Peak
1973
7.5-minute, 24000
Aerial Photo Revised 1973



Perris
1973
7.5-minute, 24000
Aerial Photo Revised 1973

1967 Source Sheets



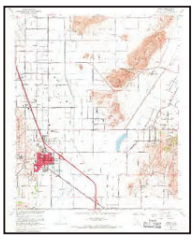
Riverside East
1967
7.5-minute, 24000
Aerial Photo Revised 1966



Steele Peak
1967
7.5-minute, 24000
Aerial Photo Revised 1966



Sunnymead
1967
7.5-minute, 24000
Aerial Photo Revised 1966



Perris
1967
7.5-minute, 24000
Aerial Photo Revised 1966

1953 Source Sheets



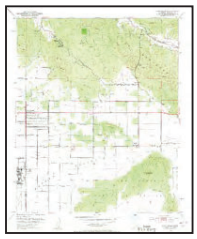
Steele Peak
1953
7.5-minute, 24000
Aerial Photo Revised 1951



Perris
1953
7.5-minute, 24000
Aerial Photo Revised 1951



Riverside East
1953
7.5-minute, 24000
Aerial Photo Revised 1951



Sunnymead
1953
7.5-minute, 24000
Aerial Photo Revised 1951

1943 Source Sheets



PERRIS
1943
15-minute, 62500

Topo Sheet Key

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

1942 Source Sheets



Perris
1942
15-minute, 62500
Aerial Photo Revised 1939



Riverside
1942
15-minute, 62500
Aerial Photo Revised 1939

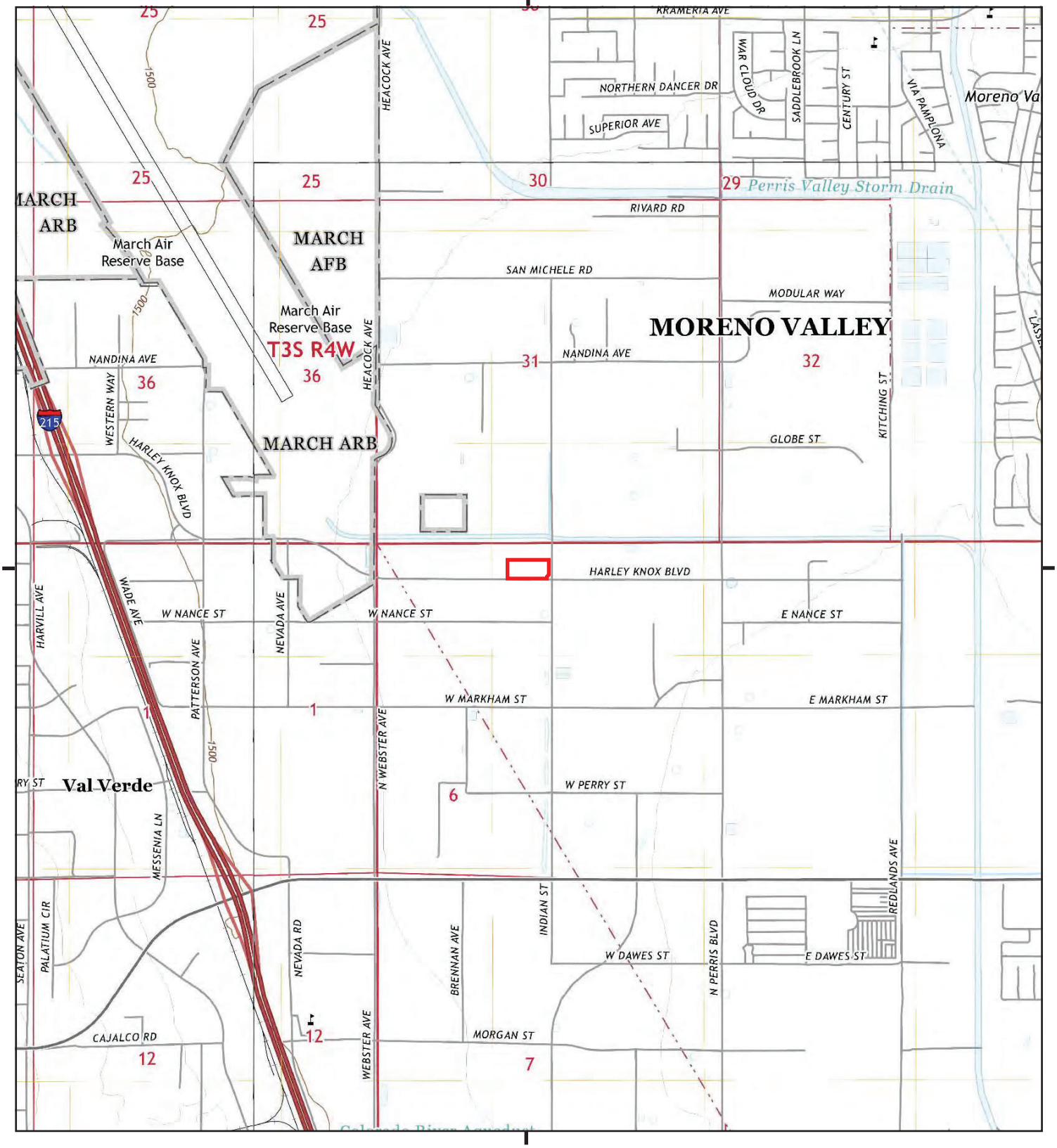
1901 Source Sheets



Elsinore
1901
30-minute, 125000

Historical Topo Map

2018



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

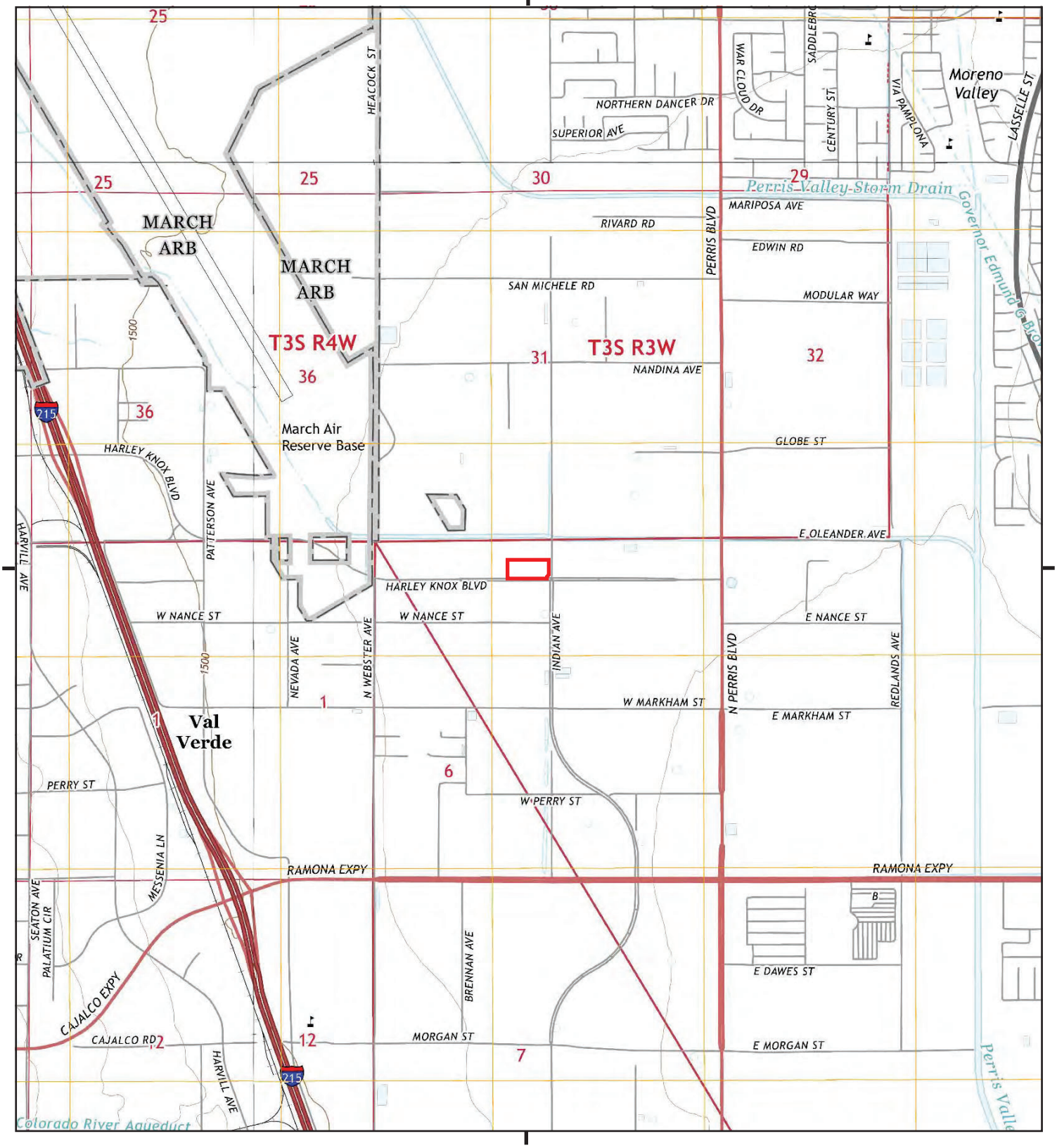
TP, Perris, 2018, 7.5-minute
NE, Sunnymead, 2018, 7.5-minute
SW, Steele Peak, 2018, 7.5-minute
NW, Riverside East, 2018, 7.5-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N

Historical Topo Map

2015



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

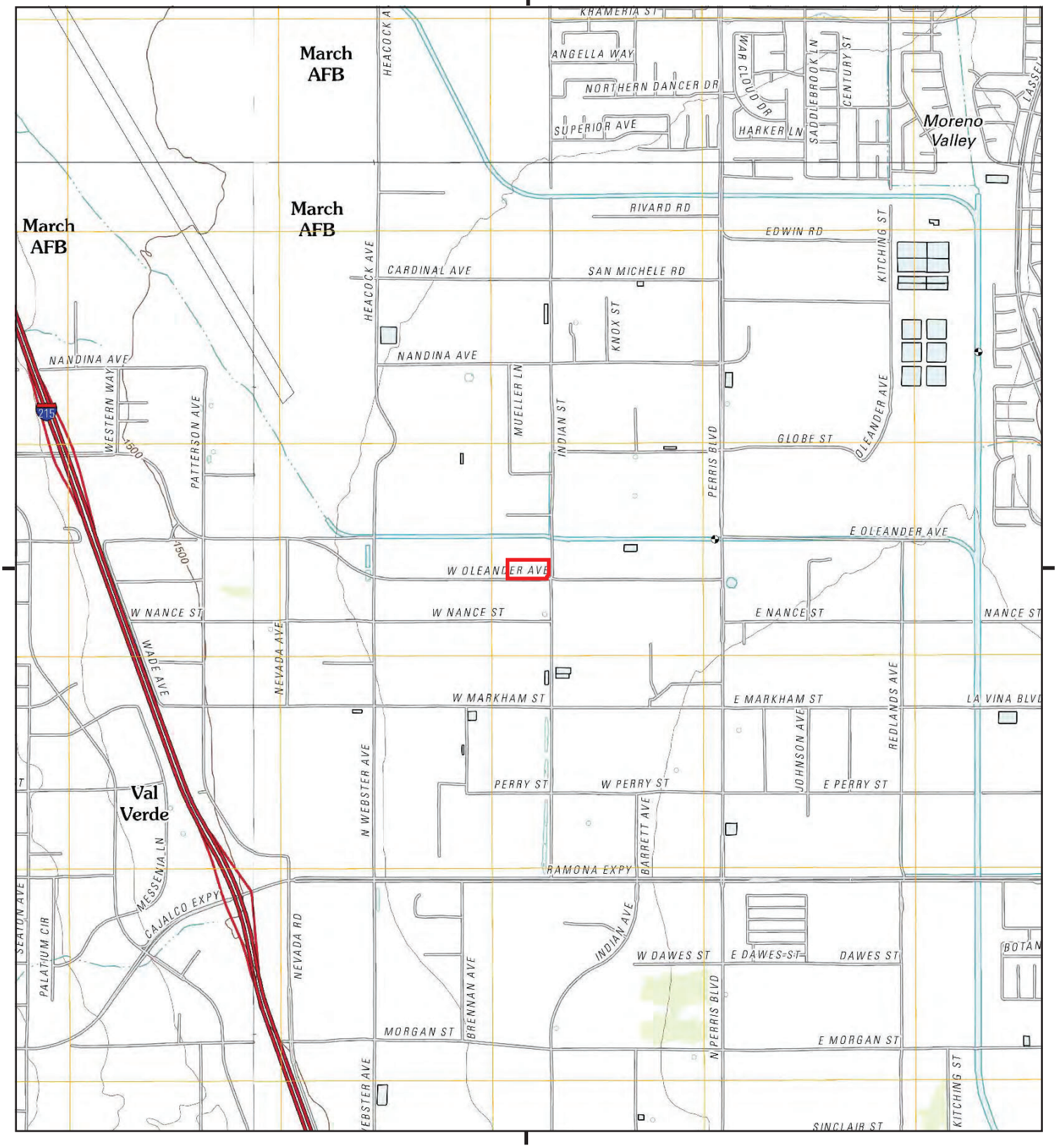
TP, Perris, 2015, 7.5-minute
NE, Sunnymead, 2015, 7.5-minute
SW, Steele Peak, 2015, 7.5-minute
NW, Riverside East, 2015, 7.5-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N

Historical Topo Map

2012



This report includes information from the following map sheet(s).

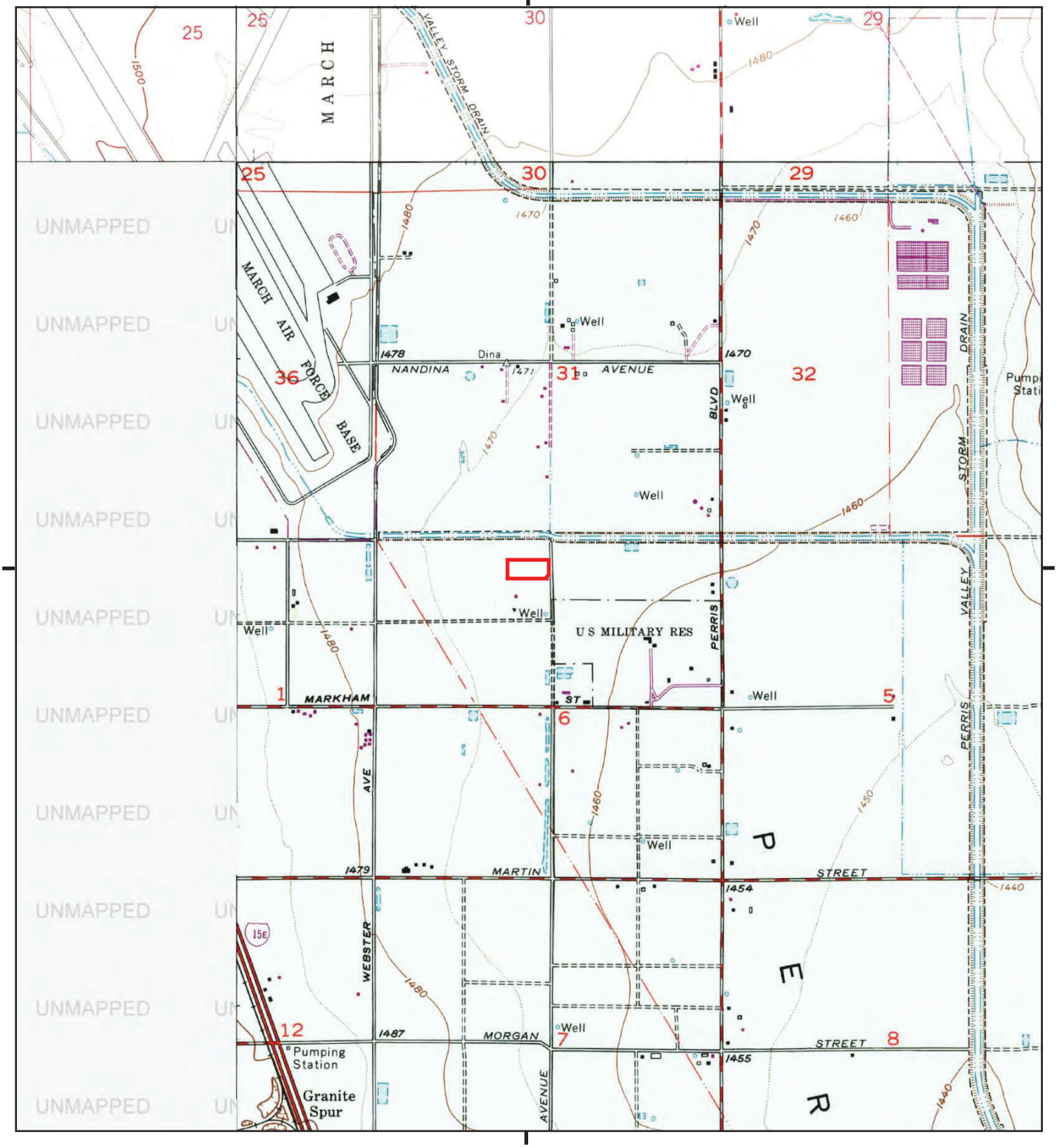
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Perris, 2012, 7.5-minute
NE, Sunnymead, 2012, 7.5-minute
SW, Steele Peak, 2012, 7.5-minute
NW, Riverside East, 2012, 7.5-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

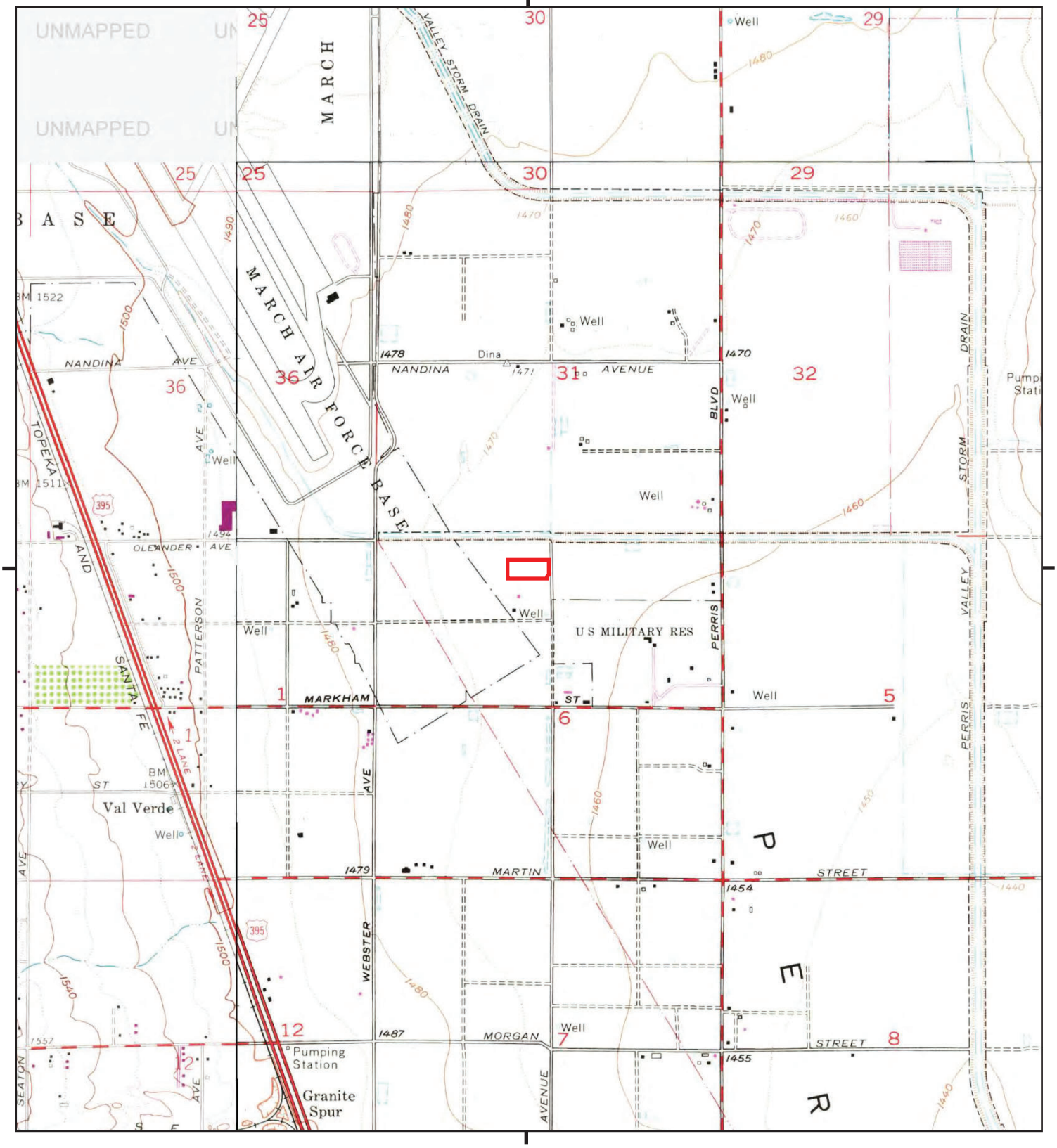
TP, Perris, 1979, 7.5-minute
NE, Sunnymead, 1980, 7.5-minute
NW, Riverside East, 1980, 7.5-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N

Historical Topo Map

1973



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

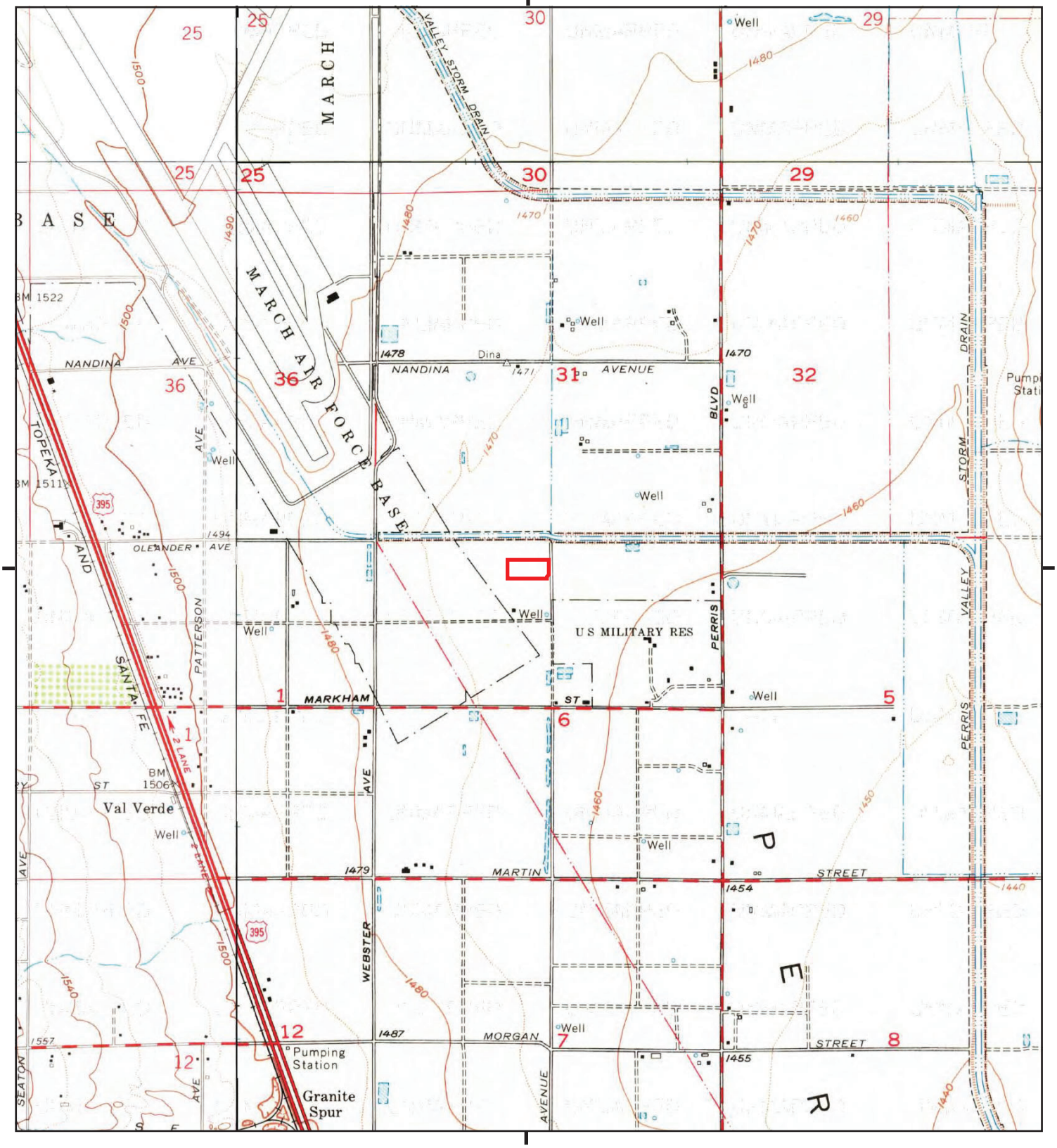
TP, Perris, 1973, 7.5-minute
NE, Sunnymead, 1973, 7.5-minute
SW, Steele Peak, 1973, 7.5-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N

Historical Topo Map

1967



This report includes information from the following map sheet(s).

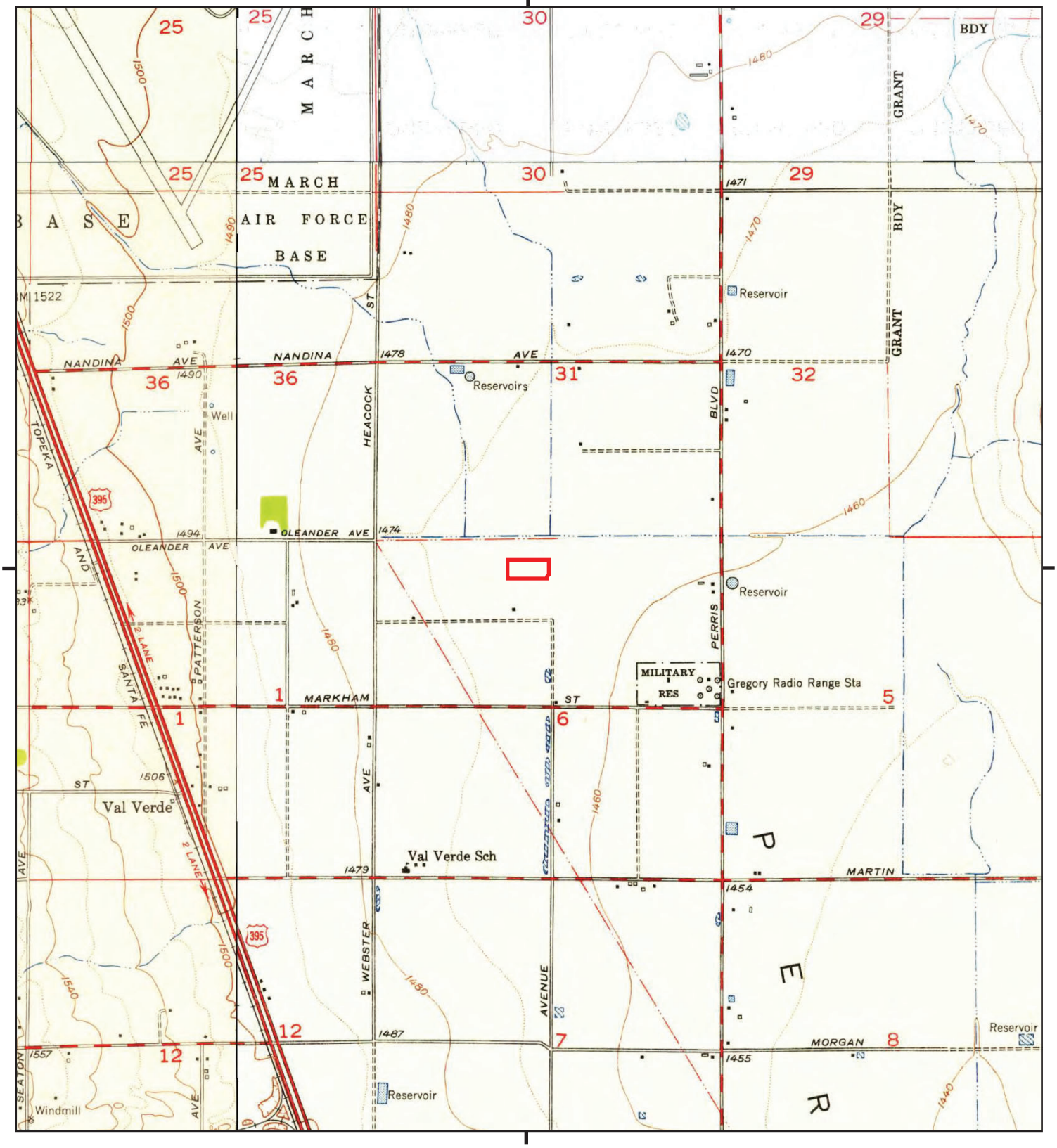
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Perris, 1967, 7.5-minute
NE, Sunnymead, 1967, 7.5-minute
SW, Steele Peak, 1967, 7.5-minute
NW, Riverside East, 1967, 7.5-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

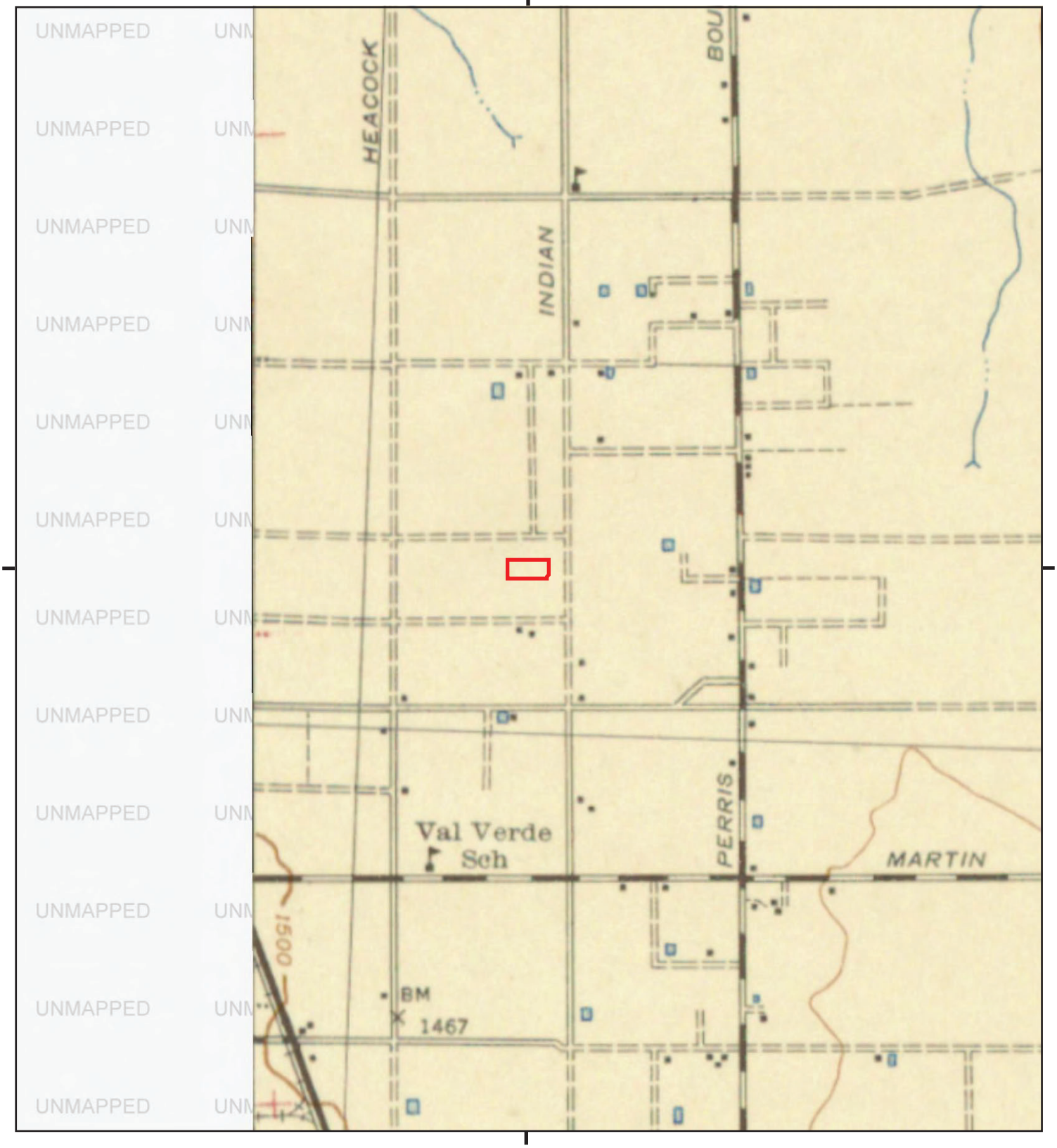
TP, Perris, 1953, 7.5-minute
NE, Sunnymead, 1953, 7.5-minute
SW, Steele Peak, 1953, 7.5-minute
NW, Riverside East, 1953, 7.5-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N

Historical Topo Map

1943



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

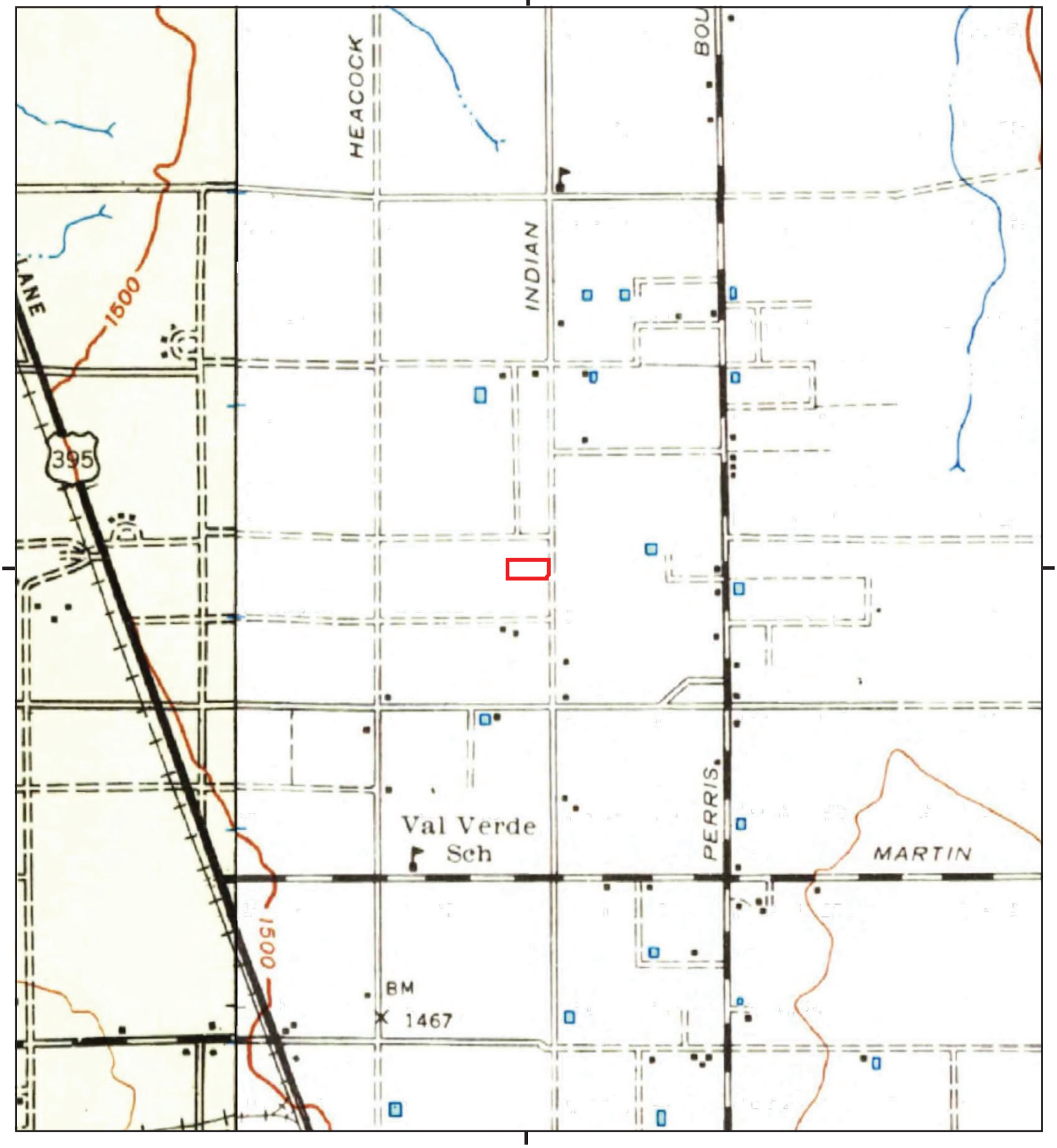
TP, PERRIS, 1943, 15-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N

Historical Topo Map

1942



This report includes information from the following map sheet(s).

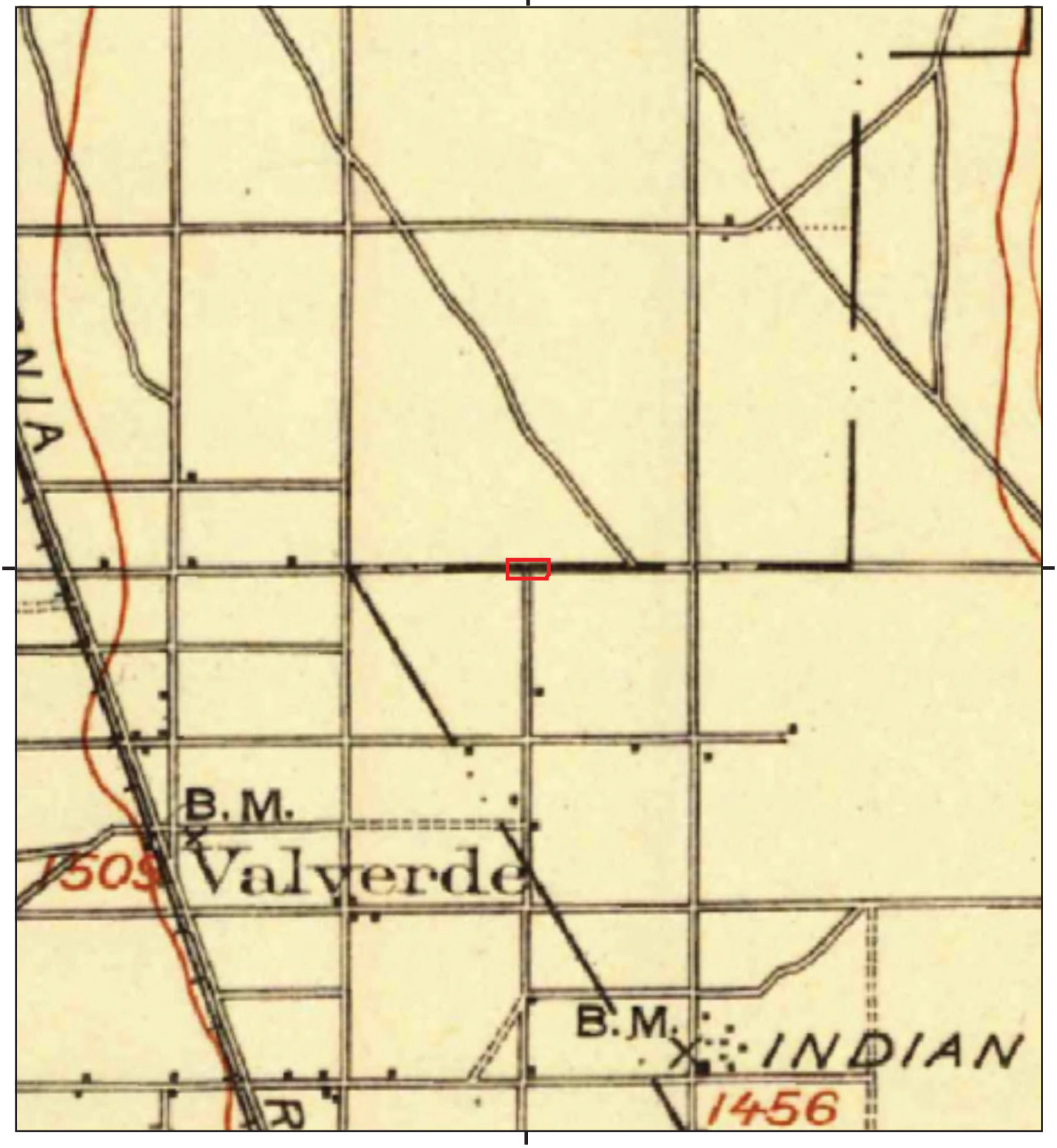
0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Perris, 1942, 15-minute
W, Riverside, 1942, 15-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N



This report includes information from the following map sheet(s).

0 Miles 0.25 0.5 1 1.5

NW N NE
W E
SW S SE

TP, Elsinore, 1901, 30-minute

SITE NAME: 480 Harley Knox Blvd, Perris, CA
ADDRESS: 480 Harley Knox Boulevard
Perris, CA 92571
CLIENT: Gabriel Environmental Group

N

480 Harley Knox Blvd, Perris, CA
480 Harley Knox Boulevard
Perris, CA 92571

Inquiry Number: 6789064.33
December 16, 2021

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

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

TABLE OF CONTENTS

SECTION

Executive Summary

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City Directory Images

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with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

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

RECORD SOURCES

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

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RESEARCH SUMMARY

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

Year	Target Street	Cross Street	Source
2017	☑	☐	EDR Digital Archive
2014	☑	☐	EDR Digital Archive
2010	☑	☐	EDR Digital Archive
2005	☐	☐	Haines Criss-Cross Directory
2000	☐	☐	Haines Criss-Cross Directory
1995	☐	☐	Haines Criss-Cross Directory
1990	☐	☐	Haines Criss-Cross Directory
1985	☐	☐	Haines Criss-Cross Directory
1980	☐	☐	Haines Criss-Cross Directory
1976	☐	☐	Haines Criss-Cross Directory
1971	☐	☐	Haines Criss-Cross Directory

FINDINGS

TARGET PROPERTY STREET

480 Harley Knox Boulevard
Perris, CA 92571

Year	*CD Image*	*Source*	
HARLEY KNOX BLVD			
2017	pg A1	EDR Digital Archive	
2014	pg A2	EDR Digital Archive	
2010	pg A3	EDR Digital Archive	
2005	-	Haines Criss-Cross Directory	Street not listed in Source
2000	-	Haines Criss-Cross Directory	Street not listed in Source
1995	-	Haines Criss-Cross Directory	Street not listed in Source
1990	-	Haines Criss-Cross Directory	Street not listed in Source
1985	-	Haines Criss-Cross Directory	Street not listed in Source
1980	-	Haines Criss-Cross Directory	Street not listed in Source
1976	-	Haines Criss-Cross Directory	Street not listed in Source
1971	-	Haines Criss-Cross Directory	Street not listed in Source

FINDINGS

CROSS STREETS

No Cross Streets Identified

City Directory Images

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HARLEY KNOX BLVD 2017

400	BIT HOLDING SEVENTY EIGHT IN
	NATIONAL RETAIL TRANSPORTATION
420	PROSPER PROPERTIES
440	KOYO COOLING SYSTEMS
1033	THAI, DENNIS
1073	ACOSTA, GEORGE R
1133	RAMIREZ, DAGOBERTO
1153	BILL & DAVES LANDSCAPE
	CRAZY CURBS
1190	CHAMP
	UNITED MATERIAL HANDLING INC
	UNITED MATERIAL HANDLING LLC
1450	QUALITY DRIVE A WAY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HARLEY KNOX BLVD 2014

440	KOYO COOLING SYSTEMS
480	CORIX WATER PRODUCTS INC
495	OCCUPANT UNKNOWN,
1033	THAI, DENNIS
1073	ACOSTA, GEORGE R
	YUCAIPA TOWING INC
1090	IMPACT CONSTRUCTION SERVICES INC
1133	RAMIREZ, DAGOBERTO
1153	BILL & DAVES LANDSCAPE
	CRAZY CURBS
1190	CHAMP
	UNITED MATERIAL HANDLING LLC
1450	QUALITY DRIVE A WAY

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

HARLEY KNOX BLVD 2010

495	OCCUPANT UNKNOWN,
1033	THAI, DENNIS
1073	OCCUPANT UNKNOWN,
1093	APEX INSULTAION
	MDI INTERIORS
1133	RAMIREZ, DAGOBERTO
1153	BILL & DAVES LANDSCAPE MNTNC
	CRAZY CURBS
1173	AMERICAN BUILDING SUPPLIES
	MIKE SCHEINKER MASONRY

Certified Sanborn® Map Report

12/15/21

Site Name:	Client Name:
480 Harley Knox Blvd, Perris, C	Gabriel Environmental Group
480 Harley Knox Boulevard	P. O. Box 1161
Perris, CA 92571	Redlands, CA 92373
EDR Inquiry # 6789064.30	Contact: Hani Gabriel

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PO # NA

Project GEG21262

UNMAPPED PROPERTY

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Sanborn® Library search results

Certification #: 5318-4B76-8DB5

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

The Sanborn Library LLC Since 1866™

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APPENDIX E
PHOTOGRAPHS



1. Southern portion of the Site.



2. Northern portion of the Site.



3. Northern portion of the Site.



4. Western portion of the Site. Note plastic notes of paint products.



5. Eastern portion of the Site.



6. Typical building interior – storage room.



7. Warehouse area.



8. Warehouse area. Note paint containers.



9. Warehouse area. Note compressed gases.



10. Warehouse area. Note drums of phosphoric acid.



11. Warehouse area.



12. Western mezzanine level.



13. Western mezzanine level.



14. Eastern retail area.



15. East adjacent.



16. North adjacent.



17. South adjacent.



18. Southeast adjacent.

APPENDIX F
QUALIFICATIONS

Dan Weis, R.E.H.S.

ENVIRONMENTAL MANAGER

1938 Kellogg Avenue, Suite 116, Carlsbad, CA 92008

(760) 585-7070 // (760) 672-6338 // dw@weisenviro.com // www.weisenviro.com

Professional Summary

Environmental Manager and California Registered Environmental Health Specialist with extensive expertise in environmental science and assessment, environmental and public health, risk assessment, health and safety, remedial design and implementation, strategic planning and project/program design and implementation. Over 20 years of professional experience and achievement. Successful completion of projects for a wide range of clientele including, but not limited to, local government entities, developers (affordable housing and market rate), educational institutions, Federal government entities, law firms, architectural and engineering firms, lending institutions, life insurance companies, conservancies, commercial/industrial real estate owners/managers, insurance companies, wireless telecommunication carriers and real estate developers. Extensive experienced in the completion of assessment, construction and remediation quality assurance during the completion of urban redevelopment/brownfields projects and public works projects, many of which have been located in downtown areas of San Diego, Los Angeles, Oakland, San Francisco, and other urban communities throughout the State of California. Proven ability to train and mentor professional, technical and support staff. Manages a comprehensive health and safety program. Holds a Master of Science in Public Health with an emphasis in environmental health science, risk assessment, health and safety, toxicology and environmental policy. Registered Environmental Health Specialist #8172 in the State of California.

Education and Professional Certification

- University of Delaware, Bachelor of Arts, 1995
- San Diego State University, Master of Science, Public/Environmental Health, 2001
- State of California Registered Environmental Health Specialist #8172
- Centers for Disease Control and Prevention National Center for Environmental Health Division of Emergency and Environmental Health Services - Environmental Health Training in Emergency Response
- Occupational Safety and Health Administration (OSHA) 40 Hour Hazardous Waste Operations and Emergency Response Standard (HAZWOPER) Training and Annual 8 Hour HAZWOPER Refresher Training
- OSHA 8 Hour HAZWOPER Supervisor Training

Relevant Skills and Qualifications

- Proven ability to manage staff and programs/projects in challenging and diverse environments and regulatory settings. Consistently meets project schedules, goals, deadlines and budgetary restrictions.
- Completed or managed over 3,000 due diligence related environmental assessments and completed or managed over 500 subsurface environmental investigations of soil gas, soil, groundwater and other media. Investigations have included human health and ecological risk assessments, evaluations of indoor air conditions based on interpretations of subsurface conditions, underground storage tank (UST) evaluation/closure and hazardous waste characterization/management. Subsurface activities performed include the completion of soil borings using various drilling technologies, soil and groundwater sampling, installation and sampling of groundwater monitoring wells, free product evaluations, exploratory trenching and real-time delineation using mobile analytical laboratories and other soil screening technology.
- Managed over 100 remediation or construction management related projects primarily related to source removal of subsurface contaminants, including but not limited to, petroleum hydrocarbons, chlorinated solvents, heavy metals, organochlorine pesticides and other agricultural related chemicals, dioxins and furans and polychlorinated biphenyls. Has also assisted in cost recovery efforts from private parties and State/Federal funding programs for environmental assessment and remediation work and has served as an expert witness during legal proceedings pertaining to environmental related claims.
- Strong collaboration and negotiation skills with environmental regulatory agencies regarding project planning, initiation, status, approvals and implementation. Direct experience in interfacing with members of regulatory agencies including but not limited to the United States Environmental Protection Agency (EPA), California EPA Department of Toxic Substances

Control and Office of Environmental Health Hazard Assessment, County of San Diego Departments of Environmental Health (DEH), Public Works and Planning and Land Use, San Diego Air Pollution Control District, South Coast Air Quality Management District, Riverside County DEH, San Francisco City and County Department of Public Health (DPH), Arizona Department of Environmental Quality, County of Los Angeles County DPH and other local Certified Unified Program Agencies. Develop, manage and implement compliance and best practices efforts with Federal and State laws and regulations.

- Conducted and/or managed hundreds of public/environmental health related assessments including electromagnetic field surveys, radionuclide surveys, indoor air quality investigations, radon surveys, drinking water assessments, asbestos containing materials and lead-based paint surveys and mold/microbial evaluations.
- Recovered over $10,000,000 of assessment and cleanup costs for clientele from various sources including State of California Cleanup Funds, United States Environmental Protection Agency Brownfield grants and private parties including major oil companies.
- Responsible for facilitating a safe and healthy work environment in concert with the mission of the company while ensuring compliance with applicable Federal, State, and local regulations.
- Published technical papers pertaining to geogenic concentrations of metals in San Diego County, radioactive dating and pollutant chronologies in estuarine sediments and various urban runoff related implications.
- Delivered presentations pertaining to various environmental topics including human health risk assessment to membership at local and national trade conferences

Project Experience (Projects Completed at Multiple Firms)

- 14th and Island, San Diego, California – Development of Site Mitigation Plan, contaminated soil management and disposal concurrent with site construction activities at the superblock construction site in downtown San Diego and achievement of regulatory closure with the County of San Diego Department of Environmental Health.
- 2198 Market Street, San Francisco, California – Phase I and II Environmental Site Assessments, supplemental subsurface investigation, Site Mitigation Plan development, contaminated soil management and disposal concurrent with site construction activities and negotiation/achievement of regulatory closure with the City of San Francisco Department of Public Health.
- Former EZ Serve, 9305 Mission Gorge Road, Santee, California – Closure report preparation and San Diego Regional Water Quality Control Board interface and negotiation/achievement of regulatory closure under State of California low-threat policy.
- French Field – Former Vista Burn Dump, Oceanside, California – Oversight of the capping of a former burn dump/landfill facility and restoration for public use as a sports facility. Negotiation and achievement of regulatory closure with the California Department of Toxic Substances Control with concurrence from the San Diego Regional Water Quality Control Board and the County of San Diego Local Enforcement Agency.
- Indoor Skydiving Facility, 1401 Imperial Avenue, San Diego, California – Development of Soil Management Plan and contaminated soil management and disposal concurrent with site construction activities in downtown San Diego.
- Lemon Grove Avenue Realignment Project, Lemon Grove, California – Development of Impacted Soil Management Plan, Community Health and Safety Plan and Worker Health and Safety Plan and oversight of the implementation of such plans during construction activities.
- North Side Interior Road and Utilities Project at San Diego International Airport, San Diego, California - Subsurface assessment, development of Soil Management Plan and Work Health and Safety Plan and implementation and monitoring of soil management strategies.
- Olympic and Hill, Los Angeles, California – Removal of multiple underground storage tanks and underlying contaminated soil and achievement of regulatory closure with the City of Los Angeles Fire Department.
- San Ysidro - U.S. Land Port of Entry, San Diego, California – Subsurface assessment and development and implementation of soil management strategies.
- VA Medical Center Long Beach, 5901 East 7th Street, Long Beach, California - VA Long Beach: Seismic Corrections – Mental Health, Community Living Center and Chiller Replacements Project – Asbestos containing materials and lead-based paint surveys and preparation of abatement contractor bid specifications.

INTIAL STUDY – APPENDIX F

Water Quality Management Plan

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING

PROJECT SPECIFIC PRELIMINARY WATER QUALITY MANAGEMENT PLAN (P-WQMP)

FOR:
P22-00026
HARLEY KNOX INDUSTRIAL DEVELOPMENT
657 HARLEY KNOX BOULEVARD
PERRIS, CALIFORNIA 92571
APNs: 302-020-013, -028, -032, -038, -040, -043 AND -048

PREPARED FOR:
FIRST INDUSTRIAL REALTY TRUST, INC.
898 N. PACIFIC COAST HIGHWAY, SUITE 175
EL SEGUNDO, CA 90245
PHONE: (310) 321-3813
CONTACT: MICHAEL GOODWIN

MARCH 20, 2023
JANUARY 8, 2024

JOB NO. 4066

PREPARED BY:
THIENES ENGINEERING, INC.
14349 FIRESTONE BLVD.
LA MIRADA, CALIFORNIA 90638
PHONE: (714) 521-4811
FAX: (714) 521-4173
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PROJECT SPECIFIC PRELIMINARY WATER QUALITY MANAGEMENT PLAN (P-WQMP)

FOR

"HARLEY KNOX INDUSTRIAL DEVELOPMENT"



PREPARED BY LUIS PRADO
UNDER THE SUPERVISION OF:

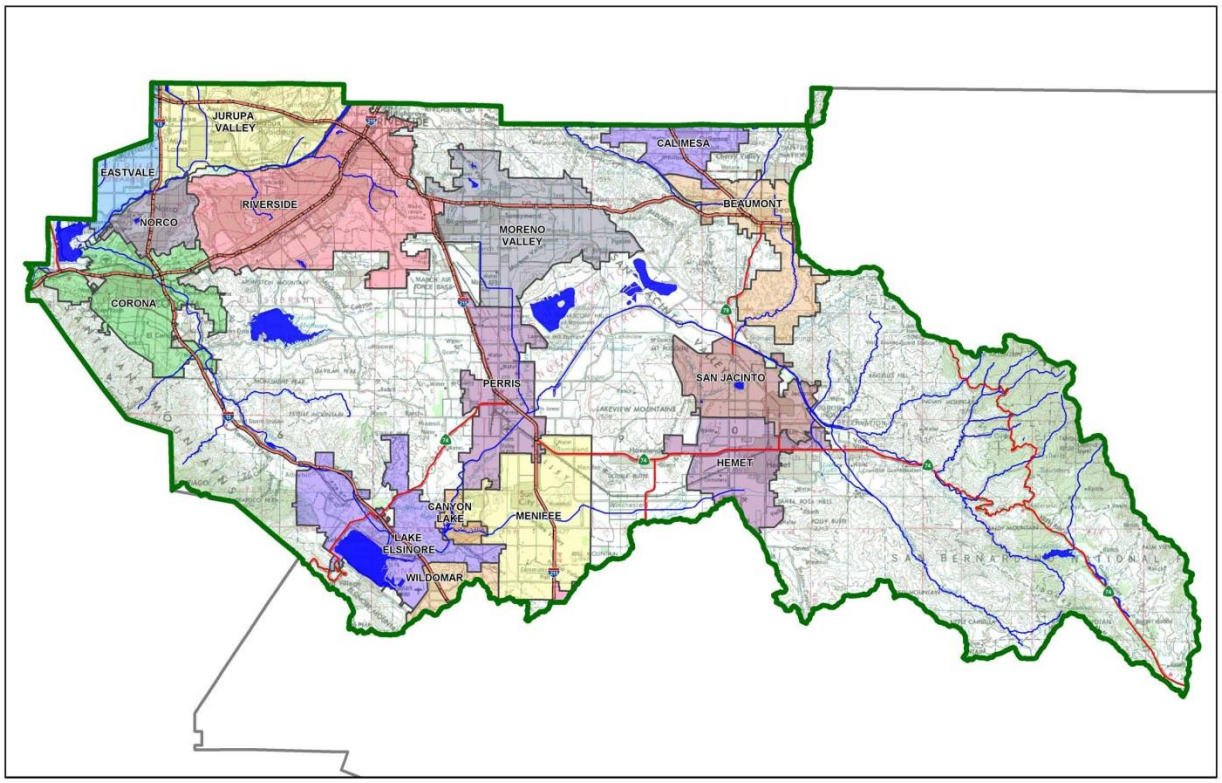
1/8/2024

REINHARD STENZEL DATE
R.C.E. 56155
EXP. 12/31/2024

Project Specific Water Quality Management Plan

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

Project Title: Harley Knox Industrial Development
Development No: 657 Harley Knox Boulevard, Perris, California 92571
Design Review/Case No: P22-00026



☒ **Preliminary**
☐ **Final**

Original Date Prepared: March 20, 2023

Revision Date(s): January 8, 2024

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

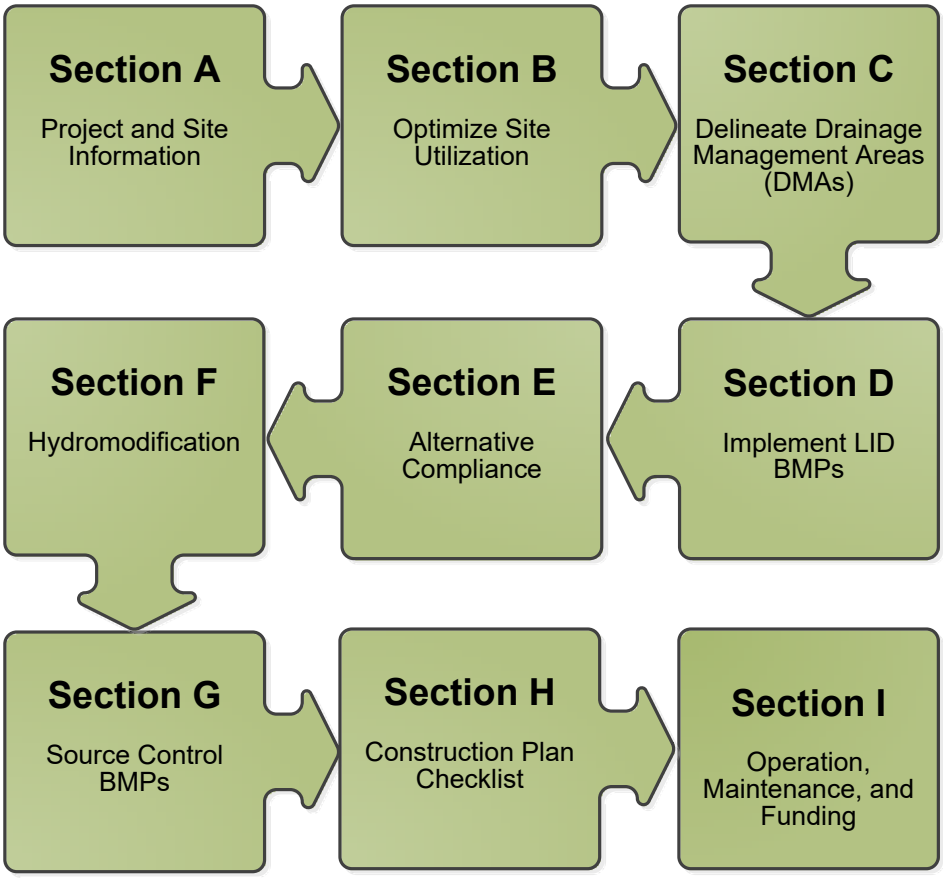
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Prepared by:
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14349 Firestone Boulevard
La Mirada, CA 90638
(714) 521-4811
Contact: Luis Prado (luisp@thieneseng.com)
Job No. 4066

A Brief Introduction

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



OWNER'S CERTIFICATION

This Project-Specific Water Quality Management Plan (WQMP) has been prepared for **First Industrial Realty Trust, Inc.** by **Thienes Engineering, Inc.** for the **Harley Knox Industrial Development** project (P22-00026).

This WQMP is intended to comply with the requirements of **City of Perris** for **Ordinance No. 1194** which includes the requirement for the preparation and implementation of a Project-Specific WQMP.

The undersigned, while owning the property/project described in the preceding paragraph, shall be responsible for the implementation and funding of this WQMP and will ensure that this WQMP is amended as appropriate to reflect up-to-date conditions on the site. In addition, the property owner accepts responsibility for interim operation and maintenance of Stormwater BMPs until such time as this responsibility is formally transferred to a subsequent owner. This WQMP will be reviewed with the facility operator, facility supervisors, employees, tenants, maintenance and service contractors, or any other party (or parties) having responsibility for implementing portions of this WQMP. At least one copy of this WQMP will be maintained at the project site or project office in perpetuity. The undersigned is authorized to certify and to approve implementation of this WQMP. The undersigned is aware that implementation of this WQMP is enforceable under **City of Perris** Ordinance **No. 1194.**

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

Owner's Signature

Date 1/8/24

Michael Goodwin
Owner's Printed Name

Director of Development
Owner's Title/Position

PREPARER'S CERTIFICATION

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

Preparer's Signature

Date 1/8/24

Reinhard Stenzel
Preparer's Printed Name

Director of Engineering
Preparer's Title/Position

Preparer's Licensure:

REGISTERED PROFESSIONAL ENGINEER
REINHARD STENZEL
No. 56155
Exp. 12-31-24
CIVIL
STATE OF CALIFORNIA

CALIFORNIA ACKNOWLEDGMENT **CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of San Bernardino }

On January 8, 2024 *Date* before me, Judy Pena, Notary Public *Here Insert Name and Title of the Officer*,

personally appeared Michael Lee Goodwin *Name(s) of Signer(s)*,

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she~~/~~they~~ executed the same in his/~~her~~/~~their~~ authorized capacity(~~ies~~), and that by his/~~her~~/~~their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

JUDY PENA
Notary Public - California
San Bernardino County
Commission # 2444635
My Comm. Expires Apr 18, 2027

Place Notary Seal and/or Stamp Above

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature _____ *Signature of Notary Public*

OPTIONAL

Completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____

Document Date: _____ Number of Pages: _____

Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____	Signer's Name: _____
☐ Corporate Officer – Title(s): _____	☐ Corporate Officer – Title(s): _____
☐ Partner – ☐ Limited ☐ General	☐ Partner – ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator
☐ Other: _____	☐ Other: _____
Signer is Representing: _____	Signer is Representing: _____

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Section A: Project and Site Information

PROJECT INFORMATION	
Type of Project:	Light Industrial Warehouse
Planning Area:	Industrial/Business Park
Community Name:	N/A
Development Name:	Harley Knox Industrial Development
PROJECT LOCATION	
Latitude & Longitude (GIS): 33.858210, -117.238976	
Project Watershed and Sub-Watershed: Santa Ana River & San Jacinto	
APN(s): 302-020-013, -028, -032, -038, -040, -043 and -048	
Total Project Area: 25.13 acres	
Map Book and Page No.: Assessor's Map BK302 PG. 02	
PROJECT CHARACTERISTICS	
Proposed or Potential Land Use(s)	Light Industrial
Proposed or Potential SIC Code(s)	4225
Area of Existing Impervious Project Footprint (SF)	0
Total Area of proposed Impervious Surfaces within the Project Limits (SF)/or Replacement	953,964 (21.90 acres) includes only impervious areas.
Does the project consist of offsite road improvements?	☒ Y ☐ N
Does the project propose to construct unpaved roads?	☐ Y ☒ N
Is the project part of a larger common plan of development (phased project)?	☐ Y ☒ N
EXISTING SITE CHARACTERISTICS	
Total area of existing Impervious Surfaces within the project limits (SF)	0
Is the project located within any MSHCP Criteria Cell?	☐ Y ☒ N
If so, identify the Cell number:	N/A
Are there any natural hydrologic features on the project site?	☐ Y ☒ N
Is a Geotechnical Report attached?	☒ Y ☐ N
If no Geotech. Report, list the NRCS soils type(s) present on the site (A, B, C and/or D)	Infiltration Report Available
What is the Water Quality Design Storm Depth for the project?	0.63 inches

Project Description:

The project site encompasses approximately 25.13 acres. Proposed improvements include one light industrial warehouse type building with approximately 549,786 square feet utilized for the transfer and storage of finished goods. There is a truck dock area (including a truck yard) located on the northerly side of the building. Proposed trash enclosures will be covered and located north of the building. Approximately 94.4% (roughly 21.90 acres) of the site will consist of impervious cover, while the remaining 5.6% (roughly 1.41 acres) will consist of LID landscape.

Per the infiltration report, the geotechnical engineer concluded that infiltration is not considered feasible due to non-permeable soils that underlay the site. Based on this, the rates are assumed to be 0.0 in/hr which puts the site at biotreatment BMPs such as the extended detention basin. However, the site is located within Riverside County's Airport Land Use Commission's (ALUC) jurisdiction; specifically, within Zones B1 and B2. ALUC guidelines ("Wildlife Hazard Management at Riverside County Airports: Background and Policy" dated October 2018, Table 5-4) specifically states that extended detention basins are prohibited in Zones A through D. As a result, the project proposes to use an equivalent underground biotreatment solution with an underground detention system (StormTech MC-3500 Detention Chambers) and proprietary biotreatment unit (Bio Clean Modular Wetlands System) to treat runoff produced by the 85th percentile storm rainfall depth. A hydrodynamic separator will be provided in order to pre-treat runoff prior to entering the water quality devices.

Existing Site:
The site is currently a vacant dirt lot with natural weeds and grasses. The site is relatively flat. The westerly portion of the site tends to drain southerly to Harley Knox Boulevard. The easterly portion of the site tends to drain easterly towards Indian Avenue.

Hydrology:
Runoff from the westerly parking lot, the loading dock, the truck yard, and the northerly portion of the proposed building drains to catch basins in the parking lot and truck yard, where it is conveyed in an easterly direction via proposed storm drain Line "A". Runoff from the southerly portion of the proposed building drains into roof drains that will be hardlined into proposed storm drain Line "B" and also conveyed in an easterly direction. Line "B" then turns north (at the end of the building) and picks up runoff from the easterly vehicle parking lot before connecting to Line "A" at the northeast corner of the project site. The project ultimately discharges into the existing Flood Control channel Lateral "B".

Prior to discharging offsite, a proposed diversion structure will convey the design capture volume (DCV) to the StormTech MC-3500 Chambers for detention, and one Modular Wetlands System for biotreatment. The BMP system has a treatment capacity of 44,965 cu-ft which is greater than the DCV of 44,975 cu-ft.

Runoff from the landscaping along the northwesterly and northeasterly corners of the site, and along the southerly side of the building (DMAs B-2, C-2 and D-2) will sheet flow offsite without being routed to the proposed LID BMPs. These landscaped areas are considered self-treating areas.

A.1 Maps and Site Plans

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

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

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

A.2 Identify Receiving Waters

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

Table A.1 Identification of Receiving Waters

Receiving Waters	EPA Approved 303(d) List Impairments	Designated Beneficial Uses	Proximity to RARE Beneficial Use
Perris Valley Storm Drain	None	None	Not classified as a RARE waterbody.
San Jacinto River, Reach 3	None	AGR, GWR, REC1, REC2, WARM, WILD	Not classified as a RARE waterbody.
Canyon Lake (aka San Jacinto River, Reach 2)	Nutrients	MUN, AGR, GWR, REC1, REC2, WARM, WILD	Not classified as a RARE waterbody.
San Jacinto River, Reach 1	None	MUN, AGR, GWR, REC1, REC2, WARM, WILD	Not classified as a RARE waterbody.
Lake Elsinore	DDT, Nutrients, Organic Enrichment/Low Dissolved Oxygen, PCBs, Toxicity	REC1, REC2, WARM, WILD	Not classified as a RARE waterbody.

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

Table A.2 Other Applicable Permits

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

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

Section B: Optimize Site Utilization (LID Principles)

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

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

Site Optimization

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

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

- *There are no creeks, wetlands, or riparian habitats nearby.*
- *Existing drainage patterns flow from west to east toward Indian Avenue and ultimately into the Perris Valley Storm Drain. Proposed condition drainage patterns mimic pre-development conditions.*

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

- *Not applicable, the entire site was previously disturbed (mass-graded).*
- *Not applicable, there are no sensitive areas.*
- *No applicable, there are no existing trees or vegetation to preserve.*

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

- *Per the infiltration report, testing at two points located at the proposed northern truck yard resulted with very low measured infiltration rates of 0.5 and 1.4 inches/hour. The geotechnical engineer concluded that infiltration is not considered feasible due to non-permeable soils; therefore, the project proposes to use an underground detention system and proprietary biotreatment unit to treat runoff produced by the 85th percentile storm rainfall depth.*

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

- *Impervious area on the site has been minimized to City standards.*

- *Due to the nature of the project site (large trucks), substitution of pavement for landscaping is not feasible. The project does not propose overflow parking where substitution of pavement for landscaping would be optimal. Landscaping has been provided wherever applicable and to the maximum extent practicable.*
- *The entire Design Capture Volume (DCV) is handled by the proposed underground detention system and proprietary biotreatment unit. Permeable pavement is not needed to meet the DCV.*

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

- *Roof runoff is directed to the underground detention system and proprietary biotreatment unit for treatment.*
- *The site is not on a hillside.*
- *All stormwater runoff will be piped or sheet flow into the underground detention system and proprietary biotreatment unit; therefore, curb-cuts into landscaped areas are not utilized.*

Section C: Delineate Drainage Management Areas (DMAs)

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

Table C.1 DMA Classifications

DMA Name or ID	Surface Type(s)[1]	Area (Sq. Ft.)	Area (Acres)	DMA Type
A-1	Roofs/Conc/Asphalt	953,964	21.90	Type D
A-2	Ornamental Landscaping	50,094	1.15	Type D
B-2	Ornamental Landscaping	12,197	0.28	Type A
C-2	Ornamental Landscaping	67,082	1.54	Type A
D-2	Ornamental Landscaping	11,326	0.26	Type A

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

DMAs B-2, C-2 and D-2 consists of landscape areas that drain offsite.

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

DMA Name or ID	Area (Sq. Ft.)	Stabilization Type	Irrigation Type (if any)
B-2	12,197	California Native Vegetation	Timed Sprinklers
C-2	67,082	California Native Vegetation	Timed Sprinklers
D-2	11,326	California Native Vegetation	Timed Sprinklers

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

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

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

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

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

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

DMA Name or ID	BMP Name or ID
A-1	StormTech MC-3500 Chambers & Modular Wetlands System (STC-A & MWS-A)
A-2	StormTech MC-3500 Chambers & Modular Wetlands System (STC-A & MWS-A)

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

Section D: Implement LID BMPs

D.1 Infiltration Applicability

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

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

Geotechnical Report

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

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

Infiltration Feasibility

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

Table D.1 Infiltration Feasibility

Does the project site…	YES	NO
…have any DMAs with a seasonal high groundwater mark shallower than 10 feet?		X
If Yes, list affected DMAs:		
…have any DMAs located within 100 feet of a water supply well?		X
If Yes, list affected DMAs:		
…have any areas identified by the geotechnical report as posing a public safety risk where infiltration of stormwater could have a negative impact?		X
If Yes, list affected DMAs:		
…have measured in-situ infiltration rates of less than 1.6 inches / hour?	X	
If Yes, list affected DMAs: Per the infiltration report, testing at two points located at the proposed northern truck yard resulted with very low measured infiltration rates of 0.5 and 1.4 inches/hour. The geotechnical engineer concluded that infiltration is not considered feasible due to non-permeable soils; therefore, the project proposes to use an underground detention system and proprietary biotreatment unit to treat runoff produced by the 85th percentile storm rainfall depth.		
…have significant cut and/or fill conditions that would preclude in-situ testing of infiltration rates at the final infiltration surface?		X
If Yes, list affected DMAs:		
…geotechnical report identify other site-specific factors that would preclude effective and safe infiltration?		X
Describe here:		

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

D.2 Harvest and Use Assessment

Please check what applies*:*

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

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

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

☒ None of the above

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

Irrigation Use Feasibility

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

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

Total Area of Irrigated Landscape: 1.41 acres

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

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

Total Area of Impervious Surfaces: 21.90 acres

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

Enter your EIATIA factor: 1.05

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

Minimum required irrigated area: 23.0 acres

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

Minimum required irrigated area (Step 4)	Available Irrigated Landscape (Step 1)
23.0 acres	1.41 acres

Toilet Use Feasibility

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

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

Projected Number of Daily Toilet Users: 188 (approximate # of parking stalls)

Project Type: Light Industrial

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

Total Area of Impervious Surfaces: 21.90 ac

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

Enter your TUTIA factor: 185

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

Minimum number of toilet users: 4,052

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

Minimum required Toilet Users (Step 4)	**Projected number of toilet users (Step 1)**
4,052	188

Other Non-Potable Use Feasibility

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

N/A

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

Average Daily Demand: N/A

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

Total Area of Impervious Surfaces: N/A

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

Enter the factor from Table 2-3: N/A

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

Minimum required use: N/A

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

Minimum required non-potable use (Step 4)	**Projected average daily use (Step 1)**
N/A	N/A

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

D.3 Bioretention and Biotreatment Assessment

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

Select one of the following:

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

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

D.4 Feasibility Assessment Summaries

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

Table D.2 LID Prioritization Summary Matrix

DMA Name/ID	LID BMP Hierarchy				Alternative Compliance (Modular Wetlands System)
	1. Infiltration	2. Harvest and use	3. Bioretention	4. Biotreatment	
A-1	☐	☐	☐	☐	☒
A-2	☐	☐	☐	☐	☒

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

D.5 LID BMP Sizing

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

Table D.3 DCV Calculations for LID BMPs

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Storm Depth (in)*	*Design Capture Volume, V_{BMP} (cubic feet)*	*Proposed Volume on Plans (cubic feet)**
	[A]		[B]	[C]	[A] x [C]			
A-1	953,964	Roofs/Conc/Asphalt	*1.00*	*0.89*	*850,935.9*	*0.63*	*44674.1*	*44,975*
A-2	50,094	Ornamental Landscaping	*0.10*	*0.11*	*5,533.3*	*0.63*	*290.5*	
	1,004,058				*856,469*	0.63	44,965	44,975

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

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

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

*Proposed volume = Installed Storage Volume + MWS Linear Static Capacity
= 44,546 cu-ft + 429 cu-ft = 44,975 cu-ft

Section E: Alternative Compliance (LID Waiver Program)

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

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

- *Or* -

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

E.1 Identify Pollutants of Concern

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

Table E.1 Potential Pollutants by Land Use Type

Priority Development Project Categories and/or Project Features (check those that apply)	General Pollutant Categories							
	Bacterial Indicators	Metals	Nutrients	Pesticides	Toxic Organic Compounds	Sediments	Trash & Debris	Oil & Grease
☐ Detached Residential Development	P	N	P	P	N	P	P	P
☐ Attached Residential Development	P	N	P	P	N	P	P	P(2)
☒ Commercial/Industrial Development	P(3)	P	P(1)	P(1)	P(5)	P(1)	P	P
☐ Automotive Repair Shops	N	P	N	N	P(4, 5)	N	P	P
☐ Restaurants (>5,000 ft²)	P	N	N	N	N	N	P	P
☐ Hillside Development (>5,000 ft²)	P	N	P	P	N	P	P	P
☒ Parking Lots (>5,000 ft²)	P(6)	P	P(1)	P(1)	P(4)	P(1)	P	P
☐ Retail Gasoline Outlets	N	P	N	N	P	N	P	P
Project Priority Pollutant(s) of Concern	☐	☒	☐	☐	☐	☐	☒	☒

P = Potential

N = Not Potential

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

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

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

(4) Specifically petroleum hydrocarbons

(5) Specifically solvents

(6) Bacterial indicators are routinely detected in pavement runoff

E.2 Stormwater Credits

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

Table E.2 Water Quality Credits

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

[1]Cannot Exceed 50%

[2]Obtain corresponding data from Table 3-8 in the WQMP Guidance Document

E.3 Sizing Criteria

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

Table E.3 Treatment Control BMP Sizing

DMA Type/ ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imp Fraction, I_f	DMA Runoff Factor	DMA Area x Runoff Factor				
	[A]		[B]	[C]	[A] x [C]				
N/A	*N/A*	*N/A*	*N/A*	*N/A*	*N/A*	*Design Storm Depth (in)*	*Minimum Design Capture Volume (cubic feet)*	*Total Storm Water Credit % Reduction*	*Proposed Volume or Flow on Plans (cubic feet or cfs)*

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

E.4 Treatment Control BMP Selection

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

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

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

Table E.4 Treatment Control BMP Selection

Selected Treatment Control BMP Name or ID[1]	Priority Pollutant(s) of Concern to Mitigate[2]	Removal Efficiency Percentage[3]
Modular Wetlands System	Metals	38%-69%
Modular Wetlands System	Trash & Debris/TSS	85%
Modular Wetlands System	Oil & Grease	95%

[1] Treatment Control BMPs must not be constructed within Receiving Waters. In addition, a proposed Treatment Control BMP may be listed more than once if they possess more than one qualifying pollutant removal efficiency.
[2] Cross Reference Table E.1 above to populate this column.
[3] As documented in a Co-Permittee Approved Study and provided in Appendix 6.

Section F: Hydromodification

F.1 Hydrologic Conditions of Concern (HCOC) Analysis

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

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

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

If Yes, HCOC criteria do not apply.

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

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

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

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

Table F.1 Hydrologic Conditions of Concern Summary

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

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

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

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

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

F.2 HCOC Mitigation

As an alternative to the HCOC Exemption Criteria above, HCOC criteria is considered mitigated if the project meets one of the following conditions, as indicated:

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

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

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

☐ d. None of the above.

All pertinent documentation used in analysis of the items a, b or c can be found in Appendix 7.

The project site is located within the exempted HCOC area, as presented in the April 20, 2017 approved Riverside County WAP Geodatabase/HCOC mapping as attached in Appendix 7.

Section G: Source Control BMPs

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

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

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

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

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

Table G.1 Permanent and Operational Source Control Measures

Potential Sources of Runoff pollutants	Permanent Structural Source Control BMPs	Operational Source Control BMPs
A. On-site storm drain inlets	• Mark all inlets with the words "Only Rain Down the Storm Drain" or similar. • Catch Basin Markers may be available from the Riverside County Flood Control and Water Conservation District, call 951.955.1200 to verify. • Inlets to be equipped with filter inserts	• Maintain and repaint (or replace) inlet stencils annually. • Filter inserts shall be inspected four times per year or following any rain event that would potentially accumulate a large amount of debris in the system. Replace boom twice per year, at a minimum. • Provide stormwater pollution prevention information to new site owners, lessees, or operators upon occupancy and annually thereafter. • See CASQA fact sheet SC-44 for "Drainage System Maintenance," included in Appendix 10 of this document. • Include the following lease agreements: "Tenant shall not allow anyone to discharge anything to storm drain or to store or deposit materials so as to create a potential discharge to storm drains." • See Appendix 10 for "Stormwater Pollution Solution Guide" brochure by EPA.
B. Interior floor drains and elevator shaft sump pumps	• Interior floor drains and elevator shaft sump pumps will be plumbed to sanitary sewer.	• Inspect and maintain drains semi-annually to prevent blockages and overflow.
D2. Landscape / Outdoor Pesticide Use	• Landscape plans will minimize irrigation and runoff, to promote surface infiltration where appropriate, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution. • Pest-resistant plans will be used adjacent to hardscape. • The landscape plans will consider plants appropriate to the site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant interactions.	• Maintenance shall be conducted by a landscape contractor on a weekly basis to verify that the irrigation system is functioning properly and to repair as needed. Landscape contractor will also verify that there are no leaks or run-off from landscaped areas. Adjust irrigation heads and system run times as necessary to prevent overwatering of vegetation, overspray or run-off from landscaped areas to ensure the health and aesthetic quality of the landscape. Mowing and trimming waste shall be properly removed from the site and herbicides, pesticides and fertilizers shall be properly applied to prevent storm drainage contamination. • Maintain landscaping only using minimum pesticides, when needed. • See Appendix 10 for "Landscape and Gardening" brochure by RCFlood. • Provide Integrated Pest Management (IPM) information to new owners, lessees and operators upon occupancy and annually thereafter. IPM is an effective and environmentally sensitive approach to pest management.

Potential Sources of Runoff pollutants	Permanent Structural Source Control BMPs	Operational Source Control BMPs
G. Refuse Areas	• Site refuse will be handled by contractor on a weekly basis. • Signs will be posted on or near dumpsters with the words "Do not dump hazardous materials here" or similar.	• A minimum of two receptacles will be provided and located outdoors. Receptacles are to be inspected daily and repairs or replacements to leaky receptacles will be completed immediately. Receptacles are to remain covered when not in use. Dumping of liquid or hazardous wastes is prohibited. A "no hazardous materials" sign will be posted. Spills will be cleaned immediately upon discovery. Spill control materials will be available onsite. • See Appendix 10 for CASQA fact sheet SC-34 for "Waste Handling and Disposal." Maintain cover to keep rain out.
H. Industrial processes	• All process activities to be performed indoors. No processes to drain to exterior or to storm drain system.	• See Appendix 10 for CASQA fact sheet SC-10 for "Non-Stormwater Discharges". • See Appendix 10 for brochure "Industrial & Commercial Facilities Best Management Practices for: Industrial, Commercial Facilities".
M. Loading Docks	• Spills will be cleaned up immediately and disposed of properly.	• Move loaded and unloaded items indoors as soon as possible. • Clean up spills immediately and keep spills from entering storm drain system. No discharges of wastewater or cleanup water from maintenance of loading docks into the storm drain system. Area shall be inspected weekly for proper containment and practices with spills cleaned up immediately and disposed of properly. Areas under "dock high" doors shall be swept daily. • See Appendix 10 for CASQA fact sheet SC-30 for "Outdoor Loading and Unloading".
O. Miscellaneous Drain or Wash Water or Other Sources	• Drainage sumps on-site shall feature a sediment sump to reduce the quantity of sediment in pumped water.	
P. Plazas, sidewalks, and parking lots		• Sweep plazas, sidewalks, and parking lots monthly to prevent accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect washwater containing any cleaning agent or degreaser and discharge to the sanitary sewer not to a storm drain.

Section H: Construction Plan Checklist

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

Table H.1 Construction Plan Cross-reference

BMP No. or ID	BMP Identifier and Description	Corresponding Plan Sheet(s)	Latitude	Longitude
A	On-site storm drain inlets	Conceptual Grading Plan Sheets 5 and 6	---	---
B	Interior floor drains and elevator shaft sump pumps	N/A	---	---
D2	Landscape / Outdoor Pesticide Use	On-site Landscape Improvement Plans	---	---
G	Refuse Areas	Conceptual Grading Plan Sheets 1 and 2	---	---
H	Industrial processes	Grading Plans (indoors, if any)	---	---
M	Loading Docks	Conceptual Grading Plan Sheets 1 and 2	---	---
P	Plazas, sidewalks, and parking lots	Conceptual Grading Plan Sheets 1 and 2	---	---
MWS-A	Modular Wetlands System	Conceptual Grading Plan Sheets 2 and 6	33.858871	-117.236103
STC-A	Underground Detention	Conceptual Grading Plan Sheets 2 and 6	33.858949	-117.235428
CDS-A	Hydrodynamic Separator	Conceptual Grading Plan Sheets 2 and 6	33.858903	-117.235624

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

This section will be completed and addressed at the time of the final WQMP Submittal.

Section I: Operation, Maintenance and Funding

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

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

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

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

Maintenance Mechanism: Water Quality Management Plan and Urban Runoff BMP Transfer, Access and Maintenance Agreement

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

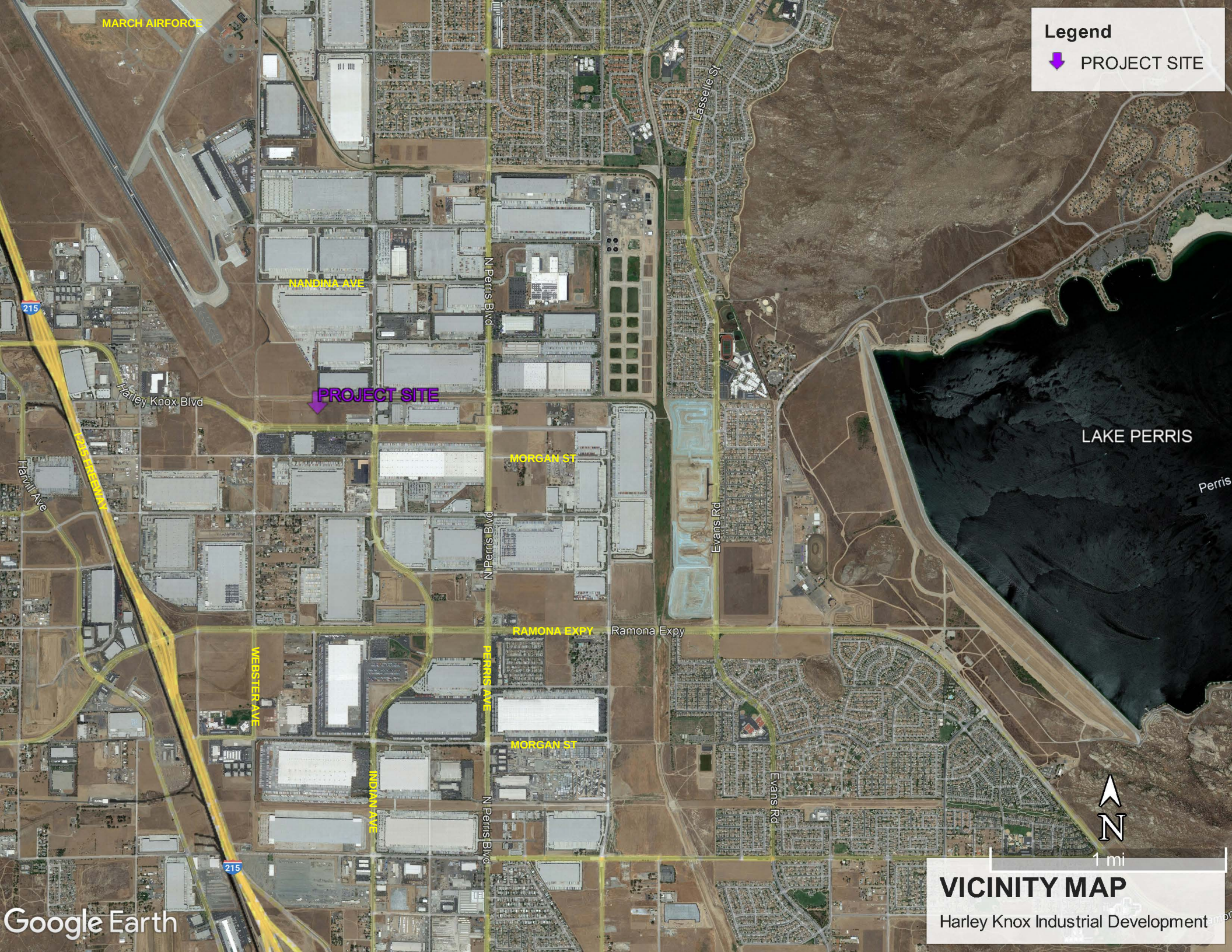
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Include your Operation and Maintenance Plan and Maintenance Mechanism in Appendix 9. Additionally, include all pertinent forms of educational materials for those personnel that will be maintaining the proposed BMPs within this Project-Specific WQMP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

This section will be completed and addressed at the time of the final WQMP Submittal.

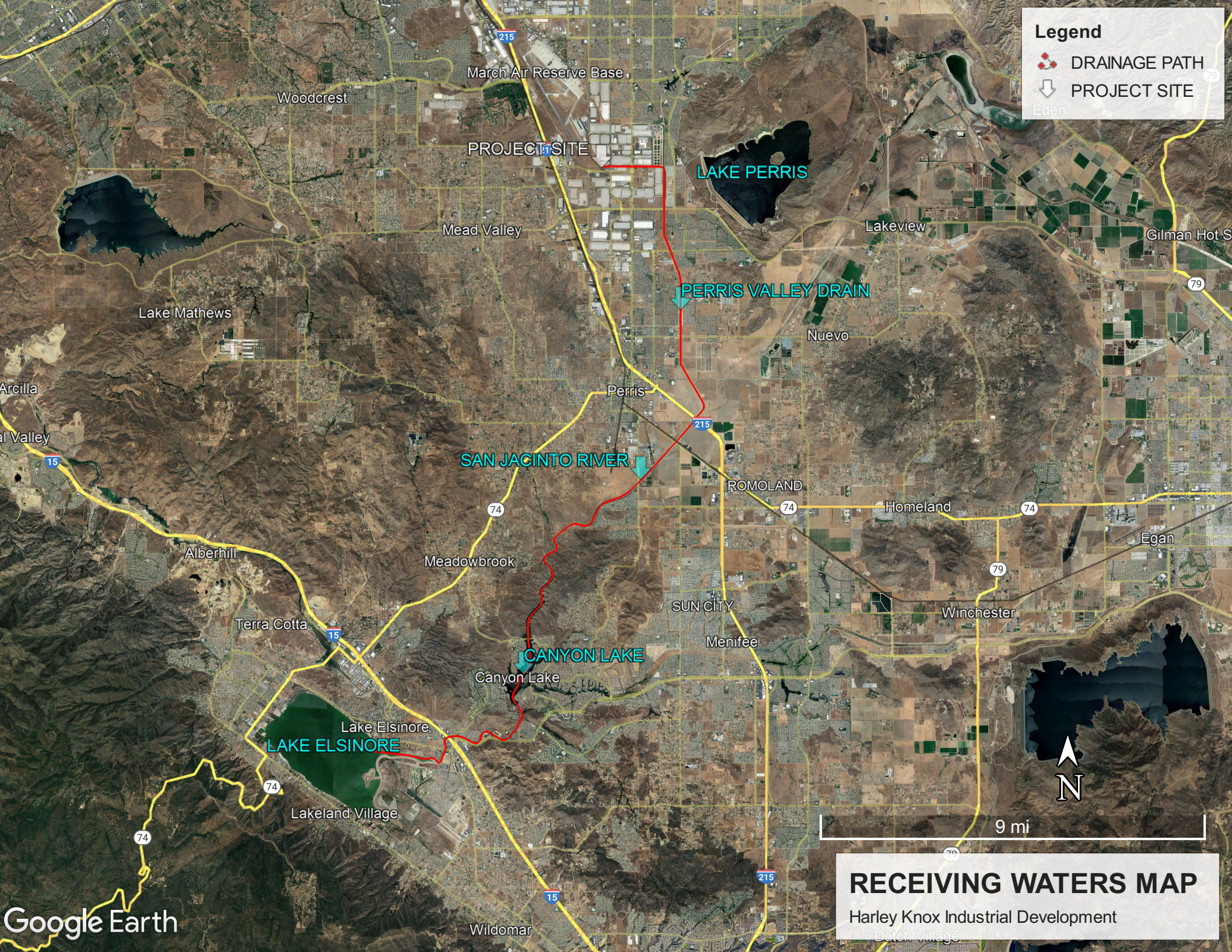
Appendix 1: Maps and Site Plans

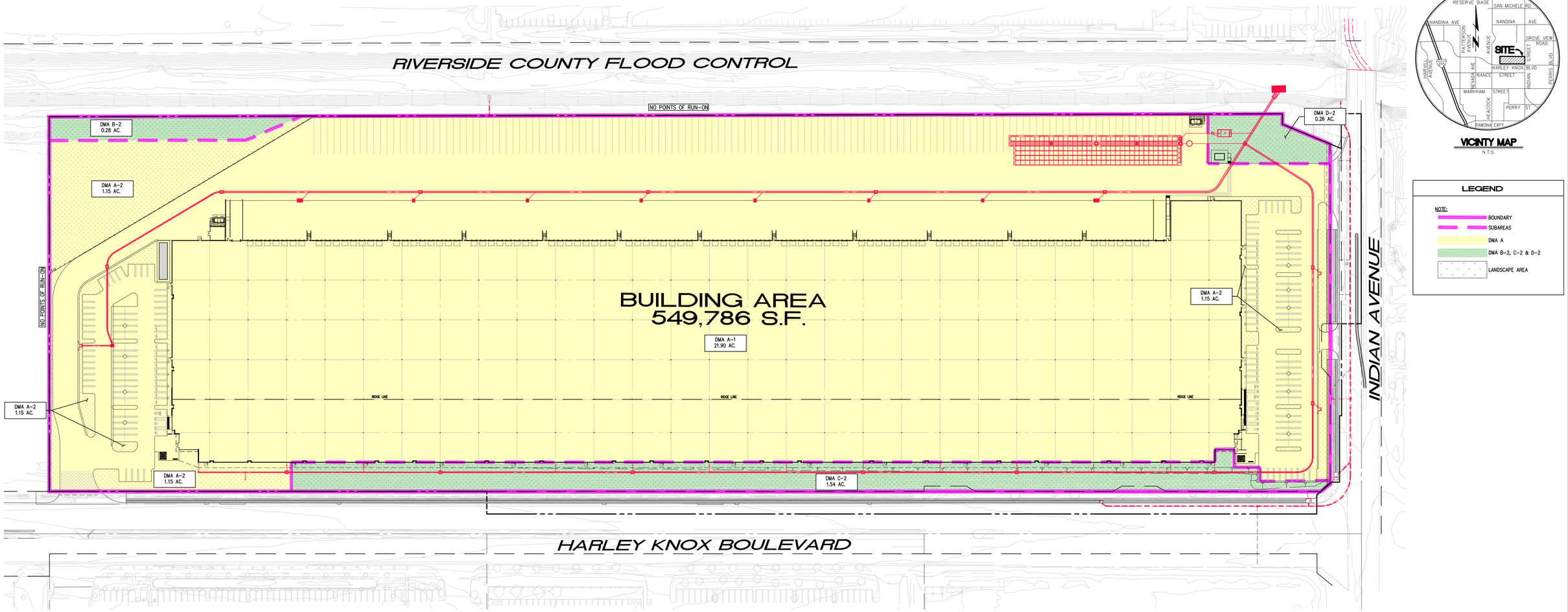
Location Map, WQMP Site Plan and Receiving Waters Map



VICINITY MAP

Harley Knox Industrial Development


Legend
DRAINAGE PATH
PROJECT SITE
March Air Reserve Base
Woodcrest
PROJECT SITE
LAKE PERRIS
Mead Valley
Lakeview
Gilman Hot S
PERRIS VALLEY DRAIN
Lake Mathews
Nuevo
Arcilla
Perris
SAN JACINTO RIVER
ROMOLAND
Homeland
Egan
Alberhill
Meadowbrook
SUN CITY
Winchester
Terra Cotta
Menifee
CANYON LAKE
Canyon Lake
Lake Elsinore
LAKE ELSINORE
Lakeland Village
Wildomar
N
9 mi
Google Earth
RECEIVING WATERS MAP
Harley Knox Industrial Development



VICINITY MAP
N.T.S.

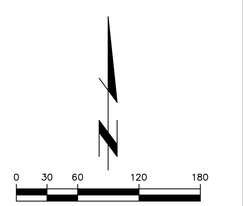
LEGEND

NOTE:

- BOUNDARY
- SUBAREAS
- DMA A
- DMA B-2, C-2 & D-2
- LANDSCAPE AREA

DMA Name or ID	Surface Type(s)1	Area (Sq. Ft.)	Area (Acres)	DMA Type
A-1	Roofs/Conc/Asphalt	953,964	21.90	Type D
A-2	Ornamental Landscaping	50,094	1.15	Type D
B-2	Ornamental Landscaping	12,197	0.28	Type A
C-2	Ornamental Landscaping	67,082	1.54	Type A
D-2	Ornamental Landscaping	11,326	0.26	Type A

SUMMARY TABLE								
			MODULAR WETLANDS SYSTEM (MWS)		MC-3500 STORMTECH CHAMBERS			
DMA	AREA (ACRES)	DCV (CF)	MWS MODEL	LINEAR STATIC CAPACITY (CF)	DETENTION REQUIRED (CF)	DETENTION PROVIDED (CF)	# OF CHAMBERS	TOTAL VOLUME PROVIDED (CF)
A	23.05	44,965	MWS-L-10-20	429	44,536	44,546	204	44,975
TOTAL	23.05	44,965		429	44,536	44,546	204	44,975



SCALE: 1"=60'

Last Update: 1/11/24
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CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

POST-CONSTRUCTION BMP SITE PLAN DMA PLAN

HARLEY KNOX INDUSTRIAL DEVELOPMENT

657 HARLEY KNOX BOULEVARD
PERRIS, CA 92571

P22-00026

PREPARED FOR:
First Industrial Realty Trust, Inc.
898 N. Pacific Coast Highway Blvd., Suite 175
El Segundo, CA 90245
PHONE: (310) 414-5400

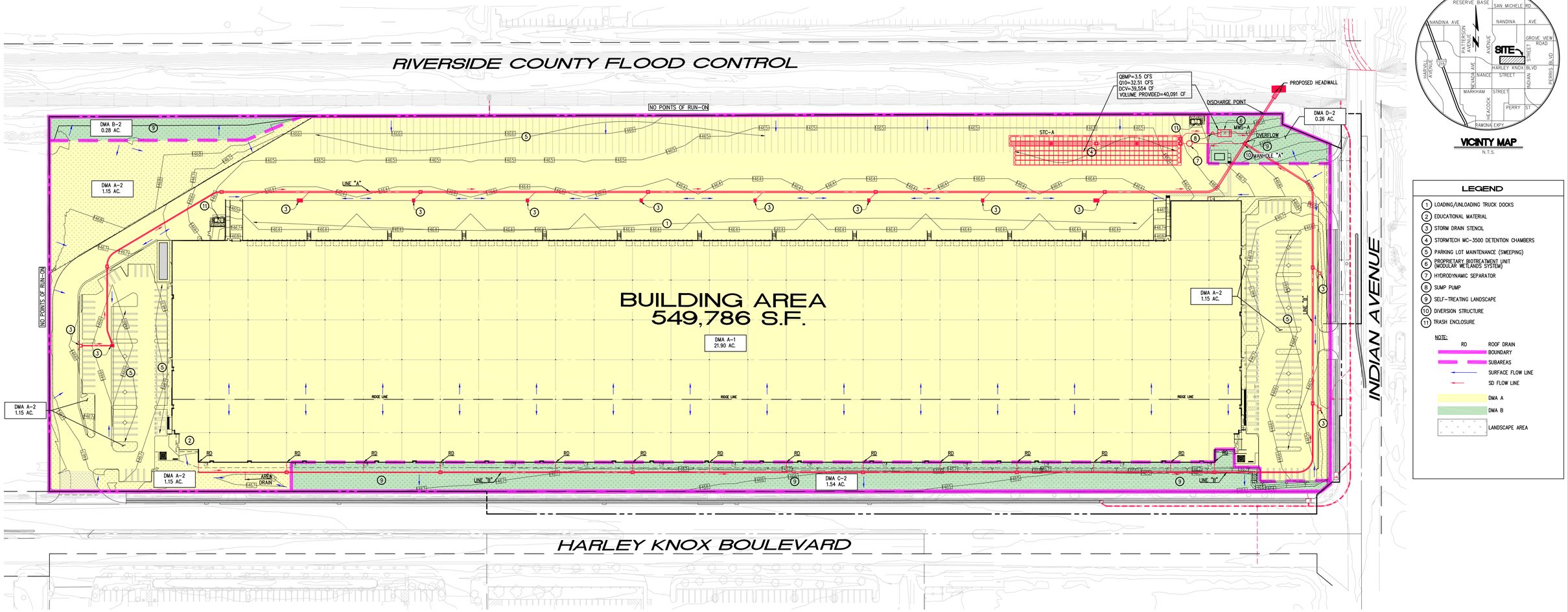
PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH:(714)521-4811 FAX(714)521-4173

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. _____

Sheet 1 of 1 Sheets

4066/ 1 OF 1 SHEET



VICINITY MAP
N.T.S.

LEGEND

1. LOADING/UNLOADING TRUCK DOCKS
2. EDUCATIONAL MATERIAL
3. STORM DRAIN STENCIL
4. STORMTECH MC-3500 DETENTION CHAMBERS
5. PARKING LOT MAINTENANCE (SWEEPING)
6. PROPRIETARY BIOTREATMENT UNIT (MODULAR WETLANDS SYSTEM)
7. HYDRODYNAMIC SEPARATOR
8. SUMP PUMP
9. SELF-TREATING LANDSCAPE
10. DIVERSION STRUCTURE
11. TRASH ENCLOSURE

NOTE:

RD ROOF DRAIN
BOUNDARY
SUBAREAS
SURFACE FLOW LINE
SD FLOW LINE
DMA A
DMA B
LANDSCAPE AREA

SUMMARY TABLE

DMA	AREA (ACRES)	DCV (CF)	MODULAR WETLANDS SYSTEM (MWS) MWS MODEL	MWS LINEAR STATIC CAPACITY (CF)	MC-3500 STORMTECH CHAMBERS DETENTION REQUIRED (CF)	DETENTION PROVIDED (CF)	# OF CHAMBERS	TOTAL VOLUME PROVIDED (CF)
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0 30 60 120 180

SCALE: 1"=60'

Last Update: 1/11/24
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CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

POST-CONSTRUCTION BMP SITE PLAN

HARLEY KNOX INDUSTRIAL DEVELOPMENT
657 HARLEY KNOX BOULEVARD
PERRIS, CA 92571

P22-00026

PREPARED FOR:
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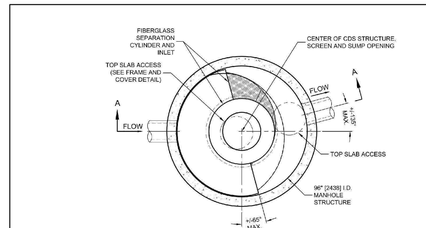
PREPARED BY:
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14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

Designed by _____ Date _____
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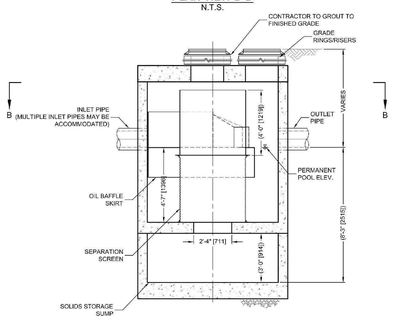
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Public Works Director _____ R.C.E. _____

Sheet 1 of 2 Sheets

4066 / 1 OF 2 SHEET

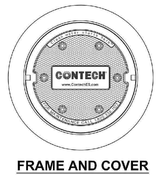


PLAN VIEW B-B
N.T.S.



ELEVATION A-A
N.T.S.

CDS4040-8-C DESIGN NOTES
CDS4040-8-C RATED TREATMENT CAPACITY IS 6.0 CFS [169.9 L/s], OR PER LOCAL REGULATIONS. MAXIMUM HYDRAULIC INTERNAL BYPASS CAPACITY IS 30.0 CFS [850 L/s]. IF THE SITE CONDITIONS EXCEED 30.0 CFS [850 L/s], AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.
THE STANDARD CDS4040-8-C CONFIGURATION IS SHOWN. ALTERNATE CONFIGURATIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONFIGURATIONS MAY BE COMBINED TO SUIT SITE REQUIREMENTS.
CONFIGURATION DESCRIPTION
GRATED INLET ONLY (NO INLET PIPE)
GRATED INLET WITH INLET PIPE OR PIPES
CURB INLET ONLY (NO INLET PIPE)
CURB INLET WITH INLET PIPE OR PIPES
SEPARATE O/L BAFFLE (SINGLE INLET PIPE REQUIRED FOR THIS CONFIGURATION)
SEDIMENT WEIR FOR NUDEP / NJCAT CONFORMING UNITS



FRAME AND COVER
(DIAMETER VARIES)
N.T.S.

SITE SPECIFIC DATA REQUIREMENTS

STRUCTURE ID			
WATER QUALITY FLOW RATE (CFS OR L/s)			*
PEAK FLOW RATE (CFS OR L/s)			*
RETURN PERIOD OF PEAK FLOW (YRS)			*
SCREEN APERTURE (2400 OR 4700)			*
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	*	*	*
INLET PIPE 2	*	*	*
OUTLET PIPE	*	*	*
RIM ELEVATION			*
ANTI-FLOTATION BALLAST		WIDTH	HEIGHT
		*	*

NOTES/SPECIAL REQUIREMENTS:

* PER ENGINEER OF RECORD

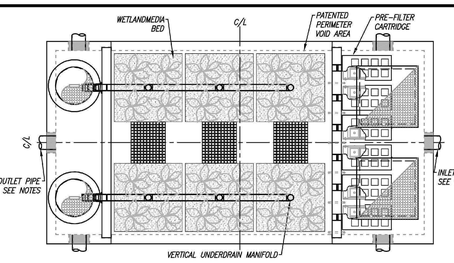
GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. DIMENSIONS MARKED WITH ( ) ARE REFERENCE DIMENSIONS. ACTUAL DIMENSIONS MAY VARY.
3. FOR FABRICATION DRAWINGS WITH DETAILED STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. www.ContechES.com
4. CDS WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
5. STRUCTURE SHALL MEET AASHTO HS20 AND CASTINGS SHALL MEET HS20 (AASHTO M 306) LOAD RATING, ASSUMING GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION.
6. PVC HYDRAULIC SHEAR PLATE IS PLACED ON SHELF AT BOTTOM OF SCREEN CYLINDER. REMOVE AND REPLACE AS NECESSARY DURING MAINTENANCE CLEANING.

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CDS MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO ADD JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
D. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
E. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.

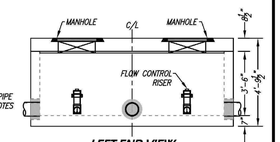
CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com
6020 Cornerstone Parkway, Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

CDS4040-8-C
INLINE CDS
STANDARD DETAIL

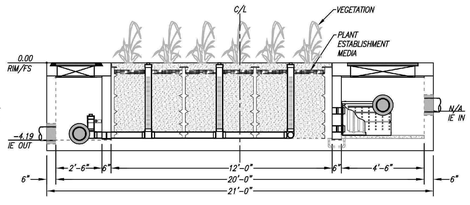
SITE SPECIFIC DATA			
PROJECT NUMBER		----	
PROJECT NAME		----	
PROJECT LOCATION		----	
STRUCTURE ID		----	
TREATMENT REQUIRED			
VOLUME BASED (CF)		FLOW BASED (CFS)	
15000		---	
TREATMENT HGL AVAILABLE (FT)			---
PEAK BYPASS REQUIRED (CFS) – IF APPLICABLE			---
PIPE DATA	I.E.	MATERIAL	DIAMETER
INLET PIPE 1	N/A	PVC	4"
INLET PIPE 2	N/A	PVC	2"
OUTLET PIPE	-4.19	PVC	8"
	PRETREATMENT	BIOFILTRATION	DISCHARGE
RIM ELEVATION	0.00	0.00	0.00
SURFACE LOAD	PEDESTRIAN	N/A	PEDESTRIAN
FRAME & COVER	(2) 36"X36"	N/A	(2) #24"
WETLANDMEDIA VOLUME (CY)			12.49
ORIFICE SIZE (DIA. INCHES)			1.89
NOTES: PRELIMINARY, NOT FOR CONSTRUCTION.			



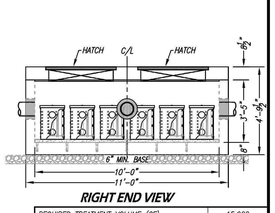
PLAN VIEW



LEFT END VIEW



ELEVATION VIEW



RIGHT END VIEW

INSTALLATION NOTES
1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS' SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
4. CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATERTIGHT PER MANUFACTURER'S STANDARD CONNECTION DETAIL.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL PIPES, RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO USE GROUT AND/OR BRICKS TO MATCH COVERS WITH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
6. VEGETATION SUPPLIED AND INSTALLED BY OTHERS. ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND INSTALLED BY OTHERS.
7. CONTRACTOR RESPONSIBLE FOR CONTACTING BIO CLEAN FOR ACTIVATION OF UNIT. MANUFACTURER'S WARRANTY IS VOID WITHOUT PROPER ACTIVATION BY A BIO CLEAN REPRESENTATIVE.

GENERAL NOTES
1. MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT BIO CLEAN.

MODULAR WETLANDS
FLOW-BASED STORMWATER TREATMENT SYSTEMS
www.modularwetlands.com

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CONTECH ENGINEERED SOLUTIONS LLC
www.ContechES.com

MWS-L-10-20-4'-1"-V
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

REQUIRED TREATMENT VOLUME (CF)	15,000
DRAINDOWN DURATION (HOURS)	24
AVERAGE DISCHARGE RATE PER MWS UNIT(GPM)	78.50
OPERATING HEAD (FT)	3.4
WETLANDMEDIA INFILTRATION RATE (IN/HR)	28
WETLANDMEDIA LOADING RATE (GPM/SF)	OR 0.26

StormTech® MC-3500 Chamber

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots, thus maximizing land usage for private (commercial) and public applications. StormTech chambers can also be used in conjunction with Green Infrastructure, thus enhancing the performance and extending the service life of these practices.



Nominal Chamber Specifications
(not to scale)

Size (L x W x H)
90" x 77" x 45"
2286 mm x 1956 mm x 1143 mm

Chamber Storage
109.9 ft³ (3.11 m³)

Min. Installed Storage*
175.0 ft³ (4.96 m³)

Weight
134 lbs (60.8 kg)

Shipping
15 chambers/pallet
7 end caps/pallet
7 pallets/truck

*Assumes a minimum of 12" (300 mm) of stone above, 9" (230 mm) of stone below chambers, 6" (150 mm) of stone between chambers/ end caps and 40% stone porosity.

Nominal End Cap Specifications
(not to scale)

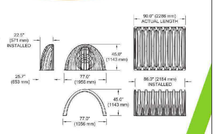
Size (L x W x H)
26.5" x 71" x 45.1"
673 mm x 1803 mm x 1145 mm

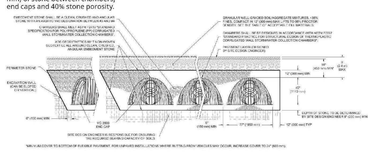
End Cap Storage
14.9 ft³ (0.42 m³)

Min. Installed Storage*
45.1 ft³ (1.28 m³)

Weight
49 lbs (22.2 kg)

*Assumes a minimum of 12" (300 mm) of stone above, 9" (230 mm) of stone below, 6" (150 mm) of stone perimeter, 6" (150 mm) of stone between chambers/ end caps and 40% stone porosity.





StormTech MC-3500 Specifications

Storage Volume Per Chamber

	Bare Chamber Storage ft³ (m³)	Chamber and Stone Foundation Depth in. (mm)			
		9 in (230 mm)	12 in (300 mm)	15 in (375 mm)	18 in (450 mm)
Chamber	109.9 (3.11)	175.0 (4.96)	179.9 (5.09)	184.9 (5.24)	189.9 (5.38)
End Cap	14.9 (0.42)	45.1 (1.28)	46.6 (1.32)	48.3 (1.37)	49.9 (1.41)

Note: Assumes 6" (150 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare chamber/end cap volume.

Amount of Stone Per Chamber

English Tons (yds³)	Stone Foundation Depth			
	9 in	12 in	15 in	18 in
Chamber	8.5 (6.0)	9.1 (6.5)	9.7 (6.9)	10.4 (7.4)
End Cap	3.9 (2.8)	4.1 (2.9)	4.3 (3.1)	4.5 (3.2)
Metric Kilograms (m³)	230 mm	300 mm	375 mm	450 mm
Chamber	7711 (4.6)	8255 (5.0)	8800 (5.3)	9435 (5.7)
End Cap	3538 (2.1)	3719 (2.2)	3901 (2.4)	4082 (2.5)

Note: Assumes 12" (300 mm) of stone above and 6" (150 mm) row spacing and 6" (150 mm) of perimeter stone in front of end caps.

Volume Excavation Per Chamber yd³ (m³)

	Stone Foundation Depth			
	9 in (230 mm)	12 in (300 mm)	15 in (375mm)	18 in (450 mm)
Chamber	11.9 (9.1)	12.4 (9.5)	12.8 (9.8)	13.3 (10.2)
End Cap	4.0 (3.1)	4.1 (3.3)	4.3 (3.3)	4.4 (3.4)

Note: Assumes 6" (150 mm) of separation between chamber rows and 24" (600 mm) of cover. The volume of excavation will vary as depth of cover increases.

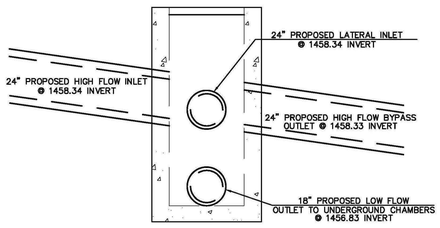
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Working on a project?
Visit us at adspipe.com/stormtech and utilize the Design Tool

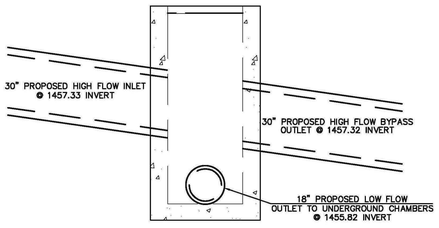
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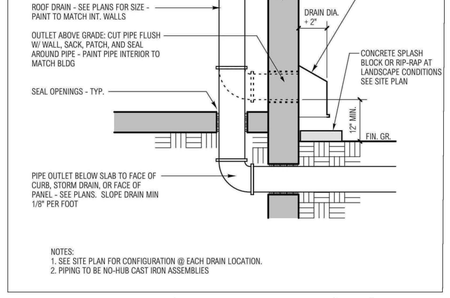
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DIVERSION MANHOLE "B"
N.T.S.

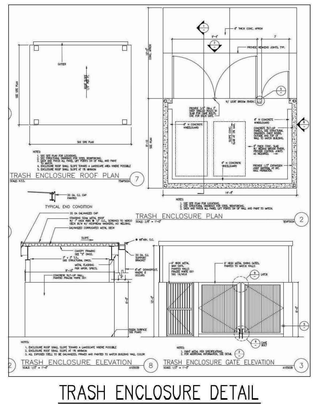


DIVERSION MANHOLE "A"
N.T.S.



NOTES:
1. SEE SITE PLAN FOR CONFIGURATION @ EACH DRAIN LOCATION.
2. PIPING TO BE NO-HUB CAST IRON ASSEMBLIES

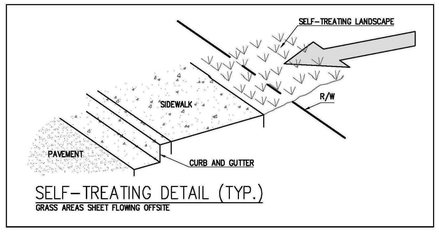
ROOF DRAIN/DOWNSPOUT DETAIL (TYP.)



TRASH ENCLOSURE DETAIL



SAMPLE STORM DRAIN STENCIL



SELF-TREATING DETAIL (TYP.)
GRASS AREAS SHEET FLOWING OFFSITE

Last Update: 1/11/24
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CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

POST-CONSTRUCTION BMP SITE PLAN DMA PLAN
HARLEY KNOX INDUSTRIAL DEVELOPMENT
657 HARLEY KNOX BOULEVARD
PERRIS, CA 92571
P22-00026

4066/ 2 OF 2 SHEET

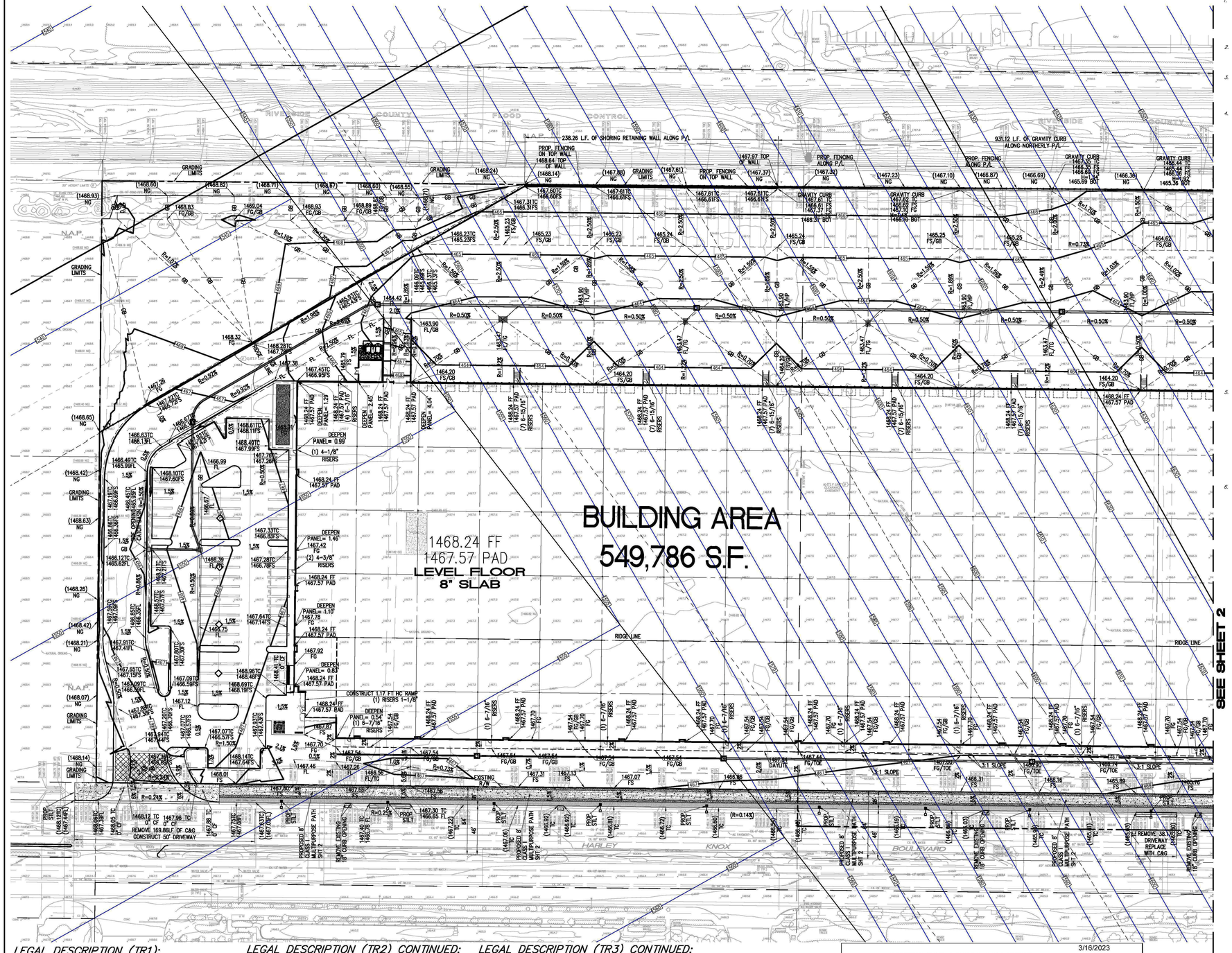
PREPARED FOR:
First Industrial Realty Trust, Inc.
898 N. Pacific Coast Highway Blvd., Suite 175
El Segundo, CA 90245
PHONE: (310) 414-5400

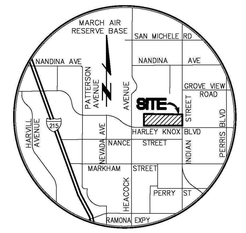
PREPARED BY:
Thienes Engineering, Inc.
CIVIL ENGINEERING * LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH.(714)521-4811 FAX(714)521-4173

Designed by		Approved by	Date
Date			
Checked by			
Date			
Designed by		Public Works Director	R.C.E.
Date			
Checked by			
Date		Sheet 2 of 2 Sheets	

Appendix 2: Construction Plans

Grading and Drainage Plans





VICINITY MAP

N.T.S.

SURVEYOR'S NOTES:

1. TITLE TO SAID ESTATE OR INTEREST AT THE DATE HEREOF IS VESTED IN:
   (TR1) YONG SOOK KIM, IN FEE
   (TR2) STEPHEN R. HERRING, TRUSTEE OF THE STEPHEN R. HERRING TRUST DATED 8-24-2021, IN FEE
   (TR3) LILY C. CERRATO, IN FEE
   (TR4) PERRIS HARLEY KNOX, LLC, A CALIFORNIA LIMITED LIABILITY COMPANY; IN FEE
2. PROJECT ADDRESS: (TR1) 657 HARLEY KNOX BOULEVARD; (TR4) 480 HARLEY KNOX BOULEVARD, PERRIS, CALIFORNIA
3. ASSESSOR'S PARCEL NUMBERS: (TR1) 302-020-043, 302-020-048; (TR2) 302-020-013, 302-020-028, 302-020-038; (TR3) 302-020-040; (TR4) 302-020-032
4. PARCEL AREAS:
   LAND DESCRIBED IN (TR1):

LEGAL DESCRIPTION FEE:	373,615 S.F./8.577 ACRES
EXISTING STREET AREA:	0 S.F./0.000 ACRES
EASEMENT(S) AREA:	47,542 S.F./1.091 ACRES
PROPOSED STREET AREA:	0 S.F./0.000 ACRES
NET AREA = FEE – STREET – EASEMENT:	326,073 S.F./7.486 ACRES

   LAND DESCRIBED IN PARCEL A (TR2):

LEGAL DESCRIPTION FEE:	149,512 S.F./3.432 ACRES
EXISTING STREET AREA:	6,807 S.F./0.156 ACRES
EASEMENT REMAINDER AREA:	199 S.F./0.005 ACRES
PROPOSED STREET AREA:	3,857 S.F./0.089 ACRES
NET AREA = FEE – STREET – EASEMENT:	138,649 S.F./3.183 ACRES

   LAND DESCRIBED IN PARCEL B (TR2):

LEGAL DESCRIPTION FEE:	397,027 S.F./9.114 ACRES
EXISTING STREET AREA:	22,440 S.F./0.515 ACRES
EASEMENT REMAINDER AREA:	101 S.F./0.002 ACRES
PROPOSED STREET AREA:	0 S.F./0.000 ACRES
NET AREA = FEE – STREET – EASEMENT:	374,486 S.F./8.597 ACRES

   LAND DESCRIBED IN (TR3):

LEGAL DESCRIPTION FEE:	56,368 S.F./1.294 ACRES
EXISTING STREET AREA:	2,700 S.F./0.062 ACRES
PROPOSED STREET AREA:	696 S.F./0.016 ACRES
NET AREA = FEE – STREET:	52,972 S.F./1.216 ACRES

   LAND DESCRIBED IN (TR4):

LEGAL DESCRIPTION FEE:	178,628 S.F./4.101 ACRES
EXISTING STREET AREA:	25,991 S.F./0.597 ACRES
PROPOSED STREET AREA:	0 S.F./0.000 ACRES
NET AREA = FEE – STREET:	152,637 S.F./3.504 ACRES

   SUM OF THE LAND DESCRIBED HEREON:

LEGAL DESCRIPTION FEE:	1,155,150 S.F./26.519 ACRES
EXISTING STREET AREA:	57,938 S.F./1.330 ACRES
EASEMENT AREA:	47,842 S.F./1.098 ACRES
PROPOSED STREET AREA:	4,553 S.F./0.105 ACRES
NET AREA = FEE – STREET – EASEMENT:	1,044,817 S.F./23.986 ACRES

5. ZONING INFORMATION:
   (THE FOLLOWING ZONE DESIGNATIONS ARE PER CITY OF PERRIS PLANNING DEPARTMENT)
   GENERAL PLAN DESIGNATION: PVCC SP – PERRIS VALLEY COMMERCE CENTER
   ZONE DESIGNATION: GENERAL INDUSTRIAL
   SPECIAL ZONE: MARCH AIR RESERVE BASE (MARB) ZONES A, B1, B2

   NOTE: FOLLOWING ARE SELECTED ZONING AND/OR DEVELOPMENT REQUIREMENTS OF PARTICULAR RELEVANCE TO THE PROPERTY SHOWN HEREON, AND SHOULD NOT BE CONSTRUED AS REPRESENTING THE TOTALITY OF SUCH REQUIREMENTS THAT MAY BE ASSOCIATED WITH SAID PROPERTY. IT IS RECOMMENDED THAT INTERESTED PARTIES CONSULT AN OFFICIAL COPY OF THE COMPLETE MUNICIPAL ZONING CODE, AS WELL AS ANY EXISTING AGREEMENTS OR OTHER SIMILAR DOCUMENTS, FOR A GREATER DEMONSTRATION OF THE REQUIREMENTS ASSOCIATED WITH THE PROPERTY SHOWN HEREON.
6. SELECTED ZONING REQUIREMENTS (GENERAL INDUSTRIAL):
   (THE FOLLOWING REQUIREMENTS ARE PER PERRIS VALLEY COMMERCE CENTER SPECIFIC PLAN AND/OR PERRIS MUNICIPAL CODE)
   1) BUILDING SETBACK REQUIREMENTS (SECTION 4.1, TABLE 4.0–1):
      A. FRONT YARD (ARTERIAL STREETS–HARLEY KNOX BLVD. & INDIAN AVE): 15 FEET MINIMUM
      B. SIDE YARD (ADJOINING NON–RESIDENTIAL): NONE
      C. STREET SIDE YARD (SEE FRONT YARD REQ.)
      D. REAR YARD (ADJOINING NON–RESIDENTIAL): NONE
   2) HEIGHT RESTRICTIONS (SECTION 4.1, TABLE 4.0–1):
      A. MAXIMUM STRUCTURE HEIGHT: 50 FEET. STRUCTURE HEIGHTS MAY BE INCREASED TO A MAXIMUM OF 100–FEET ABOVE GRADE, PROVIDED THAT THE FRONT AND STREET SIDE YARDS ARE INCREASED AT LEAST (1) ONE–FOOT FOR EVERY (1) ONE–FOOT OF HEIGHT INCREASE BEYOND THE STANDARD SET FORTH IN SECTION 19.44.030 (PERRIS MUNICIPAL CODE) AND PROVIDED THAT SIDE AND REAR YARD SETBACKS ARE INCREASED BY (1) ONE–FOOT FOR EVERY (2) TWO–FOOT INCREASE BEYOND THE STANDARD SET FORTH IN SECTION 19.44.030.
      B. MAXIMUM STRUCTURE HEIGHT AT SETBACK: 20 FEET
   3) LOT AREA, WIDTH AND DEPTH (SECTION 4.1, TABLE 4.0–1):
      A. THE MINIMUM LOT AREA SHALL BE 15,000 S.F.
      B. MINIMUM LOT FRONTAGE: 75 FEET
      C. MINIMUM LOT WIDTH: 75 FEET
      D. MINIMUM LOT DEPTH: 100 FEET
   4) MAXIMUM STRUCTURE SIZE/FLOOR AREA RATIO (FAR) (SECTION 4.1, TABLE 4.0–1):
      A. 0.75 FAR
      B. MINIMUM STRUCTURE SEPARATION: NONE
   5) MAXIMUM LOT COVERAGE BY STRUCTURE (SECTION 4.1, TABLE 4.0–1):
      A. 50% OF LOT
   6) MINIMUM LANDSCAPE COVERAGE (SECTION 4.1, TABLE 4.0–1):
      A. 12% COVERAGE
   7) HEIGHT RESTRICTIONS PER FEDERAL AVIATION REGULATIONS PART 77(SECTION 12.1.1):
      A. THE FEDERAL GOVERNMENT HAS DEVELOPED STANDARDS FOR DETERMINING OBSTRUCTIONS IN NAVIGABLE AIRSPACE. FEDERAL AVIATION REGULATIONS PART 77 DEFINES A VARIETY OF IMAGINARY SURFACES AT CERTAIN ALTITUDES AROUND AIRPORTS. THE PART 77 SURFACES INCLUDE THE PRIMARY SURFACE, APPROACH SURFACE, TRANSITIONAL SURFACE, HORIZONTAL SURFACE AND CONICAL SURFACE. COLLECTIVELY, THE PART 77 SURFACES AROUND AN AIRPORT DEFINE A BOWL–SHAPED AREA WITH RAMPS SLOPING UP FROM EACH RUNWAY END. THE PART 77 STANDARDS ARE NOT ABSOLUTE HEIGHT RESTRICTIONS, BUT INSTEAD IDENTIFY ELEVATIONS AT WHICH STRUCTURES MAY PRESENT A POTENTIAL SAFETY PROBLEM. PENETRATIONS OF THE PART 77 SURFACE GENERALLY ARE REVIEWED ON A CASE BY CASE BASIS.
      B. HEIGHT LIMITATIONS WITHIN THE AIRPORT OVERLAY ZONE MAY POSE A DEVELOPMENT CONSTRAINT FOR THE PERRIS VALLEY COMMERCE CENTER SPECIFIC PLAN AS REFLECTED ON FIGURE 12.0–2. SECTION D.2 OF THE APPENDICES TO THE 2005 MARB AIR INSTALLATION COMPATIBLE USE ZONE (AICUZ) STUDY DESCRIBES HEIGHT AND OBSTRUCTION CRITERIA FOR LAND USES AROUND THE AIRFIELD PURSUANT TO PART 77 CRITERIA.1 THIS SECTION STATES THAT THE ESTABLISHED AIRFIELD ELEVATION FOR MARB IS 1,535 FEET ABOVE MEAN SEA LEVEL. THERE ARE SEVERAL DIFFERENT CONTROL SURFACES AND PLANES THAT OVERLAY THE PERRIS VALLEY COMMERCE CENTER SPECIFIC PLAN, ALL OF WHICH HAVE DIFFERENT HEIGHT LIMITATIONS IMPOSED UPON THEM.
   8) PARKING SPACE REQUIREMENTS (SECTION 19.69.030 (D.2.) PERRIS MUNICIPAL CODE):
      A. INDUSTRIAL USES:
         1) MANUFACTURING: ONE SPACE FOR EVERY 500 SQUARE FEET OF MANUFACTURING BUILDING AREA, AND ONE SPACE FOR EVERY COMPANY VEHICLE, AND THE SPACE REQUIRED FOR ADDITIONAL USES ON THE SITE; OR ONE SPACE FOR EVERY EMPLOYEE, WHICHEVER IS LARGEST.
         2) WAREHOUSING: ONE SPACE PER 1,000 SQUARE FEET OF GROSS FLOOR AREA FOR THE FIRST 20,000 SQUARE FEET AND ONE SPACE PER 2,000 SQUARE FEET FOR THAT PORTION OVER 20,000 SQUARE FEET.
         3) HIGH–CUBE WAREHOUSING: ONE SPACE PER 1,000 SQUARE FEET OF GROSS FLOOR AREA FOR THE FIRST 20,000 SQUARE FEET, PLUS ONE SPACE PER 2,000 SQUARE FEET FOR THE SECOND 20,000 SQUARE FEET, PLUS ONE SPACE PER 5,000 SQUARE FEET FOR THAT PORTION OVER 40,000 SQUARE FEET. PARKING FOR OFFICE AREA COMPRISING LESS THAN TEN PERCENT OF THE TOTAL GROSS SQUARE FOOTAGE OF THE BUILDING SHALL BE INCLUDED IN THIS CALCULATION. OFFICE AREA OVER TEN PERCENT SHALL BE CALCULATED AT THE PROFESSIONAL OFFICE RATE. TRUCK AND TRAILER PARKING SHALL BE PROVIDED AT THE RATE OF ONE OVERSIZED SPACE FOR EVERY 5,000 SQUARE FEET OF GROSS FLOOR AREA. TRUCK DOCKS SHALL NOT BE INCLUDED IN THIS CALCULATION.
   9) LOADING REQUIREMENTS (SECTION 19.69.040 PERRIS MUNICIPAL CODE):
      LOADING SPACES SHALL NOT BE LESS THAN 10 FEET IN WIDTH, 20 FEET IN LENGTH, AND 14 FEET IN HEIGHT, EXCEPT FOR THOSE SPACES INTENDED FOR USE BY TRACTOR TRAILERS WHICH SHALL BE A MINIMUM OF 12 FEET IN WIDTH 45 FEET IN LENGTH AND 14 FEET IN HEIGHT.

      A. COMMERCIAL BUILDINGS:

BUILDING AREA (S.F.)	REQUIRED MINIMUM NO. OF LOADING SPACES
10,000–25,000	1
25,001–50,000	2
50,001–75,000	3
75,001–105,000	4
105,001 OR MORE	5

      B. INDUSTRIAL BUILDINGS:

BUILDING AREA (S.F.)	REQUIRED MINIMUM NO. OF LOADING SPACES
20,000–50,000	1
50,001–100,000	2
100,001–150,000	3
150,001 OR MORE	4

7. THE PROPERTY INDICATED HEREON IS SITUATED WITHIN THE FLOOD INSURANCE RATE MAP (F.I.R.M.) WITH MAP NO. 06065C1430H EFFECTIVE DATE: AUGUST 18, 2014, COMMUNITY NUMBER: 060258 FOR CITY OF PERRIS, PANEL NUMBER: 1430 SUFFIX: "H", LYING PARTIALLY WITHIN ZONE "X–UNSHADED" (AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AND PARTIALLY WITHIN ZONE "D" (AREAS IN WHICH FLOOD HAZARDS ARE UNDETERMINED, BUT POSSIBLE).
8. SUBJECT SITE DESCRIBED HEREON IS MADE UP OF SEVEN PARCELS, SIX OF WHICH CONSIST OF VACANT LAND, ONE PARCEL (TR4) (APN 302–020–032) IS CURRENTLY DEVELOPED WITH (1) ONE 1–STORY BUILDING, HAVING A TOTAL BUILDING PERIMETER FOOTPRINT AREA OF 41,680 SQ. F.T., WITH THE FOLLOWING PARKING SPACE COUNT:

   NUMBER OF REGULAR SPACES = 97
   NUMBER OF HANDICAP SPACES = 6

   TOTAL NUMBER OF PARKING SPACES = 103
9. GEOLOGICAL HAZARDS:
   A. ALQUIST–PRIOLO SPECIAL STUDIES ZONES:
      THE STATE OF CALIFORNIA HAS NOT PROVIDED SUFFICIENT INFORMATION TO DETERMINE IF THE SUBJECT PROPERTY IS OUTSIDE OF ANY ALQUIST PRIOLO SPECIAL STUDIES ZONES BECAUSE NO SPECIAL STUDIES ZONES OFFICIAL MAP FOR PERRIS QUADRANGLE HAS BEEN PUBLISHED AS OF THIS DATE.
   B. SEISMIC HAZARD ZONES:
      THE STATE OF CALIFORNIA HAS NOT PROVIDED SUFFICIENT INFORMATION TO DETERMINE IF THE SUBJECT PROPERTY IS OUTSIDE OF ANY ZONE REQUIRING INVESTIGATION FOR LIQUEFACTION OR FOR EARTHQUAKE–INDUCED LANDSLIDES BECAUSE NO SEISMIC HAZARD ZONES OFFICIAL MAP FOR PERRIS QUADRANGLE HAS BEEN PUBLISHED AS OF THIS DATE.

LEGAL DESCRIPTION (TR1):

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

LOT 3 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER MAP RECORDED IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY.

EXCEPTING THEREFROM THE SOUTH 30.00 FEET OF SAID LAND CONVEYED TO THE MARCH JOINT POWERS AUTHORITY BY GRANT DEED RECORDED OCTOBER 23, 2001 AS INSTRUMENT NO. 01–515011 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, MORE PARTICULARLY DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED AUGUST 23, 2006 AS INSTRUMENT NO. 2006–0622040 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THAT PORTION OF SAID LAND CONVEYED TO THE CITY OF PERRIS, MORE PARTICULARLY DESCRIBED IN THAT CERTAIN DOCUMENT RECORDED AUGUST 11, 2011 AS INSTRUMENT NO. 2011–0352374 AND RE–RECORDED APRIL 12, 2012 AS INSTRUMENT NO. 2012– 0186697 BOTH OF OFFICIAL RECORDS.

FOR CONVEYANCING PURPOSES ONLY: APN 302–020–043 (PORTION OF LAND)
302–020–048 (PORTION OF LAND)

LEGAL DESCRIPTION (TR2):

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

PARCEL A:

THE NORTH ONE HALF OF LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA.

EXCEPT THAT PORTION LYING NORTH OF THE FOLLOWING DESCRIBED LINE:

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF SECTION 31, TOWNSHIP 3 SOUTH, RANGE 3 WEST SAN BERNARDINO BASE AND MERIDIAN AND THE EAST LINE OF WEBSTER AVENUE AS SHOWN BY RECORD OF SURVEY ON FILE IN BOOK 65, PAGES 54 THROUGH 62, INCLUSIVE, RECORDS OF SAID RIVERSIDE COUNTY; THENCE SOUTHERLY 110.00 FEET, MORE OR LESS, ALONG SAID EAST LINE OF WEBSTER AVENUE TO A POINT, BEING SOUTH 200.00 FEET, MORE OR LESS, SAID EAST LINE FROM THE NORTH LINE OF THE PERRIS VALLEY STORM CHANNEL, ALSO BEING THE NORTH RIGHT OF WAY LINE OF THE PERRIS VALLEY STORM CHANNEL (SEE ABOVE RIGHT)

LEGAL DESCRIPTION (TR2) CONTINUED:

RIGHT OF WAY LINE OF THE PERRIS VALLEY STORM CHANNEL, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF PARCEL 11 OF THE PERRIS CITY ANNEXATION NUMBER 14 AS DESCRIBED IN ORDINANCE NUMBER 270, ADOPTED ON DECEMBER 17, 1963, RECORDS OF SAID CITY OF PERRIS; THENCE EASTERLY AND PARALLEL WITH SAID NORTH RIGHT OF WAY LINE OF THE PERRIS VALLEY STORM CHANNEL, ALSO BEING SAID NORTH LINE OF SAID PARCEL 11 A DISTANCE OF 2731.69 FEET, KNOWN HEREIN AS COURSE "A", TO THE CENTERLINE OF INDIAN STREET AS SHOWN ON SAID RECORD OF SURVEY.

PARCEL B:

LOT 2 OF BLOCK 3 OF RIVERSIDE TRACT, AS SHOWN BY MAP ON FILE IN BOOK 14 PAGE 668 OF MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

EXCEPTING THEREFROM THAT PORTION OF PROPERTY CONVEYED TO RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, RECORDED ON JUNE 08, 2004 AS INSTRUMENT NO. 2004–0436244 OF OFFICIAL RECORDS.

ALSO EXCEPTING THEREFROM THE SOUTH 30.00 FEET OF SAID LAND CONVEYED TO THE MARCH JOINT POWERS AUTHORITY BY GRANT DEED RECORDED OCTOBER 3, 2001 AS INSTRUMENT NO. 2001–480218 OF OFFICIAL RECORDS.

FOR CONVEYANCING PURPOSES ONLY: APN 302–020–013 (AFFECTS: PARCEL A) APN 302–020–028 (AFFECTS: PORTION OF PARCEL B)
APN 302–020–038 (AFFECTS: PORTION OF PARCEL B)

LEGAL DESCRIPTION (TR3):

REAL PROPERTY IN THE CITY OF PERRIS, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, DESCRIBED AS FOLLOWS:

LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE(S) 668, OF MAPS, RECORDS OF SAN DIEGO COUNTY, CALIFORNIA, EXCEPTING THAT PORTION LYING SOUTH OF THE FOLLOWING DESCRIBED LINE:

BEGINNING AT THE INTERSECTION OF THE SOUTH LINE OF SAID SECTION 31 AND THE EAST LINE OF WEBSTER AVENUE AS SHOWN BY RECORD OF SURVEY ON FILE IN BOOK 65, PAGE 54, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA;

THENCE SOUTHERLY 110.00 FEET, MORE OR LESS, ALONG SAID EAST LINE OF WEBSTER AVENUE TO A POINT, BEING SOUTH 200.00 FEET, MORE OR LESS, ALONG SAID EAST LINE FROM THE NORTH LINE OF THE PERRIS CITY LIMITS, SAID NORTH LINE ALSO BEING THE NORTH RIGHT OF WAY LINE OF THE PERRIS VALLEY STORM CHANNEL, SAID POINT ALSO BEING THE SOUTHWEST CORNER OF PARCEL 11 OF THE PERRIS CITY

LEGAL DESCRIPTION (TR3) CONTINUED:

ANNEXATION NUMBER 14 AS DESCRIBED IN ORDINANCE NUMBER 270, ADOPTED DECEMBER 17, 1963, RECORDS OF SAID CITY OF PERRIS;

THENCE EASTERLY AND PARALLEL WITH SAID NORTH RIGHT(S) OF WAY LINE OF THE PERRIS VALLEY STORM CHANNEL, ALSO BEING SAID NORTH LINE OF SAID PARCEL 11 A DISTANCE OF 2731.69 FEET, KNOWN HEREIN AS COURSE "A", TO THE CENTERLINE OF INDIAN STREET AS SHOWN ON SAID RECORD OF SURVEY.

ALSO EXCEPTING THEREFROM THAT PORTION CONVEYED TO THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT BY DEED RECORDED AUGUST 18, 2004 AS INSTRUMENT NO. 04,645812 OF OFFICIAL RECORDS.

APN: 302–020–040

LEGAL DESCRIPTION (TR4):

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

THE SOUTH ½ OF LOT 1 IN BLOCK 3 OF RIVERSIDE TRACT, AS SHOWN BY MAP ON FILE IN BOOK 14, PAGE 668 OF MAPS, RECORDS OF SAN DIEGO COUNTY, EXCEPT THAT PORTION DESCRIBED AS FOLLOWS:

BEGINNING AT THE SOUTHEAST CORNER OF SAID LOT 1, SAID SOUTHEAST CORNER BEING A POINT ON THE WEST LINE OF INDIAN AVENUE, 60.00 FEET WIDE; THENCE NORTH 89° 23' 55" WEST ALONG THE SOUTH LINE OF SAID LOT 1, A DISTANCE OF 629.62 FEET TO THE SOUTHWEST CORNER OF SAID LOT 1; THENCE NORTH 00° 31' 27" EAST ALONG THE WEST LINE OF SAID LOT 1, A DISTANCE OF 30.00 FEET OF THE NORTH LINE OF THE SOUTH 30.00 FEET OF SAID LOT 1;

THENCE SOUTH 89° 23' 55" EAST ALONG SAID NORTH LINE, A DISTANCE OF 592.59 FEET; THENCE NORTH 00° 36' 05" EAST A DISTANCE OF 29.00 FEET; THENCE NORTH 51° 00' 35" EAST A DISTANCE OF 29.85 FEET; THENCE SOUTH 89° 23' 09" EAST A DISTANCE OF 11.00 FEET TO THE WEST LINE OF THE EAST 3.00 FEET OF SAID LOT 1; THENCE NORTH 00° 32' 51" EAST ALONG THE WEST LINE OF THE EAST 3.00 FEET OF SAID LOT 1, A DISTANCE OF 100.00 FEET; THENCE SOUTH 89° 27' 09" EAST, A DISTANCE OF 3.00 FEET TO THE EAST LINE OF SAID LOT 1; THENCE SOUTH 00° 32' 51" WEST ALONG THE EAST LINE OF SAID LOT 1, A DISTANCE OF 178.03 FEET TO THE POINT OF BEGINNING.

FOR CONVEYANCING PURPOSES ONLY: APN 302–020–032

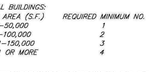
3/16/2023

EARTHWORK BALANCE CALCULATIONS

PROJECT: First Industrial Harley Knox
JOB#: 4066 - Option A

K.	SITE AREA:	1,089,873	SF
L.	SUBSIDENCE FACTOR:	0.13	FT
M.	SHRINKAGE FACTOR:	10.0	%
N.	SITE STRIPPING FACTOR:	0.04	
O.	OVEREXCAVATION:	94,550	CY
A.	CALCULATED CUT:	37,898	CY
B.	FOOTING AND ONSITE UTILITY SPOILS	7,837	CY
Ba.	OFFSITE SPOILS (STREET AND UTILITIES)		
C.	**TOTAL CUT: (A+B)**	45,735	CY
D.	CALCULATED FILL:	24,958	CY
E.	LIGHT PAVING FILL:	-	CY
F.	SUBSIDENCE: (LxK)/27=	5,069	CY
G.	SHRINKAGE: (M/100)C=	4,594	CY
H.	SITE STRIPPING	1,615	
I.	OVEREXCAVATION SHRINKAGE	9,498	CY
J.	**TOTAL FILL: (D+E+F+G+H)=**	45,735	CY
Q.	**TOTAL (IMPORT) OR EXPORT:**	(0)	CY
	SITE ADJUSTMENT	(0.00)	

FEDERAL AVIATION SURFACES:



CONTOURS OF THE "RUNWAYS SURFACE" OF THE MARCH AIR RESERVE BASE, CONSITIUE A SITE HEIGHT RESTRICTION AS DESCRIBED HEREON IN SURVEYOR'S NOTES 6.7 PARTS A & B.

OPTION A

SHEET INDEX:

SHEET 1&2 – CONCEPTUAL GRADING PLAN
SHEET 3&4 – CONCEPTUAL UTILITY PLAN
SHEET 5&6 – CONCEPTUAL STORM DRAIN PLAN
SHEET 7–8 – CONCEPTUAL STORM DRAIN AND SEWER PROFILES
SHEET 9 – CONCEPTUAL STREET LAYOUT FOR INDIAN AVENUE

PREPARED FOR:
First Industrial Realty Trust, Inc.
898 N. Pacific Coast Highway Blvd., Suite 175
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PHONE: (310) 414–5400
CONTACT: Matt Pioli
EMAIL: mpioli@firstindustrial.com

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Last Update:5/5/22
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CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

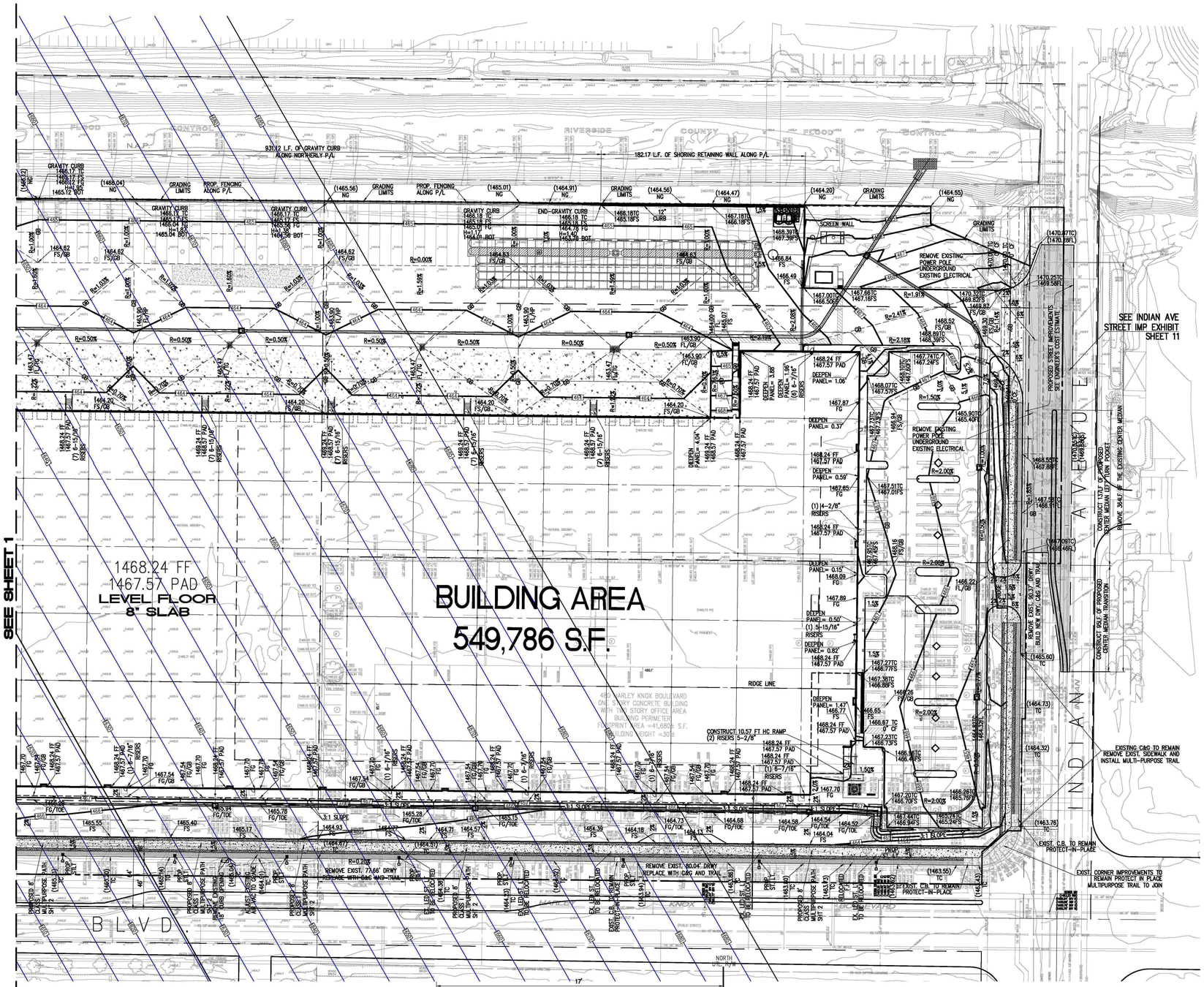
CONCEPTUAL GRADING PLAN

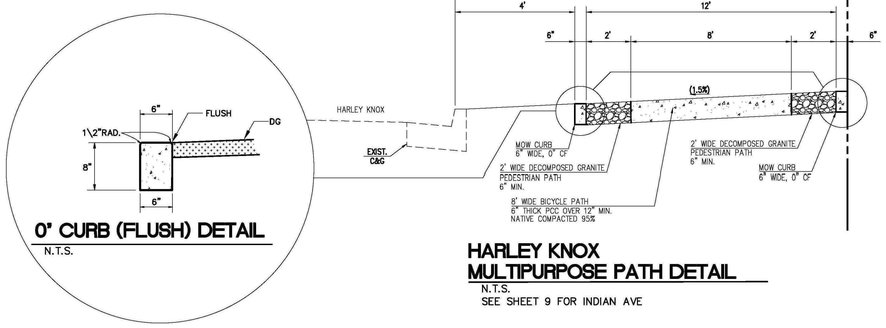
HARLEY KNOX INDUSTRIAL DEVELOPMENT

Designed by		Approved by	Date
Date			
Checked by			
Date		Public Works Director	R.C.E. XXXXX
Designed by			
Date			
Checked by			
Date			

Sheet 1 of 9 Sheets

4066/1 OF 9 SHEET





0" CURB (FLUSH) DETAIL

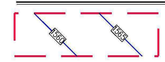
N.T.S.

HARLEY KNOX MULTIPURPOSE PATH DETAIL

N.T.S.

SEE SHEET 9 FOR INDIAN AVE

FEDERAL AVIATION SURFACES:



CONTOURS OF THE "RUNWAYS SURFACE" OF THE MARCH AIR RESERVE BASE, CONSTITUE A SITE HEIGHT RESTRICTION AS DESCRIBED ON SHEET 1 IN SURVEYOR'S NOTES 6.7 PARTS A & B.

0 20 40 80 120

SCALE:1"=40'

OPTION A

CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

CONCEPTUAL GRADING PLAN

HARLEY KNOX INDUSTRIAL DEVELPMENT

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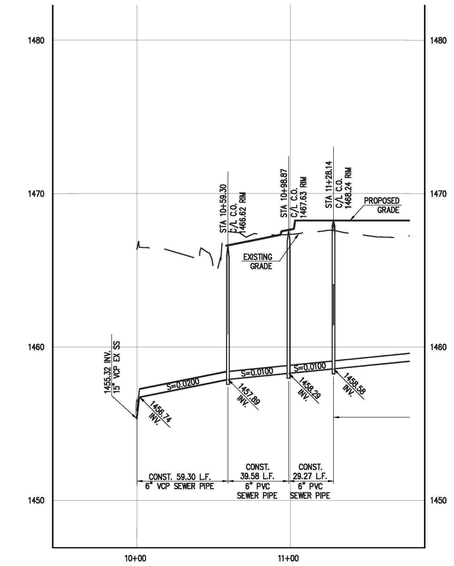
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Checked by ____ Date ____
Approved by ____ Date ____
Public Works Director ____ R.C.E. XXXXX

Sheet 2 of 9 Sheets

4066/ 2 OF 9 SHEET

BUILDING AREA
549,786 S.F.

SEE SHEET 4



PROPOSED LINE "A" – 6" SEWER LATERAL

0 20 40 80 120

SCALE: 1"=40'

OPTION A

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CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

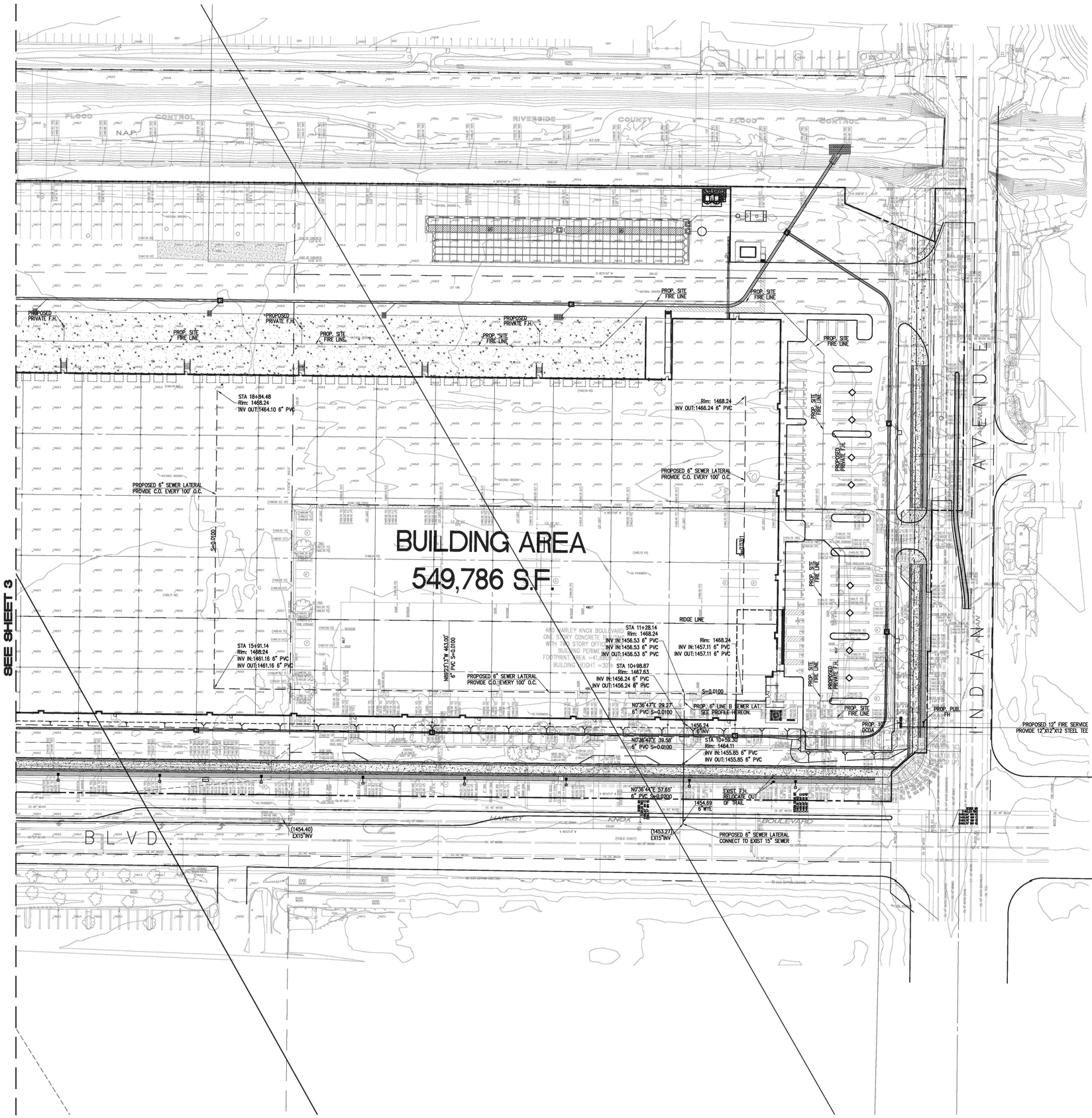
CONCEPTUAL UTILITY PLAN

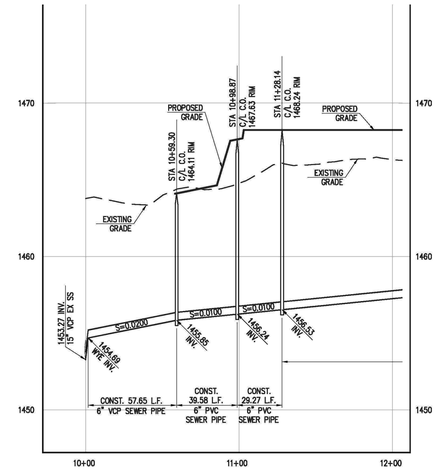
HARLEY KNOX INDUSTRIAL DEVELPMENT

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Checked by _____ Date _____
Approved by _____ Date _____
Public Works Director R.C.E. XXXXX

Sheet 3 of 9 Sheets

4066/ 3 OF 9 SHEET





PROPOSED PROFILE LINE "B" – 6" SEWER LATERAL

0 20 40 80 120

SCALE:1"=40'

OPTION A

CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

CONCEPTUAL UTILITY PLAN

HARLEY KNOX INDUSTRIAL DEVELPMENT

PREPARED FOR:
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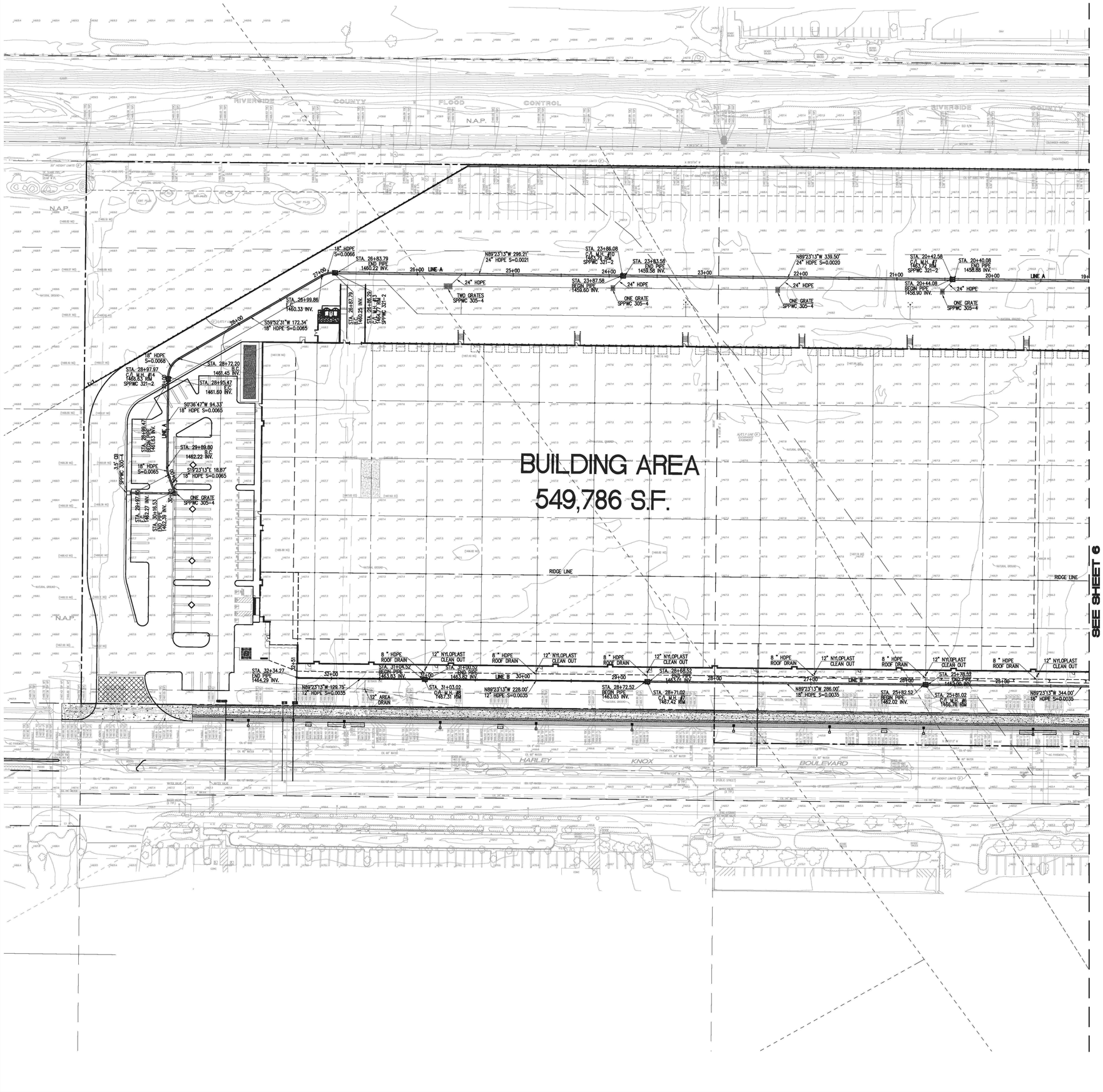
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Approved by _____ Date _____
Public Works Director R.C.E. XXXXX

Sheet 4 of 9 Sheets

4066/4 OF 9 SHEET



0 20 40 80 120

SCALE:1"=40'

OPTION A

PREPARED FOR:

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CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

CONCEPTUAL STORM DRAIN PLAN

HARLEY KNOX INDUSTRIAL DEVELPMENT

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Last Update:3/17/23
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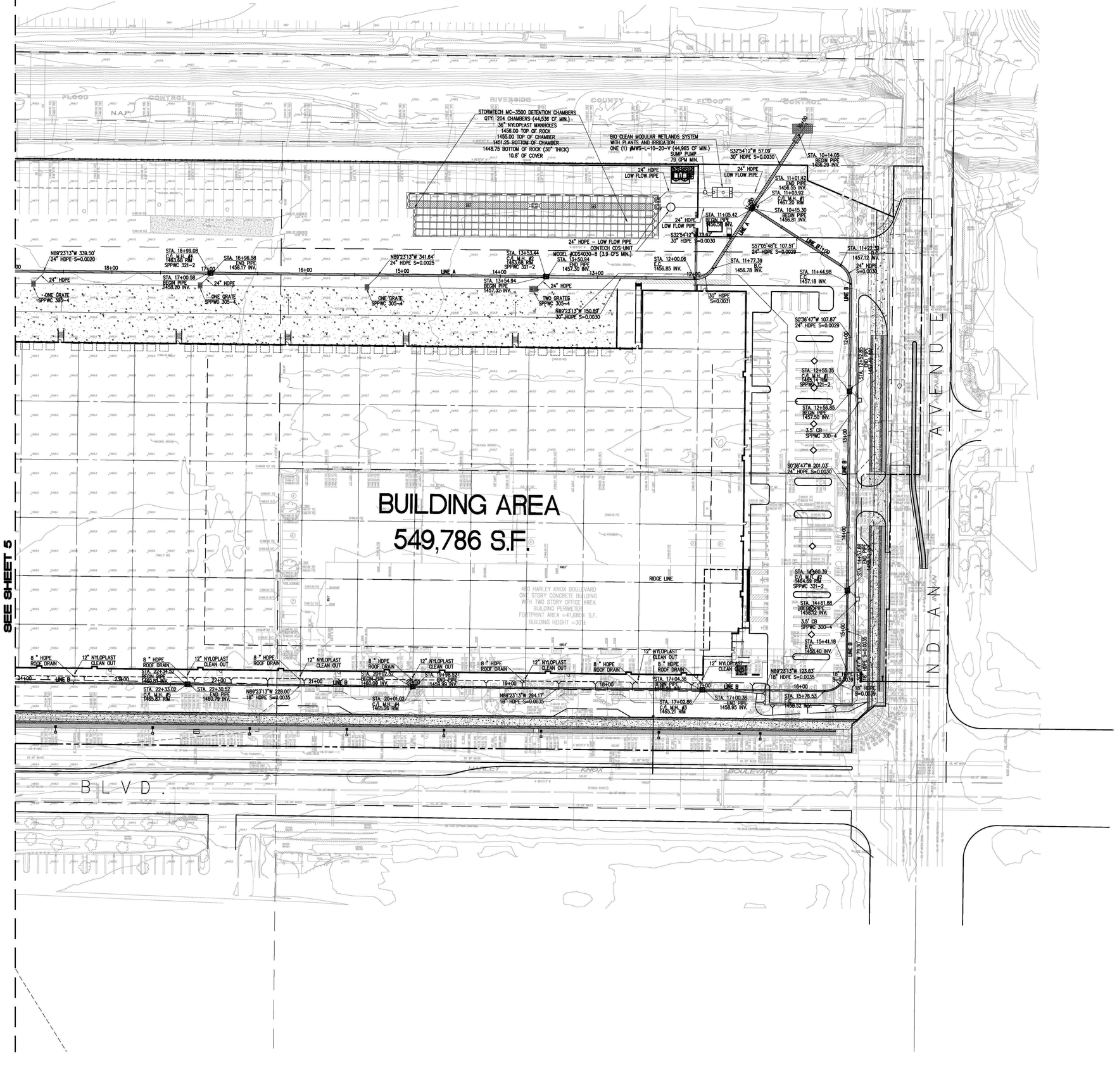
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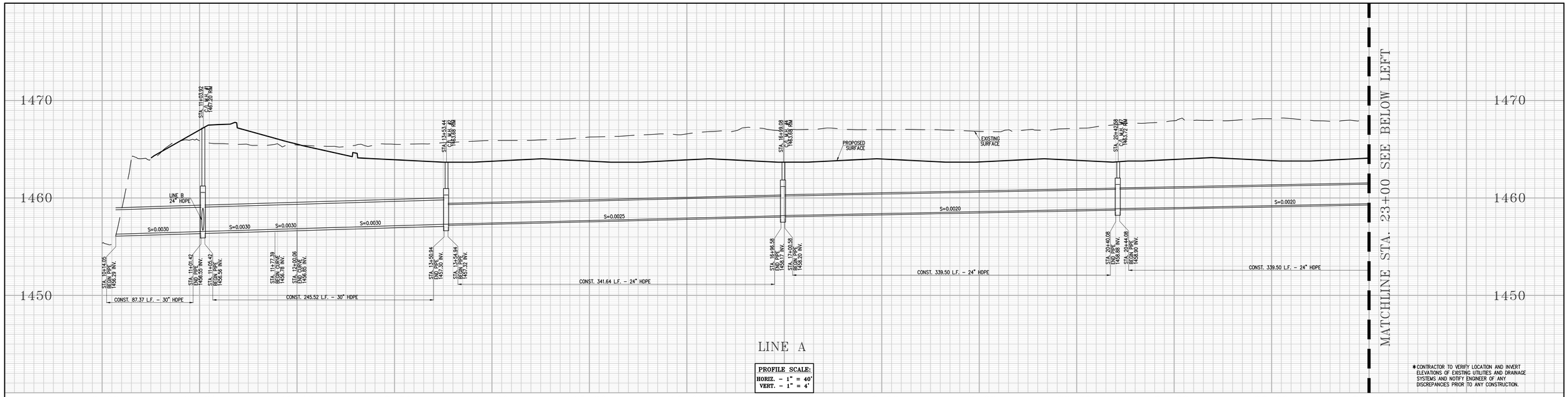
Approved by _____ Date _____

Public Works Director R.C.E. XXXXX

Sheet 5 of 9 Sheets

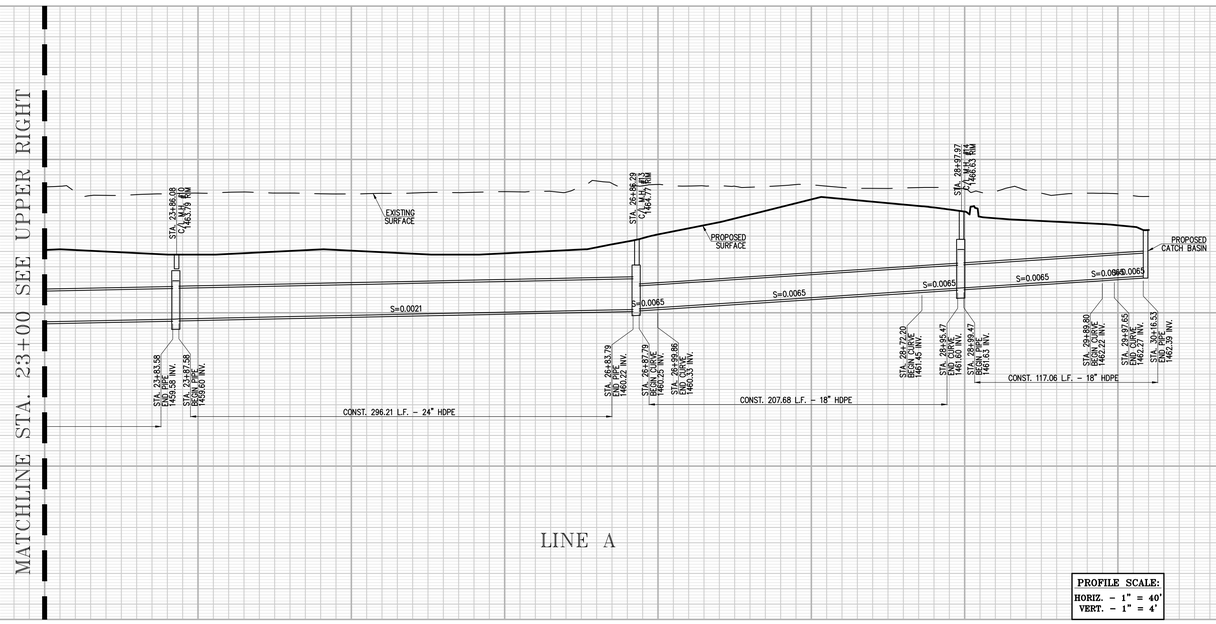
4066/5 OF 9 SHEET

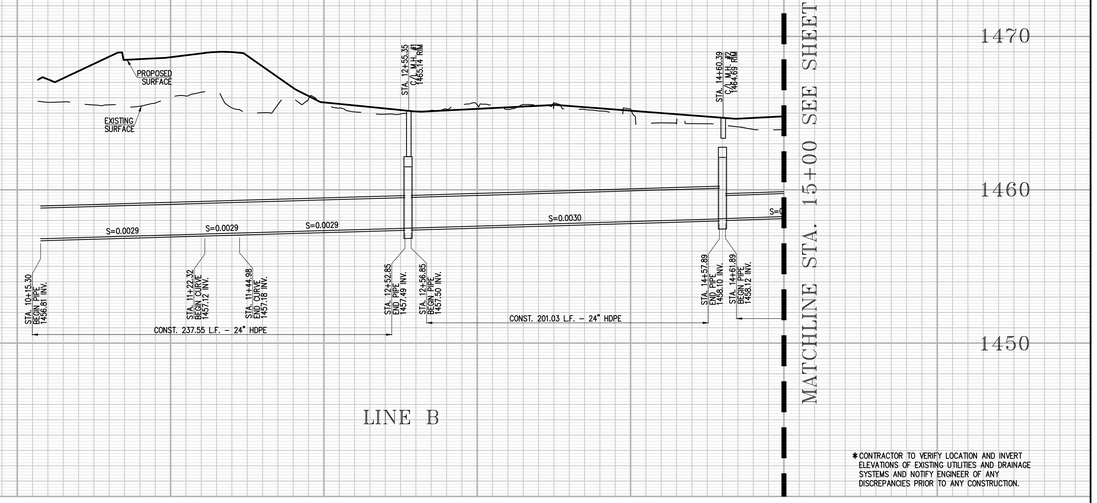

STORMTECH MC-3500 DETENTION CHAMBERS
QTY: 204 CHAMBERS (44,536 CF MIN.)
36" NYLOPLAST MANHOLES
1456.00 TOP OF ROCK
1455.00 TOP OF CHAMBER
1451.25 BOTTOM OF CHAMBER
1448.75 BOTTOM OF ROCK (30" THICK)
10.5' OF COVER
BIO CLEAN MODULAR WETLANDS SYSTEM
WITH PLANTS AND IRRIGATION
ONE (1) JWWS-L-10-20-V (44,965 CF MIN.)
SUMP PUMP
79 GPM MIN.
MODEL #CDS4030-8 (3.9 CFS MIN.)
CONTECH CDS UNIT
24" HDPE - LOW FLOW PIPE
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PROFILE SCALE:
HORIZ. – 1" = 40'
VERT. – 1" = 4'

*CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITIES AND DRAINAGE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.





PROFILE SCALE:
HORIZ. – 1" = 40'
VERT. – 1" = 4'

*CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITIES AND DRAINAGE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.

OPTION A

CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

CONCEPTUAL STORM DRAIN PROFILES

HARLEY KNOX INDUSTRIAL DEVELPMENT

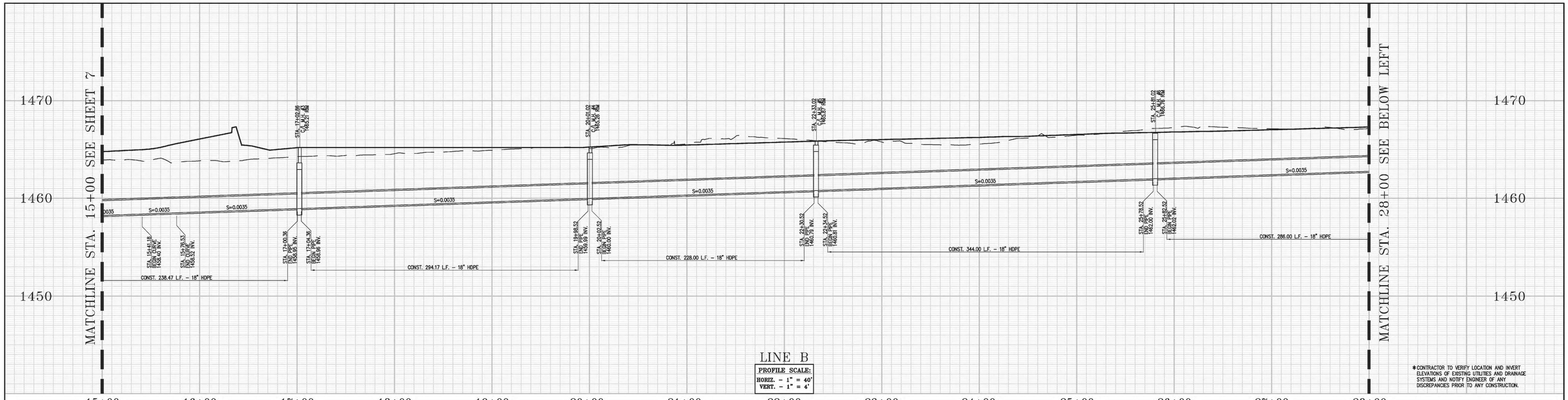
PREPARED FOR:
First Industrial Realty Trust, Inc.
898 N. Pacific Coast Highway Blvd., Suite 175
El Segundo, CA 90245
PHONE: (310) 414-5400
CONTACT: Matt Pioli
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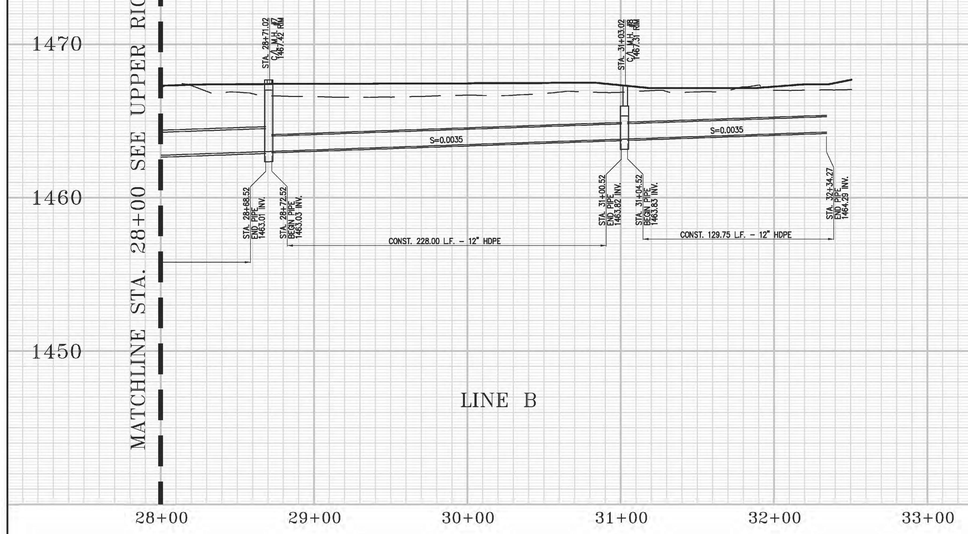
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*CONTRACTOR TO VERIFY LOCATION AND INVERT ELEVATIONS OF EXISTING UTILITIES AND DRAINAGE SYSTEMS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO ANY CONSTRUCTION.



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OPTION A

CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

CONCEPTUAL STORM DRAIN PROFILES

HARLEY KNOX INDUSTRIAL DEVELPMENT

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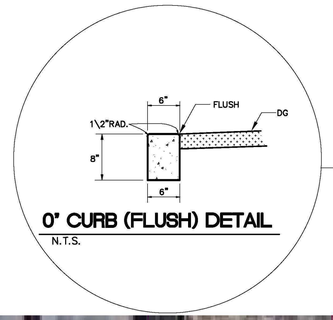
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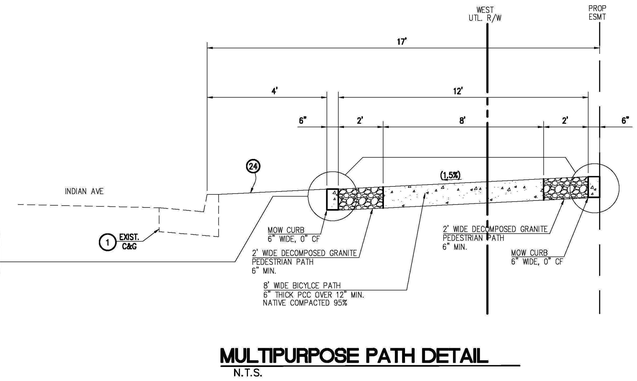
Sheet 8 of 9 Sheets

4066/8 OF 9 SHEET



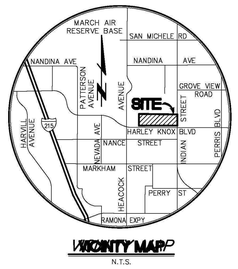
0" CURB (FLUSH) DETAIL

N.T.S.



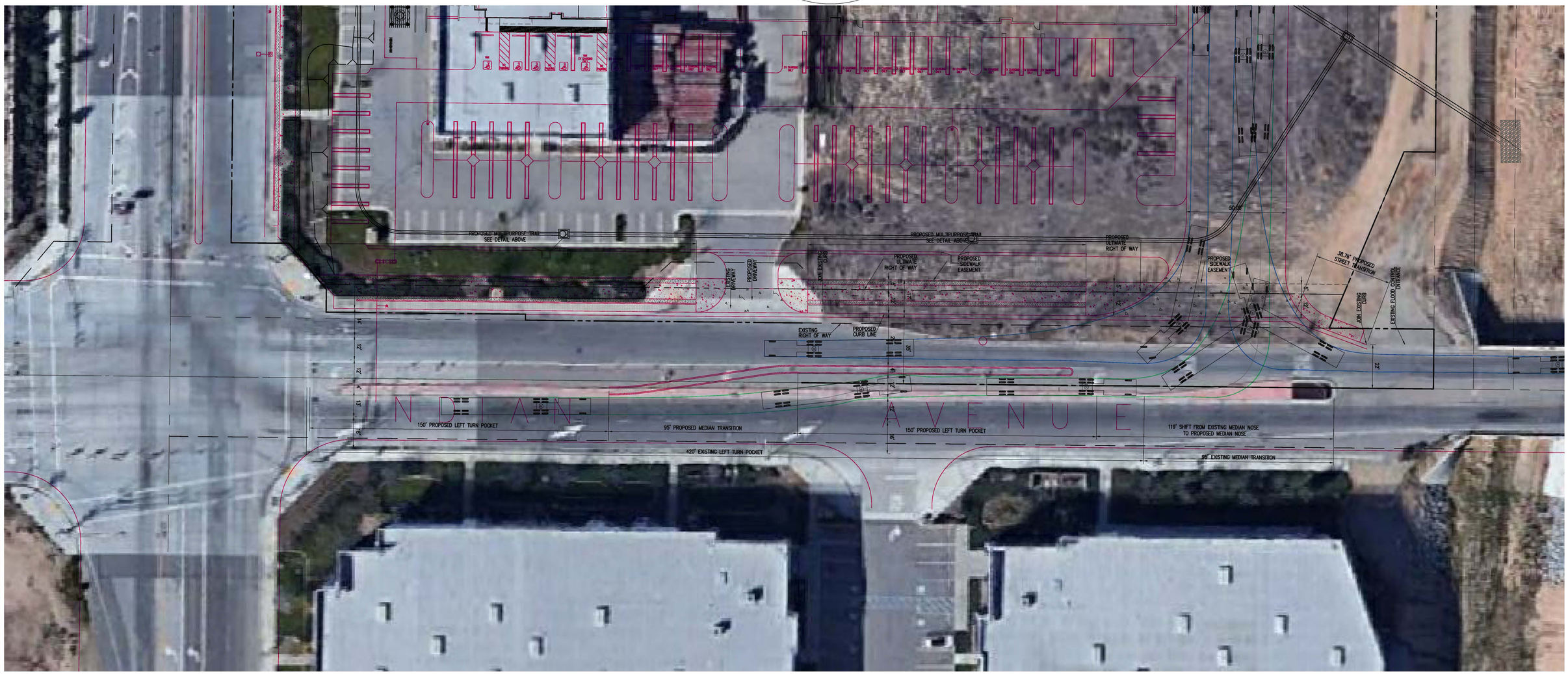
MULTIPURPOSE PATH DETAIL

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VICINITY MAP

N.T.S.



OPTION A

0 10 20 40 60

SCALE: 1"=20'

PREPARED FOR:

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CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

CONCEPTUAL STREET IMPROVEMENTS INDIAN AVENUE

HARLEY KNOX INDUSTRIAL DEVELPMENT

Designed by _____ Date _____
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Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____

Public Works Director _____ R.C.E. XXXX

Sheet 9 of 9 Sheets

4066/ 9 OF 9 SHEET

Appendix 3: Soils Information

Geotechnical Study and Other Infiltration Testing Data

February 18, 2022

SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

First Industrial Realty Trust, Inc.
898 N. Pacific Coast Highway. STE 175
El Segundo, CA 90245

Attention: Mr. Matt Pioli
Investment Officer

Project No.: **22G106-2**

Subject: **Results of Infiltration Testing**
Proposed Industrial Building
Murrieta Road, North of McLaughlin Road
Menifee, California

Reference: Geotechnical Investigation, Proposed Warehouse, Harley Knox, West of Indian Avenue, Perris, California, prepared for First Industrial Realty Trust, Inc., by Southern California Geotechnical, Inc. (SCG), SCG Project No. 22G106-1, dated February 18, 2022.

Mr. Snyder:

In accordance with your request, we have conducted infiltration testing at the subject site. We are pleased to present this report summarizing the results of the infiltration testing and our design recommendations.

Scope of Services

The scope of services performed for this project was in general accordance with our Proposal No. 21P510, dated December 17, 2021. The scope of services included site reconnaissance, subsurface exploration, field testing, and engineering analysis to determine the infiltration rates of the onsite soils. The infiltration testing was performed in general accordance with ASTM Test Method D-3385-03, Standard Test Method for Infiltration Rate of Soils in Field Using Double Ring Infiltrometer.

Site and Project Description

The site is located 630± feet west of the intersection of Harley Knox Boulevard and Indian Avenue in Perris, California. The site is bounded to the north by a storm drain channel, to the east by Indian Avenue and an existing commercial/industrial building, to the south by Harley Knox Boulevard and to the west by vacant land. The general location of the site is illustrated on the Site Location Map, included as Plate 1 of this report.

The site consists of two (2) rectangular-shaped parcels, which total 20.26± acres in size. The site is presently vacant and undeveloped. Ground surface cover consists of exposed soil with moderate to dense native grass and weed growth. Trash and debris are scattered on the ground surface throughout the site.

Detailed topographic information was not available at the time of this report. Based on elevations obtained from Google Earth and visual observations made at the time of the subsurface investigation, the overall site slopes downward to the east at a gradient of less than 1± percent. The ground surface is generally uneven to due previous tilling activities.

Proposed Development

SCG was provided with A conceptual site plan prepared by HPA Architecture (Scheme 2). Based on Scheme 2, the site will be developed with one (1) new warehouse building, 384,620± ft^2 in size, located in the western and central areas of the site. Dock-high doors will be constructed along a portion of the northern building wall. The building will be surrounded by asphaltic concrete pavements in the parking and drive lanes, Portland cement concrete pavements in the loading dock areas, and limited areas of concrete flatwork and landscape planters throughout.

The proposed development is expected to include on-site storm water infiltration. Based on our experience with similar projects in the vicinity of the site, we expect that the infiltration system will consist of below-grade chamber systems, located in the northern truck-court area of the site. The bottom of the infiltration system is expected to extend to a depth of 10± feet below the existing site grades.

Concurrent Study

SCG concurrently conducted a geotechnical investigation at the subject site, which is referenced above. As part of this study, eight (8) borings were advanced to depths of 10 to 25± feet below existing site grades. Younger alluvium was encountered at the ground surface at all of the boring locations, extending to depths of 3 to 8± feet below ground surface. The younger alluvial soils consist of medium dense sandy silts, silty sands, clayey sands, and fine to coarse sands with varying silt content. Occasional layers of very stiff to hard fine sandy clays were encountered. The younger alluvial soils generally possess calcareous nodules and veining and are slightly cemented. Native older alluvium was encountered beneath the younger alluvium at all of the boring locations, extending to at least the maximum depth explored of 25± feet below ground surface. The older alluvial soils generally consist of medium dense to very dense fine sandy silts, silty fine to medium sands, clayey fine to coarse sands, and very stiff to hard silty clays and fine sandy clays. Some samples within the upper 5 to 15± feet are slightly cemented.

Groundwater

Free water was not encountered during any of our subsurface explorations. Based on the lack of any water within the borings and the moisture contents of the recovered soil samples, the static groundwater table is considered to have existed at a depth in excess of 25± feet at the time of the subsurface exploration.

Recent water level data was obtained from the California State Water Resources Control Board, GeoTracker, website, https://geotracker.waterboards.ca.gov/. One monitoring well on record is located 1,670± feet south of the site. Water level readings within this monitoring well indicate a high groundwater level of 61± feet below the ground surface in October 2021.

Subsurface Exploration

Scope of Exploration

The subsurface exploration for the infiltration testing consisted of two (2) backhoe-excavated trenches, extending to a depth of 10± feet below existing site grades. The trenches were logged during excavation by a member of our staff. The approximate locations of the infiltration trenches (identified as I-1 and I-2) are indicated on the Infiltration Test Location Plan, enclosed as Plate 2 of this report.

Geotechnical Conditions

Native alluvial soils were encountered at the ground surface at both of the infiltration test locations. The near-surface alluvial soils consist of younger alluvium, comprised of loose fine sandy silts, extending to a depth of 2± feet below the existing site grades. Below these materials, the older alluvium generally consists of very stiff, fine sandy clays, with varying silt content, and dense silty fine to medium sands and clayey fine to medium sands. The older alluvium extends to the maximum depth explored of 10± feet. The Trench Logs, which illustrate the conditions encountered at the infiltration test locations, are presented in this report.

Infiltration Testing

We understand that the results of the testing will be used to prepare a preliminary design for the storm water infiltration system that will be used at the subject site. As previously mentioned, the infiltration testing was performed in general accordance with ASTM Test Method D-3385-03, Standard Test Method for Infiltration Rate of Soils in Field Using Double Ring Infiltrometer.

Two stainless steel infiltration rings were used for the infiltration testing. The outer infiltration ring is 2 feet in diameter and 20 inches in height. The inner infiltration ring is 1 foot in diameter and 20 inches in height. At the test locations, the outer ring was driven 3± inches into the soil at the base of each trench. The inner ring was centered inside the outer ring and subsequently driven 3± inches into the soil at the base of the trench. The rings were driven into the soil using a ten-pound sledge hammer. The soil surrounding the wall of the infiltration rings was only slightly disturbed during the driving process.

Infiltration Testing Procedure

Infiltration testing was performed at both of the trench locations. The infiltration testing consisted of filling the inner ring and the annular space (the space between the inner and outer rings) with water, approximately 3 to 4 inches above the soil. To prevent the flow of water from one ring to the other, the water level in both the inner ring and the annular space between the rings was maintained using constant-head float valves. The volume of water that was added to maintain a constant head in the inner ring and the annular space during each time interval was determined and recorded. A cap was placed over the rings to minimize the evaporation of water during the tests.

The schedule for readings was determined based on the observed soil type at the base of each backhoe-excavated trench. Based on the existing soils at the trench locations, the volumetric

measurements were made at 30-minute increments. The water volume measurements are presented on the spreadsheets enclosed with this report. The infiltration rates for each of the timed intervals are also tabulated on these spreadsheets.

The infiltration rates for the infiltration tests are calculated in centimeters per hour and then converted to inches per hour. The rates are summarized below:

Infiltration Test No.	Depth (feet)	Soil Description	Infiltration Rate (inches/hour)
I-1	10	Brown Clayey fine to medium Sand	0.5
I-2	10	Brown Silty fine to medium Sand, trace Clay	1.4

Design Recommendations

Two (2) infiltration tests were performed at the subject site. As noted above, the calculated infiltration rates at the infiltration test locations range from 0 to 1.4 inch per hour. The major factors affecting the lack of infiltration at these locations is the presence of dense to very dense older alluvium, with moderate silt and clay concentrations. **Based on the lack of infiltration at the depths tested, infiltration is not considered feasible for this site. Although an infiltration rate of 1.4 inch per hour was calculated at Infiltration Test No I-2, the underlying soils are much less permeable.**

Although infiltration is not considered feasible at the site, the client may desire to use storm water disposal systems that do not rely on infiltration at this site. The design of storm water disposal systems should be performed by the project civil engineer, in accordance with the City of Perris and/or County of Riverside guidelines. It is recommended any such systems be designed and constructed to facilitate removal of silt and clay, or other deleterious materials from any water that may enter the system. The presence of such materials would decrease the flow rates through the system. It should be noted that the recommended infiltration rates are based on infiltration testing at two (2) discrete locations and that the overall infiltration rates of the proposed infiltration systems could vary considerably.

Location of Infiltration Systems

The use of on-site storm water infiltration systems carries a risk of creating adverse geotechnical conditions. Increasing the moisture content of the soil can cause the soil to lose internal shear strength and increase its compressibility, resulting in a change in the designed engineering properties. Overlying structures and pavements in the infiltration area could potentially be damaged due to saturation of the subgrade soils. **The proposed infiltration systems for this site should be located at least 25 feet away from any structures, including retaining walls.** Even with this provision of locating the infiltration system at least 25 feet from the building(s), it is possible that infiltrating water into the subsurface soils could have an adverse effect on the proposed or existing structures. It should also be noted that utility trenches which happen to collect storm water can also serve as conduits to transmit storm water toward the structure, depending on the slope of the utility trench. Therefore, consideration should also be given to the proposed locations of underground utilities which may pass near the proposed infiltration system.

The infiltration system designer should also give special consideration to the effect that the proposed infiltration systems may have on nearby subterranean structures, open excavations, or descending slopes. In particular, infiltration systems should not be located near the crest of descending slopes, particularly where the slopes are comprised of granular soils. Such systems will require specialized design and analysis to evaluate the potential for slope instability, piping failures and other phenomena that typically apply to earthen dam design. This type of analysis is beyond the scope of this infiltration test report, but these factors should be considered by the infiltration system designer when locating the infiltration systems.

General Comments

This report has been prepared as an instrument of service for use by the client in order to aid in the evaluation of this property and to assist the architects and engineers in the design and preparation of the project plans and specifications. This report may be provided to the contractor(s) and other design consultants to disclose information relative to the project. However, this report is not intended to be utilized as a specification in and of itself, without appropriate interpretation by the project architect, structural engineer, and/or civil engineer. The design of the proposed storm water infiltration system is the responsibility of the civil engineer. The role of the geotechnical engineer is limited to determination of infiltration rate only. By using the design infiltration rate contained herein, the civil engineer agrees to indemnify, defend, and hold harmless the geotechnical engineer for all aspects of the design and performance of the proposed storm water infiltration system. The reproduction and distribution of this report must be authorized by the client and Southern California Geotechnical, Inc. Furthermore, any reliance on this report by an unauthorized third party is at such party's sole risk, and we accept no responsibility for damage or loss which may occur.

The analysis of this site was based on a subsurface profile interpolated from limited discrete soil samples. While the materials encountered in the project area are considered to be representative of the total area, some variations should be expected between boring locations and testing depths. If the conditions encountered during construction vary significantly from those detailed herein, we should be contacted immediately to determine if the conditions alter the recommendations contained herein.

This report has been based on assumed or provided characteristics of the proposed development. It is recommended that the owner, client, architect, structural engineer, and civil engineer carefully review these assumptions to ensure that they are consistent with the characteristics of the proposed development. If discrepancies exist, they should be brought to our attention to verify that they do not affect the conclusions and recommendations contained herein. We also recommend that the project plans and specifications be submitted to our office for review to verify that our recommendations have been correctly interpreted. The analysis, conclusions, and recommendations contained within this report have been promulgated in accordance with generally accepted professional geotechnical engineering practice. No other warranty is implied or expressed.

Closure

We sincerely appreciate the opportunity to be of service on this project. We look forward to providing additional consulting services during the course of the project. If we may be of further assistance in any manner, please contact our office.

Respectfully Submitted,

SOUTHERN CALIFORNIA GEOTECHNICAL, INC.

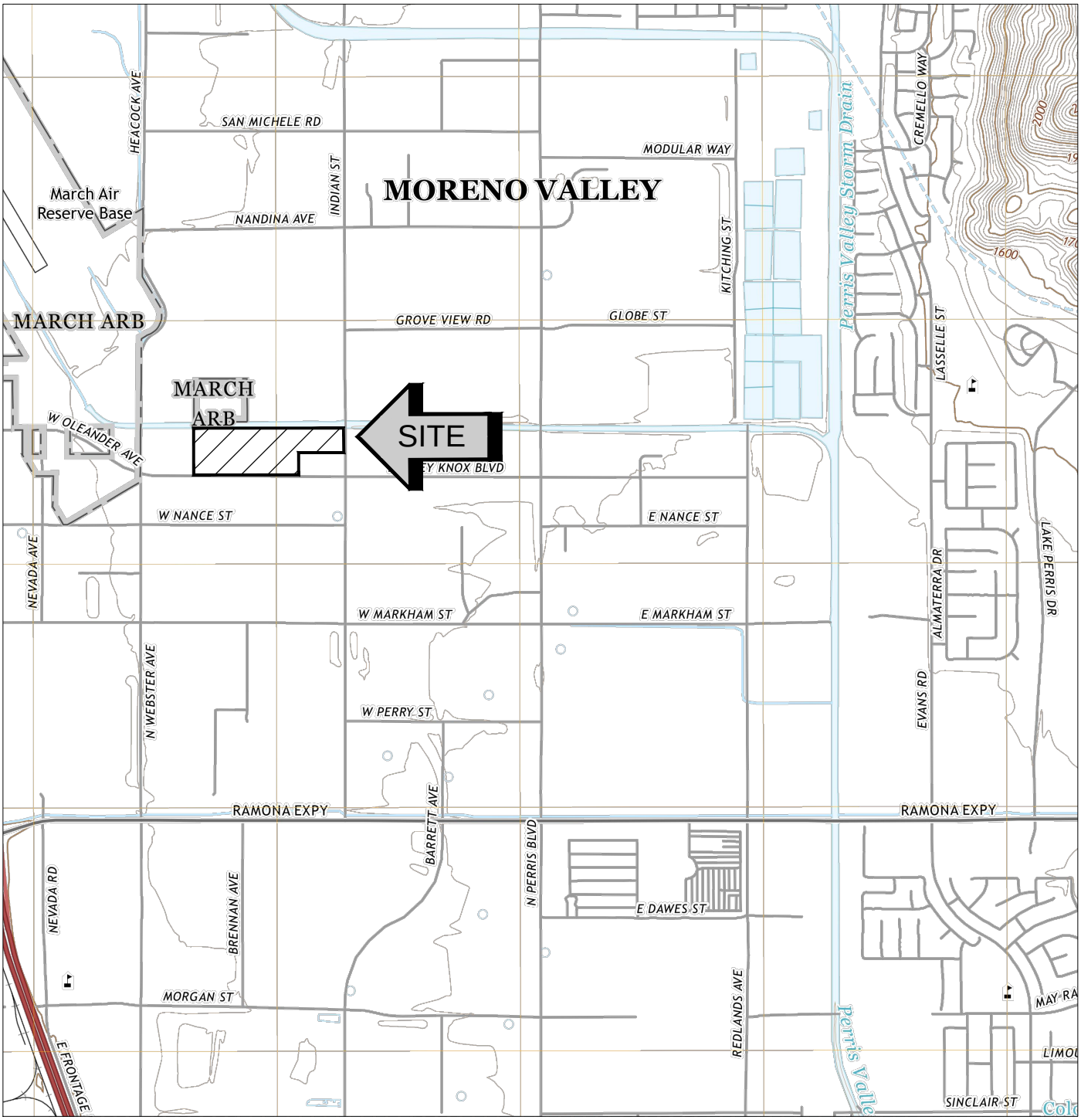
Pablo Montes Jr.
Project Engineer

Robert G. Trazo, GE 2655
Principal Engineer



Distribution: (1) Addressee

Enclosures: Plate 1 - Site Location Map
Plate 2: Infiltration Test Location Plan
Trench Logs (2 pages)
Infiltration Test Results Spreadsheets (2 pages)
Grainsize Distribution Graphs (2 pages)



SOURCE: USGS TOPOGRAPHIC MAP OF THE PERRIS QUADRANGLE, LOS ANGELES COUNTY, CALIFORNIA, 2021.

SITE LOCATION MAP

PROPOSED WAREHOUSE

PERRIS, CALIFORNIA

SCALE: 1" = 2000'	
DRAWN: JAH CHKD: PM	
SCG PROJECT 22G106-2	
PLATE 1	

SoCalGeo

SOUTHERN CALIFORNIA GEOTECHNICAL



GEOTECHNICAL LEGEND

APPROXIMATE INFILTRATION LOCATION

APPROXIMATE BORING LOCATION FROM CONCURRENT STUDY
(SCG PROJECT NO.: 22G106-1)

PROPOSED BUILDING OUTLINE

PROPERTY LINE

NORTH

SoCalGeo

NOTE: CONCEPTUAL SITE PLAN PREPARED BY HPA ARCHITECTS.
AERIAL PHOTOGRAPH OBTAINED FROM GOOGLE EARTH.

INFILTRATION TEST LOCATION PLAN

PROPOSED WAREHOUSE

PERRIS, CALIFORNIA

SCALE: 1" = 150'	SoCalGeo SOUTHERN CALIFORNIA GEOTECHNICAL
DRAWN: MD CHKD: RGT	
SCG PROJECT 22G106-2	
PLATE 2	

SOUTHERN CALIFORNIA GEOTECHNICAL

TRENCH NO. I-1

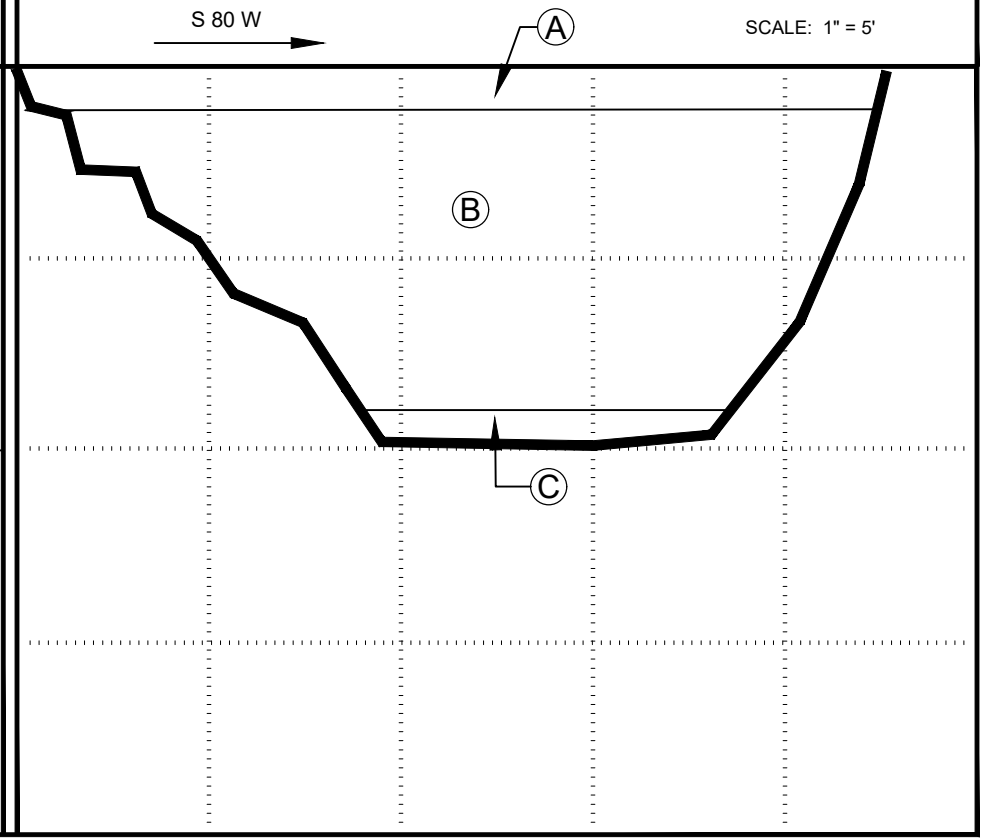
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PROJECT: Proposed Warehouse
LOCATION: Perris, California
DATE: 1/14/2022

EQUIPMENT USED: Backhoe
LOGGED BY: Caleb Brackett
ORIENTATION: S 80 W
ELEVATION: -- feet msl

WATER DEPTH: Dry
SEEPAGE DEPTH: Dry
READINGS TAKEN: At Completion

DEPTH	SAMPLE	DRY DENSITY (PCF)	MOISTURE (%)	EARTH MATERIALS DESCRIPTION
				A: ALLUVIUM: Light Brown fine Sandy Silt, trace fine root fibers, loose-damp
				B: OLDER ALLUVIUM: Brown fine Sandy Clay, trace to little Silt, slightly porous, very stiff-damp
				C: OLDER ALLUVIUM: Brown Clay fine to medium Sand, dense-damp
5				
10			3	Trench Terminated @ 10 feet
15				

GRAPHIC REPRESENTATION



KEY TO SAMPLE TYPES:
B - BULK SAMPLE (DISTURBED)
R - RING SAMPLE 2-1/2" DIAMETER (RELATIVELY UNDISTURBED)

TRENCH LOG

PLATE B-1

SOUTHERN CALIFORNIA GEOTECHNICAL

TRENCH NO. I-2

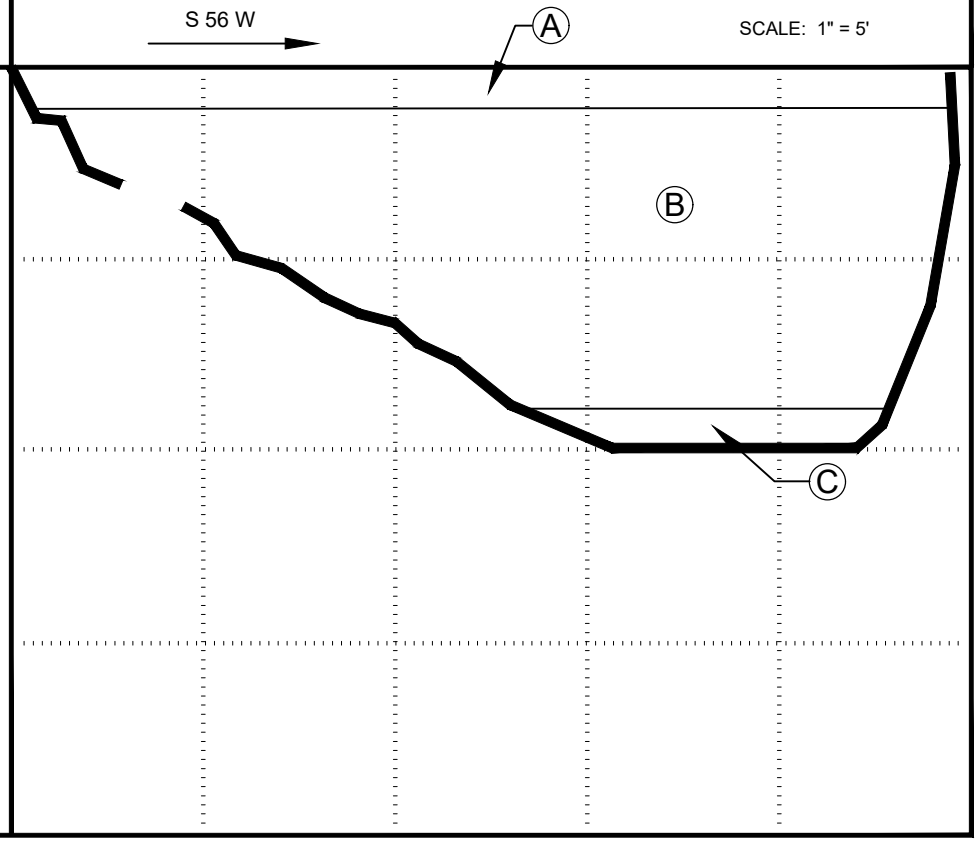
JOB NO.: 22G106-2
PROJECT: Proposed Warehouse
LOCATION: Perris, California
DATE: 1/14/2022

EQUIPMENT USED: Backhoe
LOGGED BY: Caleb Brackett
ORIENTATION: S 56 W
ELEVATION: -- feet msl

WATER DEPTH: Dry
SEEPAGE DEPTH: Dry
READINGS TAKEN: At Completion

DEPTH	SAMPLE	DRY DENSITY (PCF)	MOISTURE (%)	EARTH MATERIALS DESCRIPTION
				A: ALLUVIUM: Brown fine Sandy Silt, trace fine root fibers, loose-damp
				B: OLDER ALLUVIUM: Brown fine Sandy Clay, trace to little Silt, slightly porous, little Calcareous nodules, very stiff-damp
5				C: OLDER ALLUVIUM: Brown Silty fine to medium Sand, trace Clay, dense-damp
			6	
10				Trench Terminated @ 10 feet
15				

GRAPHIC REPRESENTATION



KEY TO SAMPLE TYPES:
B - BULK SAMPLE (DISTURBED)
R - RING SAMPLE 2-1/2" DIAMETER (RELATIVELY UNDISTURBED)

TRENCH LOG

PLATE B-2

INFILTRATION CALCULATIONS

Project Name	Proposed Warehouse
Project Location	Perris, California
Project Number	22G106-2
Engineer	PM

Infiltration Test No: I-1

Constants

	Diameter (ft)	Area (ft^2)	Area (cm^2)
Inner	1	0.79	730
Anlr. Spac	2	2.36	2189

*Note: The infiltration rate was calculated based on current time interval

Test Interval		Time (hr)	Interval **Elapsed** (min)	Flow Readings: Inner Ring (ml)	Ring Flow (cm^3)	Annular Ring (ml)	Space Flow (cm^3)	Infiltration Rates: Inner Ring* (cm/hr)	Annular Space* (cm/hr)	Inner Ring* (in/hr)	Annular Space* (in/hr)
1	Initial	9:22 AM	30	0	650	0	5300	1.78	4.84	0.70	1.91
	Final	9:52 AM	**30**	650		5300					
2	Initial	9:55 AM	30	0	600	0	4600	1.64	4.20	0.65	1.65
	Final	10:25 AM	**60**	600		4600					
3	Initial	10:25 AM	30	0	550	0	3000	1.51	2.74	0.59	1.08
	Final	10:55 AM	**90**	550		3000					
4	Initial	10:55 AM	30	0	500	0	2800	1.37	2.56	0.54	1.01
	Final	11:25 AM	**120**	500		2800					
5	Initial	11:25 AM	30	0	450	0	2900	1.23	2.65	0.49	1.04
	Final	11:55 AM	**150**	450		2900					
6	Initial	11:55 AM	30	0	500	0	2800	1.37	2.56	0.54	1.01
	Final	12:25 PM	**180**	500		2800					

INFILTRATION CALCULATIONS

Project Name	Proposed Warehouse
Project Location	Perris, California
Project Number	22G106-2
Engineer	PM

Infiltration Test No: I-2

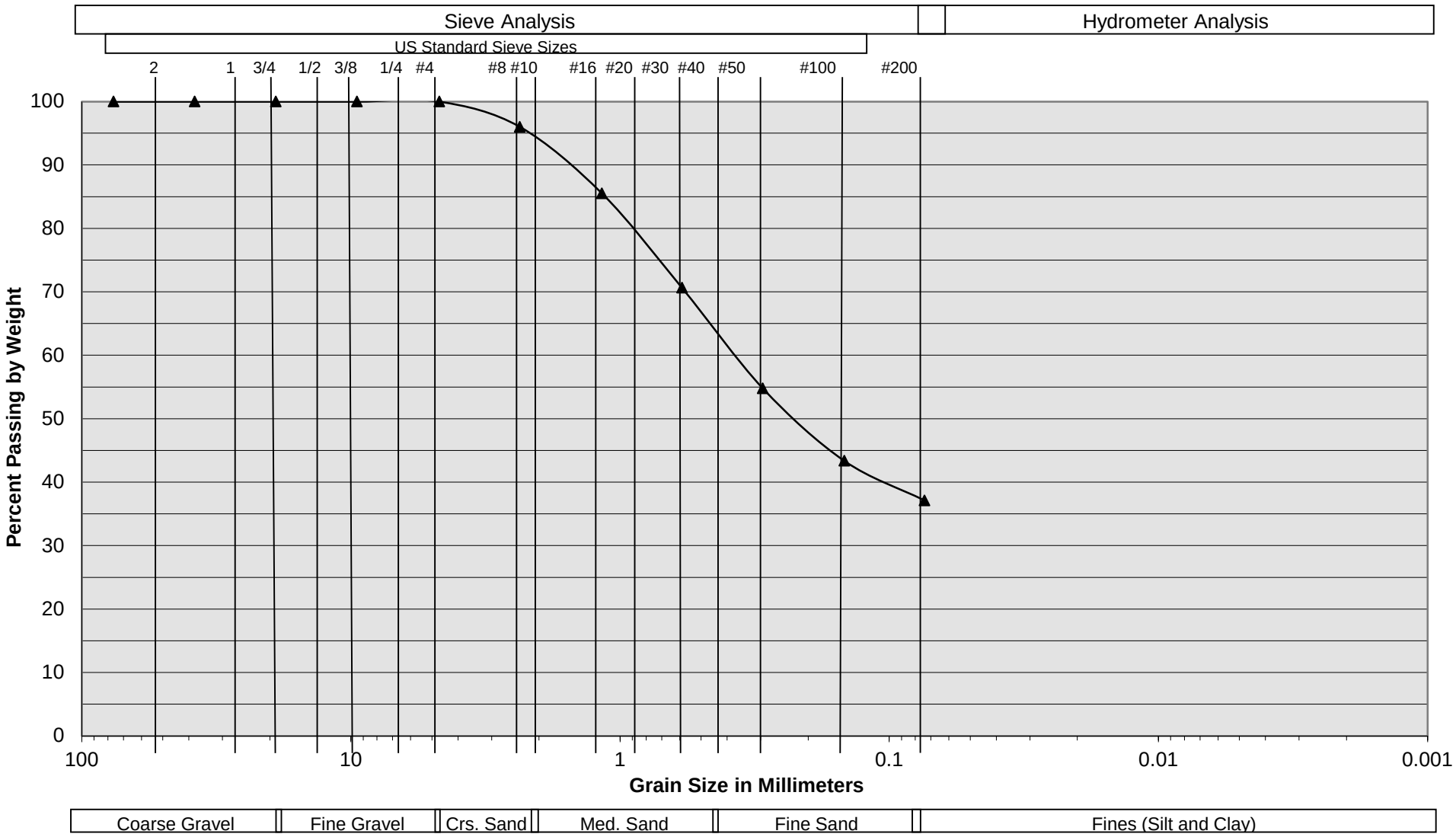
Constants

	Diameter (ft)	Area (ft^2)	Area (cm^2)
Inner	1	0.79	730
Anlr. Spac	2	2.36	2189

*Note: The infiltration rate was calculated based on current time interval

Test Interval		Time (hr)	Interval **Elapsed** (min)	Flow Readings: Inner Ring (ml)	Flow Readings: Ring Flow (cm^3)	Flow Readings: Annular Ring (ml)	Flow Readings: Space Flow (cm^3)	Infiltration Rates: Inner Ring* (cm/hr)	Infiltration Rates: Annular Space* (cm/hr)	Infiltration Rates: Inner Ring* (in/hr)	Infiltration Rates: Annular Space* (in/hr)
1	Initial	1:00 PM	30	0	1150	0	11500	3.15	10.51	1.24	4.14
	Final	1:30 PM	**30**	1150		11500					
2	Initial	1:30 PM	30	0	1400	0	6000	3.84	5.48	1.51	2.16
	Final	2:00 PM	**60**	1400		6000					
3	Initial	2:00 PM	30	0	1250	0	5900	3.43	5.39	1.35	2.12
	Final	2:30 PM	**90**	1250		5900					
4	Initial	2:30 PM	30	0	1250	0	6000	3.43	5.48	1.35	2.16
	Final	3:00 PM	**120**	1250		6000					
5	Initial	3:00 PM	30	0	1200	0	5900	3.29	5.39	1.30	2.12
	Final	3:30 PM	**150**	1200		5900					
6	Initial	3:30 PM	30	0	1250	0	6000	3.43	5.48	1.35	2.16
	Final	4:00 PM	**180**	1250		6000					

Grain Size Distribution

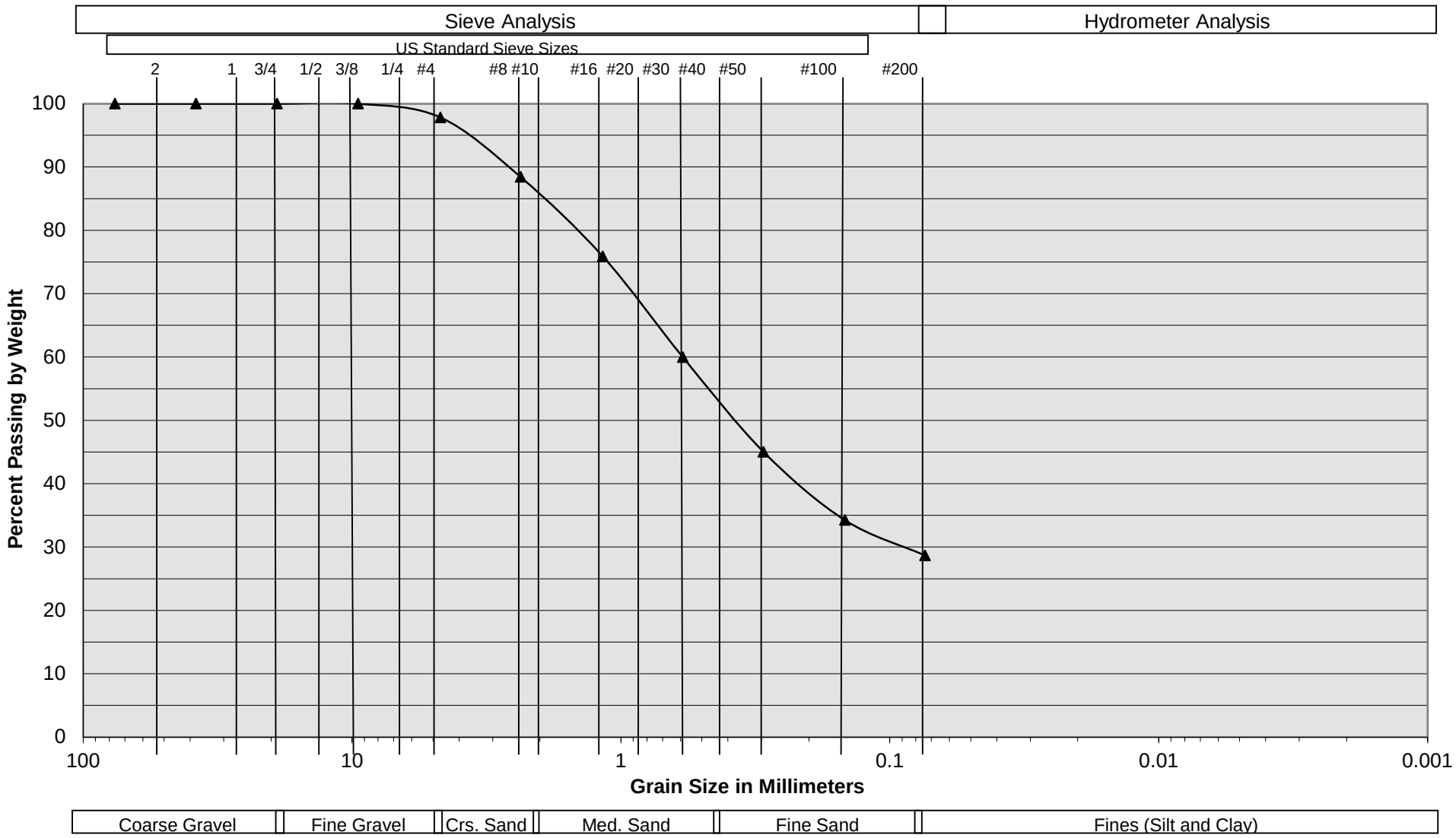


Sample Description	I-1 @ 10'
Soil Classification	Brown Clayey fine to medium Sand

Proposed Warehouse
Perris, California
Project No. 22G106-2
PLATE C- 1

SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Grain Size Distribution



Sample Description	I-2 @ 10'
Soil Classification	Brown Silty fine to medium Sand, trace Clay

Proposed Warehouse
Perris, California
Project No. 22G106-2
PLATE C- 2

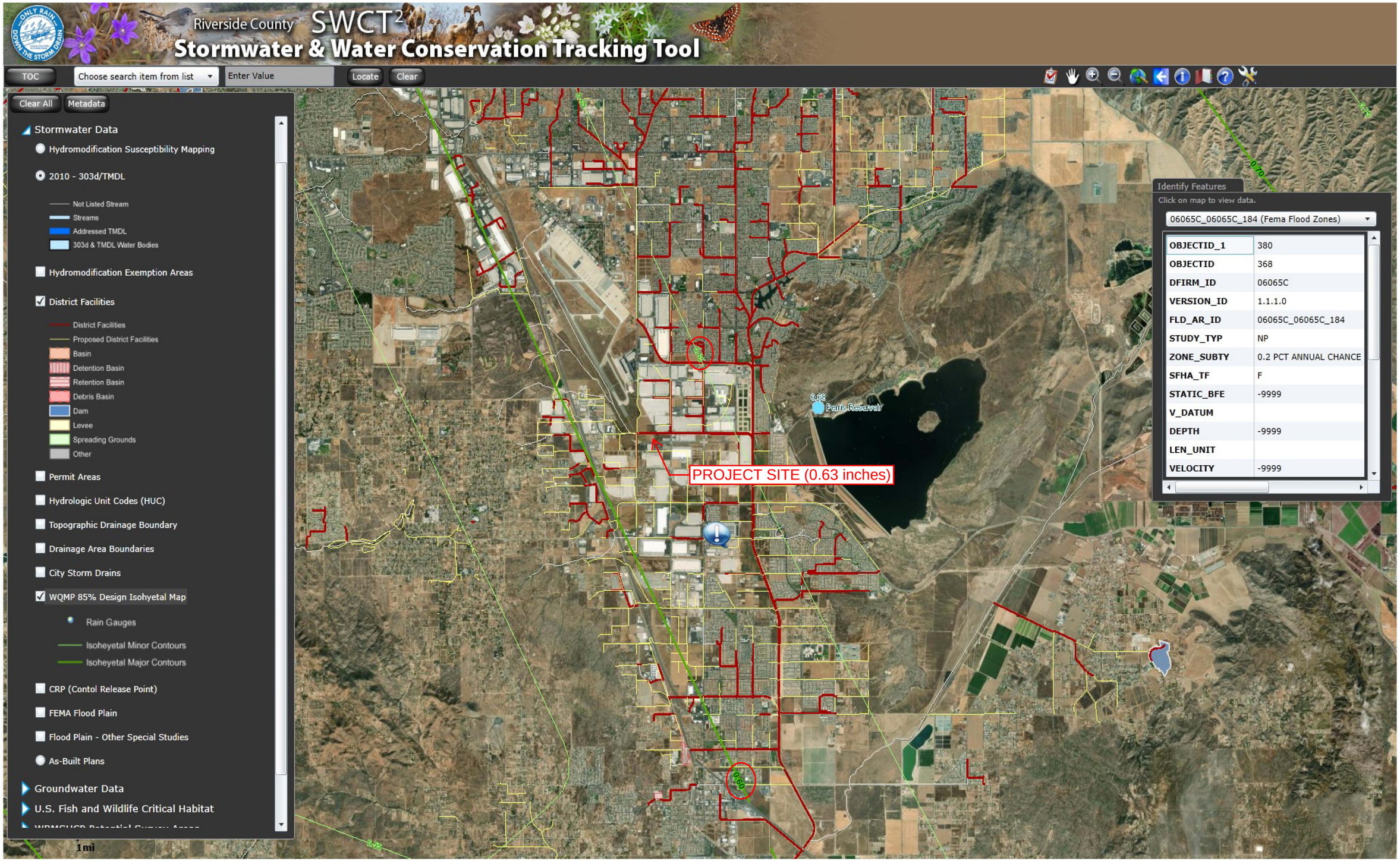
SoCalGeo
SOUTHERN CALIFORNIA GEOTECHNICAL
A California Corporation

Appendix 4: Historical Site Conditions

Phase I Environmental Site Assessment or Other Information on Past Site Use (NOT APPLICABLE)

Appendix 6: BMP Design Details

BMP Sizing, Design Details and other Supporting Documentation


Riverside County SWCT²
Stormwater & Water Conservation Tracking Tool
TOC
Choose search item from list
Enter Value
Locate
Clear
Clear All
Metadata
Stormwater Data
Hydromodification Susceptibility Mapping
2010 - 303d/TMDL
Not Listed Stream
Streams
Addressed TMDL
303d & TMDL Water Bodies
Hydromodification Exemption Areas
District Facilities
District Facilities
Proposed District Facilities
Basin
Detention Basin
Retention Basin
Debris Basin
Dam
Levee
Spreading Grounds
Other
Permit Areas
Hydrologic Unit Codes (HUC)
Topographic Drainage Boundary
Drainage Area Boundaries
City Storm Drains
WQMP 85% Design Isohyetal Map
Rain Gauges
Isoheyetal Minor Contours
Isoheyetal Major Contours
CRP (Contol Release Point)
FEMA Flood Plain
Flood Plain - Other Special Studies
As-Built Plans
Groundwater Data
U.S. Fish and Wildlife Critical Habitat
1mi
Identify Features
Click on map to view data.
06065C_06065C_184 (Fema Flood Zones)
OBJECTID_1 380
OBJECTID 368
DFIRM_ID 06065C
VERSION_ID 1.1.1.0
FLD_AR_ID 06065C_06065C_184
STUDY_TYP NP
ZONE_SUBTY 0.2 PCT ANNUAL CHANCE
SFHA_TF F
STATIC_BFE -9999
V_DATUM
DEPTH -9999
LEN_UNIT
VELOCITY -9999
Perris Reservoir
PROJECT SITE (0.63 inches)

Santa Ana Watershed - BMP Design Volume, V_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name	Thienes Engineering, Inc.	Date	3/16/2023
Designed by	Luis Prado	Case No	
Company Project Number/Name	Harley Knox Industrial Development, Perris (4066)		

BMP Identification

BMP NAME / ID: STC-A & MWS-A / DMA A

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E

D_{85} = 0.63 inches

Drainage Management Area Tabulation

Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	Design Storm Depth (in)	Design Capture Volume, V_{BMP} (cubic feet)	Proposed Volume on Plans (cubic feet)
A-1	953964	Roofs	1	0.89	850935.9			
A-2	50094	Ornamental Landscaping	0.1	0.11	5533.3			

MWS VOLUME BASED SIZING SHEET

Project Information

Project ID	
Project Name	Harley Knox Industrial Development (DMA A)
Project Location	Harley Knox Blvd, Perris
Date	3/16/2023



Horizontal Flow Biofiltration System

SIZING CALCULATIONS	Inputs	Units	Notes/References
Impervious Area			
BMP Drainage Area (not required - manual entry - not part of formula)	23.05	Acres	This includes all areas that will contribute runoff to the proposed BMP, including pervious areas, impervious areas, and off-site areas, whether or not they are directly or indirectly connected to the BMP.
Watershed Impervious Ratio (not required - manual entry - not part of formula)			Watershed Imperviousness Ratio", is equal to the percent of total impervious area in the "BMP Drainage Area" divided by 100
Runoff Coefficient "C" (not required - manual entry - not part of formula)			
Water Quality Volume (required)	44965	cubic feet	Use sizing procedures provided by state or local agencies to determine the appropriate Water Quality Volume. Intensities and design storms vary widely by region and method.
Design Storm Duration	0	hours	Varies depending on geographical region. Set at 0 for pump system set up. LA County 3 hours. Call for details.
MWS Sizing			
WetlandMod Model Number (from matrix)	MWS-L-10-20		Please choose size from "Model Size Matrix" Tab
HGL	3.4		Treatment Hydraulic Grade Line
# Of Units	1	quantity	Select the number of systems required to treat the water quality volume. Will very depending on drain down time regulaitons.
Discharge Rate (from matrix)	78.50	gallons/minute	Loading Rate of 0.26 gpm/sq ft or 25 in/hr. Field Verified.
Volume Treated During Event			
Processed through MWS - Linear	0	cubic feet	78.4992 gals/minute
Volume Treated Following Event			
MWS Static Capacity (from matrix)	428.67	cubic feet	
Volume Needed in *Pre-Storage*	44536	cubic feet	Set at zero to start. Size pre-storage system to hold this volume
			Sizing complete when eqaul to value of zero.
TOTAL STORMWATER TREATED	44965	cubic feet	Note: This amount should be equal to the "Water Quality Volume"
Drain Down Time	71.60	hours	Drain down time must be equal to or less than requirement of local juristiction. Default 48 hours.

Feel free to call or email proposed sizing calculations to Modular Wetlands Systems for assistance with sizing, compliance, and design.

Phone: 1-800-338-1122

Email: info@conteches.com

CONTECH ENGINEERED SOLUTIONS
A QUIKRETE COMPANY

StormTech
Detention • Retention • Recharge
Subsurface Stormwater Management℠

MC-3500 Site Calculator

Project Information:

Project Name:	Harley Knox Industrial Development (DMA A)
Location:	Perris, CA
Date:	16-Mar
Engineer:	Thienes Engineering Inc.
StormTech RPM:	

System Requirements

Units		Imperial	
Required Storage Volume		44536	CF
Stone Porosity (Industry Standard = 40%)		40	%
Stone Above Chambers	(12 inch min.)	12	inches
Stone Foundation Depth	(9 inch min.)	30	inches
Average Cover over Chambers	(24 inch min.)	24	inches
Bed size controlled by WIDTH or LENGTH?		WIDTH	
Limiting WIDTH or LENGTH dimension		50	feet
Storage Volume per Chamber		214.9	CF
Storage Volume per End Cap		58.9	CF

System Sizing

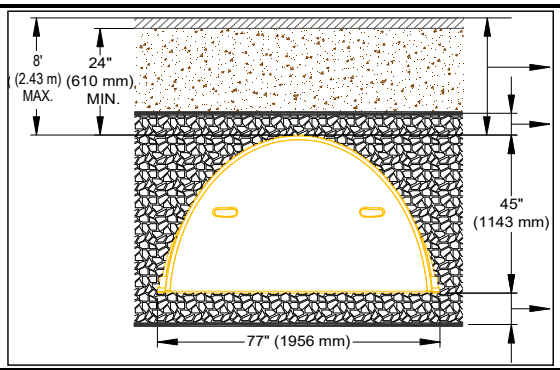
Number of Chambers Required	204	each
Number of End Caps Required	12	each
Bed Size (including perimeter stone)	10,994	square feet
Stone Required (including perimeter stone)	2965	tons
Volume of Excavation	3359	cubic yards
Non-woven Filter Fabric Required (20% Safety Factor)	3498	square yards
Length of Isolator Row	248.4	feet
Non-woven Isolator Row Fabric (20% Safety Factor)	431	square yards
Woven Isolator Row Fabric (20% Safety Factor)	547	square yards
Installed Storage Volume	44,546	cubic feet

Controlled by Width (Rows)

Maximum Width =	50	feet

6 rows of 34 chambers

Maximum Length =	248.44	feet
Maximum Width =	44.25	feet



*This represents the estimated material and site work costs (US dollars) for the project. Materials excluded from this estimate are conveyance pipe, pavement design, etc. It is always advisable to seek detailed construction costs from local installers. Please contact STORMTECH at 888-892-2694 for additional cost information.

Santa Ana Watershed - BMP Design Flow Rate, Q_{BMP}

(Rev. 10-2011)

Legend: Required Entries / Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook**)*

Company Name	Thienes Engineering, Inc.	Date	3/17/2023
Designed by	Luis Prado	Case No	
Company Project Number/Name	Harley Knox Industrial Development, Perris (4066)		

BMP Identification

BMP NAME / ID: CDS-A

Must match Name/ID used on BMP Design Calculation Sheet

Design Rainfall Depth

Design Rainfall Intensity I = 0.20 in/hr

Drainage Management Area Tabulation

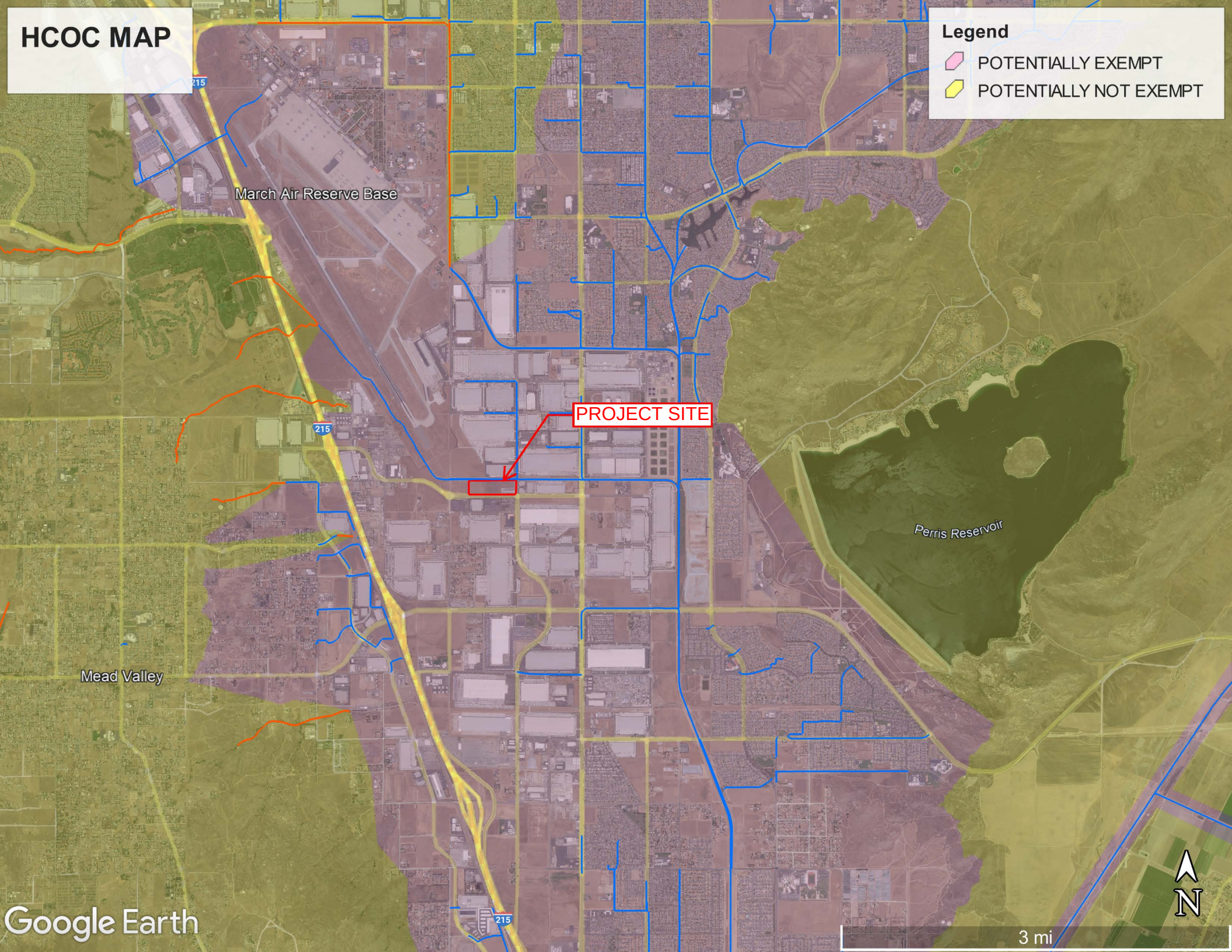
Insert additional rows if needed to accommodate all DMAs draining to the BMP

DMAs

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type (use pull-down menu)	Effective Imperivous Fraction, I_f	DMA Runoff Factor	DMA Areas x Runoff Factor	*Design Rainfall Intensity (in/hr)*	*Design Flow Rate (cfs)*	*Proposed Flow Rate (cfs)*
A-1	*953964*	*Roofs*	*1*	*0.89*	*850935.9*			
A-2	*50094*	*Ornamental Landscaping*	*0.1*	*0.110458*	*5533.3*			

Appendix 7: Hydromodification

Supporting Detail Relating to Hydrologic Conditions of Concern


HCOC MAP
Legend
POTENTIALLY EXEMPT
POTENTIALLY NOT EXEMPT
March Air Reserve Base
PROJECT SITE
Perris Reservoir
Mead Valley
215
Google Earth
3 mi
N

Appendix 8: Source Control

Pollutant Sources/Source Control Checklist

Appendix 9: O&M

Operation and Maintenance Plan and Documentation of Finance, Maintenance and Recording Mechanisms

Appendix 10: Educational Materials

BMP Fact Sheets, Maintenance Guidelines and Other End-User BMP Information

INTIAL STUDY – APPENDIX G

Hydrological Report

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING

PRELIMINARY HYDROLOGY STUDY

FOR

HARLEY KNOX INDUSTRIAL DEVELOPMENT
657 HARLEY KNOX BOULEVARD
PERRIS, CALIFORNIA

-

PREPARED FOR

FIRST INDUSTRIAL REALTY TRUST, INC.
898 N. PACIFIC COAST HIGHWAY BLVD., SUITE 175
EL SEGUNDO, CA 90245
PHONE: (310) 414-5400
FAX: (310) 414-5462

FEBRUARY 14, 2022
REVISED MAY 20, 2022

JOB NO. 4066

PREPARED BY

THIENES ENGINEERING
14349 FIRESTONE BLVD.
LA MIRADA, CALIFORNIA 90638
(714) 521-4811

PRELIMINARY HYDROLOGY STUDY

FOR

HARLEY KNOX INDUSTRIAL DEVELOPMENT

PREPARED UNDER
THE SUPERVISION OF





_____
REINHARD STENZEL , PE
R.C.E. 56155
EXP. 12/31/22

INTRODUCTION

A: PROJECT LOCATION

The project site in located on the northerly side of Harley Knox Boulevard west of Indian Avenue. Please see next page for vicinity map.

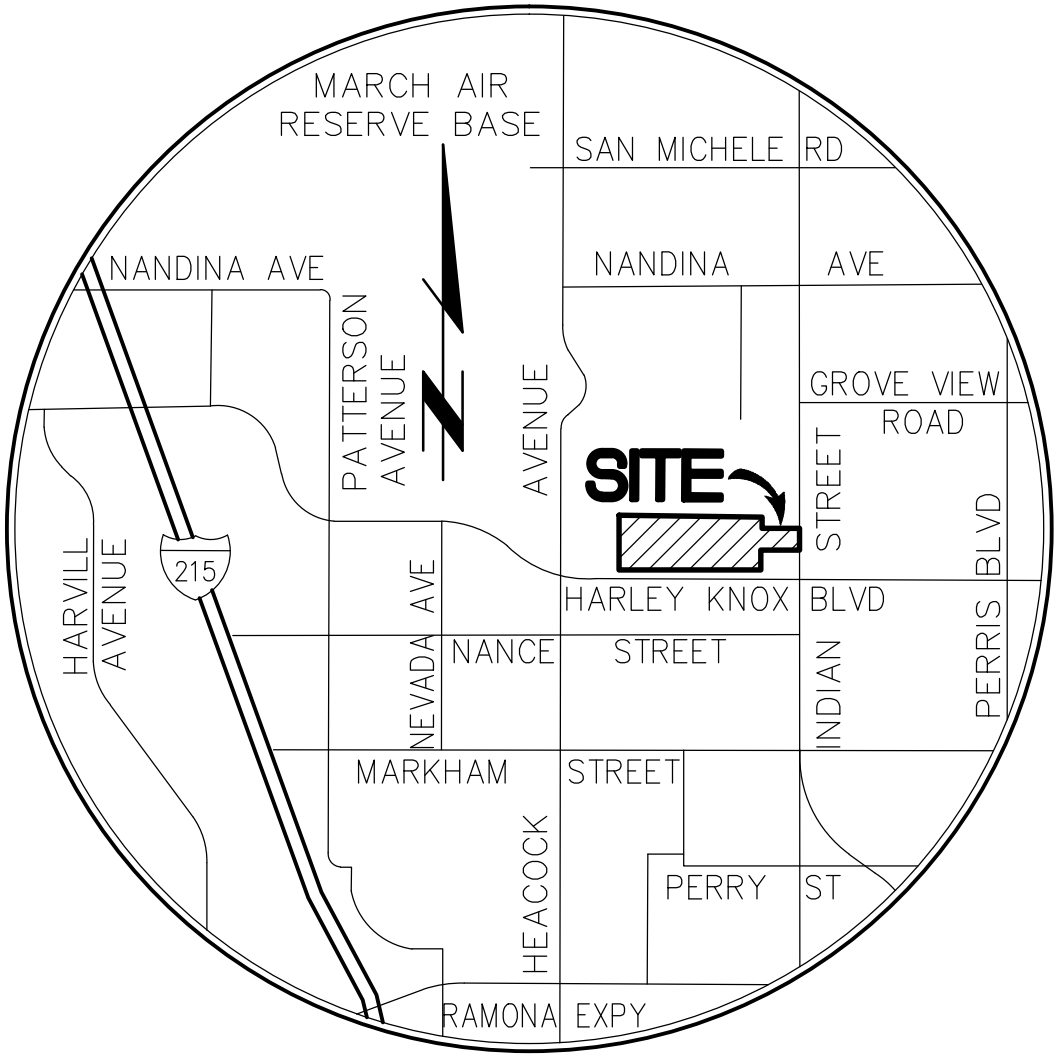
B: STUDY PURPOSE

The purpose of this study is to determine existing and proposed condition 100-year peak flow rates for the project site. Flow ultimately discharge to Perris Valley Storm Channel, Lateral B.

C: PROJECT STAFF:

Thienes Engineering staff involved in this study include:

Reinhard Stenzel
Brian Weil



VICINTY MAP

N.T.S.

DISCUSSION

The project site encompasses approximately 21.58 acres. Proposed improvements include one warehouse type building with approximately 348,000 square feet. There is a truck dock area located on the northerly side of the building with additional trailer parking at the easterly portion of the site. Vehicle parking is located on the southerly portion of the site. There is a bioretention area at the northwest corner of the site and other landscaped areas throughout.

Master Plan Hydrology

From the Master Drainage Plan of the Perris Valley Area (dated June 1991), the site has been tabled to Line "D" which is generally located in Markham Street, and Nance Street. However, Webb and Associates updated the Master Drainage Plan for Line "D" which reduces area to Line D and tables other areas to Lines "E-3" and "E-11". From this map, the project site has now been tabled northerly to Perris Valley Storm Channel, Lateral "B".

Riverside County Flood Control and Water Conservation District has acknowledged that the site can drain to this Channel, but flows must be limited to existing conditions (undeveloped).

FEMA Flood Zones

The project site is located within Flood Zone X (unshaded) and Zone D per Map Number 06065C1430H, Effective August 18, 2014. Flood Zone X (unshaded) is described as "areas determined to be outside the 0.2% annual chance floodplain". Flood Zone D is described as "areas in which flood hazards are undetermined, but possible". See Appendix "A" for reference FIRM.

Existing Storm Drains

The Perris Valley Storm Channel, Lateral "B" is adjacent to the northerly property line. The channel has a base width of 46', depth of 9.0' with 2:1 sideslopes. This is a Riverside County Flood Control and Water Conservation District facility.

There is an existing 18" storm drain in Harley Knox adjacent to the neighboring development to the east. This storm drain conveys runoff easterly in Harley Knox then northerly in Indian Avenue to the Perris Valley Storm Channel. This appears to be a City of Perris storm drain.

See Appendix "A" for reference storm drain plans.

Existing Condition

The site is currently a vacant dirt lot with natural weeds and grasses. The site is relatively flat. The westerly portion of the site (nodes 100-101 and 110-111 on existing condition hydrology map) tends to drain southerly to Harley Knox Boulevard. The respective 100-year peak flow rates to Harley Knox are approximately 10.8 cfs and 8.4 cfs.

The easterly portion of the site (nodes 200-201) tends to drain easterly towards Indian Avenue. The 100-year existing condition peak flow rate at this location is approximately 5.8 cfs

See Appendix "B" for existing condition hydrology calculations and Appendix "D" for hydrology map.

Proposed Condition

Runoff from the westerly parking lot, the northerly truck yard, and the northerly portion of the proposed building (nodes 100-107 on proposed condition hydrology map) drains to catch basins in the parking lot and truck yard. A proposed storm drain conveys runoff easterly.

Runoff from the southerly parking lot and the southerly portion of the building (nodes 200-203) drain to catch basins located in the parking area. A proposed storm drain conveys runoff easterly then to the north and confluences with the previously mentioned storm drain (at node 204). The storm drain continues easterly. The easterly truck parking lot (nodes 205-206) is intercepted in catch basins and conveyed to this storm drain. The onsite storm drain then connects to the Perris Valley Storm Channel.

The proposed condition 100-year peak flow rate is approximately 52.7 cfs undetained.

See Appendix "B" for proposed condition hydrology calculations and Appendix "D" for hydrology map.

Detention

For final design, Riverside County typically requires detention analysis for the 1-hour, 3-hour, 6-hour and 24-hour duration events for the 2-year, 5-year and 10-year return frequencies. Detention basin and outlet sizing will ensure that none of these storm events has a higher peak discharge in the post-development condition than in the pre-development condition.

Hydrographs for the above events were established for both existing (pre-developed) and proposed (commercial) development conditions. Hydrograph parameters are as follows:

- For the 2-year and 5-year events, the loss rate will be determined using an AMC I condition. For the 10-year event, AMC II was used.

- Undeveloped condition Low Loss=90%
- Basin site Low Loss=10%
- Rainfall values from the Riverside County Hydrology Manual

For preliminary design purposes, sizing may be based on the difference in runoff hydrograph volume between the "developed" condition and the "pre-developed" condition for the 24-hour duration event for the 10-year return frequency.

Hydrographs were established using the area of the project site (site only, no offsite area) for the existing and proposed condition for the 1-hour, 3-hour, 6-hour and 24-hour events for the 10-year storm frequency. The following table summarizes pre- and post-development peak flow rates for the specified events:

Event	Existing Condition	Proposed Condition	Difference
10-Year 1-hour	31.4 cfs	38.3 cfs	+6.9 cfs
10-Year 3-hour	17.0 cfs	22.8 cfs	+5.8 cfs
10-Year 6-hour	13.4 cfs	19.4 cfs	+6.0 cfs
10-Year 24-hour	2.5 cfs	7.2 cfs	+4.7 cfs

The following table summarizes the volumes for the specified storm events:

Event	Existing Condition	Proposed Condition	Difference
10-Year 1-hour	0.88 ac-ft	1.29 ac-ft	+0.41 ac-ft
10-Year 3-hour	0.88 ac-ft	2.04 ac-ft	+1.16 ac-ft
10-Year 6-hour	0.85 ac-ft	2.63 ac-ft	+1.78 ac-ft
10-Year 24-hour	0.60 ac-ft	4.37 ac-ft	+3.77 ac-ft

From the above table, the largest difference in volume is approximately 3.77 acre-feet. This volume has been provided in the truck and trailer yard at a maximum depth of 1.60'. Final design will include basin routing.

See Appendix "C" for proposed and existing condition hydrographs.

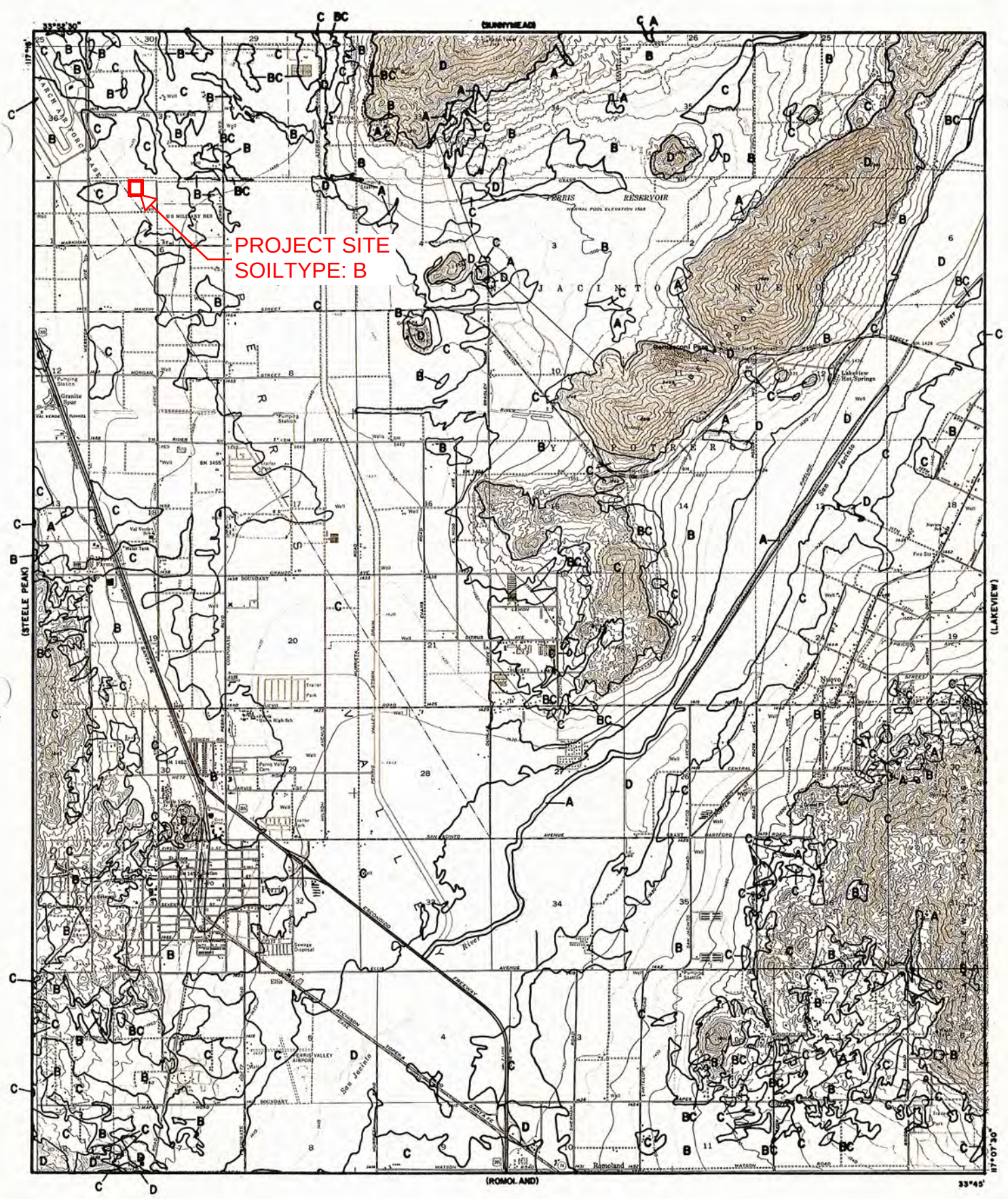
Methodology

Hydrology calculations were computed using Riverside County's Rational Method Program (by AES Software). The soil type is "B" per the Riverside County Hydrology Manual (see Appendix "A"). Hydrographs were computed using CivilD Software.

APPENDIX	DESCRIPTION
A	REFERENCE MATERIALS
B	HYDROLOGY CALCULATIONS EXISTING CONDITION PROOSED CONDITION
C	DETENTION ANALYSIS
D	HYDROLOGY MAP

APPENDIX A

REFERENCE MATERIALS



LEGEND

—— SOILS GROUP BOUNDARY

A SOILS GROUP DESIGNATION

RCFC&WCD

HYDROLOGY MANUAL

N

0 FEET 5000

HYDROLOGIC SOILS GROUP MAP FOR PERRIS

PLATE C-1.30

PROJECT SITE

NOTES:
1. Slope of Intensity-Duration Curve based on District analysis of automatic recording rain gage records

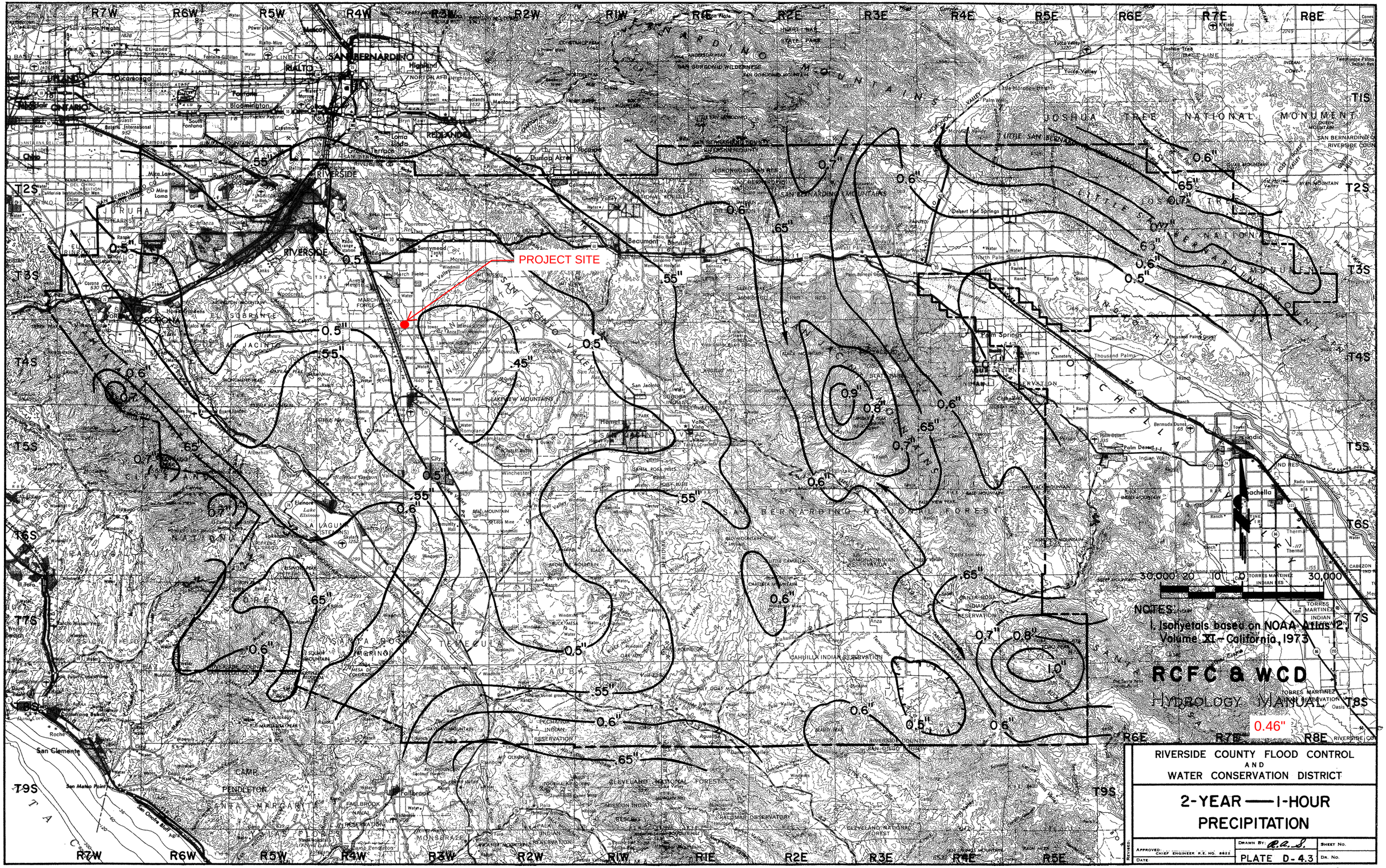
RCFC & WCD
HYDROLOGY MANUAL

0.50

RIVERSIDE COUNTY FLOOD CONTROL
AND
WATER CONSERVATION DISTRICT

SLOPE OF INTENSITY DURATION CURVE

REVISED	DRAWN BY: R.A.S.	SHEET NO.
APPROVED CHIEF ENGINEER R.E. NO. 8822		
DATE	PLATE D-4.6	DR. No.


PROJECT SITE
0.46"
NOTES:
1. Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973
RCFC & WCD
HYDROLOGY MANUAL
RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT
2-YEAR — 1-HOUR PRECIPITATION
DRAWN BY: R.A.S.
PLATE D-4.3
SHEET No.
DR. No.
APPROVED CHIEF ENGINEER R.E. NO. 8822
DATE
REVISED:

PROJECT SITE

1.23"

NOTES:
1. Isohyetals based on NOAA Atlas 2, Volume XI - California, 1973

RCFC & WCD
HYDROLOGY MANUAL

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

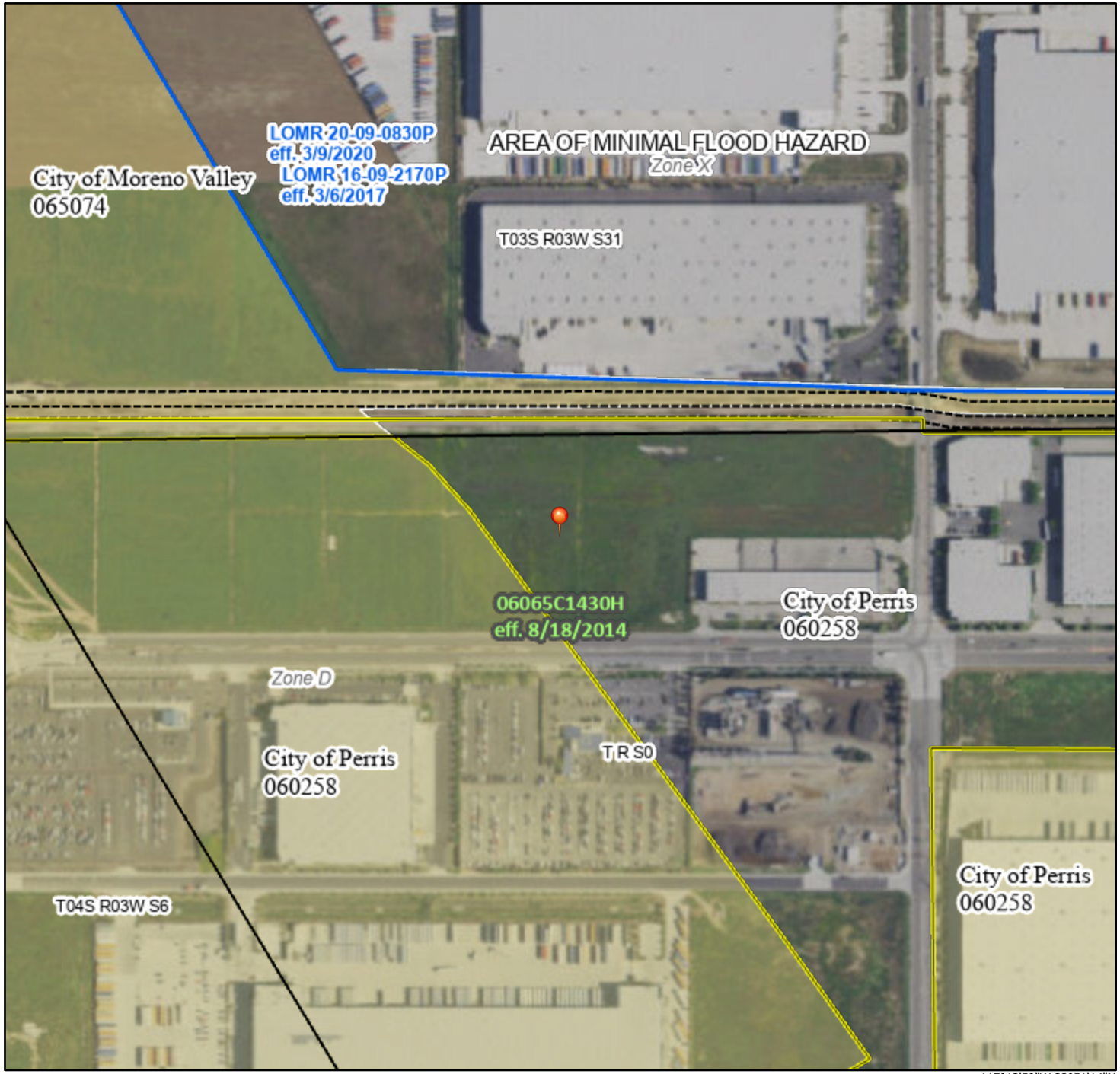
100-YEAR — 1-HOUR PRECIPITATION

APPROVED: CHIEF ENGINEER R.E. NO. 6822
DATE
REVISED
DRAWN BY: A.A.S.
SHEET NO.
PLATE D-4.4
DR. NO.

National Flood Hazard Layer FIRMette

FEMA

117°14'36"W 33°51'44"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

117°13'59"W 33°51'14"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 Cross Sections with 1% Annual Chance
- 17.5 Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/15/2021 at 2:48 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

THIS AREA TIES DIRECTLY TO PVSD LATERAL B

INDIAN T.

HARLEY KNOX BLVD.

NANCE ST.

NORTH PERRIS BLVD.

REDLANDS AVE.

LINE D FLOW FROM THIS AREA DETERMINED BY SYNTHETIC UNIT HYDROGRAPH. LATERAL D-3 FLOW FROM THIS AREA DETERMINED BY RATIONAL HYDROLOGY

LAT D-2

LAT D-3

MARKHAM ST.

LINE D FLOW FROM THIS AREA DETERMINED BY SYNTHETIC UNIT HYDROGRAPH.

INDIAN ST.

LINE D

Q_{100}=236 cfs

Q_{100}=252 cfs

Q_{100}=411 cfs

Q_{100}=443 cfs

Q_{100}=533 cfs

Q_{100}=559 cfs

Q_{100}=551 cfs

Q_{100}=575 cfs

Q_{100}=691 cfs

Q_{100}=128 cfs

Q_{100}=187 cfs

Q_{100}=200 cfs

Perris Valley MDP E-3
Tributary Area=134 acres

Perris Valley MDP E-11
Tributary Area=108.3 acres

LEGEND

HYD BOUNDRY

HYD SUB-AREA

STORMDRAIN

NODE ELEVATION (106 / 83.0)

AREA LENGTH (9.5 AC / 700')

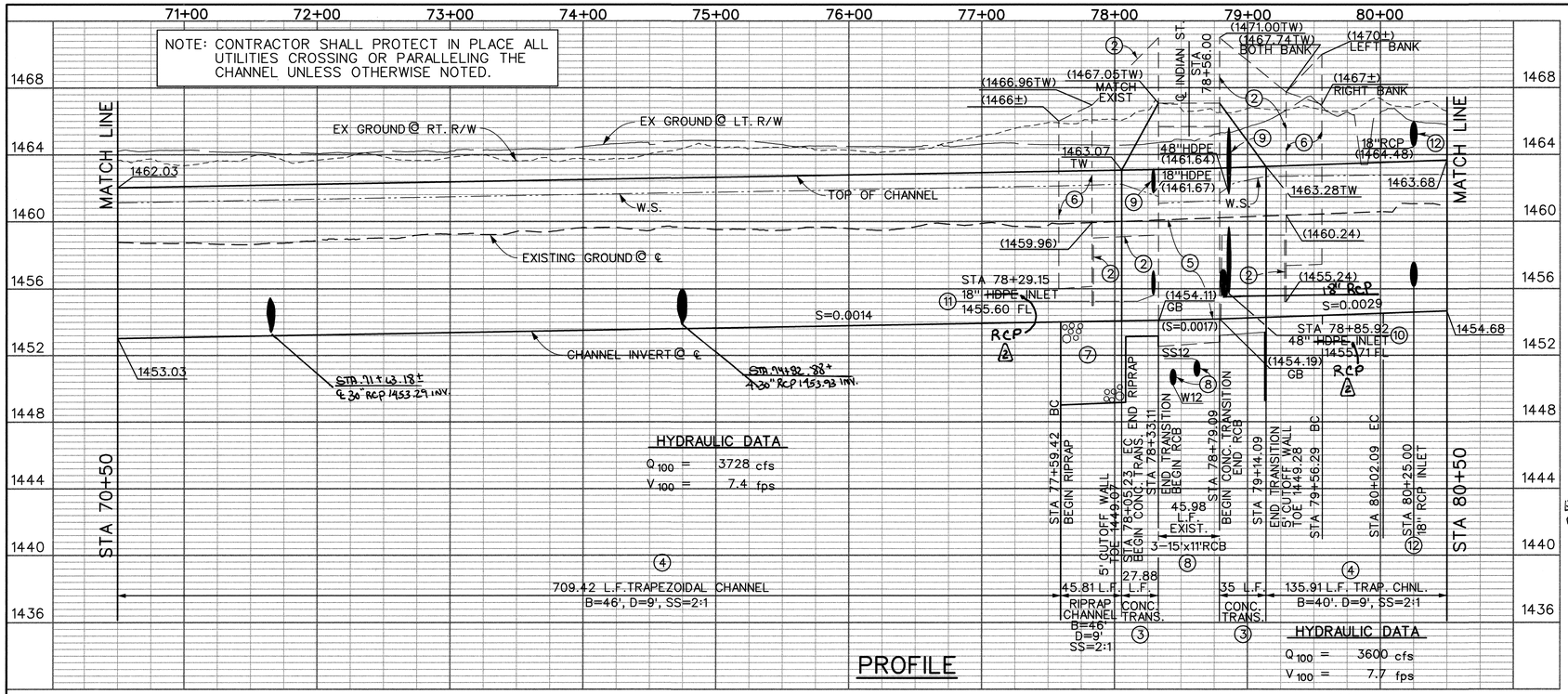
GRAPHIC SCALE 1"=200'
0 200 400 600

LINE D HYDROLOGY

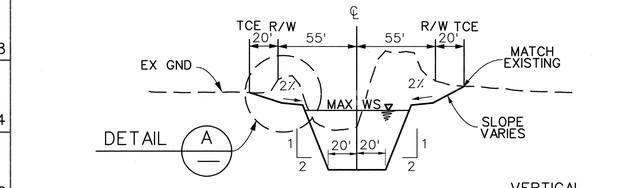
PERRIS VALLEY COMMERCE CENTER
SPECIFIC PLAN
LINE D
HYDROLOGY MAP

SCALE 1" = 200'	ALBERT A. WEBB ASSOCIATES CIVIL ENGINEERS 3788 MCRAY ST. RIVERSIDE CA. 92506 (951) 686-1070	W.O. 08-2313
DATE 5/4/2009		SHEET 1
DESIGNED		OF 1 SHEETS
DRAWN		
PLN CK REF.	PLD: K:\2008\08-2313\PHD & PROWD-Line_D.pro PLOT DATE:5/29/2009	DWG. NO. 08-2313LINE D.PRO
F.B.		

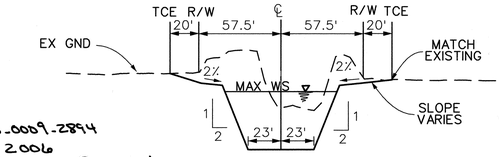
NOTE: CONTRACTOR SHALL PROTECT IN PLACE ALL UTILITIES CROSSING OR PARALLELING THE CHANNEL UNLESS OTHERWISE NOTED.



PROFILE

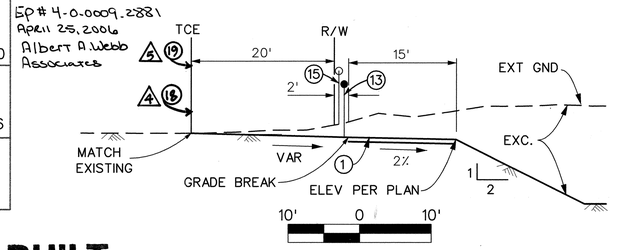


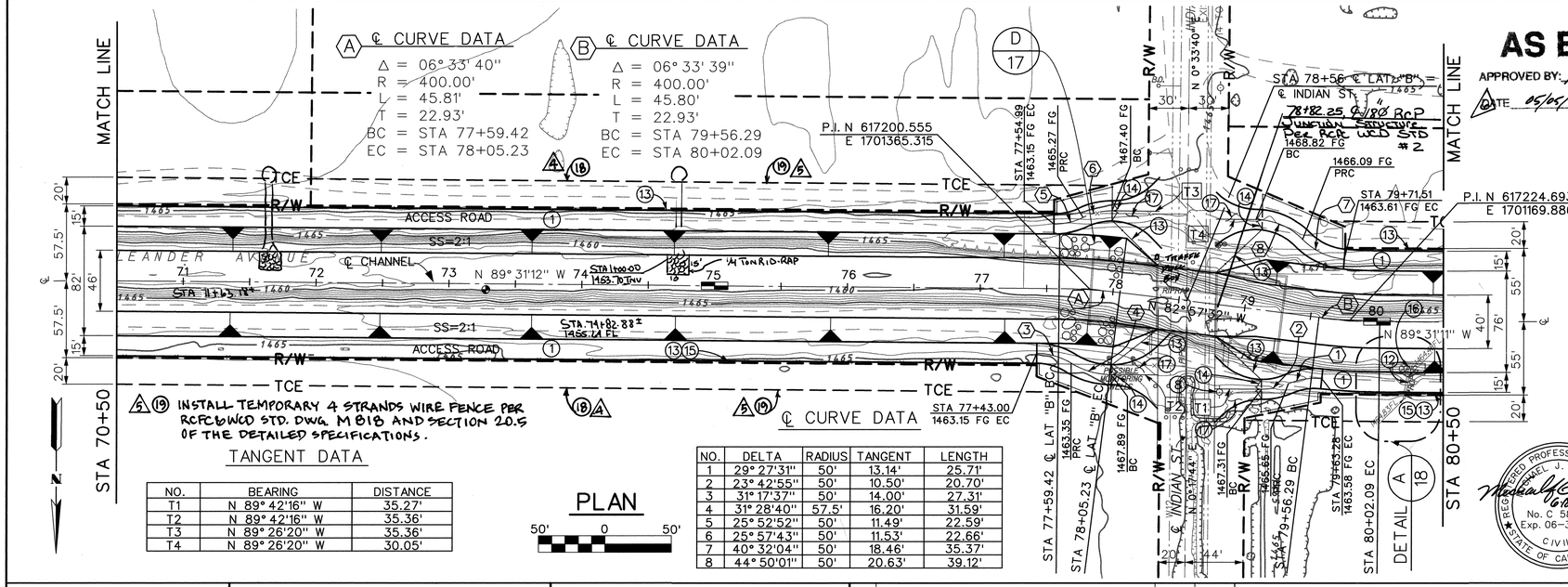
SECTION AT STA 80+00



EP# 4-0-0009-2894
May 30, 2006
Land Development Corporation

SECTION AT STA 75+00





TANGENT DATA

NO.	BEARING	DISTANCE
T1	N 89° 42'16" W	35.27'
T2	N 89° 42'16" W	35.36'
T3	N 89° 26'20" W	35.36'
T4	N 89° 26'20" W	30.05'

NO.	DELTA	RADIUS	TANGENT	LENGTH
1	29° 27'31"	50'	13.14'	25.71'
2	23° 42'55"	50'	10.50'	20.70'
3	31° 17'37"	50'	14.00'	27.31'
4	31° 28'40"	57.5'	16.20'	31.59'
5	25° 52'52"	50'	11.49'	22.59'
6	25° 57'43"	50'	11.53'	22.66'
7	40° 32'04"	50'	18.46'	35.37'
8	44° 50'01"	50'	20.63'	39.12'

PLAN

50' 0 50'

AS BUILT

APPROVED BY: Dale Cochran

DATE 05/05/06

ACCESS ROAD DET. A 17

NOTES

1. CONSTRUCT 15' WIDE ACCESS ROAD PER DETAIL "A" HEREON. PLACE 3" CRUSHED SLAG AGGREGATE OR APPROVED EQUIVALENT
2. REMOVE EXISTING REINFORCED CONCRETE TRANSITION AND CUTOFF WALLS
3. CONSTRUCT CONCRETE WARPED WINGWALL WITH STIFFENING BEAM PER CALTRANS STD. D86A. REINFORCE 2:1 ELEMENT AS 1.5:1 REINFORCEMENT. CONNECT TO EXIST. RCB PER DETAIL G, SHEET 17.
4. CONSTRUCT TRAPEZOIDAL CHANNEL PER TYPICAL SECTION SHOWN HEREON
5. REMOVE AND DISPOSE EXIST. UNCLASSIFIED NATIVE EARTH FILL
6. REMOVE AND DISPOSE EXIST. RIPRAP
7. CONSTRUCT 5' THICK LIGHT CLASS RIPRAP WITH TYPE A RSP FABRIC PER PROFILE AND DETAIL ON SHEET 17
8. RELOCATE POWER POLE BY OTHERS
9. REMOVE AND DISPOSE EXISTING FLAP GATE
10. REMOVE AND REPLACE EXIST. 8'-48" HDPE STUB. INSTALL CONCRETE BULKHEAD AT UPSTREAM END PER RCFC&WCD STD.DWG. M816
11. REMOVE AND REPLACE EXIST. 8'-18" HDPE STUB. INSTALL ~~TIMBER~~ BULKHEAD AT concrete UPSTREAM END PER RCFC&WCD STD.DWG. ~~M804~~ M816
12. REMOVE AND REPLACE EXIST. 18" RCP PER DETAILS ON SHEET 18
13. CONSTRUCT 6' CHAIN LINK FENCE PER RCFC&WCD STD. DWG. M801
14. CONSTRUCT 14' DOUBLE DRIVE GATE PER RCFC&WCD STD. DWG. M801
15. REMOVE AND DISPOSE EXISTING FENCE
16. REMOVE AND DISPOSE EXISTING CONCRETE
17. CONSTRUCT 4" AC OVER COMPACTED NATIVE MATERIAL ACCESS ROAD APPROACH FROM INDIAN ST. EP TO PROPOSED GATE
18. ~~INSTALL TEMPORARY 3 STRAND WIRE FENCE~~

REGISTERED PROFESSIONAL ENGINEER — Michael J. Gentry — 6/8/2006 — No. C 58953 Exp. 06-30-07 — CIVIL — STATE OF CALIFORNIA

Don't Dig...Until You Call U.S.A. Toll Free 1-800-227-2600 for the location of buried utility lines. Don't disrupt vital services. TWO WORKING DAYS BEFORE YOU DIG

PSOMAS
1700 Iowa Avenue, Suite 160
Riverside, CA 92507
(909) 787-8421 (909) 682-3379 (FAX)

PERMANENT BENCH MARK B.M. NO. M-30 AT THE INTERSECTION OF PERRIS BLVD. AND OLEANDER (BRIDGE #53O9); 24.0 FEET WEST OF PERRIS BLVD.; 5.5 FEET SOUTH OF THE NORTHERLY END OF A 12 INCH X 48 FOOT CONCRETE HEADWALL; A BRASS DISK SET IN THE TOP OF A CONCRETE HEADWALL AND MARKED M-30 1963 1464.219 EL.

P8/233381 REVISIONS

REF.	DESCRIPTION	APPR.	DATE
1	Note Revised	cf	1/26/04
2	Pipe Type Revised	cf	2/25/04
3	NOTE ADDED	cf	2/25/04
4	NOTE DELETED	cf	4/8/04
5	NOTE ADDED	cf	4/16/04
6	ADDED TRAFFIC CABLE PULL BOX (ASB)	MW	5/20/04

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

DESIGNED BY: MJG
DRAWN BY: SC
DATE DRAWN: JUNE 2003
CHECKED BY: TH

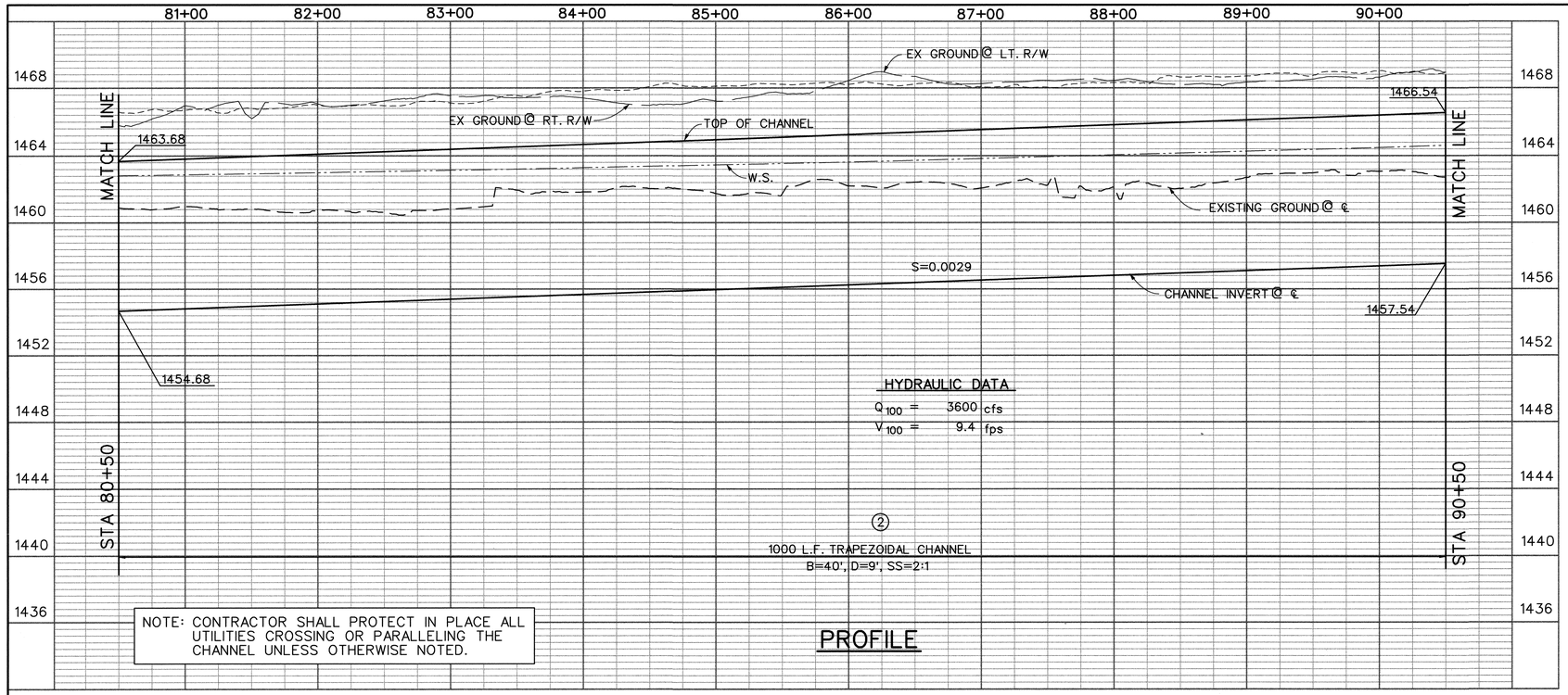
RECOMMENDED FOR APPROVAL BY: DESIGN ENGINEER R.E. No. 30539 DATE: 7/7/03

APPROVED BY: CHIEF ENGINEER R.E. NO. 32336 DATE: 2/24/04

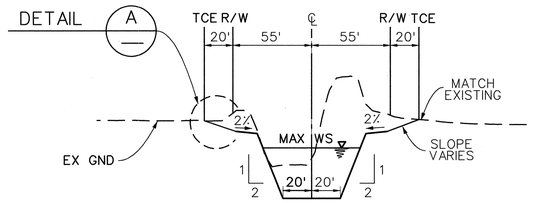
PERRIS VALLEY CHANNEL LATERAL "B" STAGE 2

STA 70+50 TO STA 80+50

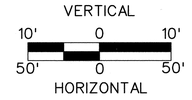
PROJECT NO. 4-0-0009
DRAWING NO. 4-791
SHEET NO. 9 OF 62

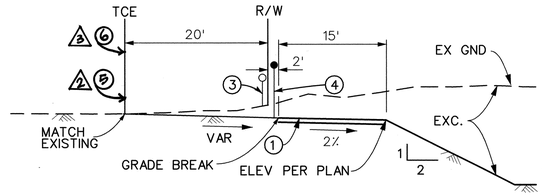


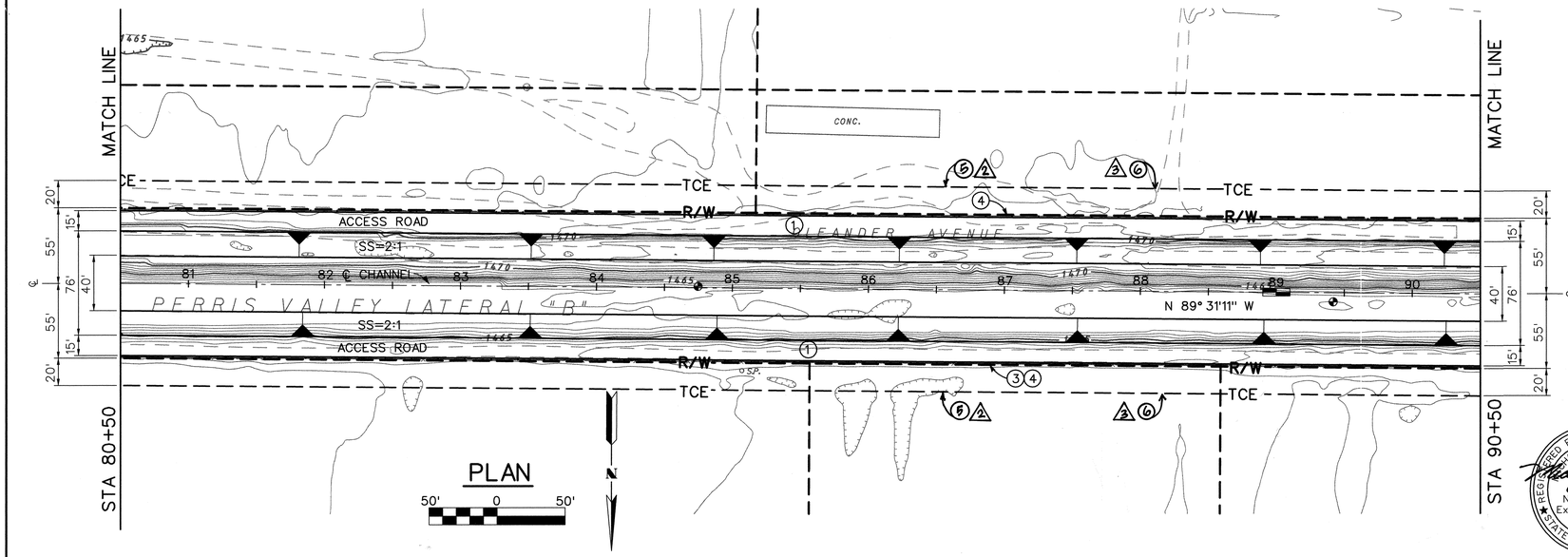
PROFILE



SECTION AT STA 89+00







PLAN

50' 0 50'

10' 0 10'

ACCESS ROAD DET. A

AS BUILT

APPROVED BY: Dale Sisk

DATE 05/05/06

NOTES

1. CONSTRUCT 15' WIDE ACCESS ROAD PER DETAIL "A" HEREON. PLACE 3" CRUSHED SLAG AGGREGATE OR APPROVED EQUIVALENT
2. CONSTRUCT TRAPEZOIDAL CHANNEL PER TYPICAL SECTION SHOWN HEREON
3. REMOVE AND DISPOSE EXISTING FENCE
4. CONSTRUCT 6' CHAIN LINK FENCE PER RCFC&WCD STD. DWG. M801

~~2 A 5 INSTALL TEMPORARY BARBED WIRE FENCE.~~

3 A 6 INSTALL TEMPORARY 4 STRANDS WIRE FENCE PER RCFC&WCD STD. DWG. M818 AND SECTION 20.5 OF THE DETAILED SPECIFICATIONS.

REGISTERED PROFESSIONAL ENGINEER
RACHEL J. GEMBLE
6-18-2003
No. C 58953
Exp. 06-30-07
CIVIL
STATE OF CALIFORNIA

Don't Dig...Until You Call U.S.A. Toll Free
1-800-227-2600
for the location of buried utility lines.
Don't disrupt vital services.
TWO WORKING DAYS BEFORE YOU DIG

PSOMAS
1700 Iowa Avenue, Suite 160
Riverside, CA 92507
(909) 787-8421 (909) 682-3379 (FAX)

PERMANENT BENCH MARK B.M. NO. M-30 AT THE INTERSECTION OF PERRIS BLVD. AND OLEANDER (BRIDGE #53O9); 24.0 FEET WEST OF PERRIS BLVD.; 5.5 FEET SOUTH OF THE NORTHERLY END OF A 12 INCH X 48 FOOT CONCRETE HEADWALL; A BRASS DISK SET IN THE TOP OF A CONCRETE HEADWALL AND MARKED M-30 1963 1464.219 EL.

P8/233381 REVISIONS

REF.	DESCRIPTION	APPR.	DATE
1	NOTE ADDED	CL	4/25/04
2	NOTE DELETED	CL	4/8/04
3	NOTE ADDED	CL	4/8/04

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

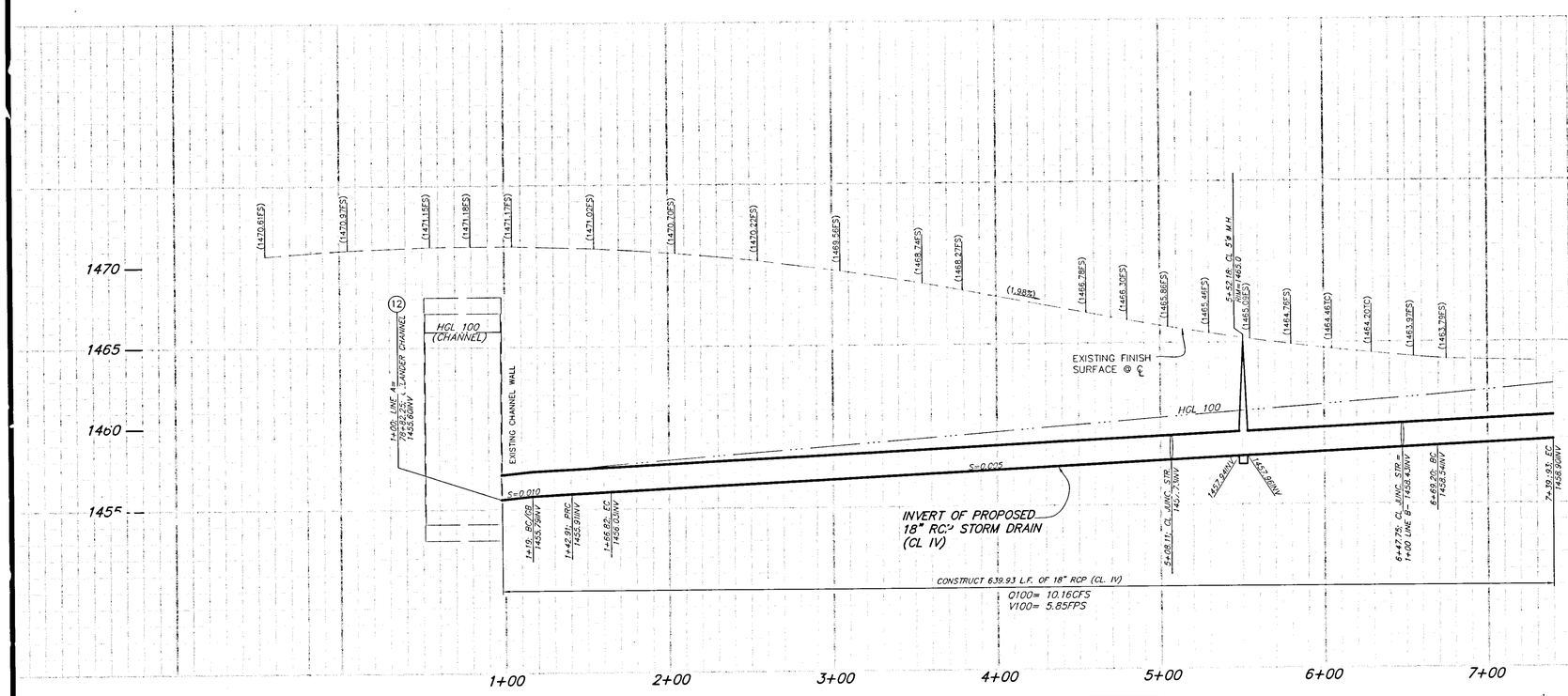
DESIGNED BY: MJG
DRAWN BY: SC
DATE DRAWN: JUNE 2003
CHECKED BY: TH

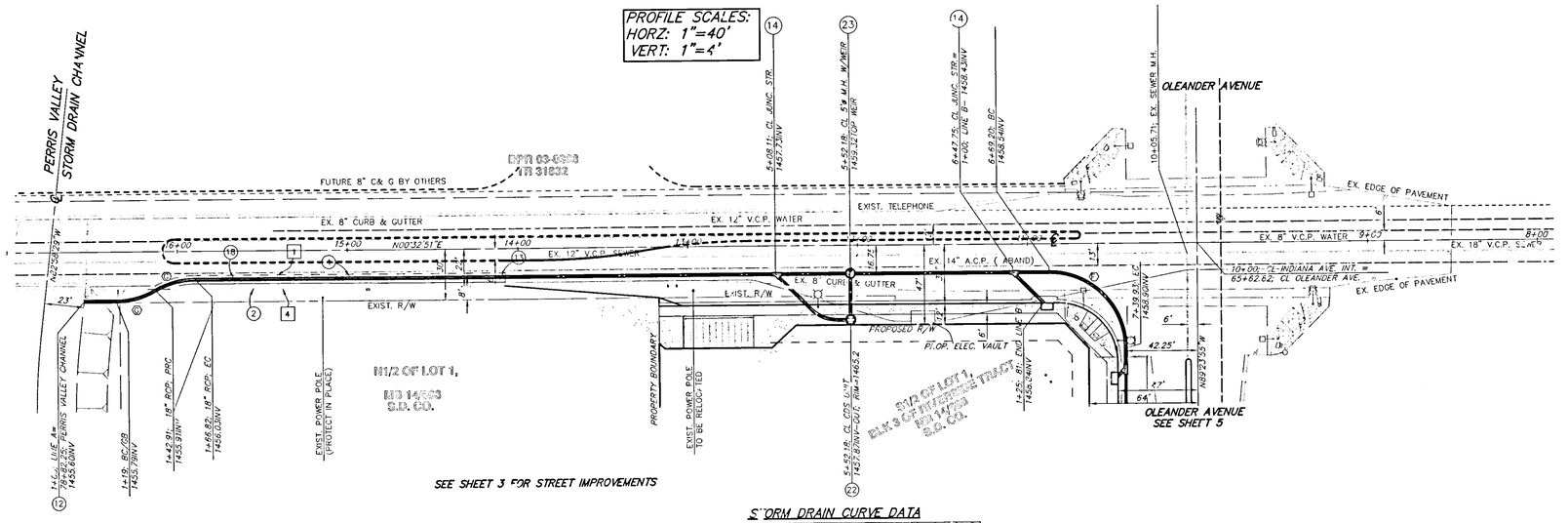
RECOMMENDED FOR APPROVAL BY: DESIGN ENGINEER R.E. No. 30539 DATE: 7/7/03

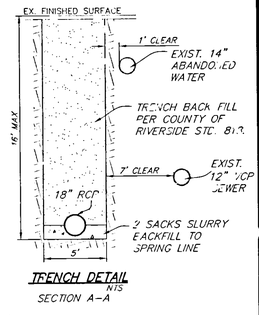
APPROVED BY: CHIEF ENGINEER R.E. NO. 32336 DATE: 7/24/04

PERRIS VALLEY CHANNEL LATERAL "B"
STAGE 2
STA 80+50 TO SAT 90+50

PROJECT NO. 4-0-0009
DRAWING NO. 4-791
SHEET NO. 10 OF 62







TRENCH DETAIL
NTS
SECTION A-A

CONSTRUCTION NOTES:

1. CONSTRUCT 3" A.C. OVER 1.8" CLASS II A.B. R-VALUE TO BE VERIFIED BY SOILS ENGINEER.
13. CONSTRUCT JUNCTION STRUCTURE PER DETAIL ON SHEET 5.
14. CONSTRUCT 18" RCP STORM DRAIN (CL IV).
15. CONSTRUCT JUNCTION STRUCTURE PER RCFC & STD. DWG. NO 2.
18. CONSTRUCT TRENCH BACK FILL PER COUNTY OF RIVERSIDE STD. 818.
22. CONSTRUCT 7'-0"S PWSU20_25 PER DETAIL ON SHEET 5.
23. CONSTRUCT PRE-CAST MANHOLE PER RIVERSIDE COUNTY STD. 606. (MODIFIED FOR 5'ø)

REMOVAL NOTES:

1. SAWCUT AND REMOVE A.C. PAVEMENT.
4. REMOVE EXISTING CURB & GUTTER.

LEGEND

ASPHALT PAVING

REMOVAL

STORM DRAIN CURVE DATA

CL	Δ DELTA	RADIUS	LENGTH	TANGENT
	90°33'14"	45.00'	70.71'	45.04'
	30°29'59"	45.00'	23.91'	12.24'
	45°00'00"	22.50'	17.67'	9.32'

NOTE:

1. CITY ENGINEER TO DETERMINE LIMIT OF PAVEMENT REMOVAL AT TIME OF CONSTRUCTION.
2. ALL WORK WITHIN THE FLOOD CONTROL RIGHT-OF-WAY SHALL REQUIRE A PERMIT FROM RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT.

INDIAN AVENUE

40 0 40 80 120

Scale 1" = 40'

DiGALERT
DIAL TOLL FREE 1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

NORTHERN PROFESSIONAL ENGINEER
KEVIN J RICHER
No. 43714
Exp. 3/31/2007
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
KEVIN J. RICHER
R.C.E. 43714 LIC. EXP. 03/31/07
DATE 7/23/06

LAND DEVELOPMENT DESIGN CORPORATION
PLANNING CIVIL SURVEYING
2312 East Philadelphia St., Ste. F
Ontario, CA 91761
(909) 930-1466
FAX (909) 930-1468

		DATE:
DRAWN BY:	KJR	08/05/05
DESIGN BY:	KJR	DATE: 08/05/05
CHECK BY:	KJR	DATE: 08/05/05
RECOMMENDED BY:		DATE:

REVISIONS

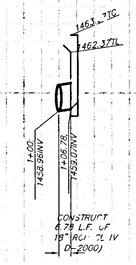
BENCH MARK:
AT THE INTERSECTION OF PERRIS BLD. AND OLEANDER (BRIDGE #53.09); 24.0 FEET WEST OF PERRIS BLD.; 5.1 FEET SOUTH OF THE NORTHERLY END OF A 12 INCH X 48 FOOT CONCRETE HEADWALL. A BRASS DISK SET IN THE TOP OF A CONCRETE HEADWALL AND MARKED M-30 1962.
ELEVATION= 1464.213

CITY OF PERRIS
APPROVED BY:
CITY ENGINEER — DATE 8-5-06

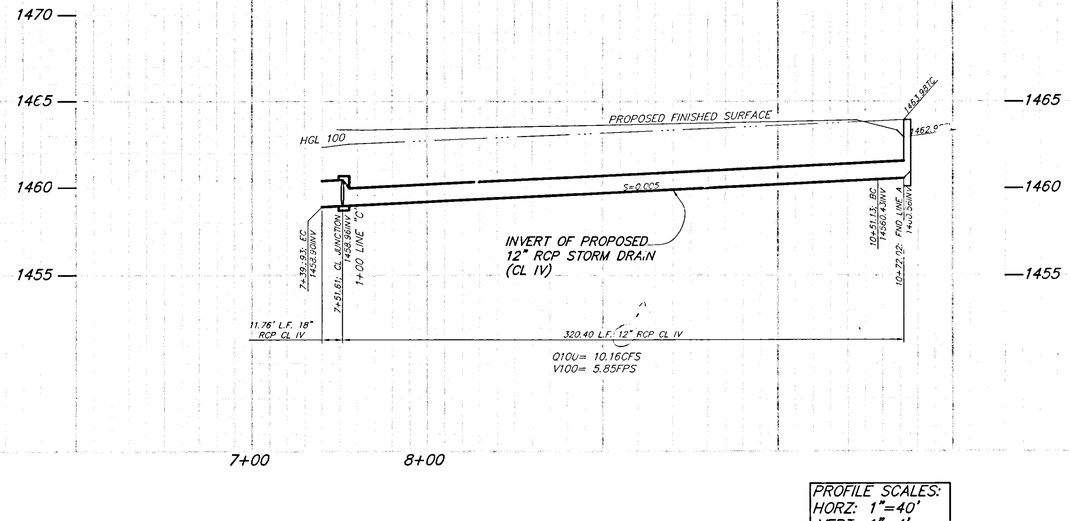
STORM DRAIN PLAN AND PROFILE
S1/2 OF LOT 1, BLK 3 RIVERSIDE TR. MB 14/668 S.D. C O.
OLEANDER AVENUE

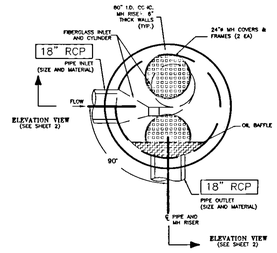
SHEET NO. 1 OF 6 SHTS
CITY FILE NO. 78-795

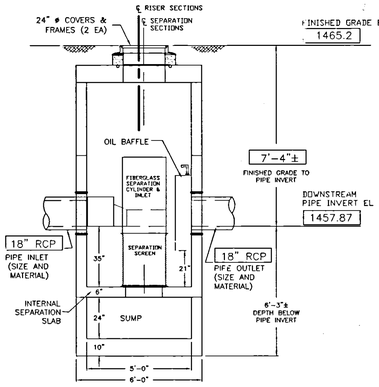
P-395



LINE "C" PROFILE





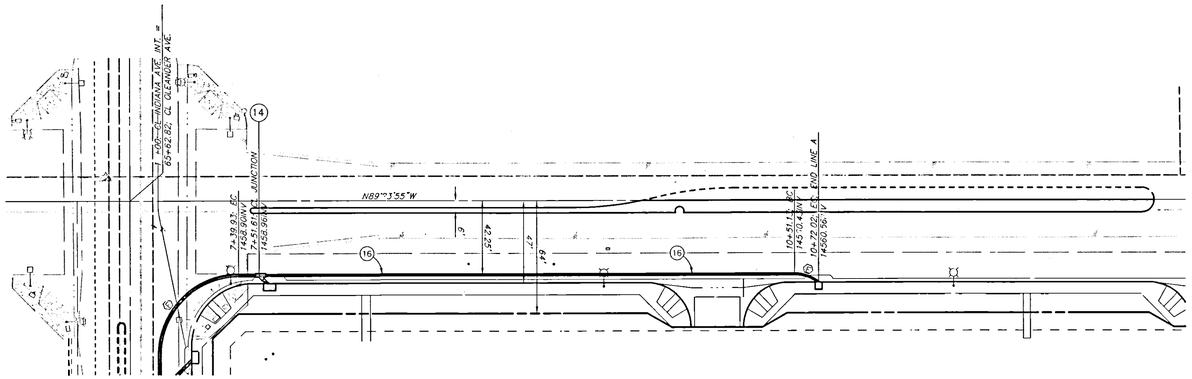


CDS DETAIL
N.T.S.

CONSTRUCTION NOTES:

(13) CONSTRUCT 18" RCP STORM DRAIN (CL IV).
(14) CONSTRUCT JUNCTION STRUCTURE PER RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT STD. DWG. NO. 2.
(16) CONSTRUCT 12" RCP STORM DRAIN (CL. IV).

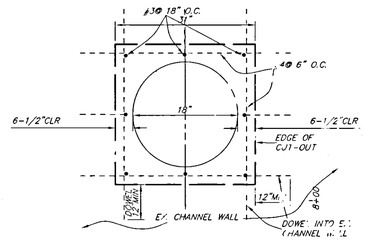
PROFILE SCALES:
HORZ: 1"=40'
VERT: 1"=4'



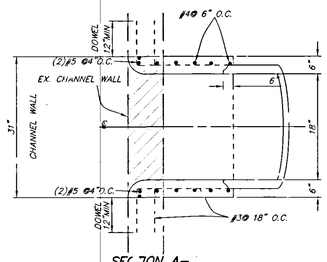
SEE SHEET 3 FOR STREET IMPROVEMENTS

STORM DRAIN CURVE DATA

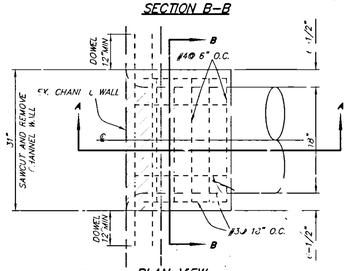
CURVE	DELTA	RADIUS	LENGTH	TANGENT
(C)	37°55'06"	22.50'	14.89'	7.71'
(A)	90°03'14"	45.00'	70.71'	45.04'



SECTION B-B



SECTION A-A



PLAN VIEW

JUNCTION STRUCTURE DETAIL
N.T.S.

LEGEND

ASPHALT PAVING

REMOVAL

Scale 1" = 40'

DIGALERT
DIAL TOLL FREE
1-800-227-2600
AT LEAST TWO DAYS BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER KEVIN J RICHER No. 43714 Exp. 3/31/2007 CIVIL STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
KEVIN J RICHER
R.C.E. 43714 LIC. EXP. 03/31/07
2/23/06
DATE

OLEANDER AVENUE

NOTE:
ALL WORK WITHIN THE FLOOD CONTROL RIGHT-OF-WAY SHALL REQUIRE A PERMIT FROM RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT.

LAND DEVELOPMENT DESIGN CORPORATION
2313 East Philadelphia St., Ste. F
Ontario, CA 91761
(909) 930-1465
FAX (909) 930-1468
PLANNING CIVIL SURVEYING

DRAWN BY: KJR DATE: 08/05/05
DESIGN BY: KJR DATE: 08/05/05
CHECK BY: KJR DATE: 08/05/05
RECOMMENDED BY: DATE:

BENCH MARK:
AT THE INTERSECTION OF PUTNIS BLD. AND OLEANDER (BRIDGE #53091) 24.0 FEET WEST OF PERRIS NO.: 5.5 FEET SOU. THE NORTHERLY END OF A 12 INCH AND FOOT CONCRETE HEADWALL 37.55 DISC SET IN THE TOP OF A CONCRETE HEADWALL AND MARKED M-30 1975
ELEVATION = 1464.219

CITY OF PERRIS
APPROVED BY:
CITY ENGINEER DATE

STORM DRAIN PLAN AND PROFILE
S1/2 OF LOT 1, BLK 3
RIVERSIDE TR.
MB 14/668 S.D. CO.
OLEANDER AVENUE

SHEET NO. 5 OF 6 SHEETS
CITY PROJ. NO. P8-795

P-395

APPENDIX B

HYDROLOGY CALCULATIONS

EXISTING CONDITION

```
**************************************************************************
           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
        RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                    (RCFC&WCD)  1978 HYDROLOGY MANUAL
         (c) Copyright 1982-99 Advanced Engineering Software (aes)
             Ver. 1.5A Release Date: 01/01/99  License ID 1435

                          Analysis prepared by:

                            THIENES ENGINEERING
                           16800 VALLEY VIEW AVENUE
                              LA MIRADA CA 90638
                     PH: (714) 521-4811 FAX: (714) 521-4173

 ************************* DESCRIPTION OF STUDY *************************
* TEI JN34066                                                           *
* EXISTING CONDITION (NODE 100-101)                                     *
* 100 YEAR STORM EVENT                                                  *
 *************************************************************************

  FILE NAME: C:\XDRIVE\4066\X100.DAT
  TIME/DATE OF STUDY: 12:32 05/20/2022
--------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
--------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  2-YEAR, 1-HOUR PRECIPITATION(INCH) =  0.460
  100-YEAR, 1-HOUR PRECIPITATION(INCH) =  1.230
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.230
  SLOPE OF INTENSITY DURATION CURVE = 0.5000
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: COMPUTE CONFLUENCE VALUES ACCORDING TO RCFC&WCD HYDROLOGY MANUAL
        AND IGNORE OTHER CONFLUENCE COMBINATIONS FOR DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==========================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS: UNDEVELOPED WITH POOR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
```

```
  INITIAL SUBAREA FLOW-LENGTH =   760.00
  UPSTREAM ELEVATION =   1469.00
  DOWNSTREAM ELEVATION =   1466.50
  ELEVATION DIFFERENCE =      2.50
  TC = 0.533*[(  760.00**3)/(     2.50)]**.2 =   23.730
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.956
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .5861
  SOIL CLASSIFICATION IS "B"
  SUBAREA RUNOFF(CFS) =     10.80
  TOTAL AREA(ACRES) =      9.42   TOTAL RUNOFF(CFS) =     10.80
================================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =      9.42  TC(MIN.) =     23.73
  PEAK FLOW RATE(CFS)   =     10.80
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS

1
```

```
**************************************************************************
           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
        RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                    (RCFC&WCD)  1978 HYDROLOGY MANUAL
         (c) Copyright 1982-99 Advanced Engineering Software (aes)
             Ver. 1.5A Release Date: 01/01/99  License ID 1435

                          Analysis prepared by:

                            THIENES ENGINEERING
                           16800 VALLEY VIEW AVENUE
                              LA MIRADA CA 90638
                     PH: (714) 521-4811 FAX: (714) 521-4173

 ************************* DESCRIPTION OF STUDY *************************
* TEI JN34066                                                           *
* EXISTING CONDITION (NODE 110-111)                                     *
* 100 YEAR STORM EVENT                                                  *
 *************************************************************************

  FILE NAME: C:\XDRIVE\4066\X110.DAT
  TIME/DATE OF STUDY: 12:33 05/20/2022
--------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
--------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  2-YEAR, 1-HOUR PRECIPITATION(INCH) =  0.460
  100-YEAR, 1-HOUR PRECIPITATION(INCH) =  1.230
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.230
  SLOPE OF INTENSITY DURATION CURVE = 0.5000
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: COMPUTE CONFLUENCE VALUES ACCORDING TO RCFC&WCD HYDROLOGY MANUAL
        AND IGNORE OTHER CONFLUENCE COMBINATIONS FOR DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE    110.00 TO NODE    111.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==========================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS: UNDEVELOPED WITH POOR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
```

```
  INITIAL SUBAREA FLOW-LENGTH =   722.00
  UPSTREAM ELEVATION =   1467.40
  DOWNSTREAM ELEVATION =   1465.60
  ELEVATION DIFFERENCE =      1.80
  TC = 0.533*[(  722.00**3)/(     1.80)]**.2 =   24.573
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  1.922
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .5825
  SOIL CLASSIFICATION IS "B"
  SUBAREA RUNOFF(CFS) =      8.41
  TOTAL AREA(ACRES) =      7.51   TOTAL RUNOFF(CFS) =      8.41
================================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =      7.51  TC(MIN.) =     24.57
  PEAK FLOW RATE(CFS)   =      8.41
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS

1
```

```
**************************************************************************
           RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
        RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                    (RCFC&WCD)  1978 HYDROLOGY MANUAL
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             Ver. 1.5A Release Date: 01/01/99  License ID 1435

                          Analysis prepared by:

                            THIENES ENGINEERING
                           16800 VALLEY VIEW AVENUE
                              LA MIRADA CA 90638
                     PH: (714) 521-4811 FAX: (714) 521-4173

 ************************* DESCRIPTION OF STUDY *************************
* TEI JN34066                                                           *
* EXISTING CONDITION (NODE 200-201)                                     *
* 100 YEAR STORM EVENT                                                  *
 *************************************************************************

  FILE NAME: C:\XDRIVE\4066\X200.DAT
  TIME/DATE OF STUDY: 12:18 05/20/2022
--------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
--------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  2-YEAR, 1-HOUR PRECIPITATION(INCH) =  0.460
  100-YEAR, 1-HOUR PRECIPITATION(INCH) =  1.230
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.230
  SLOPE OF INTENSITY DURATION CURVE = 0.5000
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: COMPUTE CONFLUENCE VALUES ACCORDING TO RCFC&WCD HYDROLOGY MANUAL
        AND IGNORE OTHER CONFLUENCE COMBINATIONS FOR DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  =================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*

**************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    201.00 IS CODE =  21
--------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
==========================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS: UNDEVELOPED WITH POOR COVER
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
```

```
  INITIAL SUBAREA FLOW-LENGTH =   682.00
  UPSTREAM ELEVATION =   1467.70
  DOWNSTREAM ELEVATION =   1464.70
  ELEVATION DIFFERENCE =      3.00
  TC = 0.533*[(  682.00**3)/(     3.00)]**.2 =   21.441
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.058
  UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .5964
  SOIL CLASSIFICATION IS "B"
  SUBAREA RUNOFF(CFS) =      5.71
  TOTAL AREA(ACRES) =      4.65   TOTAL RUNOFF(CFS) =      5.71
================================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =      4.65  TC(MIN.) =     21.44
  PEAK FLOW RATE(CFS)   =      5.71
================================================================================
================================================================================
  END OF RATIONAL METHOD ANALYSIS

1
```

PROPOSED CONDITION

```
**************************************************************************
          RATIONAL METHOD HYDROLOGY COMPUTER PROGRAM BASED ON
        RIVERSIDE COUNTY FLOOD CONTROL & WATER CONSERVATION DISTRICT
                    (RCFC&WCD)  1978 HYDROLOGY MANUAL
         (c) Copyright 1982-99 Advanced Engineering Software (aes)
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                            Analysis prepared by:

                              THIENES ENGINEERING
                            16800 VALLEY VIEW AVENUE
                              LA MIRADA CA 90638
                        PH: (714) 521-4811 FAX: (714) 521-4173

 ************************* DESCRIPTION OF STUDY *************************
* TEI JN34066                                                           *
* PROPOSED CONDITION (NODE 100-207)                                     *
* 100 YEAR STORM EVENT                                                  *
 *************************************************************************

  FILE NAME: C:\XDRIVE\4066\P100.DAT
  TIME/DATE OF STUDY: 19:10 05/10/2022
--------------------------------------------------------------------------
  USER SPECIFIED HYDROLOGY AND HYDRAULIC MODEL INFORMATION:
--------------------------------------------------------------------------
  USER SPECIFIED STORM EVENT(YEAR) =  100.00
  SPECIFIED MINIMUM PIPE SIZE(INCH) =  12.00
  SPECIFIED PERCENT OF GRADIENTS(DECIMAL) TO USE FOR FRICTION SLOPE = 0.95
  2-YEAR, 1-HOUR PRECIPITATION(INCH) =  0.460
  100-YEAR, 1-HOUR PRECIPITATION(INCH) =  1.230
  COMPUTED RAINFALL INTENSITY DATA:
  STORM EVENT =  100.00   1-HOUR INTENSITY(INCH/HOUR) =   1.230
  SLOPE OF INTENSITY DURATION CURVE = 0.5000
  RCFC&WCD HYDROLOGY MANUAL "C"-VALUES USED FOR RATIONAL METHOD
  NOTE: COMPUTE CONFLUENCE VALUES ACCORDING TO RCFC&WCD HYDROLOGY MANUAL
        AND IGNORE OTHER CONFLUENCE COMBINATIONS FOR DOWNSTREAM ANALYSES
  *USER-DEFINED STREET-SECTIONS FOR COUPLED PIPEFLOW AND STREETFLOW MODEL*
     HALF-  CROWN TO   STREET-CROSSFALL:   CURB  GUTTER-GEOMETRIES:  MANNING
     WIDTH  CROSSFALL  IN-  / OUT-/PARK-  HEIGHT  WIDTH  LIP   HIKE  FACTOR
NO.   (FT)     (FT)    SIDE / SIDE/ WAY    (FT)    (FT)  (FT)  (FT)    (n)
===  =====  =========  ================  ======  ===== ====== ===== =======
  1   30.0     20.0    0.018/0.018/0.020   0.67    2.00 0.0313 0.167 0.0150

  GLOBAL STREET FLOW-DEPTH CONSTRAINTS:
    1. Relative Flow-Depth =  0.00 FEET
       as (Maximum Allowable Street Flow Depth) - (Top-of-Curb)
    2. (Depth)*(Velocity) Constraint =  6.0 (FT*FT/S)
  *SIZE PIPE WITH A FLOW CAPACITY GREATER THAN
   OR EQUAL TO THE UPSTREAM TRIBUTARY PIPE.*
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    100.00 TO NODE    101.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   336.00
  UPSTREAM ELEVATION =   1467.85
  DOWNSTREAM ELEVATION =   1464.74
  ELEVATION DIFFERENCE =      3.11
  TC = 0.303*[(  336.00**3)/(     3.11)]**.2 =    7.922
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.385
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8787
  SOIL CLASSIFICATION IS "B"
  SUBAREA RUNOFF(CFS) =      3.57
  TOTAL AREA(ACRES) =      1.20   TOTAL RUNOFF(CFS) =      3.57

****************************************************************************
  FLOW PROCESS FROM NODE    101.00 TO NODE    102.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1461.15  DOWNSTREAM(FEET) =  1460.26
  FLOW LENGTH(FEET) =   441.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  11.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.06
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      3.57
  PIPE TRAVEL TIME(MIN.) =   2.40    Tc(MIN.) =  10.32
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    102.00 =   777.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    102.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.966
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8560
  SOIL CLASSIFICATION IS "A"
  SUBAREA AREA(ACRES) =    2.45   SUBAREA RUNOFF(CFS) =    6.22
  TOTAL AREA(ACRES) =     3.65   TOTAL RUNOFF(CFS) =    9.79
  TC(MIN) =  10.32

****************************************************************************
  FLOW PROCESS FROM NODE    102.00 TO NODE    102.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
```

```
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.966
UNDEVELOPED WATERSHED RUNOFF COEFFICIENT = .6651
SOIL CLASSIFICATION IS "B"
SUBAREA AREA(ACRES) =    1.10   SUBAREA RUNOFF(CFS) =    2.17
TOTAL AREA(ACRES) =     4.75   TOTAL RUNOFF(CFS) =   11.96
TC(MIN) =  10.32

****************************************************************************
FLOW PROCESS FROM NODE    102.00 TO NODE    103.00 IS CODE =  31
----------------------------------------------------------------------------
>>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
>>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
ELEVATION DATA: UPSTREAM(FEET) =  1460.26  DOWNSTREAM(FEET) =  1459.97
FLOW LENGTH(FEET) =   145.00   MANNING'S N =  0.012
DEPTH OF FLOW IN  27.0 INCH PIPE IS  18.6 INCHES
PIPE-FLOW VELOCITY(FEET/SEC.) =   4.10
ESTIMATED PIPE DIAMETER(INCH) =  27.00    NUMBER OF PIPES =   1
PIPE-FLOW(CFS) =     11.96
PIPE TRAVEL TIME(MIN.) =   0.59    Tc(MIN.) =  10.91
LONGEST FLOWPATH FROM NODE    100.00 TO NODE    103.00 =   922.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE    103.00 TO NODE    103.00 IS CODE =  81
----------------------------------------------------------------------------
>>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
 100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.884
COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8760
SOIL CLASSIFICATION IS "B"
SUBAREA AREA(ACRES) =    1.15   SUBAREA RUNOFF(CFS) =    2.91
TOTAL AREA(ACRES) =     5.90   TOTAL RUNOFF(CFS) =   14.86
TC(MIN) =  10.91

****************************************************************************
FLOW PROCESS FROM NODE    103.00 TO NODE    104.00 IS CODE =  31
----------------------------------------------------------------------------
>>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
>>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
ELEVATION DATA: UPSTREAM(FEET) =  1459.97  DOWNSTREAM(FEET) =  1459.68
FLOW LENGTH(FEET) =   145.00   MANNING'S N =  0.012
DEPTH OF FLOW IN  30.0 INCH PIPE IS  19.7 INCHES
PIPE-FLOW VELOCITY(FEET/SEC.) =   4.35
ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
PIPE-FLOW(CFS) =     14.86
PIPE TRAVEL TIME(MIN.) =   0.56    Tc(MIN.) =  11.47
LONGEST FLOWPATH FROM NODE    100.00 TO NODE    104.00 =  1067.00 FEET.

****************************************************************************
FLOW PROCESS FROM NODE    104.00 TO NODE    104.00 IS CODE =  81
```

```
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.814
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8756
  SOIL CLASSIFICATION IS "B"
  SUBAREA AREA(ACRES) =    1.40   SUBAREA RUNOFF(CFS) =    3.45
  TOTAL AREA(ACRES) =     7.30   TOTAL RUNOFF(CFS) =   18.31
  TC(MIN) =  11.47

************************************************************************
  FLOW PROCESS FROM NODE    104.00 TO NODE    105.00 IS CODE =  31
------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1459.68  DOWNSTREAM(FEET) =  1459.39
  FLOW LENGTH(FEET) =   145.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  30.0 INCH PIPE IS  23.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.49
  ESTIMATED PIPE DIAMETER(INCH) =  30.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =     18.31
  PIPE TRAVEL TIME(MIN.) =   0.54    Tc(MIN.) =  12.00
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    105.00 =  1212.00 FEET.

************************************************************************
  FLOW PROCESS FROM NODE    105.00 TO NODE    105.00 IS CODE =  81
------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
========================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.750
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8752
  SOIL CLASSIFICATION IS "B"
  SUBAREA AREA(ACRES) =    1.15   SUBAREA RUNOFF(CFS) =    2.77
  TOTAL AREA(ACRES) =     8.45   TOTAL RUNOFF(CFS) =   21.08
  TC(MIN) =  12.00

************************************************************************
  FLOW PROCESS FROM NODE    105.00 TO NODE    106.00 IS CODE =  31
------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
========================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1459.39  DOWNSTREAM(FEET) =  1459.10
  FLOW LENGTH(FEET) =   145.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  23.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.72
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =     21.08
  PIPE TRAVEL TIME(MIN.) =   0.51    Tc(MIN.) =  12.52
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    106.00 =  1357.00 FEET.
```

```
****************************************************************************
  FLOW PROCESS FROM NODE    106.00 TO NODE    106.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.693
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8748
  SOIL CLASSIFICATION IS "B"
  SUBAREA AREA(ACRES) =    1.40   SUBAREA RUNOFF(CFS) =    3.30
  TOTAL AREA(ACRES) =     9.85   TOTAL RUNOFF(CFS) =   24.38
  TC(MIN) =  12.52

****************************************************************************
  FLOW PROCESS FROM NODE    106.00 TO NODE    107.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1459.10  DOWNSTREAM(FEET) =  1458.81
  FLOW LENGTH(FEET) =   145.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  33.0 INCH PIPE IS  26.4 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   4.79
  ESTIMATED PIPE DIAMETER(INCH) =  33.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =     24.38
  PIPE TRAVEL TIME(MIN.) =   0.50    Tc(MIN.) =  13.02
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    107.00 =  1502.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    107.00 TO NODE    107.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.640
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8744
  SOIL CLASSIFICATION IS "B"
  SUBAREA AREA(ACRES) =    2.35   SUBAREA RUNOFF(CFS) =    5.43
  TOTAL AREA(ACRES) =    12.20   TOTAL RUNOFF(CFS) =   29.81
  TC(MIN) =  13.02

****************************************************************************
  FLOW PROCESS FROM NODE    107.00 TO NODE    204.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1458.81  DOWNSTREAM(FEET) =  1458.33
  FLOW LENGTH(FEET) =   239.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  36.0 INCH PIPE IS  27.9 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.08
  ESTIMATED PIPE DIAMETER(INCH) =  36.00    NUMBER OF PIPES =   1
```

```
  PIPE-FLOW(CFS) =     29.81
  PIPE TRAVEL TIME(MIN.) =   0.78    Tc(MIN.) =  13.81
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    204.00 =  1741.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    204.00 TO NODE    204.00 IS CODE =   1
----------------------------------------------------------------------------
  >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
============================================================================
  TOTAL NUMBER OF STREAMS =  2
  CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  1 ARE:
  TIME OF CONCENTRATION(MIN.) =  13.81
  RAINFALL INTENSITY(INCH/HR) =   2.56
  TOTAL STREAM AREA(ACRES) =   12.20
  PEAK FLOW RATE(CFS) AT CONFLUENCE =     29.81

****************************************************************************
  FLOW PROCESS FROM NODE    200.00 TO NODE    201.00 IS CODE =  21
----------------------------------------------------------------------------
  >>>>>RATIONAL METHOD INITIAL SUBAREA ANALYSIS<<<<<
============================================================================
         ASSUMED INITIAL SUBAREA UNIFORM
         DEVELOPMENT IS COMMERCIAL
  TC = K*[(LENGTH**3)/(ELEVATION CHANGE)]**.2
  INITIAL SUBAREA FLOW-LENGTH =   269.00
  UPSTREAM ELEVATION =   1468.24
  DOWNSTREAM ELEVATION =   1466.39
  ELEVATION DIFFERENCE =      1.85
  TC = 0.303*[(  269.00**3)/(     1.85)]**.2 =    7.691
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.435
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8790
  SOIL CLASSIFICATION IS "B"
  SUBAREA RUNOFF(CFS) =      5.89
  TOTAL AREA(ACRES) =      1.95   TOTAL RUNOFF(CFS) =      5.89

****************************************************************************
  FLOW PROCESS FROM NODE    201.00 TO NODE    202.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1462.28  DOWNSTREAM(FEET) =  1461.15
  FLOW LENGTH(FEET) =   377.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  18.0 INCH PIPE IS  14.3 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   3.92
  ESTIMATED PIPE DIAMETER(INCH) =  18.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =      5.89
  PIPE TRAVEL TIME(MIN.) =   1.60    Tc(MIN.) =   9.30
  LONGEST FLOWPATH FROM NODE    200.00 TO NODE    202.00 =   646.00 FEET.

****************************************************************************
```

```
 FLOW PROCESS FROM NODE    202.00 TO NODE    202.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  3.125
 COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8774
 SOIL CLASSIFICATION IS "B"
 SUBAREA AREA(ACRES) =    1.10   SUBAREA RUNOFF(CFS) =    3.02
 TOTAL AREA(ACRES) =     3.05   TOTAL RUNOFF(CFS) =    8.90
 TC(MIN) =   9.30

****************************************************************************
 FLOW PROCESS FROM NODE    202.00 TO NODE    203.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1461.15  DOWNSTREAM(FEET) =  1460.26
 FLOW LENGTH(FEET) =   296.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  21.0 INCH PIPE IS  16.7 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   4.35
 ESTIMATED PIPE DIAMETER(INCH) =  21.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =      8.90
 PIPE TRAVEL TIME(MIN.) =   1.14    Tc(MIN.) =  10.43
 LONGEST FLOWPATH FROM NODE    200.00 TO NODE    203.00 =   942.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    203.00 TO NODE    203.00 IS CODE =  81
----------------------------------------------------------------------------
 >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
  100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.950
 COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8764
 SOIL CLASSIFICATION IS "B"
 SUBAREA AREA(ACRES) =    1.45   SUBAREA RUNOFF(CFS) =    3.75
 TOTAL AREA(ACRES) =     4.50   TOTAL RUNOFF(CFS) =   12.65
 TC(MIN) =  10.43

****************************************************************************
 FLOW PROCESS FROM NODE    203.00 TO NODE    204.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1460.26  DOWNSTREAM(FEET) =  1458.33
 FLOW LENGTH(FEET) =   642.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  24.0 INCH PIPE IS  19.0 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   4.75
 ESTIMATED PIPE DIAMETER(INCH) =  24.00    NUMBER OF PIPES =   1
 PIPE-FLOW(CFS) =     12.65
 PIPE TRAVEL TIME(MIN.) =   2.25    Tc(MIN.) =  12.68
```

```
 LONGEST FLOWPATH FROM NODE    200.00 TO NODE    204.00 =  1584.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    204.00 TO NODE    204.00 IS CODE =   1
----------------------------------------------------------------------------
 >>>>>DESIGNATE INDEPENDENT STREAM FOR CONFLUENCE<<<<<
 >>>>>AND COMPUTE VARIOUS CONFLUENCED STREAM VALUES<<<<<
============================================================================
 TOTAL NUMBER OF STREAMS =  2
 CONFLUENCE VALUES USED FOR INDEPENDENT STREAM  2 ARE:
 TIME OF CONCENTRATION(MIN.) =  12.68
 RAINFALL INTENSITY(INCH/HR) =   2.68
 TOTAL STREAM AREA(ACRES) =    4.50
 PEAK FLOW RATE(CFS) AT CONFLUENCE =     12.65

 ** CONFLUENCE DATA **
 STREAM     RUNOFF      Tc      INTENSITY      AREA
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)    (ACRE)
     1       29.81    13.81        2.564         12.20
     2       12.65    12.68        2.675          4.50

 *********************************WARNING**********************************
 IN THIS COMPUTER PROGRAM, THE CONFLUENCE VALUE USED IS BASED
 ON THE RCFC&WCD FORMULA OF PLATE D-1 AS DEFAULT VALUE. THIS FORMULA
 WILL NOT NECESSARILY RESULT IN THE MAXIMUM VALUE OF PEAK FLOW.
 **************************************************************************

 RAINFALL INTENSITY AND TIME OF CONCENTRATION RATIO
 CONFLUENCE FORMULA USED FOR  2 STREAMS.

 ** PEAK FLOW RATE TABLE **
 STREAM     RUNOFF      Tc      INTENSITY
 NUMBER      (CFS)    (MIN.)   (INCH/HOUR)
     1       40.04    12.68       2.675
     2       41.93    13.81       2.564

 COMPUTED CONFLUENCE ESTIMATES ARE AS FOLLOWS:
 PEAK FLOW RATE(CFS) =     41.93   Tc(MIN.) =   13.81
 TOTAL AREA(ACRES) =     16.70
 LONGEST FLOWPATH FROM NODE    100.00 TO NODE    204.00 =  1741.00 FEET.

****************************************************************************
 FLOW PROCESS FROM NODE    204.00 TO NODE    205.00 IS CODE =  31
----------------------------------------------------------------------------
 >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
 >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
 ELEVATION DATA: UPSTREAM(FEET) =  1458.33  DOWNSTREAM(FEET) =  1457.95
 FLOW LENGTH(FEET) =   185.00   MANNING'S N =  0.012
 DEPTH OF FLOW IN  42.0 INCH PIPE IS  30.3 INCHES
 PIPE-FLOW VELOCITY(FEET/SEC.) =   5.64
```

```
  ESTIMATED PIPE DIAMETER(INCH) =  42.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =     41.93
  PIPE TRAVEL TIME(MIN.) =   0.55    Tc(MIN.) =  14.35
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    205.00 =  1926.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    205.00 TO NODE    205.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.515
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8735
  SOIL CLASSIFICATION IS "B"
  SUBAREA AREA(ACRES) =    1.85   SUBAREA RUNOFF(CFS) =    4.06
  TOTAL AREA(ACRES) =    18.55   TOTAL RUNOFF(CFS) =   46.00
  TC(MIN) =  14.35

****************************************************************************
  FLOW PROCESS FROM NODE    205.00 TO NODE    205.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.515
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8735
  SOIL CLASSIFICATION IS "B"
  SUBAREA AREA(ACRES) =    0.95   SUBAREA RUNOFF(CFS) =    2.09
  TOTAL AREA(ACRES) =    19.50   TOTAL RUNOFF(CFS) =   48.08
  TC(MIN) =  14.35

****************************************************************************
  FLOW PROCESS FROM NODE    205.00 TO NODE    206.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1457.95  DOWNSTREAM(FEET) =  1457.50
  FLOW LENGTH(FEET) =   224.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  45.0 INCH PIPE IS  31.6 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.81
  ESTIMATED PIPE DIAMETER(INCH) =  45.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =     48.08
  PIPE TRAVEL TIME(MIN.) =   0.64    Tc(MIN.) =  15.00
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    206.00 =  2150.00 FEET.

****************************************************************************
  FLOW PROCESS FROM NODE    206.00 TO NODE    206.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.460
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8731
```

```
  SOIL CLASSIFICATION IS "B"
  SUBAREA AREA(ACRES) =    1.30   SUBAREA RUNOFF(CFS) =    2.79
  TOTAL AREA(ACRES) =    20.80   TOTAL RUNOFF(CFS) =   50.88
  TC(MIN) =  15.00

****************************************************************************
  FLOW PROCESS FROM NODE    206.00 TO NODE    206.00 IS CODE =  81
----------------------------------------------------------------------------
  >>>>>ADDITION OF SUBAREA TO MAINLINE PEAK FLOW<<<<<
============================================================================
   100 YEAR RAINFALL INTENSITY(INCH/HOUR) =  2.460
  COMMERCIAL DEVELOPMENT RUNOFF COEFFICIENT = .8731
  SOIL CLASSIFICATION IS "B"
  SUBAREA AREA(ACRES) =    0.85   SUBAREA RUNOFF(CFS) =    1.83
  TOTAL AREA(ACRES) =    21.65   TOTAL RUNOFF(CFS) =   52.70
  TC(MIN) =  15.00

****************************************************************************
  FLOW PROCESS FROM NODE    206.00 TO NODE    207.00 IS CODE =  31
----------------------------------------------------------------------------
  >>>>>COMPUTE PIPE-FLOW TRAVEL TIME THRU SUBAREA<<<<<
  >>>>>USING COMPUTER-ESTIMATED PIPESIZE (NON-PRESSURE FLOW)<<<<<
============================================================================
  ELEVATION DATA: UPSTREAM(FEET) =  1457.50  DOWNSTREAM(FEET) =  1457.06
  FLOW LENGTH(FEET) =   222.00   MANNING'S N =  0.012
  DEPTH OF FLOW IN  45.0 INCH PIPE IS  34.2 INCHES
  PIPE-FLOW VELOCITY(FEET/SEC.) =   5.84
  ESTIMATED PIPE DIAMETER(INCH) =  45.00    NUMBER OF PIPES =   1
  PIPE-FLOW(CFS) =     52.70
  PIPE TRAVEL TIME(MIN.) =   0.63    Tc(MIN.) =  15.63
  LONGEST FLOWPATH FROM NODE    100.00 TO NODE    207.00 =  2372.00 FEET.
============================================================================
  END OF STUDY SUMMARY:
  TOTAL AREA(ACRES)     =     21.65  TC(MIN.) =     15.63
  PEAK FLOW RATE(CFS)   =     52.70
============================================================================
============================================================================
  END OF RATIONAL METHOD ANALYSIS

1
```

APPENDIX C

DETENTION CALCULATIONS

10-YEAR

EXISTING CONDITION

U n i t H y d r o g r a p h A n a l y s i s

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Study date 02/14/22 File: 4066EX10110.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6400

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

HARLEY KNOX INDUSTRIAL DEVELOPMENT
EXISTING CONDITION
10-YEAR

Drainage Area = 21.65(Ac.) = 0.034 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.65(Ac.) = 0.034 Sq. Mi.
Length along longest watercourse = 725.00(Ft.)
Length along longest watercourse measured to centroid = 435.00(Ft.)
Length along longest watercourse = 0.137 Mi.
Length along longest watercourse measured to centroid = 0.082 Mi.
Difference in elevation = 2.80(Ft.)
Slope along watercourse = 20.3917 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.074 Hr.
Lag time = 4.44 Min.
25% of lag time = 1.11 Min.
40% of lag time = 1.77 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	0.46	9.96

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	1.23	26.63

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.460(In)
Area Averaged 100-Year Rainfall = 1.230(In)

Point rain (area averaged) = 0.777(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 0.777(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.650	76.00	0.000

Total Area Entered = 21.65(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
76.0	76.0	0.291	0.000	0.291	1.000	0.291
					Sum (F) =	0.291

Area averaged mean soil loss (F) (In/Hr) = 0.291
Minimum soil loss rate ((In/Hr)) = 0.146
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	112.702	23.048	5.029
2	0.167	225.403	48.848	10.658
3	0.250	338.105	14.006	3.056
4	0.333	450.806	6.406	1.398
5	0.417	563.508	3.560	0.777
6	0.500	676.209	2.174	0.474
7	0.583	788.911	1.283	0.280
8	0.667	901.612	0.674	0.147
		Sum = 100.000	Sum=	21.819

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max		Low	Effective (In/Hr)
1	0.08	4.20	0.391	0.291	(0.352)	0.100
2	0.17	4.30	0.401	0.291	(0.361)	0.110
3	0.25	5.00	0.466	0.291	(0.419)	0.175
4	0.33	5.00	0.466	0.291	(0.419)	0.175
5	0.42	5.80	0.541	0.291	(0.486)	0.249
6	0.50	6.50	0.606	0.291	(0.545)	0.315
7	0.58	7.40	0.690	0.291	(0.621)	0.398
8	0.67	8.60	0.801	0.291	(0.721)	0.510
9	0.75	12.30	1.146	0.291	(1.032)	0.855
10	0.83	29.10	2.712	0.291	(2.441)	2.421
11	0.92	6.80	0.634	0.291	(0.570)	0.343
12	1.00	5.00	0.466	0.291	(0.419)	0.175
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	5.8

Flood volume = Effective rainfall 0.49(In)
times area 21.6(Ac.)/[(In)/(Ft.)] = 0.9(Ac.Ft)
Total soil loss = 0.29(In)
Total soil loss = 0.525(Ac.Ft)
Total rainfall = 0.78(In)
Flood volume = 38149.8 Cubic Feet
Total soil loss = 22885.3 Cubic Feet

Peak flow rate of this hydrograph = 31.421(CFS)

++

1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	10.0	20.0	30.0	40.0
0+ 5	0.0035	0.50	Q				
0+10	0.0146	1.62	VQ				
0+15	0.0308	2.35	VQ				
0+20	0.0530	3.22	VQ				
0+25	0.0798	3.88	Q				
0+30	0.1152	5.15	Q				
0+35	0.1606	6.58	QV				
0+40	0.2184	8.39	QV				
0+45	0.2992	11.74	Q V				
0+50	0.4635	23.85	V Q				
0+55	0.6799	31.42	Q				

```
    1+ 0       0.7752     13.84  |         |  Q      |         |    V    |
    1+ 5       0.8259      7.36  |      Q  |         |         |      V  |
    1+10       0.8501      3.50  |  Q      |         |         |       V |
    1+15       0.8637      1.97  |Q        |         |         |        V|
    1+20       0.8713      1.10  |Q        |         |         |        V|
    1+25       0.8749      0.54  Q         |         |         |        V|
    1+30       0.8756      0.10  Q         |         |         |        V|
    1+35       0.8758      0.03  Q         |         |         |         V
-------------------------------------------------------------------------
```

U n i t H y d r o g r a p h A n a l y s i s

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Study date 02/14/22 File: 4066EX10310.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6400

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

HARLEY KNOX INDUSTRIAL DEVELOPMENT
EXISTING CONDITION
10-YEAR

Drainage Area = 21.65(Ac.) = 0.034 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.65(Ac.) = 0.034 Sq. Mi.
Length along longest watercourse = 725.00(Ft.)
Length along longest watercourse measured to centroid = 435.00(Ft.)
Length along longest watercourse = 0.137 Mi.
Length along longest watercourse measured to centroid = 0.082 Mi.
Difference in elevation = 2.80(Ft.)
Slope along watercourse = 20.3917 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.074 Hr.
Lag time = 4.44 Min.
25% of lag time = 1.11 Min.
40% of lag time = 1.77 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	0.80	17.32

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	1.90	41.13

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.800(In)
Area Averaged 100-Year Rainfall = 1.900(In)

Point rain (area averaged) = 1.253(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.252(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.650	76.00	0.000

Total Area Entered = 21.65(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
76.0	76.0	0.291	0.000	0.291	1.000	0.291
					Sum (F) =	0.291

Area averaged mean soil loss (F) (In/Hr) = 0.291
Minimum soil loss rate ((In/Hr)) = 0.146
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	112.702	23.048	5.029
2	0.167	225.403	48.848	10.658
3	0.250	338.105	14.006	3.056
4	0.333	450.806	6.406	1.398
5	0.417	563.508	3.560	0.777
6	0.500	676.209	2.174	0.474
7	0.583	788.911	1.283	0.280
8	0.667	901.612	0.674	0.147
			Sum = 100.000	Sum= 21.819

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.195	(0.291)	0.176	0.020
2	0.17	1.30	0.195	(0.291)	0.176	0.020
3	0.25	1.10	0.165	(0.291)	0.149	0.017
4	0.33	1.50	0.225	(0.291)	0.203	0.023
5	0.42	1.50	0.225	(0.291)	0.203	0.023
6	0.50	1.80	0.271	(0.291)	0.243	0.027
7	0.58	1.50	0.225	(0.291)	0.203	0.023
8	0.67	1.80	0.271	(0.291)	0.243	0.027
9	0.75	1.80	0.271	(0.291)	0.243	0.027
10	0.83	1.50	0.225	(0.291)	0.203	0.023
11	0.92	1.60	0.240	(0.291)	0.216	0.024
12	1.00	1.80	0.271	(0.291)	0.243	0.027
13	1.08	2.20	0.331	0.291	(0.298)	0.039
14	1.17	2.20	0.331	0.291	(0.298)	0.039
15	1.25	2.20	0.331	0.291	(0.298)	0.039
16	1.33	2.00	0.301	(0.291)	0.271	0.030
17	1.42	2.60	0.391	0.291	(0.352)	0.100
18	1.50	2.70	0.406	0.291	(0.365)	0.115
19	1.58	2.40	0.361	0.291	(0.325)	0.069
20	1.67	2.70	0.406	0.291	(0.365)	0.115
21	1.75	3.30	0.496	0.291	(0.446)	0.205
22	1.83	3.10	0.466	0.291	(0.419)	0.175
23	1.92	2.90	0.436	0.291	(0.392)	0.145
24	2.00	3.00	0.451	0.291	(0.406)	0.160
25	2.08	3.10	0.466	0.291	(0.419)	0.175
26	2.17	4.20	0.631	0.291	(0.568)	0.340
27	2.25	5.00	0.751	0.291	(0.676)	0.460
28	2.33	3.50	0.526	0.291	(0.473)	0.235
29	2.42	6.80	1.022	0.291	(0.920)	0.731
30	2.50	7.30	1.097	0.291	(0.987)	0.806
31	2.58	8.20	1.232	0.291	(1.109)	0.941
32	2.67	5.90	0.887	0.291	(0.798)	0.596
33	2.75	2.00	0.301	(0.291)	0.271	0.030
34	2.83	1.80	0.271	(0.291)	0.243	0.027
35	2.92	1.80	0.271	(0.291)	0.243	0.027
36	3.00	0.60	0.090	(0.291)	0.081	0.009
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	5.9

Flood volume = Effective rainfall 0.49(In)
times area 21.6(Ac.)/[(In)/(Ft.)] = 0.9(Ac.Ft)
Total soil loss = 0.76(In)
Total soil loss = 1.375(Ac.Ft)
Total rainfall = 1.25(In)
Flood volume = 38540.7 Cubic Feet
Total soil loss = 59887.2 Cubic Feet

Peak flow rate of this hydrograph = 17.041(CFS)

3 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 5.0 10.0 15.0 20.0
0+ 5	0.0007	0.10	Q
0+10	0.0028	0.31	Q
0+15	0.0052	0.35	Q
0+20	0.0078	0.38	Q
0+25	0.0109	0.45	Q
0+30	0.0143	0.49	Q
0+35	0.0179	0.53	VQ
0+40	0.0215	0.52	VQ
0+45	0.0254	0.57	|Q
0+50	0.0293	0.56	|Q
0+55	0.0329	0.52	|Q
1+ 0	0.0366	0.54	|Q
1+ 5	0.0410	0.64	|Q
1+10	0.0463	0.78	|QV
1+15	0.0520	0.82	|QV
1+20	0.0574	0.79	|QV
1+25	0.0647	1.05	| Q
1+30	0.0774	1.85	| Q
1+35	0.0910	1.98	| QV
1+40	0.1039	1.87	| QV
1+45	0.1227	2.73	| Q
1+50	0.1479	3.66	| VQ
1+55	0.1721	3.52	| Q
2+ 0	0.1951	3.34	| Q V
2+ 5	0.2193	3.52	| Q V|
2+10	0.2506	4.54	| Q|V
2+15	0.2986	6.97	| Q
2+20	0.3512	7.65	| Q
2+25	0.4087	8.34	| Q V
2+30	0.5025	13.62	| V Q
2+35	0.6160	16.48	| V Q
2+40	0.7334	17.04	| VQ
2+45	0.8117	11.36	| Q V
2+50	0.8440	4.70	| Q| V
2+55	0.8627	2.70	| Q V|
3+ 0	0.8744	1.70	| Q V|
3+ 5	0.8806	0.91	|Q V|
3+10	0.8834	0.41	Q V|
3+15	0.8844	0.14	Q V|
3+20	0.8846	0.03	Q V|
3+25	0.8847	0.02	Q V|
3+30	0.8848	0.01	Q V|
3+35	0.8848	0.00	Q V

U n i t H y d r o g r a p h A n a l y s i s

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Study date 02/14/22 File: 4066EX10610.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6400

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

HARLEY KNOX INDUSTRIAL DEVELOPMENT
EXISTING CONDITION
10-YEAR

Drainage Area = 21.65(Ac.) = 0.034 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.65(Ac.) = 0.034 Sq. Mi.
Length along longest watercourse = 725.00(Ft.)
Length along longest watercourse measured to centroid = 435.00(Ft.)
Length along longest watercourse = 0.137 Mi.
Length along longest watercourse measured to centroid = 0.082 Mi.
Difference in elevation = 2.80(Ft.)
Slope along watercourse = 20.3917 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.074 Hr.
Lag time = 4.44 Min.
25% of lag time = 1.11 Min.
40% of lag time = 1.77 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	1.00	21.65

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	2.50	54.13

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.000(In)
Area Averaged 100-Year Rainfall = 2.500(In)

Point rain (area averaged) = 1.617(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.617(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.650	76.00	0.000

Total Area Entered = 21.65(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
76.0	76.0	0.291	0.000	0.291	1.000	0.291
					Sum (F) =	0.291

Area averaged mean soil loss (F) (In/Hr) = 0.291
Minimum soil loss rate ((In/Hr)) = 0.146
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	112.702	23.048	5.029
2	0.167	225.403	48.848	10.658
3	0.250	338.105	14.006	3.056
4	0.333	450.806	6.406	1.398
5	0.417	563.508	3.560	0.777
6	0.500	676.209	2.174	0.474
7	0.583	788.911	1.283	0.280
8	0.667	901.612	0.674	0.147
		Sum = 100.000	Sum=	21.819

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.50	0.097	(0.291)	0.087	0.010
2	0.17	0.60	0.116	(0.291)	0.105	0.012
3	0.25	0.60	0.116	(0.291)	0.105	0.012
4	0.33	0.60	0.116	(0.291)	0.105	0.012
5	0.42	0.60	0.116	(0.291)	0.105	0.012
6	0.50	0.70	0.136	(0.291)	0.122	0.014
7	0.58	0.70	0.136	(0.291)	0.122	0.014
8	0.67	0.70	0.136	(0.291)	0.122	0.014
9	0.75	0.70	0.136	(0.291)	0.122	0.014
10	0.83	0.70	0.136	(0.291)	0.122	0.014
11	0.92	0.70	0.136	(0.291)	0.122	0.014
12	1.00	0.80	0.155	(0.291)	0.140	0.016
13	1.08	0.80	0.155	(0.291)	0.140	0.016
14	1.17	0.80	0.155	(0.291)	0.140	0.016
15	1.25	0.80	0.155	(0.291)	0.140	0.016
16	1.33	0.80	0.155	(0.291)	0.140	0.016
17	1.42	0.80	0.155	(0.291)	0.140	0.016
18	1.50	0.80	0.155	(0.291)	0.140	0.016
19	1.58	0.80	0.155	(0.291)	0.140	0.016
20	1.67	0.80	0.155	(0.291)	0.140	0.016
21	1.75	0.80	0.155	(0.291)	0.140	0.016
22	1.83	0.80	0.155	(0.291)	0.140	0.016
23	1.92	0.80	0.155	(0.291)	0.140	0.016
24	2.00	0.90	0.175	(0.291)	0.157	0.017
25	2.08	0.80	0.155	(0.291)	0.140	0.016
26	2.17	0.90	0.175	(0.291)	0.157	0.017
27	2.25	0.90	0.175	(0.291)	0.157	0.017
28	2.33	0.90	0.175	(0.291)	0.157	0.017
29	2.42	0.90	0.175	(0.291)	0.157	0.017
30	2.50	0.90	0.175	(0.291)	0.157	0.017
31	2.58	0.90	0.175	(0.291)	0.157	0.017
32	2.67	0.90	0.175	(0.291)	0.157	0.017
33	2.75	1.00	0.194	(0.291)	0.175	0.019
34	2.83	1.00	0.194	(0.291)	0.175	0.019
35	2.92	1.00	0.194	(0.291)	0.175	0.019
36	3.00	1.00	0.194	(0.291)	0.175	0.019
37	3.08	1.00	0.194	(0.291)	0.175	0.019
38	3.17	1.10	0.213	(0.291)	0.192	0.021
39	3.25	1.10	0.213	(0.291)	0.192	0.021
40	3.33	1.10	0.213	(0.291)	0.192	0.021
41	3.42	1.20	0.233	(0.291)	0.210	0.023
42	3.50	1.30	0.252	(0.291)	0.227	0.025
43	3.58	1.40	0.272	(0.291)	0.244	0.027
44	3.67	1.40	0.272	(0.291)	0.244	0.027
45	3.75	1.50	0.291	(0.291)	0.262	0.029
46	3.83	1.50	0.291	(0.291)	0.262	0.029

47	3.92	1.60	0.310	(0.291)	0.279	0.031	
48	4.00	1.60	0.310	(0.291)	0.279	0.031	
49	4.08	1.70	0.330	0.291	(0.297)	0.039	
50	4.17	1.80	0.349	0.291	(0.314)	0.058	
51	4.25	1.90	0.369	0.291	(0.332)	0.077	
52	4.33	2.00	0.388	0.291	(0.349)	0.097	
53	4.42	2.10	0.407	0.291	(0.367)	0.116	
54	4.50	2.10	0.407	0.291	(0.367)	0.116	
55	4.58	2.20	0.427	0.291	(0.384)	0.136	
56	4.67	2.30	0.446	0.291	(0.402)	0.155	
57	4.75	2.40	0.466	0.291	(0.419)	0.174	
58	4.83	2.40	0.466	0.291	(0.419)	0.174	
59	4.92	2.50	0.485	0.291	(0.437)	0.194	
60	5.00	2.60	0.505	0.291	(0.454)	0.213	
61	5.08	3.10	0.602	0.291	(0.541)	0.310	
62	5.17	3.60	0.699	0.291	(0.629)	0.407	
63	5.25	3.90	0.757	0.291	(0.681)	0.466	
64	5.33	4.20	0.815	0.291	(0.733)	0.524	
65	5.42	4.70	0.912	0.291	(0.821)	0.621	
66	5.50	5.60	1.087	0.291	(0.978)	0.795	
67	5.58	1.90	0.369	0.291	(0.332)	0.077	
68	5.67	0.90	0.175	(0.291)	0.157	0.017	
69	5.75	0.60	0.116	(0.291)	0.105	0.012	
70	5.83	0.50	0.097	(0.291)	0.087	0.010	
71	5.92	0.30	0.058	(0.291)	0.052	0.006	
72	6.00	0.20	0.039	(0.291)	0.035	0.004	

(Loss Rate Not Used)

Sum = 100.0 Sum = 5.7

Flood volume = Effective rainfall 0.47(In)
times area 21.6(Ac.)/[(In)/(Ft.)] = 0.9(Ac.Ft)
Total soil loss = 1.15(In)
Total soil loss = 2.066(Ac.Ft)
Total rainfall = 1.62(In)
Flood volume = 37089.3 Cubic Feet
Total soil loss = 89989.2 Cubic Feet

Peak flow rate of this hydrograph = 13.427(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	5.0	10.0	15.0	20.0
0+ 5	0.0003	0.05	Q				
0+10	0.0015	0.16	Q				
0+15	0.0029	0.21	Q				
0+20	0.0045	0.23	Q				
0+25	0.0062	0.24	Q				
0+30	0.0080	0.26	Q				
0+35	0.0099	0.28	Q				
0+40	0.0119	0.29	Q				
0+45	0.0139	0.29	Q				
0+50	0.0160	0.29	Q				
0+55	0.0180	0.30	Q				
1+ 0	0.0201	0.31	Q				
1+ 5	0.0223	0.33	QV				
1+10	0.0246	0.33	QV				
1+15	0.0269	0.34	QV				
1+20	0.0293	0.34	QV				
1+25	0.0316	0.34	QV				
1+30	0.0339	0.34	QV				
1+35	0.0363	0.34	QV				
1+40	0.0386	0.34	QV				
1+45	0.0409	0.34	QV				
1+50	0.0433	0.34	Q V				
1+55	0.0456	0.34	Q V				
2+ 0	0.0480	0.35	Q V				
2+ 5	0.0505	0.36	Q V				
2+10	0.0529	0.35	Q V				
2+15	0.0555	0.37	Q V				
2+20	0.0581	0.38	Q V				
2+25	0.0607	0.38	Q V				
2+30	0.0633	0.38	Q V				

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    2+35       0.0659      0.38  Q  V      |          |          |          |
    2+40       0.0685      0.38  Q  V      |          |          |          |
    2+45       0.0712      0.39  Q  V      |          |          |          |
    2+50       0.0741      0.41  Q  V      |          |          |          |
    2+55       0.0770      0.42  Q  V      |          |          |          |
    3+ 0       0.0798      0.42  Q  V      |          |          |          |
    3+ 5       0.0828      0.42  Q  V      |          |          |          |
    3+10       0.0857      0.43  Q   V     |          |          |          |
    3+15       0.0889      0.45  Q   V     |          |          |          |
    3+20       0.0920      0.46  Q   V     |          |          |          |
    3+25       0.0953      0.47  Q   V     |          |          |          |
    3+30       0.0988      0.50 |Q  V      |          |          |          |
    3+35       0.1025      0.54 |Q  V      |          |          |          |
    3+40       0.1064      0.57 |Q  V      |          |          |          |
    3+45       0.1105      0.59 |Q   V     |          |          |          |
    3+50       0.1148      0.62 |Q   V     |          |          |          |
    3+55       0.1191      0.64 |Q   V     |          |          |          |
    4+ 0       0.1237      0.66 |Q   V     |          |          |          |
    4+ 5       0.1286      0.71 |Q    V    |          |          |          |
    4+10       0.1347      0.89 |Q    V    |          |          |          |
    4+15       0.1431      1.22 | Q   V    |          |          |          |
    4+20       0.1541      1.60 |  Q   V   |          |          |          |
    4+25       0.1678      1.99 |  Q   V   |          |          |          |
    4+30       0.1837      2.31 |   Q   V  |          |          |          |
    4+35       0.2011      2.52 |    Q   V|          |          |          |
    4+40       0.2209      2.88 |    Q    V|          |          |          |
    4+45       0.2434      3.28 |     Q   |V         |          |          |
    4+50       0.2682      3.59 |      Q  | V        |          |          |
    4+55       0.2943      3.79 |      Q  |  V       |          |          |
    5+ 0       0.3229      4.15 |       Q |    V     |          |          |
    5+ 5       0.3569      4.94 |        Q|     V    |          |          |
    5+10       0.4021      6.56 |         |  Q    V  |          |          |
    5+15       0.4588      8.24 |         |     Q   |V         |          |
    5+20       0.5250      9.61 |         |        Q|   V      |          |
    5+25       0.6016     11.12 |         |         | Q     V  |          |
    5+30       0.6941     13.43 |         |         |    Q     | V        |
    5+35       0.7780     12.18 |         |         |   Q      |     V    |
    5+40       0.8124      5.00 |        Q|         |          |       V  |
    5+45       0.8297      2.52 |    Q    |         |          |       V  |
    5+50       0.8398      1.46 | Q       |         |          |        V |
    5+55       0.8459      0.88 |Q        |         |          |        V |
    6+ 0       0.8493      0.49 Q         |         |          |        V |
    6+ 5       0.8509      0.23 Q         |         |          |        V |
    6+10       0.8512      0.05 Q         |         |          |        V |
    6+15       0.8513      0.02 Q         |         |          |        V |
    6+20       0.8514      0.01 Q         |         |          |        V |
    6+25       0.8514      0.00 Q         |         |          |        V |
    6+30       0.8515      0.00 Q         |         |          |        V |
    6+35       0.8515      0.00 Q         |         |          |        V |
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 02/14/22 File: 4066EX102410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6400

English (in-lb) Input Units Used
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English Units used in output format

HARLEY KNOX INDUSTRIAL DEVELOPMENT
EXISTING CONDITION
10-YEAR

Drainage Area = 21.65(Ac.) = 0.034 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.65(Ac.) = 0.034 Sq. Mi.
Length along longest watercourse = 725.00(Ft.)
Length along longest watercourse measured to centroid = 435.00(Ft.)
Length along longest watercourse = 0.137 Mi.
Length along longest watercourse measured to centroid = 0.082 Mi.
Difference in elevation = 2.80(Ft.)
Slope along watercourse = 20.3917 Ft./Mi.
Average Manning's 'N' = 0.030
Lag time = 0.074 Hr.
Lag time = 4.44 Min.
25% of lag time = 1.11 Min.
40% of lag time = 1.77 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	1.60	34.64

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	4.25	92.01

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 4.250(In)

Point rain (area averaged) = 2.690(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.690(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.650	76.00	0.000

Total Area Entered = 21.65(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
76.0	76.0	0.291	0.000	0.291	1.000	0.291
					Sum (F) =	0.291

Area averaged mean soil loss (F) (In/Hr) = 0.291
Minimum soil loss rate ((In/Hr)) = 0.146
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.900

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	112.702	23.048	5.029
2	0.167	225.403	48.848	10.658
3	0.250	338.105	14.006	3.056
4	0.333	450.806	6.406	1.398
5	0.417	563.508	3.560	0.777
6	0.500	676.209	2.174	0.474
7	0.583	788.911	1.283	0.280
8	0.667	901.612	0.674	0.147
		Sum =	100.000 Sum=	21.819

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit	Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.516)	0.019	0.002
2	0.17	0.07	0.022	(0.514)	0.019	0.002
3	0.25	0.07	0.022	(0.512)	0.019	0.002
4	0.33	0.10	0.032	(0.510)	0.029	0.003
5	0.42	0.10	0.032	(0.508)	0.029	0.003
6	0.50	0.10	0.032	(0.506)	0.029	0.003
7	0.58	0.10	0.032	(0.504)	0.029	0.003
8	0.67	0.10	0.032	(0.502)	0.029	0.003
9	0.75	0.10	0.032	(0.500)	0.029	0.003
10	0.83	0.13	0.043	(0.498)	0.039	0.004
11	0.92	0.13	0.043	(0.496)	0.039	0.004
12	1.00	0.13	0.043	(0.494)	0.039	0.004
13	1.08	0.10	0.032	(0.493)	0.029	0.003
14	1.17	0.10	0.032	(0.491)	0.029	0.003
15	1.25	0.10	0.032	(0.489)	0.029	0.003
16	1.33	0.10	0.032	(0.487)	0.029	0.003
17	1.42	0.10	0.032	(0.485)	0.029	0.003
18	1.50	0.10	0.032	(0.483)	0.029	0.003
19	1.58	0.10	0.032	(0.481)	0.029	0.003
20	1.67	0.10	0.032	(0.479)	0.029	0.003
21	1.75	0.10	0.032	(0.477)	0.029	0.003
22	1.83	0.13	0.043	(0.475)	0.039	0.004
23	1.92	0.13	0.043	(0.473)	0.039	0.004
24	2.00	0.13	0.043	(0.471)	0.039	0.004
25	2.08	0.13	0.043	(0.469)	0.039	0.004
26	2.17	0.13	0.043	(0.467)	0.039	0.004
27	2.25	0.13	0.043	(0.466)	0.039	0.004
28	2.33	0.13	0.043	(0.464)	0.039	0.004
29	2.42	0.13	0.043	(0.462)	0.039	0.004
30	2.50	0.13	0.043	(0.460)	0.039	0.004
31	2.58	0.17	0.054	(0.458)	0.048	0.005
32	2.67	0.17	0.054	(0.456)	0.048	0.005
33	2.75	0.17	0.054	(0.454)	0.048	0.005
34	2.83	0.17	0.054	(0.452)	0.048	0.005
35	2.92	0.17	0.054	(0.451)	0.048	0.005
36	3.00	0.17	0.054	(0.449)	0.048	0.005
37	3.08	0.17	0.054	(0.447)	0.048	0.005
38	3.17	0.17	0.054	(0.445)	0.048	0.005
39	3.25	0.17	0.054	(0.443)	0.048	0.005
40	3.33	0.17	0.054	(0.441)	0.048	0.005
41	3.42	0.17	0.054	(0.439)	0.048	0.005
42	3.50	0.17	0.054	(0.438)	0.048	0.005
43	3.58	0.17	0.054	(0.436)	0.048	0.005
44	3.67	0.17	0.054	(0.434)	0.048	0.005
45	3.75	0.17	0.054	(0.432)	0.048	0.005
46	3.83	0.20	0.065	(0.430)	0.058	0.006

47	3.92	0.20	0.065	(0.428)	0.058	0.006
48	4.00	0.20	0.065	(0.427)	0.058	0.006
49	4.08	0.20	0.065	(0.425)	0.058	0.006
50	4.17	0.20	0.065	(0.423)	0.058	0.006
51	4.25	0.20	0.065	(0.421)	0.058	0.006
52	4.33	0.23	0.075	(0.419)	0.068	0.008
53	4.42	0.23	0.075	(0.418)	0.068	0.008
54	4.50	0.23	0.075	(0.416)	0.068	0.008
55	4.58	0.23	0.075	(0.414)	0.068	0.008
56	4.67	0.23	0.075	(0.412)	0.068	0.008
57	4.75	0.23	0.075	(0.411)	0.068	0.008
58	4.83	0.27	0.086	(0.409)	0.077	0.009
59	4.92	0.27	0.086	(0.407)	0.077	0.009
60	5.00	0.27	0.086	(0.405)	0.077	0.009
61	5.08	0.20	0.065	(0.403)	0.058	0.006
62	5.17	0.20	0.065	(0.402)	0.058	0.006
63	5.25	0.20	0.065	(0.400)	0.058	0.006
64	5.33	0.23	0.075	(0.398)	0.068	0.008
65	5.42	0.23	0.075	(0.396)	0.068	0.008
66	5.50	0.23	0.075	(0.395)	0.068	0.008
67	5.58	0.27	0.086	(0.393)	0.077	0.009
68	5.67	0.27	0.086	(0.391)	0.077	0.009
69	5.75	0.27	0.086	(0.390)	0.077	0.009
70	5.83	0.27	0.086	(0.388)	0.077	0.009
71	5.92	0.27	0.086	(0.386)	0.077	0.009
72	6.00	0.27	0.086	(0.384)	0.077	0.009
73	6.08	0.30	0.097	(0.383)	0.087	0.010
74	6.17	0.30	0.097	(0.381)	0.087	0.010
75	6.25	0.30	0.097	(0.379)	0.087	0.010
76	6.33	0.30	0.097	(0.378)	0.087	0.010
77	6.42	0.30	0.097	(0.376)	0.087	0.010
78	6.50	0.30	0.097	(0.374)	0.087	0.010
79	6.58	0.33	0.108	(0.373)	0.097	0.011
80	6.67	0.33	0.108	(0.371)	0.097	0.011
81	6.75	0.33	0.108	(0.369)	0.097	0.011
82	6.83	0.33	0.108	(0.368)	0.097	0.011
83	6.92	0.33	0.108	(0.366)	0.097	0.011
84	7.00	0.33	0.108	(0.364)	0.097	0.011
85	7.08	0.33	0.108	(0.363)	0.097	0.011
86	7.17	0.33	0.108	(0.361)	0.097	0.011
87	7.25	0.33	0.108	(0.359)	0.097	0.011
88	7.33	0.37	0.118	(0.358)	0.107	0.012
89	7.42	0.37	0.118	(0.356)	0.107	0.012
90	7.50	0.37	0.118	(0.354)	0.107	0.012
91	7.58	0.40	0.129	(0.353)	0.116	0.013
92	7.67	0.40	0.129	(0.351)	0.116	0.013
93	7.75	0.40	0.129	(0.349)	0.116	0.013
94	7.83	0.43	0.140	(0.348)	0.126	0.014
95	7.92	0.43	0.140	(0.346)	0.126	0.014
96	8.00	0.43	0.140	(0.345)	0.126	0.014
97	8.08	0.50	0.161	(0.343)	0.145	0.016
98	8.17	0.50	0.161	(0.341)	0.145	0.016
99	8.25	0.50	0.161	(0.340)	0.145	0.016
100	8.33	0.50	0.161	(0.338)	0.145	0.016
101	8.42	0.50	0.161	(0.337)	0.145	0.016
102	8.50	0.50	0.161	(0.335)	0.145	0.016
103	8.58	0.53	0.172	(0.334)	0.155	0.017
104	8.67	0.53	0.172	(0.332)	0.155	0.017
105	8.75	0.53	0.172	(0.330)	0.155	0.017
106	8.83	0.57	0.183	(0.329)	0.165	0.018
107	8.92	0.57	0.183	(0.327)	0.165	0.018
108	9.00	0.57	0.183	(0.326)	0.165	0.018
109	9.08	0.63	0.204	(0.324)	0.184	0.020
110	9.17	0.63	0.204	(0.323)	0.184	0.020
111	9.25	0.63	0.204	(0.321)	0.184	0.020
112	9.33	0.67	0.215	(0.320)	0.194	0.022
113	9.42	0.67	0.215	(0.318)	0.194	0.022
114	9.50	0.67	0.215	(0.317)	0.194	0.022
115	9.58	0.70	0.226	(0.315)	0.203	0.023
116	9.67	0.70	0.226	(0.314)	0.203	0.023
117	9.75	0.70	0.226	(0.312)	0.203	0.023
118	9.83	0.73	0.237	(0.310)	0.213	0.024
119	9.92	0.73	0.237	(0.309)	0.213	0.024
120	10.00	0.73	0.237	(0.308)	0.213	0.024
121	10.08	0.50	0.161	(0.306)	0.145	0.016
122	10.17	0.50	0.161	(0.305)	0.145	0.016
123	10.25	0.50	0.161	(0.303)	0.145	0.016

124	10.33	0.50	0.161	(0.302)	0.145	0.016
125	10.42	0.50	0.161	(0.300)	0.145	0.016
126	10.50	0.50	0.161	(0.299)	0.145	0.016
127	10.58	0.67	0.215	(0.297)	0.194	0.022
128	10.67	0.67	0.215	(0.296)	0.194	0.022
129	10.75	0.67	0.215	(0.294)	0.194	0.022
130	10.83	0.67	0.215	(0.293)	0.194	0.022
131	10.92	0.67	0.215	(0.291)	0.194	0.022
132	11.00	0.67	0.215	(0.290)	0.194	0.022
133	11.08	0.63	0.204	(0.289)	0.184	0.020
134	11.17	0.63	0.204	(0.287)	0.184	0.020
135	11.25	0.63	0.204	(0.286)	0.184	0.020
136	11.33	0.63	0.204	(0.284)	0.184	0.020
137	11.42	0.63	0.204	(0.283)	0.184	0.020
138	11.50	0.63	0.204	(0.281)	0.184	0.020
139	11.58	0.57	0.183	(0.280)	0.165	0.018
140	11.67	0.57	0.183	(0.279)	0.165	0.018
141	11.75	0.57	0.183	(0.277)	0.165	0.018
142	11.83	0.60	0.194	(0.276)	0.174	0.019
143	11.92	0.60	0.194	(0.275)	0.174	0.019
144	12.00	0.60	0.194	(0.273)	0.174	0.019
145	12.08	0.83	0.269	(0.272)	0.242	0.027
146	12.17	0.83	0.269	(0.270)	0.242	0.027
147	12.25	0.83	0.269	(0.269)	0.242	0.027
148	12.33	0.87	0.280	(0.268)	0.252	0.028
149	12.42	0.87	0.280	(0.266)	0.252	0.028
150	12.50	0.87	0.280	(0.265)	0.252	0.028
151	12.58	0.93	0.301	0.264 (0.271)		0.038
152	12.67	0.93	0.301	0.262 (0.271)		0.039
153	12.75	0.93	0.301	0.261 (0.271)		0.040
154	12.83	0.97	0.312	0.260 (0.281)		0.052
155	12.92	0.97	0.312	0.258 (0.281)		0.054
156	13.00	0.97	0.312	0.257 (0.281)		0.055
157	13.08	1.13	0.366	0.256 (0.329)		0.110
158	13.17	1.13	0.366	0.255 (0.329)		0.111
159	13.25	1.13	0.366	0.253 (0.329)		0.113
160	13.33	1.13	0.366	0.252 (0.329)		0.114
161	13.42	1.13	0.366	0.251 (0.329)		0.115
162	13.50	1.13	0.366	0.249 (0.329)		0.116
163	13.58	0.77	0.247	(0.248)	0.223	0.025
164	13.67	0.77	0.247	(0.247)	0.223	0.025
165	13.75	0.77	0.247	(0.246)	0.223	0.025
166	13.83	0.77	0.247	(0.244)	0.223	0.025
167	13.92	0.77	0.247	(0.243)	0.223	0.025
168	14.00	0.77	0.247	(0.242)	0.223	0.025
169	14.08	0.90	0.291	0.241 (0.261)		0.050
170	14.17	0.90	0.291	0.239 (0.261)		0.051
171	14.25	0.90	0.291	0.238 (0.261)		0.052
172	14.33	0.87	0.280	0.237 (0.252)		0.043
173	14.42	0.87	0.280	0.236 (0.252)		0.044
174	14.50	0.87	0.280	0.235 (0.252)		0.045
175	14.58	0.87	0.280	0.233 (0.252)		0.046
176	14.67	0.87	0.280	0.232 (0.252)		0.048
177	14.75	0.87	0.280	0.231 (0.252)		0.049
178	14.83	0.83	0.269	0.230 (0.242)		0.039
179	14.92	0.83	0.269	0.229 (0.242)		0.040
180	15.00	0.83	0.269	0.227 (0.242)		0.042
181	15.08	0.80	0.258	0.226 (0.232)		0.032
182	15.17	0.80	0.258	0.225 (0.232)		0.033
183	15.25	0.80	0.258	0.224 (0.232)		0.034
184	15.33	0.77	0.247	(0.223)	0.223	0.025
185	15.42	0.77	0.247	0.222 (0.223)		0.026
186	15.50	0.77	0.247	0.221 (0.223)		0.027
187	15.58	0.63	0.204	(0.219)	0.184	0.020
188	15.67	0.63	0.204	(0.218)	0.184	0.020
189	15.75	0.63	0.204	(0.217)	0.184	0.020
190	15.83	0.63	0.204	(0.216)	0.184	0.020
191	15.92	0.63	0.204	(0.215)	0.184	0.020
192	16.00	0.63	0.204	(0.214)	0.184	0.020
193	16.08	0.13	0.043	(0.213)	0.039	0.004
194	16.17	0.13	0.043	(0.212)	0.039	0.004
195	16.25	0.13	0.043	(0.211)	0.039	0.004
196	16.33	0.13	0.043	(0.210)	0.039	0.004
197	16.42	0.13	0.043	(0.208)	0.039	0.004
198	16.50	0.13	0.043	(0.207)	0.039	0.004
199	16.58	0.10	0.032	(0.206)	0.029	0.003
200	16.67	0.10	0.032	(0.205)	0.029	0.003

201	16.75	0.10	0.032	(0.204)	0.029	0.003
202	16.83	0.10	0.032	(0.203)	0.029	0.003
203	16.92	0.10	0.032	(0.202)	0.029	0.003
204	17.00	0.10	0.032	(0.201)	0.029	0.003
205	17.08	0.17	0.054	(0.200)	0.048	0.005
206	17.17	0.17	0.054	(0.199)	0.048	0.005
207	17.25	0.17	0.054	(0.198)	0.048	0.005
208	17.33	0.17	0.054	(0.197)	0.048	0.005
209	17.42	0.17	0.054	(0.196)	0.048	0.005
210	17.50	0.17	0.054	(0.195)	0.048	0.005
211	17.58	0.17	0.054	(0.194)	0.048	0.005
212	17.67	0.17	0.054	(0.193)	0.048	0.005
213	17.75	0.17	0.054	(0.192)	0.048	0.005
214	17.83	0.13	0.043	(0.191)	0.039	0.004
215	17.92	0.13	0.043	(0.190)	0.039	0.004
216	18.00	0.13	0.043	(0.189)	0.039	0.004
217	18.08	0.13	0.043	(0.188)	0.039	0.004
218	18.17	0.13	0.043	(0.188)	0.039	0.004
219	18.25	0.13	0.043	(0.187)	0.039	0.004
220	18.33	0.13	0.043	(0.186)	0.039	0.004
221	18.42	0.13	0.043	(0.185)	0.039	0.004
222	18.50	0.13	0.043	(0.184)	0.039	0.004
223	18.58	0.10	0.032	(0.183)	0.029	0.003
224	18.67	0.10	0.032	(0.182)	0.029	0.003
225	18.75	0.10	0.032	(0.181)	0.029	0.003
226	18.83	0.07	0.022	(0.180)	0.019	0.002
227	18.92	0.07	0.022	(0.180)	0.019	0.002
228	19.00	0.07	0.022	(0.179)	0.019	0.002
229	19.08	0.10	0.032	(0.178)	0.029	0.003
230	19.17	0.10	0.032	(0.177)	0.029	0.003
231	19.25	0.10	0.032	(0.176)	0.029	0.003
232	19.33	0.13	0.043	(0.175)	0.039	0.004
233	19.42	0.13	0.043	(0.175)	0.039	0.004
234	19.50	0.13	0.043	(0.174)	0.039	0.004
235	19.58	0.10	0.032	(0.173)	0.029	0.003
236	19.67	0.10	0.032	(0.172)	0.029	0.003
237	19.75	0.10	0.032	(0.171)	0.029	0.003
238	19.83	0.07	0.022	(0.171)	0.019	0.002
239	19.92	0.07	0.022	(0.170)	0.019	0.002
240	20.00	0.07	0.022	(0.169)	0.019	0.002
241	20.08	0.10	0.032	(0.168)	0.029	0.003
242	20.17	0.10	0.032	(0.168)	0.029	0.003
243	20.25	0.10	0.032	(0.167)	0.029	0.003
244	20.33	0.10	0.032	(0.166)	0.029	0.003
245	20.42	0.10	0.032	(0.165)	0.029	0.003
246	20.50	0.10	0.032	(0.165)	0.029	0.003
247	20.58	0.10	0.032	(0.164)	0.029	0.003
248	20.67	0.10	0.032	(0.163)	0.029	0.003
249	20.75	0.10	0.032	(0.163)	0.029	0.003
250	20.83	0.07	0.022	(0.162)	0.019	0.002
251	20.92	0.07	0.022	(0.161)	0.019	0.002
252	21.00	0.07	0.022	(0.161)	0.019	0.002
253	21.08	0.10	0.032	(0.160)	0.029	0.003
254	21.17	0.10	0.032	(0.159)	0.029	0.003
255	21.25	0.10	0.032	(0.159)	0.029	0.003
256	21.33	0.07	0.022	(0.158)	0.019	0.002
257	21.42	0.07	0.022	(0.158)	0.019	0.002
258	21.50	0.07	0.022	(0.157)	0.019	0.002
259	21.58	0.10	0.032	(0.156)	0.029	0.003
260	21.67	0.10	0.032	(0.156)	0.029	0.003
261	21.75	0.10	0.032	(0.155)	0.029	0.003
262	21.83	0.07	0.022	(0.155)	0.019	0.002
263	21.92	0.07	0.022	(0.154)	0.019	0.002
264	22.00	0.07	0.022	(0.154)	0.019	0.002
265	22.08	0.10	0.032	(0.153)	0.029	0.003
266	22.17	0.10	0.032	(0.153)	0.029	0.003
267	22.25	0.10	0.032	(0.152)	0.029	0.003
268	22.33	0.07	0.022	(0.152)	0.019	0.002
269	22.42	0.07	0.022	(0.151)	0.019	0.002
270	22.50	0.07	0.022	(0.151)	0.019	0.002
271	22.58	0.07	0.022	(0.150)	0.019	0.002
272	22.67	0.07	0.022	(0.150)	0.019	0.002
273	22.75	0.07	0.022	(0.150)	0.019	0.002
274	22.83	0.07	0.022	(0.149)	0.019	0.002
275	22.92	0.07	0.022	(0.149)	0.019	0.002
276	23.00	0.07	0.022	(0.148)	0.019	0.002
277	23.08	0.07	0.022	(0.148)	0.019	0.002

278	23.17	0.07	0.022	(0.148)	0.019	0.002	
279	23.25	0.07	0.022	(0.147)	0.019	0.002	
280	23.33	0.07	0.022	(0.147)	0.019	0.002	
281	23.42	0.07	0.022	(0.147)	0.019	0.002	
282	23.50	0.07	0.022	(0.147)	0.019	0.002	
283	23.58	0.07	0.022	(0.146)	0.019	0.002	
284	23.67	0.07	0.022	(0.146)	0.019	0.002	
285	23.75	0.07	0.022	(0.146)	0.019	0.002	
286	23.83	0.07	0.022	(0.146)	0.019	0.002	
287	23.92	0.07	0.022	(0.146)	0.019	0.002	
288	24.00	0.07	0.022	(0.146)	0.019	0.002	

(Loss Rate Not Used)

Sum = 100.0 Sum = 4.0

Flood volume = Effective rainfall 0.34(In)
times area 21.6(Ac.)/[(In)/(Ft.)] = 0.6(Ac.Ft)
Total soil loss = 2.36(In)
Total soil loss = 4.249(Ac.Ft)
Total rainfall = 2.69(In)
Flood volume = 26329.4 Cubic Feet
Total soil loss = 185085.6 Cubic Feet

Peak flow rate of this hydrograph = 2.482(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0001	0.01	Q				
0+10	0.0003	0.03	Q				
0+15	0.0006	0.04	Q				
0+20	0.0009	0.05	Q				
0+25	0.0013	0.06	Q				
0+30	0.0018	0.07	Q				
0+35	0.0023	0.07	Q				
0+40	0.0028	0.07	Q				
0+45	0.0032	0.07	Q				
0+50	0.0038	0.08	Q				
0+55	0.0044	0.09	Q				
1+ 0	0.0050	0.09	Q				
1+ 5	0.0056	0.09	Q				
1+10	0.0061	0.08	Q				
1+15	0.0066	0.07	Q				
1+20	0.0071	0.07	Q				
1+25	0.0076	0.07	Q				
1+30	0.0081	0.07	Q				
1+35	0.0086	0.07	Q				
1+40	0.0091	0.07	Q				
1+45	0.0095	0.07	Q				
1+50	0.0101	0.08	Q				
1+55	0.0107	0.09	Q				
2+ 0	0.0113	0.09	Q				
2+ 5	0.0119	0.09	Q				
2+10	0.0126	0.09	Q				
2+15	0.0132	0.09	Q				
2+20	0.0139	0.09	Q				
2+25	0.0145	0.09	Q				
2+30	0.0152	0.09	QV				
2+35	0.0158	0.10	QV				
2+40	0.0166	0.11	QV				
2+45	0.0174	0.11	QV				
2+50	0.0182	0.12	QV				
2+55	0.0190	0.12	QV				
3+ 0	0.0198	0.12	QV				
3+ 5	0.0206	0.12	QV				
3+10	0.0214	0.12	QV				
3+15	0.0222	0.12	QV				
3+20	0.0230	0.12	QV				
3+25	0.0238	0.12	QV				
3+30	0.0246	0.12	QV				
3+35	0.0255	0.12	QV				
3+40	0.0263	0.12	QV				
3+45	0.0271	0.12	QV				

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 3+50       0.0279      0.12  QV        |         |         |         |
 3+55       0.0288      0.13  QV        |         |         |         |
 4+ 0       0.0298      0.14  QV        |         |         |         |
 4+ 5       0.0307      0.14  Q V       |         |         |         |
 4+10       0.0317      0.14  Q V       |         |         |         |
 4+15       0.0327      0.14  Q V       |         |         |         |
 4+20       0.0337      0.15  Q V       |         |         |         |
 4+25       0.0348      0.16  Q V       |         |         |         |
 4+30       0.0359      0.16  Q V       |         |         |         |
 4+35       0.0370      0.16  Q V       |         |         |         |
 4+40       0.0381      0.16  Q V       |         |         |         |
 4+45       0.0393      0.16  Q V       |         |         |         |
 4+50       0.0404      0.17  Q V       |         |         |         |
 4+55       0.0417      0.18  Q V       |         |         |         |
 5+ 0       0.0429      0.18  Q V       |         |         |         |
 5+ 5       0.0442      0.18  Q V       |         |         |         |
 5+10       0.0452      0.15  Q V       |         |         |         |
 5+15       0.0462      0.15  Q  V      |         |         |         |
 5+20       0.0473      0.15  Q  V      |         |         |         |
 5+25       0.0484      0.16  Q  V      |         |         |         |
 5+30       0.0495      0.16  Q  V      |         |         |         |
 5+35       0.0506      0.17  Q  V      |         |         |         |
 5+40       0.0519      0.18  Q  V      |         |         |         |
 5+45       0.0531      0.18  Q  V      |         |         |         |
 5+50       0.0544      0.19  Q  V      |         |         |         |
 5+55       0.0557      0.19  Q  V      |         |         |         |
 6+ 0       0.0570      0.19  Q  V      |         |         |         |
 6+ 5       0.0583      0.19  Q  V      |         |         |         |
 6+10       0.0597      0.20  Q  V      |         |         |         |
 6+15       0.0612      0.21  Q   V     |         |         |         |
 6+20       0.0626      0.21  Q   V     |         |         |         |
 6+25       0.0641      0.21  Q   V     |         |         |         |
 6+30       0.0655      0.21  Q   V     |         |         |         |
 6+35       0.0670      0.22  Q   V     |         |         |         |
 6+40       0.0686      0.23  Q   V     |         |         |         |
 6+45       0.0702      0.23  Q   V     |         |         |         |
 6+50       0.0718      0.23  Q   V     |         |         |         |
 6+55       0.0734      0.23  Q   V     |         |         |         |
 7+ 0       0.0750      0.23  Q   V     |         |         |         |
 7+ 5       0.0766      0.23  Q    V    |         |         |         |
 7+10       0.0782      0.23  Q    V    |         |         |         |
 7+15       0.0799      0.23  Q    V    |         |         |         |
 7+20       0.0815      0.24  Q    V    |         |         |         |
 7+25       0.0833      0.25  |Q   V    |         |         |         |
 7+30       0.0850      0.26  |Q   V    |         |         |         |
 7+35       0.0868      0.26  |Q   V    |         |         |         |
 7+40       0.0887      0.27  |Q   V    |         |         |         |
 7+45       0.0906      0.28  |Q   V    |         |         |         |
 7+50       0.0926      0.29  |Q    V   |         |         |         |
 7+55       0.0946      0.30  |Q    V   |         |         |         |
 8+ 0       0.0967      0.30  |Q    V   |         |         |         |
 8+ 5       0.0989      0.31  |Q    V   |         |         |         |
 8+10       0.1012      0.34  |Q    V   |         |         |         |
 8+15       0.1036      0.35  |Q    V   |         |         |         |
 8+20       0.1060      0.35  |Q     V  |         |         |         |
 8+25       0.1084      0.35  |Q     V  |         |         |         |
 8+30       0.1108      0.35  |Q     V  |         |         |         |
 8+35       0.1133      0.36  |Q     V  |         |         |         |
 8+40       0.1158      0.37  |Q     V  |         |         |         |
 8+45       0.1184      0.37  |Q     V  |         |         |         |
 8+50       0.1210      0.38  |Q      V |         |         |         |
 8+55       0.1237      0.39  |Q      V |         |         |         |
 9+ 0       0.1264      0.40  |Q      V |         |         |         |
 9+ 5       0.1292      0.41  |Q      V |         |         |         |
 9+10       0.1322      0.43  |Q      V |         |         |         |
 9+15       0.1352      0.44  |Q      V |         |         |         |
 9+20       0.1383      0.45  |Q       V|         |         |         |
 9+25       0.1415      0.46  |Q       V|         |         |         |
 9+30       0.1447      0.47  |Q       V|         |         |         |
 9+35       0.1480      0.47  |Q       V|         |         |         |
 9+40       0.1513      0.49  |Q        V         |         |         |
 9+45       0.1547      0.49  |Q        V         |         |         |
 9+50       0.1581      0.50  |Q        V         |         |         |
 9+55       0.1616      0.51  | Q       V         |         |         |
10+ 0       0.1651      0.51  | Q       V         |         |         |
10+ 5       0.1684      0.48  |Q        |V        |         |         |
10+10       0.1712      0.40  |Q        |V        |         |         |
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10+15       0.1737      0.38  |Q        |V        |         |         |
10+20       0.1763      0.36  |Q        |V        |         |         |
10+25       0.1787      0.36  |Q        |V        |         |         |
10+30       0.1812      0.36  |Q        |V        |         |         |
10+35       0.1838      0.38  |Q        | V       |         |         |
10+40       0.1868      0.44  |Q        | V       |         |         |
10+45       0.1899      0.45  |Q        | V       |         |         |
10+50       0.1931      0.46  |Q        | V       |         |         |
10+55       0.1963      0.46  |Q        | V       |         |         |
11+ 0       0.1995      0.47  |Q        |  V      |         |         |
11+ 5       0.2027      0.46  |Q        |  V      |         |         |
11+10       0.2058      0.45  |Q        |  V      |         |         |
11+15       0.2089      0.45  |Q        |  V      |         |         |
11+20       0.2120      0.45  |Q        |   V     |         |         |
11+25       0.2151      0.45  |Q        |   V     |         |         |
11+30       0.2182      0.45  |Q        |   V     |         |         |
11+35       0.2212      0.44  |Q        |   V     |         |         |
11+40       0.2240      0.41  |Q        |   V     |         |         |
11+45       0.2268      0.41  |Q        |    V    |         |         |
11+50       0.2296      0.41  |Q        |    V    |         |         |
11+55       0.2325      0.42  |Q        |    V    |         |         |
12+ 0       0.2354      0.42  |Q        |    V    |         |         |
12+ 5       0.2386      0.46  |Q        |    V    |         |         |
12+10       0.2423      0.54  | Q       |     V   |         |         |
12+15       0.2462      0.56  | Q       |     V   |         |         |
12+20       0.2502      0.58  | Q       |     V   |         |         |
12+25       0.2543      0.60  | Q       |     V   |         |         |
12+30       0.2584      0.60  | Q       |      V  |         |         |
12+35       0.2630      0.66  | Q       |      V  |         |         |
12+40       0.2682      0.77  |  Q      |      V  |         |         |
12+45       0.2739      0.82  |  Q      |       V |         |         |
12+50       0.2801      0.91  |  Q      |       V |         |         |
12+55       0.2874      1.06  |   Q     |        V|         |         |
13+ 0       0.2952      1.12  |   Q     |        V|         |         |
13+ 5       0.3051      1.44  |    Q    |         V         |         |
13+10       0.3192      2.05  |       Q |         |V        |         |
13+15       0.3347      2.25  |        Q|         | V       |         |
13+20       0.3509      2.36  |        Q|         |  V      |         |
13+25       0.3677      2.43  |        Q|         |   V     |         |
13+30       0.3848      2.48  |        Q|         |    V    |         |
13+35       0.3989      2.06  |       Q |         |     V   |         |
13+40       0.4065      1.09  |   Q     |         |     V   |         |
13+45       0.4121      0.82  |  Q      |         |      V  |         |
13+50       0.4169      0.69  | Q       |         |      V  |         |
13+55       0.4212      0.62  | Q       |         |      V  |         |
14+ 0       0.4251      0.58  | Q       |         |       V |         |
14+ 5       0.4298      0.68  | Q       |         |       V |         |
14+10       0.4363      0.94  |  Q      |         |       V |         |
14+15       0.4434      1.04  |   Q     |         |        V|         |
14+20       0.4506      1.04  |   Q     |         |        V|         |
14+25       0.4573      0.97  |  Q      |         |         V         |
14+30       0.4640      0.97  |  Q      |         |         V         |
14+35       0.4708      0.99  |  Q      |         |          |V       |
14+40       0.4778      1.01  |   Q     |         |          |V       |
14+45       0.4850      1.04  |   Q     |         |          | V      |
14+50       0.4919      1.00  |   Q     |         |          | V      |
14+55       0.4982      0.91  |  Q      |         |          | V      |
15+ 0       0.5044      0.91  |  Q      |         |          |  V     |
15+ 5       0.5104      0.86  |  Q      |         |          |  V     |
15+10       0.5156      0.77  |  Q      |         |          |   V    |
15+15       0.5208      0.75  |  Q      |         |          |   V    |
15+20       0.5257      0.71  | Q       |         |          |   V    |
15+25       0.5298      0.61  | Q       |         |          |    V   |
15+30       0.5339      0.59  | Q       |         |          |    V   |
15+35       0.5378      0.56  | Q       |         |          |    V   |
15+40       0.5412      0.49  |Q        |         |          |    V   |
15+45       0.5444      0.47  |Q        |         |          |     V  |
15+50       0.5475      0.46  |Q        |         |          |     V  |
15+55       0.5506      0.45  |Q        |         |          |     V  |
16+ 0       0.5537      0.45  |Q        |         |          |     V  |
16+ 5       0.5563      0.37  |Q        |         |          |     V  |
16+10       0.5576      0.19  Q        |         |          |     V  |
16+15       0.5586      0.14  Q        |         |          |     V  |
16+20       0.5594      0.12  Q        |         |          |      V |
16+25       0.5602      0.11  Q        |         |          |      V |
16+30       0.5608      0.10  Q        |         |          |      V |
16+35       0.5615      0.09  Q        |         |          |      V |
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16+40	0.5620	0.08	Q	|	|	|	V |
16+45	0.5625	0.07	Q	|	|	|	V |
16+50	0.5630	0.07	Q	|	|	|	V |
16+55	0.5635	0.07	Q	|	|	|	V |
17+ 0	0.5640	0.07	Q	|	|	|	V |
17+ 5	0.5646	0.08	Q	|	|	|	V |
17+10	0.5653	0.10	Q	|	|	|	V |
17+15	0.5660	0.11	Q	|	|	|	V |
17+20	0.5668	0.11	Q	|	|	|	V |
17+25	0.5676	0.12	Q	|	|	|	V |
17+30	0.5684	0.12	Q	|	|	|	V |
17+35	0.5692	0.12	Q	|	|	|	V |
17+40	0.5700	0.12	Q	|	|	|	V |
17+45	0.5708	0.12	Q	|	|	|	V |
17+50	0.5716	0.11	Q	|	|	|	V |
17+55	0.5723	0.10	Q	|	|	|	V |
18+ 0	0.5730	0.10	Q	|	|	|	V |
18+ 5	0.5736	0.10	Q	|	|	|	V |
18+10	0.5743	0.09	Q	|	|	|	V |
18+15	0.5749	0.09	Q	|	|	|	V |
18+20	0.5756	0.09	Q	|	|	|	V |
18+25	0.5762	0.09	Q	|	|	|	V |
18+30	0.5769	0.09	Q	|	|	|	V |
18+35	0.5775	0.09	Q	|	|	|	V |
18+40	0.5780	0.08	Q	|	|	|	V |
18+45	0.5785	0.07	Q	|	|	|	V |
18+50	0.5790	0.07	Q	|	|	|	V |
18+55	0.5794	0.05	Q	|	|	|	V |
19+ 0	0.5797	0.05	Q	|	|	|	V |
19+ 5	0.5801	0.05	Q	|	|	|	V |
19+10	0.5805	0.06	Q	|	|	|	V |
19+15	0.5810	0.07	Q	|	|	|	V |
19+20	0.5815	0.07	Q	|	|	|	V |
19+25	0.5821	0.09	Q	|	|	|	V |
19+30	0.5827	0.09	Q	|	|	|	V |
19+35	0.5833	0.09	Q	|	|	|	V |
19+40	0.5839	0.08	Q	|	|	|	V |
19+45	0.5844	0.07	Q	|	|	|	V |
19+50	0.5848	0.07	Q	|	|	|	V |
19+55	0.5852	0.05	Q	|	|	|	V |
20+ 0	0.5855	0.05	Q	|	|	|	V |
20+ 5	0.5859	0.05	Q	|	|	|	V |
20+10	0.5864	0.06	Q	|	|	|	V |
20+15	0.5868	0.07	Q	|	|	|	V |
20+20	0.5873	0.07	Q	|	|	|	V |
20+25	0.5878	0.07	Q	|	|	|	V |
20+30	0.5883	0.07	Q	|	|	|	V |
20+35	0.5887	0.07	Q	|	|	|	V |
20+40	0.5892	0.07	Q	|	|	|	V |
20+45	0.5897	0.07	Q	|	|	|	V|
20+50	0.5902	0.07	Q	|	|	|	V|
20+55	0.5905	0.05	Q	|	|	|	V|
21+ 0	0.5909	0.05	Q	|	|	|	V|
21+ 5	0.5913	0.05	Q	|	|	|	V|
21+10	0.5917	0.06	Q	|	|	|	V|
21+15	0.5922	0.07	Q	|	|	|	V|
21+20	0.5926	0.06	Q	|	|	|	V|
21+25	0.5930	0.05	Q	|	|	|	V|
21+30	0.5933	0.05	Q	|	|	|	V|
21+35	0.5937	0.05	Q	|	|	|	V|
21+40	0.5941	0.06	Q	|	|	|	V|
21+45	0.5946	0.07	Q	|	|	|	V|
21+50	0.5950	0.06	Q	|	|	|	V|
21+55	0.5954	0.05	Q	|	|	|	V|
22+ 0	0.5957	0.05	Q	|	|	|	V|
22+ 5	0.5961	0.05	Q	|	|	|	V|
22+10	0.5966	0.06	Q	|	|	|	V|
22+15	0.5970	0.07	Q	|	|	|	V|
22+20	0.5975	0.06	Q	|	|	|	V|
22+25	0.5978	0.05	Q	|	|	|	V|
22+30	0.5982	0.05	Q	|	|	|	V|
22+35	0.5985	0.05	Q	|	|	|	V|
22+40	0.5988	0.05	Q	|	|	|	V|
22+45	0.5992	0.05	Q	|	|	|	V|
22+50	0.5995	0.05	Q	|	|	|	V|
22+55	0.5998	0.05	Q	|	|	|	V|
23+ 0	0.6001	0.05	Q	|	|	|	V|

23+ 5	0.6004	0.05	Q	|	|	|	V|
23+10	0.6008	0.05	Q	|	|	|	V|
23+15	0.6011	0.05	Q	|	|	|	V|
23+20	0.6014	0.05	Q	|	|	|	V|
23+25	0.6017	0.05	Q	|	|	|	V|
23+30	0.6021	0.05	Q	|	|	|	V|
23+35	0.6024	0.05	Q	|	|	|	V|
23+40	0.6027	0.05	Q	|	|	|	V|
23+45	0.6030	0.05	Q	|	|	|	V|
23+50	0.6034	0.05	Q	|	|	|	V|
23+55	0.6037	0.05	Q	|	|	|	V|
24+ 0	0.6040	0.05	Q	|	|	|	V|
24+ 5	0.6043	0.04	Q	|	|	|	V|
24+10	0.6043	0.01	Q	|	|	|	V|
24+15	0.6044	0.01	Q	|	|	|	V|
24+20	0.6044	0.00	Q	|	|	|	V|
24+25	0.6044	0.00	Q	|	|	|	V|
24+30	0.6044	0.00	Q	|	|	|	V|
24+35	0.6044	0.00	Q	|	|	|	V

PROPOSED CONDITION

U n i t H y d r o g r a p h A n a l y s i s

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6400

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

HARLEY KNOX INDUSTRIAL DEVELOPMENT
PROPOSED CONDITION
10-YEAR

Drainage Area = 21.65(Ac.) = 0.034 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.65(Ac.) = 0.034 Sq. Mi.
Length along longest watercourse = 725.00(Ft.)
Length along longest watercourse measured to centroid = 435.00(Ft.)
Length along longest watercourse = 0.137 Mi.
Length along longest watercourse measured to centroid = 0.082 Mi.
Difference in elevation = 2.80(Ft.)
Slope along watercourse = 20.3917 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.037 Hr.
Lag time = 2.22 Min.
25% of lag time = 0.55 Min.
40% of lag time = 0.89 Min.
Unit time = 5.00 Min.
Duration of storm = 1 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	0.46	9.96

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	1.23	26.63

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.460(In)
Area Averaged 100-Year Rainfall = 1.230(In)

Point rain (area averaged) = 0.777(In)
Areal adjustment factor = 99.98 %
Adjusted average point rain = 0.777(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.650	56.00	0.900

Total Area Entered = 21.65(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
56.0	56.0	0.511	0.900	0.097	1.000	0.097
					Sum (F) =	0.097

Area averaged mean soil loss (F) (In/Hr) = 0.097
Minimum soil loss rate ((In/Hr)) = 0.049
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.100

Slope of intensity-duration curve for a 1 hour storm =0.5000

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	225.403	47.472	10.358
2 0.167	450.806	41.633	9.084
3 0.250	676.209	7.850	1.713
4 0.333	901.612	3.045	0.664
	Sum = 100.000	Sum=	21.819

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1 0.08	4.20	0.391	(0.097)	0.039	0.352
2 0.17	4.30	0.401	(0.097)	0.040	0.361
3 0.25	5.00	0.466	(0.097)	0.047	0.419
4 0.33	5.00	0.466	(0.097)	0.047	0.419
5 0.42	5.80	0.541	(0.097)	0.054	0.486
6 0.50	6.50	0.606	(0.097)	0.061	0.545
7 0.58	7.40	0.690	(0.097)	0.069	0.621
8 0.67	8.60	0.801	(0.097)	0.080	0.721
9 0.75	12.30	1.146	0.097	(0.115)	1.049
10 0.83	29.10	2.712	0.097	(0.271)	2.615
11 0.92	6.80	0.634	(0.097)	0.063	0.570
12 1.00	5.00	0.466	(0.097)	0.047	0.419
	(Loss Rate Not Used)				
Sum =	100.0			Sum =	8.6

Flood volume = Effective rainfall 0.71(In)
times area 21.6(Ac.)/[(In)/(Ft.)] = 1.3(Ac.Ft)
Total soil loss = 0.06(In)
Total soil loss = 0.111(Ac.Ft)
Total rainfall = 0.78(In)
Flood volume = 56187.2 Cubic Feet
Total soil loss = 4847.9 Cubic Feet

Peak flow rate of this hydrograph = 38.285(CFS)

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1 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 10.0 20.0 30.0 40.0
0+ 5	0.0251	3.65	V Q
0+10	0.0729	6.94	V Q
0+15	0.1296	8.23	V Q
0+20	0.1917	9.01	V Q
0+25	0.2592	9.81	VQ
0+30	0.3355	11.07	VQ
0+35	0.4215	12.50	QV
0+40	0.5205	14.37	Q V
0+45	0.6504	18.86	Q V
0+50	0.9141	38.28	V Q
0+55	1.1341	31.95	Q V
1+ 0	1.2354	14.71	Q V
1+ 5	1.2804	6.53	Q V
1+10	1.2880	1.10	Q V
1+15	1.2899	0.28	Q V

U n i t H y d r o g r a p h A n a l y s i s

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6400

 English (in-lb) Input Units Used
 English Rainfall Data (Inches) Input Values Used

 English Units used in output format

HARLEY KNOX INDUSTRIAL DEVELOPMENT
PROPOSED CONDITION
10-YEAR

Drainage Area = 21.65(Ac.) = 0.034 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.65(Ac.) = 0.034 Sq. Mi.
Length along longest watercourse = 725.00(Ft.)
Length along longest watercourse measured to centroid = 435.00(Ft.)
Length along longest watercourse = 0.137 Mi.
Length along longest watercourse measured to centroid = 0.082 Mi.
Difference in elevation = 2.80(Ft.)
Slope along watercourse = 20.3917 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.037 Hr.
Lag time = 2.22 Min.
25% of lag time = 0.55 Min.
40% of lag time = 0.89 Min.
Unit time = 5.00 Min.
Duration of storm = 3 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	0.80	17.32

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	1.90	41.13

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 0.800(In)
Area Averaged 100-Year Rainfall = 1.900(In)

Point rain (area averaged) = 1.253(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.252(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.650	56.00	0.900

 Total Area Entered = 21.65(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
56.0	56.0	0.511	0.900	0.097	1.000	0.097
					Sum (F) =	0.097

Area averaged mean soil loss (F) (In/Hr) = 0.097
Minimum soil loss rate ((In/Hr)) = 0.049
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.100

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	225.403	47.472	10.358
2	0.167	450.806	41.633	9.084
3	0.250	676.209	7.850	1.713
4	0.333	901.612	3.045	0.664
		Sum = 100.000	Sum=	21.819

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	1.30	0.195	(0.097)	0.020	0.176
2	0.17	1.30	0.195	(0.097)	0.020	0.176
3	0.25	1.10	0.165	(0.097)	0.017	0.149
4	0.33	1.50	0.225	(0.097)	0.023	0.203
5	0.42	1.50	0.225	(0.097)	0.023	0.203
6	0.50	1.80	0.271	(0.097)	0.027	0.243
7	0.58	1.50	0.225	(0.097)	0.023	0.203
8	0.67	1.80	0.271	(0.097)	0.027	0.243
9	0.75	1.80	0.271	(0.097)	0.027	0.243
10	0.83	1.50	0.225	(0.097)	0.023	0.203
11	0.92	1.60	0.240	(0.097)	0.024	0.216
12	1.00	1.80	0.271	(0.097)	0.027	0.243
13	1.08	2.20	0.331	(0.097)	0.033	0.298
14	1.17	2.20	0.331	(0.097)	0.033	0.298
15	1.25	2.20	0.331	(0.097)	0.033	0.298
16	1.33	2.00	0.301	(0.097)	0.030	0.271
17	1.42	2.60	0.391	(0.097)	0.039	0.352
18	1.50	2.70	0.406	(0.097)	0.041	0.365
19	1.58	2.40	0.361	(0.097)	0.036	0.325
20	1.67	2.70	0.406	(0.097)	0.041	0.365
21	1.75	3.30	0.496	(0.097)	0.050	0.446
22	1.83	3.10	0.466	(0.097)	0.047	0.419
23	1.92	2.90	0.436	(0.097)	0.044	0.392
24	2.00	3.00	0.451	(0.097)	0.045	0.406
25	2.08	3.10	0.466	(0.097)	0.047	0.419
26	2.17	4.20	0.631	(0.097)	0.063	0.568
27	2.25	5.00	0.751	(0.097)	0.075	0.676
28	2.33	3.50	0.526	(0.097)	0.053	0.473
29	2.42	6.80	1.022	0.097	(0.102)	0.925
30	2.50	7.30	1.097	0.097	(0.110)	1.000
31	2.58	8.20	1.232	0.097	(0.123)	1.135
32	2.67	5.90	0.887	(0.097)	0.089	0.798
33	2.75	2.00	0.301	(0.097)	0.030	0.271
34	2.83	1.80	0.271	(0.097)	0.027	0.243
35	2.92	1.80	0.271	(0.097)	0.027	0.243
36	3.00	0.60	0.090	(0.097)	0.009	0.081
		(Loss Rate Not Used)				
Sum =		100.0			Sum =	13.6

Flood volume = Effective rainfall 1.13(In)
times area 21.6(Ac.)/[(In)/(Ft.)] = 2.0(Ac.Ft)
Total soil loss = 0.12(In)
Total soil loss = 0.219(Ac.Ft)
Total rainfall = 1.25(In)
Flood volume = 88873.2 Cubic Feet
Total soil loss = 9554.7 Cubic Feet

Peak flow rate of this hydrograph = 22.755(CFS)

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3 - H O U R S T O R M

R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	7.5	15.0	22.5	30.0
0+ 5	0.0126	1.82	V Q				
0+10	0.0361	3.42	V Q				
0+15	0.0598	3.44	V Q				
0+20	0.0865	3.87	V Q				
0+25	0.1162	4.32	V Q				
0+30	0.1494	4.81	V Q				
0+35	0.1824	4.80	V Q				
0+40	0.2163	4.92	V Q				
0+45	0.2524	5.25	V Q				
0+50	0.2860	4.87	VQ				
0+55	0.3181	4.67	Q				
1+ 0	0.3525	5.00	Q				
1+ 5	0.3925	5.80	Q				
1+10	0.4362	6.35	Q				
1+15	0.4807	6.46	QV				
1+20	0.5235	6.22	Q V				
1+25	0.5704	6.81	Q V				
1+30	0.6231	7.64	Q V				
1+35	0.6745	7.47	Q V				
1+40	0.7268	7.59	Q V				
1+45	0.7870	8.74	Q V				
1+50	0.8507	9.24	Q V				
1+55	0.9119	8.88	Q V				
2+ 0	0.9724	8.79	Q V				
2+ 5	1.0342	8.98	Q V				
2+10	1.1076	10.65	Q V				
2+15	1.1983	13.16	Q V				
2+20	1.2830	12.31	Q V				
2+25	1.3892	15.42	Q V				
2+30	1.5272	20.03	Q V				
2+35	1.6839	22.76	Q V				
2+40	1.8280	20.92	Q V				
2+45	1.9152	12.67	Q V				
2+50	1.9641	7.10	Q V				
2+55	2.0036	5.73	Q V				
3+ 0	2.0287	3.65	Q V				
3+ 5	2.0378	1.32	Q V				
3+10	2.0399	0.30	Q V				
3+15	2.0402	0.05	Q V				

U n i t H y d r o g r a p h A n a l y s i s

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6400

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

HARLEY KNOX INDUSTRIAL DEVELOPMENT
PROPOSED CONDITION
10-YEAR

Drainage Area = 21.65(Ac.) = 0.034 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.65(Ac.) = 0.034 Sq. Mi.
Length along longest watercourse = 725.00(Ft.)
Length along longest watercourse measured to centroid = 435.00(Ft.)
Length along longest watercourse = 0.137 Mi.
Length along longest watercourse measured to centroid = 0.082 Mi.
Difference in elevation = 2.80(Ft.)
Slope along watercourse = 20.3917 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.037 Hr.
Lag time = 2.22 Min.
25% of lag time = 0.55 Min.
40% of lag time = 0.89 Min.
Unit time = 5.00 Min.
Duration of storm = 6 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	1.00	21.65

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	2.50	54.13

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.000(In)
Area Averaged 100-Year Rainfall = 2.500(In)

Point rain (area averaged) = 1.617(In)
Areal adjustment factor = 99.99 %
Adjusted average point rain = 1.617(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.650	56.00	0.900

Total Area Entered = 21.65(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
56.0	56.0	0.511	0.900	0.097	1.000	0.097
					Sum (F) =	0.097

Area averaged mean soil loss (F) (In/Hr) = 0.097
Minimum soil loss rate ((In/Hr)) = 0.049
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.100

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)	Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1 0.083	225.403	47.472	10.358
2 0.167	450.806	41.633	9.084
3 0.250	676.209	7.850	1.713
4 0.333	901.612	3.045	0.664
	Sum = 100.000	Sum=	21.819

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1 0.08	0.50	0.097	(0.097)	0.010	0.087
2 0.17	0.60	0.116	(0.097)	0.012	0.105
3 0.25	0.60	0.116	(0.097)	0.012	0.105
4 0.33	0.60	0.116	(0.097)	0.012	0.105
5 0.42	0.60	0.116	(0.097)	0.012	0.105
6 0.50	0.70	0.136	(0.097)	0.014	0.122
7 0.58	0.70	0.136	(0.097)	0.014	0.122
8 0.67	0.70	0.136	(0.097)	0.014	0.122
9 0.75	0.70	0.136	(0.097)	0.014	0.122
10 0.83	0.70	0.136	(0.097)	0.014	0.122
11 0.92	0.70	0.136	(0.097)	0.014	0.122
12 1.00	0.80	0.155	(0.097)	0.016	0.140
13 1.08	0.80	0.155	(0.097)	0.016	0.140
14 1.17	0.80	0.155	(0.097)	0.016	0.140
15 1.25	0.80	0.155	(0.097)	0.016	0.140
16 1.33	0.80	0.155	(0.097)	0.016	0.140
17 1.42	0.80	0.155	(0.097)	0.016	0.140
18 1.50	0.80	0.155	(0.097)	0.016	0.140
19 1.58	0.80	0.155	(0.097)	0.016	0.140
20 1.67	0.80	0.155	(0.097)	0.016	0.140
21 1.75	0.80	0.155	(0.097)	0.016	0.140
22 1.83	0.80	0.155	(0.097)	0.016	0.140
23 1.92	0.80	0.155	(0.097)	0.016	0.140
24 2.00	0.90	0.175	(0.097)	0.017	0.157
25 2.08	0.80	0.155	(0.097)	0.016	0.140
26 2.17	0.90	0.175	(0.097)	0.017	0.157
27 2.25	0.90	0.175	(0.097)	0.017	0.157
28 2.33	0.90	0.175	(0.097)	0.017	0.157
29 2.42	0.90	0.175	(0.097)	0.017	0.157
30 2.50	0.90	0.175	(0.097)	0.017	0.157
31 2.58	0.90	0.175	(0.097)	0.017	0.157
32 2.67	0.90	0.175	(0.097)	0.017	0.157
33 2.75	1.00	0.194	(0.097)	0.019	0.175
34 2.83	1.00	0.194	(0.097)	0.019	0.175
35 2.92	1.00	0.194	(0.097)	0.019	0.175
36 3.00	1.00	0.194	(0.097)	0.019	0.175
37 3.08	1.00	0.194	(0.097)	0.019	0.175
38 3.17	1.10	0.213	(0.097)	0.021	0.192
39 3.25	1.10	0.213	(0.097)	0.021	0.192
40 3.33	1.10	0.213	(0.097)	0.021	0.192
41 3.42	1.20	0.233	(0.097)	0.023	0.210
42 3.50	1.30	0.252	(0.097)	0.025	0.227
43 3.58	1.40	0.272	(0.097)	0.027	0.244
44 3.67	1.40	0.272	(0.097)	0.027	0.244
45 3.75	1.50	0.291	(0.097)	0.029	0.262
46 3.83	1.50	0.291	(0.097)	0.029	0.262
47 3.92	1.60	0.310	(0.097)	0.031	0.279
48 4.00	1.60	0.310	(0.097)	0.031	0.279
49 4.08	1.70	0.330	(0.097)	0.033	0.297
50 4.17	1.80	0.349	(0.097)	0.035	0.314

51	4.25	1.90	0.369	(	0.097)	0.037	0.332
52	4.33	2.00	0.388	(	0.097)	0.039	0.349
53	4.42	2.10	0.407	(	0.097)	0.041	0.367
54	4.50	2.10	0.407	(	0.097)	0.041	0.367
55	4.58	2.20	0.427	(	0.097)	0.043	0.384
56	4.67	2.30	0.446	(	0.097)	0.045	0.402
57	4.75	2.40	0.466	(	0.097)	0.047	0.419
58	4.83	2.40	0.466	(	0.097)	0.047	0.419
59	4.92	2.50	0.485	(	0.097)	0.049	0.437
60	5.00	2.60	0.505	(	0.097)	0.050	0.454
61	5.08	3.10	0.602	(	0.097)	0.060	0.541
62	5.17	3.60	0.699	(	0.097)	0.070	0.629
63	5.25	3.90	0.757	(	0.097)	0.076	0.681
64	5.33	4.20	0.815	(	0.097)	0.081	0.733
65	5.42	4.70	0.912	(	0.097)	0.091	0.821
66	5.50	5.60	1.087		0.097	(0.109)	0.990
67	5.58	1.90	0.369	(	0.097)	0.037	0.332
68	5.67	0.90	0.175	(	0.097)	0.017	0.157
69	5.75	0.60	0.116	(	0.097)	0.012	0.105
70	5.83	0.50	0.097	(	0.097)	0.010	0.087
71	5.92	0.30	0.058	(	0.097)	0.006	0.052
72	6.00	0.20	0.039	(	0.097)	0.004	0.035

(Loss Rate Not Used)

Sum = 100.0 Sum = 17.5

Flood volume = Effective rainfall 1.46(In)
times area 21.6(Ac.)/[(In)/(Ft.)] = 2.6(Ac.Ft)
Total soil loss = 0.16(In)
Total soil loss = 0.290(Ac.Ft)
Total rainfall = 1.62(In)
Flood volume = 114446.8 Cubic Feet
Total soil loss = 12631.8 Cubic Feet

Peak flow rate of this hydrograph = 19.425(CFS)

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6 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0 5.0 10.0 15.0 20.0
0+ 5	0.0062	0.90	VQ
0+10	0.0192	1.88	V Q
0+15	0.0342	2.19	V Q
0+20	0.0499	2.28	V Q
0+25	0.0657	2.29	V Q
0+30	0.0827	2.47	V Q
0+35	0.1008	2.63	V Q
0+40	0.1191	2.66	V Q
0+45	0.1374	2.67	V Q
0+50	0.1558	2.67	V Q
0+55	0.1742	2.67	V Q
1+ 0	0.1938	2.85	V Q
1+ 5	0.2145	3.01	V Q
1+10	0.2355	3.04	V Q
1+15	0.2565	3.05	V Q
1+20	0.2775	3.05	V Q
1+25	0.2985	3.05	V Q
1+30	0.3195	3.05	V Q
1+35	0.3405	3.05	VQ
1+40	0.3615	3.05	VQ
1+45	0.3825	3.05	VQ
1+50	0.4035	3.05	Q
1+55	0.4245	3.05	Q
2+ 0	0.4468	3.23	Q
2+ 5	0.4689	3.21	QV
2+10	0.4913	3.26	QV
2+15	0.5147	3.40	QV
2+20	0.5383	3.42	Q V
2+25	0.5619	3.43	Q V
2+30	0.5856	3.43	Q V
2+35	0.6092	3.43	Q V
2+40	0.6328	3.43	Q V
2+45	0.6577	3.61	Q V
2+50	0.6837	3.77	Q V

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    2+55       0.7098      3.80  |      Q  V         |         |         |
    3+ 0       0.7361      3.81  |      Q  |V        |         |         |
    3+ 5       0.7623      3.81  |      Q  |V        |         |         |
    3+10       0.7899      3.99  |      Q  | V       |         |         |
    3+15       0.8184      4.15  |       Q | V       |         |         |
    3+20       0.8472      4.18  |       Q | V       |         |         |
    3+25       0.8774      4.37  |       Q |  V      |         |         |
    3+30       0.9098      4.71  |        Q|  V      |         |         |
    3+35       0.9449      5.08  |         Q   V     |         |         |
    3+40       0.9812      5.28  |         Q   V     |         |         |
    3+45       1.0192      5.51  |         |Q   V    |         |         |
    3+50       1.0583      5.68  |         |Q    V   |         |         |
    3+55       1.0988      5.89  |         |Q    V   |         |         |
    4+ 0       1.1405      6.06  |         | Q    V  |         |         |
    4+ 5       1.1837      6.27  |         | Q     V |         |         |
    4+10       1.2293      6.62  |         |  Q    V |         |         |
    4+15       1.2775      6.99  |         |  Q     V|         |         |
    4+20       1.3282      7.37  |         |   Q     V         |         |
    4+25       1.3816      7.75  |         |    Q    |V        |         |
    4+30       1.4364      7.95  |         |    Q    |V        |         |
    4+35       1.4927      8.18  |         |     Q   | V       |         |
    4+40       1.5514      8.53  |         |      Q  |  V      |         |
    4+45       1.6127      8.90  |         |      Q  |   V     |         |
    4+50       1.6753      9.10  |         |       Q |    V    |         |
    4+55       1.7395      9.32  |         |       Q |     V   |         |
    5+ 0       1.8061      9.67  |         |        Q|      V  |         |
    5+ 5       1.8802     10.76  |         |         |Q      V |         |
    5+10       1.9664     12.50  |         |         |    Q   V|         |
    5+15       2.0628     14.00  |         |         |       Q |V        |
    5+20       2.1677     15.23  |         |         |         Q  V      |
    5+25       2.2831     16.76  |         |         |         |  QV     |
    5+30       2.4169     19.42  |         |         |         |    V Q  |
    5+35       2.5155     14.33  |         |         |       Q |       V |
    5+40       2.5629      6.89  |         |  Q      |         |        V|
    5+45       2.5887      3.74  |      Q  |         |         |        V|
    5+50       2.6049      2.35  |   Q     |         |         |        V|
    5+55       2.6160      1.62  |  Q      |         |         |        V|
    6+ 0       2.6233      1.06  | Q       |         |         |        V|
    6+ 5       2.6265      0.47  Q         |         |         |        V|
    6+10       2.6272      0.09  Q         |         |         |        V|
    6+15       2.6273      0.02  Q         |         |         |         V
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U n i t H y d r o g r a p h A n a l y s i s

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Study date 02/14/22 File: 4066PR102410.out

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Riverside County Synthetic Unit Hydrology Method
RCFC & WCD Manual date - April 1978

Program License Serial Number 6400

English (in-lb) Input Units Used
English Rainfall Data (Inches) Input Values Used

English Units used in output format

HARLEY KNOX INDUSTRIAL DEVELOPMENT
PROPOSED CONDITION
10-YEAR

Drainage Area = 21.65(Ac.) = 0.034 Sq. Mi.
Drainage Area for Depth-Area Areal Adjustment = 21.65(Ac.) = 0.034 Sq. Mi.
Length along longest watercourse = 725.00(Ft.)
Length along longest watercourse measured to centroid = 435.00(Ft.)
Length along longest watercourse = 0.137 Mi.
Length along longest watercourse measured to centroid = 0.082 Mi.
Difference in elevation = 2.80(Ft.)
Slope along watercourse = 20.3917 Ft./Mi.
Average Manning's 'N' = 0.015
Lag time = 0.037 Hr.
Lag time = 2.22 Min.
25% of lag time = 0.55 Min.
40% of lag time = 0.89 Min.
Unit time = 5.00 Min.
Duration of storm = 24 Hour(s)
User Entered Base Flow = 0.00(CFS)

2 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	1.60	34.64

100 YEAR Area rainfall data:

Area(Ac.)[1]	Rainfall(In)[2]	Weighting[1*2]
21.65	4.25	92.01

STORM EVENT (YEAR) = 10.00
Area Averaged 2-Year Rainfall = 1.600(In)
Area Averaged 100-Year Rainfall = 4.250(In)

Point rain (area averaged) = 2.690(In)
Areal adjustment factor = 100.00 %
Adjusted average point rain = 2.690(In)

Sub-Area Data:

Area(Ac.)	Runoff Index	Impervious %
21.650	56.00	0.900

Total Area Entered = 21.65(Ac.)

RI AMC2	RI AMC-2	Infil. Rate (In/Hr)	Impervious (Dec.%)	Adj. Infil. Rate (In/Hr)	Area% (Dec.)	F (In/Hr)
56.0	56.0	0.511	0.900	0.097	1.000	0.097
					Sum (F) =	0.097

Area averaged mean soil loss (F) (In/Hr) = 0.097
Minimum soil loss rate ((In/Hr)) = 0.049
(for 24 hour storm duration)
Soil low loss rate (decimal) = 0.100

U n i t H y d r o g r a p h
VALLEY S-Curve

Unit Hydrograph Data

Unit time period (hrs)		Time % of lag	Distribution Graph %	Unit Hydrograph (CFS)
1	0.083	225.403	47.472	10.358
2	0.167	450.806	41.633	9.084
3	0.250	676.209	7.850	1.713
4	0.333	901.612	3.045	0.664
		Sum = 100.000	Sum=	21.819

The following loss rate calculations reflect use of the minimum calculated loss rate subtracted from the Storm Rain to produce the maximum Effective Rain value

Unit Time (Hr.)	Pattern Percent	Storm Rain (In/Hr)	Loss rate(In./Hr) Max	Low	Effective (In/Hr)
1	0.08	0.07	0.022	(0.172)	0.002	0.019
2	0.17	0.07	0.022	(0.171)	0.002	0.019
3	0.25	0.07	0.022	(0.171)	0.002	0.019
4	0.33	0.10	0.032	(0.170)	0.003	0.029
5	0.42	0.10	0.032	(0.169)	0.003	0.029
6	0.50	0.10	0.032	(0.169)	0.003	0.029
7	0.58	0.10	0.032	(0.168)	0.003	0.029
8	0.67	0.10	0.032	(0.167)	0.003	0.029
9	0.75	0.10	0.032	(0.167)	0.003	0.029
10	0.83	0.13	0.043	(0.166)	0.004	0.039
11	0.92	0.13	0.043	(0.165)	0.004	0.039
12	1.00	0.13	0.043	(0.165)	0.004	0.039
13	1.08	0.10	0.032	(0.164)	0.003	0.029
14	1.17	0.10	0.032	(0.163)	0.003	0.029
15	1.25	0.10	0.032	(0.163)	0.003	0.029
16	1.33	0.10	0.032	(0.162)	0.003	0.029
17	1.42	0.10	0.032	(0.162)	0.003	0.029
18	1.50	0.10	0.032	(0.161)	0.003	0.029
19	1.58	0.10	0.032	(0.160)	0.003	0.029
20	1.67	0.10	0.032	(0.160)	0.003	0.029
21	1.75	0.10	0.032	(0.159)	0.003	0.029
22	1.83	0.13	0.043	(0.158)	0.004	0.039
23	1.92	0.13	0.043	(0.158)	0.004	0.039
24	2.00	0.13	0.043	(0.157)	0.004	0.039
25	2.08	0.13	0.043	(0.156)	0.004	0.039
26	2.17	0.13	0.043	(0.156)	0.004	0.039
27	2.25	0.13	0.043	(0.155)	0.004	0.039
28	2.33	0.13	0.043	(0.155)	0.004	0.039
29	2.42	0.13	0.043	(0.154)	0.004	0.039
30	2.50	0.13	0.043	(0.153)	0.004	0.039
31	2.58	0.17	0.054	(0.153)	0.005	0.048
32	2.67	0.17	0.054	(0.152)	0.005	0.048
33	2.75	0.17	0.054	(0.151)	0.005	0.048
34	2.83	0.17	0.054	(0.151)	0.005	0.048
35	2.92	0.17	0.054	(0.150)	0.005	0.048
36	3.00	0.17	0.054	(0.150)	0.005	0.048
37	3.08	0.17	0.054	(0.149)	0.005	0.048
38	3.17	0.17	0.054	(0.148)	0.005	0.048
39	3.25	0.17	0.054	(0.148)	0.005	0.048
40	3.33	0.17	0.054	(0.147)	0.005	0.048
41	3.42	0.17	0.054	(0.146)	0.005	0.048
42	3.50	0.17	0.054	(0.146)	0.005	0.048
43	3.58	0.17	0.054	(0.145)	0.005	0.048
44	3.67	0.17	0.054	(0.145)	0.005	0.048
45	3.75	0.17	0.054	(0.144)	0.005	0.048
46	3.83	0.20	0.065	(0.143)	0.006	0.058
47	3.92	0.20	0.065	(0.143)	0.006	0.058
48	4.00	0.20	0.065	(0.142)	0.006	0.058
49	4.08	0.20	0.065	(0.142)	0.006	0.058
50	4.17	0.20	0.065	(0.141)	0.006	0.058

51	4.25	0.20	0.065	(0.140)	0.006	0.058
52	4.33	0.23	0.075	(0.140)	0.008	0.068
53	4.42	0.23	0.075	(0.139)	0.008	0.068
54	4.50	0.23	0.075	(0.139)	0.008	0.068
55	4.58	0.23	0.075	(0.138)	0.008	0.068
56	4.67	0.23	0.075	(0.137)	0.008	0.068
57	4.75	0.23	0.075	(0.137)	0.008	0.068
58	4.83	0.27	0.086	(0.136)	0.009	0.077
59	4.92	0.27	0.086	(0.136)	0.009	0.077
60	5.00	0.27	0.086	(0.135)	0.009	0.077
61	5.08	0.20	0.065	(0.134)	0.006	0.058
62	5.17	0.20	0.065	(0.134)	0.006	0.058
63	5.25	0.20	0.065	(0.133)	0.006	0.058
64	5.33	0.23	0.075	(0.133)	0.008	0.068
65	5.42	0.23	0.075	(0.132)	0.008	0.068
66	5.50	0.23	0.075	(0.132)	0.008	0.068
67	5.58	0.27	0.086	(0.131)	0.009	0.077
68	5.67	0.27	0.086	(0.130)	0.009	0.077
69	5.75	0.27	0.086	(0.130)	0.009	0.077
70	5.83	0.27	0.086	(0.129)	0.009	0.077
71	5.92	0.27	0.086	(0.129)	0.009	0.077
72	6.00	0.27	0.086	(0.128)	0.009	0.077
73	6.08	0.30	0.097	(0.128)	0.010	0.087
74	6.17	0.30	0.097	(0.127)	0.010	0.087
75	6.25	0.30	0.097	(0.126)	0.010	0.087
76	6.33	0.30	0.097	(0.126)	0.010	0.087
77	6.42	0.30	0.097	(0.125)	0.010	0.087
78	6.50	0.30	0.097	(0.125)	0.010	0.087
79	6.58	0.33	0.108	(0.124)	0.011	0.097
80	6.67	0.33	0.108	(0.124)	0.011	0.097
81	6.75	0.33	0.108	(0.123)	0.011	0.097
82	6.83	0.33	0.108	(0.122)	0.011	0.097
83	6.92	0.33	0.108	(0.122)	0.011	0.097
84	7.00	0.33	0.108	(0.121)	0.011	0.097
85	7.08	0.33	0.108	(0.121)	0.011	0.097
86	7.17	0.33	0.108	(0.120)	0.011	0.097
87	7.25	0.33	0.108	(0.120)	0.011	0.097
88	7.33	0.37	0.118	(0.119)	0.012	0.107
89	7.42	0.37	0.118	(0.119)	0.012	0.107
90	7.50	0.37	0.118	(0.118)	0.012	0.107
91	7.58	0.40	0.129	(0.118)	0.013	0.116
92	7.67	0.40	0.129	(0.117)	0.013	0.116
93	7.75	0.40	0.129	(0.116)	0.013	0.116
94	7.83	0.43	0.140	(0.116)	0.014	0.126
95	7.92	0.43	0.140	(0.115)	0.014	0.126
96	8.00	0.43	0.140	(0.115)	0.014	0.126
97	8.08	0.50	0.161	(0.114)	0.016	0.145
98	8.17	0.50	0.161	(0.114)	0.016	0.145
99	8.25	0.50	0.161	(0.113)	0.016	0.145
100	8.33	0.50	0.161	(0.113)	0.016	0.145
101	8.42	0.50	0.161	(0.112)	0.016	0.145
102	8.50	0.50	0.161	(0.112)	0.016	0.145
103	8.58	0.53	0.172	(0.111)	0.017	0.155
104	8.67	0.53	0.172	(0.111)	0.017	0.155
105	8.75	0.53	0.172	(0.110)	0.017	0.155
106	8.83	0.57	0.183	(0.110)	0.018	0.165
107	8.92	0.57	0.183	(0.109)	0.018	0.165
108	9.00	0.57	0.183	(0.109)	0.018	0.165
109	9.08	0.63	0.204	(0.108)	0.020	0.184
110	9.17	0.63	0.204	(0.108)	0.020	0.184
111	9.25	0.63	0.204	(0.107)	0.020	0.184
112	9.33	0.67	0.215	(0.107)	0.022	0.194
113	9.42	0.67	0.215	(0.106)	0.022	0.194
114	9.50	0.67	0.215	(0.105)	0.022	0.194
115	9.58	0.70	0.226	(0.105)	0.023	0.203
116	9.67	0.70	0.226	(0.104)	0.023	0.203
117	9.75	0.70	0.226	(0.104)	0.023	0.203
118	9.83	0.73	0.237	(0.103)	0.024	0.213
119	9.92	0.73	0.237	(0.103)	0.024	0.213
120	10.00	0.73	0.237	(0.102)	0.024	0.213
121	10.08	0.50	0.161	(0.102)	0.016	0.145
122	10.17	0.50	0.161	(0.101)	0.016	0.145
123	10.25	0.50	0.161	(0.101)	0.016	0.145
124	10.33	0.50	0.161	(0.101)	0.016	0.145
125	10.42	0.50	0.161	(0.100)	0.016	0.145
126	10.50	0.50	0.161	(0.100)	0.016	0.145
127	10.58	0.67	0.215	(0.099)	0.022	0.194

128	10.67	0.67	0.215	(0.099)	0.022	0.194
129	10.75	0.67	0.215	(0.098)	0.022	0.194
130	10.83	0.67	0.215	(0.098)	0.022	0.194
131	10.92	0.67	0.215	(0.097)	0.022	0.194
132	11.00	0.67	0.215	(0.097)	0.022	0.194
133	11.08	0.63	0.204	(0.096)	0.020	0.184
134	11.17	0.63	0.204	(0.096)	0.020	0.184
135	11.25	0.63	0.204	(0.095)	0.020	0.184
136	11.33	0.63	0.204	(0.095)	0.020	0.184
137	11.42	0.63	0.204	(0.094)	0.020	0.184
138	11.50	0.63	0.204	(0.094)	0.020	0.184
139	11.58	0.57	0.183	(0.093)	0.018	0.165
140	11.67	0.57	0.183	(0.093)	0.018	0.165
141	11.75	0.57	0.183	(0.092)	0.018	0.165
142	11.83	0.60	0.194	(0.092)	0.019	0.174
143	11.92	0.60	0.194	(0.092)	0.019	0.174
144	12.00	0.60	0.194	(0.091)	0.019	0.174
145	12.08	0.83	0.269	(0.091)	0.027	0.242
146	12.17	0.83	0.269	(0.090)	0.027	0.242
147	12.25	0.83	0.269	(0.090)	0.027	0.242
148	12.33	0.87	0.280	(0.089)	0.028	0.252
149	12.42	0.87	0.280	(0.089)	0.028	0.252
150	12.50	0.87	0.280	(0.088)	0.028	0.252
151	12.58	0.93	0.301	(0.088)	0.030	0.271
152	12.67	0.93	0.301	(0.087)	0.030	0.271
153	12.75	0.93	0.301	(0.087)	0.030	0.271
154	12.83	0.97	0.312	(0.087)	0.031	0.281
155	12.92	0.97	0.312	(0.086)	0.031	0.281
156	13.00	0.97	0.312	(0.086)	0.031	0.281
157	13.08	1.13	0.366	(0.085)	0.037	0.329
158	13.17	1.13	0.366	(0.085)	0.037	0.329
159	13.25	1.13	0.366	(0.084)	0.037	0.329
160	13.33	1.13	0.366	(0.084)	0.037	0.329
161	13.42	1.13	0.366	(0.084)	0.037	0.329
162	13.50	1.13	0.366	(0.083)	0.037	0.329
163	13.58	0.77	0.247	(0.083)	0.025	0.223
164	13.67	0.77	0.247	(0.082)	0.025	0.223
165	13.75	0.77	0.247	(0.082)	0.025	0.223
166	13.83	0.77	0.247	(0.081)	0.025	0.223
167	13.92	0.77	0.247	(0.081)	0.025	0.223
168	14.00	0.77	0.247	(0.081)	0.025	0.223
169	14.08	0.90	0.291	(0.080)	0.029	0.261
170	14.17	0.90	0.291	(0.080)	0.029	0.261
171	14.25	0.90	0.291	(0.079)	0.029	0.261
172	14.33	0.87	0.280	(0.079)	0.028	0.252
173	14.42	0.87	0.280	(0.079)	0.028	0.252
174	14.50	0.87	0.280	(0.078)	0.028	0.252
175	14.58	0.87	0.280	(0.078)	0.028	0.252
176	14.67	0.87	0.280	(0.077)	0.028	0.252
177	14.75	0.87	0.280	(0.077)	0.028	0.252
178	14.83	0.83	0.269	(0.077)	0.027	0.242
179	14.92	0.83	0.269	(0.076)	0.027	0.242
180	15.00	0.83	0.269	(0.076)	0.027	0.242
181	15.08	0.80	0.258	(0.075)	0.026	0.232
182	15.17	0.80	0.258	(0.075)	0.026	0.232
183	15.25	0.80	0.258	(0.075)	0.026	0.232
184	15.33	0.77	0.247	(0.074)	0.025	0.223
185	15.42	0.77	0.247	(0.074)	0.025	0.223
186	15.50	0.77	0.247	(0.073)	0.025	0.223
187	15.58	0.63	0.204	(0.073)	0.020	0.184
188	15.67	0.63	0.204	(0.073)	0.020	0.184
189	15.75	0.63	0.204	(0.072)	0.020	0.184
190	15.83	0.63	0.204	(0.072)	0.020	0.184
191	15.92	0.63	0.204	(0.072)	0.020	0.184
192	16.00	0.63	0.204	(0.071)	0.020	0.184
193	16.08	0.13	0.043	(0.071)	0.004	0.039
194	16.17	0.13	0.043	(0.071)	0.004	0.039
195	16.25	0.13	0.043	(0.070)	0.004	0.039
196	16.33	0.13	0.043	(0.070)	0.004	0.039
197	16.42	0.13	0.043	(0.069)	0.004	0.039
198	16.50	0.13	0.043	(0.069)	0.004	0.039
199	16.58	0.10	0.032	(0.069)	0.003	0.029
200	16.67	0.10	0.032	(0.068)	0.003	0.029
201	16.75	0.10	0.032	(0.068)	0.003	0.029
202	16.83	0.10	0.032	(0.068)	0.003	0.029
203	16.92	0.10	0.032	(0.067)	0.003	0.029
204	17.00	0.10	0.032	(0.067)	0.003	0.029

205	17.08	0.17	0.054	(0.067)	0.005	0.048
206	17.17	0.17	0.054	(0.066)	0.005	0.048
207	17.25	0.17	0.054	(0.066)	0.005	0.048
208	17.33	0.17	0.054	(0.066)	0.005	0.048
209	17.42	0.17	0.054	(0.065)	0.005	0.048
210	17.50	0.17	0.054	(0.065)	0.005	0.048
211	17.58	0.17	0.054	(0.065)	0.005	0.048
212	17.67	0.17	0.054	(0.064)	0.005	0.048
213	17.75	0.17	0.054	(0.064)	0.005	0.048
214	17.83	0.13	0.043	(0.064)	0.004	0.039
215	17.92	0.13	0.043	(0.063)	0.004	0.039
216	18.00	0.13	0.043	(0.063)	0.004	0.039
217	18.08	0.13	0.043	(0.063)	0.004	0.039
218	18.17	0.13	0.043	(0.063)	0.004	0.039
219	18.25	0.13	0.043	(0.062)	0.004	0.039
220	18.33	0.13	0.043	(0.062)	0.004	0.039
221	18.42	0.13	0.043	(0.062)	0.004	0.039
222	18.50	0.13	0.043	(0.061)	0.004	0.039
223	18.58	0.10	0.032	(0.061)	0.003	0.029
224	18.67	0.10	0.032	(0.061)	0.003	0.029
225	18.75	0.10	0.032	(0.060)	0.003	0.029
226	18.83	0.07	0.022	(0.060)	0.002	0.019
227	18.92	0.07	0.022	(0.060)	0.002	0.019
228	19.00	0.07	0.022	(0.060)	0.002	0.019
229	19.08	0.10	0.032	(0.059)	0.003	0.029
230	19.17	0.10	0.032	(0.059)	0.003	0.029
231	19.25	0.10	0.032	(0.059)	0.003	0.029
232	19.33	0.13	0.043	(0.058)	0.004	0.039
233	19.42	0.13	0.043	(0.058)	0.004	0.039
234	19.50	0.13	0.043	(0.058)	0.004	0.039
235	19.58	0.10	0.032	(0.058)	0.003	0.029
236	19.67	0.10	0.032	(0.057)	0.003	0.029
237	19.75	0.10	0.032	(0.057)	0.003	0.029
238	19.83	0.07	0.022	(0.057)	0.002	0.019
239	19.92	0.07	0.022	(0.057)	0.002	0.019
240	20.00	0.07	0.022	(0.056)	0.002	0.019
241	20.08	0.10	0.032	(0.056)	0.003	0.029
242	20.17	0.10	0.032	(0.056)	0.003	0.029
243	20.25	0.10	0.032	(0.056)	0.003	0.029
244	20.33	0.10	0.032	(0.055)	0.003	0.029
245	20.42	0.10	0.032	(0.055)	0.003	0.029
246	20.50	0.10	0.032	(0.055)	0.003	0.029
247	20.58	0.10	0.032	(0.055)	0.003	0.029
248	20.67	0.10	0.032	(0.054)	0.003	0.029
249	20.75	0.10	0.032	(0.054)	0.003	0.029
250	20.83	0.07	0.022	(0.054)	0.002	0.019
251	20.92	0.07	0.022	(0.054)	0.002	0.019
252	21.00	0.07	0.022	(0.054)	0.002	0.019
253	21.08	0.10	0.032	(0.053)	0.003	0.029
254	21.17	0.10	0.032	(0.053)	0.003	0.029
255	21.25	0.10	0.032	(0.053)	0.003	0.029
256	21.33	0.07	0.022	(0.053)	0.002	0.019
257	21.42	0.07	0.022	(0.053)	0.002	0.019
258	21.50	0.07	0.022	(0.052)	0.002	0.019
259	21.58	0.10	0.032	(0.052)	0.003	0.029
260	21.67	0.10	0.032	(0.052)	0.003	0.029
261	21.75	0.10	0.032	(0.052)	0.003	0.029
262	21.83	0.07	0.022	(0.052)	0.002	0.019
263	21.92	0.07	0.022	(0.051)	0.002	0.019
264	22.00	0.07	0.022	(0.051)	0.002	0.019
265	22.08	0.10	0.032	(0.051)	0.003	0.029
266	22.17	0.10	0.032	(0.051)	0.003	0.029
267	22.25	0.10	0.032	(0.051)	0.003	0.029
268	22.33	0.07	0.022	(0.051)	0.002	0.019
269	22.42	0.07	0.022	(0.050)	0.002	0.019
270	22.50	0.07	0.022	(0.050)	0.002	0.019
271	22.58	0.07	0.022	(0.050)	0.002	0.019
272	22.67	0.07	0.022	(0.050)	0.002	0.019
273	22.75	0.07	0.022	(0.050)	0.002	0.019
274	22.83	0.07	0.022	(0.050)	0.002	0.019
275	22.92	0.07	0.022	(0.050)	0.002	0.019
276	23.00	0.07	0.022	(0.049)	0.002	0.019
277	23.08	0.07	0.022	(0.049)	0.002	0.019
278	23.17	0.07	0.022	(0.049)	0.002	0.019
279	23.25	0.07	0.022	(0.049)	0.002	0.019
280	23.33	0.07	0.022	(0.049)	0.002	0.019
281	23.42	0.07	0.022	(0.049)	0.002	0.019

282	23.50	0.07	0.022	(0.049)	0.002	0.019	
283	23.58	0.07	0.022	(0.049)	0.002	0.019	
284	23.67	0.07	0.022	(0.049)	0.002	0.019	
285	23.75	0.07	0.022	(0.049)	0.002	0.019	
286	23.83	0.07	0.022	(0.049)	0.002	0.019	
287	23.92	0.07	0.022	(0.049)	0.002	0.019	
288	24.00	0.07	0.022	(0.049)	0.002	0.019	

(Loss Rate Not Used)

Sum = 100.0 Sum = 29.1

Flood volume = Effective rainfall 2.42(In)
times area 21.6(Ac.)/[(In)/(Ft.)] = 4.4(Ac.Ft)
Total soil loss = 0.27(In)
Total soil loss = 0.485(Ac.Ft)
Total rainfall = 2.69(In)
Flood volume = 190273.5 Cubic Feet
Total soil loss = 21141.5 Cubic Feet

Peak flow rate of this hydrograph = 7.188(CFS)

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24 - H O U R S T O R M
R u n o f f H y d r o g r a p h

Hydrograph in 5 Minute intervals ((CFS))

Time(h+m)	Volume Ac.Ft	Q(CFS)	0	2.5	5.0	7.5	10.0
0+ 5	0.0014	0.20	Q				
0+10	0.0040	0.38	VQ				
0+15	0.0068	0.41	VQ				
0+20	0.0104	0.52	V Q				
0+25	0.0146	0.61	V Q				
0+30	0.0189	0.63	V Q				
0+35	0.0233	0.63	V Q				
0+40	0.0277	0.63	V Q				
0+45	0.0320	0.63	V Q				
0+50	0.0371	0.73	V Q				
0+55	0.0428	0.82	V Q				
1+ 0	0.0485	0.84	V Q				
1+ 5	0.0537	0.75	V Q				
1+10	0.0582	0.66	V Q				
1+15	0.0626	0.64	V Q				
1+20	0.0670	0.63	V Q				
1+25	0.0714	0.63	V Q				
1+30	0.0757	0.63	V Q				
1+35	0.0801	0.63	V Q				
1+40	0.0845	0.63	V Q				
1+45	0.0888	0.63	V Q				
1+50	0.0939	0.73	V Q				
1+55	0.0996	0.82	V Q				
2+ 0	0.1053	0.84	V Q				
2+ 5	0.1112	0.85	|V Q				
2+10	0.1170	0.85	|V Q				
2+15	0.1228	0.85	|V Q				
2+20	0.1286	0.85	|V Q				
2+25	0.1345	0.85	|V Q				
2+30	0.1403	0.85	|V Q				
2+35	0.1468	0.95	|V Q				
2+40	0.1539	1.03	|V Q				
2+45	0.1611	1.05	|V Q				
2+50	0.1684	1.06	|V Q				
2+55	0.1757	1.06	|V Q				
3+ 0	0.1830	1.06	|V Q				
3+ 5	0.1903	1.06	|V Q				
3+10	0.1975	1.06	|V Q				
3+15	0.2048	1.06	|V Q				
3+20	0.2121	1.06	|V Q				
3+25	0.2194	1.06	| V Q				
3+30	0.2267	1.06	| V Q				
3+35	0.2339	1.06	| V Q				
3+40	0.2412	1.06	| V Q				
3+45	0.2485	1.06	| V Q				
3+50	0.2565	1.16	| V Q				
3+55	0.2651	1.25	| V Q				
4+ 0	0.2738	1.26	| V Q				
4+ 5	0.2825	1.27	| V Q				

4+10	0.2912	1.27	V Q			
4+15	0.3000	1.27	V Q			
4+20	0.3094	1.37	V Q			
4+25	0.3194	1.46	V Q			
4+30	0.3296	1.47	V Q			
4+35	0.3398	1.48	V Q			
4+40	0.3500	1.48	V Q			
4+45	0.3601	1.48	V Q			
4+50	0.3710	1.58	V Q			
4+55	0.3825	1.67	V Q			
5+ 0	0.3941	1.68	V Q			
5+ 5	0.4044	1.49	V Q			
5+10	0.4134	1.31	V Q			
5+15	0.4223	1.28	V Q			
5+20	0.4317	1.37	V Q			
5+25	0.4417	1.46	VQ			
5+30	0.4519	1.47	VQ			
5+35	0.4628	1.58	V Q			
5+40	0.4742	1.67	V Q			
5+45	0.4859	1.68	V Q			
5+50	0.4975	1.69	V Q			
5+55	0.5091	1.69	V Q			
6+ 0	0.5208	1.69	V Q			
6+ 5	0.5331	1.79	V Q			
6+10	0.5461	1.88	V Q			
6+15	0.5591	1.90	V Q			
6+20	0.5722	1.90	V Q			
6+25	0.5853	1.90	V Q			
6+30	0.5985	1.90	V Q			
6+35	0.6122	2.00	V Q			
6+40	0.6267	2.09	V Q			
6+45	0.6412	2.11	V Q			
6+50	0.6557	2.11	V Q			
6+55	0.6703	2.11	V Q			
7+ 0	0.6848	2.11	V Q			
7+ 5	0.6994	2.11	V Q			
7+10	0.7140	2.11	V Q			
7+15	0.7285	2.11	V Q			
7+20	0.7438	2.21	V Q			
7+25	0.7596	2.30	V Q			
7+30	0.7756	2.32	V Q			
7+35	0.7923	2.43	V Q			
7+40	0.8096	2.51	V Q			
7+45	0.8271	2.53	V Q			
7+50	0.8452	2.64	V Q			
7+55	0.8640	2.73	V Q			
8+ 0	0.8829	2.74	V Q			
8+ 5	0.9032	2.95	V Q			
8+10	0.9247	3.13	V Q			
8+15	0.9465	3.16	V Q			
8+20	0.9683	3.17	V Q			
8+25	0.9901	3.17	V Q			
8+30	1.0120	3.17	V Q			
8+35	1.0345	3.27	V Q			
8+40	1.0577	3.36	V Q			
8+45	1.0809	3.38	V Q			
8+50	1.1049	3.48	V Q			
8+55	1.1295	3.57	V Q			
9+ 0	1.1542	3.59	V Q			
9+ 5	1.1803	3.79	V Q			
9+10	1.2077	3.97	V Q			
9+15	1.2353	4.00	V Q			
9+20	1.2636	4.12	V Q			
9+25	1.2926	4.21	V Q			
9+30	1.3216	4.22	V Q			
9+35	1.3515	4.33	V Q			
9+40	1.3819	4.42	V Q			
9+45	1.4124	4.43	V Q			
9+50	1.4437	4.54	V Q			
9+55	1.4755	4.63	V Q			
10+ 0	1.5075	4.64	V Q			
10+ 5	1.5347	3.95	VQ			
10+10	1.5577	3.33	QV			
10+15	1.5798	3.22	Q V			
10+20	1.6017	3.17	Q V			
10+25	1.6235	3.17	Q V			
10+30	1.6454	3.17	Q V			

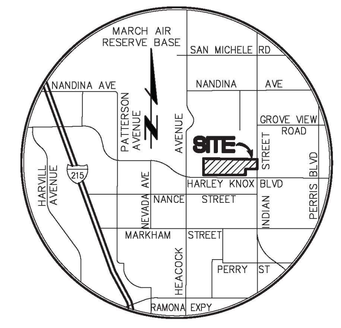
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10+35       1.6706      3.67  |          |   QV     |          |          |
10+40       1.6990      4.11  |          |    VQ    |          |          |
10+45       1.7279      4.20  |          |    VQ    |          |          |
10+50       1.7570      4.23  |          |     Q    |          |          |
10+55       1.7861      4.23  |          |     Q    |          |          |
11+ 0       1.8152      4.23  |          |     Q    |          |          |
11+ 5       1.8437      4.13  |          |     Q    |          |          |
11+10       1.8715      4.04  |          |     QV   |          |          |
11+15       1.8992      4.02  |          |     QV   |          |          |
11+20       1.9269      4.02  |          |     QV   |          |          |
11+25       1.9545      4.02  |          |     QV   |          |          |
11+30       1.9822      4.02  |          |     Q V  |          |          |
11+35       2.0085      3.82  |          |    Q  V  |          |          |
11+40       2.0335      3.64  |          |   Q   V  |          |          |
11+45       2.0584      3.61  |          |   Q   V  |          |          |
11+50       2.0838      3.69  |          |   Q    V |          |          |
11+55       2.1099      3.78  |          |    Q   V |          |          |
12+ 0       2.1360      3.80  |          |    Q   V |          |          |
12+ 5       2.1671      4.51  |          |       QV |          |          |
12+10       2.2024      5.12  |          |         Q          |          |
12+15       2.2385      5.24  |          |         Q          |          |
12+20       2.2756      5.39  |          |         VQ         |          |
12+25       2.3133      5.47  |          |          Q         |          |
12+30       2.3511      5.49  |          |          Q         |          |
12+35       2.3903      5.70  |          |          VQ        |          |
12+40       2.4308      5.87  |          |           VQ       |          |
12+45       2.4714      5.91  |          |           VQ       |          |
12+50       2.5129      6.02  |          |           VQ       |          |
12+55       2.5550      6.11  |          |           VQ       |          |
13+ 0       2.5971      6.12  |          |           VQ       |          |
13+ 5       2.6428      6.63  |          |            V Q     |          |
13+10       2.6915      7.07  |          |            V   Q   |          |
13+15       2.7408      7.16  |          |             V  Q   |          |
13+20       2.7903      7.19  |          |             V  Q   |          |
13+25       2.8398      7.19  |          |              V Q   |          |
13+30       2.8893      7.19  |          |              V Q   |          |
13+35       2.9312      6.08  |          |            Q V     |          |
13+40       2.9665      5.12  |          |          Q      V  |          |
13+45       3.0005      4.93  |          |         Q|      V  |          |
13+50       3.0339      4.86  |          |         Q|      V  |          |
13+55       3.0674      4.86  |          |         Q|       V |          |
14+ 0       3.1009      4.86  |          |         Q|       V |          |
14+ 5       3.1372      5.26  |          |          |Q      V |          |
14+10       3.1758      5.62  |          |          | Q      V|          |
14+15       3.2150      5.68  |          |          | Q      V|          |
14+20       3.2536      5.61  |          |          | Q      V|          |
14+25       3.2916      5.52  |          |          | Q       V          |
14+30       3.3295      5.50  |          |          | Q       V          |
14+35       3.3674      5.50  |          |          |Q        V          |
14+40       3.4052      5.50  |          |          |Q        |V         |
14+45       3.4431      5.50  |          |          |Q        |V         |
14+50       3.4803      5.40  |          |          |Q        |V         |
14+55       3.5168      5.31  |          |          |Q        | V        |
15+ 0       3.5533      5.29  |          |          |Q        | V        |
15+ 5       3.5890      5.19  |          |          Q         | V        |
15+10       3.6241      5.10  |          |          Q         |  V       |
15+15       3.6591      5.08  |          |          Q         |  V       |
15+20       3.6933      4.97  |          |         Q|         |  V       |
15+25       3.7270      4.89  |          |         Q|         |   V      |
15+30       3.7605      4.87  |          |         Q|         |   V      |
15+35       3.7912      4.46  |          |       Q  |         |   V      |
15+40       3.8195      4.11  |          |      Q   |         |   V      |
15+45       3.8474      4.04  |          |      Q   |         |    V     |
15+50       3.8750      4.02  |          |      Q   |         |    V     |
15+55       3.9027      4.02  |          |      Q   |         |    V     |
16+ 0       3.9304      4.02  |          |      Q   |         |    V     |
16+ 5       3.9477      2.51  |          |Q         |         |     V    |
16+10       3.9559      1.19  |    Q     |          |         |     V    |
16+15       3.9623      0.94  |  Q       |          |         |     V    |
16+20       3.9682      0.85  |  Q       |          |         |     V    |
16+25       3.9740      0.85  |  Q       |          |         |     V    |
16+30       3.9798      0.85  |  Q       |          |         |     V    |
16+35       3.9849      0.75  | Q        |          |         |     V    |
16+40       3.9895      0.66  | Q        |          |         |     V    |
16+45       3.9939      0.64  | Q        |          |         |     V    |
16+50       3.9983      0.63  | Q        |          |         |     V    |
16+55       4.0026      0.63  | Q        |          |         |     V    |
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17+ 0	4.0070	0.63	Q			V	
17+ 5	4.0127	0.83	Q			V	
17+10	4.0197	1.01	Q			V	
17+15	4.0269	1.04	Q			V	
17+20	4.0342	1.06	Q			V	
17+25	4.0415	1.06	Q			V	
17+30	4.0487	1.06	Q			V	
17+35	4.0560	1.06	Q			V	
17+40	4.0633	1.06	Q			V	
17+45	4.0706	1.06	Q			V	
17+50	4.0772	0.96	Q			V	
17+55	4.0832	0.87	Q			V	
18+ 0	4.0890	0.85	Q			V	
18+ 5	4.0948	0.85	Q			V	
18+10	4.1007	0.85	Q			V	
18+15	4.1065	0.85	Q			V	
18+20	4.1123	0.85	Q			V	
18+25	4.1181	0.85	Q			V	
18+30	4.1240	0.85	Q			V	
18+35	4.1291	0.75	Q			V	
18+40	4.1336	0.66	Q			V	
18+45	4.1380	0.64	Q			V	
18+50	4.1417	0.53	Q			V	
18+55	4.1448	0.45	Q			V	
19+ 0	4.1477	0.43	Q			V	
19+ 5	4.1513	0.52	Q			V	
19+10	4.1556	0.61	Q			V	
19+15	4.1599	0.63	Q			V	
19+20	4.1649	0.73	Q			V	
19+25	4.1706	0.82	Q			V	
19+30	4.1764	0.84	Q			V	
19+35	4.1815	0.75	Q			V	
19+40	4.1860	0.66	Q			V	
19+45	4.1905	0.64	Q			V	
19+50	4.1941	0.53	Q			V	
19+55	4.1972	0.45	Q			V	
20+ 0	4.2002	0.43	Q			V	
20+ 5	4.2038	0.52	Q			V	
20+10	4.2080	0.61	Q			V	
20+15	4.2123	0.63	Q			V	
20+20	4.2167	0.63	Q			V	
20+25	4.2210	0.63	Q			V	
20+30	4.2254	0.63	Q			V	
20+35	4.2298	0.63	Q			V	
20+40	4.2341	0.63	Q			V	
20+45	4.2385	0.63	Q			V	
20+50	4.2422	0.53	Q			V	
20+55	4.2452	0.45	Q			V	
21+ 0	4.2482	0.43	Q			V	
21+ 5	4.2518	0.52	Q			V	
21+10	4.2560	0.61	Q			V	
21+15	4.2603	0.63	Q			V	
21+20	4.2640	0.53	Q			V	
21+25	4.2671	0.45	Q			V	
21+30	4.2700	0.43	Q			V	
21+35	4.2736	0.52	Q			V	
21+40	4.2779	0.61	Q			V	
21+45	4.2822	0.63	Q			V	
21+50	4.2859	0.53	Q			V	
21+55	4.2889	0.45	Q			V	
22+ 0	4.2919	0.43	Q			V	
22+ 5	4.2955	0.52	Q			V	
22+10	4.2997	0.61	Q			V	
22+15	4.3040	0.63	Q			V	
22+20	4.3077	0.53	Q			V	
22+25	4.3108	0.45	Q			V	
22+30	4.3137	0.43	Q			V	
22+35	4.3166	0.42	Q			V	
22+40	4.3196	0.42	Q			V	
22+45	4.3225	0.42	Q			V	
22+50	4.3254	0.42	Q			V	
22+55	4.3283	0.42	Q			V	
23+ 0	4.3312	0.42	Q			V	
23+ 5	4.3341	0.42	Q			V	
23+10	4.3370	0.42	Q			V	
23+15	4.3399	0.42	Q			V	
23+20	4.3428	0.42	Q			V	

```
   23+25       4.3458      0.42  |Q        |         |         |        V|
   23+30       4.3487      0.42  |Q        |         |         |        V|
   23+35       4.3516      0.42  |Q        |         |         |        V|
   23+40       4.3545      0.42  |Q        |         |         |        V|
   23+45       4.3574      0.42  |Q        |         |         |        V|
   23+50       4.3603      0.42  |Q        |         |         |        V|
   23+55       4.3632      0.42  |Q        |         |         |        V|
   24+ 0       4.3661      0.42  |Q        |         |         |        V|
   24+ 5       4.3677      0.22  Q         |         |         |        V|
   24+10       4.3680      0.05  Q         |         |         |        V|
   24+15       4.3681      0.01  Q         |         |         |        V|
-------------------------------------------------------------------------
```

APPENDIX D

HYDROLOGY MAP



VICINITY MAP
N.T.S.

RIVERSIDE COUNTY FLOOD CONTROL

HARLEY KNOX BOULEVARD

INDIAN AVENUE

Kristin Freeman

1469.00 NG (100)
1467.4 NG (110)
1467.7 NG (200)
1464.70 NG (201)
1468.5 NG (101)
1465.6 NG (111)

9.42 ac
7.51 ac
4.65 ac

L=760'
L=727'
L=682'

Q100=10.8 cfs
Q100=8.4 cfs
Q100=5.7 cfs

N.A.P.

0 30 60 120 180
SCALE: 1"=60'

LEGEND

- PROJECT BOUNDARY
- SUBAREA BOUNDARY
- FLOW PATH
- 10.60 ac — SUBAREA AREA
- (100) — NODE NUMBER

CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

CONCEPTUAL HYDROLOGY MAP
(EXISTING CONDITION)

HARLEY KNOX INDUSTRIAL DEVELPMENT

PREPARED FOR:
First Industrial Realty Trust, Inc.
898 N. Pacific Coast Highway Blvd., Suite 175
El Segundo, CA 90245
PHONE: (310) 414-5400
CONTACT: Matt Plat
EMAIL: mplat@firstindustrial.com

Thienes Engineering, Inc.
CIVIL ENGINEERING • LAND SURVEYING
14349 FIRESTONE BOULEVARD
LA MIRADA, CALIFORNIA 90638
PH:(714)521-4811 FAX(714)521-4173

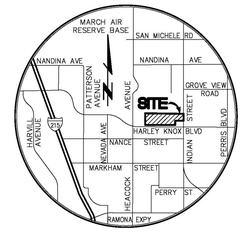
Last Update: 5/20/22
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Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director _____ R.C.E. XXXXX

Sheet 1 of 1 Sheets

4066/ 1 OF 1 SHEET



VICINITY MAP
N.T.S.

RIVERSIDE COUNTY FLOOD CONTROL

Q100=25.0 cfs (QOUT)
Q100=52.7 cfs (UNDETAINED)
Atotal=21.65 ACRES

207 1457.06 INV.

1.10 AC. | 0.95 AC. | 0.80 AC.

L=441' | L=145' | L=145' | L=145' | L=145' | L=149' | L=239' | L=225' | L=224'

102 1460.26 INV. | 103 1459.97 INV. | 104 1459.68 INV. | 105 1459.39 INV. | 106 1459.1 INV. | 107 1458.81 INV.

L=185'

1457.95 INV. 205 | 206 1457.5 INV.

1458.33 INV. 204

WSE=1465.55
PONDING DEPTH = 0.87'

WSE=1465.55
PONDING DEPTH = 0.81'

2.45 AC. | 1.15 AC. | 1.40 AC. | 1.15 AC. | 1.40 AC. | 2.35 AC. | 1.85 AC. | 1.30

BUILDING AREA

1.20 AC.

1464.74TG 101
1461.15INV.

WSE=1465.55
VOLUME REQ'D. = 164,220 CF.
VOLUME AVAILABLE = 168,221 CF.
PONDING DEPTH = 1.6 MAX.

N.A.P.

1.10 AC. | 1.45 AC.

1468.24 FS 200 | 1.95 AC. | 1466.39TG 1462.28INV. 201 | 202 1461.15 INV. | 203 1460.26 INV.

L=269' | L=377' | L=296'

1467.85 FS 100

HARLEY KNOX BOULEVARD

INDIAN AVENUE

0 30 60 120 180
SCALE: 1"=60'

LEGEND

- PROJECT BOUNDARY
- SUBAREA BOUNDARY
- FLOW PATH
- 4.10 AC. — SUBAREA AREA
- 100 — NODE NUMBER
- FLOW DIRECTION
- PONDING LIMITS

PREPARED FOR:
First Industrial Realty Trust, Inc.
898 N. Pacific Coast Highway Blvd., Suite 175
El Segundo, CA 90245
PHONE: (310) 414-5400
CONTACT: Matt Pioli
EMAIL: mpioli@firstindustrial.com

Thienes Engineering, Inc.
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Last Update:1/25/22
O:\4000-4099\4066\4066CGPO1-CGP.dwg

CITY OF PERRIS
PUBLIC WORKS DEPARTMENT

CONCEPTUAL HYDROLOGY MAP
(PROPOSED CONDITION)
HARLEY KNOX INDUSTRIAL DEVELPMENT

Designed by _____ Date _____
Checked by _____ Date _____
Designed by _____ Date _____
Checked by _____ Date _____

Approved by _____ Date _____
Public Works Director R.C.E. XXXX

Sheet 1 of 1 Sheets

4066/ 1 OF 1 SHEET

INITIAL STUDY

Public Review Comment Letters

JASON E. UHLEY
General Manager-Chief Engineer

1995 MARKET STREET
RIVERSIDE, CA 92501
951.955.1200
951.788.9965 FAX
www.rcflood.org

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

262339

June 10, 2025

City of Perris
Planning Department
135 North D Street
Perris, CA 92570

Attention: Mathew Evans

Re: DPR 22-00016, TPM 25-0004 and TPM 38684, First Industrial Logistics at Harley Knox and Indian Project, APNs 302-020-013, 302-020-028, 302-020-038, 302-020-032, 302-020-040, 302-020-043 and 302-020-048

The Riverside County Flood Control and Water Conservation District (District) does not normally recommend conditions for land divisions or other land use cases in incorporated cities. The District also does not plan check City land use cases or provide State Division of Real Estate letters or other flood hazard reports for such cases. District comments/recommendations for such cases are normally limited to items of specific interest to the District including District Master Drainage Plan facilities, other regional flood control and drainage facilities which could be considered a logical component or extension of a master plan system, and District Area Drainage Plan fees (development mitigation fees). In addition, information of a general nature is provided.

The District's review is based on the above-referenced project transmittal, received May 29, 2025. The District **has not** reviewed the proposed project in detail, and the following comments do not in any way constitute or imply District approval or endorsement of the proposed project with respect to flood hazard, public health and safety, or any other such issue:

☐ This project would not be impacted by District Master Drainage Plan facilities, nor are other facilities of regional interest proposed.

☐ This project involves District proposed Master Drainage Plan facilities, namely, _____. The District will accept ownership of such facilities on written request by the City. The Project Applicant shall enter into a cooperative agreement establishing the terms and conditions of inspection, operation, and maintenance with the District and any other maintenance partners. Facilities must be constructed to District standards, and District plan check and inspection will be required for District acceptance. Plan check, inspection, and administrative fees will be required. All regulatory permits (and all documents pertaining thereto, e.g., Habitat Mitigation and Monitoring Plans, Conservation Plans/Easements) that are to be secured by the Applicant for both facility construction and maintenance shall be submitted to the District for review. The regulatory permits' terms and conditions shall be approved by the District prior to improvement plan approval, map recordation, or finalization of the regulatory permits. There shall be no unreasonable constraint upon the District's ability to operate and maintain the flood control facility(ies) to protect public health and safety.

☐ This project proposes channels, storm drains larger than 36 inches in diameter, or other facilities that could be considered regional in nature and/or a logical extension a District's facility, the District would consider accepting ownership of such facilities on written request by the City. The Project Applicant shall enter into a cooperative agreement establishing the terms and conditions of inspection, operation, and maintenance with the District and any other maintenance partners. Facilities must be constructed to District standards, and District plan check and inspection will be required for District acceptance. Plan check, inspection, and administrative fees will be required. The regulatory permits' terms and conditions shall be approved by the District prior to improvement plan approval, map recordation, or

finalization of the regulatory permits. There shall be no unreasonable constraint upon the District's ability to operate and maintain the flood control facility(ies) to protect public health and safety.

☒ This project is located within the limits of the District's ☒Perris Valley ☐San Jacinto River ☐Homeland/Romoland Line A ☐Homeland/Romoland Line B Area Drainage Plan for which drainage fees have been adopted. If the project is proposing to create additional impervious surface area, applicable fees should be paid (in accordance with the Rules and Regulations for Administration of Area Drainage Plans) to the Flood Control District or City prior to issuance of grading or building permits. Fees to be paid should be at the rate in effect at the time of issuance of the actual permit.

☒ An encroachment permit shall be obtained for any construction related activities occurring within District right of way or facilities, namely, Perris Valley Channel Lateral B. If a proposed storm drain connection exceeds the hydraulic performance of the existing drainage facilities, mitigation will be required. For further information, contact the District's Encroachment Permit Section at 951.955.1266.

☒ The District's previous comments dated July 21, 2022 are still valid.

GENERAL INFORMATION

The project proponent shall bear the responsibility for complying with all applicable mitigation measures defined in the California Environmental Quality Act (CEQA) document, and/or Mitigation Monitoring and Reporting Program, and with all other federal, state, and local environmental rules and regulations that may apply, such as, but not limited to, the Multiple Species Habitat Conservation Plan (MSHCP), Sections 404 and 401 of the Clean Water Act, California Fish and Game Code Section 1602, and the Porter Cologne Water Quality Control Act. The District's action associated with the subject project triggers evaluation by the District with respect to the applicant's compliance with federal, state, and local environmental laws. For this project, the Lead Agency is the agency in the address above, and the District is a Responsible Agency under CEQA. The District, as a Co-permittee under the MSHCP, needs to demonstrate that all District related activities, including the actions identified above, are consistent with the MSHCP. This is typically achieved through determinations from the CEQA Lead Agency (if they are also a Co-permittee) for the project. For the MSHCP, the District's focus will be particular to Sections 6.1.2, 6.1.3, 6.1.4, 6.3.2, 7.3.7, 7.5.3, and Appendix C of the MSHCP. Please include consistency determination statements from the Lead Agency/Co-permittee for the project for each of these sections in the CEQA document. The District may also require that an applicant provide supporting technical documentation for environmental clearance.

This project may require a National Pollutant Discharge Elimination System (NPDES) permit from the State Water Resources Control Board. Clearance for grading, recordation, or other final approval should not be given until the City has determined that the project has been granted a permit or is shown to be exempt.

If this project involves a Federal Emergency Management Agency (FEMA) mapped floodplain, then the City should require the applicant to provide all studies, calculations, plans, and other information required to meet FEMA requirements, and should further require that the applicant obtain a Conditional Letter of Map Revision (CLOMR) prior to grading, recordation, or other final approval of the project and a Letter of Map Revision (LOMR) prior to occupancy.

Very truly yours,

Amy McNeill

AMY MCNEILL
Engineering Project Manager

Attachment

EM:bs

JASON E. UHLEY
General Manager-Chief Engineer

1995 MARKET STREET
RIVERSIDE, CA 92501
951.955.1200
951.788.9965 FAX
www.rcflood.org

RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT

244827

July 21, 2022

City of Perris
Planning Department
135 North D Street
Perris, CA 92570

Attention: Lupita Garcia

Re: DPR 22-00016
APNs 302-020-048, 302-020-043,
302-020-038, 302-020-028, 302-020-013

The Riverside County Flood Control and Water Conservation District (District) does not normally recommend conditions for land divisions or other land use cases in incorporated cities. The District also does not plan check City land use cases or provide State Division of Real Estate letters or other flood hazard reports for such cases. District comments/recommendations for such cases are normally limited to items of specific interest to the District including District Master Drainage Plan facilities, other regional flood control and drainage facilities which could be considered a logical component or extension of a master plan system, and District Area Drainage Plan fees (development mitigation fees). In addition, information of a general nature is provided.

The District's review is based on the above-referenced project transmittal, received June 29, 2022. The District **has not** reviewed the proposed project in detail, and the following comments do not in any way constitute or imply District approval or endorsement of the proposed project with respect to flood hazard, public health and safety, or any other such issue:

☐ This project would not be impacted by District Master Drainage Plan facilities, nor are other facilities of regional interest proposed.

☐ This project involves District proposed Master Drainage Plan facilities, namely, _____. The District will accept ownership of such facilities on written request by the City. The Project Applicant shall enter into a cooperative agreement establishing the terms and conditions of inspection, operation, and maintenance with the District and any other maintenance partners. Facilities must be constructed to District standards, and District plan check and inspection will be required for District acceptance. Plan check, inspection, and administrative fees will be required. All regulatory permits (and all documents pertaining thereto, e.g., Habitat Mitigation and Monitoring Plans, Conservation Plans/Easements) that are to be secured by the Applicant for both facility construction and maintenance shall be submitted to the District for review. The regulatory permits' terms and conditions shall be approved by the District prior to improvement plan approval, map recordation, or finalization of the regulatory permits. There shall be no unreasonable constraint upon the District's ability to operate and maintain the flood control facility(ies) to protect public health and safety.

☐ This project proposes channels, storm drains 36 inches or larger in diameter, or other facilities that could be considered regional in nature and/or a logical extension a District's facility. The District would consider accepting ownership of such facilities on written request by the City. The Project Applicant shall enter into a cooperative agreement establishing the terms and conditions of inspection, operation, and maintenance with the District and any other maintenance partners. Facilities must be constructed to District standards, and District plan check and inspection will be required for District acceptance. Plan check, inspection, and administrative fees will be required. The regulatory permits' terms and conditions shall be approved by the District prior to improvement plan approval, map recordation, or finalization of the regulatory permits. There

shall be no unreasonable constraint upon the District's ability to operate and maintain the flood control facility(ies) to protect public health and safety.

☒ This project is located within the limits of the District's ☒Perris Valley ☐San Jacinto River ☐Homeland/Romoland Line A ☐Homeland/Romoland Line B Area Drainage Plan for which drainage fees have been adopted. If the project is proposing to create additional impervious surface area, applicable fees should be paid (in accordance with the Rules and Regulations for Administration of Area Drainage Plans) to the Flood Control District or City prior to issuance of grading or building permits. Fees to be paid should be at the rate in effect at the time of issuance of the actual permit.

☒ An encroachment permit shall be obtained for any construction related activities occurring within District right of way or facilities, namely, Perris Valley Channel Lateral B. If a proposed storm drain connection exceeds the hydraulic capacity of the existing drainage facilities, mitigation will be required. For further information, contact the District's Encroachment Permit Section at 951.955.1266.

☐ The District's previous comments are still valid.

GENERAL INFORMATION

This project may require a National Pollutant Discharge Elimination System (NPDES) permit from the State Water Resources Control Board. Clearance for grading, recordation, or other final approval should not be given until the City has determined that the project has been granted a permit or is shown to be exempt.

If this project involves a Federal Emergency Management Agency (FEMA) mapped floodplain, then the City should require the applicant to provide all studies, calculations, plans, and other information required to meet FEMA requirements, and should further require the applicant obtain a Conditional Letter of Map Revision (CLOMR) prior to grading, recordation, or other final approval of the project and a Letter of Map Revision (LOMR) prior to occupancy.

The project proponent shall bear the responsibility for complying with all applicable mitigation measures defined in the California Environmental Quality Act (CEQA) document (i.e., Negative Declaration, Mitigated Negative Declaration, Environmental Impact Report) and/or Mitigation Monitoring and Reporting Program, if a CEQA document was prepared for the project. The project proponent shall also bear the responsibility for complying with all other federal, state, and local environmental rules and regulations that may apply.

If a natural watercourse or mapped floodplain is impacted by this project, the City should require the applicant to obtain a Section 1602 Agreement from the California Department of Fish and Wildlife and a Clean Water Act Section 404 Permit from the U.S. Army Corps of Engineers, or written correspondence from these agencies indicating the project is exempt from these requirements. A Clean Water Act Section 401 Water Quality Certification may be required from the local California Regional Water Quality Control Board prior to issuance of the Corps 404 permit.

Very truly yours,

Amy McNeill

AMY MCNEILL
Engineering Project Manager

ec: Riverside County Planning Department
Attn: Phayvanh Nanthavongdouangsy

AMR:jss

BILL WEISER, FIRE CHIEF
210 WEST SAN JACINTO AVENUE
PERRIS, CA 92570-1915
BUS: (951) 940-6900

June 16, 2025

Mathew Evans, Contract Project Planner
City of Perris, Planning Division
135 North D Street, Perris, 92570

City Case Number: DPR 22-00016, TPM 38684 – NOP for Draft EIR
Project Name: First Industrial Logistics
Fire Department Case Number: FPEIR2500003

The Fire Department has reviewed the Notice of Preparation of a Draft Environmental Impact Report for this project. Regarding your request for input as to the scope and content of the environmental information that is relevant to our organization, we provide the following comments.

The proposed project is expected to have a cumulative adverse impact on the fire department's ability to provide an acceptable level of service. These impacts include an increased number of emergency and public service calls due to the increased presence of structures, traffic, and population. This project will add to the workload of the closest fire stations, which are already operating at or exceeding optimal workload capacity. The Fire Department concurs with the findings in the Initial Study dated May 2025 that the project contributions to the city's Development Impact Fees will address these impacts and provide proportional mitigations.

These comments are preliminary; further review will occur upon receiving subsequent planning case applications and/or building plans. Additional requirements may be necessary at that time. If we can be of further assistance, please feel free to contact the Riverside County Fire Department, Fire Planning Division at (951) 955-4777 or rvcplanningsubmittals@fire.ca.gov.

Respectfully,

Steve Payne
Deputy Fire Marshal
Riverside County Fire Department
Fire Planning Division

South Coast
Air Quality Management District
21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

June 18, 2025

SENT VIA E-MAIL:
mevans@cityofperris.org
Mathew Evans, Contract Project Planner
City of Perris, Planning Division
135 North D Street
Perris, CA 92570

Notice of Preparation of a Draft Environmental Impact Report for First Industrial Logistics at Harley Knox and Indian Project (Proposed Project) (SCH No: 2025051368)

South Coast Air Quality Management District (South Coast AQMD) staff appreciate the opportunity to comment on the above-mentioned document. Our comments are recommendations on the analysis of potential air quality impacts from the Proposed Project that should be included in the Draft Environmental Impact Report (EIR). Please send a copy of the Draft EIR upon its completion and public release directly to South Coast AQMD as copies of the Draft EIR submitted to the State Clearinghouse are not forwarded. **In addition, please send all appendices and technical documents related to the air quality, health risk, and greenhouse gas analyses (electronic versions of all emission calculation spreadsheets, air quality modeling, and health risk assessment input and output files, not PDF files). Any delays in providing all supporting documentation for our review will require additional review time beyond the end of the comment period.**

Responsible Agency and South Coast AQMD Permits

CEQA Guidelines Section 15096 sets forth specific procedures for a Responsible Agency, including making a decision on the adequacy of the CEQA document for use as part of the process for conducting a review of the Proposed Project and issuing discretionary approvals. Moreover, it is important to note that if a Responsible Agency determines that a CEQA document is not adequate to rely upon for its discretionary approvals, the Responsible Agency must take further actions listed in CEQA Guideline Section 15096(e), which could have the effect of delaying the implementation of the Proposed Project. In its role as CEQA Responsible Agency, the South Coast AQMD is obligated to ensure that the CEQA document prepared for this Proposed Project contains a sufficient project description and analysis to be relied upon in order to issue any discretionary approvals that may be needed for air permits.

For these reasons, the Draft EIR should be revised to include a discussion about any and all new stationary and portable equipment requiring South Coast AQMD air permits, provide the evaluation of their air quality and greenhouse gas impacts, and identify South Coast AQMD as a Responsible Agency for the Proposed Project as this information will be relied upon as the basis for the permit conditions and emission limits for the air permit(s). Please contact South Coast AQMD's Engineering and Permitting staff at (909) 396-3385 for questions regarding what types

of equipment would require air permits. For more general information on permits, please visit South Coast AQMD's webpage at https://www.aqmd.gov/home/permits.

CEQA Air Quality Analysis

The Lead Agency is recommended to rely on the guidance provided in the South Coast AQMD's CEQA Air Quality Handbook and website[1] when preparing the air quality and greenhouse gas analyses. It is also recommended that the Lead Agency use the California Air Pollution Control Officers Association's California Emissions Estimator Model (CalEEMod)[2] software, to quantify emissions of air pollutants from typical land use development project.

In addition, the South Coast AQMD has adopted regional air quality significance thresholds[3] as well as localized significance thresholds (LST).[4] If the Lead Agency has not adopted its own significance thresholds, the Lead Agency is recommended to rely on South Coast AQMD's adopted thresholds for determining whether the Proposed Project's air quality and greenhouse gas impacts are significant. It is important to note that the localized analysis can be conducted by either using the LST screening tables or performing air dispersion modeling.

The Lead Agency should identify any potential adverse air quality and greenhouse gas impacts that could occur from all phases of the Proposed Project and all air pollutant sources related to the Proposed Project. Air quality and greenhouse gas impacts from both construction (including demolition, if any) and operations should be calculated. Construction-related air quality impacts typically include, but are not limited to, emissions from the use of heavy-duty equipment from grading, earth-loading/unloading, paving, architectural coatings, off-road mobile sources (e.g., heavy-duty construction equipment) and on-road mobile sources (e.g., construction worker vehicle trips, material transport trips, and hauling trips). Operation-related air quality and greenhouse gas impacts may include, but are not limited to, emissions from stationary sources (e.g., boilers and air pollution control devices), area sources (e.g., solvents and coatings), and vehicular trips (e.g., on- and off-road tailpipe emissions and entrained dust). Air quality and greenhouse gas impacts from indirect sources, such as sources that generate or attract vehicular trips, should be included in the analysis. Furthermore, if the Lead Agency elects to rely on South Coast AQMD's air quality significance thresholds, the emissions from the overlapping construction and operational activities should be combined and compared to South Coast AQMD's air quality significance thresholds for *operation* to determine the level of significance.

If the Proposed Project generates diesel emissions from long-term construction or attracts diesel-fueled vehicular trips, especially if heavy-duty diesel-fueled vehicles will be used, it is recommended that the Lead Agency perform a mobile source health risk assessment.[5]

---

1 South Coast AQMD's CEQA Air Quality Handbook and other resources for preparing air quality analyses can be found at: http://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook.

2 CalEEMod is available free of charge at: www.caleemod.com.

3 South Coast AQMD's air quality significance thresholds can be found at: https://www.aqmd.gov/docs/default-source/ceqa/handbook/south-coast-aqmd-air-quality-significance-thresholds.pdf

4 South Coast AQMD's guidance for performing a localized air quality analysis can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/localized-significance-thresholds.

5 South Coast AQMD's guidance for performing a mobile source health risk assessment can be found at: http://www.aqmd.gov/home/regulations/ceqa/air-quality-analysis-handbook/mobile-source-toxics-analysis.

The Proposed Project appears to include a warehouse, and the operation of warehouses generates and attracts heavy-duty diesel-fueled trucks that emit diesel particulate matter (DPM), a toxic air contaminant. The South Coast AQMD Multiple Air Toxics Exposure Study (MATES V), completed in August 2021, concluded that the largest contributor to cancer risk from air pollution is DPM emissions.[6] For this reason, South Coast AQMD staff is concerned about the potentially adverse public health impacts of siting new warehouses or expanding existing warehouses within close proximity of sensitive land uses, especially in communities located in or adjacent to multiple other existing warehouses and their associated truck activities. According to the MATES V carcinogenic risk interactive map, the area surrounding the Proposed Project has an estimated cancer risk of over 300 in one million.[7] When the health impacts from the Proposed Project are added to those existing impacts from these other sources of DPM, residents living in the communities surrounding the Proposed Project will possibly face an even greater exposure to air pollution and bear a disproportionate burden of increased health risks. To minimize the impacts of DPM from the Proposed Project and avoid exacerbating existing conditions, the Lead Agency is encouraged to evaluate either quantitatively or qualitatively the potential health risk impacts to nearby sensitive receptors and if significant impacts are identified, to include mitigation measures in the Draft EIR (which are discussed later in this letter) that would reduce or eliminate the DPM health risks to the surrounding community.

In addition, some warehouses could potentially be receiving and storing materials sterilized with ethylene oxide (EtO), a known carcinogen identified by CARB as a Toxic Air Contaminant and by the U.S. EPA as a Hazardous Air Pollutant. EtO is a flammable, colorless gas used in many industries to make products including antifreeze, textiles, solvents, detergents, and adhesives. EtO is also used to sterilize medical devices, the primary use within South Coast AQMD. Due to concerns of EtO off-gassing from sterilized materials and the associated warehouses that receive and store materials sterilized with EtO, there is a potential that some warehouses could emit EtO and pose a cancer risk to workers and nearby sensitive receptors. For these reasons, the Lead Agency is recommended to notify the project proponent, including the potential future tenants, if known, that if sterilization activities or related operations involving the storage or transport of materials sterilized with EtO are intended to occur at the Proposed Project site, such activities would be subject to the requirements of South Coast AQMD Rule 1405 – Control of Ethylene Oxide Emissions from Sterilization and Related Operations.[8] Rule 1405 contains a variety of requirements applicable to both facilities and certain large warehouses that receive EtO-sterilized products. For the latter, warehouse operators are required to provide records and emissions data through fenceline monitoring or emissions studies to help assess EtO emissions from warehouses. Rule 1405 is intended to minimize EtO emissions from these sources to protect public health, particularly in nearby communities that may be vulnerable to toxic air contaminants.

Thus, if the Proposed Project includes a warehouse that will store materials that have been sterilized with EtO, the Lead Agency is recommended to conduct a health risk assessment that evaluates potential health risks from EtO emissions associated with the Proposed Project and include this information in the Draft EIR to facilitate full disclosure of potential health risk impacts.

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[6] South Coast AQMD. August 2021. *Multiple Air Toxics Exposure Study in the South Coast Air Basin V*. Available at: http://www.aqmd.gov/home/air-quality/air-quality-studies/health-studies/mates-v.

[7] South Coast AQMD. MATES V Data Visualization Tool. Accessed at: MATES Data Visualization (arcgis.com).

[8] South Coast AQMD, Rule 1405 – Control of Ethylene Oxide Emissions from Sterilization and Related Operations. Available at: https://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1405.pdf.

Mitigation Measures

In the event that the Proposed Project results in significant adverse air quality impacts, CEQA requires that all feasible mitigation measures that go beyond what is required by law be utilized to minimize these impacts. Any impacts resulting from mitigation measures must also be analyzed. Several resources to assist the Lead Agency with identifying potential mitigation measures for the Proposed Project include South Coast AQMD's CEQA Air Quality Handbook,[9] South Coast AQMD's Mitigation Monitoring and Reporting Plan for the 2022 Air Quality Management Plan,[10] and Southern California Association of Government's Mitigation Monitoring and Reporting Plan for the 2020-2045 Regional Transportation Plan/Sustainable Communities Strategy.[11]

Mitigation measures for operational air quality impacts from mobile sources that the Lead Agency should consider in the Draft EIR may include the following:

- Require zero-emissions (ZE) or near-zero emission (NZE) on-road haul trucks such as heavy-duty trucks with natural gas engines that meet the CARB's adopted optional NOx emissions standard at 0.02 grams per brake horsepower-hour (g/bhp-hr), if and when feasible. Given the state's clean truck rules and regulations aiming to accelerate the utilization and market penetration of ZE and NZE trucks such as the Advanced Clean Trucks Rule[12] and the Heavy-Duty Low NOx Omnibus Regulation[13], ZE and NZE trucks will become increasingly more available to use. The Lead Agency should require a phase-in schedule to incentivize the use of these cleaner operating trucks to reduce any significant adverse air quality impacts. South Coast AQMD staff is available to discuss the availability of current and upcoming truck technologies and incentive programs with the Lead Agency. At a minimum, require the use of 2010 model year[14] that meet CARB's 2010 engine emissions standards at 0.01 g/bhp-hr of particulate matter (PM) and 0.20 g/bhp-hr of NOx emissions or newer, cleaner trucks. Include environmental analyses to evaluate and identify sufficient electricity and supportive infrastructures in the Energy and Utilities and Service Systems Sections in the CEQA document, where appropriate. Include the requirement in applicable bid documents, purchase orders, and contracts. Operators shall maintain records of all trucks associated with project construction to document that each truck used meets these emission standards and make the records available for inspection. The Lead Agency should conduct regular inspections to the maximum extent feasible to ensure compliance.

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[9] https://www.aqmd.gov/home/rules-compliance/ceqa/air-quality-analysis-handbook

[10] South Coast AQMD's 2022 Air Quality Management Plan can be found at: http://www.aqmd.gov/home/air-quality/clean-air-plans/air-quality-mgt-plan (Chapter 4 - Control Strategy and Implementation).

[11] Southern California Association of Governments' 2020-2045 RTP/SCS can be found at: https://www.connectsocal.org/Documents/PEIR/certified/Exhibit-A_ConnectSoCal_PEIR.pdf.

[12] CARB. June 25, 2020. *Advanced Clean Trucks Rule*. Accessed at: https://ww2.arb.ca.gov/our-work/programs/advanced-clean-trucks.

[13] CARB has recently passed a variety of new regulations that require new, cleaner heavy-duty truck technology to be sold and used in state. For example, on August 27, 2020, CARB approved the Heavy-Duty Low NOx Omnibus Regulation, which will require all trucks to meet the adopted emission standard of 0.05 g/hp-hr starting with engine model year 2024. Accessed at: https://ww2.arb.ca.gov/rulemaking/2020/hdomnibuslownox.

[14] CARB adopted the statewide Truck and Bus Regulation in 2010. The Regulation requires diesel trucks and buses that operate in California to be upgraded to reduce emissions. Newer heavier trucks and buses must meet particulate matter filter requirements beginning January 1, 2012. Lighter and older heavier trucks must be replaced starting January 1, 2015. By January 1, 2023, nearly all trucks and buses will need to have 2010 model year engines or equivalent. More information on the CARB's Truck and Bus Regulation is available at: https://www.arb.ca.gov/msprog/onrdiesel/onrdiesel.htm.

- Limit the daily number of trucks allowed at the Proposed Project to levels analyzed in the Final CEQA document. If higher daily truck volumes are anticipated to visit the site, the Lead Agency should commit to re-evaluating the Proposed Project through CEQA prior to allowing this higher activity level.
- Provide electric vehicle (EV) charging stations or, at a minimum, provide electrical infrastructure and electrical panels should be appropriately sized. Electrical hookups should be provided for truckers to plug in any onboard auxiliary equipment.

Mitigation measures for operational air quality impacts from other area sources that the Lead Agency should consider in the Draft EIR may include the following:

- Maximize use of solar energy by installing solar energy arrays.
- Use light colored paving and roofing materials.
- Utilize only Energy Star heating, cooling, and lighting devices, and appliances.
- Use of water-based or low VOC cleaning products that go beyond the requirements of South Coast AQMD Rule 1113.

Design considerations for the Proposed Project that the Lead Agency should consider to further reduce air quality and health risk impacts include the following:

- Clearly mark truck routes with trailblazer signs, so that trucks will not travel next to or near sensitive land uses (e.g., residences, schools, day care centers, etc.).
- Design the Proposed Project such that truck entrances and exits are not facing sensitive receptors and trucks will not travel past sensitive land uses to enter or leave the Proposed Project site.
- Design the Proposed Project such that any check-in point for trucks is inside the Proposed Project site to ensure that there are no trucks queuing outside.
- Design the Proposed Project to ensure that truck traffic inside the Proposed Project site is as far away as feasible from sensitive receptors.
- Restrict overnight truck parking in sensitive land uses by providing overnight truck parking inside the Proposed Project site.

On May 7, 2021, South Coast AQMD's Governing Board adopted Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program, and Rule 316 – Fees for Rule 2305. Rules 2305 and 316 are new rules that will reduce regional and local emissions of nitrogen oxides (NOx) and particulate matter (PM), including diesel PM. These emission reductions will reduce public health impacts for communities located near warehouses from mobile sources that are associated with warehouse activities. Also, the emission reductions will help the region attain federal and state ambient air quality standards. Rule 2305 applies to owners and operators of warehouses greater than or equal to 100,000 square feet. Under Rule 2305, operators are subject to an annual WAIRE Points Compliance Obligation that is calculated based on the annual number of truck trips to the warehouse. WAIRE Points can be earned by implementing actions in a prescribed menu in Rule 2305, implementing a site-specific custom

plan, or paying a mitigation fee. Warehouse owners are only required to submit limited information reports, but they can opt in to earn Points on behalf of their tenants if they so choose because certain actions to reduce emissions may be better achieved at the warehouse development phase, for instance the installation of solar and charging infrastructure. Rule 316 is a companion fee rule for Rule 2305 to allow South Coast AQMD to recover costs associated with Rule 2305 compliance activities. Since the Proposed Project consists of the development of a 549,786-square-foot warehouse, the Proposed Project's warehouse owners and operators will be required to comply with Rule 2305 once the warehouse is occupied. Therefore, South Coast AQMD staff recommends that the Lead Agency review South Coast AQMD Rule 2305 to determine the potential WAIRE Points Compliance Obligation for future operators and explore whether additional project requirements and CEQA mitigation measures can be identified and implemented at the Proposed Project that may help future warehouse operators meet their compliance obligation.[15] South Coast AQMD staff is available to answer questions concerning Rule 2305 implementation and compliance by phone or email at (909) 396-3140 or waire-program@aqmd.gov. For implementation guidance documents and compliance and reporting tools, please visit South Coast AQMD's WAIRE Program webpage.[16]

South Coast AQMD staff is available to work with the Lead Agency to ensure that air quality, greenhouse gas, and health risk impacts from the Proposed Project are accurately evaluated and mitigated where feasible. If you have any questions regarding this letter, please contact Zoya Banan, Ph.D., Air Quality Specialist, at ZBanan@aqmd.gov.

Sincerely,

Sam Wang

Sam Wang
Program Supervisor, CEQA IGR
Planning, Rule Development & Implementation

DN:ZB

RVC250528-02
Control Number

[15] South Coast AQMD Rule 2305 – Warehouse Indirect Source Rule – Warehouse Actions and Investments to Reduce Emissions (WAIRE) Program. Accessed at: http://www.aqmd.gov/docs/default-source/rule-book/reg-xxiii/r2305.pdf.
[16] South Coast AQMD WAIRE Program. Accessed at: http://www.aqmd.gov/waire.

JUNE 19, 2025

VIA EMAIL: MEVANS@CITYOFPERRIS.ORG
MATHEW EVANS, PROJECT PLANNER
CITY OF PERRIS
DEVELOPMENT SERVICES DEPARTMENT, PLANNING DIVISION
135 NORTH D STREET
PERRIS, CA 92570

Dear Mr. Evans:

NOTICE OF PREPARATION OF A DRAFT ENVIRONMENTAL IMPACT REPORT FOR THE FIRST INDUSTRIAL LOGISTICS AT HARLEY KNOX AND INDIAN PROJECT, SCH# 2025051368

The Department of Conservation's (Department) Division of Land Resource Protection (Division) has reviewed the Notice of Preparation of a Draft Environmental Impact Report for the First Industrial Logistics at Harley Knox and Indian Project (Project).

The Division monitors and maps farmland conversion on a statewide basis, provides technical assistance regarding the Williamson Act, and administers various agricultural land conservation programs. Public Resources Code, section 614, subdivision (b) authorizes the Department to provide soil conservation advisory services to local governments, including review of CEQA documents.

Protection of the state's agricultural land resources is part of the Department's mission and central to many of its programs. The CEQA process gives the Department an opportunity to acknowledge the value of the resource, identify areas of Department interest, and offer information on how to assess potential impacts or mitigation opportunities.

The Department respects local decision-making by informing the CEQA process and is not taking a position or providing legal or policy interpretation.

We offer the following comments for consideration with respect to the project's potential impacts on agricultural land and resources within the Department's purview.

PROJECT ATTRIBUTES

The First Industrial Logistics at Harley Knox and Indian Project involves the merging of seven parcels for the construction and operation of an approximately 549,786-square-foot non-refrigerated warehouse building including infrastructure, appurtenances, associated parking areas, and associated offsite supporting improvements.

The proposed warehouse building would accommodate high-cube warehouse distribution uses, anticipating that approximately 10,000 square feet could be utilized for supporting office and mezzanine uses. The Project would include a total of 94 dock doors on the north side of the building. The building would include solar-ready rooftop panels. The Project site contains Prime Farmland as designated by DOC's Farmland Mapping and Monitoring Program.

PROJECT CONSIDERATIONS

The conversion of agricultural land represents a permanent reduction and impact to California's agricultural land resources. The Department generally advises discussion of the following in any environmental review for the loss or conversion of agricultural land:

- Type, amount, and location of farmland conversion resulting directly and indirectly from implementation of the proposed project.
- Impacts on any current and future agricultural operations in the vicinity; e.g., land-use conflicts, increases in land values and taxes, loss of agricultural support infrastructure such as processing facilities, etc.
- Incremental impacts leading to cumulative impacts on agricultural land. This would include impacts from the proposed project, as well as impacts from past, current, and likely future projects.
- Implementation of any City or County Agricultural Mitigation Plans, Programs, or Policies.
- Proposed mitigation measures for impacted agricultural lands within the proposed project area.

MITIGATING AGRICULTURAL LAND LOSS OR CONVERSION

Consistent with CEQA Guidelines, the Department advises that the environmental review address mitigation for the loss or conversion of agricultural land. An agricultural conservation easement is one potential method for mitigating loss or conversion of agricultural land. (*See* Cal. Code Regs., tit. 14, § 15370 [mitigation includes "compensating for the impact by replacing or providing substitute resources or environments, including through permanent protection of such resources in the form of conservation easements."]; *see also King and Gardiner Farms, LLC v. County of Kern* (2020) 45 Cal.App.5th 814.)

Mitigation through agricultural conservation easements can take at least two forms: the outright purchase of easements or the donation of mitigation fees to a local, regional, or statewide organization or agency whose purpose includes the acquisition and stewardship of agricultural easements. The conversion of agricultural land may be viewed as an impact of at least regional significance. Hence, the search for replacement lands may not need to be limited strictly to lands within the project's surrounding area. A helpful source for regional and statewide agricultural mitigation banks is the California Council of Land Trusts. They provide helpful insight into farmland

mitigation policies and implementation strategies, including a guidebook with model policies and a model local ordinance. The guidebook can be found at:

California Council of Land Trusts

Of course, the use of conservation easements is only one form of mitigation, and the Department urges consideration of any other feasible measures necessary to mitigate project impacts.

Thank you for giving us the opportunity to comment on the Notice of Preparation of a Draft Environmental Impact Report for the First Industrial Logistics at Harley Knox and Indian Project. Please provide the Department with notices of any future hearing dates as well as any staff reports pertaining to this project. If you have any questions regarding our comments, please contact Farl Grundy, Associate Environmental Planner via email at Farl.Grundy@conservation.ca.gov.

Sincerely,

Monique Wilber

Monique Wilber

Conservation Program Support Supervisor

NATIVE AMERICAN HERITAGE COMMISSION

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May 30, 2025

Mathew Evans
City of Perris
101 N. D Street
Perris CA 92570

Re: 2025051368 First Industrial Logistics at Harley Knox and Indian (DPR 22-00016 and TPM 25-0004 (TPM 38684)) Project, Riverside County

Dear Mr. Evans:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, §15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements**. If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

AB 52

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project: Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

- **a.** A brief description of the project.
- **b.** The lead agency contact information.
- **c.** Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
- **d.** A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).

2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report: A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

- **a.** For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).

3. Mandatory Topics of Consultation If Requested by a Tribe: The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

- **a.** Alternatives to the project.
- **b.** Recommended mitigation measures.
- **c.** Significant effects. (Pub. Resources Code §21080.3.2 (a)).

4. Discretionary Topics of Consultation: The following topics are discretionary topics of consultation:

- **a.** Type of environmental review necessary.
- **b.** Significance of the tribal cultural resources.
- **c.** Significance of the project's impacts on tribal cultural resources.
- **d.** If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).

5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process: With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).

6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document: If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

- **a.** Whether the proposed project has a significant impact on an identified tribal cultural resource.
- **b.** Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

7. Conclusion of Consultation: Consultation with a tribe shall be considered concluded when either of the following occurs:

a. The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or

b. A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).

8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document: Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).

9. Required Consideration of Feasible Mitigation: If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).

10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:

a. Avoidance and preservation of the resources in place, including, but not limited to:

i. Planning and construction to avoid the resources and protect the cultural and natural context.

ii. Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.

b. Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:

i. Protecting the cultural character and integrity of the resource.

ii. Protecting the traditional use of the resource.

iii. Protecting the confidentiality of the resource.

c. Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.

d. Protecting the resource. (Pub. Resource Code §21084.3 (b)).

e. Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).

f. Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).

11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource: An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:

a. The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.

b. The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.

c. The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. Tribal Consultation: If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).

2. No Statutory Time Limit on SB 18 Tribal Consultation. There is no statutory time limit on SB 18 tribal consultation.

3. Confidentiality: Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).

4. Conclusion of SB 18 Tribal Consultation: Consultation should be concluded at the point in which:

- **a.** The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
- **b.** Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: http://nahc.ca.gov/resources/forms/.

NAHC Recommendations for Cultural Resources Assessments

To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (https://ohp.parks.ca.gov/?page_id=30331) for an archaeological records search. The records search will determine:

- **a.** If part or all of the APE has been previously surveyed for cultural resources.
- **b.** If any known cultural resources have already been recorded on or adjacent to the APE.
- **c.** If the probability is low, moderate, or high that cultural resources are located in the APE.
- **d.** If a survey is required to determine whether previously unrecorded cultural resources are present.

2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.

- **a.** The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
- **b.** The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:

a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.

b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.

4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.

a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.

b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.

c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address: Andrew.Green@NAHC.ca.gov.

Sincerely,

Andrew Green

Andrew Green
Cultural Resources Analyst

cc: State Clearinghouse

Community & Economic Development

Department

City of Arts & Innovation

June 30, 2025

Matthew Evans
City of Perris, Planning Division
135 North D Street
Perris, CA 92570

Subject: City of Riverside's Review of a Notice of Preparation of a DEIR for Development Plan Review (DPR) 22-00016 and Tentative Parcel Map 25-0004 (TPM 38684) for the First Industrial Logistics Project

Dear Mr. Evans:

Thank you for the opportunity to comment on the proposed project.

The City understands that the project proposes merging seven (7) parcels for the construction and operation of an approximately 549,786-square-foot non-refrigerated warehouse building including infrastructure, appurtenances, associated parking areas, and associated offsite supporting improvements.

The City has reviewed the proposed project and wishes to provide the following comments:

Public Works – Traffic Engineering Division:

- Based on the project description, the Traffic Division requests that the traffic analysis scope and study be provided for their review once available.

- The City of Riverside prohibits 3-axle commercial vehicles on certain streets near the project site. The following is an excerpt from Riverside Municipal Code Section 10.56.050, which includes a complete list of restricted streets:

10.56.050 Commercial vehicles exceeding three (3) axles prohibited from using certain streets.

When signs are erected giving notice thereof, no person shall operate any commercial vehicle exceeding three axles at any time upon any of the streets or parts of streets listed below, except that such vehicle may be operated thereon for the purpose of delivering or picking up materials or merchandise or the performance of services in connection with and in aid of a property in the block, and then only by

entering such street at the intersection nearest the destination of the vehicle and proceeding thereon no farther than the nearest intersection thereafter:

Exceeding Three Axles:	
Name of Street	**Limits of Prohibition**
Alessandro Boulevard	Central Avenue to Trautwein Road
Arlington Avenue	Horace Street to Chicago Avenue
Central Avenue	Fremont Street to Brockton Avenue
Central Avenue	Alessandro Boulevard to State Route 91
Chicago Avenue	Arlington Avenue to Central Avenue
Iowa Avenue	Spruce Street to Blaine Street
Jurupa Avenue	Fremont Street to Brockton Avenue
La Sierra Avenue	Southerly limits to the SR-91 Freeway
Main Street	Columbia Avenue and the SR-60 Freeway
Sycamore Canyon Boulevard	Fair Isle Drive to Central Avenue
Trautwein Road	Alessandro Boulevard to Van Buren Boulevard
Van Buren Boulevard	Coyote Bush Road to Dauchy Avenue

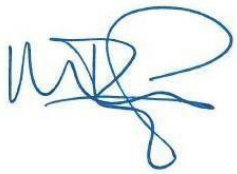
(Ord. 7651 § 1, 2023; Ord. 7622 § 1, 2023; Ord. 7583 § 2, 2022; Ord. 7437, § 1, 2018; Ord. 7422 § 1, 2018; Ord. 7125 § 4, 2011)

- The traffic study prepared for the Project and the Transportation section of the Draft EIR should be reviewed for consistency with these restrictions. Truck routing plans should be included as part of the traffic study and provided to the City for review. If necessary, the traffic analysis prepared for the project should be revised to reflect that no truck traffic will be permitted on the segments listed.

The City of Riverside appreciates your consideration of the comments provided in this letter. Should you have any questions regarding this letter, please contact me at (951) 826-5944, or by e-mail at mtaylor@riversideca.gov.

We thank you again for the opportunity to provide comments on this proposal and look forward to working with you in the future.

Sincerely,



Matthew Taylor
Principal Planner

cc: Patricia Lock Dawson, Mayor
Riverside City Council Members
Mike Futrell, City Manager
Rafael Guzman, Assistant City Manager
Jennifer A. Lilley, Community & Economic Development Director
Maribeth Tinio, City Planner
Gilbert Hernandez, Public Works Director
Rebecca McKee-Reimbold, Interim City Attorney