ASM Project Number: 30430.36

January 15, 2026

Quad Knopf, Inc.
Jaymie Brauer
P.O. Box 3699
Visalia, CA 93278

RE: Cultural Resources Survey, Zone Change No. PP-ZC-24-0005 (APN:368-060-32), Bakersfield, Kern County, California

Dear Ms. Brauer:

This letter documents completion of a Phase I cultural resources study for the 2.961-acre (ac.) Zone Change No. PP-ZC-24-0005 (APN:368-060-32) south of Rosedale Highway in Bakersfield (Project), Kern County, California (Figure 1). This letter summarizes an archival record search (25-466) from the Southern San Joaquin Valley Information Center (SSJVIC), California State University, Bakersfield, and the results of a Sacred Lands File (SLF) search conducted by the Native American Heritage Commission (NAHC). Additionally, this letter serves as a cultural report for the Phase I survey of the 2.961-ac. study area completed by ASM Affiliates (ASM) on December 23, 2025, as well as the Tribal outreach conducted by ASM based on the contact list provided by the NAHC. This study was conducted to assist in compliance with the California Environmental Quality Act (CEQA). Peter A. Carey, M.A., RPA, served as principal investigator and Senior Archaeologists Ashlee Younie M.A., RPA and Dustin Merrick M.A., RPA are contributing authors of this letter.

Project Description and Location

The proposed Project will consist of the parcel being rezoned from an agricultural zone (A) to a general manufacturing zone (M-2) for future development. The study area for the Project is on the Oildale (2015) United States Geological Survey 7.5-minute quadrangle, in the Public Land Survey System Section 28, Township 29 South, Range 27 East (T29S/R27E), Mount Diablo Base and Meridian (MDBM). The Project is within the city of Bakersfield, in a currently undeveloped lot approximately 700 feet south of Old Highway 58, also known as the Rosedale Highway. The lot is surrounded by urban and industrial developments. The south half of the lot appears to have been undeveloped until 1968, according to aerial imagery available beginning in 1952. The north half of the lot appears to have been a homestead, and in the western corner there is a home with trees and outbuildings visible on aerial imagery beginning in 1952 and persisting until 2014. By 1984, and through at least 2010, there are additional buildings and livestock corrals visible. Sometime between 2010 and 2012, all the buildings, structures, roads and fences associated with the homestead were demolished and the lot was graded as seen on images available at the Nationwide Environmental Title Research (NETR) Online. According to records on file with the Kern County Assessor's Office, a permit for demolition was issued in 2011 and completed in 2015.

Records Search

The SSJVIC completed their records search (25-466) on November 17, 2025. The records search was conducted to determine whether the study area had been previously surveyed for cultural resources, and if any known cultural resources are present. Further, the records search was consulted to determine: (i) if precontact or historic-era archaeological sites had previously been recorded within the Project area; (ii) if the Project area had been systematically surveyed by archaeologists prior to the initiation of this field study; and (iii) whether archaeological sites are present in the vicinity to inform archaeological sensitivity. Records examined included archaeological site files and maps, the National Register of Historic Places (NRHP), Historic Property Data File, California Inventory of Historic Resources, and the California Points of Historic Interest.

According to the SSJVIC records search, there have been no previous studies conducted within the study area, and there are no known cultural resources within the study area. There have been 13 additional previous studies conducted within a 0.5-mile radius of the study area (Table 1) and 10 previously recorded resources (five historic sites are unknown, as the site record is not available: three structures, one historic trash scatter, and one historic isolate) recorded within 0.5-mile of the study area (Table 2). One of these resources, P-15-007233 (Callaway Canal), has been determined not eligible for listing on the NRHP, one has been recommended not eligible (P-15-000560), one canal appears eligible (P-15-0137238) and the remainder are unevaluated or their eligibility status is unknown. The records search materials consulted for this study are available in Appendix A.

Table 1. Survey Reports within 0.5 mi. of the Project Area

Report No.	Year	Author (s)/Affiliation	Title
KE-00814	1990	Parr, Robert E./ Cultural Resource Facility, California State University, Bakersfield	Archaeological Assessment of the Riverlakes Ranch Specific Plan, City of Bakersfield, Kern County, California.
KE-00866	1992	Parr, Robert E., and Osborne, Richard/ Cultural Resource Facility, California State University, Bakersfield	Archaeological Survey Report for the Proposed Route Adoption Study on Highway 58, Bakersfield, Kern County, California
KE-01062	1978	Schiffman, Robert/ Bakersfield College	Archaeological Report for Proposed Greenacre Park
KE-01169	1991	Unknown/ California State University, Bakersfield	Ongoing Fieldwork for the Buena Vista Slough Near Lokern
KE-02323	1999	Demos-Petropoulous, Francine; McGowan, Dana; Scott, Barry; O'Brien, Teresa; Norton, Bill; and Rause, Wendy/ Jones & Stokes Associates, Inc.	Cultural Resources Inventory Report for the AT&T Corp. Cable Upgrade Project, Los Angeles, Kern, and San Luis Obispo Counties, California
KE-02396	2000	Nelson, Wendy J./ Far Western Anthropological Research Group, Inc.	Cultural Resource Survey for the Level (3) Communications Long Haul Fiber Optics Project: Segment WS04: Sacramento to Bakersfield
KE-02807	1993	Herbert, Rand F./ JRP Historical Consulting Services	Historic Resource Evaluation Report: Tier 1, Route Adoption on Route 58 Between I-5 and State Route 99
KE-03778	2007	Lloyd, Jay B./ Applied Earthworks, Inc.	Cultural Resources and Paleontological Survey for the West Village Project in Bakersfield, Kern County, California

Report No.	Year	Author (s)/Affiliation	Title
KE-04250	2011	Ruby, Allika; Schiffman, Robert; Whitehouse, John; and Helton, Kirsten/ Far Western Anthropological Research Group, Inc.	State Route 58 Widening Project-Archaeological Survey Report, Kern County, California
KE-04311	2012	Pruett, Catherine Lewis and Gold, Alan/ Three Girls and a Shovel, LLC.	A Cultural Resources Assessment for the Cross Valley Canal to Calloway Canal Intertie Project, Kern County, California
KE-04448	2013	Duke, Curt/ Duke CRM	Cultural Resources Assessment Alon Bakersfield Refinery Crude Flexibility Project Bakersfield, Kern County, California
KE-04547	2012	Leigh, Anastasia/ Bureau of Reclamation	National Historic Preservation Act (NHPA) Section 106 Compliance for the Cawelo Water District (CWD) Calloway Canal Lining Project, Kern County, California
KE-05088	2019	Hudlow, Scott / Hudlow Cultural Resource Associates	A Phase I Cultural Resource Survey for Alon Refinery, Five New Injection Wells Bakersfield, Kern County, California

Table 2. Resources within 0.5 mi. of the Project Area

Resource	Type	Age	Description	Eligibility
P-15-000560	Structure, Site	Historic	Atchison, Topeka, & Santa Fe Railroad; Other - AT&SF Railroad	Recommended not eligible
P-15-003291	Site	Historic	Historic glass scatter with a ceramic fragment	Unevaluated
P-15-007233	Structure	Historic	Callaway Canal	Determined not eligible
P-15-008110	Building	Historic	Unknown	Unknown
P-15-008111	Building	Historic	Unknown	Unknown
P-15-008173	Building	Historic	Unknown	Unknown
P-15-008174	Building	Historic	Unknown	Unknown
P-15-008175	Building	Historic	Unknown	Unknown
P-15-009109	Other	Historic	Historic isolate; three fragments of jar	Unevaluated
P-15-0137238	Structure	Historic	Historic; Friant-Kern Canal	Appears eligible through survey evaluation

Tribal Outreach

A search of the NAHC SLF was completed on November 4, 2025. Based on the NAHC records, no sacred sites or traditional cultural places were identified within or adjacent to the study area (see Appendix B). Outreach letters and follow-up emails were sent to tribal organizations on the NAHC contact list. No responses have been received.

Methods and Results

A pedestrian survey was completed on December 23, 2025, by ASM Assistant Archaeologist Margarita Medina Lemus, BA. The study area is located within a lot in Northern Bakersfield, off of Rosedale Highway (Figure 1). The study area was examined by walking 15-meter transect intervals. Ground visibility was generally poor with much of the study area having been overgrown with grass. Patches of exposed ground with surface visibility were investigated, and no cultural materials were encountered during the survey.

Summary and Recommendations

No cultural resources were identified during the course of the Phase I cultural resources study of the Zone Change No. PP-ZC-24-0005 (APN: 368-060-32) Project. Based on the records search, Tribal knowledge, and other sources, the study area appears to have low potential to contain cultural resources. A determination of no significant impacts is anticipated for the Project. In the unlikely event that an unanticipated cultural resource discovery occurs during construction of the Project, it is recommended that a qualified archaeologist be contacted to evaluate the discovery.

Please feel free to contact us if you have any questions.

Sincerely,

Ashlee N. Younie, M.A., RPA
Senior Archaeologist

Dustin Merrick, M.A., RPA
Senior Archaeologist
661-823-7690
4800 Stockdale Hwy., Suite 405
Bakersfield, CA 93309

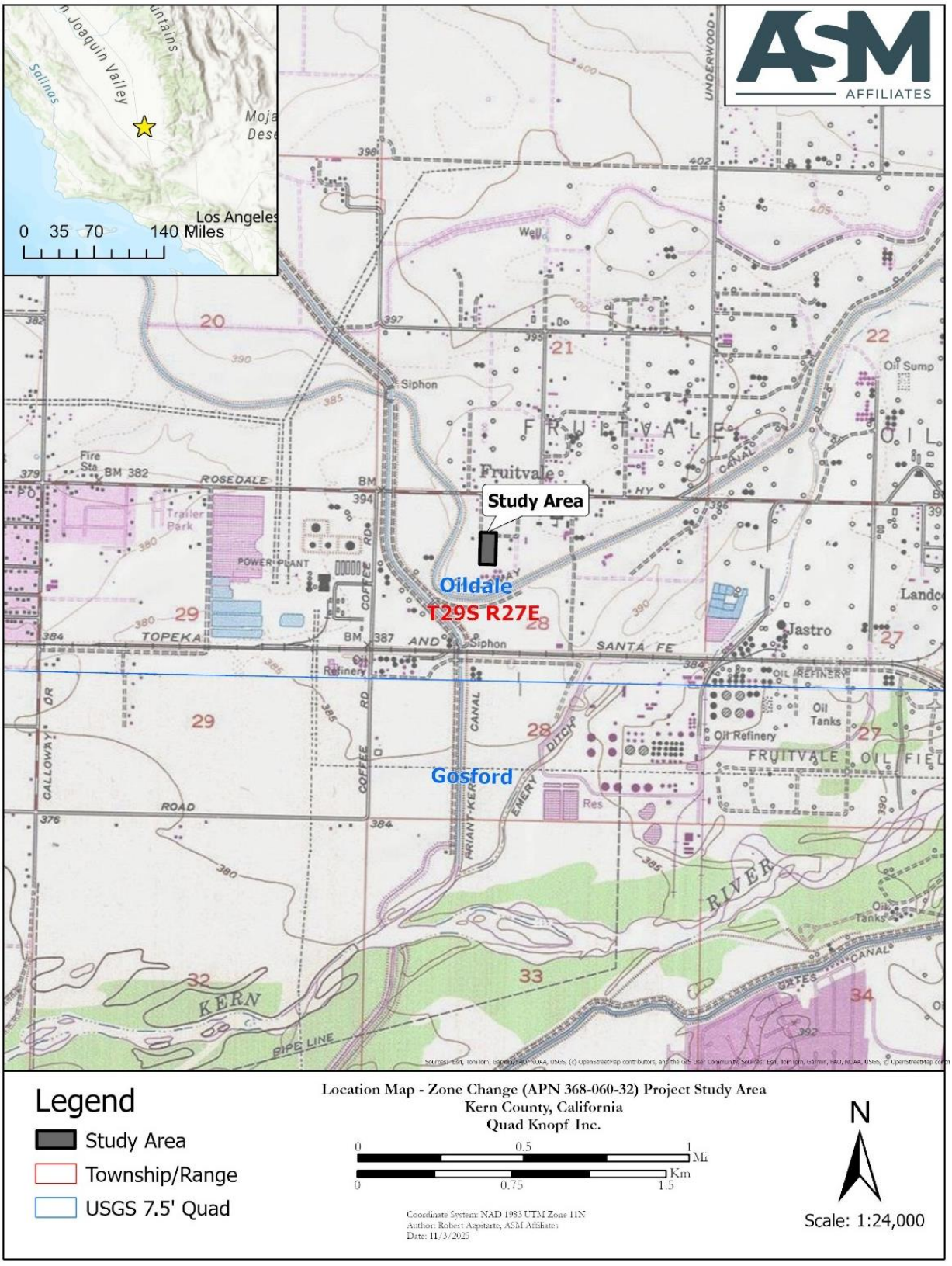

Figure 1. Location of the Zone Change No. PP-ZC-24-0005 (APN: 368-060-32) Study Area, Kern County, California.



Figure 2. Overview of study area, looking toward SE/S



Figure 3. Overview of powerline crossing study area, looking NE/E

Confidential Appendix A:

Record Search

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California Historical Resources Information System



Fresno
Inyo
Kern
Kings
Madera
Tulare

Southern San Joaquin Valley Information Center
California State University, Bakersfield
Mail Stop: 72 DOB
9001 Stockdale Highway
Bakersfield, California 93311-1022
(661) 654-2289
Email: ssjvic@csub.edu
Website: www.csub.edu/ssjvic

11/17/2025

Peter Carey
ASM Affiliates, Inc.
4800 Stockdale Highway, Suite 405
Bakersfield, CA 93309

Re: QK Zone Change (APN 368-060-32) Project
Records Search File No.: 25-466

The Southern San Joaquin Valley Information Center received your record search request for the project area referenced above, located on Gosford USGS 7.5' quad. The following reflects the results of the records search for the project area and the 0.5 mile radius:

As indicated on the data request form, the locations of resources and reports are provided in the following format: ☐ Custom GIS Maps ☒ GIS Data ☐ Hand Drawn Maps (Inyo County Only)

Resources within project area:	None
Resources within 0.5 mile radius:	P-15-000560, 003291, 007233, 008110, 008111, 008173, 008174, 008175, 009109, 013728
Reports within project area:	None
Reports within 0.5 mile radius:	KE-00814, 00866, 01062, 01169, 02323, 02396, 02807, 03778, 04250, 04311, 04448, 04547, 05088

Resource Database Printout (list): ☒ enclosed ☐ not requested ☐ nothing listed

Resource Database Printout (details): ☒ enclosed ☐ not requested ☐ nothing listed

Resource Digital Database Records: ☐ enclosed ☒ not requested ☐ nothing listed

Report Database Printout (list): ☒ enclosed ☐ not requested ☐ nothing listed

Report Database Printout (details): ☒ enclosed ☐ not requested ☐ nothing listed

Report Digital Database Records: ☐ enclosed ☒ not requested ☐ nothing listed

Resource Record Copies: ☒ enclosed ☐ not requested ☐ nothing listed

Report Copies: ☐ enclosed ☒ not requested ☐ nothing listed

OHP Built Environment Resources Directory: ☒ enclosed ☐ not requested ☐ nothing listed

Archaeological Determinations of Eligibility: ☐ enclosed ☐ not requested ☒ nothing listed

CA Inventory of Historic Resources (1976): ☐ enclosed ☐ not requested ☒ nothing listed

Caltrans Bridge Survey: Not available at SSJVIC; please see https://dot.ca.gov/programs/environmental-analysis/cultural-studies/california-historical-bridges-tunnels

Ethnographic Information: Not available at SSJVIC

Historical Literature: Not available at SSJVIC

Historical Maps: Not available at SSJVIC; please see http://historicalmaps.arcgis.com/usgs/

Local Inventories: Not available at SSJVIC

GLO and/or Rancho Plat Maps: Not available at SSJVIC; please see http://www.glorecords.blm.gov/search/default.aspx#searchTabIndex=0&searchByTypeIndex=1 and/or http://www.oac.cdlib.org/view?docId=hb8489p15p;developer=local;style=oac4;doc.view=items

Shipwreck Inventory: Not available at SSJVIC; please see https://www.slc.ca.gov/shipwrecks/

Soil Survey Maps: Not available at SSJVIC; please see http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

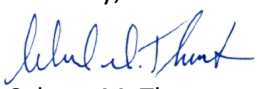
The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

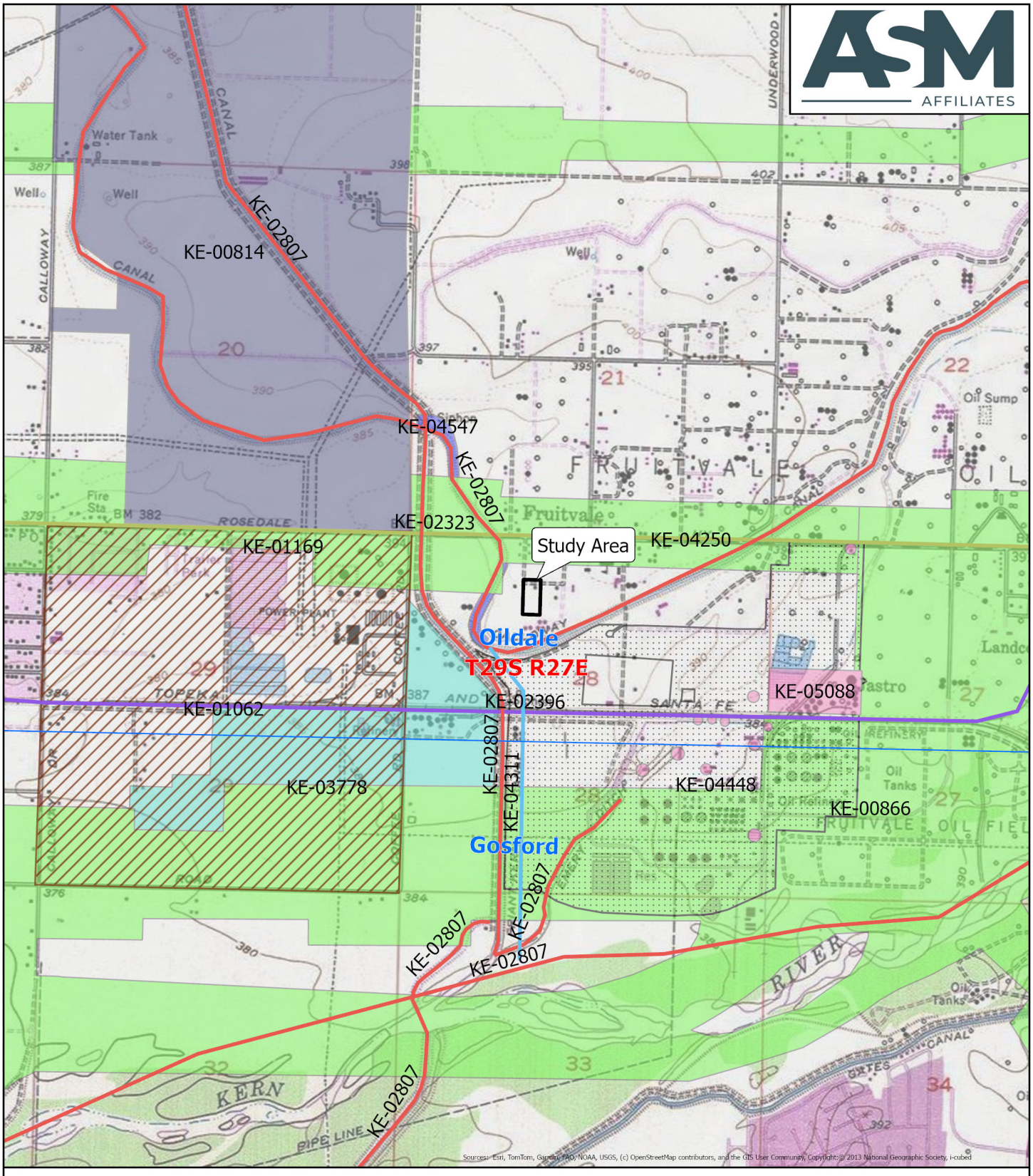
Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Invoices for Information Center services will be sent under separate cover from the California State University, Bakersfield Accounting Office.

Thank you for using the California Historical Resources Information System (CHRIS).

Sincerely,



Celeste M. Thomson
Coordinator



Legend

- Study Area
- Township/Range
- USGS 7.5' Quad

Previous Reports

- KE-02323
- KE-02396
- KE-02807
- KE-04311
- KE-01062
- KE-00814
- KE-00866
- KE-01169
- KE-03778
- KE-04250
- KE-04448
- KE-04547
- KE-05088

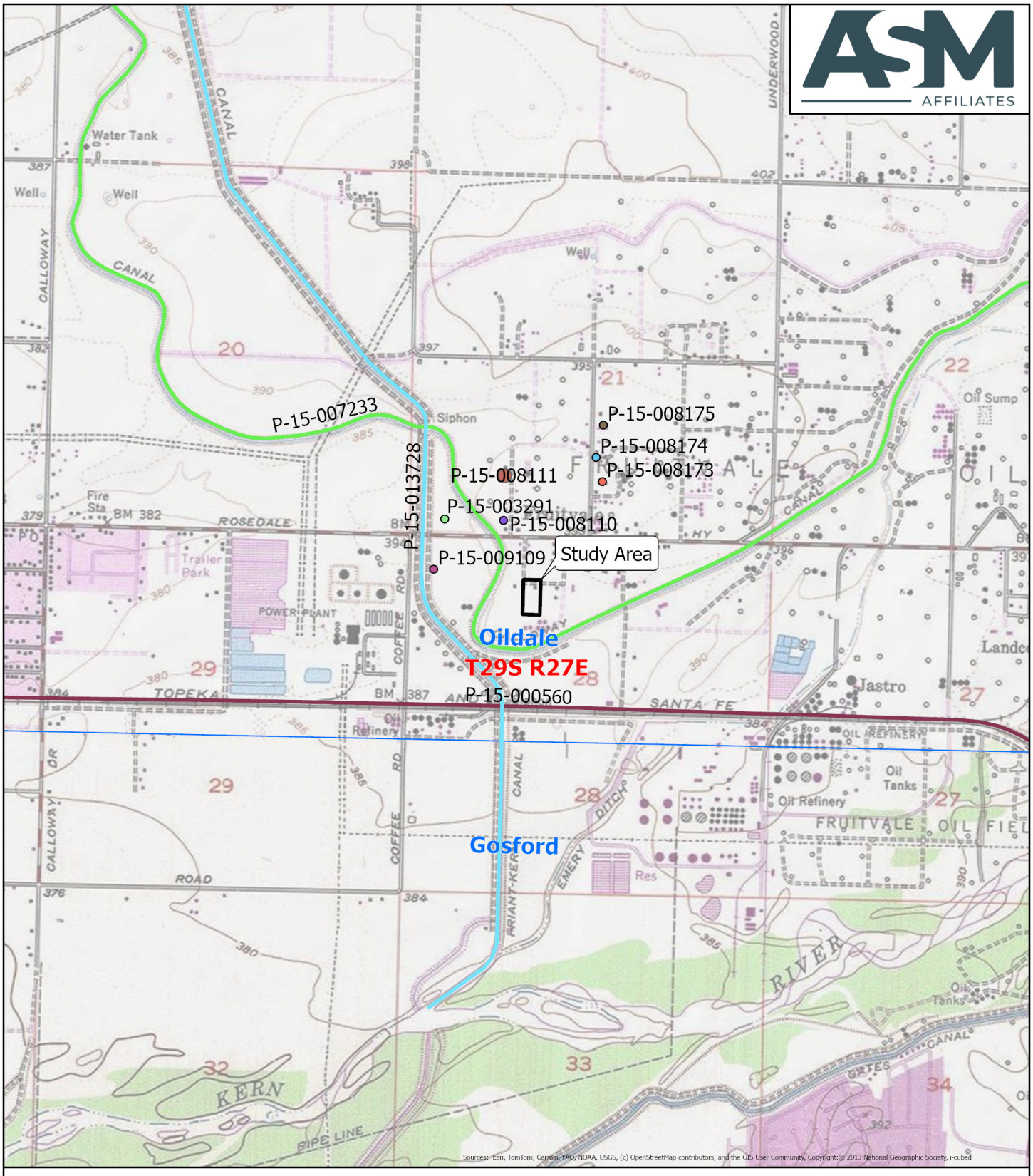
Previous Reports - Zone Change (APN 368-060-32) Project Study Area
Kern County, California
Quad Knopf Inc.

0 0.5 1 Mi
0 0.75 1.5 Km

Coordinate System: NAD 1983 UTM Zone 11N
Author: Robert Azpitarte, ASM Affiliates
Date: 11/17/2025

N

Scale: 1:24,000



Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Copyright:© 2013 National Geographic Society, i-cubed

Legend

- Study Area
- Township/Range
- USGS 7.5' Quad

Previously Recorded Resources

- P-15-003291
- P-15-008110
- P-15-008173
- P-15-008174
- P-15-008175
- P-15-009109
- P-15-000560
- P-15-007233
- P-15-013728
- P-15-008111

Previously Recorded Resources - Zone Change (APN 368-060-32) Project Study Area
Kern County, California
Quad Knopf Inc.

0 0.5 1 Mi
0 0.75 1.5 Km

N

Scale: 1:24,000

Coordinate System: NAD 1983 UTM Zone 11N
Author: Robert Azpitarte, ASM Affiliates
Date: 11/17/2025

Report List

SSJVIC Record Search 25-466

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
KE-00814	NADB-R - 1140483; Submitter - CRF-90-71	1990	Parr, Robert E.	Archaeological Assessment of the Riverlakes Ranch Specific Plan, City of Bakersfield, Kern County, California	Cultural Resource Facility, California State University, Bakersfield	15-009855
KE-00866	NADB-R - 1140517; Submitter - CRF-91-39	1992	Parr, Robert E. and Osborne, Richard	Archaeological Survey Report for the Proposed Route Adoption Study on Highway 58, Bakersfield, Kern County, California	Cultural Resource Facility, California State University, Bakersfield	15-002243, 15-002503, 15-002504, 15-002694, 15-002707, 15-002874, 15-003057, 15-003058, 15-003068, 15-003069, 15-003070, 15-003071, 15-003072, 15-003073, 15-003088, 15-003090, 15-003092, 15-003093, 15-003102, 15-003103, 15-003104, 15-003105, 15-003106, 15-003107, 15-003108, 15-003109, 15-003110, 15-003111, 15-003112, 15-003113, 15-003114, 15-003115, 15-003116, 15-003117, 15-003118, 15-003150, 15-003162, 15-003282, 15-003290, 15-003291
KE-01062		1978	Schiffman, Robert	Archaeological Report for Proposed Greenacre Park	Bakersfield College	
KE-01169		1991	Unknown	Ongoing Fieldwork for the Buena Vista Slough Near Lokern	California State University, Bakersfield	15-002243, 15-002503, 15-002504, 15-002694, 15-002707, 15-002874, 15-003057, 15-003058, 15-003068, 15-003069, 15-003070, 15-003071, 15-003072, 15-003073, 15-003088, 15-003090, 15-003092, 15-003093, 15-003102, 15-003103, 15-003104, 15-003105, 15-003106, 15-003107, 15-003108, 15-003109, 15-003110, 15-003111, 15-003112, 15-003113, 15-003114, 15-003115, 15-003116, 15-003117, 15-003118, 15-003150, 15-003162, 15-003282, 15-003290, 15-003291, 15-009033, 15-009034, 15-009035, 15-009044, 15-009045, 15-009046, 15-009049, 15-009109, 15-009316, 15-009317, 15-009788, 15-009789, 15-009861, 15-009862
KE-02323		1999	Demos-Petropoulous, Francine, McGowan, Dana, Scott, Barry, O'Brien, Teresa, Norton, Bill, and Rause, Wendy	Cultural Resources Inventory Report for the AT&T Corp. Cable Upgrade Project, Los Angeles, Kern, and San Luis Obispo Counties, California	Jones & Stokes Associates, Inc.	15-008766, 15-008767, 15-008768, 15-008769, 15-008772

Report List

SSJVIC Record Search 25-466

Report No.	Other IDs	Year	Author(s)	Title	Affiliation	Resources
KE-02396	Submitter - Project Number 27101	2000	Nelson, Wendy J.	Cultural Resource Survey for the Level (3) Communications Long Haul Fiber Optics Project: Segment WS04: Sacramento to Bakersfield	Far Western Anthropological Research Group, Inc.	15-003029
KE-02807	Caltrans - 06-KER-58-R35.4/R52.3; Submitter - Contract No. 06G171	1993	Herbert, Rand F.	Historic Resource Evaluation Report: Tier 1, Route Adoption on Route 58 Between I-5 and State Route 99	JRP Historical Consulting Services	
KE-03778		2007	Lloyd, Jay B.	Cultural Resources and Paleontological Survey for the West Village Project in Bakersfield, Kern County, California	Applied Earthworks, Inc.	15-012881
KE-04250	Caltrans - 6-Kern-58 PM 46.1 to PM 51.5 EA 06-0F360	2011	Ruby, Allika, Schiffman, Robert, Whitehouse, John, and Helton, Kirsten	State Route 58 Widening Project - Archaeological Survey Report, Kern County, California	Far Western Anthropological Research Group, Inc.	
KE-04250A		2011	Webb, Toni	Historic Property Survey Report for the State Route 58 Widening Project, Kern County, California	Caltrans	
KE-04311	Submitter - TG&S #101205	2012	Pruett, Catherine Lewis and Gold, Alan	A Cultural Resources Assessment for the Cross Valley Canal to Calloway Canal Intertie Project, Kern County, California	Three Girls and a Shovel, LLC.	
KE-04448		2013	Duke, Curt	Cultural Resources Assessment Alon Bakersfield Refinery Crude Flexibility Project Bakersfield, Kern County, California	Duke CRM	15-003072, 15-017554, 15-017555, 15-017556, 15-017557, 15-017558, 15-017559
KE-04547		2012	Leigh, Anastasia	National Historic Preservation Act (NHPA) Section 106 Compliance for the Cawelo Water District (CWD) Calloway Canal Lining Project, Kern County, California	Bureau of Reclamation	
KE-05088	IC Record Search Nbr - 19-068	2019	Hudlow, Scott	A Phase I Cultural Resource Survet for Alon Refinery, Five New Injection Wells Bakersfield, Kern County, California	Hudlow Cultural Resource Associates	15-017554, 15-017557, 15-020027, 15-020028, 15-020029, 15-020030, 15-020031, 15-020032, 15-020033, 15-020034, 15-020035

Resource List

SSJVIC Record Search 25-466

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-15-000560	CA-KER-000560H	Resource Name - Atchison, Topeka, & Santa Fe Railroad; Other - AT&SF Railroad; EAFB - 1; OHP Property Number - 110736; OTIS Resource Number - 503612	Structure, Site	Historic	AH02; AH04; AH07; HP11	1977 (Sutton/Temblay, Unknown); 1980 (Unknown, Greenwood and Associates); 1988 (Patrick Haynal, Frnak Ritz, Diane Adams, William Manley, RECON); 1993 (M. Macko, Macko Archaeological Consulting); 1993 (Unknown, JRP Historical Consulting); 1994 (T. Wahoff, P. Eisentraut, Dames & Moore); 1994 (Lawrence McGetrick and Cristopher Onzol, Computer Sciences Corporation); 1995 (William Hayden, Neil Rhodes, and Gina Zanelli, Macko Archaeogical Consulting); 1995 (K. Lark, T. de la Garza, L. Wear, R. Bock, M. Pittman, L. Ramirez, M. Ryan, B. Woods, M Hangan, A Ja, Computer Sciences Corporation); 1996 (Marcia Kimball, Sarah Cunkelman, Bureau of Land Management); 1998 (T. O'Brien, Jones and Stokes); 1998 (T. O'Brien, Jones and Stokes); 2000 (Dr. J. Underwood, KEA Environmental); 2001 (Jeffrey R. Wedding, Harry Reid Center for Environmental Studies); 2007 (H. Puckett, Tetra Tech); 2009 (Steven J. Melvin, Rebecca Flores, JRP Historical Cosnulting, LLC); 2009 (Polly Allen, JRP Historical Consulting, LLC); 2013 (R. Kellawan, D. Martinez, L. Daub, D. Mike, Far Western); 2019 (Alexandra Madsen, Rincon Consultants); 2022 (R. Azpitarte, ASM Affiliates,	KE-00101, KE-00182, KE-00191, KE-00209, KE-00243, KE-00283, KE-00374, KE-00548, KE-00633, KE-01184, KE-01993, KE-04476, KE-05450, KE-05457, KE-05506

Resource List

SSJVIC Record Search 25-466

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
						Inc.); 2023 (Kaitlin Harstine, Jeanine Hoy, Yessenia Peralta, and Luke Burnor, Statistical Research)	
P-15-003291	CA-KER-003291H	Resource Name - AH 2	Site	Historic	AH04	1991 (Peggy Murphy, Shannon Harris, Wendy Stevens, Cultural Resource Facility, California State University, Bakersfield)	KE-00866, KE-01169
P-15-007233		Resource Name - Calloway Canal; Resource Name - JKE-022; OTIS Resource Number - 503607; OHP Property Number - 110729	Structure	Historic	HP20	1996 (Clarence Caesar); 2009 (Steven J. Melvin, Rebecca Flores, JRP Historical Consulting, LLC.); 2009 (Polly S. Allen, Toni Webb, JRP Historical Consulting, LLC.); 2016 (Jennifer Gorman, ASM Affiliates, Inc.)	KE-05044
P-15-008110		OHP Property Number - 110537; OTIS Resource Number - 503449	Building	Historic	HP06	1997	
P-15-008111		OHP Property Number - 110538; OTIS Resource Number - 503450	Building	Historic	HP02	1997	
P-15-008173		OHP Property Number - 110540; OTIS Resource Number - 503452	Building	Historic	HP02	1997	
P-15-008174		OHP Property Number - 110539; OTIS Resource Number - 503451	Building	Historic	HP02	1997	
P-15-008175		OHP Property Number - 110545; OTIS Resource Number - 503457	Building	Historic	HP31	1997	
P-15-009109		IC Informal - IF-KER-765H	Other	Historic	AH04	1991 (Peggy Murphy, Shannon Harris, Wendy Stevens, Cultural Resource Facility, California State University, Bakersfield)	KE-01169
P-15-013728	CA-KER-007704H	Other - JKE-023; Resource Name - Friant-Kern Canal; OHP Property Number - 163703; OTIS Resource Number - 534628	Structure	Historic	HP20	1995 (Carrie Wills, Allen Estes, William Self Associates); 2009 (Steven J. Melvin, Rebecca Flores, JRP Historical Consulting, LLC.); 2016 (Jennifer Gorman, ASM Affiliates, Inc.)	KE-05044

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

UPDATE

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H
NRHP Status Code
Other Listings
Review Code _____ Reviewer _____ Date _____

Page 1 **of** 7 ***Resource Name or #** (Assigned by recorder): _____

P1. Other Identifier: Southern Pacific (later AT&SF) Mojave to Barstow railroad alignment

***P2. Location:** ■ **Not for Publication** ☐ **Unrestricted**

***a. County** Kern **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)

***b. USGS 7.5' Quad** Bissel. **Date** 1973 **T** 10N ; **R** 11W ; S **1/2 of** _____ of **Sec** 6 ; S.B. **B.M.**

c. Address _____ City _____ Zip _____

d. UTM (Give more than one for large and/or linear resources): Zone 11 , 399950 mE/ 3872595 mN (west) and 401566 mE/ 3871673 mN (east)

e. Other Locational Data (e.g., parcel #, directions to resource, elevation, decimal degrees, etc., as appropriate):
From the intersection of Silver Queen Road and Mojave Blvd., head south along Mojave Blvd. The site continues south from this point.

***P3a. Description** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries): CA-KER-560H/ P-15-000560 is a portion of the original Southern Pacific (also AT&SF) Mojave to Barstow railroad alignment constructed in 1882. SRI recorded a 1.86 km (1.16 mile) section CA-KER-560H/ P-15-000560. The portion of the line recorded consists of an earthen and rock berm with rhyolite gravel ballast on the railroad grade and two associated features, a wood-lined culvert (5021) and a concrete structure that may have been part of a signal box (1567).



***P3b. Resource Attributes** (List attributes and codes): AH7 Roads/trails/railroad grades

***P4. Resources Present:**
☐ Building ☐ Structure ☐ Object
■ Site ☐ District ☐ Element of District
☐ Other (Isolates, etc.) _____

P5b. Description of Photo (view, date, accession #): Railroad grade and signal box, looking southeast. 5/25/2023

***P6. Date Constructed/Age and Source:**
■ Historic ☐ Prehistoric ☐ Both

***P7. Owner and Address:**
Private Owner

***P8. Recorded by** (Name, affiliation, and address): Kaitlin Harstine, Jeanine Hoy, Yessenia Peralta, and Luke Burnor

Statistical Research, P.O. Box 390 Redlands, California 92373..

***P9. Date Recorded:** 5/25/2023

***P10. Survey Type** (Describe): Pedestrian survey and subsurface testing

***P11. Report Citation** (Cite survey report and other sources, or enter "none."): Blumel, Wendy and Mark Q Sutton. 2023 Supplemental Cultural Resources Inventory and Evaluation Report for the Enterprise Solar Project, Kern County, California. Prepared for Terra-Gen Development Corporation, San Diego California.

***Attachments:** ☐ NONE ■ Location Map ■ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ■ Other (List): sketch map

Background

CA-KER-560H/ P-15-000560 (SRI-1561) is a portion of the original Southern Pacific (later AT&SF) Mojave to Barstow railroad alignment constructed in 1882. This line ran from the community of Mojave eastward through Muroc (located on Rogers Lake on Edwards AFB), to Kramer, Hinkley, Daggett, and eventually Barstow. Although this section of the Mojave to Barstow line was rerouted to the north in 1953, the portion of the alignment recorded represents the original alignment constructed in 1882. Different sections of both the current 1953 alignment and the abandoned 1882 alignment have previously been determined eligible for the NRHP and CRHR by the BLM and Edwards AFB (Puckett et al. 2008). In 2023, Jacobs recorded and evaluated a small portion of the original alignment that is adjacent to the section recorded by SRI (Choi and Price 2023). The section recorded by Jacobs contains a berm and ballast with the rails and ties removed. Jacobs evaluated this portion for the CRHR and recommended it not eligible for the CRHR due to poor integrity (Choi and Price 2023).

SRI Update

SRI recorded a 1.86 km (1.16 mile) section of CA-KER-560H/ P-15-000560 that runs northwest-southeast from the current railroad alignment to the northwest towards Edwards Air Force Base in the southeast. This section has not been previously recorded or evaluated for the CRHR. The portion of the line recorded by SRI consists of an earthen and rock berm with rhyolite gravel ballast on the railroad grade. The berm levels out to ground level as it moves to the southeast. This section no longer contains the rails or ties, which were likely removed when the railroad was realigned to the north in 1953. Two features and seven railroad spikes were found along this section of the railroad and are associated with the railroad alignment. The two features include a wood-lined culvert (5021) and a concrete structure that may have been part of a signal box (1567). These are discussed in greater detail below.

Feature 5021 is a culvert that runs through the railroad berm. The culvert is constructed with milled wood beams that form retaining walls and a 6-inch-thick supporting beam. The aperture of the culvert measures 5.2 ft. in length by 4-ft. wide, the height is unknown as a large portion of the culvert is buried. The culvert is largely filled with soil and vegetation and only a small portion remains open.

Feature 1567 is a small concrete structure that likely once contained a railroad signal. The structure contains two sections, an open concrete box with the top missing in the east and a concrete block with a pipe and four bolts sticking up from the top in the west. The two are connected by a metal pipe or conduit. A piece of milled lumber is embedded in the ground next to the eastern box and another piece of milled lumber is bolted to the interior of the box. The easternmost box measures 39 inches long by 23 inches wide by 10 inches high. The westernmost measures 15 inches long by 16 inches wide by 12 inches high. The signal or sign that was once present is gone and plants have grown up within the open concrete box. The feature is surrounded by gravel sized fragments of rhyolite, likely displaced railroad ballast.

CRHR Evaluation

CA-KER-560H/ P-15-000560 (SRI-1561) is a portion of the original Southern Pacific (later AT&SF) Mojave to Barstow railroad alignment constructed in 1882 (later the AT& SF line). Different sections of both the current 1953 alignment and the abandoned 1882 alignment have previously been determined eligible for the NRHP and CRHR under NRHP Criterion A and CRHR Criterion 1 for its association with the settlement of the Antelope Valley (Puckett et al. 2008).

SRI recorded a 1.86-km (1.55 mile) portion of the railroad alignment. The section recorded contains a berm with rhyolitic gravel ballast. It no longer contains rails or ties, which were likely removed when the railroad was realigned to the north in 1953. SRI also recorded two features and seven loose railroad spikes along this section of the railroad. The two features are a wood-lined culvert and a concrete structure that may have been part of a signal box. The culvert is largely filled with soil and vegetation. The signal box consists of the remains of two concrete boxes and a couple conduit pipes. The signal or sign that was once present is gone and plants have grown up within the feature. Given this, the portion of the railroad alignment within the project area and the two associated features have been altered to the degree that they no longer retain their original function, setting, design, feeling, or materials. As such, they do not retain enough integrity to convey their significance under any CRHR criteria. Thus, this portion of P-15-000560 is recommended not eligible for the CRHR due to poor integrity.

References

Choi, Sun Min and Heather Price
2023. Supplemental Cultural Resource Memorandum for the Enterprise Solar Storage Project. Prepared for Enterprise Solar Storage, LLC. San Diego, California.

Puckett, Heather R., and Paige M. Peyton
2008. Theme Study, Inventory and Evaluation for Various Historic Period Site Types, Edwards Air Force Base, California. Contributions by Harriot Spinney, and Mari A. Pritchard Parker. U.S. Army Corps of Engineers Contract DACA05- 01-D-0005, Task Order 0104; Edwards AFB File No. THEME7/2006-L. On file at the Air Force Flight Test Center, Base Historic Preservation Office, Edwards Air Force Base, California.

Photographs



Railroad berm and ballast



Feature 1567



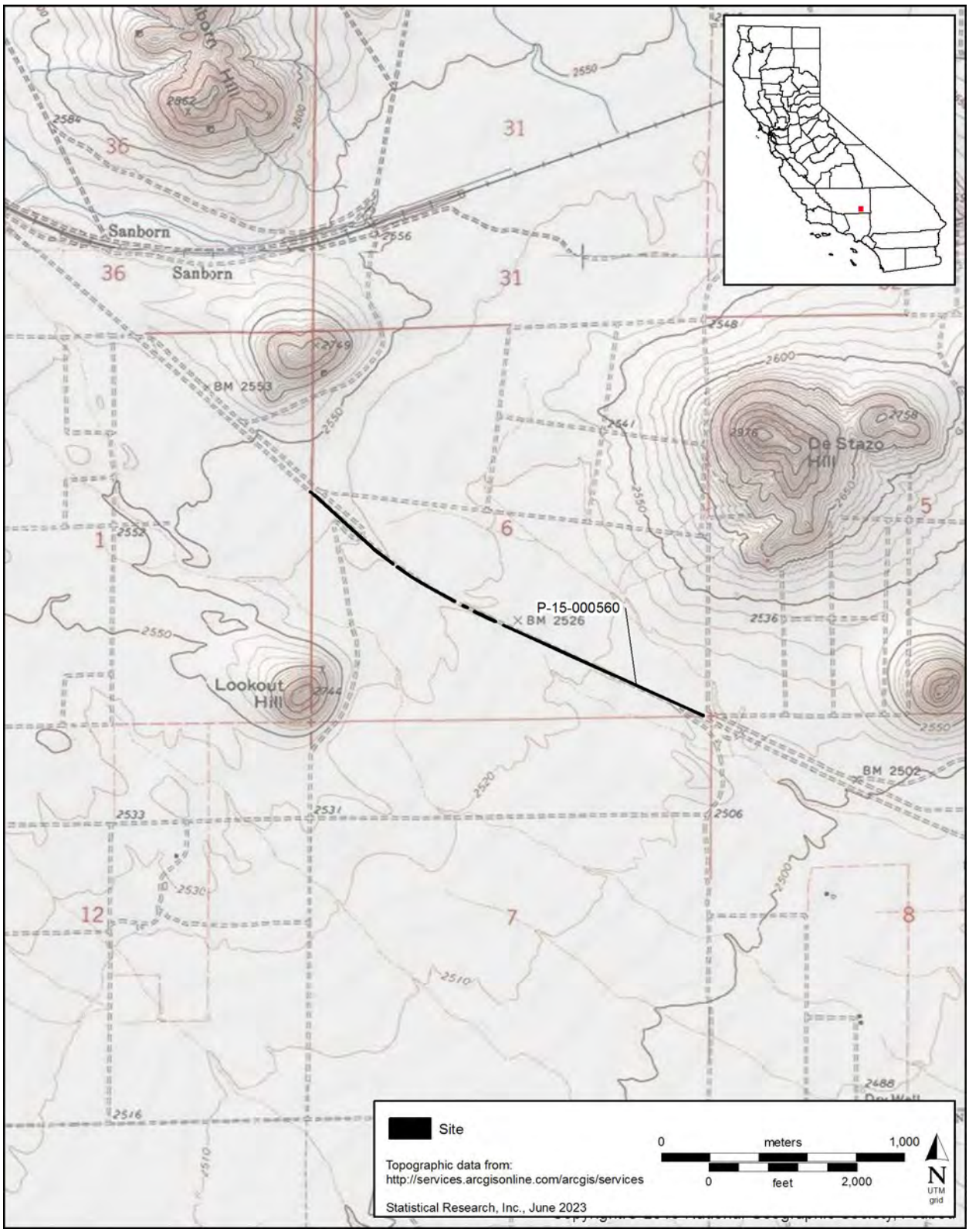
Feature 5021

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP UPDATE

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H

 ***Resource Name or #:** (Assigned by recorder)

***Map Name:** Bissel 7.5' USGS topographic map ***Scale:** 1:24,000 ***Date of map:** 1973

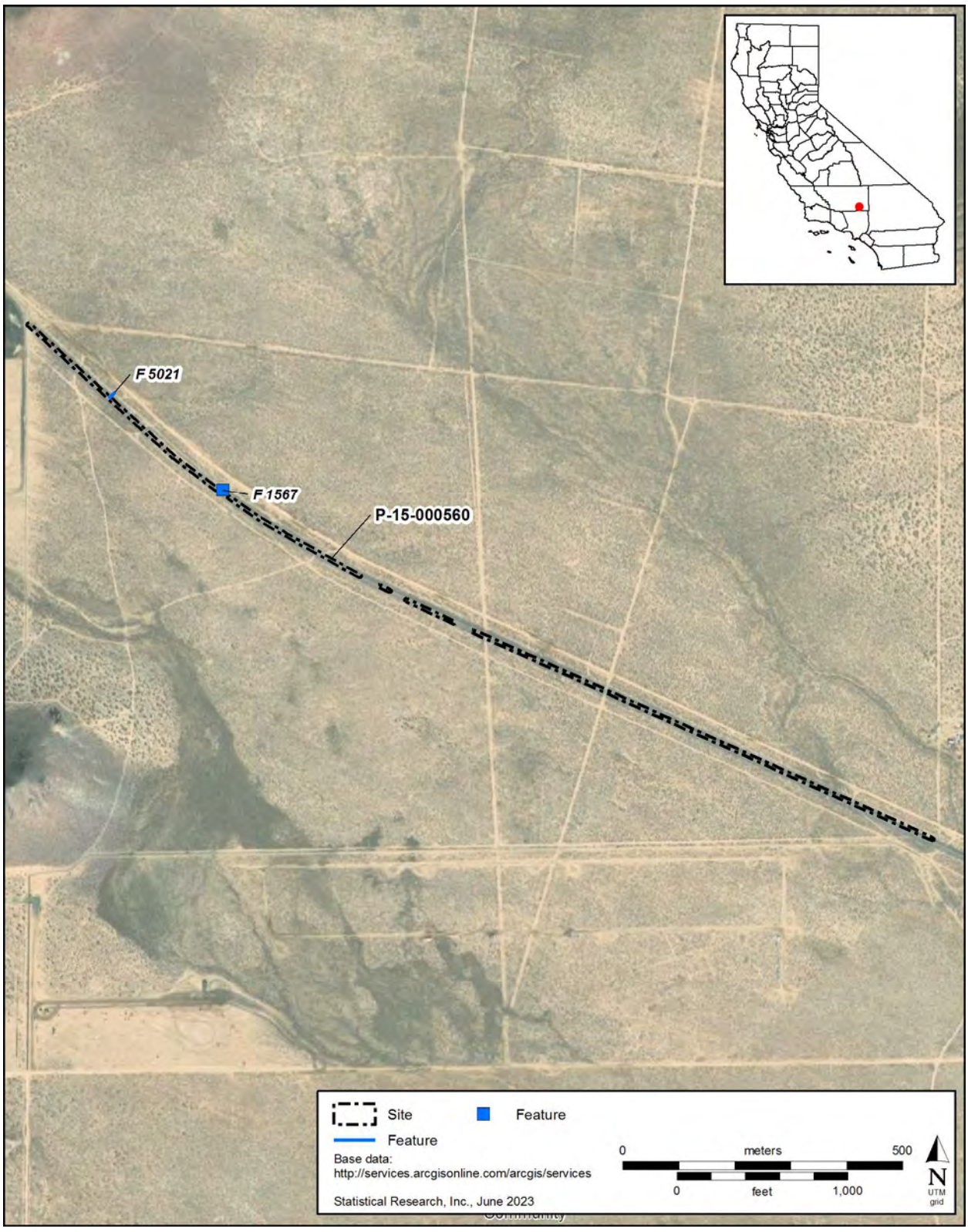


State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
SKETCH MAP UPDATE

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H

Page 7 **of** 7 ***Resource Name or #:** (Assigned by recorder)

***Drawn by:** S. Norris ***Date of map:** June 2023



DPR 523K (Rev. 1/1995) (Word 9/2013) **NOTE: Include bar scale and north arrow.**

UPDATE

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H

***Resource Name or #:** P-15-000560 UPDATE
Recorded by: R. Azpitarte
Date: 4/7/2022
☐ Continuation ■ Update

P1. **Other Identifier:** Atchinson, Topeka & Santa Fe Railroad
P2. **Location:** ■ **Not for Publication** ☐ **Unrestricted**
- **a.** **County:** Kern
- **b.** **USGS 7.5' Quad:** Mojave 7.5' Date**:** 1983 **T11N**; **R12W**; NE¼ and SE¼ **of** Sec 21; M.D.B.M.
- **c.** **Address**: n/a
- **d.** **UTM**: **Zone** 11N**,** 395145mE /3876900mN *All GPS data collected with Trimble GEOXH 2005 Series in NAD 83.*
- **e.** **Other Locational Data**: n/a

P3a. **Description:** The resource is a short segment of the Atchinson, Topeka & Santa Fe Railroad located less than 2-miles southeast of Mojave, California. The recorded segment measures 145-ft in length and is situated at an elevation of 2,660-ft amsl.

Segments of the resource were first recorded in 1977 (Sutton and Trambly) with additional segments of the rail line visited since and most recently in 2013 (Far Western). The resource remains as last described in previous records for immediately adjacent sections. No historic debris or features were noted along the investigated portion.

P3b. **Resource Attributes:** AH7. Railroad Grade

P4. **Resources Present:** ☐ Building ■ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. **Photograph or Drawing:**



P5b. Description of Photo: NW overview of rail grade segment.

P6. Date Constructed/Age and Source:
■ Historic ☐ Prehistoric ☐ Both

P7. Owner and Address: N/A

P8. Recorded by:
R. Azpitarte
ASM Affiliates, Inc.
20424 West Valley Blvd, Suite A
Tehachapi, CA 93561

P9. Date Recorded: 4/7/2022

P10. Survey Type:
Phase 1 Survey/ Phase II Excavation

P11. **Report Citation:** Peter A. Carey, M.A., RPA, D.S. Whitley, Ph.D., RPA, and R. Azpitarte, B.A. (2022) PHASE I SURVEY AND PHASE II TEST EXCAVATION/ DETERMINATION OF SIGNIFICANCE, TNRE ORGANICS RENEWABLE ENERGY FACILITY, KERN COUNTY, CALIFORNIA

Attachments: ☐ NONE ■ Location Map ■Sketch Map ■ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

UPDATE

State of California – The Resources Agency
DEPARTMENT OF PARKS AND
LINEAR FEATURE RECORD SHEET

Primary # __ **P-15-000560**_____
HRI # _____
Trinomial _**CA-KER-560H**_____

Recorded by: R. Azpitarte
☐ Continuation ■ Update

***Resource Name or #:** P-15-000560 UPDATE
Date: 4/7/2022

L1. **Historic and/or Common Name:** Atchinson, Topeka & Santa Fe Railroad

L2a. **Portion Described:** □ Entire Resource ■ Segment □ Point Observation Designation: P-15-000560 UPDATE

b. **Location of point or segment:** Zone 11N, 395145mE /3876900mN

L3. **Description:** The resource remains as last described in previous records. No historic debris or features were noted along the investigated portion. No historic artifacts or features were identified on or near the resource.

L4. **Dimensions:** (In feet for historic features and meters for prehistoric features)

a. **Top Width:** ~5-ft
b. **Bottom Width:** ~10-ft
c. **Height or Depth:** ~3-ft
d. **Length of Segment:** 145-ft (NW-SE)

L5. **Associated Resources:** P-15-003530/CA-KER-3530H (Atchinson, Topeka & Santa Fe Railroad Access Road); P-15-017333 (utility line)

L6. **Setting:** The investigated rail grade section is situated on open flats and is located less than 2-miles southeast of Mojave, California

L7. **Integrity Considerations:** Although the Atchinson, Topeka & Santa Fe Railroad segment recorded during the survey is still in operation, it has been altered significantly since first constructed. Alterations include milled wooden crossbeams, upgraded steel rail ties, and an improved ballast grade base. The Atchinson, Topeka & Santa Fe Railroad segment thus lack integrity of design, materials, workmanship and feeling.

L9. Remarks: n/a

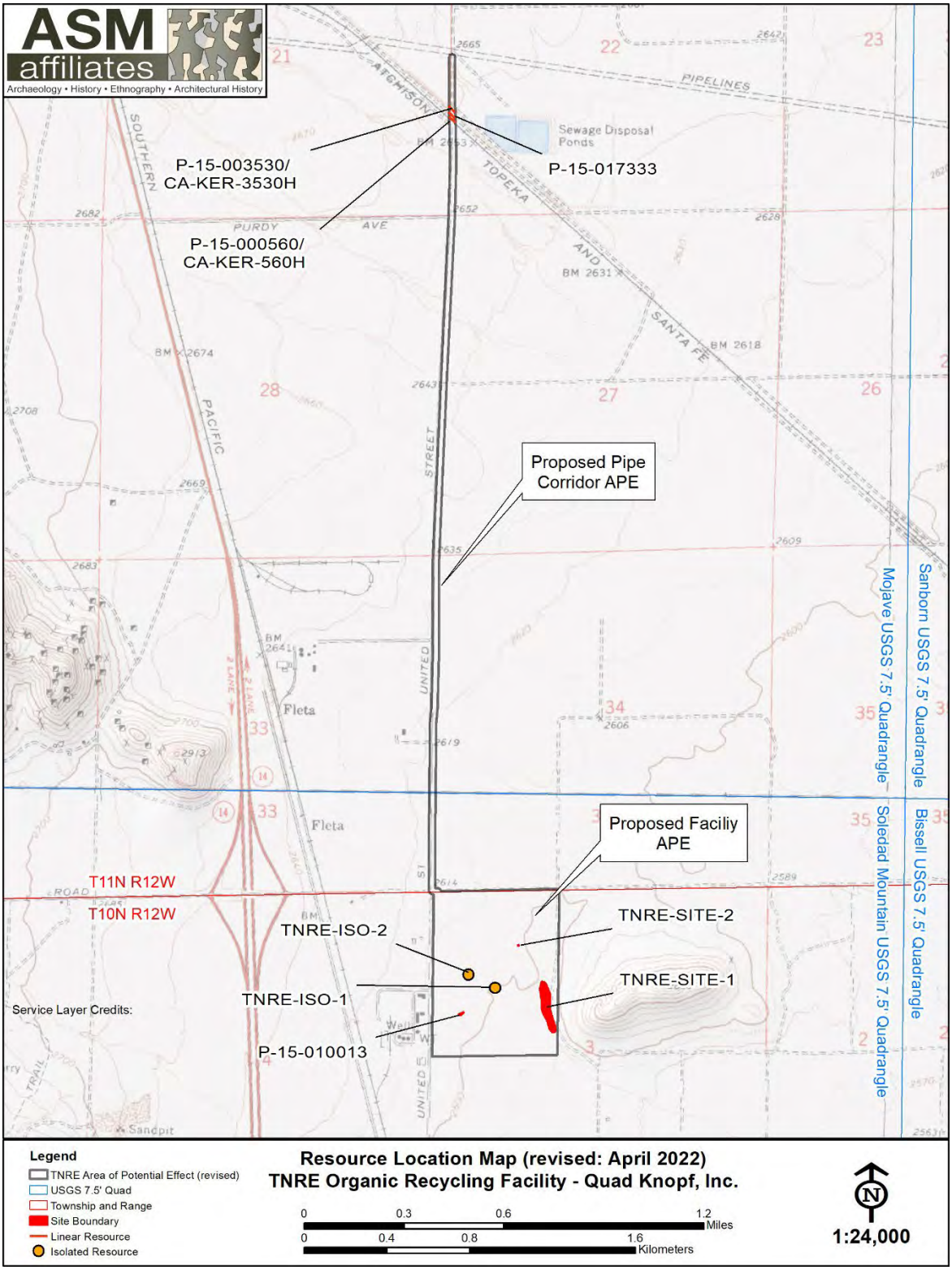
L10. **Form Prepared by:** R. Azpitarte, ASM Affiliates Inc., 20424 W. Valley Blvd., Suite A, Tehachapi CA, 93561

UPDATE

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # __ P-15-000560_____
HRI # _____
Trinomial CA-KER-560H

Resource Name or #: P-15-000560 UPDATE
Map Name: Mojave; Soledad Mountain USGS 7.5' Quad **Scale:** 1:24,000 **Date of map:** 1983



*Required information

UPDATE

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
SKETCH MAP

Primary # __ P-15-000560_____
HRI # _____
Trinomial _CA-KER-560H_____

Drawn by: R. Azpitarte

Resource Name or #: P-15-000560 UPDATE
Date of map: 2022



*Required information

*Recorded by: Alexandra Madsen, Rincon Consultants *Date: October 31, 2019 ☐ Continuation ■ Update

The Atchison, Topeka & Santa Fe Railroad was built in 1882-1883 as the Barstow Southern Pacific Railroad line. It was purchased in 1884 by the Atchison, Topeka, and Santa Fe Railroad and in operation until 1953. The subject project bisects the resource just south of Mojave, California at three points between Mojave Barstow Highway to the north and E. Silver Queen Road to the south. The project runs parallel to the resource from approximately Decatur Avenue and E. Silver Queen Road. Over the last 40 years, professionals have recorded and studied various segments of the resource. The below studies refer to the resource as a whole or, where specified, the subject segment studied for this project.

The railroad was first recorded in 1977 by Sutton and Tremblay. The site was described as an "old railroad bed and associated trash along the bed" (Sutton and Tremblay 1977). The resource's significance was first mentioned in 1980, when Greenwood and McIntyre determined that the railroad had "figured heavily in the development of the Antelope Valley and was the initial reason for the existence of the townsites on Edwards Air Force Base property." Many of the early studies were focused on the Edwards Air Force Base, which is situated nearby.

The resource was first found eligible for listing at the national level by Wedding of the Harry Reid Center for Environmental Studies at the University of Nevada, Las Vegas in 2001. Wedding specifically recorded a segment of the resource at its intersection with a pipeline crossing north of the Edwards Air Force Base. Wedding states that if "possessing integrity of location, the site is eligible under Criterion A. Like the other roads and railways of the region, the site is a monument to early travel in the West, and is association with an event (railroad construction) that has made a significance contribution (development of transportation allowing western expansion) to the broad pattern of our nation's history" (Wedding 2001). In 2007, the segment of the resource near Edwards Air Force Base was again evaluated by Puckett of Tetra Tech, Inc. Puckett recommended this segment of the resource eligible for inclusion in the NRHP pursuant to Criteria A and D. It was given the OHP status code of 3B. In 2007, the resource was again evaluated by Puckett of Tetra Tech, Inc. Puckett recommended the grade eligible for inclusion in the NRHP pursuant to Criteria A and D. It was given the OHP status code of 3B.

The current survey update of the resource was conducted in October 2019 as part of the Cultural Resource Assessment Report for the Bellfield Solar Project, Kern County, California. The segment of the Atchison, Topeka & Santa Fe Railroad within the current project area spans approximately 61.79 meters. This segment was specifically studied in four reports completed between 1993 and 2013: Macko Archaeological Consulting (1993), KEA Environmental, Inc. (2000), JRP Historical Consulting, LLC (2009), and Far Western (2013). In 2000, Underwood of KEA Environmental, Inc. noted that "no features with historic integrity were encountered in [the] railroad segment" at the point it intersected with the project (Underwood 2000). In 2009, Allen of JRP Historical Consulting, LLC, cited a 1993 evaluation by JRP Historical Consulting, LLC that determined neither the Santa Fe Railroad nor Minkler Spur appeared ineligible for the NRHP because of a lack of integrity. In 2009, Allen upheld a determination of ineligibility for the railroad and further stated that the property did not appear to be eligible for listing on the California Register of Historical Resources (CRHR) or to be a historical resource for the purposes of the California Environmental Quality Act (CEQA).The current study confirms that the rail lines have been removed and the segment does not retain sufficient integrity to be eligible for the CRHR.

*Recorded by: Alexandra Madsen, Rincon Consultants *Date: October 31, 2019 ☐ Continuation ■ Update



Overview of Atchison, Topeka & Santa Fe Railroad

References:

Allen, Polly. 2009 . California DPR 523 Series Form for CA-KER-560H. Historical Resources Evaluation Report, Rosedale Highway Widening Project, Kern County, California. JRP Historical Consulting, LLC.

Greenwood, Roberta S. and Michael J. McIntyre. 1980. Cultural Resources Overview for Edwards Air Force Base. Greenwood and Associates.

Hayden, William, Neil Rhodes, and Gina Zanelli. 1995. Archaeological Site Record for CA-KER-560H. Macko Archaeological Consulting.

Haynal, Patrick, Frank Ritz, Diane Adams, William Manley. 1988. Archaeological Site Record for CA-KER-560. *Edwards AFB, Main Base Survey (R-1755B).* Recon. On file with San Joaquin Archaeological Information Center, California State University, Bakersfield, California.

JPR Consulting. 1993. Railroad Feature Inventory Forms. Highway 58 Route Adoption Study, Tier 1 EIS/R.

Kellawan, R., D. Martinez, L. Daub, and D. Mike. 2013. California DPR 523 Series Form for CA-KER-560H. Courtney Higgins, Rebecca Kellawar, Daron Duke, and Thomas Lucas. 2013. Cultural Resources Inventory of Approximately 5,300 Acres for PG&E Pipelines 300A and B. San Bernardino and Kern Counties California. Far Western.

Lark, K., T. de la Garza, L. Weark, R. Bock, M. Pittman, L. Ramirez, M. Ryan, B. Woods, M. Hangan, A. Jackson, and S. White. 1995. Archaeological Site Record for CA-KER-560H. *Phase I Cultural Resources Inventory*. Computer Sciences Corporation.

Macko, Michael E. 1993. Archaeological Site Record for CA-KER-560H. Macko Archaeological Consulting. Report on file at AFFTC/EM, Edwards AFB, California.

Macko, Michael E., David D. Earle, and Paul E. Langenwelter. 1993. National Register Eligibility Determination for Historic Resources along the Proposed AT&T Lightguide System, Victorville to Bakersfield, California. Macko Archaeological Consulting. Report on Fire at AFFTC/EM, Edwards AFB, California.

McGetrick, Lawrence and Christopher Onzol. 1994. Archaeological Site Record for CA-KER-560H. Computer Sciences Corp. On file with San Joaquin Archaeological Information Center, California State University, Bakersfield, California.

Melvin, Steven J. and Rebecca Flores. 2009. California DPR 523 Series Form for CA-KER-560H. Leach-Palm et al. 2010. *Cultural Resources Inventory of CalTrans Districts 9 Rural Conventional Highways in Inyo and Mono Counties.* JRP Historical Consulting, LLC. Submitted to Caltrans District 9, Bishop, CA.

O'Brien, T. 1998. California DPR 523 Series Form for CA-KER-560H. Cultural Resources Inventory Report for the AT&T Corp. Cable Upgrade Project, Los Angeles, Kern and San Luis Obispo Counties, California. Jones & Stokes Associates, Inc.

Oregon State Historic Preservation Office. 2013. Guidance for Recording and Evaluating Linear Cultural Resources. Accessed 24 October 2019. Available at https://www.oregon.gov/oprd/HCD/SHPO/docs/ORLinearResourcesGuidancev2.pdf

*Recorded by: Alexandra Madsen, Rincon Consultants *Date: October 31, 2019 ☐ Continuation ■ Update

References:

Puckett, H. 2007. Update for EAFB Cultural Resources: CA-KER-560H. Tetra Tech, Inc.

Sutton, Mark and Tremblay. 1977. Archaeological Site Record for CA-KER-560H. On file with San Joaquin Archaeological Information Center, California State University, Bakersfield, California.

Underwood, J. 2000. California DPR 523 Series Form for CA-KER-560H. Cultural Resources Survey of the All American Pipeline Conversion Project from Mettler, Kern County, California to Daggett, San Bernardino County, California. KEA Environmental, Inc.

Wahoff, T. and P. Eisentraut. 1994. Archaeological Site Record for CA-KER-560H.

Wedding, Jeffrey R. 2001. Primary Record for CA-KER-560H. Harry Reid Center for Environmental Studies, University of Nevada, Las Vegas.

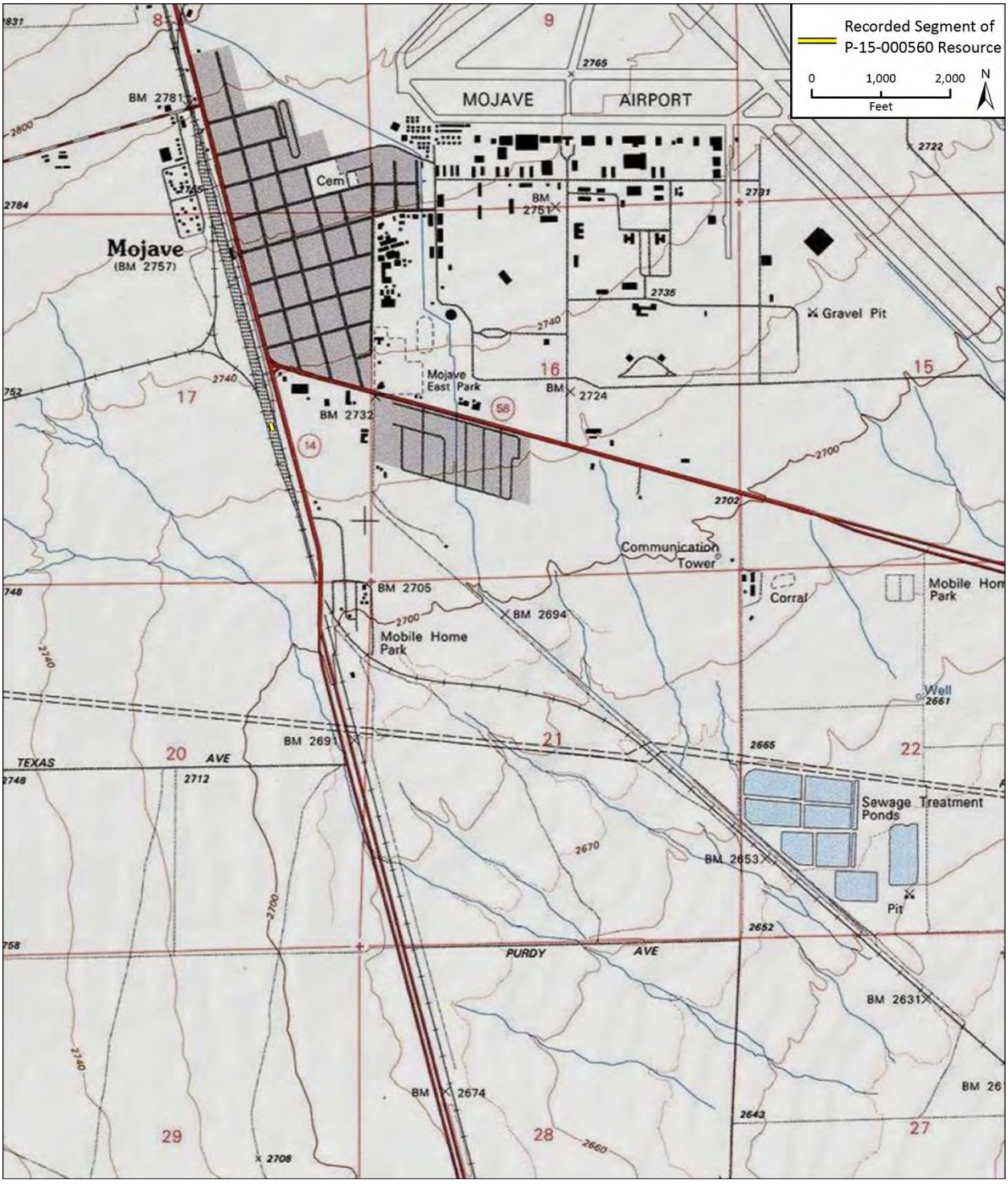
UPDATE

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # **15-000560 Update**
HRI #
Trinomial **CA-KER-560H Update**

Page 4 **of** 4 ***Resource Name or #:** Atchison, Topeka & Santa Fe Railroad (Update)
*Map Name: *Mojave* *Scale: 1:24,000 *Date of Map: 1992



DPR 523J (1/95) *Required information

UPDATE

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # P-15-000560 (UPDATE)
HRI #
Trinomial CA-KER-560H (UPDATE)
NRHP Status Code
Other Listings
Review Code Reviewer Date

*Resource Name or #: Atchison, Topeka & Santa Fe Railroad (UPDATE)

P1. Other Identifier: Atchison, Topeka & Santa Fe Railroad (Kern County section)

* P2. Location: ☑ Not for Publication ☐ Unrestricted *a. County: Kern

* USGS Quad(s): Leuhman Ridge (1973), Mojave (1973), Rogers Lake North (1992)

Sec. 2, T10N R8W SBB&M
Sec. 2, T10N R8W SBB&M
Sec. 35, T11N R8W SBB&M
Sec. 34, T11N R8W SBB&M
Sec. 32, T11N R8W SBB&M
Sec. 21, T11N R12W SBB&M

c. Address:

d. UTM (NAD 83):

Zone	11 ;	394352 mE	3877484 mN	(End Segment 1)
Zone	11 ;	395091 mE	3876951 mN	(Begin Segment 1)
Zone	11 ;	430994 mE	3873282 mN	(Begin Segment 2)
Zone	11 ;	431800 mE	3873278 mN	(End Segment 2)
Zone	11 ;	435428 mE	3873266 mN	(End Segment 3)
Zone	11 ;	436273 mE	3873261 mN	(Begin Segment 3)
Zone	11 ;	436396 mE	3872504 mN	(End Segment 4)
Zone	11 ;	436773 mE	3872740 mN	(Begin Segment 4)
Zone	11 ;	436845 mE	3872782 mN	(End Segment 4)
Zone	11 ;	437352 mE	3873019 mN	(Begin Segment 4)

e. Other Locational Data:

This segment of the railroad is located in Kern County and travels roughly to the east-southeast from the community of Mojave to the San Bernardino County line.

* P3a. Description:

This railroad consists of the historic-era alignment of the Atchison Topeka & Santa Fe Railway, now the Burlington Northern Santa Fe Railroad. This railroad was originally built for the Atlantic and Pacific Railroad Company by Southern Pacific in the 1880s. It was purchased by Atchison, Topeka & Santa Fe in 1890. The line runs from Mojave, CA to Topack, AZ and has been maintained and improved over the decades and continues to operate. It has been determined eligible to the National Register.

Sixteen segments of this resource were revisited and in many cases, newly recorded as part of an inventory of PG&E gas pipelines 300 A and B. Four of the segments (1-4) are in Kern County and are detailed here. The remaining twelve segments (5-16) are reported in SBR-6693H. Only those segments that overlap the pipeline right-of-ways were recorded/updated as part of the referenced project. Given the active nature of most of the railroad, a close inspection of the ties and rails was not always conducted. See Continuation Sheet for segment descriptions.

* P3b. Resource Attributes: AH07(Roads/trails/railroad grades)

* P4. Resources Present: ☐ Building ☑ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (isolates, etc.)

*Required Information

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # P-15-000560 (UPDATE)
HRI #
Trinomial CA-KER-560H (UPDATE)
NRHP Status Code
Other Listings
Review Code Reviewer Date

*Resource Name or #: Atchison, Topeka & Santa Fe Railroad (UPDATE)



*P5b. Description of Photo:
View of Segment 4, note idle train in background, view to the southwest.

*P6. Date Constructed/Age & Sources:
☑ Historic ☐ Prehistoric ☐ Both
ca. 1890

*P7. Owner and Address:
Caltrans/Local Roads, Department of Defense, Edwards Air Force Base

*P8. Recorded by:
R. Kellawan, D. Martinez, L. Daub, D. Mike, Far Western, 2727 Del Rio Place Suite A, Davis CA 95618

*P9. Date Recorded: 4/22/2013

*P10. Survey Type:
Intensive

* P11. Citation: Higgins, Courtney, Rebecca Kellawan, Daron Duke and Thomas Lucas (2013) Cultural Resource Inventory of Approximately 5,300 Acres for PG&E Pipelines 300 A and B, San Bernardino and Kern Counties, California. And Kern Counties, California

* Attachments: ☐ None ☑ Location Map ☑ Sketch Map ☑ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other:

*P3a. Description (continued):

Segment 1 is a half-mile segment that overlaps the survey corridor approximately 1.5 miles southeast of the community of Mojave. This segment was previously recorded as part of Sutton and Trambly's work in 1977, at which time they recorded the segment of the railroad that begins at Highway 14 and travels south to Edwards Air force Base. They described this entire segment as an, "Old railroad bed and associated trash along the bed. The bed is distinguished by the reddish rhyolite used to build it. The bed is gone in several instances and across the lake bed". In 2000 the segment was updated by KEA Environmental, Inc. as part of a survey for the All American Pipeline. They described the segment as part of the current Santa Fe System, which has been extensively modified and improved over the years and no "features of historic integrity were encountered" in the 100-foot pipeline corridor. The half-mile segment observed as part of the current project is a maintained and active raised grade topped with crushed red rhyolite ballast.

Segment 2 is a half-mile segment that overlaps the survey corridor approximately 2.8 miles west of the small community of Desert Lake. This segment has not been previously documented and consists of a double track on a raised berm, topped with crushed red rhyolite ballast. This segment is active and is maintained.

Segment 3 is a half-mile segment that overlaps the 300 B pipeline corridor, just south of the small community of Desert Lake. This segment has not been previously documented and consists of a single track on a raised berm, topped with crushed red rhyolite ballast. The segment is active and is maintained.

Segment 4 is a half-mile-segment of a spur line that splits from the mainline just south of the intersection of Park Knolls Blvd. and Twenty-mule Team Road. The half-mile segment overlaps PG&E pipelines 300 A and B. The segment consists of a single track on a raised berm, topped with crushed red rhyolite ballast. Many of the rails are stamped with a 1942 manufacture date. Four railroad related features were identified and recorded along this segment (features 1-4).

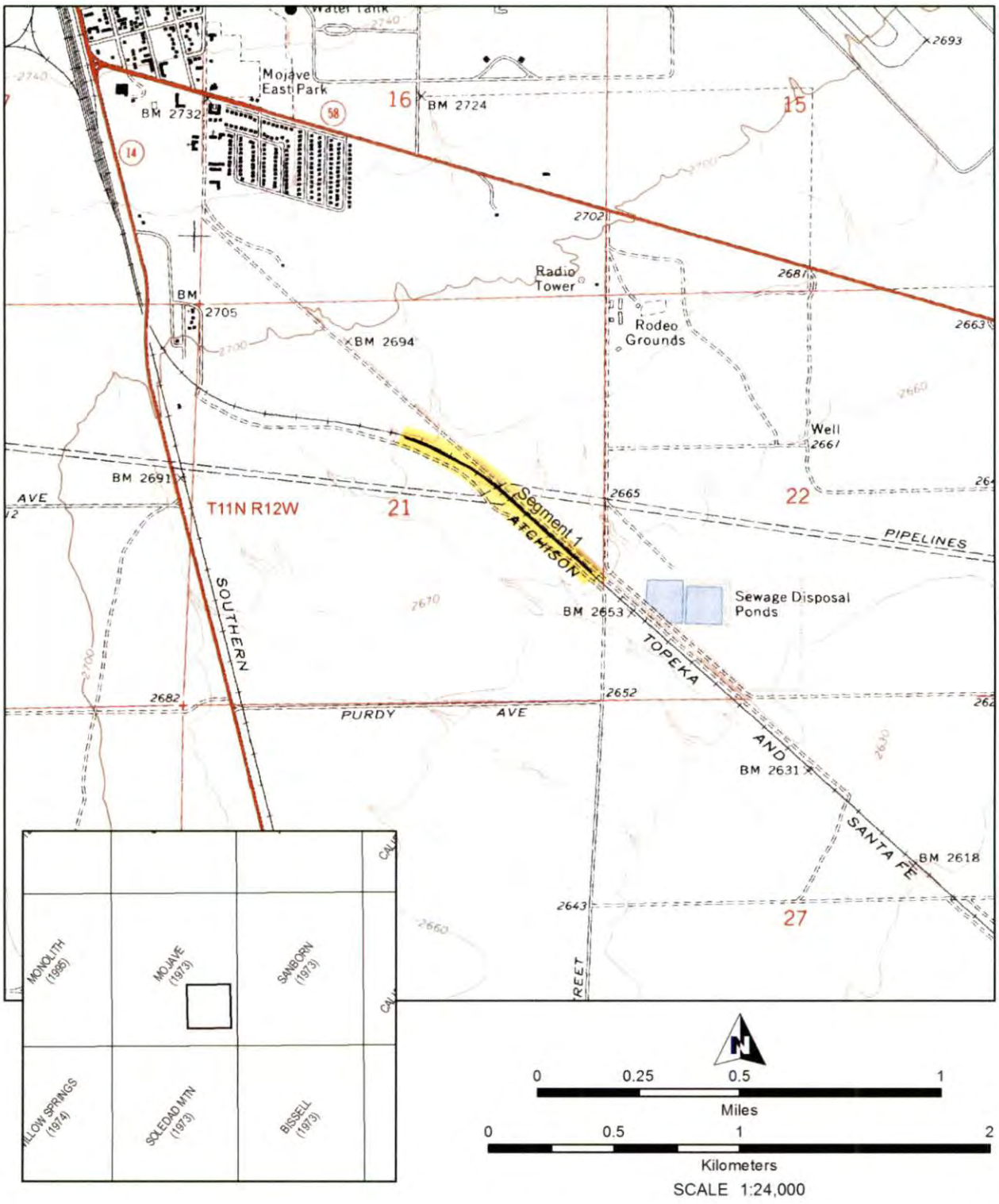
Feature 1 is the remnant of a constructed rectangular earthen platform that measures 38 by 5 feet and contains two 7-foot, 6-inch wooden beams set 8 feet, 6 inches apart. A third beam appears to have been removed. The base of the beams are surrounded by local rocks (small-medium cobbles). The platform abuts the west side of the railroad track and the perimeter is lined with local stones (large cobbles). A single aqua glass Coca-Cola bottle base fragment embossed with "NEEDLES CALIF." was noted near the feature.

Feature 2 appears to be the remnant of a signal station that straddles the railroad track and contains three associated concrete boxes. The overall feature area measures roughly 31 feet by 27 feet. The two larger boxes are located on the south side of the railroad track. The easternmost box measures 38 x 30 x 21 inches and contains three 2-inch diameter pipes. A 2-1/2-inch diameter pipe runs to the adjacent (open) box that measures 50 x 39 x 20 inches and contains wooden boards with bolts. The single enclosed box on the north side of the tracks measures 16 x 16 x 15 inches and contains one 2-inch diameter pipe and four 1/2-inch bolts. These features are situated on a leveled asphalt platform.

Features 3 consists of a roughly rectangular constructed earthen platform that measures 18 by 16 feet. It abuts the north side of the tracks and is lined with local rocks (large cobbles). Two 9-foot wooden beams are fixed horizontally to the track. Modern trash was observed on and around the platform.

Feature 4 is a leveled concrete platform, raised about 3 inches above the railroad track. The platform measures 150 feet east west by 40 feet north south. Several abandoned railroad cars rest on the tracks next to the platform. Recent bulldozing is visible on the far west corner of the feature.

Twelve additional segments were updated/recorded as a part of the referenced project, but are located in San Bernardino County and detailed in the corresponding site record (CA-SBR-6693H). See this record for detailed information about each segment.

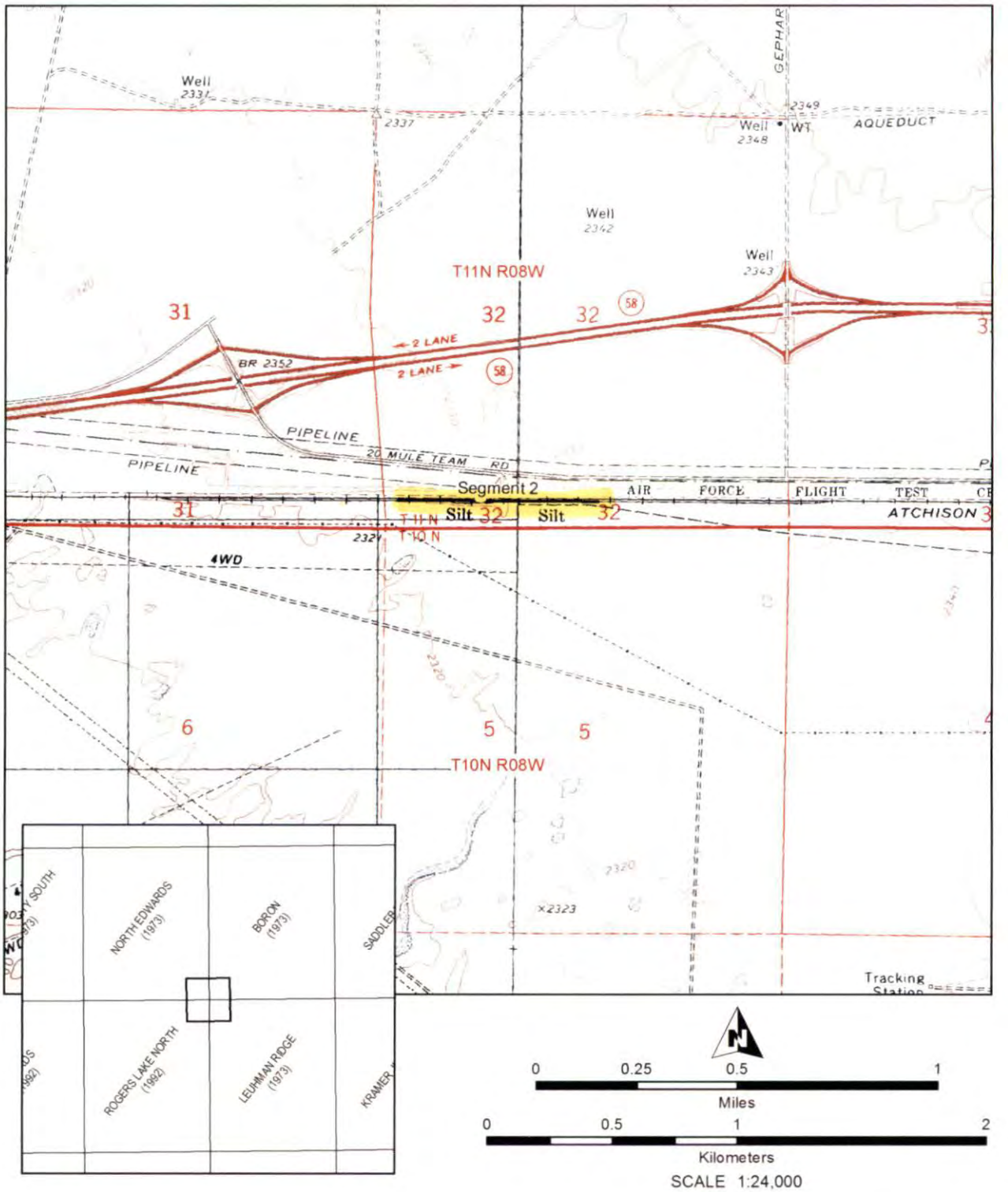

Water Tank
Mojave East Park
BM 2732
16
BM 2724
15
2693
2702
Radio Tower
2681
BM 2705
BM 2694
Rodeo Grounds
2663
Well
2661
BM 2691
AVE
T11N R12W
21
22
Segment 1
ATCHISON
PIPELINES
SOUTHERN
Sewage Disposal Ponds
BM 2653
TOPEKA
2682
2652
PURDY
AVE
AND
BM 2631
SANTA FE
BM 2618
2643
27
MONOLITH (1986)
MOJAVE (1973)
SANBORN (1973)
WILLOW SPRINGS (1974)
SOLEDAD MTN (1973)
BISSELL (1973)
0 0.25 0.5 1
Miles
0 0.5 1 2
Kilometers
SCALE 1:24,000

UPDATE

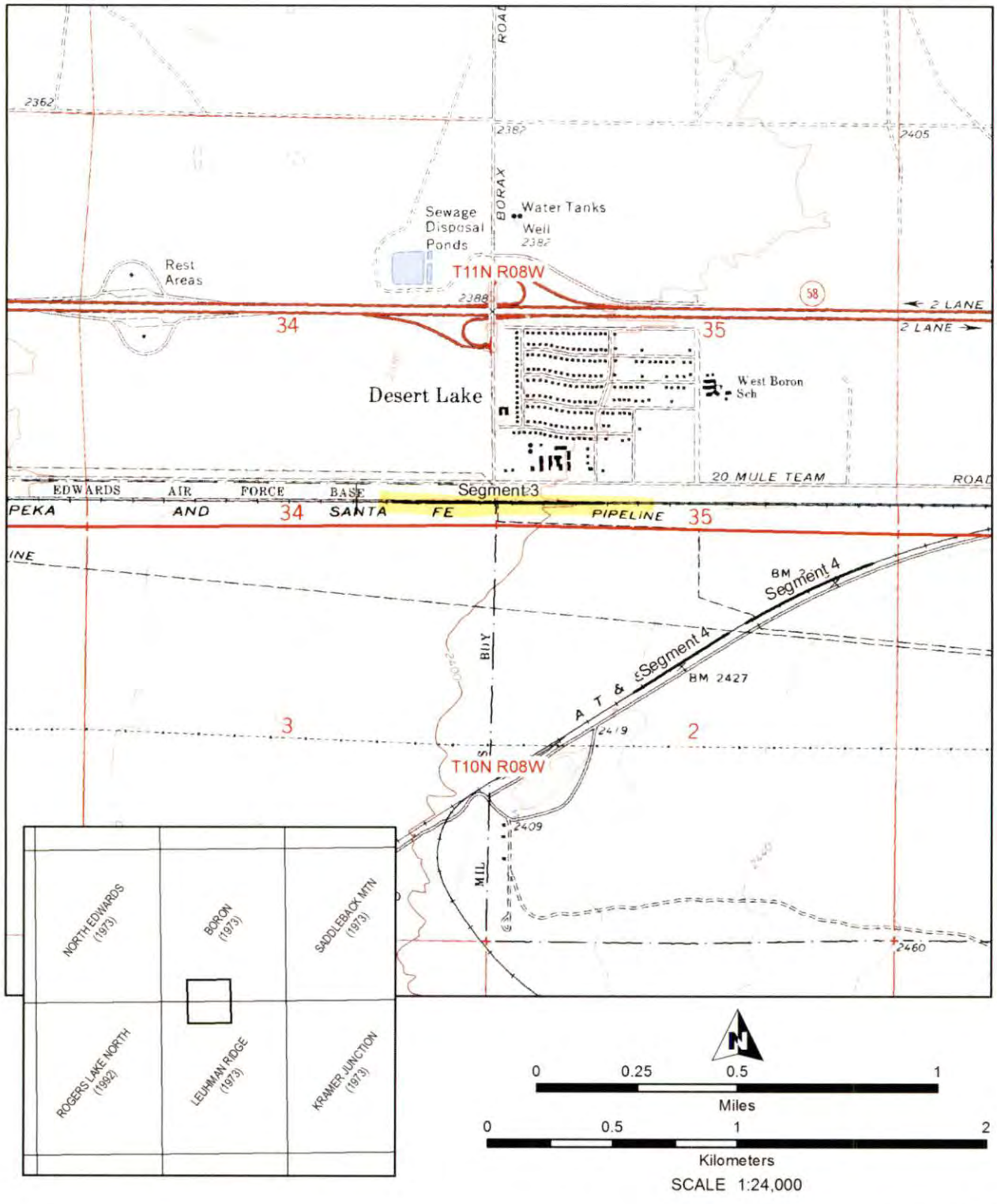
State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # P-15-000560 (UPDATE)
HRI #
Trinomial CA-KER-560H (UPDATE)

*Resource Name or #: Atchison, Topeka & Santa Fe Railroad (UPDATE)



*Required Information


Sewage Disposal Ponds
Water Tanks
Well
2387
BORAX
ROAD
2362
2387
2405
Rest Areas
T11N R08W
2388
58
2 LANE
2 LANE
34
35
Desert Lake
West Boron Sch
20 MULE TEAM
ROAD
EDWARDS AIR FORCE BASE
Segment 3
PEKA AND 34 SANTA FE PIPELINE 35
INE
BM 2
Segment 4
Segment 4
A T & S
BM 2427
BUY
2400
2419
3
2
T10N R08W
2409
MIL
2460
NORTH EDWARDS (1973)
BORON (1973)
SADDLEBACK MTN (1973)
ROGERS LAKE NORTH (1992)
LEUHMAN RIDGE (1973)
KRAMER JUNCTION (1973)
0 0.25 0.5 1
Miles
0 0.5 1 2
Kilometers
SCALE 1:24,000

UPDATE

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
SKETCH MAP

Primary # P-15-000560 (UPDATE)
HRI #
Trinomial CA-KER-560H (UPDATE)

*Resource Name or #: Atchison, Topeka & Santa Fe Railroad (UPDATE)

*Drawn by: Darla Rice

*Date: 4/22/2013



darla 7/22/2013 9:17:39 AM

*Required Information

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

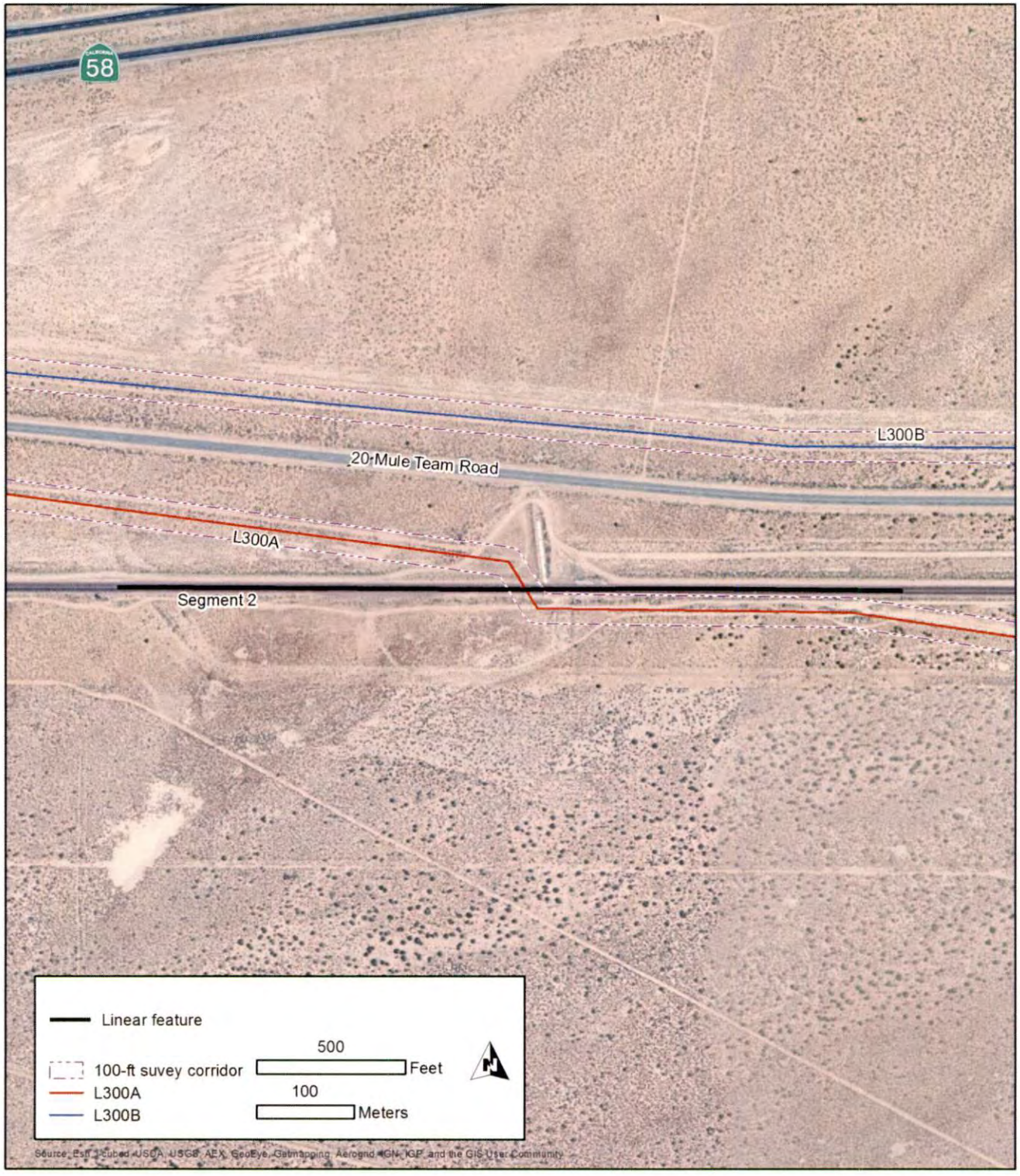
SKETCH MAP

Primary # P-15-000560 (UPDATE)
HRI #
Trinomial CA-KER-560H (UPDATE)

***Resource Name or #:** Atchison, Topeka & Santa Fe Railroad (UPDATE)

***Drawn by:** Darla Rice

***Date:** 4/22/2013



darla 7/22/2013 11:25:38 AM

UPDATE

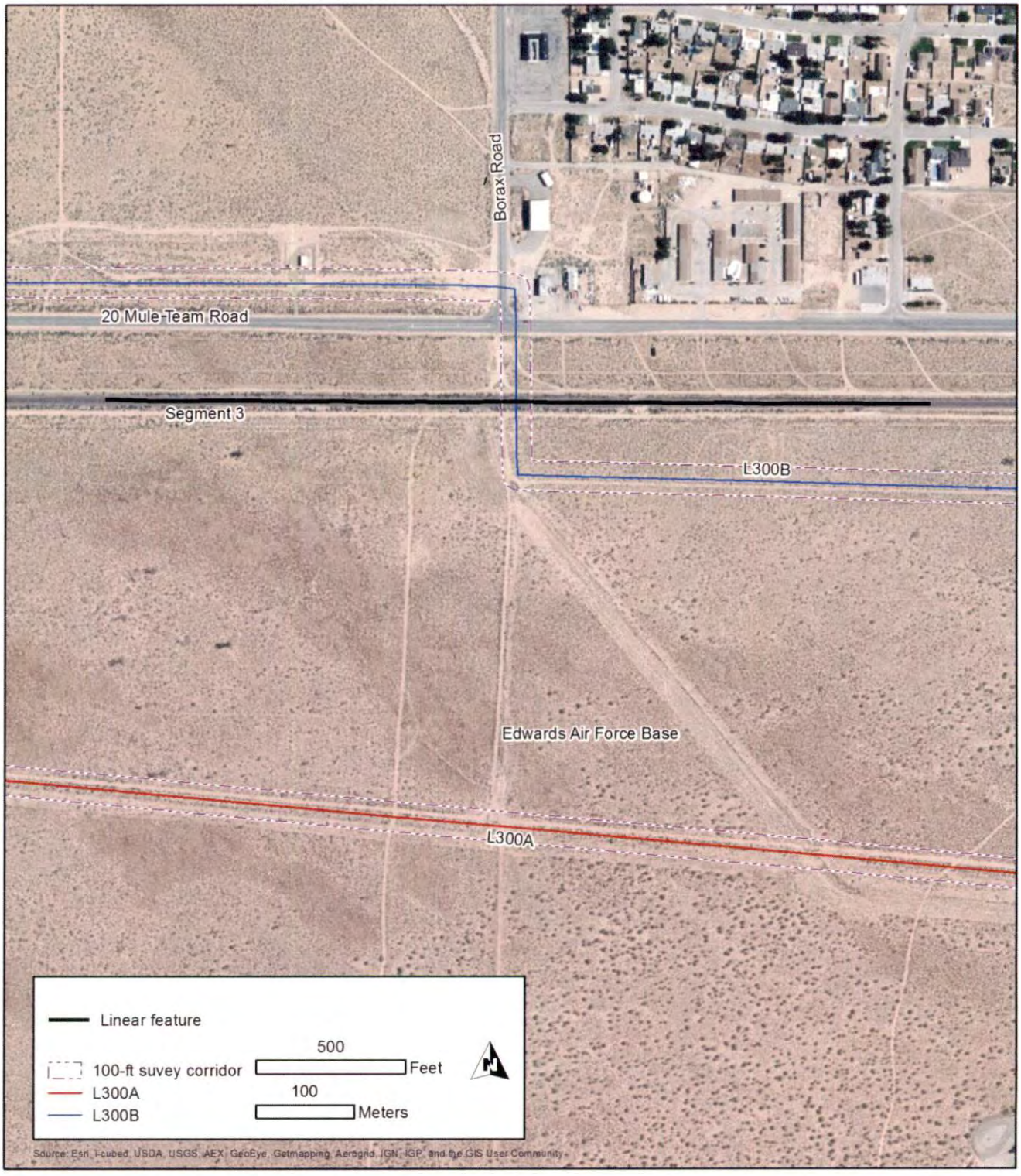
State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
SKETCH MAP

Primary # P-15-000560 (UPDATE)
HRI #
Trinomial CA-KER-560H (UPDATE)

***Resource Name or #:** Atchison, Topeka & Santa Fe Railroad (UPDATE)

***Drawn by:** Darla Rice

***Date:** 4/22/2013



darla 7/22/2013 11:25:58 AM

*Required Information

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

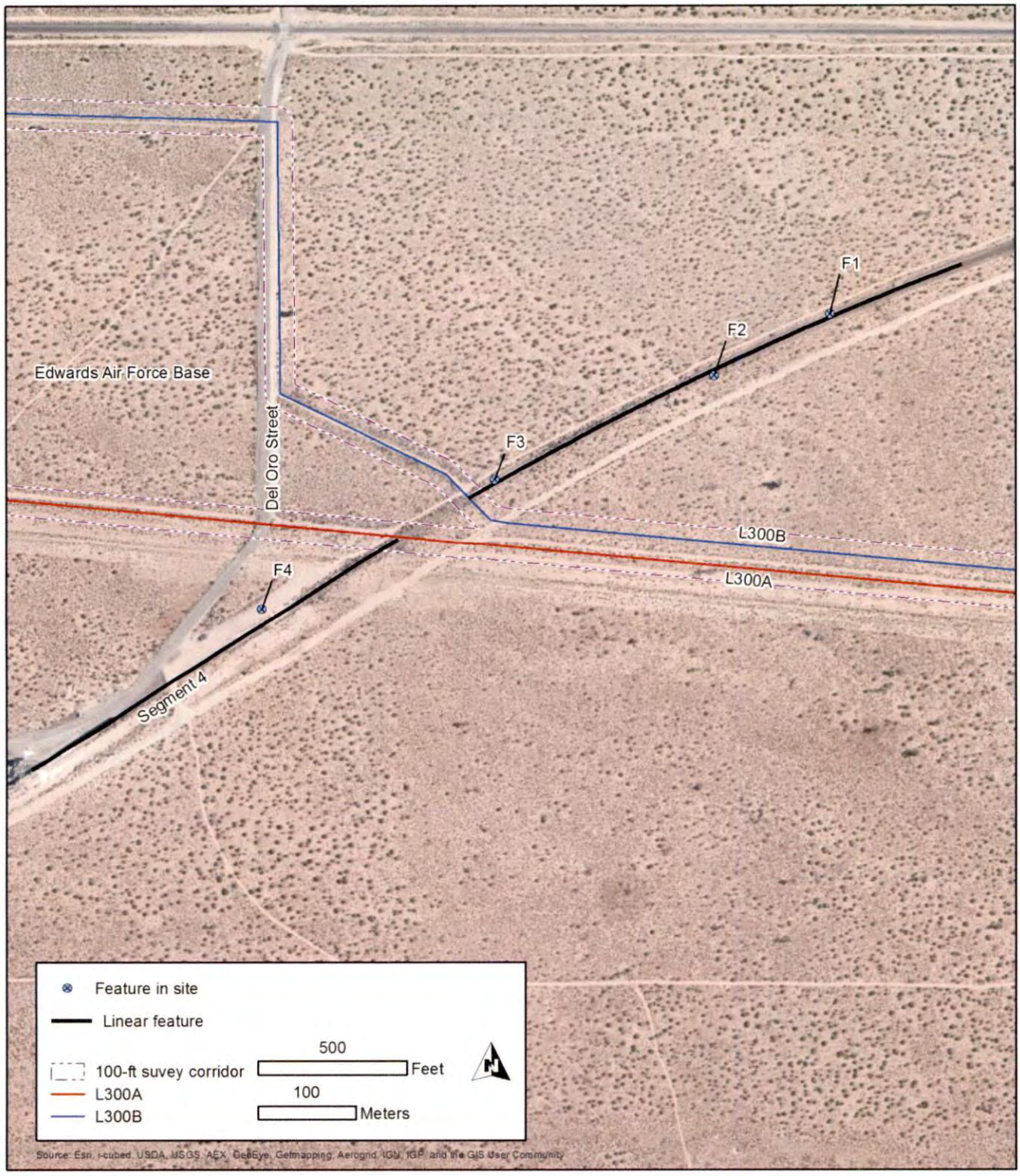
SKETCH MAP

Primary # P-15-000560 (UPDATE)
HRI #
Trinomial CA-KER-560H (UPDATE)

***Resource Name or #:** Atchison, Topeka & Santa Fe Railroad (UPDATE)

***Drawn by:** Darla Rice

***Date:** 4/22/2013



darla 7/22/2013 11:26:13 AM



Folder: Rotation 1 Optio 24 File: IMGP1280
Overview of Segment 1, from road P-15-003530. View to the northwest. (View: northwest)



Folder: Rotation 2 Optio 11 File: IMGP0261
Segment 4, Feature 1: Rock-lined platform. Scale set at 5 ft, view to the southwest. (View: southwest)



Folder: Rotation 2 Optio 11 File: IMGP0262
Segment 4, Feature 2: Concrete signal boxes, view to the west. (View: west)



Folder: Rotation 2 Optio 11 File: IMGP0264
Segment 4, Feature 3: Rock-lined platform. Scale set at 5 ft, view to the southwest. (View: southwest)



Folder: Rotation 2 Optio 11 File: IMGP0266

Segment 4, Feature 4: Large loading platform, abandoned cars at left. Figure in background for scale, view to the southwest. (View: southwest)



Folder: Rotation 2 Optio 11 File: IMGP0268

Segment 3 overview, Desert Lake at left, historic utility line at right, view to the east. (View: east)

Supplement

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
UPDATE SHEET

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H
NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) Map Reference No. 3
☐ Continuation ☒ Update

P1. Other Identifier: Santa Fe Railroad and Minkler Spur

*P2. e. Other Locational Data: This segment of the Santa Fe Railroad's main line runs northwest-southeast, crossing Rosedale Highway (SR 58) at Jewetta Avenue, where it turns an easterly direction, crossing the Kern River to the Bakersfield Yard. The Minkler Spur runs north-south from Oil Junction to Landco, crossing Rosedale Highway just west of Landco Drive.

***P3a. Description:** Both segments of the Santa Fe Railroad's main line and the Minkler Spur have been field checked and appear mostly unaltered since they were last recorded in 1993. There are no known alterations to either.

***P3b. Resource Attributes:** (HP11) Railroad

***P8. Recorded by:** Polly Allen, JRP Historical Consulting, LLC, 2850 Spafford Street, Davis, CA 95618

***P11. Report Citation:** JRP Historical Consulting, LLC, "Historical Resources Evaluation Report, Rosedale Highway Widening Project, Kern County, California" (EA 06-OF360)

***B10. Significance:**

Portions of the Santa Fe Railroad and the Minkler Spur in this area were previously inventoried and evaluated in 1993 by JRP Historical Consulting, LLC (JRP) for the 1995 report entitled "Historic Architectural Survey Report, Tier 1, for Route Adoption on Route 58, Between I-5 and State Route 99 in Kern County," (EA 06-315400). JRP found that neither the Santa Fe Railroad nor the Minkler Spur appeared eligible for the National Register of Historic Place (NRHP), primarily because of a lack of integrity and the properties were subsequently determined ineligible for the NRHP (California Historical Resource Status Code 6Y).

The two rail lines are being re-evaluated both because of the time passed since the last recordation and because the earlier evaluation considered the property using only the NRHP criteria. After review of the previous recordation and current field check of the portions of the railroad in the current study area (see photographs SF 1 and SF 2), the 1993 findings still appear to be valid. Furthermore, neither property appears to meet the criteria for listing in the California Register of Historical Resources, nor does it appear to be an historic resource for the purposes of the California Environmental Quality Act (CEQA). This property has been evaluated in accordance with Section 15064.5(a)(2)-(3) of the CEQA Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code.

***B14. Evaluator:** Polly Allen ***Date of Evaluation:** September 2009

Supplement

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
UPDATE SHEET

Primary # P-15-00560
HRI #
Trinomial CA-KER-560H
NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) Map Reference No. 3
☐ Continuation ☒ Update

Photographs (continued):



Photograph 1: Santa Fe main line (SF-1) facing northwest from Rosedale Highway.



Photograph 2: Santa Fe main line (SF-1) facing southeast from Rosedale Highway.

Supplement

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
UPDATE SHEET

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H
NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) Map Reference No. 3
☐ Continuation ☒ Update

Photographs (continued):



Photograph 3: Minkler Spur (SF-2) facing north from Rosedale Highway.



Photograph 4: Minkler Spur (SF-2) facing south from Rosedale Highway.

Supplement

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
UPDATE SHEET

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H
NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) Map Reference No. 3
☐ Continuation ☒ Update

Sketch Map:





*Required Information

Supplement

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # P-15-000560
HRI #
Trinomial CA-KER-5600H
NRHP Status Code 7
Other Listings
Review Code _____ Reviewer _____ Date _____

*Resource Name or #: JKE-039

RECEIVED
APR 06 2010
By

P1. Other Identifier: Burlington Northern Santa Fe Railroad; Atchison, Topeka, Santa Fe Railroad
*P2. Location: ☐ Not for Publication ☑ Unrestricted *a. County: Kern
*b. USGS Quad: Mojave (1973); T11N R12W, Sec. 20; MDBM
c. Address: , Mojave
d. UTM: Zone 11; mE/ mN NAD27 see linear record for segment UTMs
e. Other Locational Data:
This resource is located south of the town of Mojave on both sides of State Route (SR) 14 from GIS-based post miles 15.35 to 15.37. It is one meter from the edge-of-pavement, and partially within the highway right-of-way. From the intersection of SR 14 and SR 58 in Mojave, continue south on SR 14 for 0.7 miles to the highway overpass; the resource passes beneath the highway at this location.

*P3a. Description:
This is a segment of the Burlington Northern Santa Fe Railroad where it passes under SR 14 just south of Mojave. Southern Pacific Railroad (SPRR) built the railroad at this location in 1882 as part of their line from Mojave to Needles, California, on the west bank of the Colorado River. The Atchison, Topeka, and Santa Fe Railroad (ATSF) had been building their transcontinental line westward from Kansas and reached the east bank of the Colorado River, opposite Needles, in 1883. With SPRR possessing the only viable right-of-way into Los Angeles from this point, ATSF purchased SPRR's Mojave to Needles line in 1884. ATSF operated the railroad line for nearly a century; it merged with Burlington Northern in 1995 to become the Burlington Northern and Santa Fe Railway (Bryant 1974: 96-102; Myrick 1963: 762-792). (See Linear Feature Record and Continuation Sheet)

*P3b. Resource Attributes: HP11 (Engineering structure)
*P4. Resources Present: ☐ Building ☑ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)



*P5b. Description of Photo:
Photograph 1. JKE-039, 01, N -- 9886; facing north, SR 14 showing passing over the railroad line.

*P6. Date Constructed/Age & Sources:
☑ Historic ☐ Prehistoric ☐ Both
1882 (Bryant 1974)

*P7. Owner and Address:
Burlington Northern Santa Fe, 2650 Lou Menke Drive
Fort Worth, TX 76131

*P8. Recorded by:
Steven J. Melvin and Rebecca Flores, JRP Historical Consulting, LLC, 1490 Drew Ave, Suite 110, Davis, CA 95618

*P9. Date Recorded: 4/22/2009

*P10. Survey Type:
Reconnaissance

*P11. Citation: Leach-Palm et al. 2010. Cultural Resources Inventory of Caltrans Districts 9 Rural Conventional Highways in Inyo and Mono Counties. Submitted to Caltrans District 9, Bishop, CA.

*Attachments: ☐ None ☑ Location Map ☑ Sketch Map ☑ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☑ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other:

*Required Information

Supplement

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # P-15-000560
HRI #
Trinomial CA-KER-5600H

 *Resource Name or #: JKE-039

L1. Historic and/or Common Name: Burlington Northern Santa Fe; Atchison, Topeka, Santa Fe Railroad
L2a. Portion Described: ☐ Entire Resource ☑ Segment ☐ Point Observation **Designation:**
L2b. Location of Point or Segment:
The resource is located between GIS-based post miles 15.35 and 15.37 on SR 14.

Segment UTMs: 393406mE/ 3877736mN to 393425mE/ 3877701mN

L3. Description:
The highway at this location passes over the railroad on the high, freeway-style overpass with no pedestrian access making a close visual inspection impossible. The resource appears to be a single track, standard gauge railroad set on wood ties and stone ballast. The roadbed is built up about two feet above the surrounding land. This branch begins under SR 14 overpass and extends southeast from the main Southern Pacific Railroad line; it does not extend northwest of the highway.

L4. Dimensions:
a. Top Width: Unknown
b. Bottom Width: Unknown
c. Height or Depth: Unknown
d. Length of Segment: 200 feet
L5. Associated Resources:
None

L4e. Sketch of Cross-Section: **Facing:** North



Not to scale

L6. Setting:
The resource is located in the flat terrain of the Mojave Desert valley on the south edge of the town of Mojave.

L7. Integrity Considerations:
Unknown



L8b. Description of Photo, Map, or Drawing
JKE-039, 02, S -- 9887; facing south, SR 14 crossing over railroad (at right).

L9. Remarks:

L10. Form Prepared By:
S. Melvin, JRP Historical Consulting, LLC, 1490 Drew Ave, Suite 110, Davis CA 95618

L11. Date: 4/22/2009

Supplement

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # P-15-000560
HRI #
Trinomial CA-KER-5600H

 ***Resource Name or #:** JKE-039

***Recorded By:** S. Melvin and R. Flores, JRP Historical Consulting, LLC ***Date:** 4/22/2009 ☑ Continuation ☐ Update

P3a. Description (continued):

References:

Bryant, Jr., Keith L. History of the Atchison, Topeka and Santa Fe Railway. New York: MacMillan Publishing Co, Inc., 1974.

Myrick, David F. Railroads of Nevada and Eastern California. Volume 2, "Southern Roads." Berkeley, California: Howell-North Books, 1963.

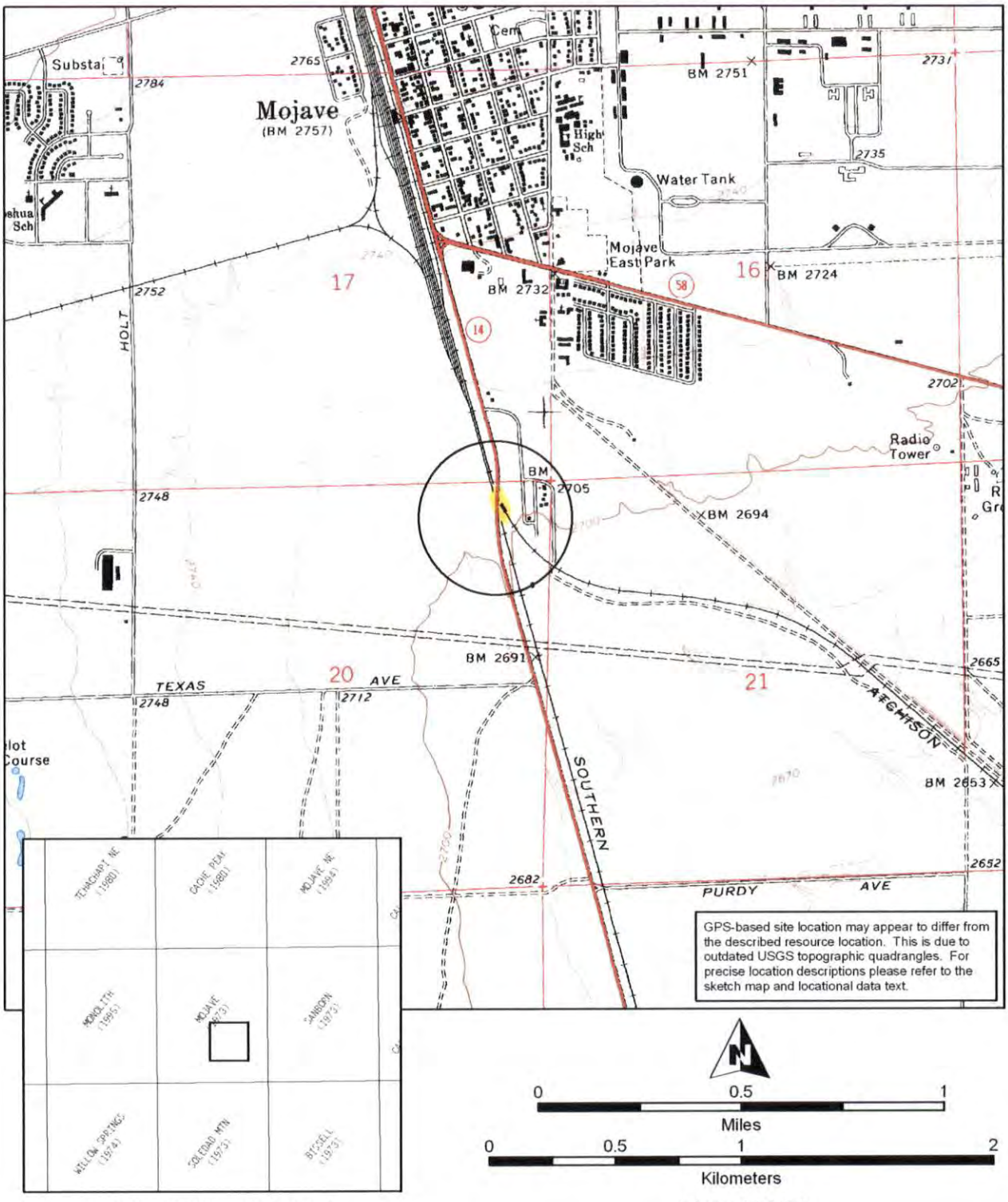
State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H

*Resource Name or #: JKE-039

*Map Name: Mojave (1973)

*Year: 1973



Key to USGS 7.5' quads depicted

SCALE 1:24,000

*Required Information

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

SKETCH MAP

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H

*Resource Name or #: JKE-039

*Drawn By: Far Western and JRP Historical Consulting, LLC

*Date: 04/22/2009



*Required Information

TETRA TECH, INC. UPDATE

Permanent Trinomial: CA-KER-560H
Primary Number: P-15-000560
EAFB #: 1
Other Designations: AT&SF Railroad

UPDATE FOR EAFB CULTURAL RESOURCES

Date: 24 October 2007 **Checked by:** H. Puckett

Prepared by: H. Puckett

County: Kern **Elevation:** 2,320-2,357 feet above sea level

USGS Quad.: Edwards, California 7.5' **Year:** 1973
Fluhr, California 7.5' (1947)

UTMs: 414180 **mE** / 3866420 **mN**
414830 **mE** / 3865860 **mN**
415370 **mE** / 3865440 **mN**
415720 **mE** / 3865000 **mN**
416000 **mE** / 3864750 **mN**
416540 **mE** / 3864390 **mN**
416860 **mE** / 3864270 **mN**
417120 **mE** / 3864190 **mN**
417500 **mE** / 3864070 **mN**
417760 **mE** / 3864020 **mN**

Note: The location of this site is based on previous site records and has not been field verified during the present study.

Township 10N; **Range** 10W; **Sections** 27, 34, 35 and 36, and an unsectioned portion of Rogers Lake, San Bernardino Base Meridian (SBBM). The site begins in Cultural Resources Management Region/Area 2E, on Edwards Air Force Base.

Site Description: The site consists of the remains of the Atchison, Topeka & Santa Fe (AT&SF) Railroad grade. The site is classified as 57A, a historic period railroad grade archaeological site.

Estimated age: 1882-1954 **Condition:** Fair

Dimensions: 6,100 **m** (NE/SW) **by** 1,585 **m** (NW/SE); 7,589,773 **m²** (30 miles)

Description: Originally constructed as part of the Southern Pacific Railroad line in 1882, AT&SF purchased the grade in 1884. The portion of the line extending through the Antelope Valley is known as the Needles-Mojave Line and was also known as "Espee's Colorado Division." This portion of the line was graded by the Pacific Improvement Company.

Between 1881 and 1883, the line was laid using English rails; it was replaced when the "Buy American" clause was discovered (Settle 1967, Greenwood and McIntyre1980). Due to this delay, the line was not officially operating until 1884 through the valley. It remained in operation until 1952-1954, when the alignment was moved to its current location, north of the Base boundaries.

The site, today, consists of a ballast (crushed red Rhyolite)-topped raised berm; the trackage has been removed. The condition/physical integrity of the route varies, as some portions have been completely destroyed due to the construction of military facilities at Main and South Base, and other portions remain fairly intact. Historic period refuse dots the sides of the alignment, which is also associated with the historic railroad sidings of Bissell (EAFB-29), Fluhr (EAFB-958), Muroc [also

known as Yucca, Rod, Rogers, Rodriguez] (EAFB-2), Solon (EAFB-808), and Rich (EAFB-131), as well as several railroad maintenance camps and access roads.

Significance: Historically, the AT&SF Railroad grade extended through the Edwards AFB boundaries. It appears on various historic maps and is described in numerous historical accounts and oral histories (USGS Mojave 1915, 1922, 1942, USGS Searles Lake 1915, 1922, USGS Elizabeth Lake 1917, 1941, USGS Barstow 1932, USGS Rogers Lake 1942, USGS Kramer 1942, USGS Bissell 1947, USGS Rosamond 1947, USGS Soledad Mtn. 1947, Greenwood and McIntyre 1980, DeWitt 1989, Goetzmann 1979, Guerrero *et al.* 1998, Williamson 1857, Earle *et al.* 1998, Von-Till Warren and Roske 1981, Janus Associates Incorporated 1989, Earle 1998, Jones 1994, Settle 1994, Hisquierdo 1994, Massey 1994, C. Jones 1994, Halling 1994, Logan 1994).

Recommendations/Disposition: The former AT&SF Railroad grade is recommended as eligible for inclusion to the National Register of Historic Places under Criteria A (association with events) and D (data potential). It was given the OHP status code of 3B, which means the site "appears eligible for listing in the NRHP as a separate listing and/or as a contributor to a district that has been fully documented according to OHP instructions and appears eligible for listing" (OHP 1995).

Notes: The site was first identified by Mark Q. Sutton in 1977. Sutton and Tremblay (1977) originally recorded this site as an "old railroad bed and associated trash along the bed. The bed is distinguished by the reddish rhyobite [sic] used to build it. The bed is gone in several instances and across the lake bed." Speculated features included work camps, stations, and water stops, which the investigators recommended by recorded separate from the grade (Sutton and Tremblay 1977). The site was photographed during the aerial helicopter survey conducted in 1980 (Greenwood and McIntyre 1980). During the survey, it was noted that "the railroad figured heavily in the development of the Antelope Valley, and was the initial reason for the existence of the townsite on EAFB property" (Greenwood and McIntyre 1980). A team of archaeologists from RECON investigated the site in February 1988. They noted that the tracks had been removed from the majority of the alignment, but that small concrete signal boxes were still present between Forbes Street to Bailey, north of Mojave Road (near the present-day Base housing area). Associated railroad debris – including spikes, couplers, tie fragments, square nails and other hardware – also were observed (Haynal *et al.* 1988). Norwood (October 1988) conducted a follow-up field check of the site in the "Gravity Wave" project area; this included the northernmost east portion of the grade. A cement culvert was recorded. In 1995, CSC archaeologists investigated the portion of the grade surrounding the former location of the Rich sidings (Lark 1995). They recorded approximately eight historic period refuse deposits, the former railroad alignment, one AT&SF Property Line marker, and a benchmark; the sites are bisected by Rich Road (Lark 1995). A team of archaeologists from Tetra Tech, Inc., recorded certain railroad-related features, such as bridges (Spinney and Puckett 2006). This form serves to update the maps for the route and supplement the historical record.

References:

DeWitt, William H. (editor)
1989 "History of Rosamond, California," In Antelope Valley History. The Journal of the West Antelope Valley Historical Society, Leona Valley, California, Volume 2, No. 1.

Earle, D. D., Kelly A. Lark, Cole J. Parker, Margaret R. Ronning and Jackson Underwood.
1998 *Cultural Resources Overview and Management Plan for Edwards Air Force Base, California. Volume 2: Overview of Historic Cultural Resources*. Computer Sciences Corporation, Edwards Air Force Base, California. Submitted to Air Force Flight Test Center, Base Historic Preservation Office, Edwards Air Force Base, California. Contract No. FO4611-92-C-0045. Draft on file at Base Historic Preservation Office, Edwards Air Force Base, California.

Earle, D.D.
1998 *Legacy of Muroc, Community Inventory, Edwards AFB, California*. Submitted Computer Sciences Corporation, Edwards Air Force Base, California. Submitted to Air Force Flight Test Center, Base Historic Preservation Office, Edwards Air Force Base, California. Contract No. FO4611-92-C-0045. Draft on file at Base Historic Preservation Office, Edwards Air Force Base, California.

Goetzmann, William H.
1979 *Army Exploration in the American West, 1803-1863.* University of Nebraska Press, Lincoln.

Greenwood, Roberta S. and Michael J. McIntyre
1980 *Cultural Resources Overview for Edwards Air Force Base*. Greenwood and Associates, Pacific Palisades, California. On file 6500 ABW/DEV, Edwards Air Force Base, California.

Guerrero, Kyle M., Susan L. Bupp, Evelyn Chandler, and Dena S. Komporlides
1998 *Cultural Resources Evaluations of Ten Desert Homesteads, Edwards Air Force Base, California*. Volume I. March. Tetra Tech, Inc. Prepared for the US Army Corps of Engineers, Sacramento District, and the Air Force Flight Test Center, Environmental Management Office, Edwards AFB, California.

Halling, Wayne
1994 Oral History Program Transcript of Wayne Halling, Muroc Community Inventory (A Legacy Resource Management Project), Edwards AFB, Kern County, California. August. Robert Mulcahy, Interviewer / Photo Documentation / Transcriber. Computer Sciences Corporation, Edwards AFB Flight Test Center.

Haynal, Patrick, Frank Ritz, Diane Adams, William Manley
1988 Archaeological Site Record, EAFB-1 (CA-KER-560). RECON, February.

Hisquierdo, Ray
1994 Oral History Program Transcript of Ray Hisquierdo, Muroc Community Inventory (A Legacy Resource Management Project), Edwards AFB, Kern County, California. September. Robert Mulcahy, Interviewer / Photo Documentation / Transcriber. Computer Sciences Corporation, Edwards AFB Flight Test Center.

Janus Associates Incorporated
1989 *Transcontinental Railroading in Arizona, 1878-1940.* Prepared for the Arizona State Historic Preservation Office, December.

Jones, Bob
1994 Oral History Program Transcript of Bob Jones, Muroc Community Inventory (A Legacy Resource Management Project), Edwards AFB, Kern County, California. July. Robert Mulcahy, Interviewer / Photo Documentation; Denise Prengenzer, Transcriber. Computer Sciences Corporation, Edwards AFB Flight Test Center.

Jones, Carol Carmean
1994 Oral History Program Transcript of Carol Carmean Jones, Muroc Community Inventory (A Legacy Resource Management Project), Edwards AFB, Kern County, California. August. Robert Mulcahy, Interviewer / Photo Documentation, Linda Stowe, Transcriber. Computer Sciences Corporation, Edwards AFB Flight Test Center.

Lark, K., T. de la Garza, L. Wear, R. Bock, M. Pittman, L. Ramirez, M. Ryan, B. Woods, M. Hangan, A. Jackson and S. White
1995 Archaeological Site Record (Update) for EAFB-1 (CA-KER-560). Computer Sciences Corporation. August-September.

Logan, Grace Adair
1994 Oral History Program Transcript of Grace Adair Logan, Muroc Community Inventory (A Legacy Resource Management Project), Edwards AFB, Kern County, California. September. Robert Mulcahy, Interviewer / Photo Documentation, Jamie Ford, Transcriber. Computer Sciences Corporation, Edwards AFB Flight Test Center.

Massey, Virginia
1994 Oral History Program Transcript of Virginia Massey, Muroc Community Inventory (A Legacy Resource Management Project), Edwards AFB, Kern County, California. September. Robert Mulcahy, Interviewer / Photo Documentation; Linda Stowe, Transcriber. Computer Sciences Corporation, Edwards AFB Flight Test Center.

Norwood, R.H.
1988 Field Check, Continuation Sheet for EAFB-1 (CA-KER-560).

Office of Historic Preservation
1995 *Instructions for Recording Historical Resources.* Sacramento, California. Appendix 4: Resources Attribute Codes.

Puckett, Heather R. and Paige M. Peyton
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Settle, Glen Allen
1994 Oral History Program Transcript of Glen Settle, Muroc Community Inventory (A Legacy Resource Management Project), Edwards AFB, Kern County, California.

June. David D. Earle, Interviewer / Photo Documentation; Linda Stowe, Transcriber. Computer Sciences Corporation, Edwards AFB Flight Test Center.

Spinney, Harriot E. and Heather R. Puckett
2006 Final *Inventory and Evaluation of Historic Period Roads and Trails, Edwards Air Force Base, California*. December. Prepared for the US Corps of Engineers, Contract DACA-05-01-0005, Task 0071. On file at the Base Historic Preservation Office, Edwards Air Force Base, California, File No. 2004-H, TRAILS.

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United States Geological Service (USGS)
1915 Mojave, California Topographic Quadrangle

1915 Searles Lake, California Topographic Quadrangle

1917 Elizabeth Lake, California Topographic Quadrangle

1922 Mojave, California Topographic Quadrangle

1922 Searles Lake, California Topographic Quadrangle

1932 Barstow, California Topographic Quadrangle

1941 Elizabeth Lake, California Topographic Quadrangle

1942 Mojave, California Topographic Quadrangle

1942 Rogers Lake, California Topographic Quadrangle

1942 Kramer, California Topographic Quadrangle

1947 Bissell, California Topographic Quadrangle

1947 Rosamond, California Topographic Quadrangle

1947 Soledad Mountain, California Topographic Quadrangle

Von Till Warren, Elizabeth and Ralph J. Roske
1981 *Cultural Resources of the California Desert, 1776-1980. Historic Trails and Wagon Roads.* Bureau of Land Management, California Desert District, Cultural Resources Publications.

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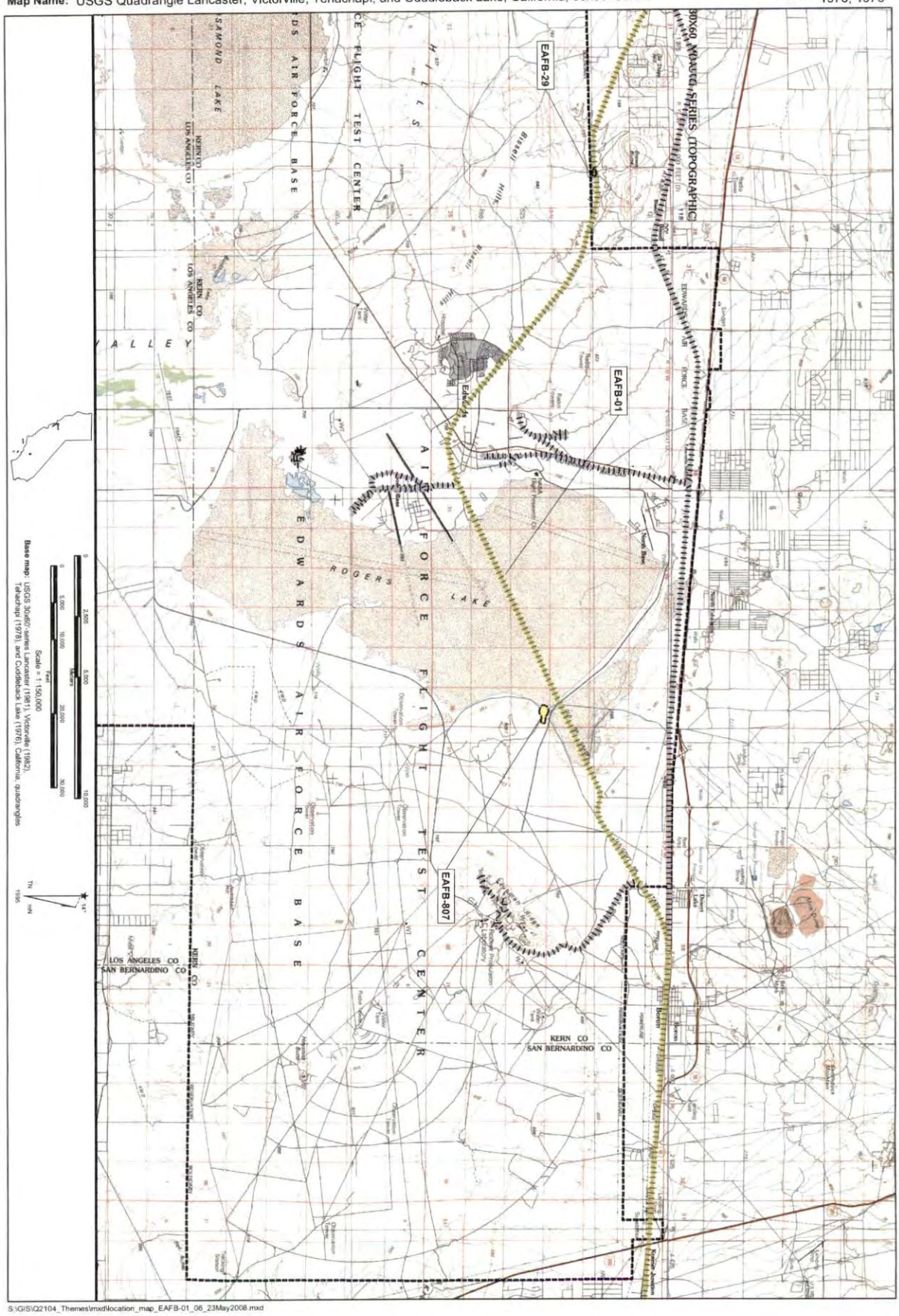
1853 Map of Passes in the Sierra Nevada: From Walker's Pass to the Coast Range. 1853. From Explorations and Surveys made under the Direction of the Hon. Jefferson Davis, Sec of War. Lieutenant R.S. Williamson, Top Eng., assisted by Lieut. J.G. Parke, top Eng. and Mr. Isaac Williams Smith, Civ Eng. Copy on file at Palmdale City Library.

LOCATION MAP

Map Name: USGS Quadrangle Lancaster, Victorville, Tehachapi, and Cuddleback Lake, California, 30x60'-Series

Date: 1981, 1982, 1978, 1976

UPDATE



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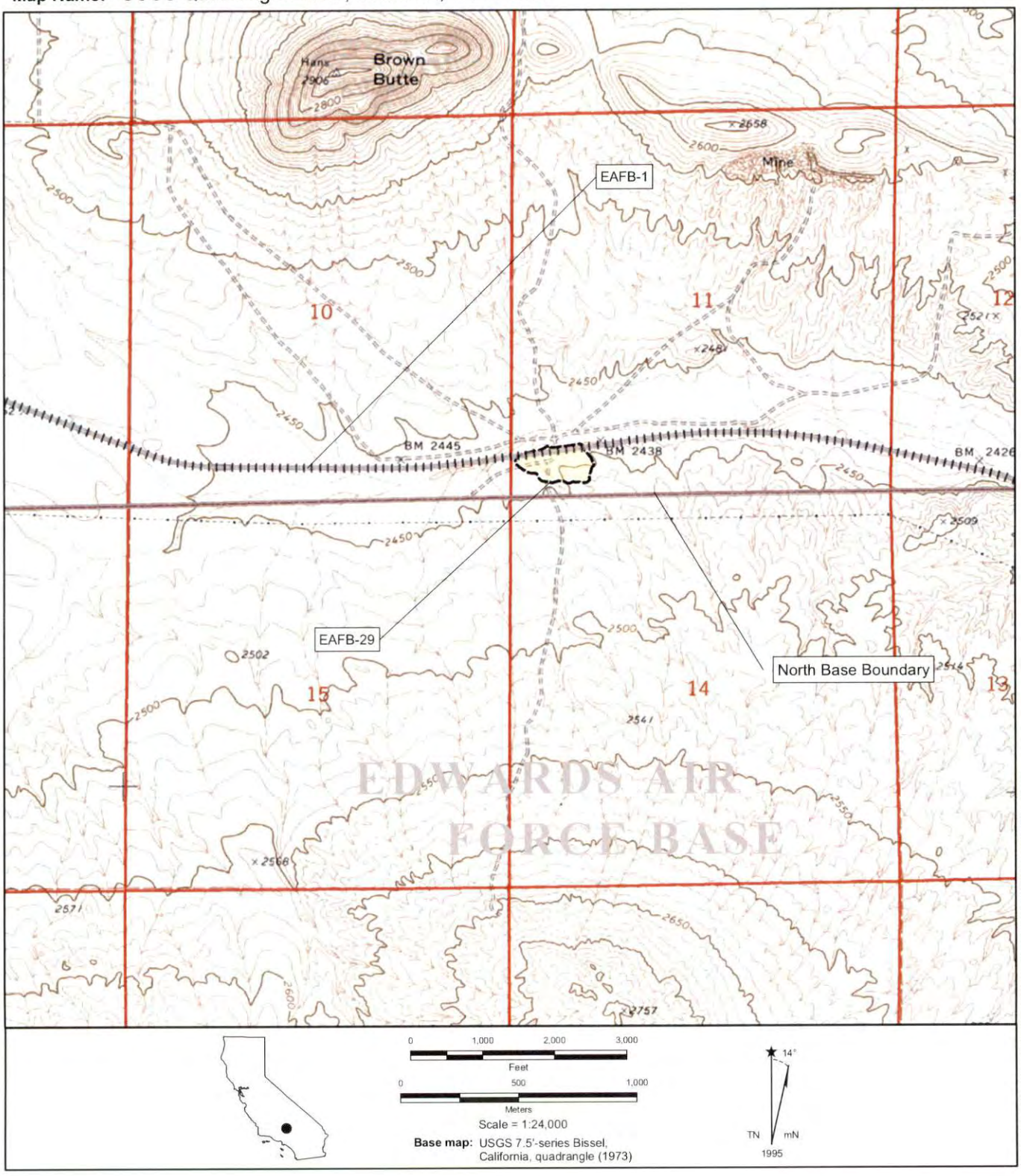
UPDATE

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #: P-15-000560
HRI #:
Trinomial: CA-KER-560H
EAFB Number: 1

LOCATION MAP

Map Name: USGS Quadrangle Bissel, California, 7.5'-Series **Date:** 1973



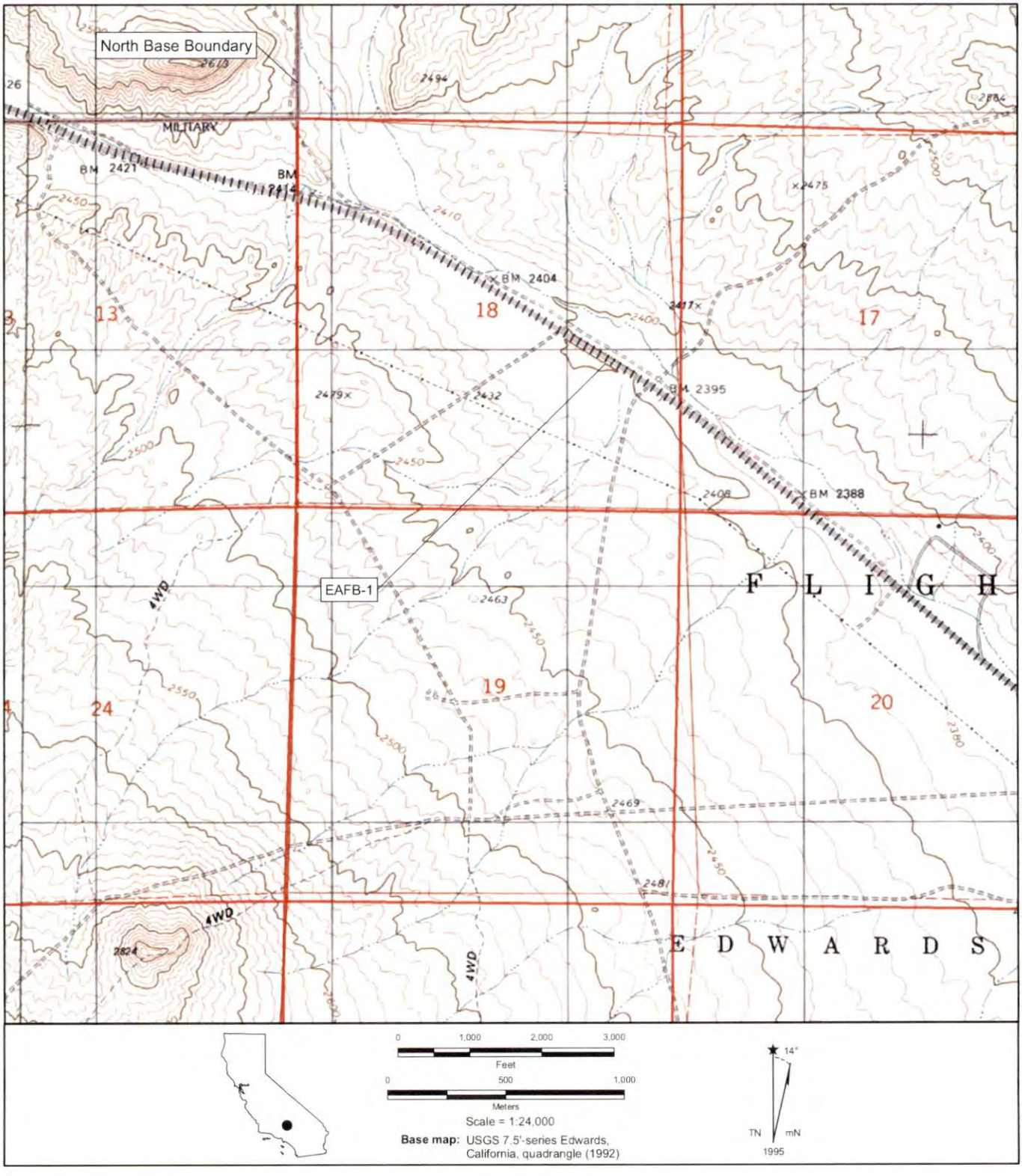
UPDATE

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #: P-15-000560
HRI #:
Trinomial: CA-KER-560H
EAFB Number: 1

LOCATION MAP

Map Name: USGS Quadrangle Edwards, California, 7.5'-Series **Date:** 1992



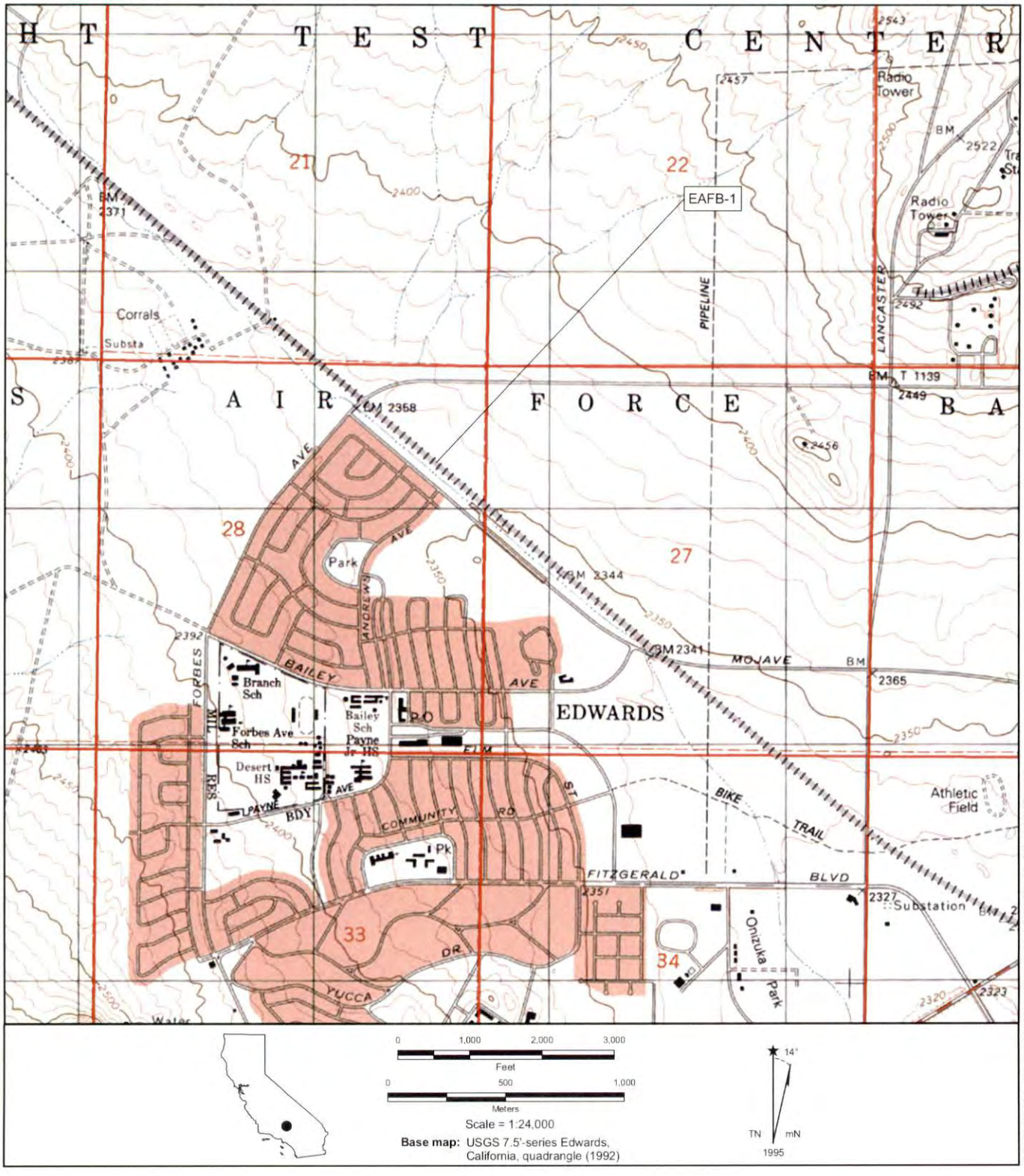
UPDATE

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #: P-15-000560
HRI #:
Trinomial: CA-KER-560H
EAFB Number: 1

LOCATION MAP

Map Name: USGS Quadrangle Edwards, California, 7.5'-Series **Date:** 1992



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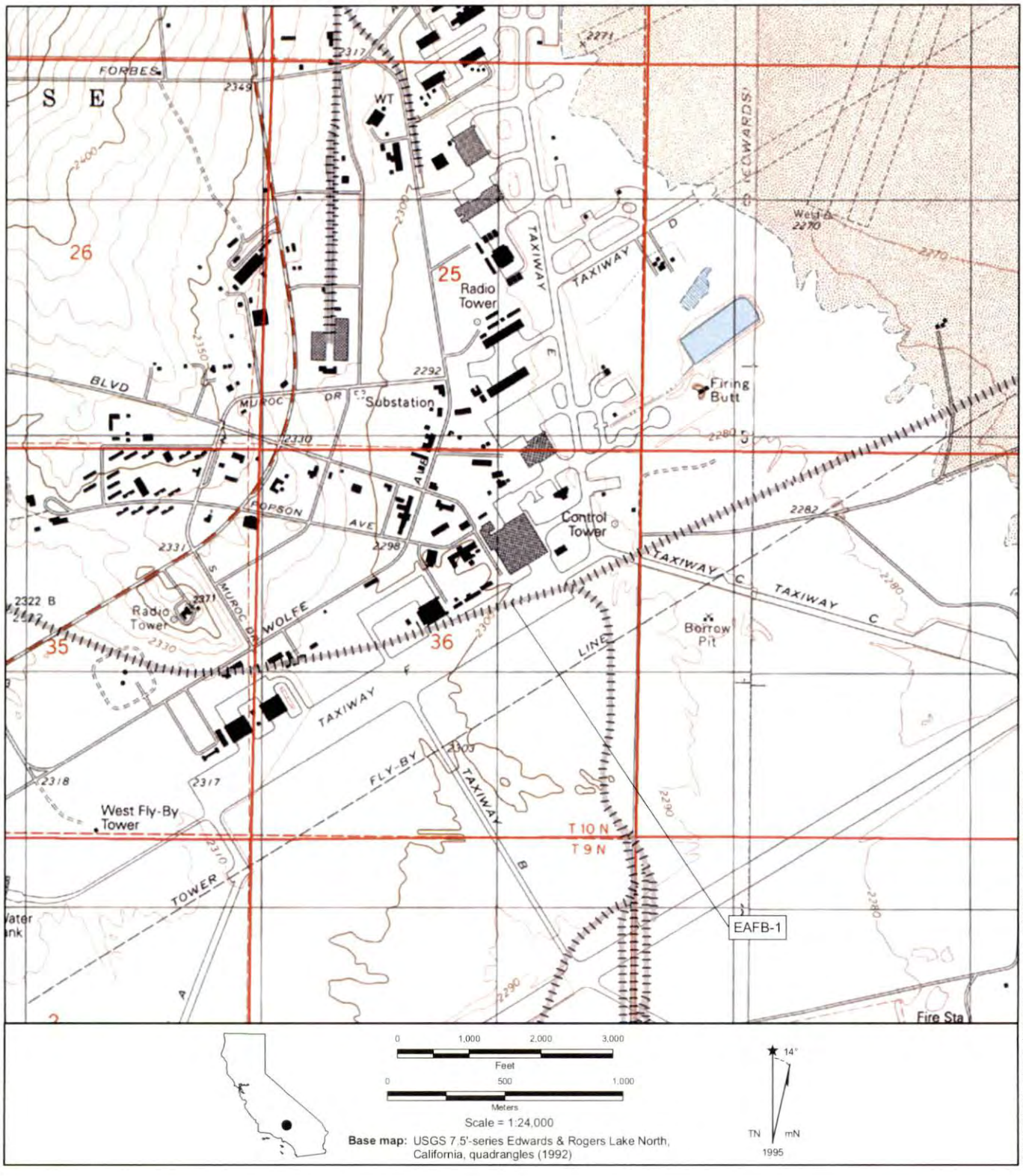
UPDATE

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #: P-15-000560
HRI #:
Trinomial: CA-KER-560H
EAFB Number: 1

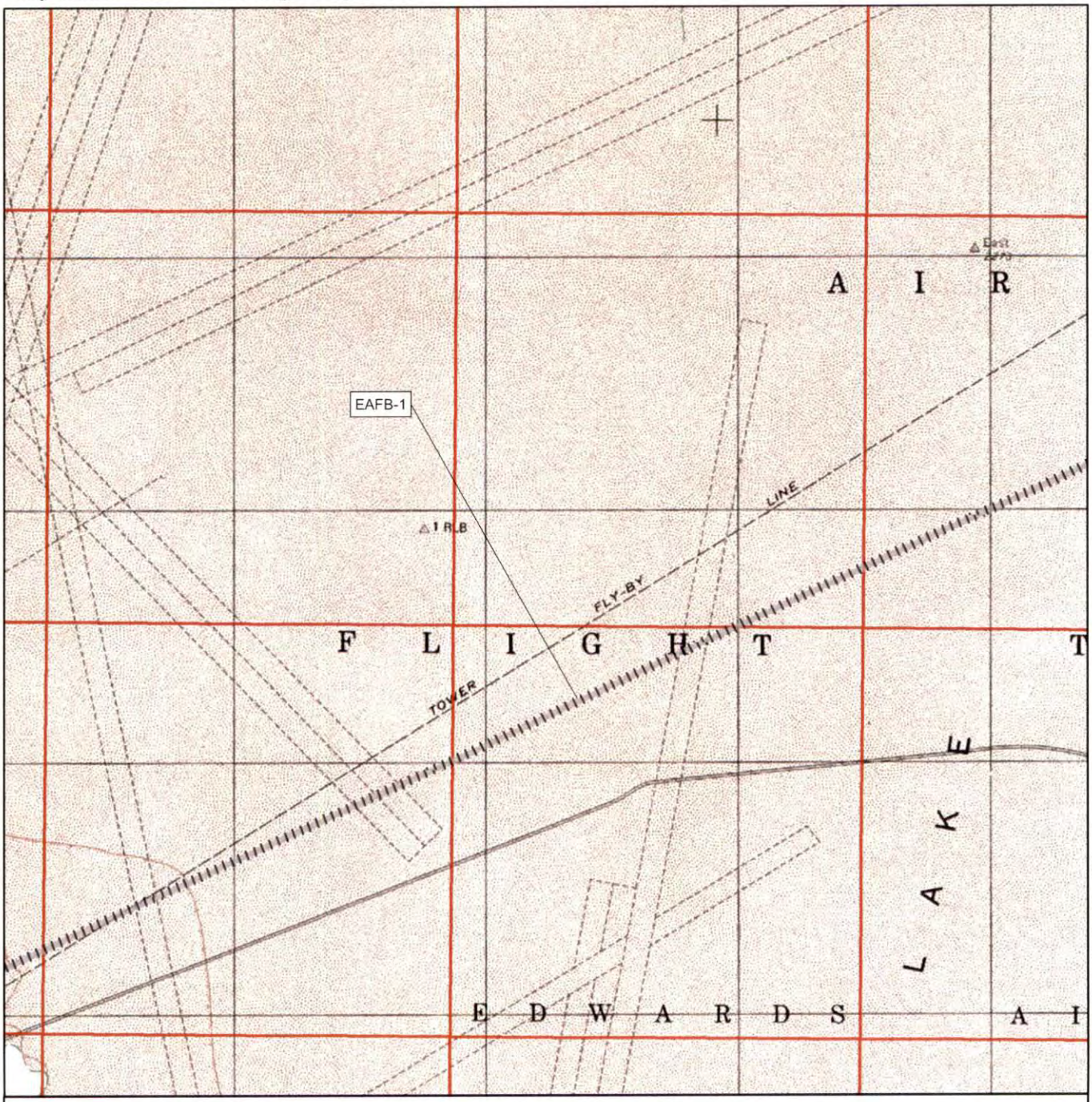
LOCATION MAP

Map Name: USGS Quadrangles Edwards & Rogers Lake North, California, 7.5'-Series **Date:** 1992



LOCATION MAP

Map Name: USGS Quadrangle Rogers Lake North, California, 7.5'-Series **Date:** 1992



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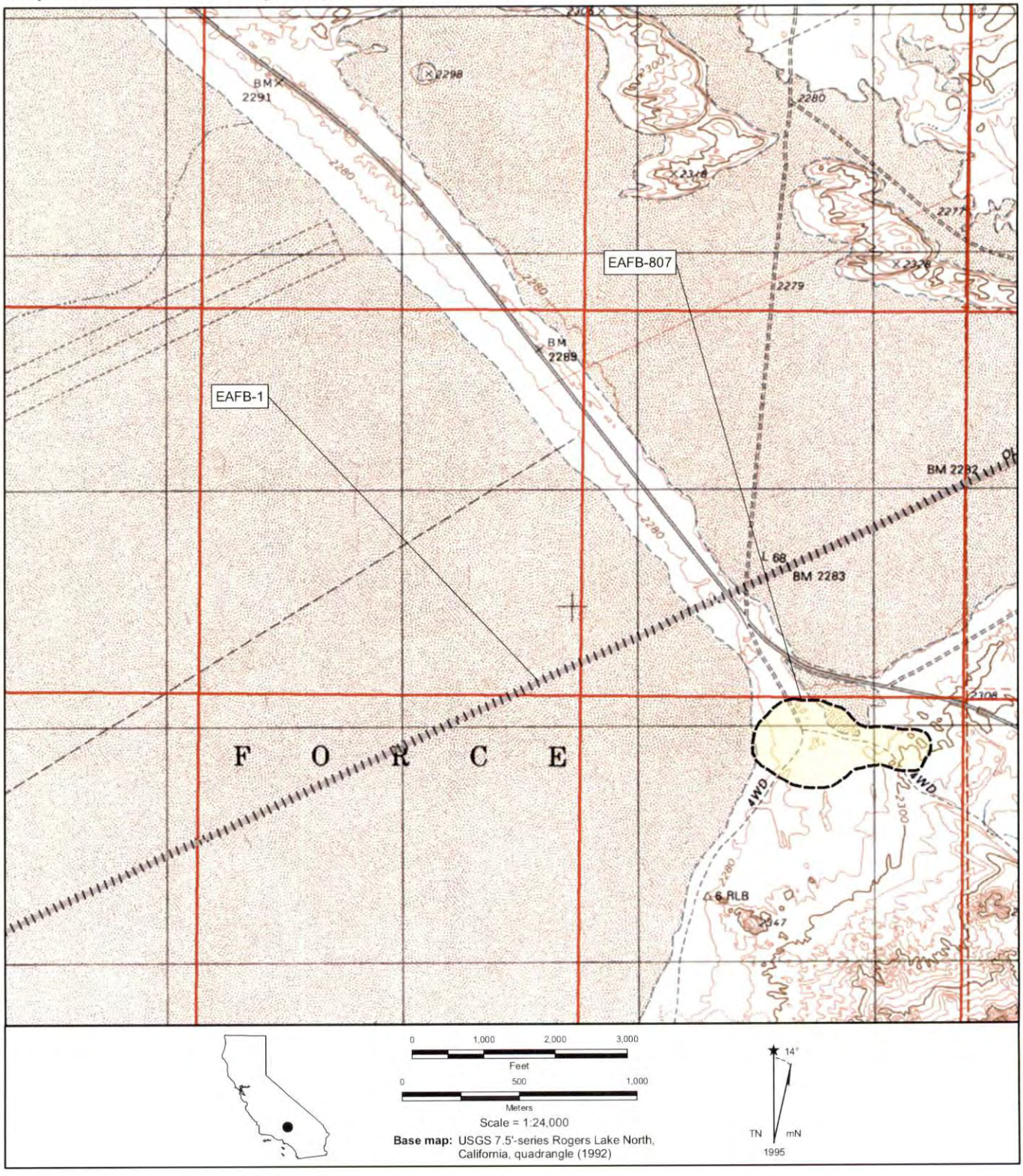
LOCATION MAP

Map Name: USGS Quadrangle Rogers Lake North, California, 7.5'-Series **Date:** 1992



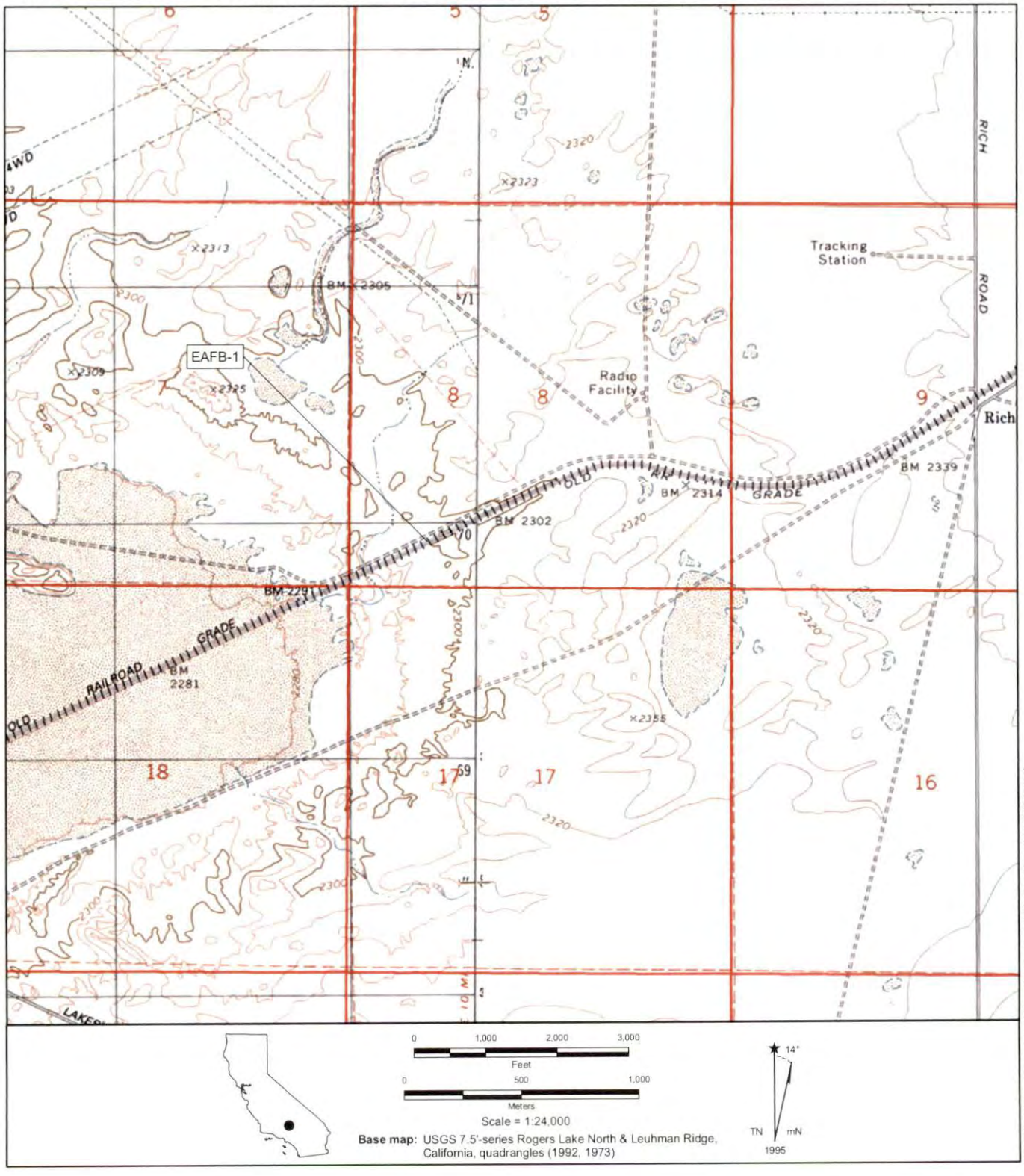
UPDATE

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #: P-15-000560
HRI #:
Trinomial: CA-KER-560H
EAFB Number: 1

LOCATION MAP

Map Name: USGS Quadrangles Rogers Lake North & Leuhman Ridge, California, 7.5'-Series **Date:** 1992, 1973



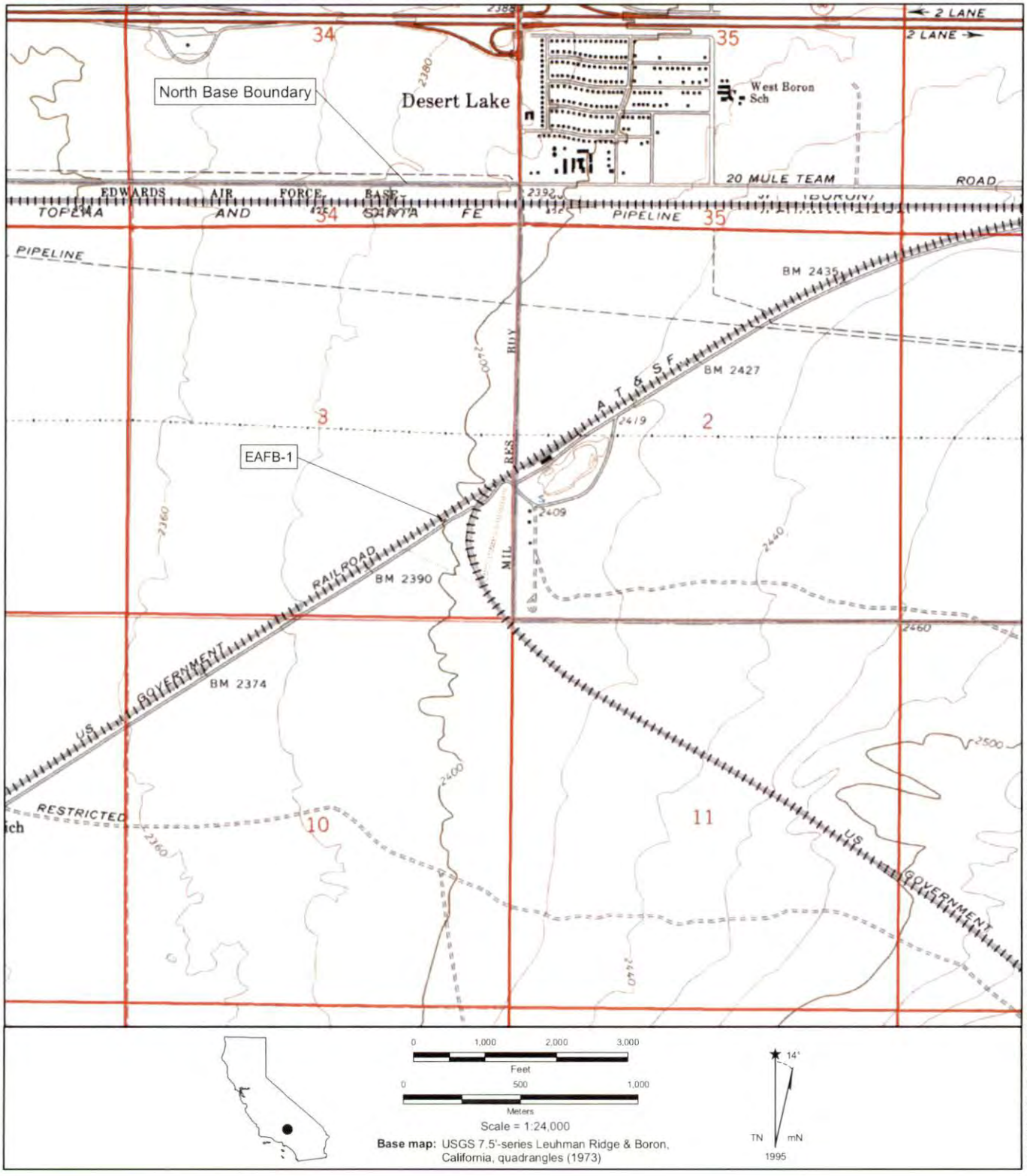
UPDATE

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #: P-15-000560
HRI #:
Trinomial: CA-KER-560H
EAFB Number: 1

LOCATION MAP

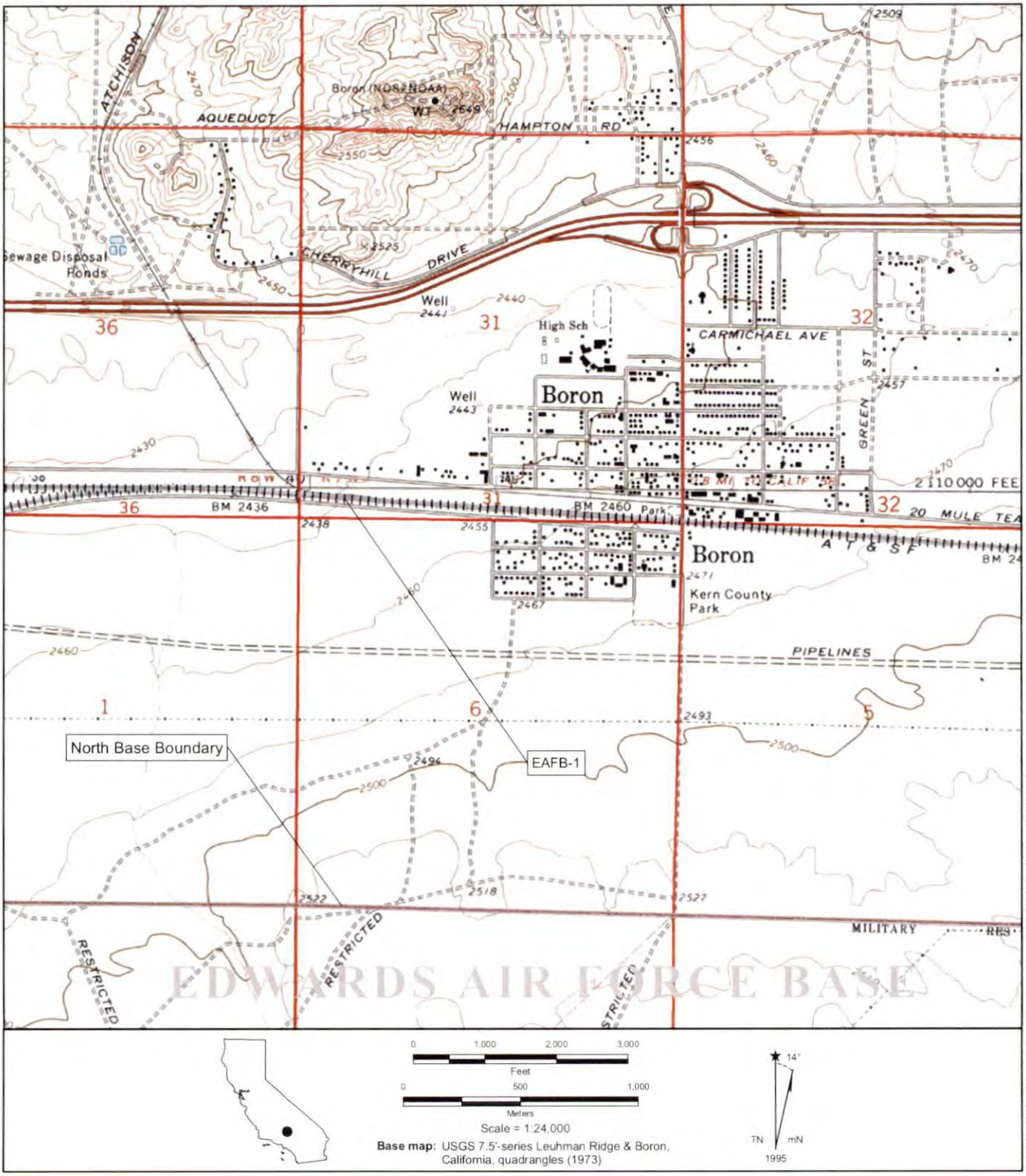
Map Name: USGS Quadrangles Leuhman Ridge & Boron, California, 7.5'-Series **Date:** 1973



UPDATE

LOCATION MAP

Map Name: USGS Quadrangles Leuhman Ridge & Boron, California, 7.5'-Series **Date:** 1973



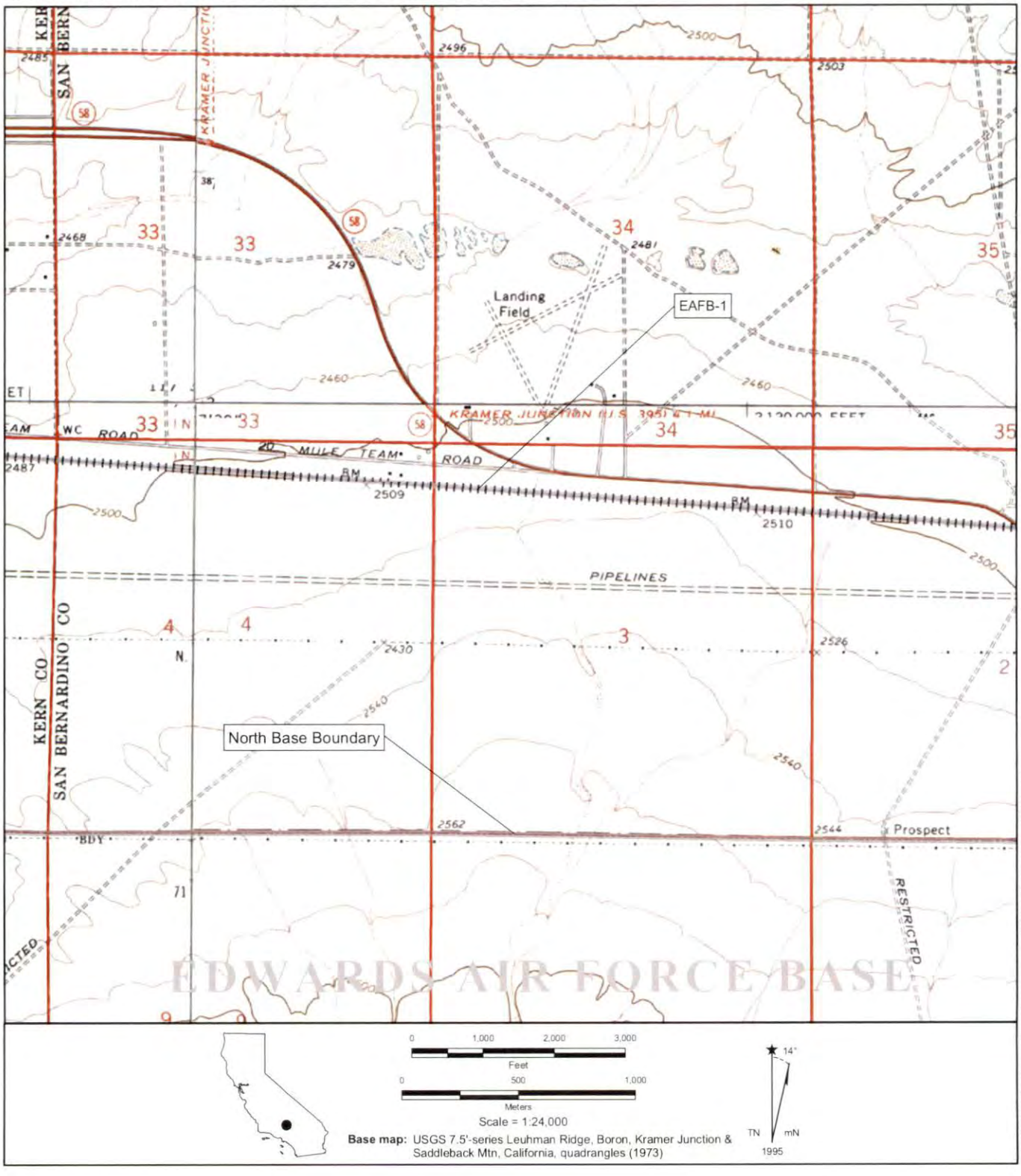
UPDATE

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #: P-15-000560
HRI #:
Trinomial: CA-KER-560H
EAFB Number: 1

LOCATION MAP

Map Name: USGS Quadrangles Leuhman Ridge, Boron, Kramer Junction & Saddleback Mtn, California, 7.5'-Series **Date:** 1973



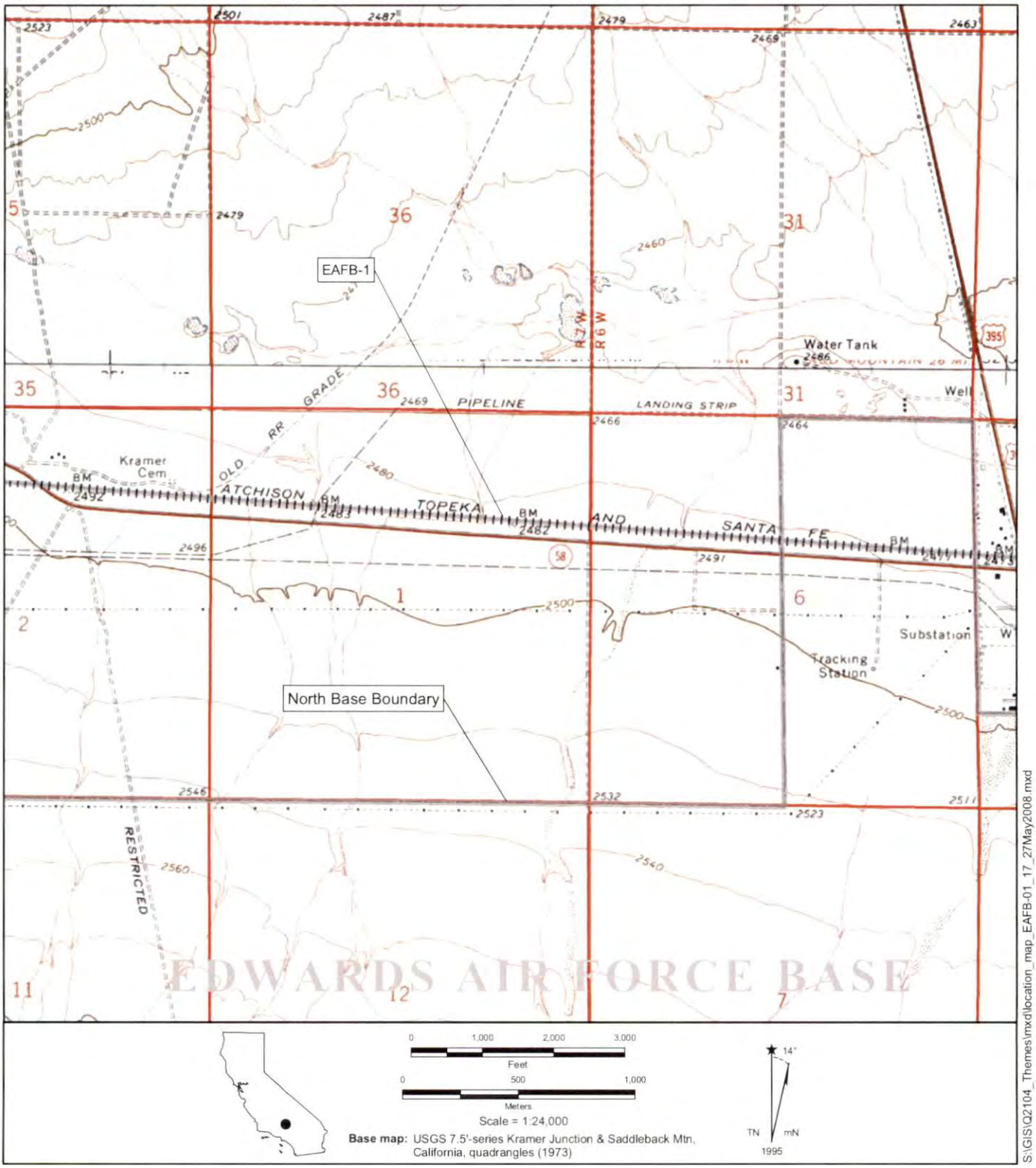
UPDATE

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary #: P-15-000560
HRI #:
Trinomial: CA-KER-560H
EAFB Number: 1

LOCATION MAP

Map Name: USGS Quadrangles Kramer Junction & Saddleback Mtn, California, 7.5'-Series **Date:** 1973



P-15-000560

Supplement

HARRY REID CENTER FOR ENVIRONMENTAL STUDIES
UNIVERSITY OF NEVADA, LAS VEGAS
PRIMARY RECORD

Primary # **SUPPLEMENT**
HRI#
Trinomial CA-KER-560H
NRHP Status Code 7

Other Listings
Review Code **Reviewer** **Date**

***Resource Name or #:** (assigned by recorder)
P1. Other Identifier:
***P2. Location:** √ **Not for Publication** □ **Unrestricted**
***a. County:** Kern
***b. USGS 7.5' Quad:** Leuhman Ridge, CA 7.5' USGS Topographic Map
Refer to existing documentation for UTM and legal information for this linear site; B.M. SBM
c. Address **City** **Zip**
d. UTM: (Give more than one for large and/or linear resources) Zone11 Refer to existing documentation for UTM and legal information for this linear site
e. Other Location Data:

***P3. Description:**
Patrick Haynal, et al. of RECON originally recorded the site on 2/15/88 during the Edwards AFB, Main Base Survey (R1755B), and described the site as an old railroad bed with tracks removed and two features consisting of small concrete boxes marking the location of former signals and associated trash scatter. M. Macko of Macko Archaeological Consulting revisited the site on 3/11/93 during the AT&T Lightguide Projet (Fiber Optic)- Victorville-Bakersfield, and described the site as the original alignment of the Southern Pacific Railroad built from Mojave east to Barstow in 1882. L. McGetrick and C. Onzol recorded the site on 11/23/94 during the Phase I cultural resources inventory for the proposed "Enlarge Existing Excavation Pit" (Air Force Form 813 #94-104), and described the site as the original alignment of the Southern Pacific Railroad with assorted refuse scattered along its length. W. Hayden, N. Rhodes, and G. Zanelli of Macko Archaeological Consulting visited the area on 4/17/95 during the HLC-95-1 project, and reported a trash scatter that is very likely a portion of a linear site that may have been already recorded. K. Lark, et al. of Computer Sciences Corporation, AFFTC revisited the site on 8/4/95 during a the Precision Impact Range Area (PIRA) Cleanup (AF Form 813 #92-078; Letter of Technical Direction 17P5D0011), and described the site as a linear refuse deposit situated parallel to the old railroad grade. On 8/8/96 M. Kimball and S. Cunkelmen of the Barstow Resource Area of the Bureau of Land Management visited the site to determine eligibility for the NRHP.

During field work conducted by HRC crews for the proposed Kern River Expansion Project, CA-KER-560H was relocated and visited. The existing documentation for the site is adequate.

CA-KER-560H is a linear transportation structure developed as a railroad right-of-way. Possessing integrity of location, the site is eligible under Criterion A. Like the other early roads and railways of the region, the site is a monument to early travel in the West, and is associated with an event (railroad construction) that has made a significant contribution (development of transportation allowing western expansion) to the broad pattern of our nation's history.

***P4. Resources Present:** □ Building □ Structure □ Object √ Site □ District □ Element of District □ Other (Isolates)
P5a. Photograph or Drawing: See Attached
P5b. Description of Photo: See Attached
***P6. Date Constructed/Age and Source:** √ Historic □ Prehistoric □ Both
Existing site documentation
***P7. Owner and Address:** Bureau of Land Management
1695 Spruce Street Riverside, CA 92507

P-15-000560

Supplement

***P8. Recorded By:** Jeffrey R. Wedding, Archaeologist
Harry Reid Center for Environmental Studies (HRC)
University Nevada, Las Vegas
4505 Maryland Pkwy, Box 454009
Las Vegas, NV 89154-4009

***P9. Date Recorded:** 08/01/01

***P10. Survey Type:** Revisits and updates to previously recorded archaeological sites along the proposed centerline of the Kern River Expansion Project.

***P11. Report Citation:** Addendum to the following report:

Blair, Lynda M., Jeffrey R. Wedding, William G. White, Diane L. Winslow, Susan Murphy, David Smee, Wendy Andrejack, and Amy Brock

2001 *Cultural Resource Class I and Class II Investigations for the Proposed 2003 Kern River Expansion Project - California.* Williams Gas Pipeline Company. Harry Reid Center for Environmental Studies, marjorie Barrick Museum of Natural History, University of Nevada-Las Vegas. HRC Report 5-150-14(2).

***Attachments:** DPR 523 Forms I, J, and Photographs

P-15-000560

Supplement

HARRY REID CENTER FOR ENVIRONMENTAL STUDIES
UNIVERSITY OF NEVADA, LAS VEGAS
PHOTOGRAPHIC RECORD

Primary # **SUPPLEMENTS**

Trinomial CA-KER-560H

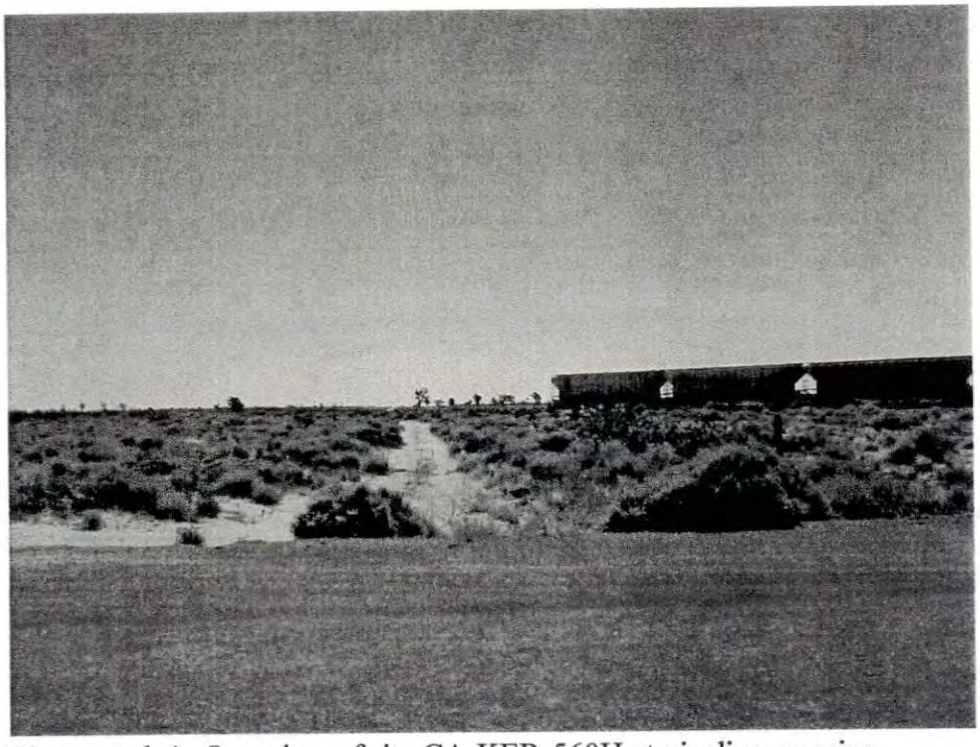
***Resource Name or #:** (assigned by recorder)
Project Name: 2003 Kern River Expansion Project (KREP)
Camera Format: Olympus D360L Digital Camera
Film Type: Digital Images in .jpg Format **Kept at:** HRC-UNLV

Month	Day	Time	File Number	Subject/Description	View Toward	Accession #
08	01	AM	P8010025	Overview at pipeline crossing	E	

DPR 523I

P-15-000560

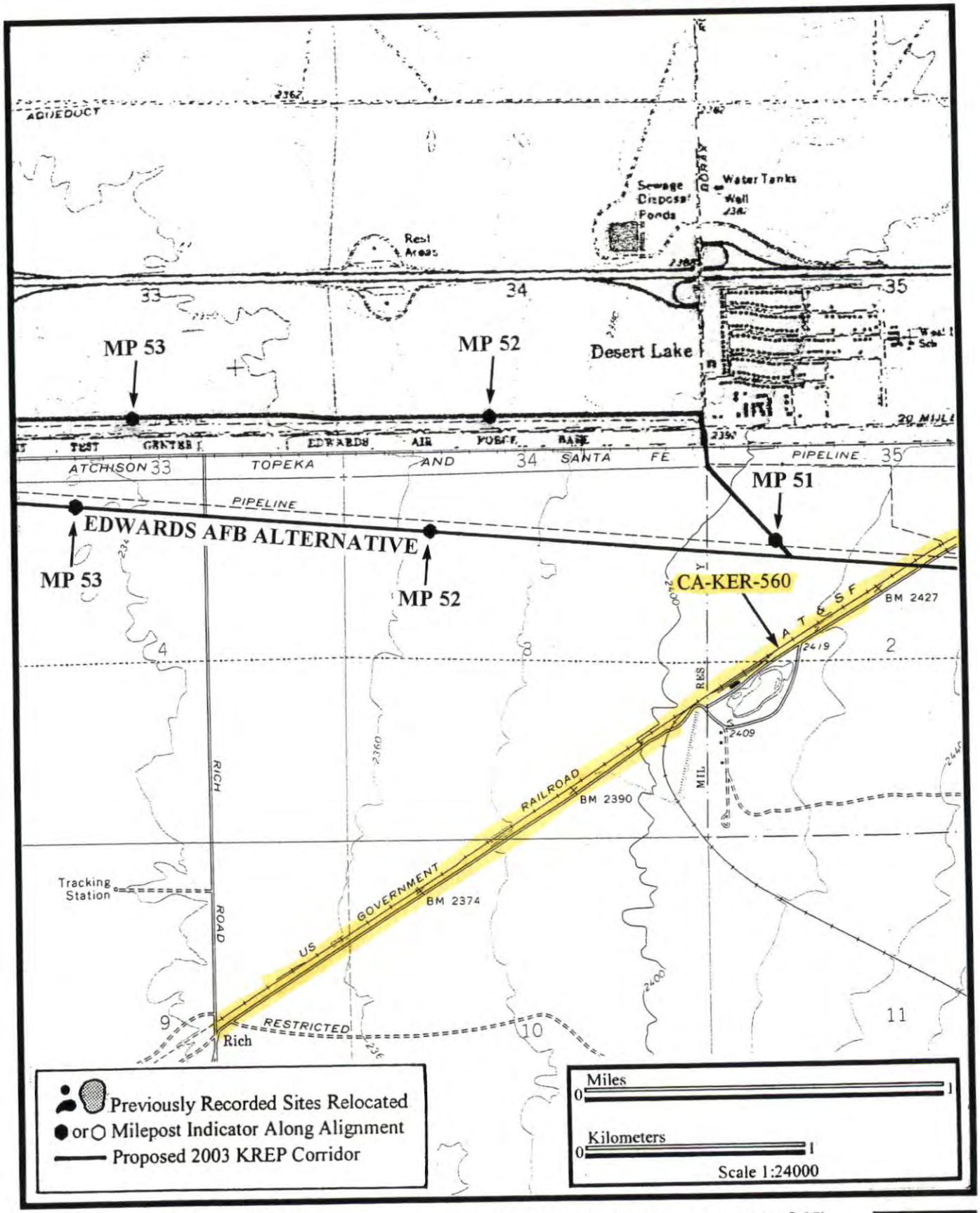
Supplement



Photograph 1. Overview of site CA-KER-560H at pipeline crossing looking east.

P-15-000560

Supplement



HARRY REID CENTER
FOR ENVIRONMENTAL STUDIES
UNIVERSITY OF NEVADA-LAS VEGAS

Project: 2003 Kern River Expansion Project
County: Kern

Map #54. Project Location (54 of 65).
Quad: Leuhman Ridge, CA and
Boron, CA
7.5' USGS Topographic Maps
(Williams Supplied USGS.DRGs)



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD
Supplement

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H Update
NRHP Status Code
Other Listings
Review Code _____ Reviewer _____ Date _____

*Resource Name or #: (Assigned by recorder)

P1. Other Identifier: Atchison, Topeka & Santa Fe Railroad

*P2. Location: ☒ Not for Publication ☐ Unrestricted

*a. County Kern and P2c, P2e, and P2b or P2d. (Attach Location Map as necessary.)

*b. USGS 7.5′ Quad Mojave Date 1994 T 11N ; R 2W: SW ¼ of NE ¼ of Sec 21; SB B.M.
Leuhman Ridge Date 1973 T 10N ; R 8W NW ¼ of NE ¼ of Sec 2 ; SB B.M.

c. Address City Zip

d. UTM: (Give more than one for large and/or linear resources) Zone: 11 ; 393550 mE / 3877100 mN
Zone: 11 ; 436870 mE / 3872560 mN

*e. Other Locational Data: (E.g., parcel #, directions to resource, elevation, etc., as appropriate.) The All American Pipeline route crosses the Atchison, Topeka & Santa Fe Railway twice, once just south of Mojave and again just east of Boron. The first crossing can be found from the junction of State Route 14 and State Route 58 in the town of Mojave. Take Route 14 south for 1 mile. The project corridor crosses the railroad approximately 0.7 miles east of State Route 14. The second crossing is just outside of Edwards Air Force Base. From The Rocket Propulsion Laboratory at the Air Force Flight Test Center, take Mercury Boulevard southeast until it is intersected by Rich Road at about 2.75 miles. Head north on Rich Road about 4.4 miles, at which point it crosses a government rail line. The All American Pipeline crosses the same rail line approximately 1.35 miles northeast of this point, where the rail line becomes the Atchison, Topeka & Santa Fe Railroad. The UTMs refer to the intersections of the All American Pipeline and the railroad.

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries.) This sites consist of a two segments of the same railroad which connects Mojave to Needles. Originally built by Southern Pacific in 1882-1883, it was soon after acquired by Atlantic and Pacific. It is currently part of the Santa Fe System and has been extensively modified and improved over the years. No features with historic integrity were encountered in either railroad segment at the point it was intersected by the All American Pipeline 100' corridor during the current survey.

*P3b. Resource Attributes: (See attributes and codes) AH7 - Road/Trail/Rail bed

*P4. Resources Present: ☐ Building ☐ Structure ☐ Object ☒ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photo or Drawing (Photo required for buildings, structures, and objects.)

P5b. Description of Photo: (View, date, accession #) None

*P6. Date Constructed / Age and Sources: ☒ Historic ☐ Prehistoric ☐ Both

*P7. Owner and Address:
Santa Fe Railroad

*P8. Recorded by: (Name, affiliation, and address)
Dr. J. Underwood
KEA Environmental, Inc.
1420 Kettner Blvd., Ste. 620
San Diego, CA 92101

*P9. Date Recorded: 11/28/00

*P10. Survey Type: (Describe)
Intensive Pedestrian Survey

*P11. Report Citation: (Cite Survey report and other sources, or enter "none.")
Cultural Resources Survey of the All American Pipeline Conversion Project from Mettler, Kern County, California to Daggett, San Bernardino County, California.

*Attachments: ☐ None ☒ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record ☐ Linear Resource Record ☐ Archaeological Record ☐ District Record ☐ Milling Station Record ☐ Rock Art Record ☐ Artifact Record ☐ Photograph Record ☐ Other (List)

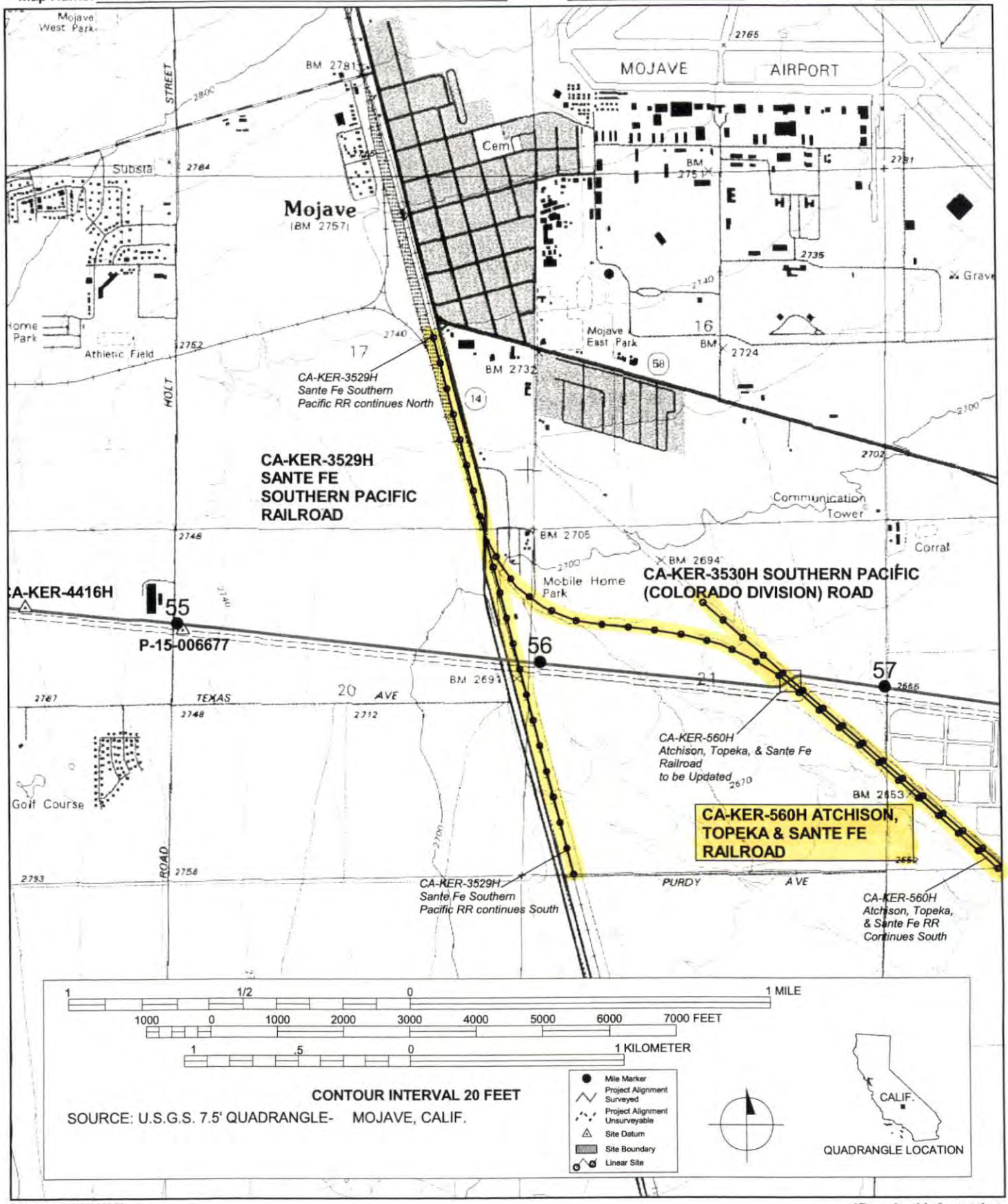
Supplement

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H

* Resource Name or # (Assigned by recorder)

* Map Name: MOJAVE * Scale: 1:24,000 * Date of Map: 1994



*Required Information

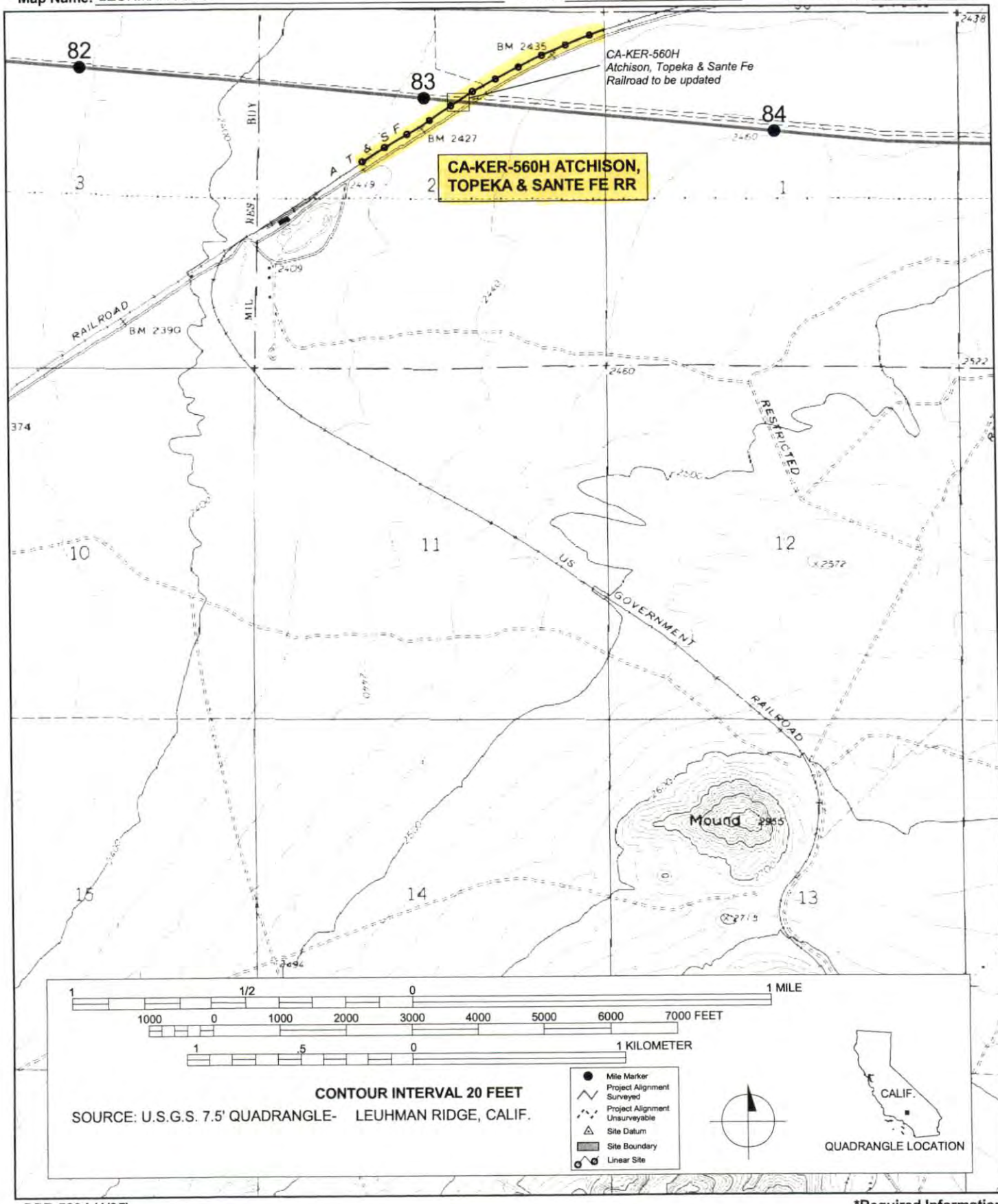
State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # P-15-000560
HRI #
Trinomial CA-KER-560H

Page 3 of 3 * Resource Name or # (Assigned by recorder)

* Map Name: LEUHMAN RIDGE * Scale: 1:24,000 * Date of Map: 1973



DPR 523J (1/95)

*Required Information

P-15-000560 H

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Supplement

Primary #
HRI #
Trinomial CA-Ker- 560 H
NRHP Status Code
Other Listings
Review Code Reviewer Date

Page 1 of 3 *Resource Name or #: (Assigned by Recorder) C-3-12-35

P1. Other Identifier:

*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County Kern

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad Bissell (186A) Date 1973 T 10 N ; R 11 W ; NE ¼ of NW ¼ of Sec 8 ; SBM B.M.

c. Address City Zip

d. UTM: (Give more than one for large and/or linear resources) Zone: 11 ; 402400 mE/ 3871120 mN

e. Other Locational Data: (e.g. parcel #, directions to resource, elevation, etc., as appropriate)

*P3a. Description (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The resource is a 40 meter long segment of the abandoned Atchison, Topeka, and Santa Fe Railroad route. Only the raised grade remains which is now used for vehicle access. The grade is approximately 15 feet wide and 6 feet high. No historic artifacts were located at this segment.

from KER 560

*P3b. Resource Attributes: (List attributes and codes) AH7. Railroad grade

*P4. Resources present: ☐ Building ☒ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects)

P5b. Description of Photo: (View, date, accession #) Mojave CD #6, Frame 47

*P6. Date Constructed/Age and Sources: ☒ Historic ☐ Prehistoric ☐ Both unknown

*P7. Owner and Address: Private - unknown

*P8. Recorded by: (Name, affiliation, and address) T. O'Brien
Jones & Stokes Associates
2600 V Street, Ste. 100
Sacramento CA 95818-1914

*P9. Date Recorded: 2 Aug. 1998

*P10. Survey Type: (Describe) Intensive pedestrian survey.

*P11. Report Citation: (Cite survey report and other sources, or enter "none.") Cultural Resource Inventory Report for the AT&T Corp. Cable Upgrade Project, Los Angeles, Kern, and San Luis Obispo Counties, California.

*Attachments: NONE ☒ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☒ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☒ Photograph Record ☐ Other (List):

DPR 523A (1/95) *Required Information

P-15-000560

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary #
HRI #
Trinomial
Supplement

Page 2 of 4 *Resource Name or #: (Assigned by Recorder) C-3-12-35

L1. Historic And/or Common Name: Atchison, Topeka, and Santa Fe Railroad

L2a. Portion Described: ☐ Entire Resource ☒ Segment ☐ Point Observation Designation: C-3-12-35

b. Location of point or segment: (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map)
see P2e.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
The grade is constructed of earth and gravel and is approximately 6 feet high. The rails and ties have been removed.

L4. Dimensions: (In feet for historic features and meters for prehistoric features)
a. Top Width 15 feet
b. Bottom Width estimated 25 feet
c. Height or Depth 6 feet
d. Length of Segment 40 meters

L5. Associated Resources:
none noted

L4e. Sketch of Cross-Section (include scale) Facing:
see photo attached.

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
The resource is located on flat terrain covered by Mojave Desert scrub.

L7. Integrity Considerations:
Since the resource consists only of the grade, it has no physical integrity.

L8a. Photograph, Map or Drawing

L8b. Description of Photo, Map, or Drawing (View, scale, etc.)
Photo overview facing NW.

L9. Remarks:

L10. Form Prepared by: (Name, affiliation, and address)
T. O'Brien
Jones & Stokes Associates, Inc.
Sacramento, CA

L11. Date:

DPR 523E (1/95)

P-15-000560

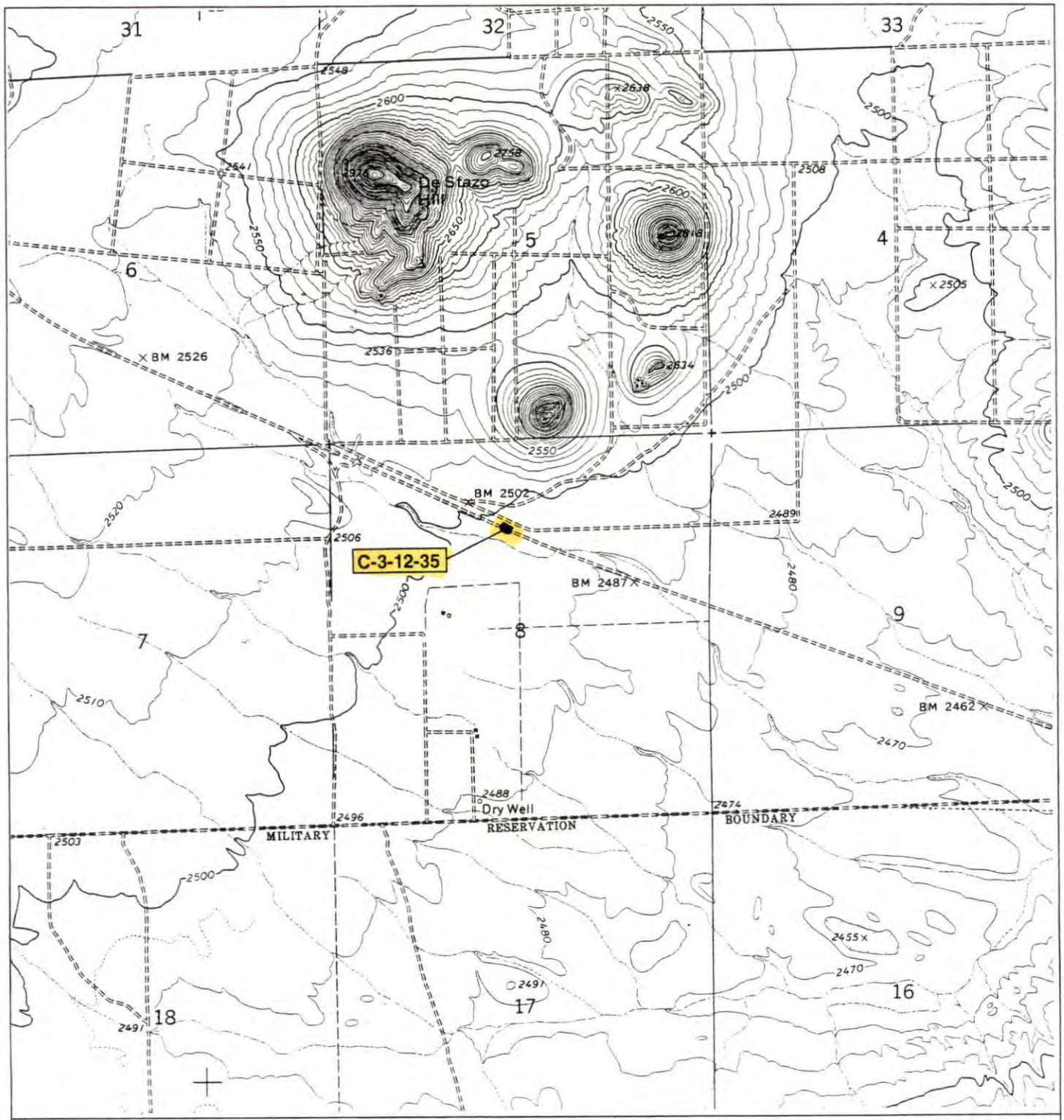
State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____ Supplement
Trinomial _____

*Resource Name or #: C-3-12-35

*Map Name: Bissell, California *Scale: 1:24,000 (1"=2,000') *Date of Map: 1973



*Required information

P-15-000560

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PHOTOS

Primary # _____
HRI # _____ Supplement
Trinomial _____

Resource Name or #: C-3-12-35



Overview of abandoned railroad grade facing northwest

P-10-000 560

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary #
HRI #
Supplement
Trinomial CA-Ker- 560 H
NRHP Status Code
Other Listings
Review Code Reviewer Date

Page 1 of 4 *Resource Name or #: (Assigned by Recorder) C-3-432-18

P1. Other Identifier: Atchison, Topeka & Santa Fe Railroad

*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County Kern

and (P2b and P2c or P2d. Attach a Location Map as necessary.)

*b. USGS 7.5' Quad Sanborn, Calif. (211 D) Date 1973 T 11 N ; R 11 W ; SE ¼ of SW ¼ of Sec 34 ; SBM B.M.

c. Address City Zip

d. UTM: (Give more than one for large and/or linear resources) Zone: 11 ; 405740 mE/ 3873440 mN

e. Other Locational Data: (e.g. parcel #, directions to resource, elevation, etc., as appropriate)

*P3a. Description (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)

The resource is a segment of the Atchison, Topeka, & Santa Fe Railroad line as it crosses from the town of Mojave and heads to Boron and Kramer Junction. The railroad consists of one set of standard-gauge tracks and is still in use and maintained.

*P3b. Resource Attributes: (List attributes and codes) HP 11. Engineering Structure (railroad line segment)

*P4. Resources present: ☐ Building ☒ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (isolates, etc.)

P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects)

P5b. Description of Photo: (View, date, accession #) Mojave CD #1, Frames 12 & 13.

*P6. Date Constructed/Age and Sources: ☒ Historic ☐ Prehistoric ☐ Both

*P7. Owner and Address:
Burlington Northern & Santa Fe
3001 Lou Menk Drive
Fort Worth, TX 76131

*P8. Recorded by: (Name, affiliation, and address) T. O'Brien
Jones & Stokes Associates, Inc.
2600 V Street, Ste. 100
Sacramento, CA 95818-1914

*P9. Date Recorded: 16 June 1998

*P10. Survey Type: (Describe)
Intensive pedestrian survey.

*P11. Report Citation: (Cite survey report and other sources, or enter "none.") Cultural Resource Inventory Report for the AT&T Corp. Cable Upgrade Project, Los Angeles, Kern, and San Luis Obispo Counties, California.

*Attachments: NONE ☒ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☒ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☒ Photograph Record ☐ Other (List):

DPR 523A (1/95)

*Required Information

P-15-000560

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary #
HRI #
Trinomial
Supplement

Page 2 of 4 *Resource Name or #: (Assigned by Recorder) C-3-432-18

L1. Historic And/or Common Name:

L2a. Portion Described: ☐ Entire Resource ☐ Segment ☒ Point Observation Designation: C-3-432-18

b. Location of point or segment: (Provide UTM coordinates, legal description, and any other useful locational data. Show the area that has been field inspected on a Location Map)
The location of the point of observation is UTM coordinates 405740mE; 3873440mN, T 11N, R 11 W, on Sanborn, CA Quadrangle.

L3. Description: (Describe construction details, materials, and artifacts found at this segment/point. Provide plans/sections as appropriate.)
The resource consists of one set of standard-gauge tracks constructed of steel rails with wooden ties resting on a low, gravel covered grade. No features were identified with this resource.

L4. Dimensions: (In feet for historic features and meters for prehistoric features)
a. Top Width (of grade) approx. 10 feet
b. Bottom Width approx. 20 feet
c. Height or Depth 3 feet
d. Length of Segment 40 meters

L5. Associated Resources:

L4e. Sketch of Cross-Section (include scale) Facing:

L6. Setting: (Describe natural features, landscape characteristics, slope, etc., as appropriate.)
On valley floor flanked by Mojave Desert scrub community of grasses, shadscale and Joshua Trees.

L7. Integrity Considerations:
Only the route is historic: the components are continually maintained.

L8a. Photograph, Map or Drawing

L8b. Description of Photo, Map, or Drawing (View, scale, etc.)
Photos (see photo sheet) show cross views of railroad facing north and south.

L9. Remarks:

L10. Form Prepared by: (Name, affiliation, and address)
T. O'Brien
Jones & Stokes Associates, Inc.

L11. Date: 16 June 1998

P-15-000560

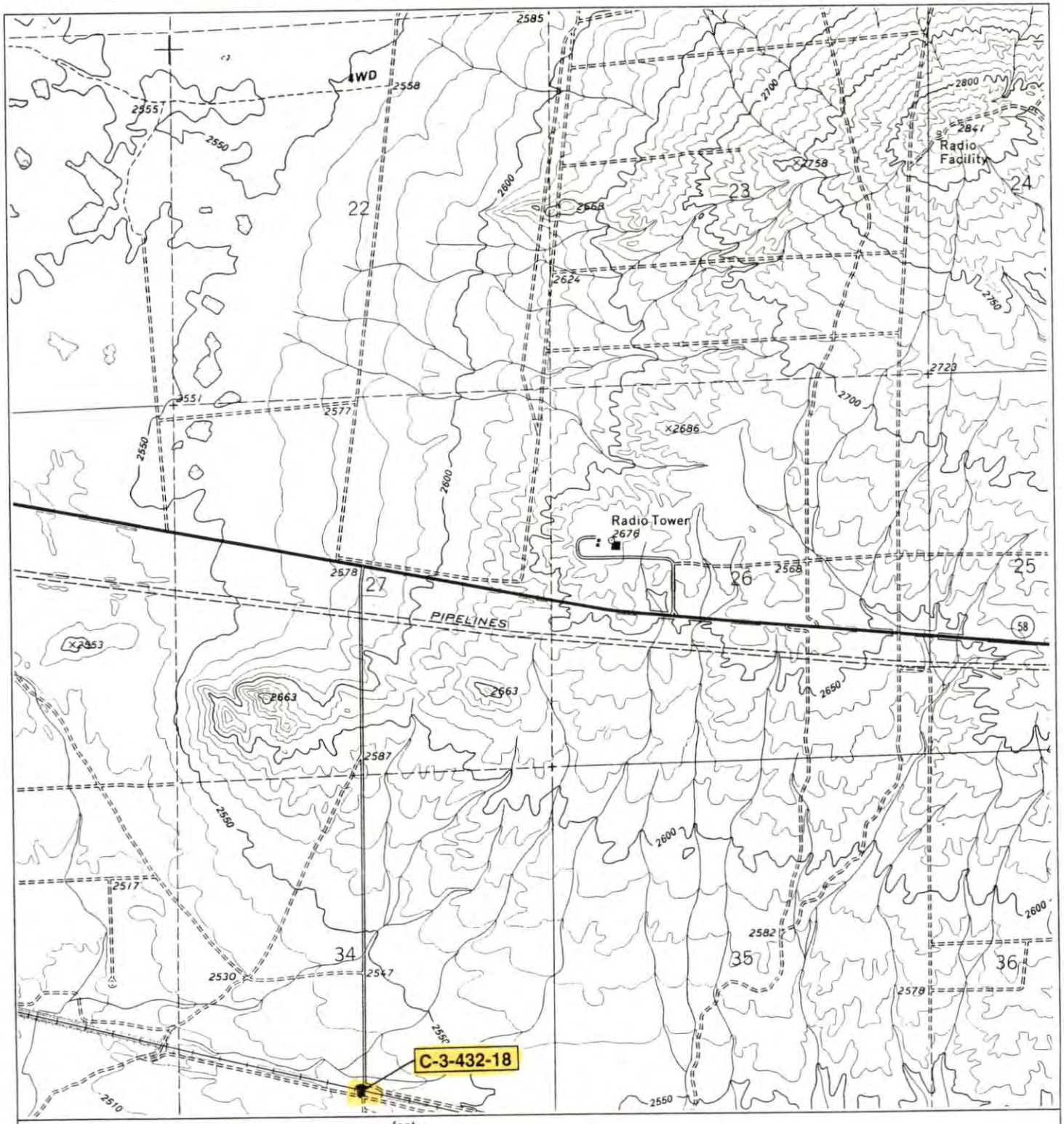
State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # _____
HRI # _____ Supplement
Trinomial _____

*Resource Name or #: C-3-432-18

*Map Name: Sanborn, California *Scale: 1:24,000 (1"=2,000') *Date of Map: 1973



DPR 523J (1/95)

*Required information

P-15-000056

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

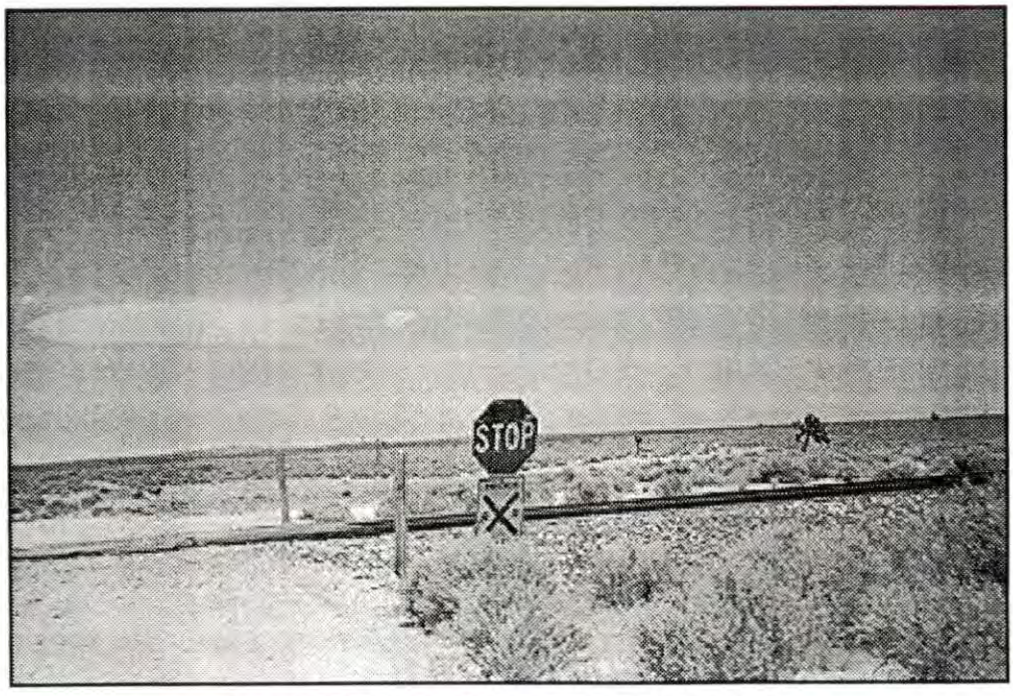
PHOTOS

Primary # _____
HRI # Supplement
Trinomial _____

Resource Name or #: C-3-432-18



Overview of railroad at cable crossing facing south



Overview of railroad at cable crossing facing north

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State of California —The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

UPDATE

Primary # _____
HRI #/Trinomial CA-KER-560-H

Page 1 of 3
Resource Identifier:

☐ Continuation x Update

P3. Site Description:

On August 8, 1996 Marcia Kimball and Sarah Cunkelmen, archeologists for the Barstow Resource Area of the Bureau of Land Management, went to look at a piece of land approximately six miles southeast of Mojave that lies on a proposed land exchange. The land is located in T10N, R11W in the SW 1/4 of Section. The Atchison, Topeka and Santa Fe Railroad goes through the parcel and needs to be evaluated for its eligibility for the NRHP. In order to do that, parallel transects were walked on each side of the railroad line from the east to west boundaries of the parcel. Kimball walked within 15-20 meters of the railroad burm on the north side, while Cunkelman did the same on the south side. The following is a list of the older cultural material in the order it was observed going from east to west. The recent cultural debris was not recorded.

On the north side of RR burm

- Five rusted metal barrel bands
- Brown porcelin insulator
- Rusted metal machinery part
- Milk can with match stick center top
  Height: 2 3/4 "
  Diameter: 2 1/2 "
- Teal glass bottle frag Ca 1/4 " thick (older looking)
- Concrete railroad switching box (Macko's signal light box)
- Ceramic frag with light tan glaze (Like a Mason jar frag)
- Two rusted metal barrel bands
- Wooden culvert passing through the AT&SF RR burm

On the south side of the RR burm

- Wood RR tie frag with "W-112" on the end of the tie
- Circular mounded feature with cobbles
- Four barrel bands near mound
- A clear glass insulator frag, and a teal glass insulator frag
- Coca Cola bottle frag embossed with "1948 Santa Fe N. Mex."
- Metal railroad bolt
- Modern trash from the late 1950s-1960s. Mainly beer cans, and fruit tins, plus one square meat can, like a Spam can
- Three rusted metal barrel bands
- Metal railroad spike
- Insulator with "LA pp 1500 1955" in raised letters. Unusual gold colored ceramic material.
- Military C ration cans
- A thin metal railroad spike

P11. Report Citation: Cultural Resource Testing and Evaluation for the Cory and Minn Parcels of the Loomis Land Exchange Kern County, California. Marcia Kimball, December 1996. AIC# KE-101

A17. Photographs: Photos were taken of the AT&SF RR burm and a woodn culvert running through the burm on the western edge of the project parcel on 8/8/96. The original negatives are located in the cultural resource files at the Barstow BLM office on 150 Coolwater Lane in Barstow, CA.

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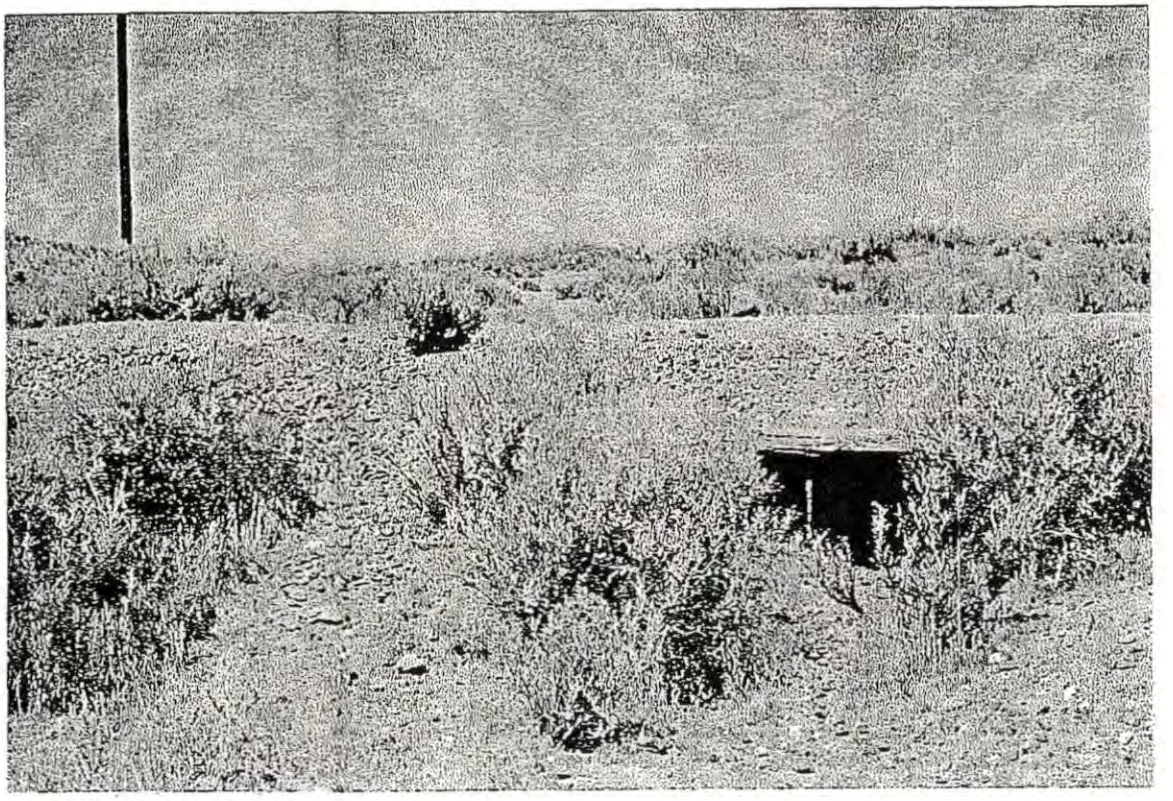
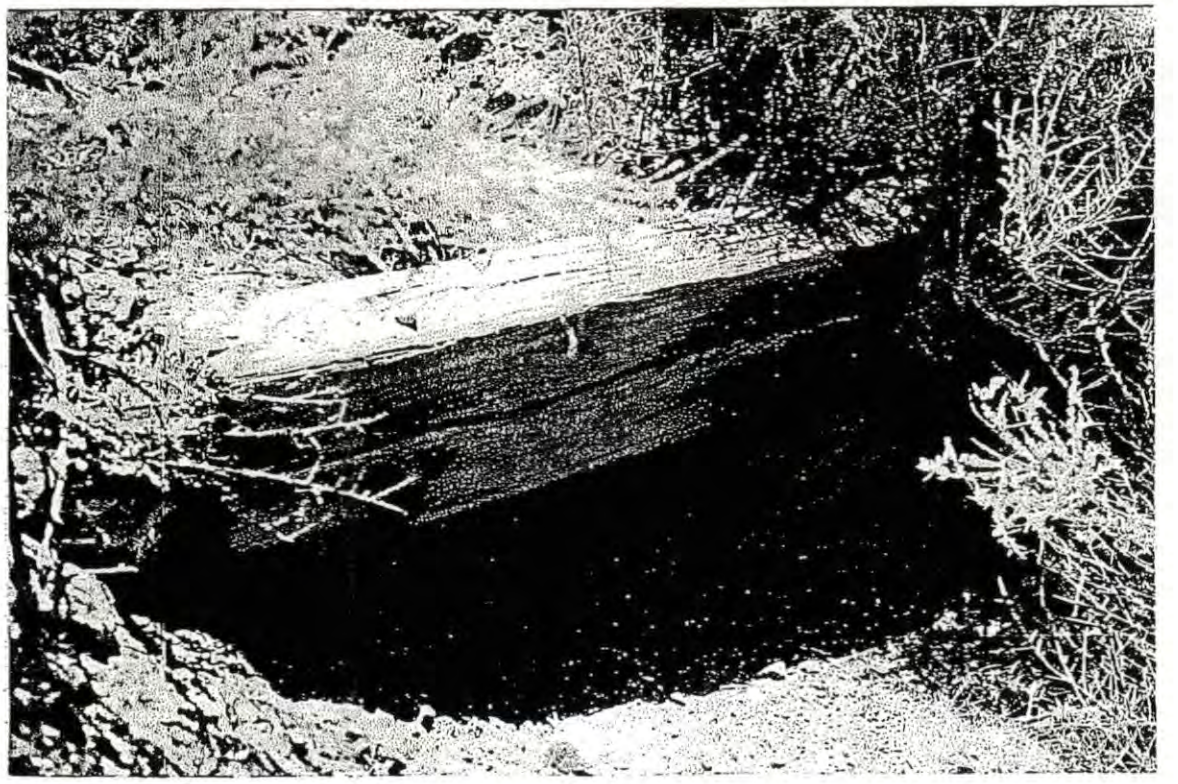
SITE CA-KER-560-H PHOTOGRAPHS

R-1. Frame 19. AT&SF Railroad looking north at wooden culvert.



R-3. Frame 16. Same wooden culvert as above on opposite of the railroad bed looking south. Site CA-KER-560-H.



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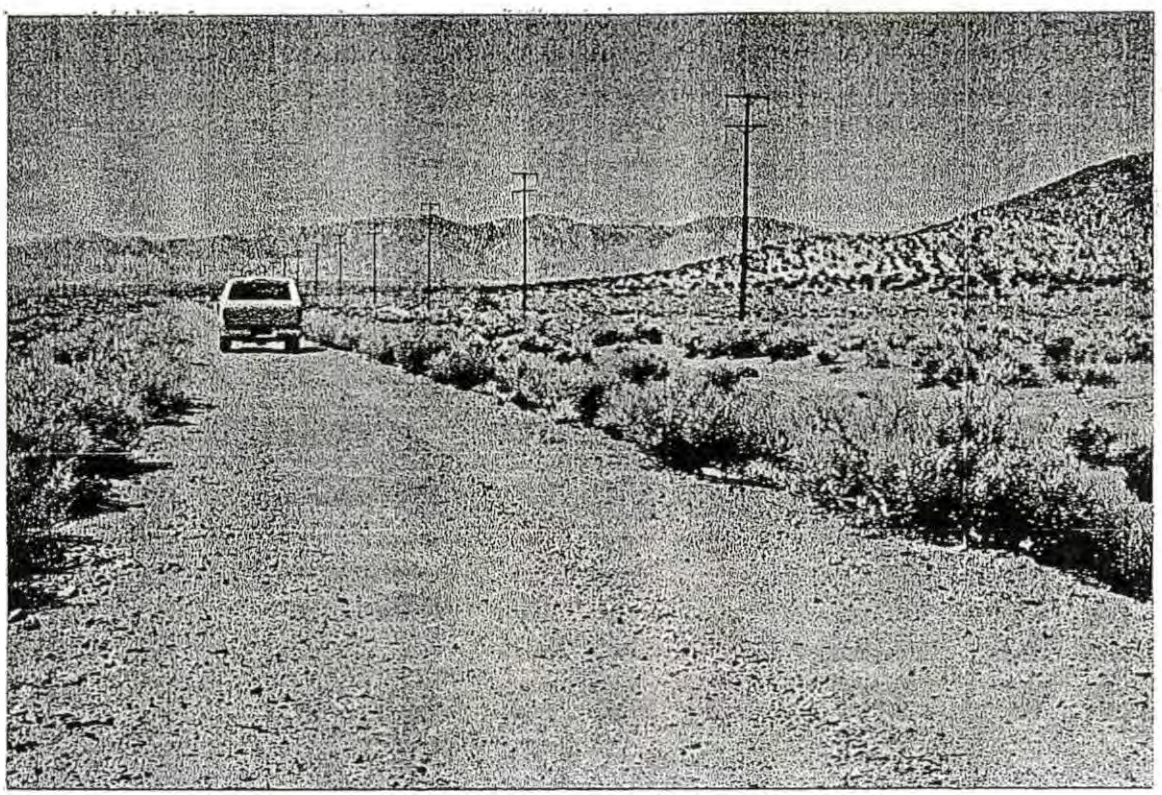
UPDATE

R-3. Frame 18. AT&SF Railroad burm (CA-KER-560-H), currently in use as a road. Looking west near culvert.



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UPDATE

COMPUTER SCIENCES CORP.
ENVIRONMENTAL SERVICES DEPT.

Permanent Trinomial: CA-KER-560H
EAFB #: 1
Other Designations: None
Supplement?: Yes

CONTINUATION SHEET 184B

2. **USGS Quad:** Leuhman Ridge, California 7.5' **Photorevised:** 1973
3. **UTM Coordinates:** Zone 11, A: 432220 **m Easting,** 3870280 **m Northing**
   B: 433510 **m Easting,** 3870600 **m Northing**
   C: 436040 **m Easting,** 3872160 **m Northing**
   D: 433460 **m Easting,** 3870245 **m Northing**
4. **Township** 10 N, **Range** 8 W; S ½ **of the** SE ¼ **of the** NE ¼ **of the** SE ¼ **of Section** 8, **and the** S ½ **of the** NW ¼ **and the** NE ¼ **of the** SW ¼, **and the** NW ¼ **of the** SE ¼, **and the** S ½ **of the** SW ¼ **and the** SE ¼ **of the** NE ¼, **and the** SE ¼ **of the** SE ¼ **of the** NE ¼ **of the** NE ¼, **of Section** 9, **and the** NW ¼ **and the** NW ¼ **of the** NE ¼, **of Section** 10, **and the** S ½ **of the** SE ¼ **of the** SW ¼, **and the** SE ¼, **of Section** 3, **and the** N ½ **of the** NW ¼ **of the** SW ¼ **and the** SW ¼ **of the** SE ¼ **of the** SW ¼ **of the** NW ¼, **of Section** 2, SBBM
5. **Map Coordinates (from NW corner of map):** A: 119 **mmS,** 29 **mmE**
   B: 104 **mmS,** 83 **mmE**
   C: 37 **mmS,** 195 **mmE**
   D: 119 **mmS,** 80 **mmE**
6. **Elevation:** 2,315 to 2,415 feet
7. **Location:** The portion of the site which was recorded at this time is located approximately 2.6 kilometers (1.6 miles) south on Rich Road from the intersection of the Atchison, Topeka, and the Santa Fe Railroad tracks. Site EAFB-1 (CA-KER-560H) is located on both the east and west sides of Rich Road and runs parallel to the old Rich railroad grade. To the west, the recorded portion extends approximately 1.2 kilometers (0.7 mile), and to the east, it extends just beyond the Base boundary, approximately 2.9 kilometers (1.8 miles).
9. **Site Description:** This portion of site EAFB-1 (CA-KER-560H) is a linear refuse deposit situated parallel to the old railroad grade with the majority of the debris located on the north side. The site contains 13 localized areas of historic period refuse deposits at the western boundary of the recorded area. There is a mixture of historic and modern items; east of Rich Road modern railroad tracks currently leased by the U.S. government have been placed in the historic period rail bed.
10. **Area:** 4.1 km east/west X 0.2 km north/south; 825,854 m^2
    Method of Determination: Computed by Base Geographic Information System (GIS) Information System (GIS) laboratory from Global Positioning System (GPS) information and surface artifacts
12. **Features:** This portion of the site contains a series of 13 concentrations of historic period artifacts separated by a sparse scattering of materials between the concentrations.
13. **Artifacts:** One historic refuse deposit contains approximately 50 matchstick filler cans: diameter 3", height 3 14/16" and diameter 4", height 4 11/16".

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UPDATE

13. **Artifacts (continued):** Another contains a ceramic bowl; matchstick filler cans, sanitary seam cans, and rectangular can fragments of various sizes; clear glass fragments; and purple glass fragments.

The next refuse deposit contains a ceramic plate fragment with a plain white glaze; a clear glass jar fragment; bones; a galvanized garbage can lid; a brown glass jug fragment; can fragments; and various sizes of matchstick filler and sanitary seam cans.

Another refuse deposit area contains broken clear and brown glass bottles; metal barrel hoops; a green glass bottle base; a square metal U-shaped frame, and various rectangular, sanitary seam, and fish cans.

Approximately .15 sanitary seam cans and brown bottle glass fragments are in one refuse deposit.

Another refuse deposit consists of brown glass beer bottles; two brown glass liquor bottles; brown glass fragments; a conetop can with a concave base; a square can lid with a handle; fish cans; a small metal pail; various sized sanitary seam cans; and the heel of a shoe with nails, part of a leather shoe with eyelets.

The next refuse deposit consists of sanitary seam cans; a brown glass jug neck; a metal button; railroad spikes; brown glass beer bottles; a conetop can with a concave base; clear and green glass bottles; a 1/2 gallon clear glass bottle; two 4/5 quart clear glass bottles; and a 4/5 quart green glass wine bottle.

Another refuse deposit contains hole-in-cap cans; a Pepsi bottle made out of Duraglas; a 7UP bottle with "You Like It It Likes You" written on it; 11 matchstick filler cans; and one gallon can.

The next refuse deposit contains two Coke bottles; a conetop can with a concave base; various sized sanitary seam cans; seven brown glass bottles; clear glass bottle fragments; and approximately 50 cans.

The next refuse deposit consists of a clear glass milk bottle fragment; various sized sanitary seam cans; fish cans; and brown bottle glass fragments.

Another refuse deposit consists of eggshells; matchstick filler cans; sanitary seam cans; a clear glass catsup bottle; a clear glass jar; and much charred material.

The next refuse deposit contains a piece of crockery with white glaze; sanitary seam cans; hole-in-cap cans diameter: 4", height: 2 8/16", cap: 2 8/16" and diameter: 3", height: 4 7/16", cap: 11/16"; a key opened rectangular hole-in-cap can length: 4 3/16", width: 2 15/16", height: 4 12/16", cap: 1 13/16".

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Another refuse deposit contains opaque glass mug fragments with blue glaze; rectangular meat cans; clear and green glass fragments; sanitary seam cans - diameter 3 6/16" height 7 9/16", diameter 4 1/16" height 4 11/16", diameter 2 10/16" height 2 11/16", diameter 2 15/16" height 4 6/16"; an internal friction lid - diameter 5"; and an aspirin pill box "Bayer Aspirin is the best aspirin [ ] has ever known. Used by more millions [of peo]ple than any other medication for fast, [ ] effective relief of Headache, Ne [ ], Muscle - Ach[es a]nd, Pains, and the painful discomforts [of f]eve[r d]ue to Colds and Flu Use Bayer a[nd]g[ ] for Sore Throat due to Colds [ ] 1 or 2 tablets with water 3 or [ti]mes daily as required. Directions inside. Parents please keep this and all other medicines out of the reach of children. Bayer Company Division of New York, N.Y. [ ] Drug Inc Made and printed in USA."

In general, the site consists of hundreds of various sizes of sanitary seam cans; many pieces of milled lumber; scrap metal fragments; approximately 20 metal barrel bands; a metal switch box cover; approximately eight gallon paint cans; internal friction lids - diameter 6 11/16"; external friction lids - diameter 2 15/16"; a broomstick handle - length 56 1/2"; miscellaneous pieces of wire; various sizes of matchstick filler cans; a car suspension; several meat tins; metal strapping; a small pail with a handle; external can - diameter 3 4/16" height 4 9/16"; aluminum foil; assorted clear, aqua, solarized purple, green, amber, and brown glass fragments; a broken headlight; four Mission Beverages bottle fragments; several brown glass Purex jug and fragments; a ceramic plate with a gold pattern on the rim; blue enamelware cooking pan with a missing handle; ceramic fragments; rectangular meat tins; numerous sanitary seam cans - diameter 3 1/16" height 4 6/16", diameter 2 2/16" height 2 13/16", diameter 3 15/16" height 4 10/16", diameter 3 8/16" height 1 14/16", diameter 3 6/16" height 7 9/16"; oil cans; internal friction can - diameter 3" height 4 4/16"; external friction can - diameter 5 1/16" height 3 7/16"; numerous railroad spikes and railroad ties; faded octagonal metal sign; several EXIDE blue glass container fragments, embossed on the lip is "PATENTED FEB 3, 1920, FEB 6, 1921, OCT 31, 1922 PATENTED AUG 8, 1911, JUN 6, 19?, MAR 6, 1917, OCT 30, 1917"; a one gallon coffee can; numerous crushed cans; a rectangular rock pile approximately 10' X 5'; several pieces of conductive wire; three large metal eye stakes for tying down cable; brown ceramic and aqua glass insulator fragments; three square washers 3" X 3"; several empty tobacco tins; a clear glass "Double Cola" broken bottle, Seminole flavor; a clear glass "Canada Dry Beverages" bottle fragment; a pail without a handle, height - 7 1/2"; two medium pails with handles; a concentration of flathead screws, nails, and metal scraps; one wire hanger; a "Kelly Springfield" tire; a rubber hose; porcelain plate fragment "MADE EXPRESSLY FOR SANTA FE DINING CAR SERVICE"; a brass pen lid with a partial pocket clip; a large metal bucket approximately 13" in height; several ceramic tile fragments with a dark green glaze; several matchstick filler cans - diameter 3 14/16" height 4 13/16"; tar paper; a liquor bottle with a Quaker figure engraved on it (collected ISOCAT# 7139); a metal pill box with a hinged lid, 7 14/16" length, 1 5/16" width, 4/16" height; a Dusty Rose plate fragment with "Edwin M. Knowles China Co. Made in U.S.A. 486" as the maker's mark;

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UPDATE

Permanent Trinomial: CA-KER-560H
EAFB #: 1
Other Designations: None
Supplement?: Yes

13. **Artifacts (continued):** several burried galvinized steal containers; a black plastic shoe heel; several metal ring stakes; a clear glass Mennen bottle with a white cap; a razor blade case; and a vertically placed railroad rail, approximately 43" high, marking a property line which reads "The A.T. & S.F. Railroad Co___ Property Line_____".
15. **Date Recorded:** 4 August 1995, 7 August 1995, 9 August 1995, 11 August 1995, 6 September 1995, and 18 September 1995
16. **Recorded by:** K. Lark, T. de la Garza, L. Wear, R. Bock, M. Pittman, L. Ramirez, M. Ryan, B. Woods, M. Hangan, A. Jackson, and S. White
17. **Affiliation and Address:** Computer Sciences Corporation, AFFTC, P.O. Box 446, Edwards AFB, CA 93523-0446
19. **Site Disturbances:** Several dirt roads run through the site
20. **Nearest Water:** Clay pan 360 meters (1,181 feet) south of the western edge
21. **Vegetation Community:** Arid phase saltbush scrub
22. **Landform:** Desert plain
32. **Name of Project:** Precision Impact Range Area (PIRA) Cleanup (AF Form 813 #92-078; Letter of Technical Direction 17P5D0011)
33. **Type of Investigation:** Phase I Cultural Resource Inventory
34. **Site Accession Number:** EAFB Isocat #7139: Clear glass liquor bottle with pilgrim image on bottom; EAFB Isocat #7234: square nail; EAFB Isocat #7232: Chinese ceramic, bamboo pattern, glazed, rice bowl fragments; EAFB Isocat #7233: Chinese ceramic glazed bowl fragments
    Curated At: AFFTC/EMX, Edwards AFB, CA 93523
35. **Photos:** Roll 95C/108, exposures 0-4

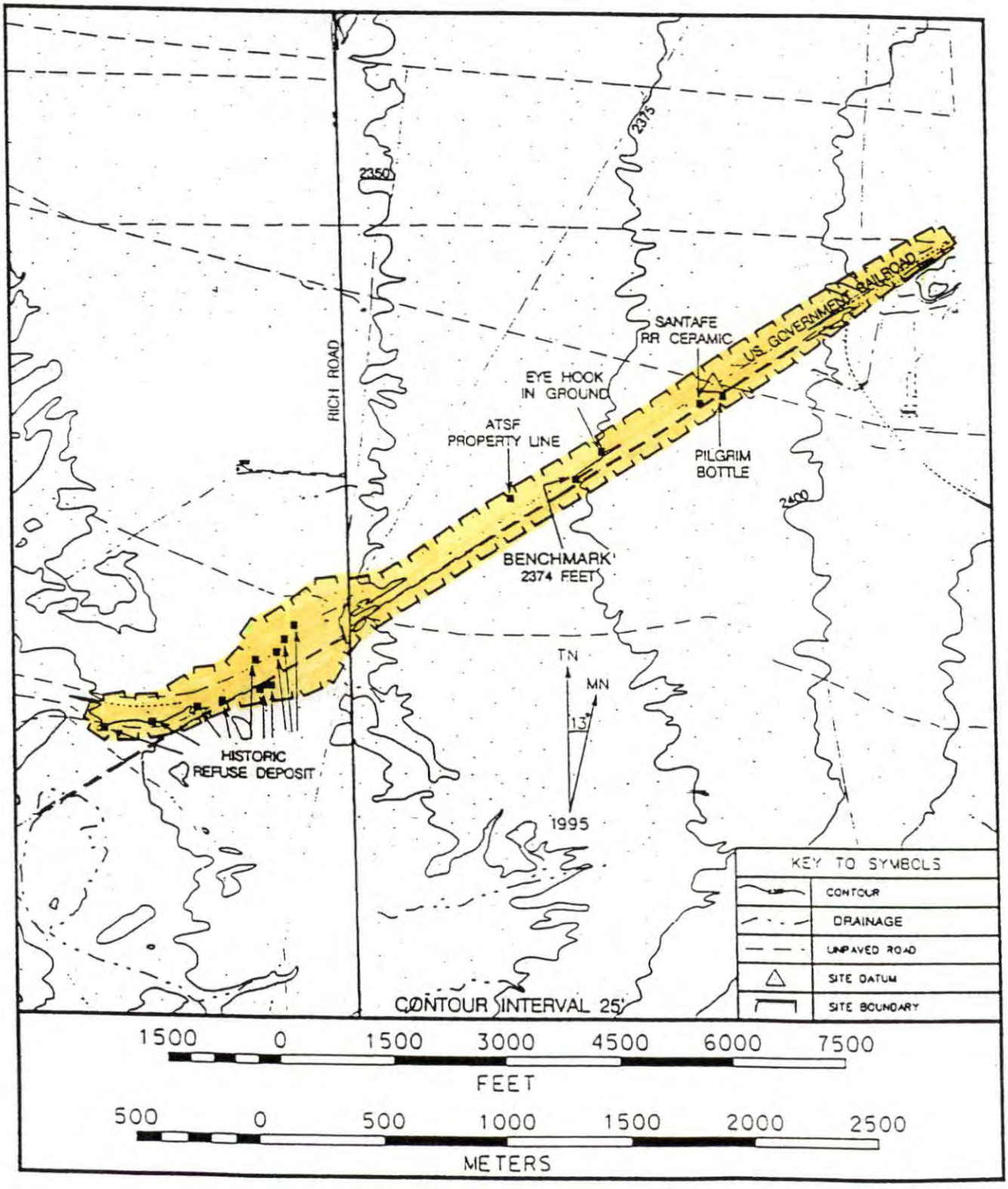
P-15-000560

UPDATE

COMPUTER SCIENCES CORP.
ENVIRONMENTAL SERVICES DEPT.

Permanent Trinomial: CA-KER-560H
EAFB #: 1
Other Designations: None
Supplement?: Yes

ARCHAEOLOGICAL SITE MAP



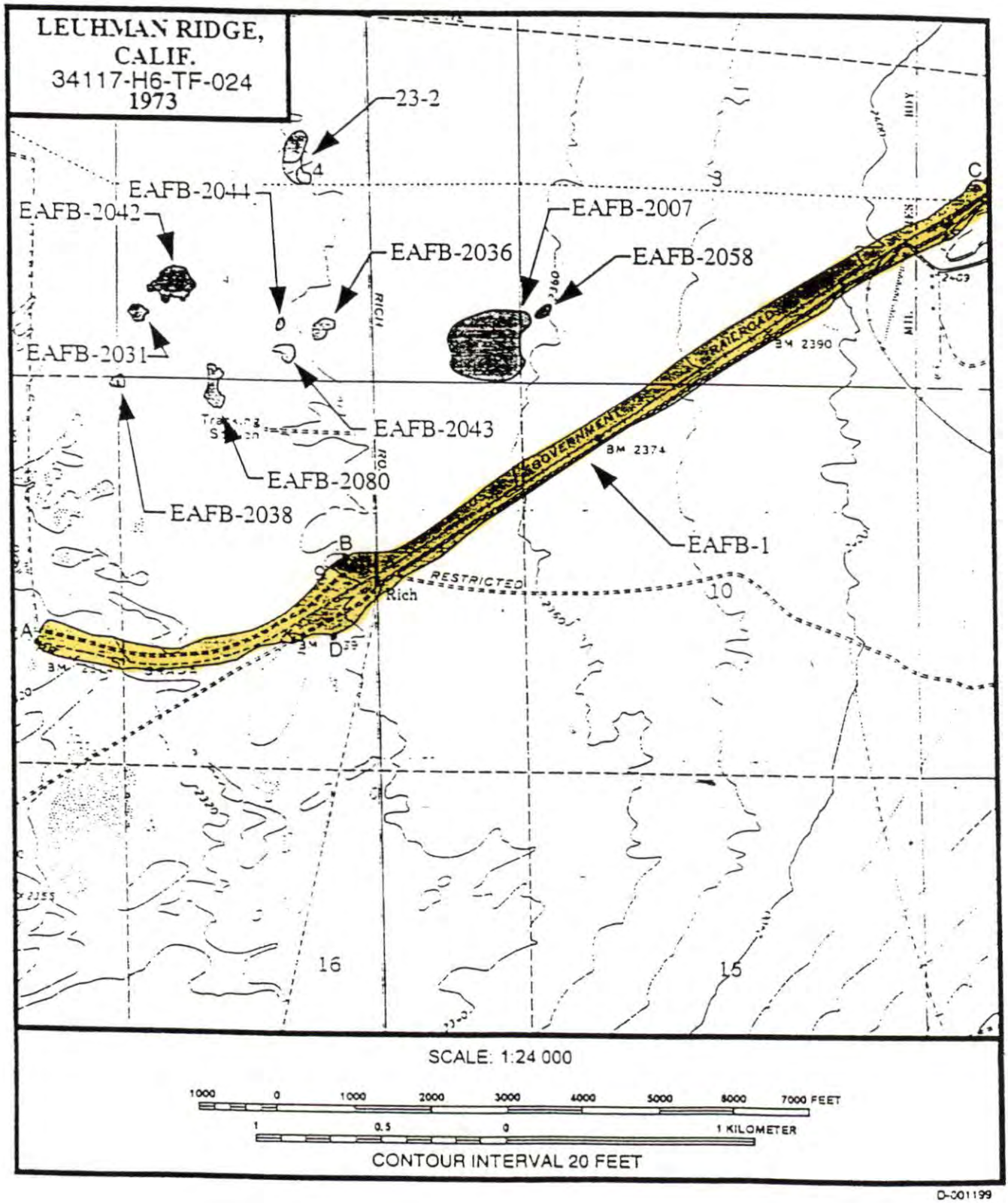
P-15-000560

UPDATE

COMPUTER SCIENCES CORP.
ENVIRONMENTAL SERVICES DEPT.

Permanent Trinomial: CA-KER-560H
EAFB #: 1
Other Designations: None
Supplement?: Yes

ARCHAEOLOGICAL SITE LOCATION MAP



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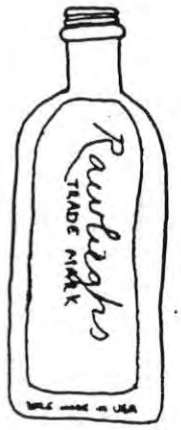
P-15-000560

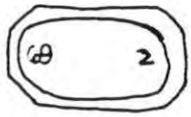
UPDATE

COMPUTER SCIENCES CORP.
ENVIRONMENTAL SERVICES DEPT.

Permanent Trinomial: CA-KER-560H
EAFB #: 1
Other Designations: None
Supplement?: Yes

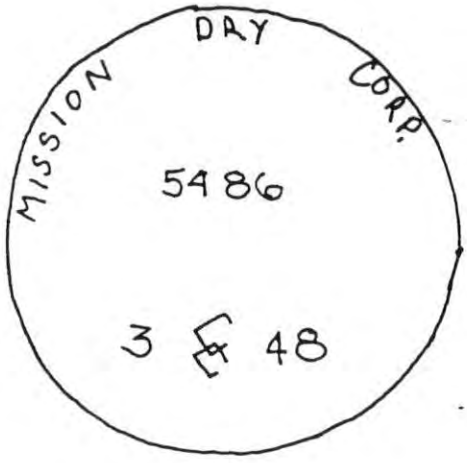
ARTIFACT ILLUSTRATIONS





GLASS PHARMACEUTICAL BOTTLE





GLASS BOTTLE BASE AND MAKER'S MARK



Illustrations by Scott Szymanski

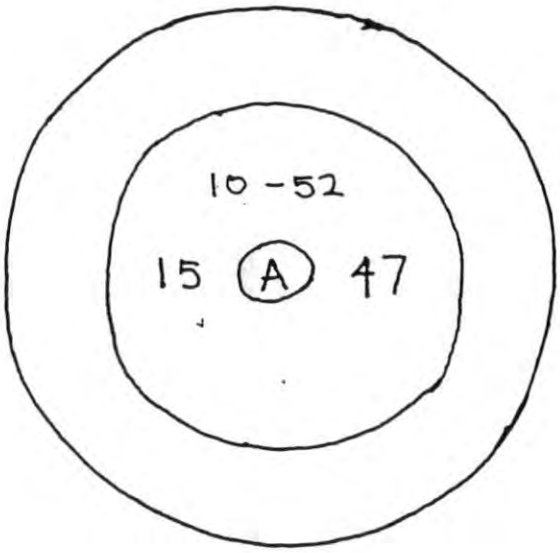
P-15-000560

UPDATE

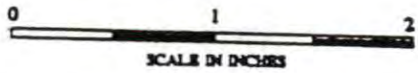
COMPUTER SCIENCES CORP.
ENVIRONMENTAL SERVICES DEPT.

Permanent Trinomial: CA-KER-560H
EAFB #: 1
Other Designations: None
Supplement?: Yes

ARTIFACT ILLUSTRATIONS



GLASS BOTTLE BASE AND MAKER'S MARK





GLASS BOTTLE BASE AND MAKER'S MARK



Illustrations by Scott Szymanski

MACKO
ARCHAEOLOGICAL
CONSULTING

UPDATE for 560 #

Permanent Trinomial:
Supplement____
Other Designations: HLC-2

Archaeological Site Record

P-15-000560

1. **County:** Kern

2. **USGS Quad:** Bissell, Calif. (7.5') **Photorevised:** 1973

3. **UTM Coordinates--Zone:** 11; 400210 m Easting 3872250 m Northing
400540 m Easting 3872020 m Northing
400830 m Easting 3871850 m Northing

4. **Township** 10N **Range** 11W; _ - 1/4 of SW 1/4 of SW 1/4 of **Section** 6 **BM.** SB

5. **Map Coordinates** 42.5 mmS 120.0 mmE
57.0 mmS 134.0 mmE
63.5 mmS 146.5 mmE

6. **Elev.** 2530'

7. **Location:** The site is located north of the NASA Flight Test Center and east of Soledad Mtn. near Lookout Hill (shown on USGS Bissell 7.5'), and extends along an east-west axis across the southern half of the section. It is most easily reached from the Rosamund sanitary landfill road.

8. **Prehistoric____ Historic__X_ Protohistoric____** 9. **Site Description:** The site appears to be a disused railroad bed with an associated historic trash scatter.

10. **Area:** 0.6 mi.(N-S) x 0.5 mi.(E-W) = 0.3 sq mi. **How Determined:** USGS 7.5'

11. **Depth:** surface to +3' **How Determined:** visual examination

12. **Features:** Probable raised railrod bed, signal light box.

13. **Artifacts:** One Coke bottle fragment (bottled 1928-New Mexico), amethyst glass fragments, hand and machine soldered tins, including hole in top and "Prince Albert" types, and an iron railroad spike.

14. **Non-Artifactual Constituents & Faunal Remains:** none observed

15. **Date Recorded:** 4/17/95 16. **Recorded By:** William Hayden, Neil Rhodes, and Gina Zanelli

17. **Affiliation and Address:** Macko Archaeological Consulting, 22112 Cape May Lane. Huntington Beach, California (714) 965-3294.

P-15-000560

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CONSULTING

UPDATE

Permanent Trinomial:
Supplement____
Other Designations: HLC-2

Archaeological Site Record

18. **Human Remains:** none observed

19. **Site Disturbances**: Vehicular traffic and possible flood episodes, otherwise fairly intact.

20. **Nearest Water:** A small seasonal wash lies approximately 1/8 mile south.

21. **Vegetation Site Vicinity:** Sage scrub community, with creosote, aloe, and native desert flowers.

22. **Vegetation On-Site:** same as #21

23. **Site Soil:** Sandy loam 24. **Surrounding Soil:** Same

25. **Geology:** Quaternary alluvium

26. **Landform:** alluvial fan

27. **Slope:** 0° **Exposure:** very open

29. **Landowner Name & Address:** Department of the Interior, Bureau of Land Management.

30. **Remarks:** This site is very likely a portion of a linear site that may already be recorded. Maps created prior to 1945 should be examined for any information regarding this site, and a general area search of the California State Landmarks and the National Register listings should be carried out to locate any already recorded portions of it.

31. **References:**

32. **Name of Project:** HLC-95-1

33. **Type of Investigation:** Intensive Survey

34. **Site Accession No.** N/A **Curated At:** N/A 35. **Photos:** HLC-1:8,9,16

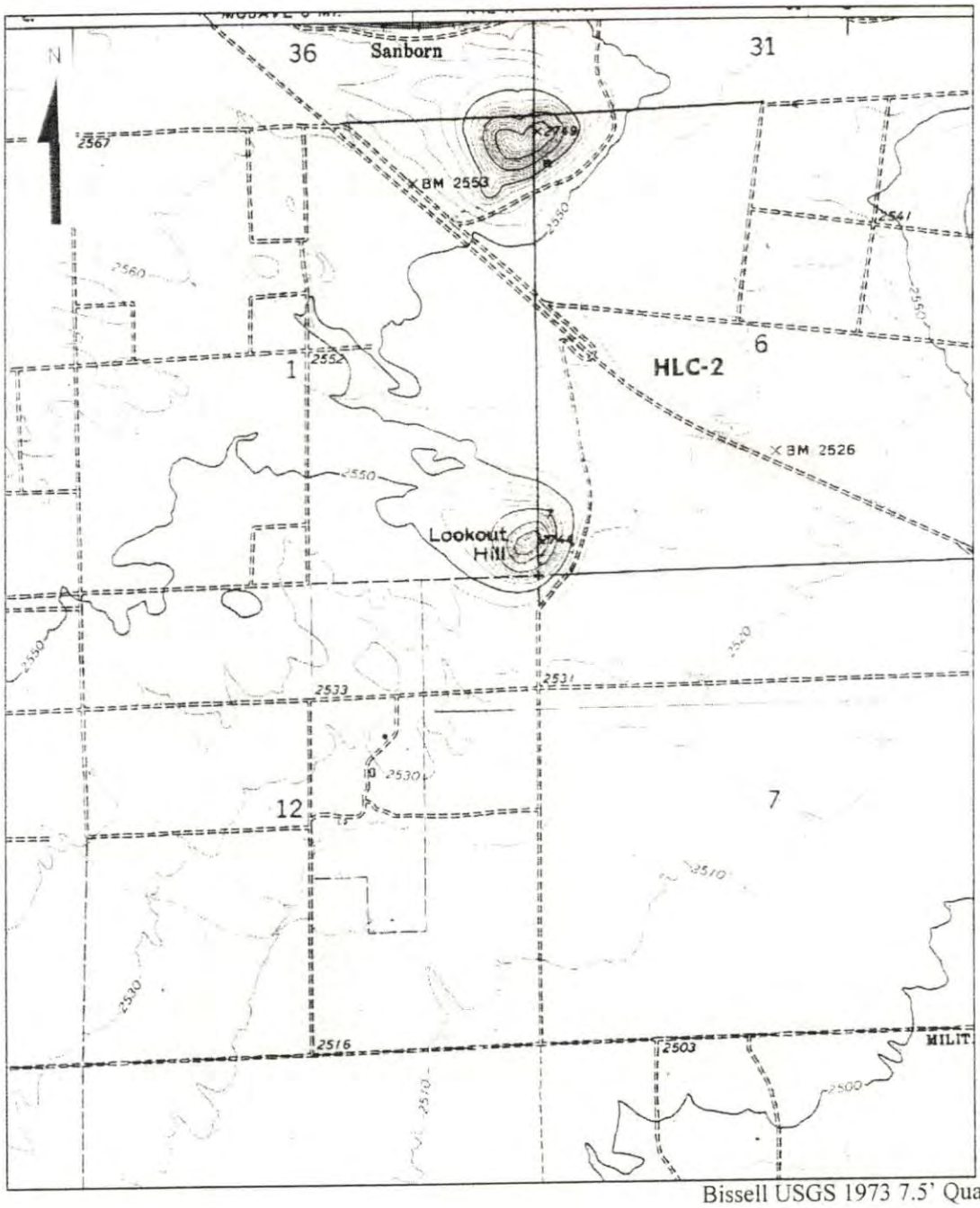
P-15-000560

MACKO
ARCHAEOLOGICAL
CONSULTING

UPDATE

Permanent Trinomial:
Supplement____
Other Designations: HLC-2

Archaeological Site Record



Bissell USGS 1973 7.5' Quadrangle

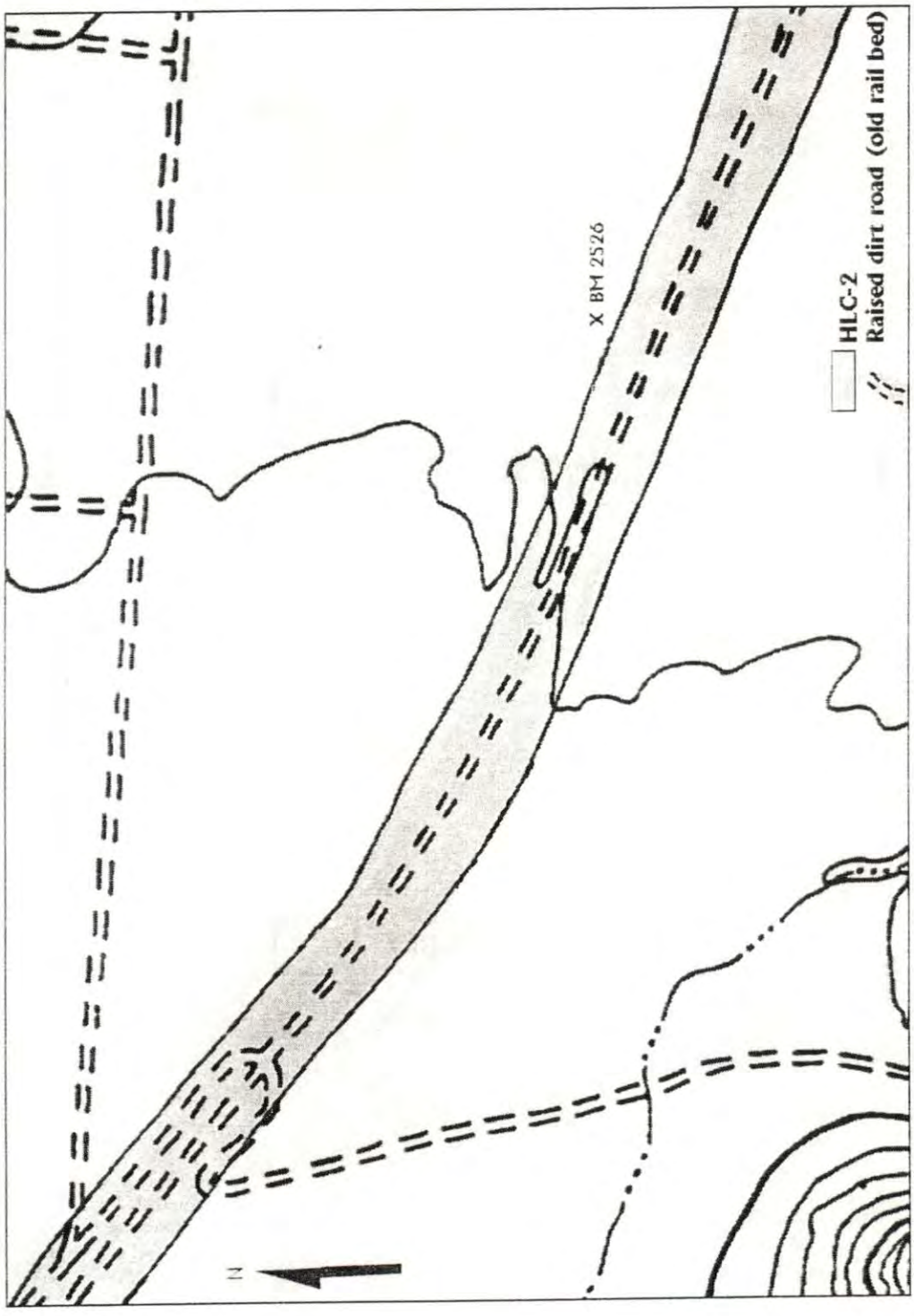
P-15-000560

MACKO
ARCHAEOLOGICAL
CONSULTING

UPDATE

Permanent Trinomial:
Supplement____
Other Designations: HLC-2

Archaeological Site Record



P-15-000560 Supplement

COMPUTER SCIENCES CORP.
ENVIRONMENTAL ENGINEERING DEPT.

Permanent Trinomial: CA-KER-560H
Other designations: EAFB-1
Supplement?: Yes

ARCHAEOLOGICAL SITE RECORD
Continuation Sheet

Description: Site California-Kern(CA-KER)-560 (Edwards AFB[EAFB]-1) is the original alignment of the Mojave to Barstow Southern Pacific Railroad line which was built in 1882. Purchased in 1884 by the Atchison, Topeka and Santa Fe Railroad, it was in operation until 1953 when it was relocated to its current alignment along Highway 58 (Macko, Earle, and Langenwelter 1993). On its loop through Edwards AFB, it consists of a remnant berm with the tracks removed, and its condition runs from excellent in some stretches to destroyed in others. Assorted refuse is scattered along its length. The original recording of the site in 1977 by Sutton was a limited recording based on surveys in or near the town site of Muroc (Sutton 1977). A site record update done in 1988 was project specific and documented the railroad grade no further west than the corner of Forbes Avenue and Mojave Boulevard and Mojave Boulevard.

Observation: Continuing northwest from the corner of Forbes Avenue and Mojave Boulevard, the next 2.3 kilometers (1.4 miles) of the railroad grade have been destroyed and replaced by the paved road leading to the Main Base Landfill. Continuing further northwest, the next 3.1 kilometers (1.9 miles) of the railroad grade are intact and in good condition. Three unpaved roads cross the grade, the disturbance being minimal.

Artifacts: A sparse scatter of artifacts along both sides of the grade include: clear, brown, green, and solarized bottle glass fragments; aquamarine glass insulator fragments; matchstick-filler, hole-in cap, and sanitary cans; four overturned concrete casings with protruding piping and brackets (possible housings for railroad utilities, or bases for railside equipment); assorted metal and wood fragments; modern household refuse.

UTM Coordinates: Zone 11, 412430 **m Easting,** 3867960 **m Northing** (Point A)
411370 **m Easting,** 3868860 **m Northing** (Point B)
410250 **m Easting,** 3869540 **m Northing** (Point C)
409860 **m Easting,** 3869630 **m Northing** (Point D)

Type of Investigation: Phase I cultural resources inventory for the proposed "Enlarge Existing Excavation Pit" (Air Force Form 813 #94-104).

Date Observed: 23 November 1994

Recorded by: Lawrence McGetrick, Christopher Onzol

P-15-000560

Supplement

COMPUTER SCIENCES CORP.
ENVIRONMENTAL ENGINEERING DEPT.

Permanent Trinomial: CA-KER-560H
Other designations: EAFB-1
Supplement?: Yes

ARCHAEOLOGICAL SITE RECORD
Continuation Sheet

References:

Macko, Michael E., David D. Earle, and Paul E. Langenwelter
1993 *National Register Eligibility Determination for Historic Resources along the Proposed AT&T Lightguide System, Victorville to Bakersfield, California.* Macko Archaeological Consulting, Huntington Beach, California. Report on file at AFFTC/EM, Edwards AFB, California.

Haynal, Patrick, Frank Ritz, Diane Adams, and William Manley
1988 *Archaeological Site Record for CA-KER-560.* On file at Southern San Joaquin Archaeological Information Center, California State University, Bakersfield, California.

Sutton, Mark Q.
1977 *Archaeological Site record for CA-KER-560H.* On file at Southern San Joaquin Archaeological Center, California State University, Bakersfield, California.

P-15-000560

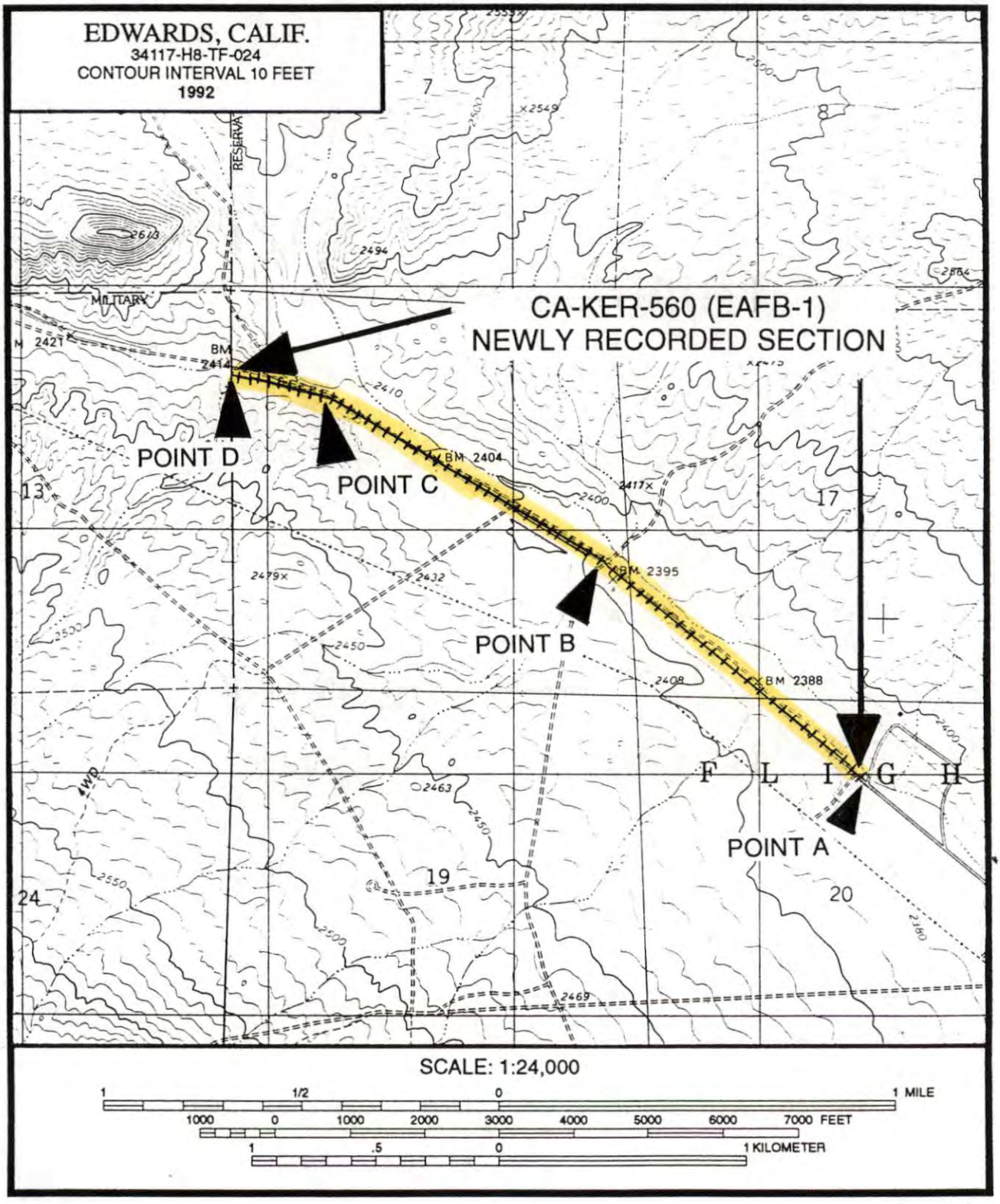
Supplement

COMPUTER SCIENCES CORP.
ENVIRONMENTAL ENGINEERING DEPT.

Permanent Trinomial: CA-KER-560H
Other designations: EAFB-1
Supplement?: Yes

ARCHAEOLOGICAL SITE RECORD
Continuation Sheet

SITE LOCATION MAP



Supplement

P-15-000560
CA-KER-5600H

State of California - The Resources Agency
Department of Parks and Recreation

Permanent Trinomial:

ARCHAEOLOGICAL SITE RECORD

Other Designations: S-25-5

Page 1 of 5.

Supplement:

1. **County:** Kern

2. **USGS Quad:** Boron 209C (7.5') 1973

3. **UTM Coordinates:** Zone 11 439170 m Easting 3876180 m Northing
   438570 m Easting 3874950 m Northing

4. **Township:** 11N **Range:** 8W:
   W 1/2 of SE 1/4 of NW 1/4 of SE 1/4 of Section 25
   NE 1/4 of NW 1/4 of SE 1/4 of Section 25
   SE 1/4 of SE 1/4 of SW 1/4 of NE 1/4 of Section 25
   W 1/2 of SW 1/4 of SE 1/4 of NE 1/4 of Section 25
   NW 1/4 of SE 1/4 of NE 1/4 of Section 25
   SE 1/4 of SW 1/4 of NE 1/4 of NE 1/4 of Section 25
   W 1/2 of SE 1/4 of NE 1/4 of NE 1/4 of Section 25
   NE 1/4 of NE 1/4 of NE 1/4 of Section 25
   Base Meridian: SBM

5. **Map Coordinates:** 443 mmS 305 mmE (from NW corner of map)
   494 mmS 289 mmE

6. **Elevation**: 2,460-2,480 ft.

7. **Location:** Three miles southwest of Saddleback Mtn./From the intersection of State Highways 395 and 58, drive west on Highway 58 for 8.0 miles to Borax Road. Proceed north for 0.4 miles. Turn east on a dirt road and drive for about 1.5 miles, passing over a set of railroad tracks to a second, somewhat older set of railroad tracks. This easternmost set of tracks is the old railroad spur, and the portion recorded (the portion within the project area) starts about 500 meters northeast of this point and continues northeast for about 1,350 meters.

8. **Prehistoric:** **Historic:** X **Protohistoric:**

9. **Site Description:** Located on an alluvial flat, this site consists of a spur of the Atcheson, Topeka, and Santa Fe Railroad originally constructed in 1929 from the main railroad line north to the Baker Mine. The tracks are still in use and are in good condition, with little or no vegetation growing on the berm. This segment of the railroad has most likely had considerable improvements since its original construction, including new rails to replace the old narrow-gage rails.

10. **Area:** 1,350 m (length) x 26 m (width) 35,100 m^2.

Supplement

P-15-000560
CA-KER-560H

Method of Determination: Pacing, USGS 7.5' quad map

11. **Depth:** Unknown **Method of Determination:** N/A

12. **Features:** The railroad tracks are situated on top of a gravel berm, approximately 3½ to 4 feet high, 26 feet wide at the base, and about 13 feet wide at the top of the berm. Dirt access roads are located on either side of the berm.

13. **Artifacts:** Wood fragments and metal strapping fragments.

14. **Non-Artifactual Constituents and Faunal Remains:** None observed

15. **Date Recorded:** 06/29/94

16. **Recorded By:** T. Wahoff, P. Eisentraut

17. **Affiliation and Address:** Dames & Moore
9665 Chesapeake Drive, Suite 201, San Diego, Calif.

18. **Human Remains:** None observed

19. **Site Disturbances:** None observed

20. **Nearest Water (type, distance, and direction):** Ephemeral drainages nearby

21. **Vegetation Community (site vicinity):** Creosote bush scrub

22. **Vegetation (in site):** Creosote, saltbush

23. **Site Soil:** Light brown sand, gravels

24. **Surrounding Soil:** Light brown sand

25. **Geology:** Granitic

26. **Landform:** Alluvial plain

27. **Slope:** 2% **28. Exposure:** Open to the southwest

29. **Landowner(s) (and/or tenants) and Address:** Atcheson, Topeka and Santa Fe Railroad Company

30. **Remarks:**

31. **References:**

32. **Name of Project:** U.S. Borax Mine Dump Expansion Project

Supplement

P-15-000560
CA-KER-5600H

33. **Type of Investigation:** Intensive surface survey

34. **Site Accession Number:** No collection **Curated At:** N/A

35. **Photos:** BOR-7-94, frames 1-9

Supplement

P-15-000560

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Permanent Trinomial: CA-KER-560H

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Other Designations: S-25-5

Camera and Lens Types	Canon T-50	On File at:	Dames & Moore 9665 Chesapeake Drive, Suite 201 San Diego, California 92123
Film Type and Speed	ASA 125 Plus X Pan B/W		

Mo.	Day	Time	Exposure/ Frame	Subject/Description	View Toward	Accession Number
6	31	2:30	1	View of railroad, looking towards mine	NW	BOR-7-94
6	31	2:30	2	View of railroad, looking towards mine	NW	" "
6	31	2:31	3	View of railroad, looking away from mine	SE	" "
6	31	2:31	4	View of railroad, looking away from mine	SE	" "
6	31	2:32	5	View of railroad	NE	" "
6	31	2:32	6	View of railroad	NE	" "
6	31	2:33	7	View of railroad	SSE	" "
6	31	2:33	8	View of railroad	W	" "
6	31	2:34	9	View of railroad	W	" "

Supplement

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

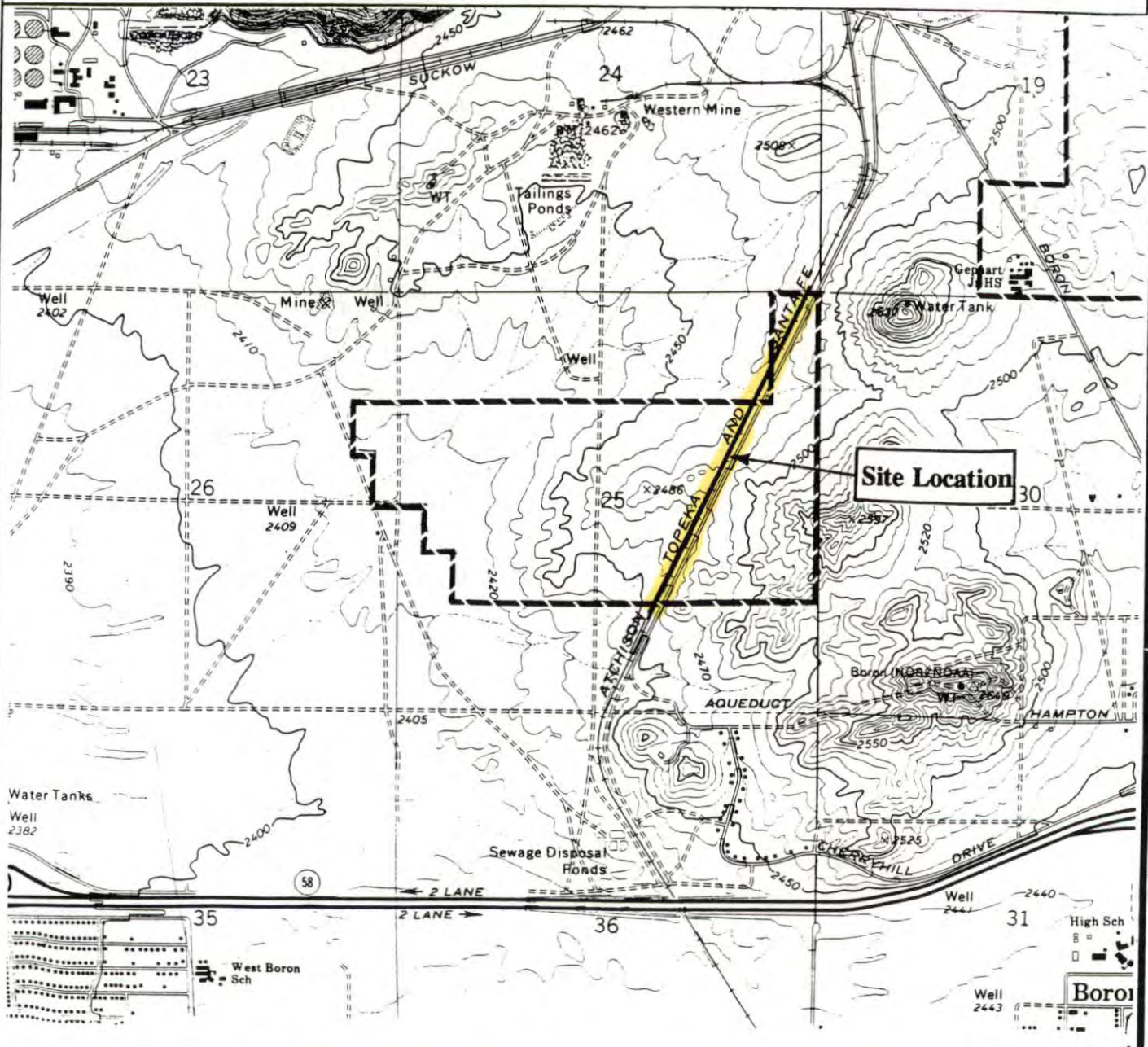
ARCHAEOLOGICAL SITE LOCATION MAP

Page 5 of 5

Permanent Trinomial: P-15-000560 CA-KER-560H

Temporary No: _____ Mo. 1 Yr. _____

Other Designations: S-25-5



LOCATION MAP	U.S. BORAX OVERBURDEN EXPANSION PROJECT	BORON, CALIF. 1973
DAMES & MOORE		

NORTH

1:24000

1 MILE

7000 FEET

1 KILOMETER

CONTOUR INTERVAL 10 FEET

7.5 MINUTE SERIES (TOPOGRAPHIC)

CALIF

QUADRANGLE LOCATION

DPR 422 E (Rev. 4/85)

RAILROAD FEATURE INVENTORY FORM

Supplement

Developed by JRP Historical Consulting Services

P-15-000560
CA-KER-560H

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: SF-1
PHOTO DATE: August 16, 1993

1. **Name of Feature:** Santa Fe Railroad, Main line

2. **Location of recordation:** SF-1 is located south of where the ATSF crosses 7th Standard Road.

3. **Other locations for recording this feature:** SF-2, SF-3, SF-4, SF-5, SF-6, SF-7, SF-8, SF-9

4. **Structures at or near this location:** There are no structures at this recordation point.

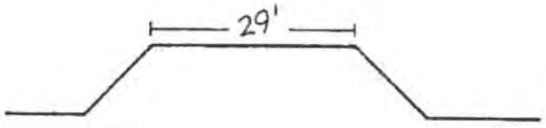
5. **Setting at this location:** Agricultural land surrounds SF-1, and a Northrup-King Seed Company facility is located to the northeast on 7th Standard Road.

6. **Integrity considerations for this feature:** This railroad grade has been recently graveled. The rail at this location is dated 1969.

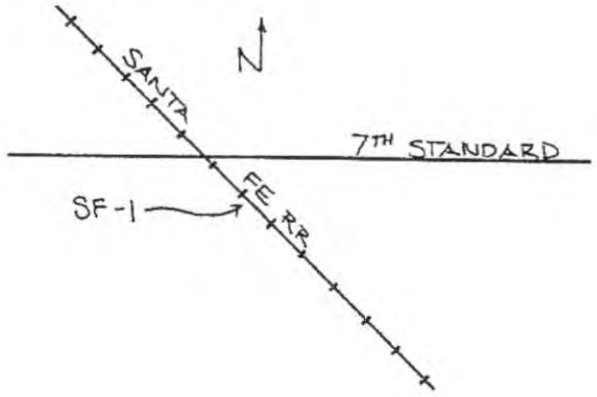
7. **Attributes at this location (measurements in feet):**

Top width: 29
Height: See sketch
Material: Earthen embankment, graveled crown.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





RAILROAD FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

Supplement

P-15-000560
CA-KER-560H

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: SF-2
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Santa Fe Railroad, Main line

2. **Location of recordation:** SF-2 is located just north of the junction of Hageman Road and the ATSF, at the jog in Rosedale Lane.

3. **Other locations for recording this feature:** SF-1, SF-3, SF-4, SF-5, SF-6, SF-7, SF-8, SF-9

4. **Structures at or near this location:** There are no structures at this site.

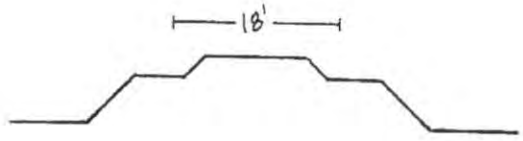
5. **Setting at this location:** An open, vacant field and a crop duster airport are located east of the tracks. A new subdivision is located to the west of the tracks.

6. **Integrity considerations for this feature:** The ATSF main line is well maintained. A newly graveled derail siding is located on the west side of the main line. SF-2 is near the location of Old Rosedale Station, which has been removed.

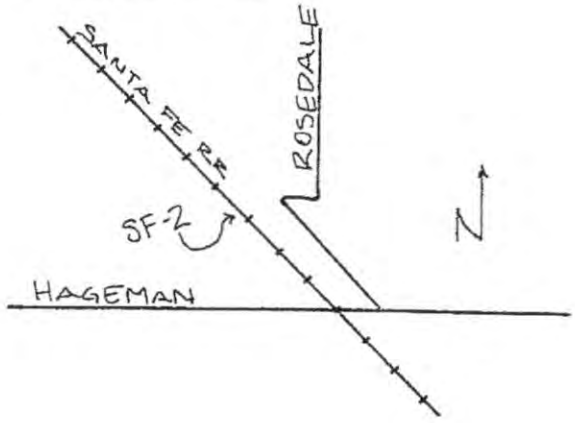
7. **Attributes at this location (measurements in feet):**

Top width: 18 (graveled crown)
Height: Approximately 6
Material: Earthen embankment, graveled crown.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





RAILROAD FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

P-15-000560
CA-KER-560H

Supplement

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: SF-3
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Santa Fe Railroad, Minkler Spur

2. **Location of recordation:** SF-3 is located where the north end of Boylan Street meets with the Minkler Spur west of Armour Avenue.

3. **Other locations for recording this feature:** SF-1, SF-2, SF-4, SF-5, SF-6, SF-7, SF-8, SF-9

4. **Structures at or near this location:** A siding extends parallel to the south side of the main line. The site is fenced, denying access.

5. **Setting at this location:** South of SF-3 Boylan Street and Armour Avenue host industrial buildings; the area west of the tracks is open, with scattered oil industry related sources.

6. **Integrity considerations for this feature:** The railroad appears to be well maintained.

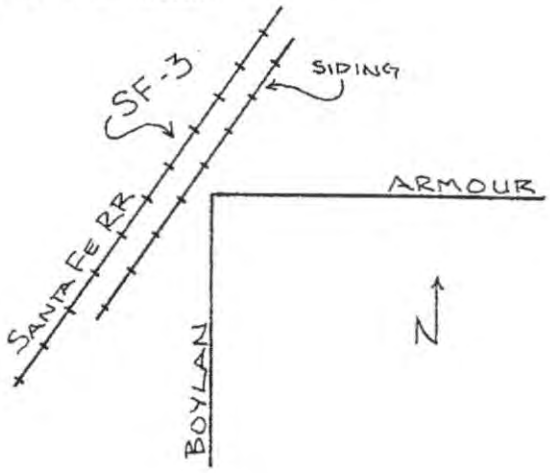
7. **Attributes at this location (measurements in feet):**

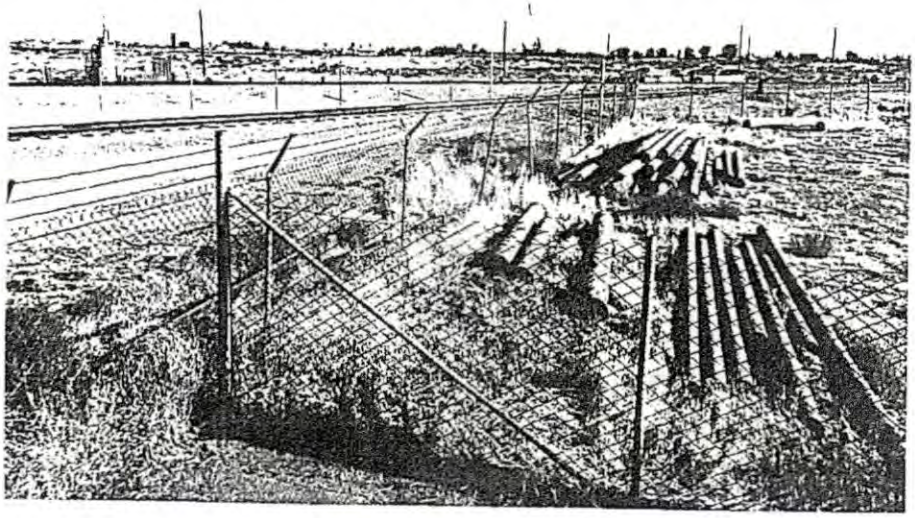
Top width: Unable to measure - no access.
Height: N/A
Material: Earthen embankment; standard ties and rails.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





RAILROAD FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

P-15-000560
CA-KER-560H

Supplement

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: SF-4
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Santa Fe Railroad, Minkler Spur

2. **Location of recordation:** SF-4 is located where the Minkler Spur crosses Highway 99 and State Street.

3. **Other locations for recording this feature:** SF-1, SF-2, SF-3, SF-5, SF-6, SF-7, SF-8, SF-9

4. **Structures at or near this location:** Bridges carry the ATSF over Highway 99 and State Street. There is a siding located on the east side of State Street.

5. **Setting at this location:** The immediate area surrounding this site is open, with scattered industrial commerce. The "Rain For Rent" commercial irrigation supplies complex is located to the east of the railroad on both sides of State Street.

6. **Integrity considerations for this feature:** Two modern concrete and steel bridges carry the railroad over State Street and Highway 99.

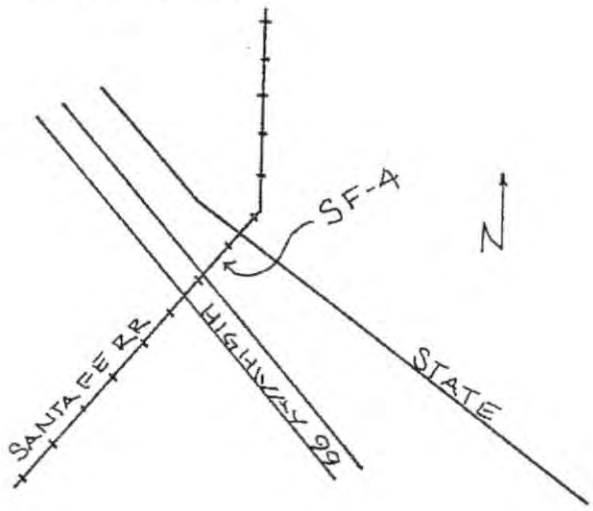
7. **Attributes at this location (measurements in feet):**

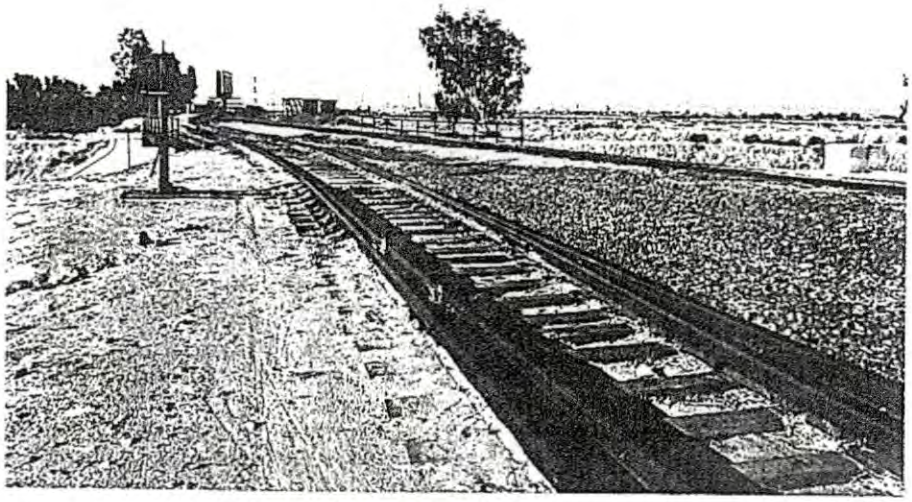
Top width: N/A
Height: Up on an embankment, the bridges are about 20' high.
Material: Earthen embankment, and steel and concrete railroad bridges

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





RAILROAD FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

Supplement

P-15-000560
CA-KER-560H

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: SF-5
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Santa Fe Railroad, Main line

2. **Location of recordation:** SF-5 is located west of Cactus Drive, which is west of Jewetta Avenue.

3. **Other locations for recording this feature:** SF-1, SF-2, SF-3, SF-4, SF-6, SF-7, SF-8, SF-9

4. **Structures at or near this location:** There are no structures at this location.

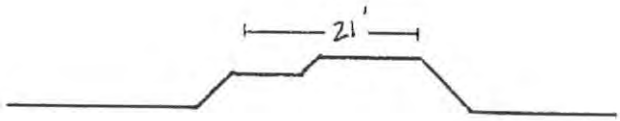
5. **Setting at this location:** An open field and a subdivision are located east of the railroad. To the west of the tracks is a large parcel residential area.

6. **Integrity considerations for this feature:** The main line has recently been graveled.

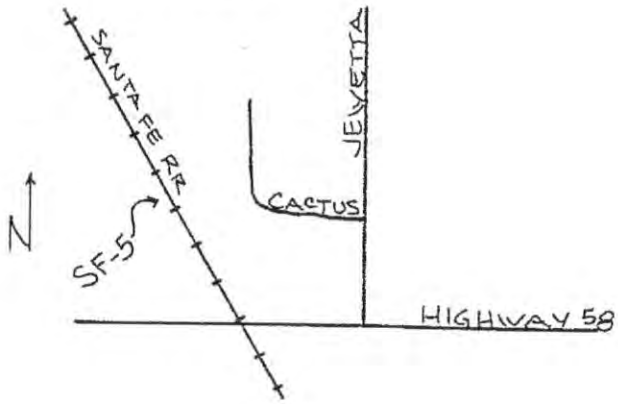
7. **Attributes at this location (measurements in feet):**

Top width: 21 (graveled crown)
Height: See sketch
Material: Earthen embankment, graveled crown.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





RAILROAD FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

P-15-000560
CA-KER-560H

Supplement

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: SF-6

PHOTO DATE: August 17, 1993

1. **Name of Feature:** Santa Fe Railroad, Minkler Spur

2. **Location of recordation:** SF-6 is located north of Highway 58 and west of Landco Street.

3. **Other locations for recording this feature:** SF-1, SF-2, SF-3, SF-4, SF-5, SF-7, SF-8, SF-9

4. **Structures at or near this location:** There are no structures at this location.

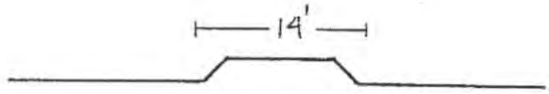
5. **Setting at this location:** The Minkler Spur passes through an open field on a low earthen embankment, with oil wells adjacent to the east side of the track.

6. **Integrity considerations for this feature:** The railroad appears lightly used with no new gravel. Post "113" is north of the site, and crossing gates are located to the south at the Rosedale Highway.

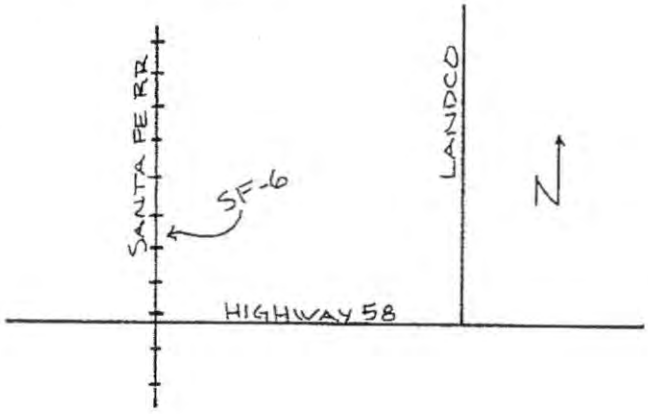
7. **Attributes at this location (measurements in feet):**

Top width: 14 (crown)
Height: See sketch
Material: Earthen embankment.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





RAILROAD FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

P-15-000560
CA-KER-560H

Supplement

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: SF-7
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Santa Fe Railroad, Main line

2. **Location of recordation:** SF-7 is located where the ATSF crosses under Highway 99, west of the Bakersfield Yard.

3. **Other locations for recording this feature:** SF-1, SF-2, SF-3, SF-4, SF-5, SF-6, SF-8, SF-9

4. **Structures at or near this location:** There are approximately 10 sets of railroad tracks, making up the western end of the Bakersfield Yard.

5. **Setting at this location:** There are about 10 sets of active railroad tracks at this location. Commercial buildings are located to the south and the City of Bakersfield Corporation Yard is to the north. To the east is the Highway 99 overpass, and beyond it, the Oak Street overpass.

6. **Integrity considerations for this feature:** This is an active railroad yard.

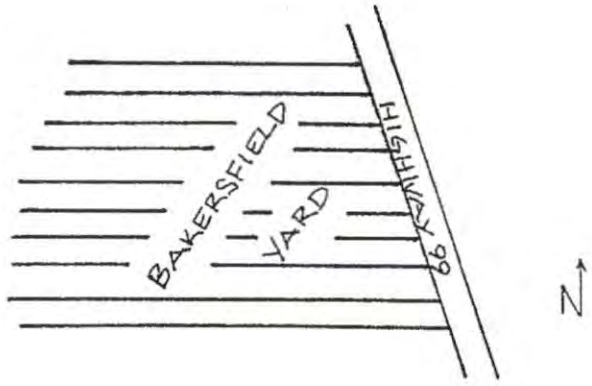
7. **Attributes at this location (measurements in feet):**

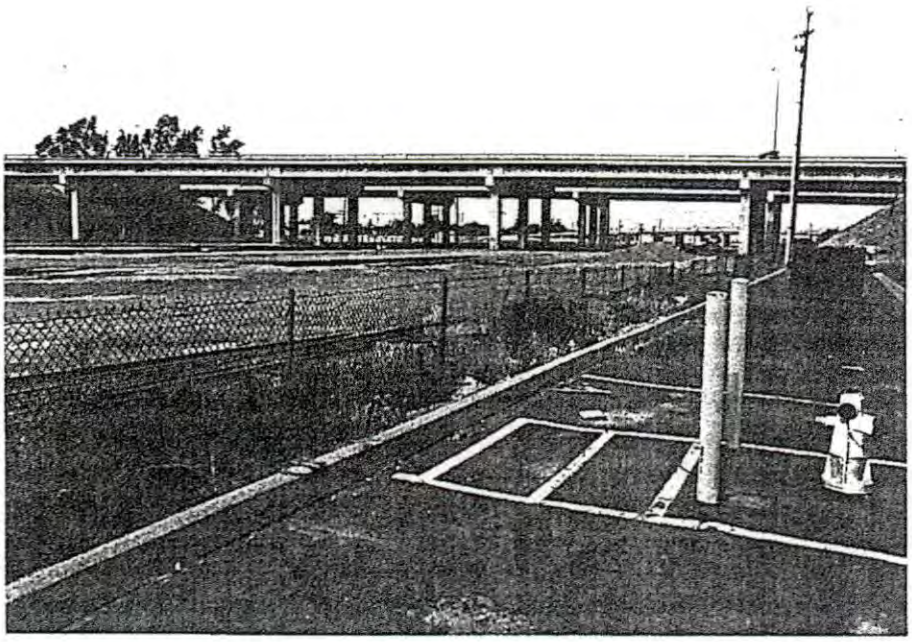
Top width: Unable to measure - no access.
Height: N/A
Material: Earthen.

8. **Sketch, in cross section:**

N/A

9. **Location sketch:**





RAILROAD FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

Supplement

P-15-000560
CA-KER-560H

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: SF-8

PHOTO DATE: August 18, 1993

1. **Name of Feature:** Santa Fe Railroad Bridge Over Kern River

2. **Location of recordation:** SF-8 is located at the south end of a railroad bridge that spans the Kern River, north of the ATSF crossing of Truxtun Avenue.

3. **Other locations for recording this feature:** SF-1, SF-2, SF-3, SF-4, SF-5, SF-6, SF-7, SF-9

4. **Structures at or near this location:** A bicycle path extends along the left bank of the Kern River.

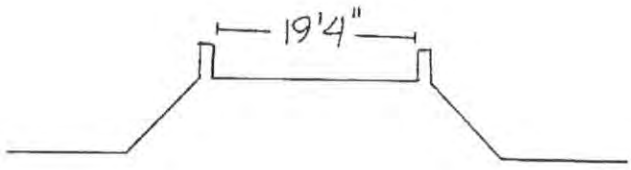
5. **Setting at this location:** There is an oil field on the right bank of the Kern River. On the left bank of the river, south of Truxtun Avenue, are commercial-industrial buildings.

6. **Integrity considerations for this feature:** This is an active main line. The bridge is not the original span installed by the Santa Fe in 1898. An evaluation of this bridge is appended to this report as Appendix 1.

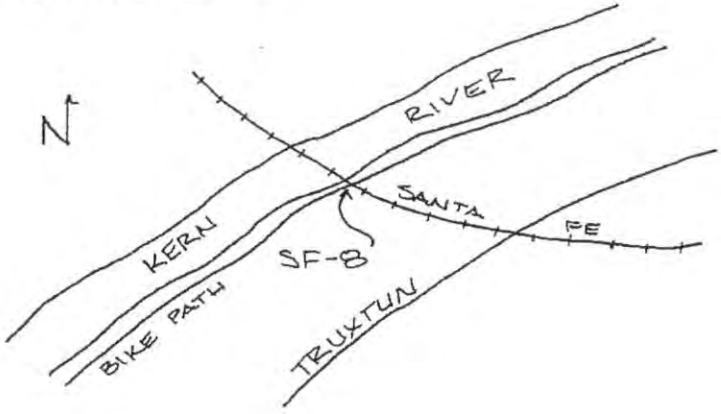
7. **Attributes at this location (measurements in feet):**

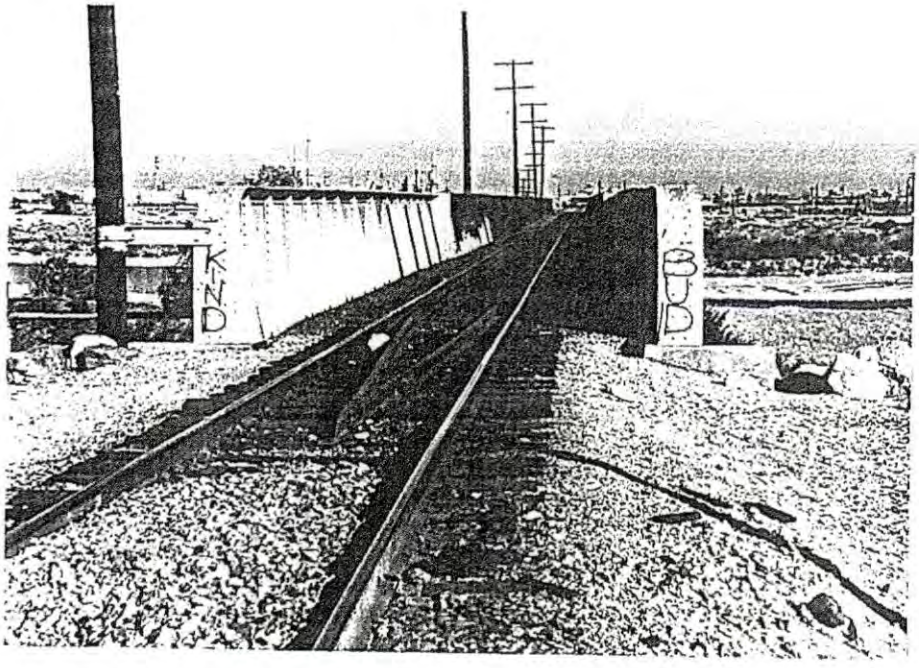
Top width: 19'4"
Height: See sketch
Material: Steel on concrete pylons

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





RAILROAD FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

Supplement

P-15-000560
CA-KER-560H

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: SF-9
PHOTO DATE: August 16, 1993

1. **Name of Feature:** Santa Fe Railroad, Main line

2. **Location of recordation:** SF-9 is located where the ATSF crosses Truxtun Avenue and the Kern River. There is one mainline, along with one siding located southeast of Truxtun Avenue.

3. **Other locations for recording this feature:** SF-1, SF-2, SF-3, SF-4, SF-5, SF-6, SF-7, SF-8

4. **Structures at or near this location:** A railroad bridge carries the main line over Truxtun Avenue.

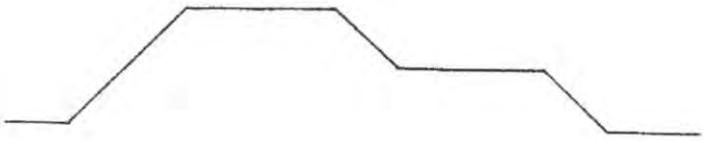
5. **Setting at this location:** This is a commercial area.

6. **Integrity considerations for this feature:** This recently constructed concrete bridge (ca. 1982) carries the railroad tracks over Truxtun Avenue.

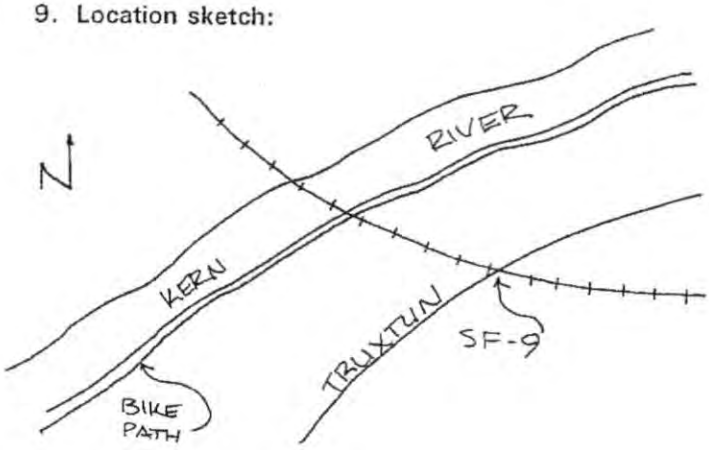
7. **Attributes at this location (measurements in feet):**

Top width: N/A
Height: N/A
Material: Earthen embankment leading to concrete and steel bridge.

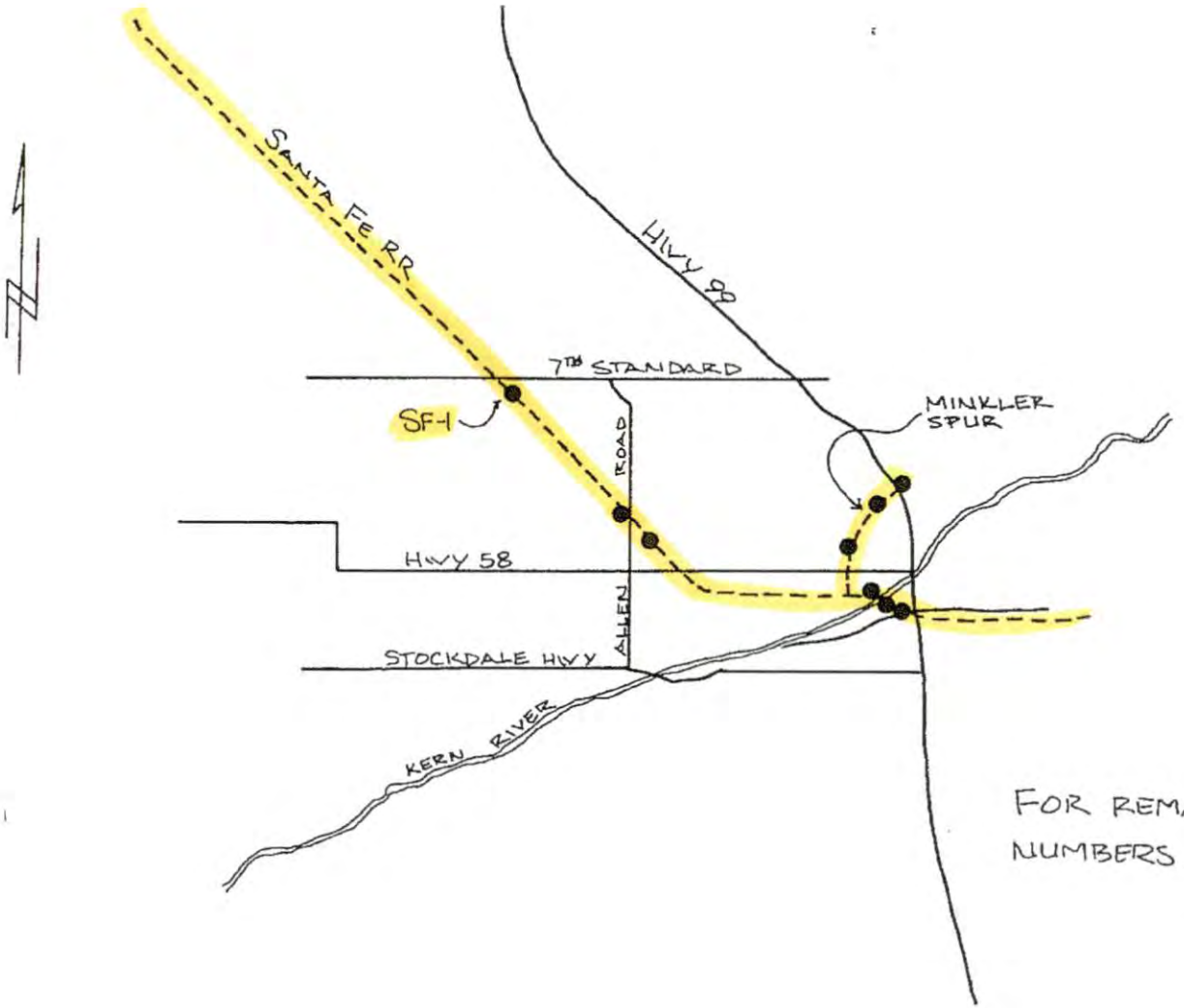
8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**







Supplement

P-15-000560
CA-KER-5604

06-Ker-58-R35.4/R52.3
Contract No. 06G171

Figure 5: Santa Fe Railroad and Minkler Spur
Recordation point SF-1

Supplement

P-15-000560
CA-KER-560H

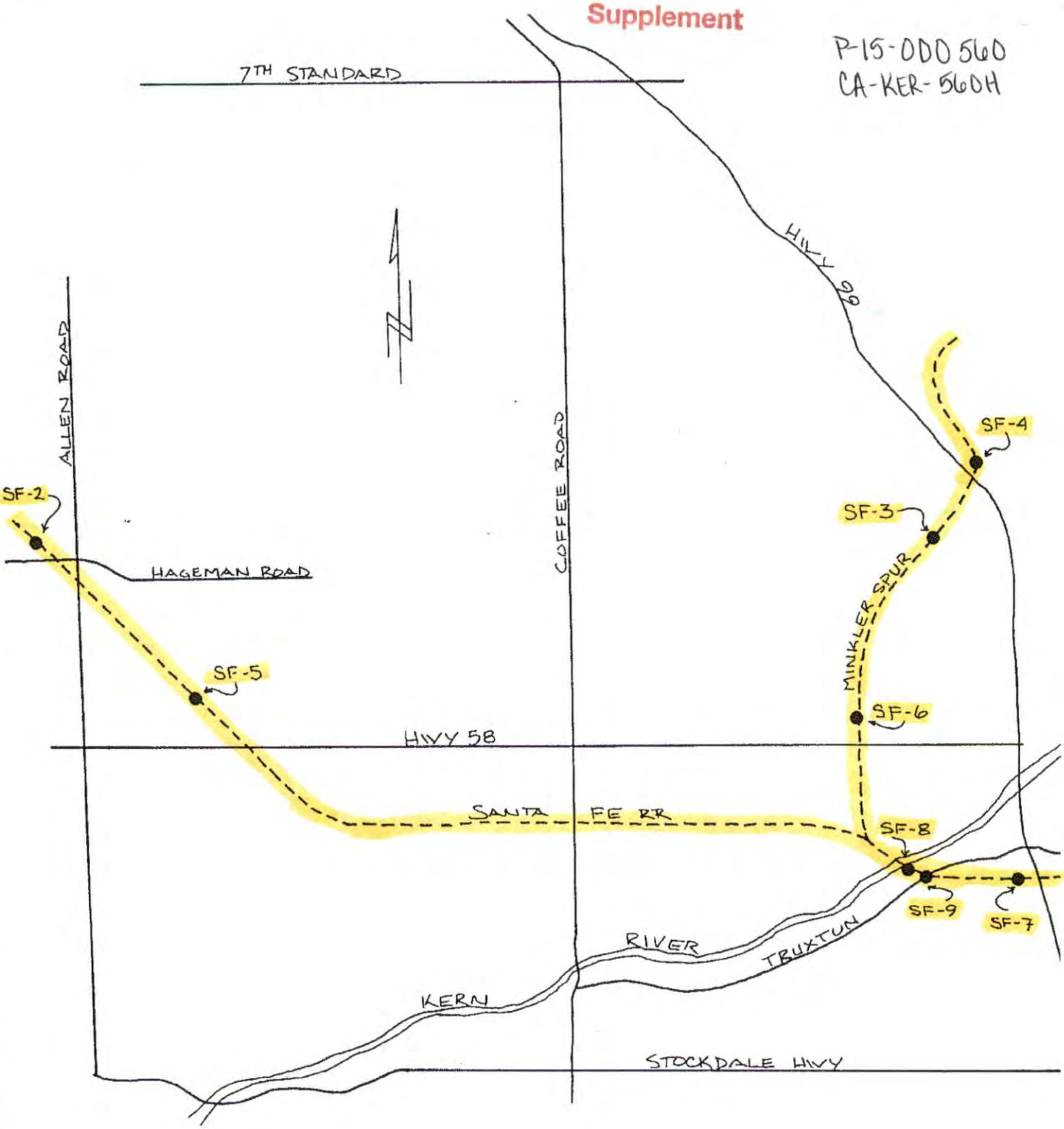


Figure 6: Santa Fe Railroad and Minkler Spu
Recordation points SF-2 through SF-9

R15-000560

Supplement

MACKO
ARCHAEOLOGICAL
CONSULTING

Permanent Trinomial: CA-Ker-560 H
Supplement X
Other Designations: ATT-R-2, R-6
AT&SF

Archaeological Site Record **Page** 1 **of** 5

1. **County:** Kern

2. **USGS Quad:** Leuhman Ridge (7.5') 184B **Photorevised:** 1973
Mojave (7.5') 211C 1973

3. **UTM Coordinates--Zone:** 11;

Section R-2	North:	435200m **Easting**	3871540m **Northing**
	South:	435040m **Easting**	3871430m **Northing**
Section R-6	North:	395660m **Easting**	3876330m **Northing**
	South:	395820m **Easting**	3876190m **Northing**

4. **R-2: Township** 10N **Range** 8W; SE1/4 **of Section** 3 **Base Mer.** SBBM
R-6: Township 11N **Range** 12W; SW1/4 **of Section** 22 **Base Mer.** SBBM

5. **R-2: Map Coordinates** 66 **mmS** 150mmE **6. Elev.** 2385
R-6: Map Coordinates 459 **mmS** 408mmE **6. Elev.** 2640

7. **Location:** To access section R-2, travel west on 20 Mule Team Road for 4.4 miles from Intersection of Boron Avenue and 20 Mule Team Road in Boron to Rich Road, which intersects on left (south). Turn left (south) and continue for 1.6 miles. Old railroad grade is on left (east) of road, where railroad has been truncated. Rails and ties are still in place on east of Rich Road, but the line was been dismantled on west of road in 1953 when line was rerouted. Section R-6 located 1.6 miles south of Mojave on Highway 14 to Purdy Road and 1.4 miles east. Section R-6 is still in service.

8. **Prehistoric** ___ **Historic** X **Protohistoric** ___ **9. Site Description:** This rail line is the original alignment of the Southern Pacific Railroad built from Mojave east to Barstow in 1882. Also known as the SP's Colorado Division, this line was built in an attempt to prevent the Atchison Topeka and Santa Fe Railroad from establishing a line to the Pacific. In 1884 the AT&SF bought the SP Colorado Division between Needles and Mojave for $7,271,000 and obtained trackage rights on SP's line to San Francisco/Oakland. The AT&SF was in operation along this alignment until 1953 when the Air Force entered an agreement with AT&SF to relocate the line to its current alignment along Highway 58. The purpose was to create a much greater unobstructed landing area for the high speed jet aircraft being developed and tested at Edwards Air Force Base since 1942.

10. **Area:** 40m (N-S) X 5m (E-W); **How Determined:** Map Data

11. **Depth:** 0 cm; **How Determined:** N/A

P-15-000560

Supplement

12. Features: Railroad grade, ties, and rails in place. The existing features are likely the result of rail rehabilitation prior to 1950 and do not represent original rails, etc.

13. Artifacts: None in Association

14. Non-Artifactual Constituents & Faunal Remains: None

15. Date Recorded: March 11, 1993 **16. Recorded By:** M. Macko

17. Affiliation and Address: Macko Archaeological Consulting 9701 Allison Circle, Huntington Beach, California (714) 965-3294.

18. Human Remains: No

19. Site Disturbances: Railroad was dismantled across EAFB. The section between Rich Road and Boron is in excellent condition, and the section south of Mojave is still in service.

20. Nearest Water: Numerous small ephemeral washes draining to the west toward Rogers Dry Lake occur within one mile to the north and south.

21. Vegetation Site Vicinity: Saltbush Scrub/ Joshua Tree

22. Vegetation On-Site: Same

23. Site Soil: Sandy Silt **24. Surrounding Soil:** Same

25. Geology: Alluvium

26. Landform: Valley Bottom

27. Slope: 0 **Exposure:** 360

29. Landowner Name & Address: AT&T Easement across Edwards Air Force Base.

30. Remarks: None

31. References: Macko (1993) Cultural Resources Investigation of the Proposed AT&T Lightguide System, Victorville to Bakersfield, California.

32. Name of Project: AT&T Lightguide Project (Fiber Optic) -- Victorville-Bakersfield

33. Type of Investigation: Intensive Survey

34. Site Accession No. N/A **Curated At:** N/A **35. Photos:** Yes

P-15-000560

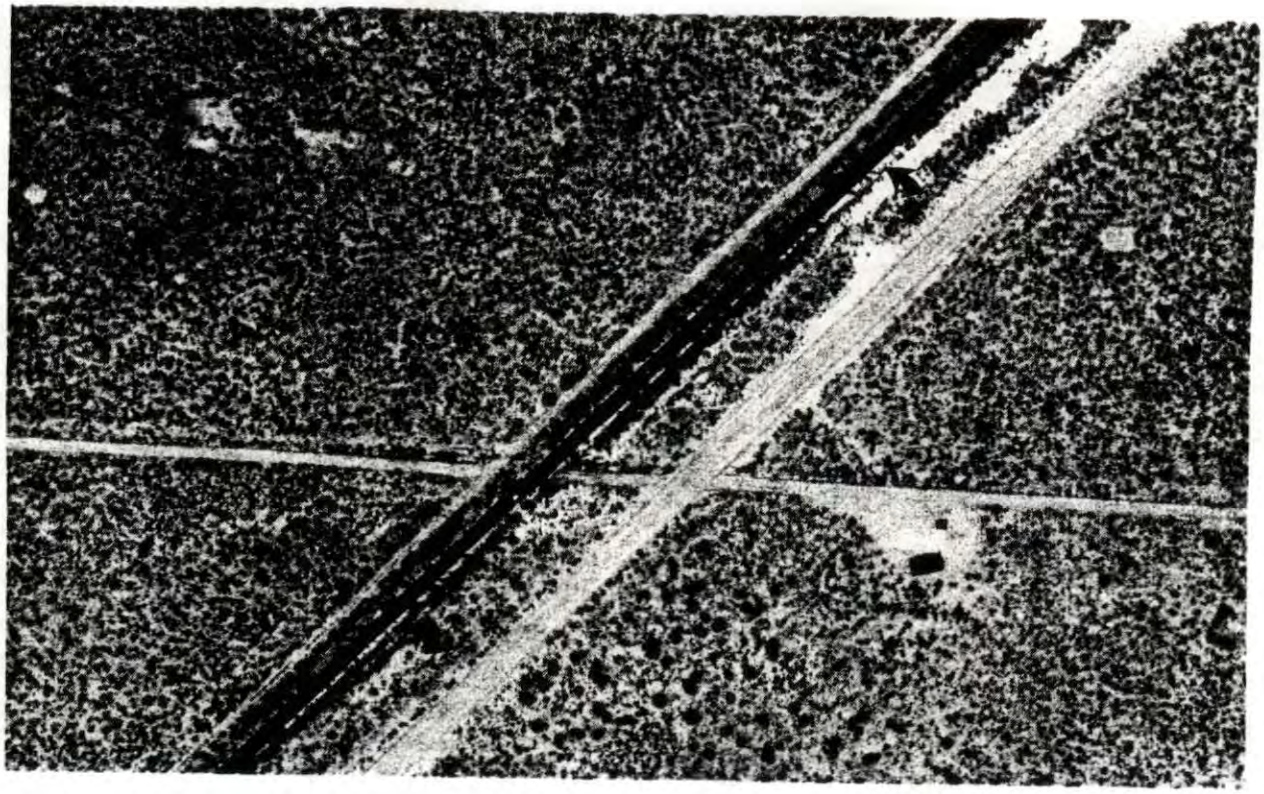
Supplement

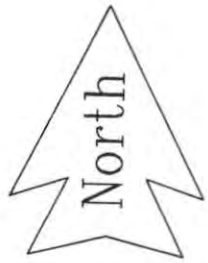
MACKO
ARCHAEOLOGICAL
CONSULTING

Permanent Trinomial: CA-Ker- H

Other Designations: ATT-R-2
AT&SF

Archaeological Site Map







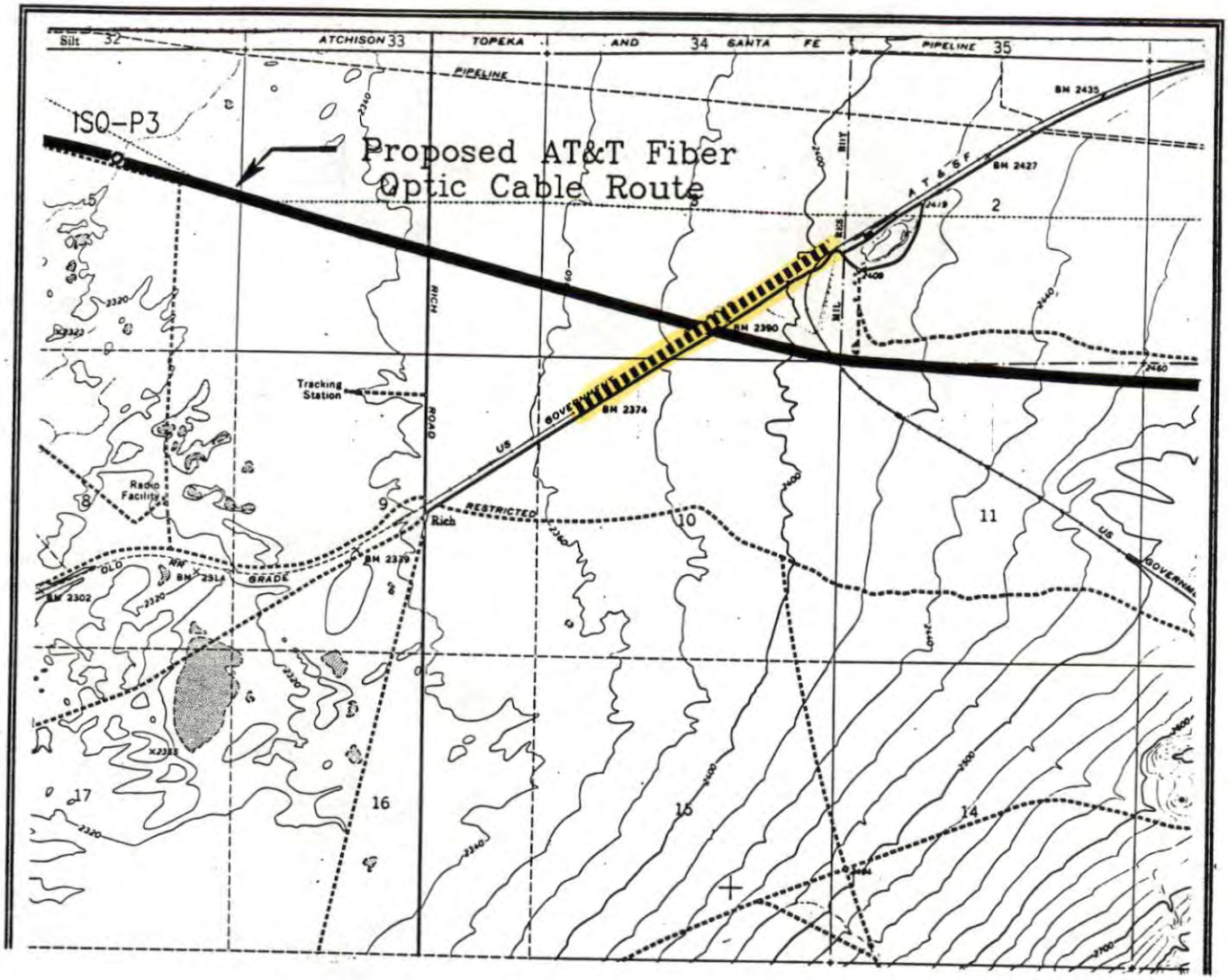
P-15-000560
Supplement

MACKO
ARCHAEOLOGICAL
CONSULTING

Permanent Trinomial: CA-Ker-

Other Designations: AT&T-R-2

Archaeological Site Location Map **Page 4 of 5**



P-15-000560

Supplement

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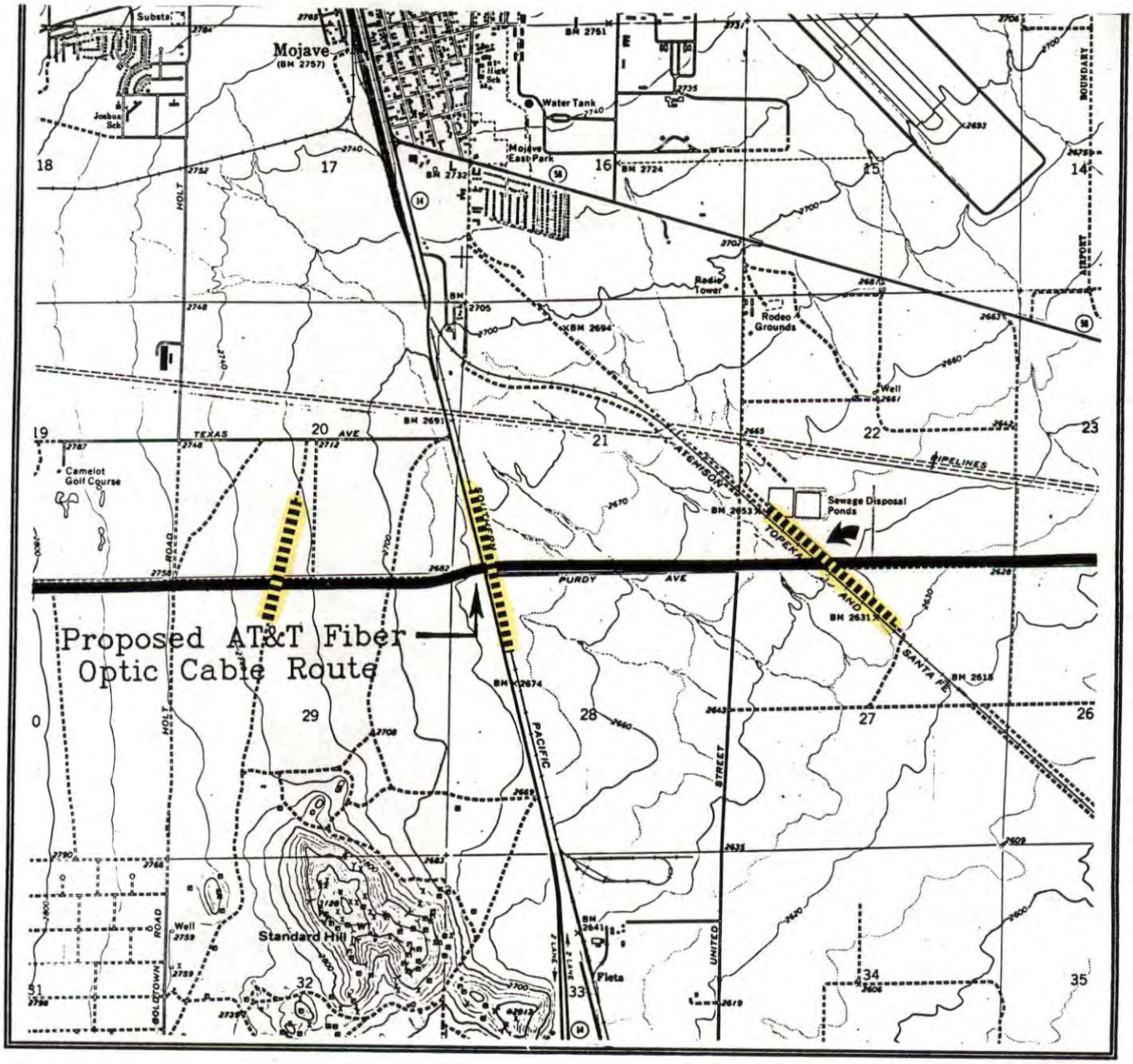
CONSULTING

Permanent Trinomial: CA-Ker-

Other Designations: AT&T-R-6

Archaeological Site Location Map



P-15-000560

Supplement

State of California
The Resources Agency
Department of Parks and Recreation

Permanent Trinomial: Ker-560 H
Other Designations: EAFB-1
Supplement? Yes

ARCHAEOLOGICAL SITE RECORD

1. **County:** Kern

2. **USGS Quad:** Edwards, Rogers Lake North 7.5' 1973 15'
Photorevised: N/A

3. **UTM Coordinates: Zone:** 11 **M Easting:** 414180 **M Northing:** 3866420
Additional UTMs:
414830 Easting / 3865860 Northing
415370 Easting / 3865440 Northing
415720 Easting / 3865000 Northing
416000 Easting / 3864750 Northing
416540 Easting / 3864390 Northing
416860 Easting / 3864270 Northing
417120 Easting / 3864190 Northing
417500 Easting / 3864070 Northing
417760 Easting / 3864020 Northing

4. **Township** 10N **Range** 10W
1/4 of 1/4 of 1/4 of 1/4 of Section(s) 27,34,35,36
Base Meridian: San Bernardino Base
Site also runs through unsectioned portion of Rogers Lake

5. **Map Coordinates:**

284	mmS	228	mmE
308	mmS	257	mmE
324	mmS	278	mmE
342	mmS	293	mmE
352	mmS	305	mmE
368	mmS	327	mmE
372	mmS	341	mmE
376	mmS	352	mmE
381	mmS	368	mmE
383	mmS	379	mmE

6. **Elevation:** 2320 ft. to 2357 ft.

7. **Location:** Begins at the intersection of Forbes and Mojave Roads and runs in a general SE direction into the location of the former town of Muroc, then NE into Boron.

8. **Prehistoric:** **Historic:** X **Protohistoric:**

9. **Site Description:** Old railroad bed with tracks removed. The railroad west of Forbes St. is gone (up to 0.5 mile [surveyed area]). Railroad bed from Forbes St. to Bailey runs to parallel and a few meters north of Mojave, and is relatively intact; this portion of the track also

P-15-000560

Supplement

State of California
The Resources Agency
Department of Parks and Recreation

Permanent Trinomial: Ker-560
Other Designations: EAFB-1

ARCHAEOLOGICAL SITE RECORD

has two "features" consisting of small concrete boxes apparently marking the location of former signals. Artifacts observed in this section of the track include: railroad spike, metal coupler, square nail (collected, field #EAFB-1-1), insulator glass, washers, tie fragments. Those sections of the track running from Mojave to Lancaster, from Lancaster to Rosamond, and from Rosamond to Wolfe Avenue are in very poor condition. The original path of railroad in these sections is still definable only due to the presence of pink rhyolite used in the construction of the bed.

10. **Area:** 48280 **M (length)** x 10 **M (width)** = 379191.1 M^2 (48.28km long)
Method of Determination:

11. **Depth:** Unknown **cm. Method of Determination:**

12. **Features:** Railroad Bed

13. **Artifacts:** solder-seam tin can, milled wood, purple glass, sanitary cans, aqua insulator glass, wire, 1 frag. decal-decorated porcelain, 1 padlock, 1 wire-type nail, 1 lrg carriage bolt, 1 light weight alloy plane part, 3 ferrous metal washers, 2 broken railroad spikes, and 1 sanitary rectangular meat can.

14. **Non-Artifactual Constituents and Faunal Remains:** None noted

15. **Date Recorded:** 2-15-88

16. **Recorded By:** Patrick Haynal, Frank Ritz, Diane Adams, William Manley

17. **Affiliation and Address:** RECON, 1276 Morena Boulevard, San Diego, CA 92110

18. **Human Remains:** None observed

19. **Site Disturbances:** Yes, see item 9.

20. **Nearest Water (type, distance, and direction):** Rogers Dry Lake, eastern portion of original track crosses the lake bed.

21. **Vegetation Community (site vicinity):** Site runs through Mojave mixed woody scrub, Mojave creosote bush scrub, and Shadscale scrub.
Plant list: Joshua trees, creosote, salt bush, various groundcover

22. **Vegetation (on-site):** See item 21

23. **Site Soil:** Sand

P-15-000560

Supplement

State of California
The Resources Agency
Department of Parks and Recreation

Permanent Trinomial: Ker-560
Other Designations: EAFB-1

ARCHAEOLOGICAL SITE RECORD

24. **Surrounding Soil:** Sand

25. **Geology:** Quaternary alluvial fill with granitics and metamorphics

26. **Landform:** Basin flats and dry lake bed

27. **Slope:** 0% to 2%

28. **Exposure:** Open

29. **Landowner(s) or Tenants:** USAF - AFFTC/DEER. Stop 210, Edwards AFB, CA 93523

30. **Remarks:** See item 9 and note also that UTMs and map coordinates provided for ten points between Forbes and Wolfe Avenues (Main Base area).

31. **References:**

32. **Name of Project:** Edwards AFB, Main Base Survey (R-1755B)

33. **Type of Investigation:** Intensive Survey

34. **Site Accession Number:** EAFB-1
Curated At: AFFTC/DEV, Edwards AFB, CA 93523

35. **Photos:** None

P-15-000560

Supplement

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

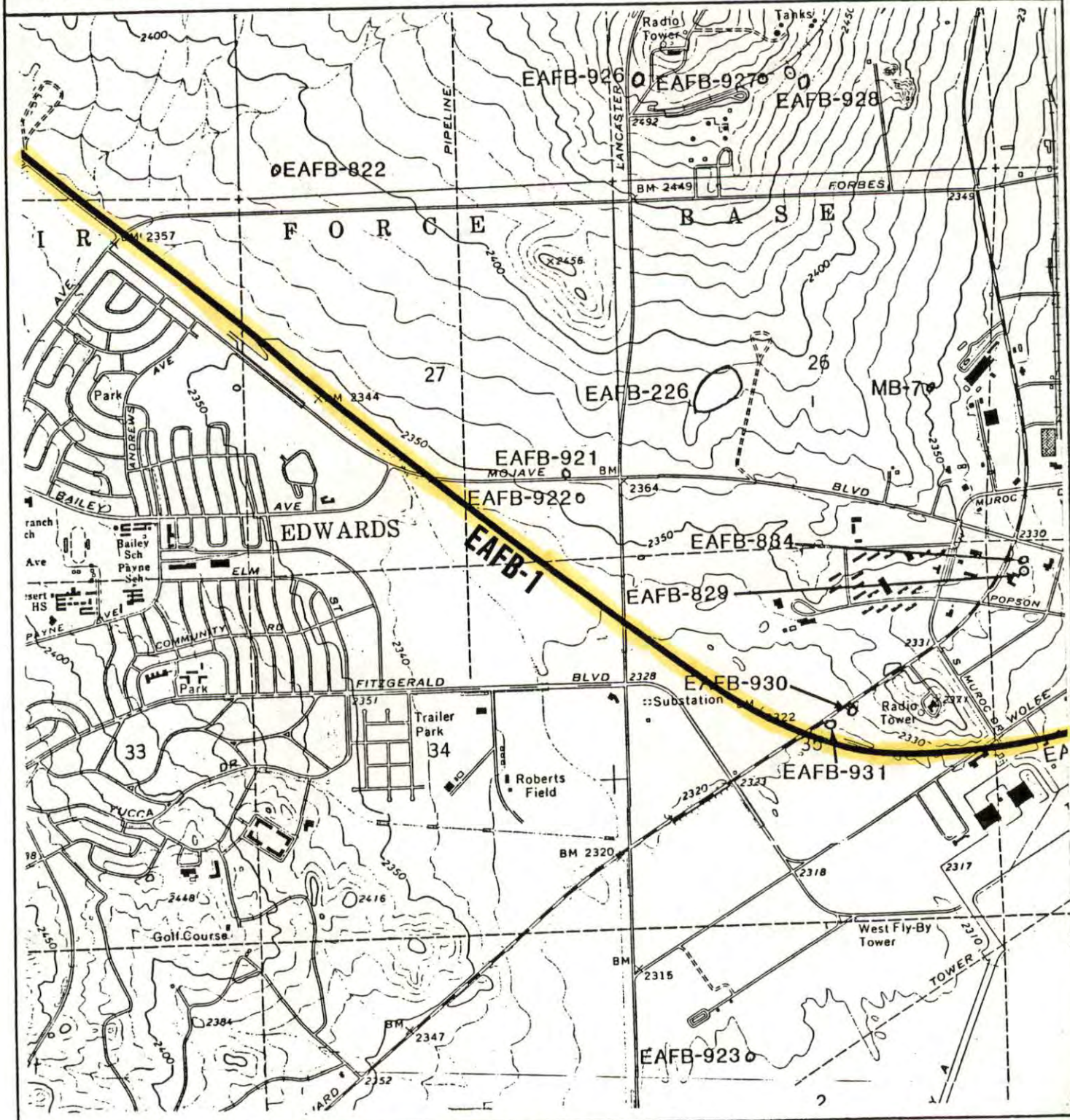
ARCHEOLOGICAL SITE LOCATION MAP

Page 4 of 13.

Permanent Trinomial: KER-560 / _____ (mo. yr.)

Temporary Number: _____

Agency Designation: EAFB-1



EDWARDS QUADRANGLE
CALIFORNIA—KERN CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

N

1000 0 2000
FEET

DPR 422F (Rev. 8/82)

P-15-000560

Supplement

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

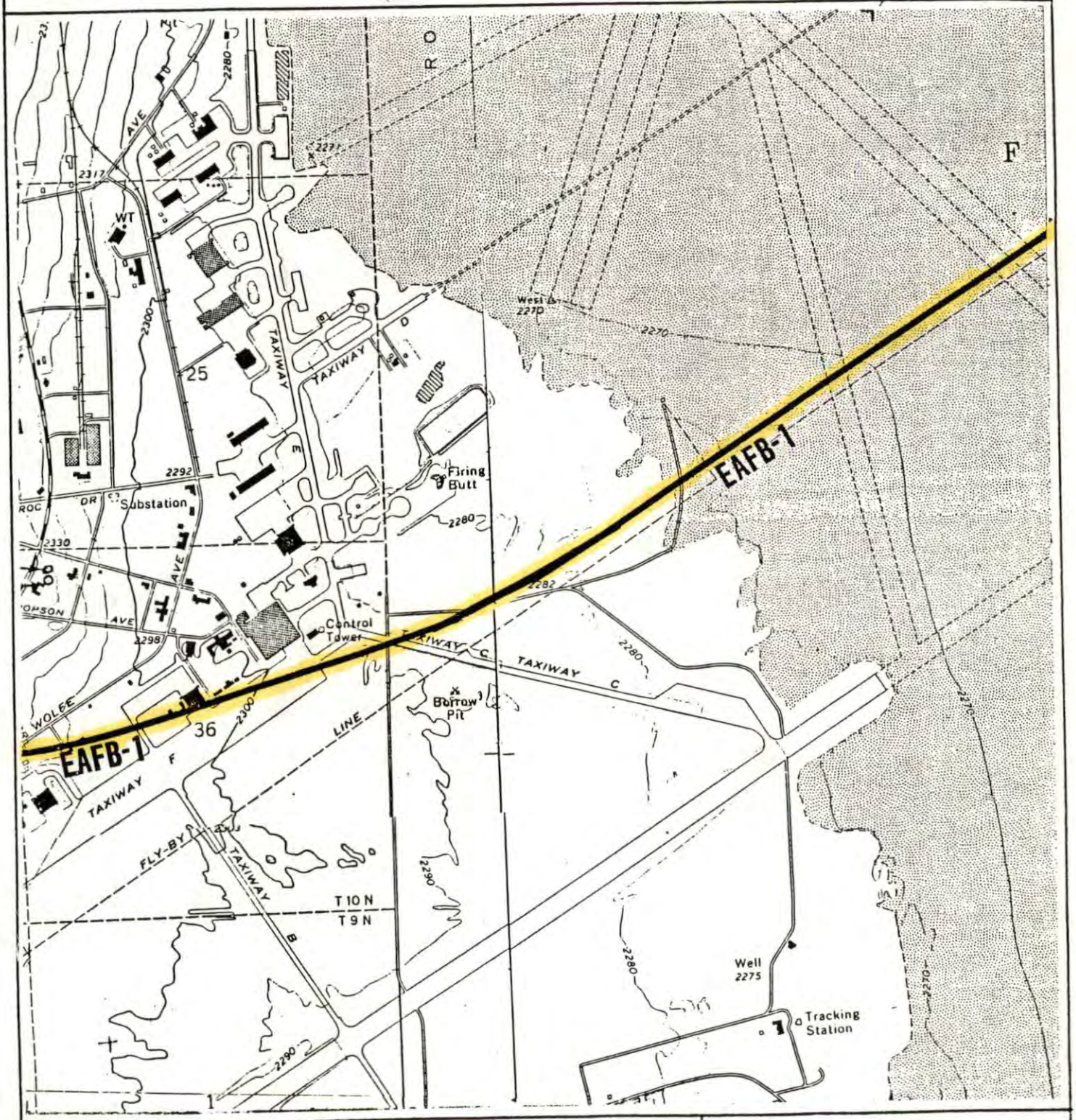
ARCHEOLOGICAL SITE LOCATION MAP

Page 5 of 13.

Permanent Trinomial: KER-560 / _____ (mo. / yr.)

Temporary Number: _____

Agency Designation: EAFB-1



ROGERS LAKE NORTH, CALIF.
NE/4 ROGERS LAKE 15' QUADRANGLE
N3452.5—W11745/7.5

N

1000 0 2000
FEET

DPR 422F (Rev. 8/82)

P-15-000560

Supplement

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE MAP

Page 6 of 13.

Permanent Trinomial: KER-560 / ____ (mo. / yr.)

Temporary Number: ____

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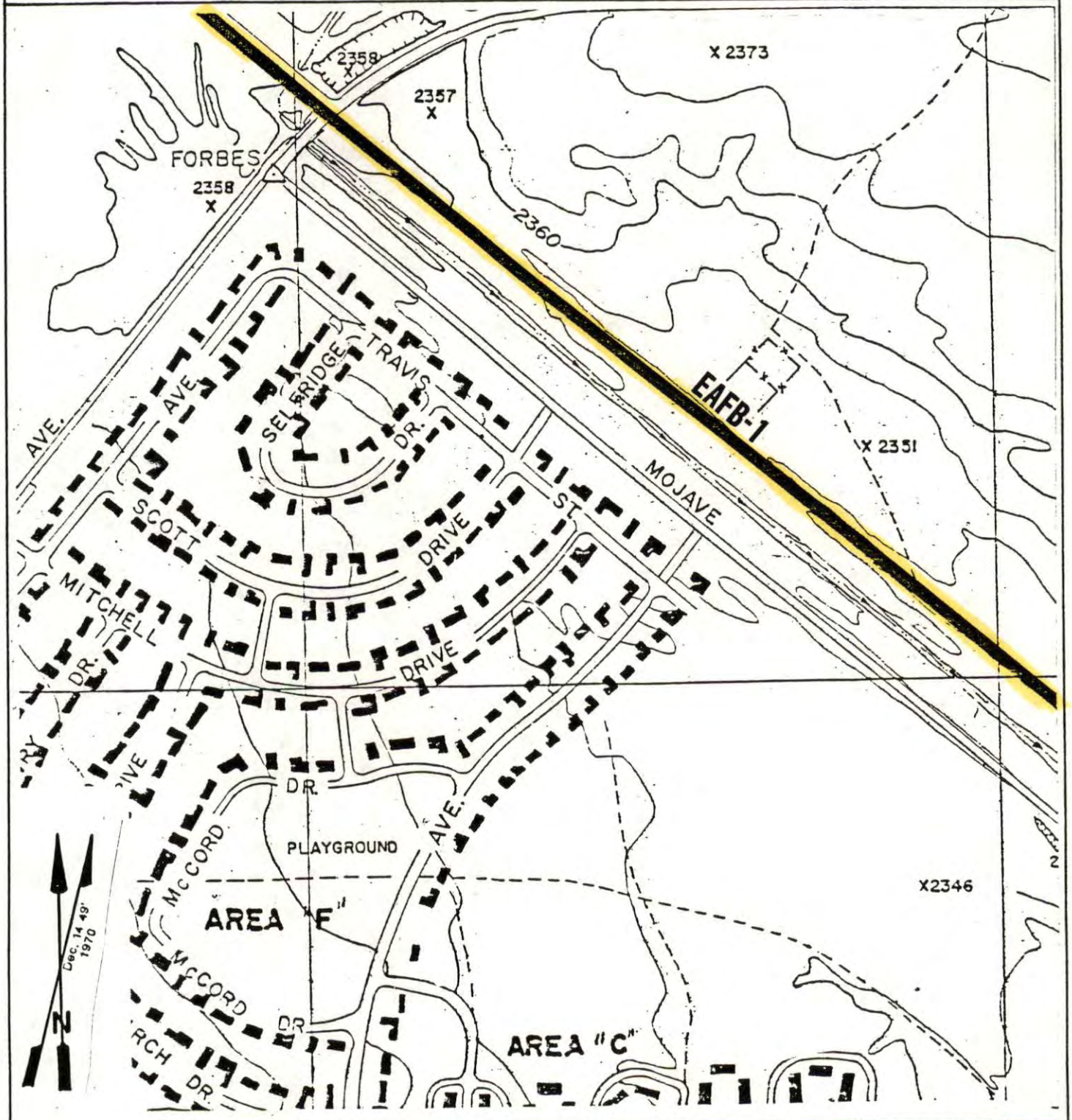

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METERS

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DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE MAP

Page 7 of 13.

Permanent Trinomial: KER-560 / _____ (mo. / yr.)

Temporary Number: _____

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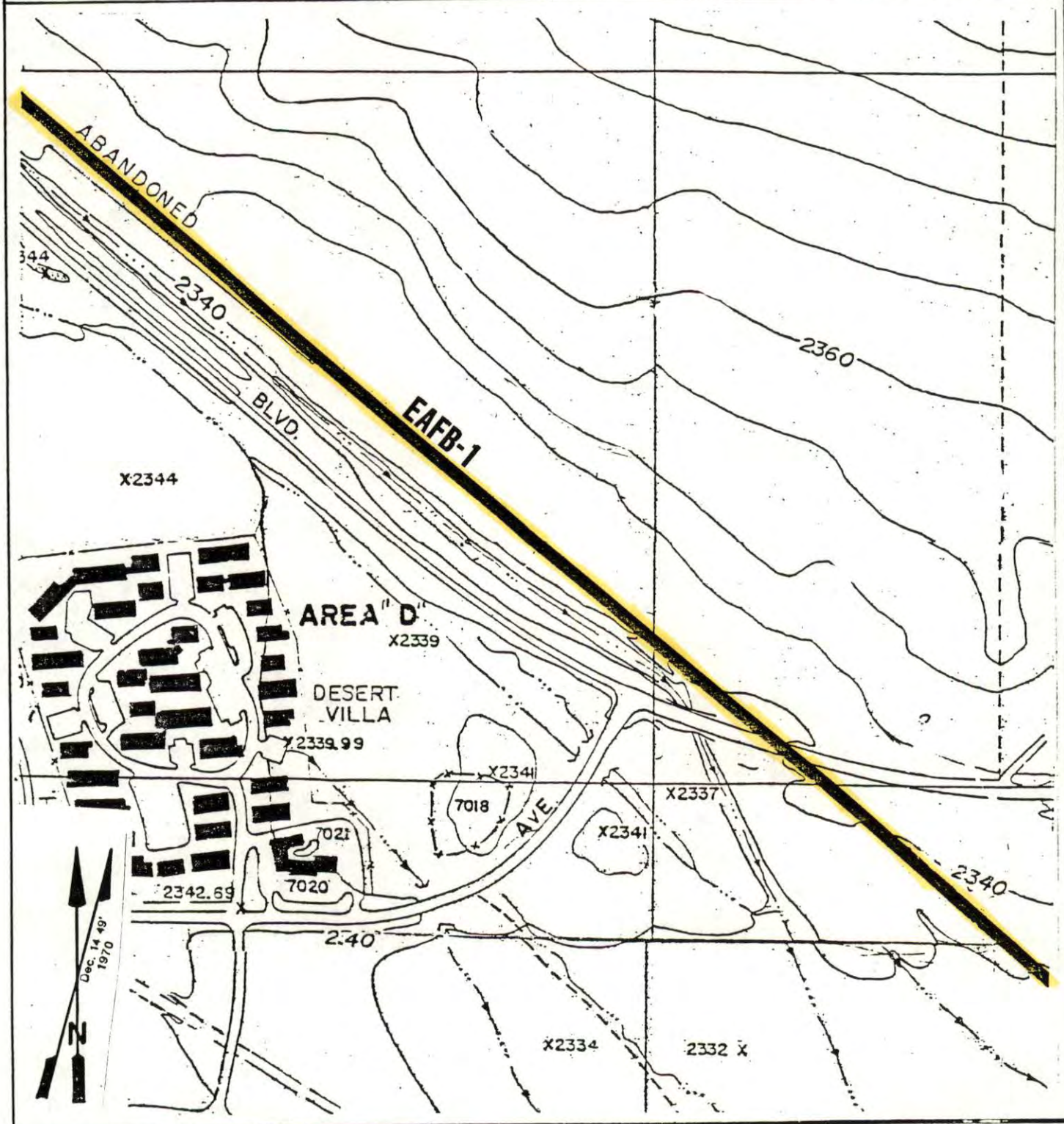

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METERS

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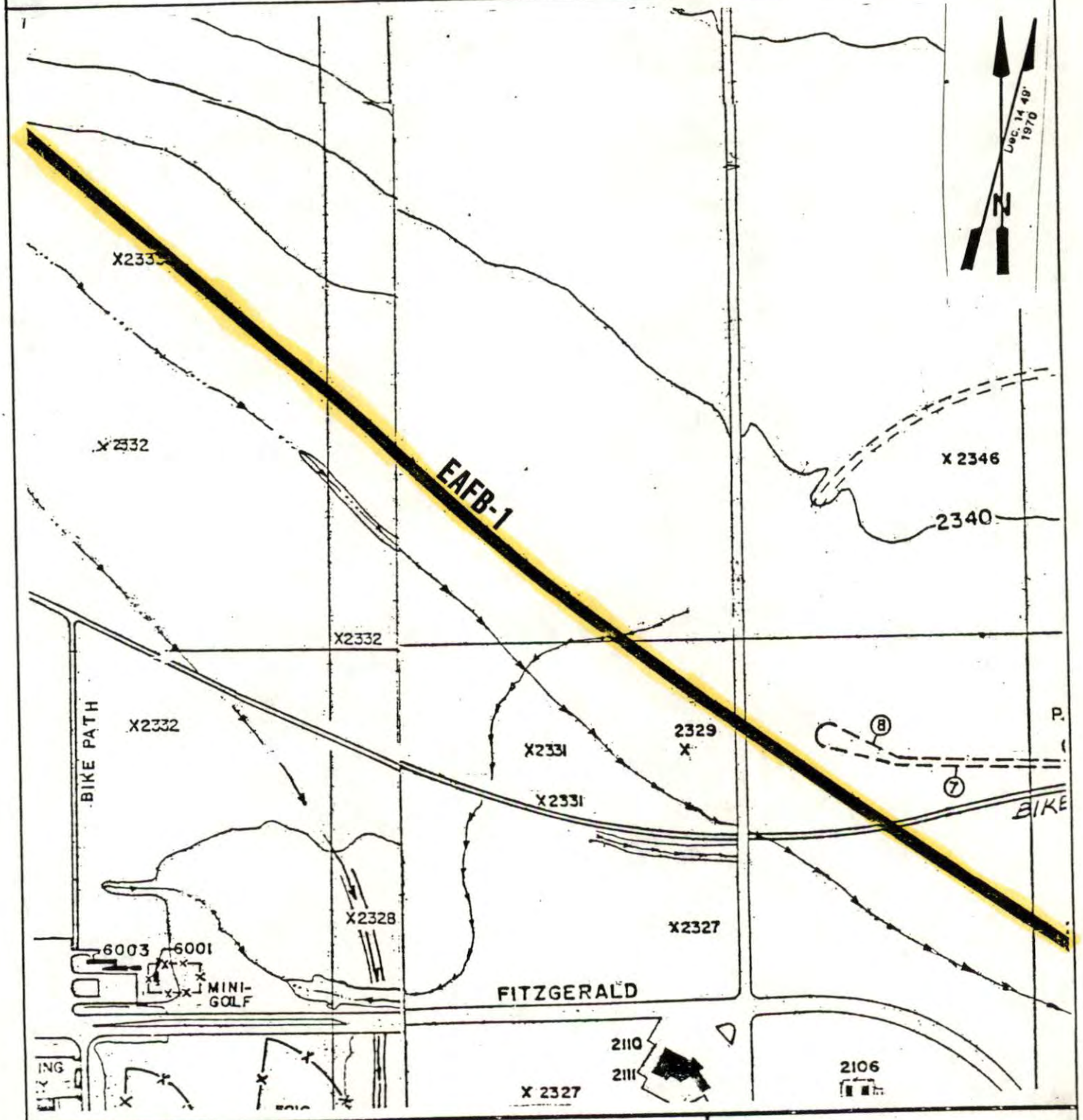
ARCHEOLOGICAL SITE MAP

Page 8 of 13.

Permanent Trinomial: KER-560 / ____ (mo. / yr.)

Temporary Number: ____

Agency Designation: EAFB-1



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ARCHEOLOGICAL SITE MAP

Page 9 of 13.

Permanent Trinomial: KER-560 / ____ (mo. / yr.)

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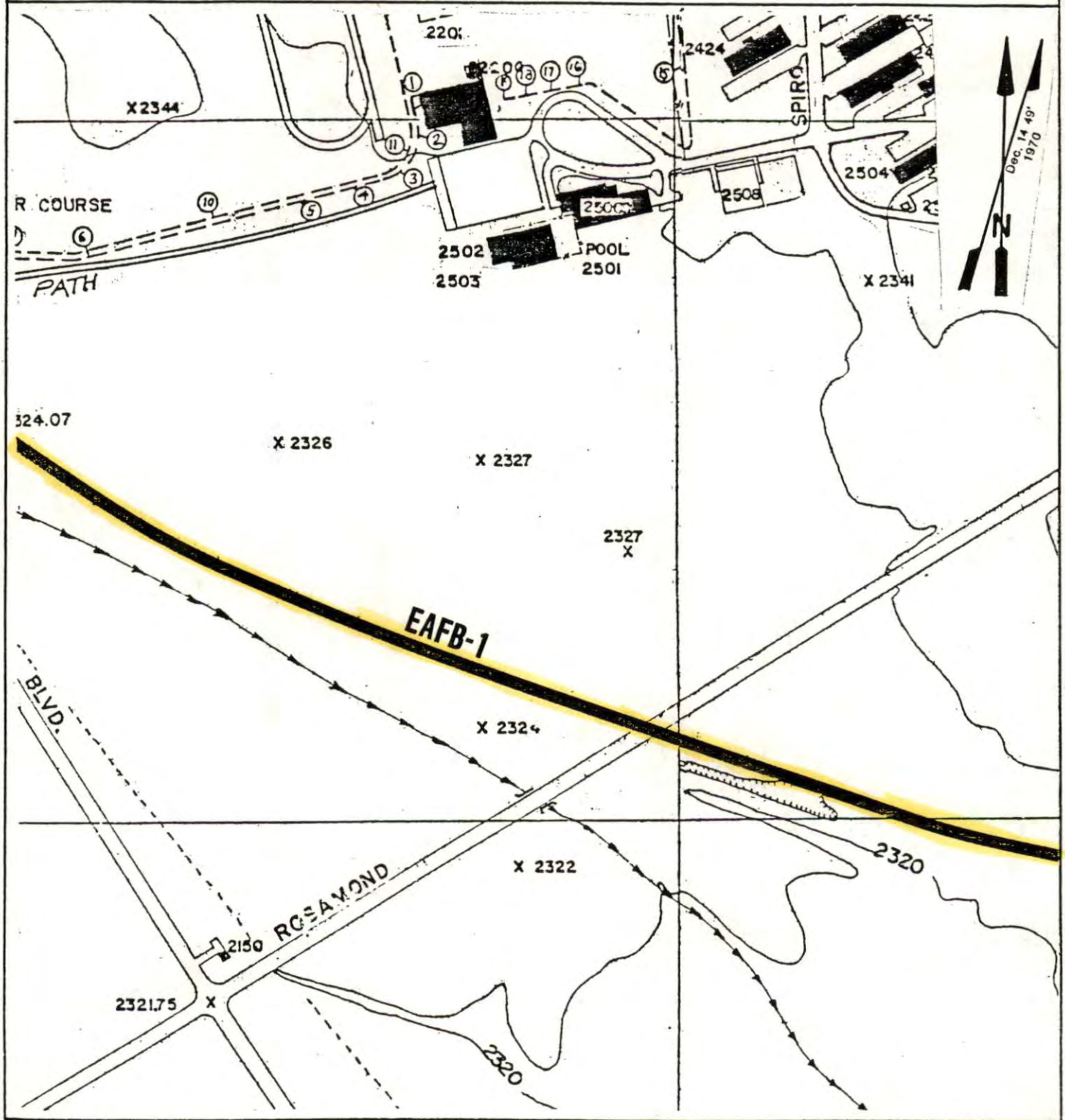

EAFB-1

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METERS

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ARCHEOLOGICAL SITE MAP

Page 10 of 13.

Permanent Trinomial: KER-560 / _____ (mo. / yr.)

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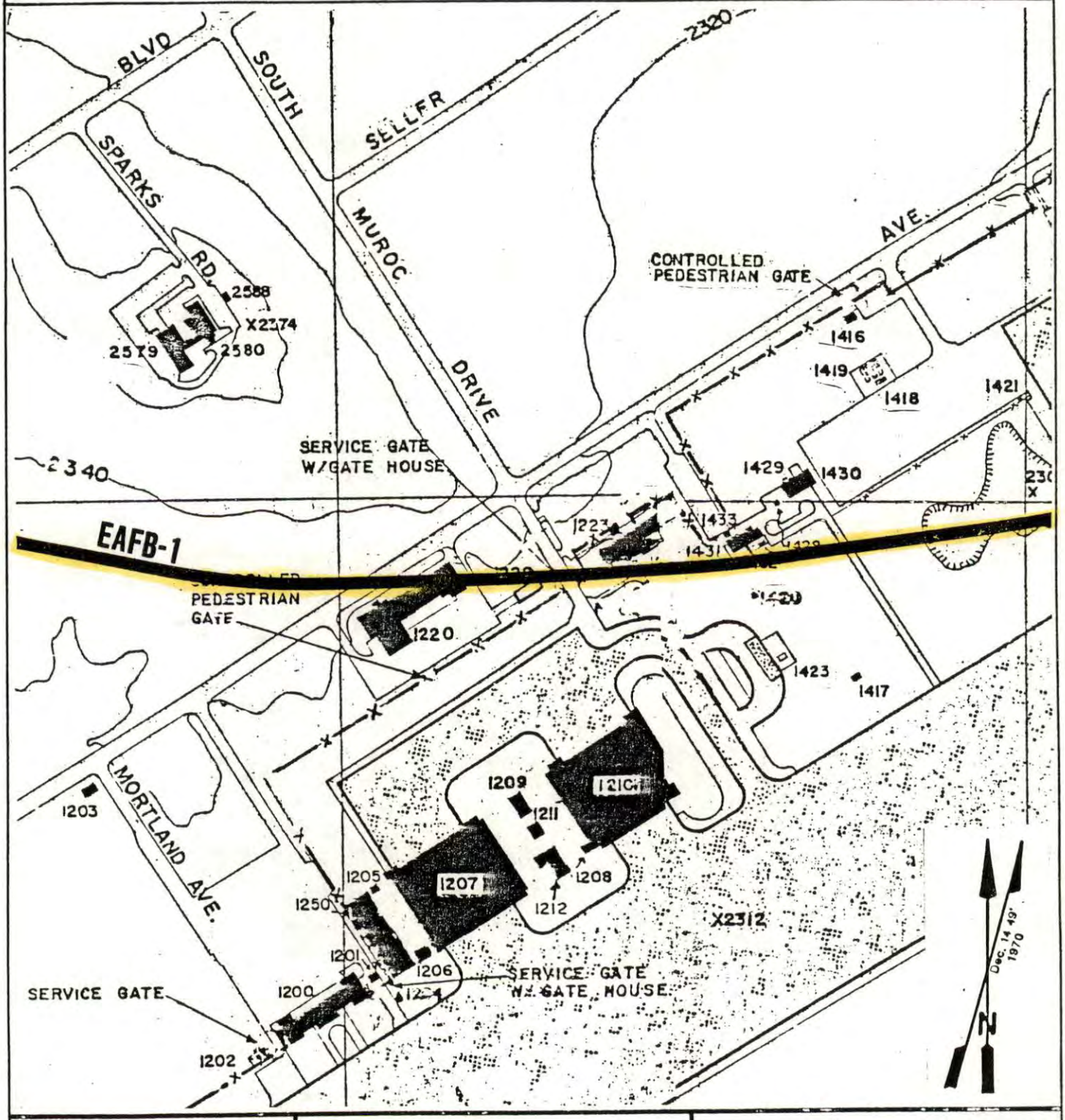

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METERS

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ARCHEOLOGICAL SITE MAP

Page 11 of 13.

Permanent Trinomial: KER-560 / ____ (mo. / yr.)

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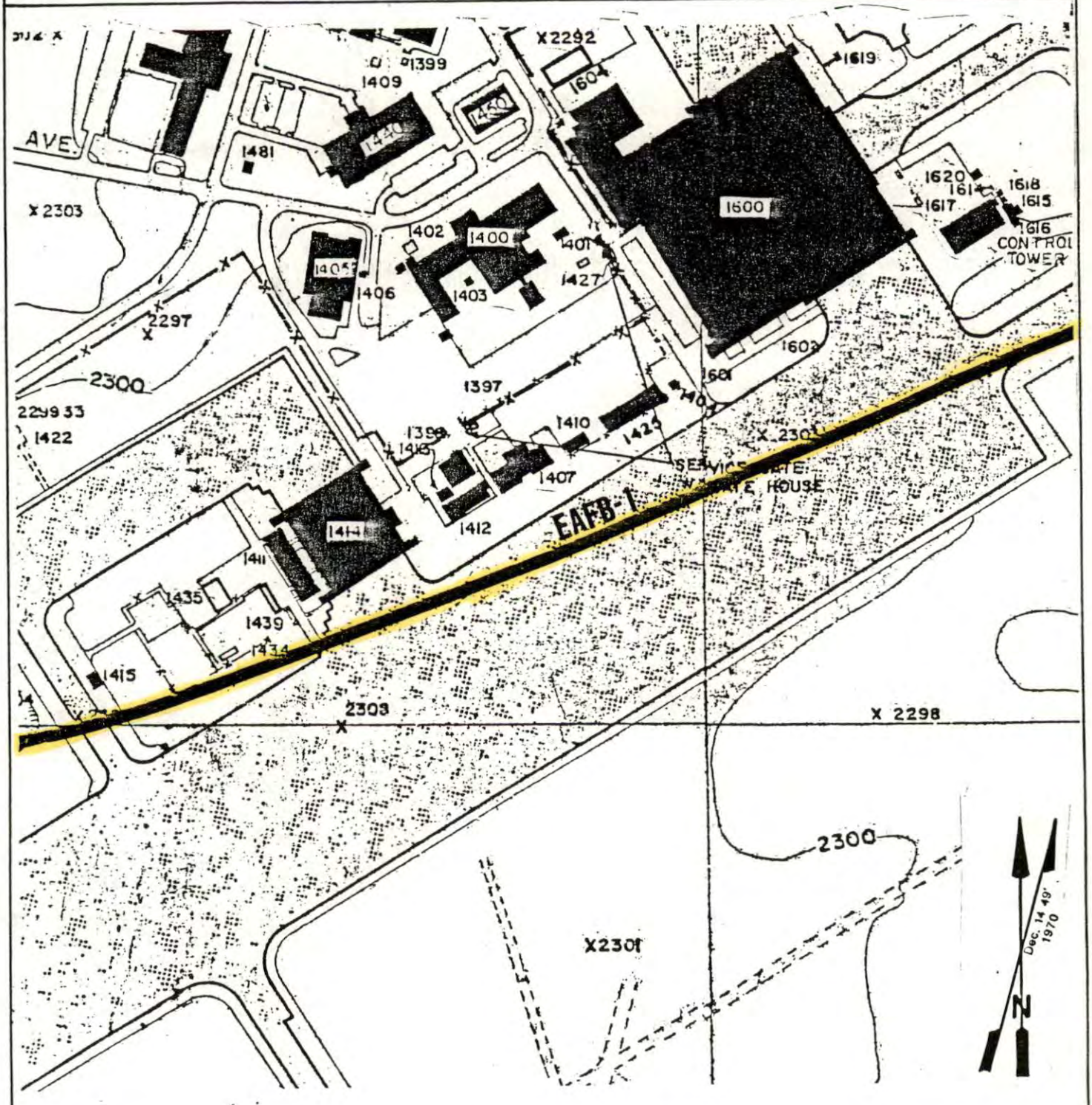

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METERS

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State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE MAP

Page 12 of 13.

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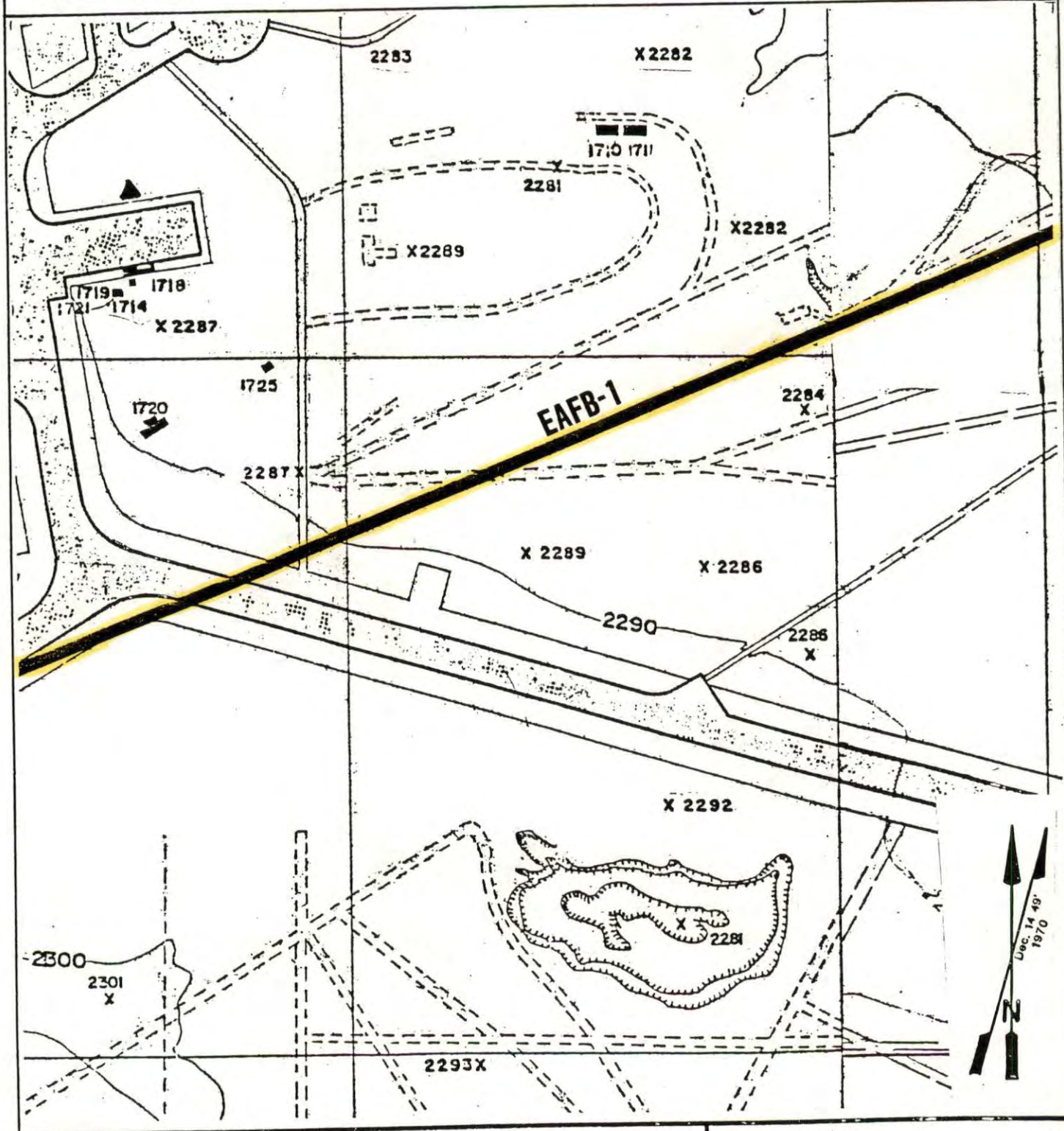

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METERS

DPR 422F (Rev. 8/82)

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State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE MAP

Page 13 of 13.

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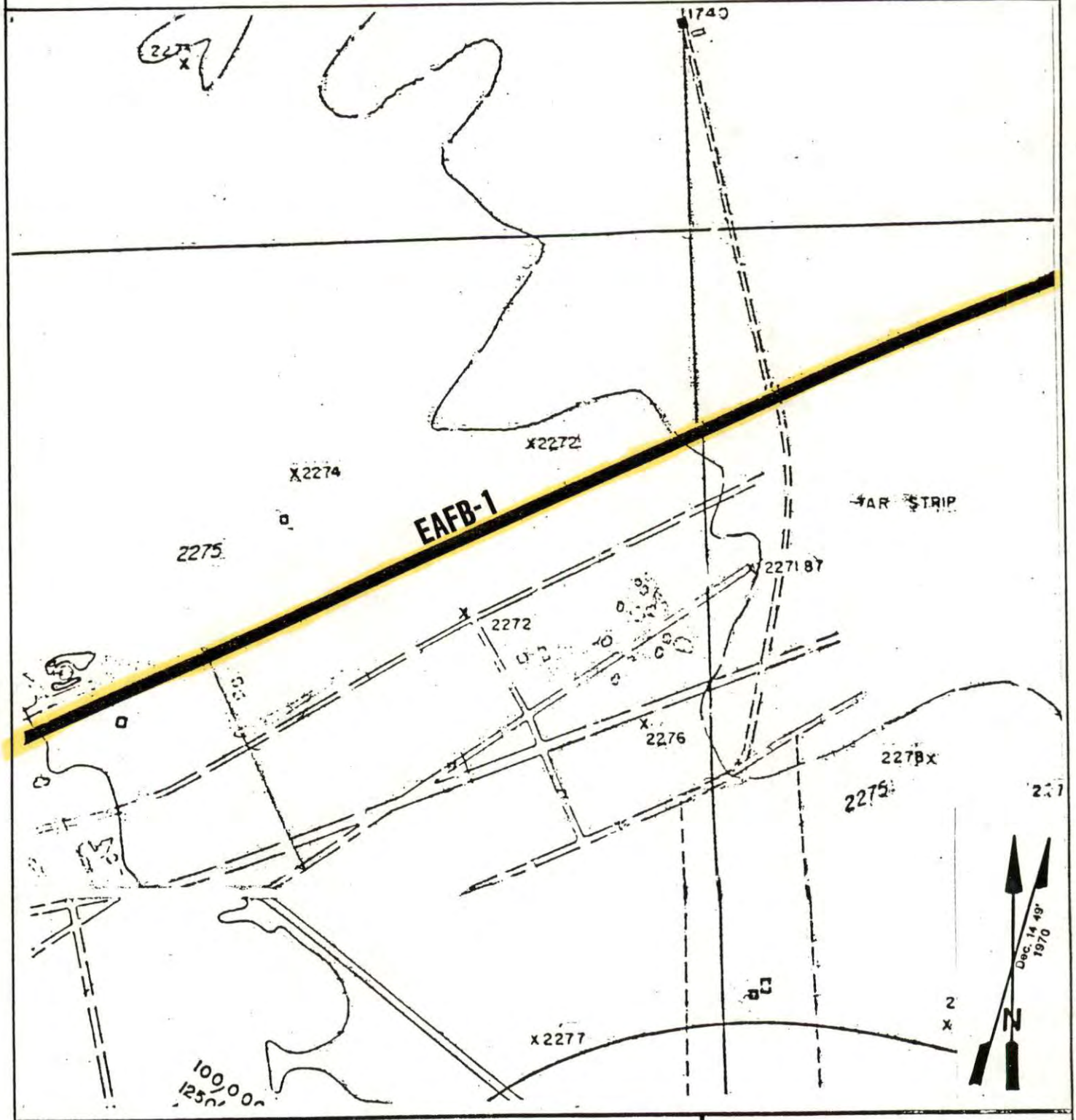

EAFB-1

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METERS

DPR 422F (Rev. 8/82)

P-15-000560

EDWARDS AFB HISTORICAL INVENTORY

SITE #EAFB HR-1 PHOTO #_____

CATEGORY Railroad

DESCRIPTION Rogers Lake Quadrangle

Structures/Primary Element Railroad bed, signal bases on portion of grade throughout base area. Several station sites, Fluhr, Rich, Muroc, etc

Related Features Townsites of Rich, Muroc, Fluhr, and Bissell and their associated structures

Surface Deposits The townsite areas have a number of surface deposits including structural debris, metal, glass, and concrete

Surroundings Varying from lakebed to flat, open land

Landscape Elements ------

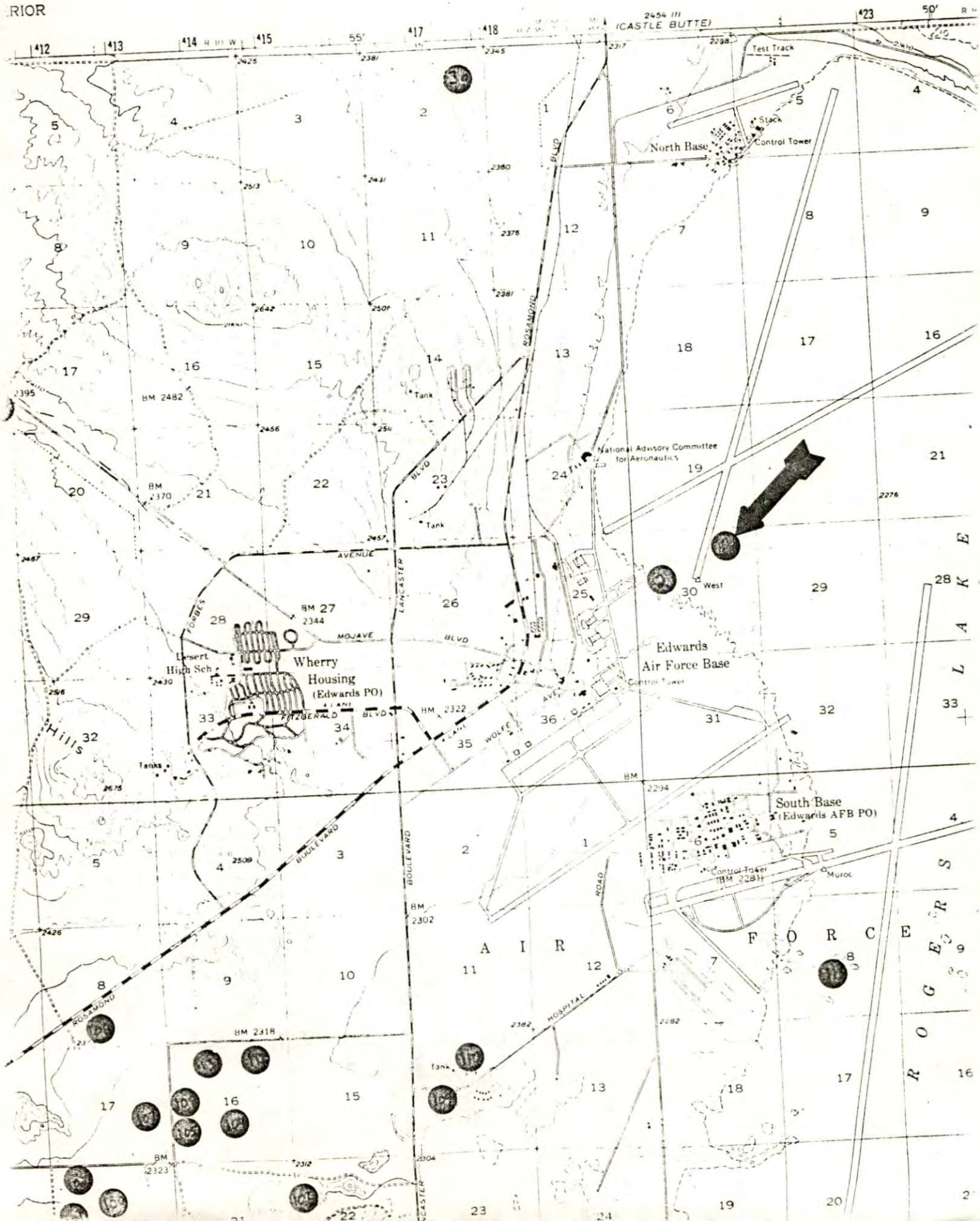
SIGNIFICANCE

Estimated Date of Construction 1881 (initial) 1953 (relocation)

Primary Theme Railroad, settlement, economic base

Historical Importance The original roadbed of the Atchison Topeka and Santa Fe Railrod. The railroad figured heavily in the development of the Antelope Valley, and was the initial reason for the existence of the townsites on EAFB property

KE-1184


2454 III
(CASTLE BUTTE)
Test Track
North Base
Stack
Control Tower
BM 2482
Tank
National Advisory Committee
for Aeronautics
BM
2370
Tank
AVENUE
BM 27
2344
MOJAVE
BLVD
Desert
High Sch
Wherry
Housing
(Edwards PO)
FITZGERALD
BLVD
BM 2322
Edwards
Air Force Base
Control Tower
West
Hills
Tanks
BM
2294
South Base
(Edwards AFB PO)
Control Tower
(BM 2281)
Muroc
BOULEVARD
ROSAMOND
BM 2318
BM
2323
HOSPITAL
ROAD
A I R
F O R C E
R O G E R S
L A K E

ARCHAEOLOGICAL SITE SURVEY RECORD

1. SITE NUMBER: Ker-56CH
1A. OTHER DESIGNATION: EFB-62

2. UTM
A ZONE EASTING NORTHING
B ZONE EASTING NORTHING
C ZONE EASTING NORTHING
D ZONE EASTING NORTHING

3. MAP (USGS Quad): Edwards 7.5 1973 (Fluhr 7,5' 1947) Mojave 7.5', Bissell 7.5', Muroc 7.5.

4. TOWNSHIP RANGE : 1/4 OF Rich 7.5 1/4 OF SECTION Plano 7.5'

5. ~~LATITUDE~~ Kramer 15' Rogers Lake 15' N ~~LONGITUDE~~ Mojave 15', Rosamond 15' W

6. LOCATION
Begins at Mojave and runs southeast into EAFB to Muroc (now gone) and then northeas to Boron - most of the route is unused and has no tracks.

7. CONTOUR ELEVATION

8. OWNER: US Air Force

9. ADDRESS: Edwards AFB, CA

10. TENANT: Same

11. ATTITUDE: very good

12. OTHER INFORMANTS

13. SITE DESCRIPTION
Old railroad bed and associated trash along the bed. The bed is distinguished by the reddish rhyobite used to build it. The bed is gone in several instances and across the lake bed.

14. AREA: about 30 miles long

15. DEPTH: surface

16. VEGETATION: various

17. SITE SOIL: various

18. SURROUNDING SOIL: various

19. WATER: various

20. PREVIOUS EXCAVATIONS: none known

21. DESTRUCTION POSSIBILITY AND DAMAGE: some damage

22. FEATURES (House pits, Burials, etc)
some work camps - stations - water stops probably associated - will be recorded separately

23. ARTIFACTS

24. REMARKS (Use Reverse If Needed)

25. MUSEUM ACCESSION NUMBER

26. SKETCH MAP

27. PHOTOGRAPHS

28. OTHER RECORDS

29. DATE: 4-26-77

30. RECORDED BY: Sutton/Tremblay

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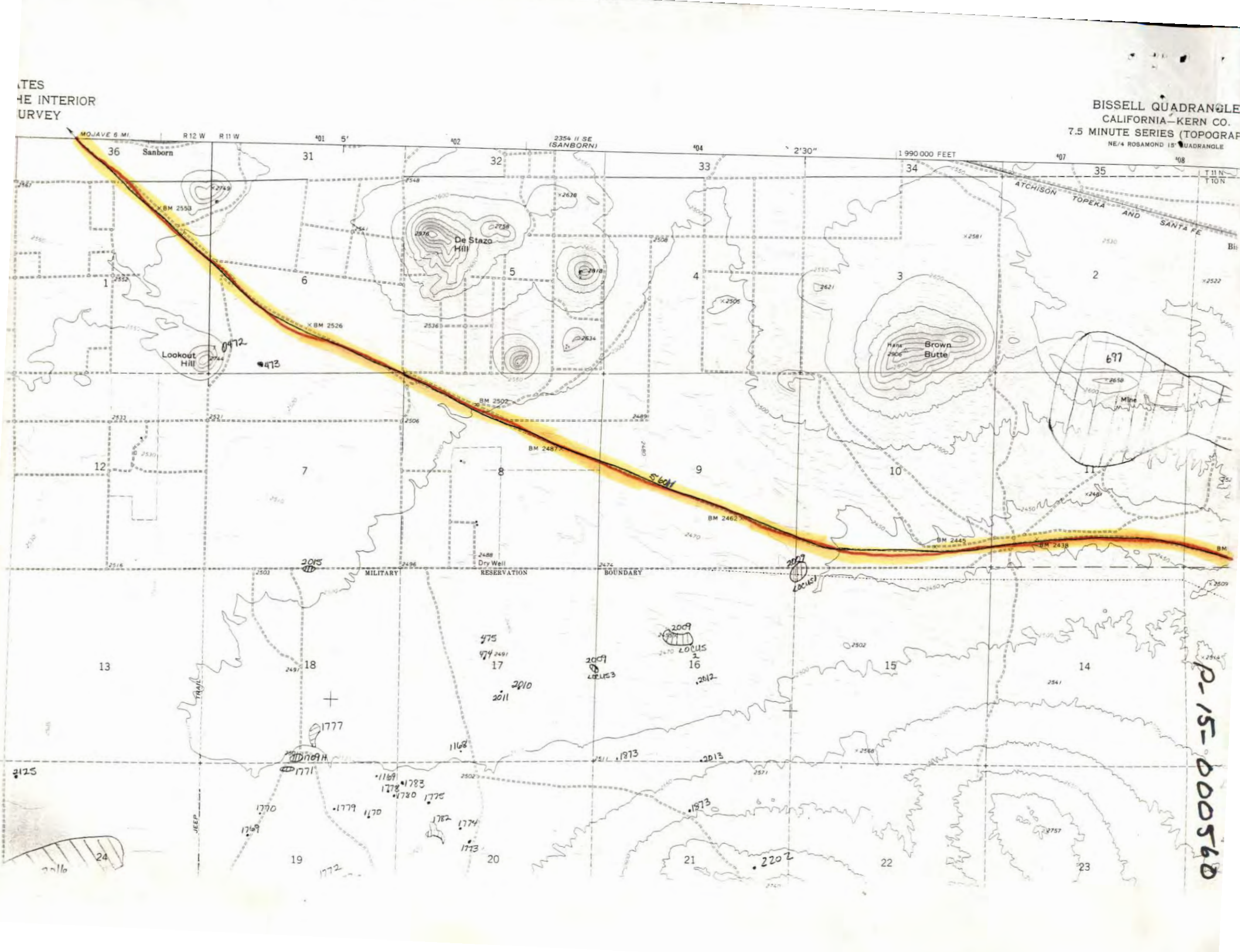
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URVEY
BISSELL QUADRANGLE
CALIFORNIA—KERN CO.
7.5 MINUTE SERIES (TOPOGRAP
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MOJAVE 6 MI.
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R 11 W
2354 II SE
(SANBORN)
2'30"
1 990 000 FEET
T 11 N
T 10 N
Sanborn
De Stazo Hill
Lookout Hill
Brown Butte
Mine
ATCHISON TOPEKA AND SANTA FE
BM 2553
BM 2526
BM 2502
BM 2487
BM 2462
BM 2445
BM 2438
MILITARY RESERVATION BOUNDARY
Dry Well
TRAIL
JEEP
P-15-000560

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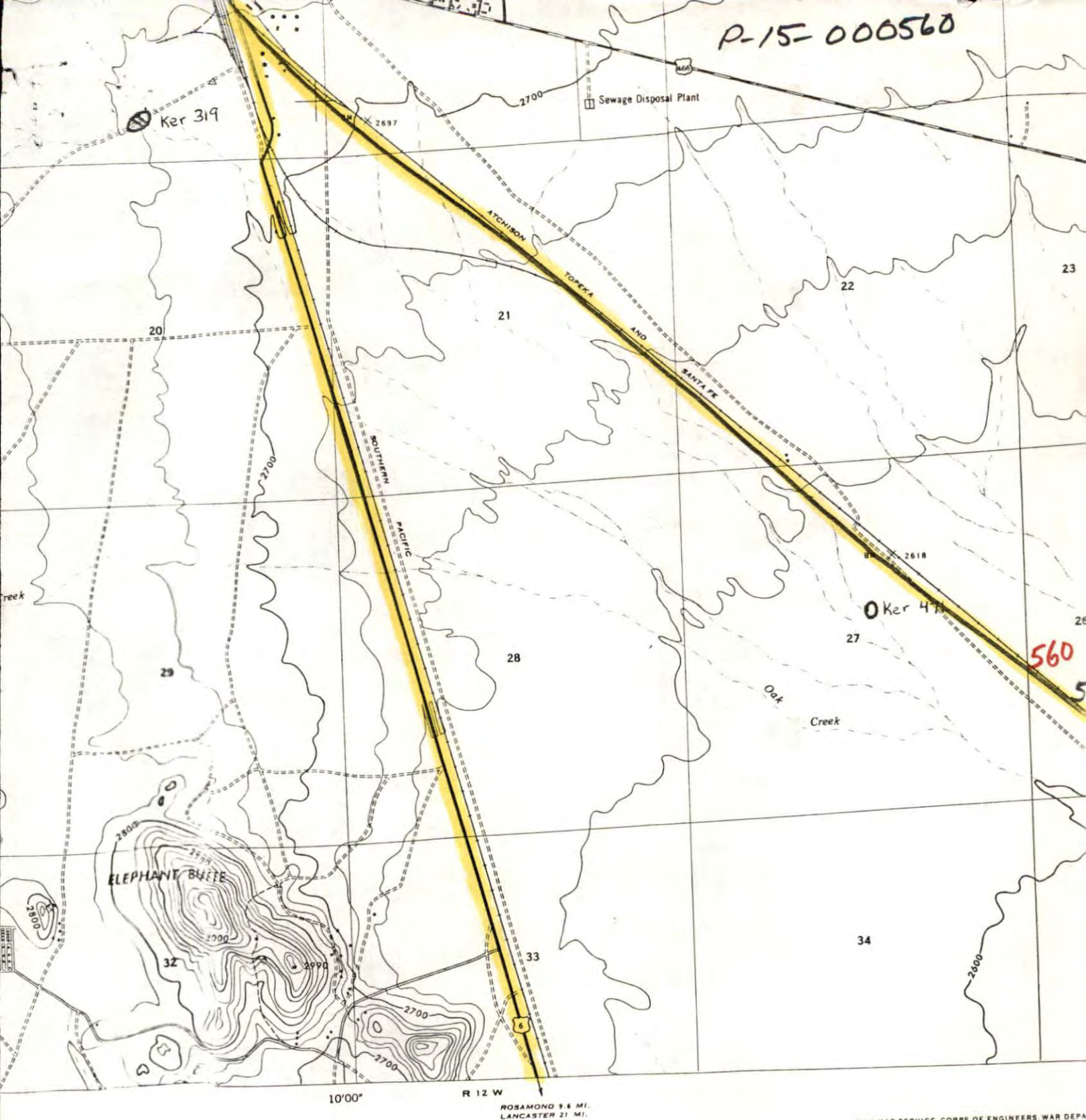


ARMY MAP SERVICE CORPS OF ENGINEERS, WAR DEPA
1947

1 Mile
2000 Meters
2000 Yards

5 FEET
VEL
PROJECTION
ATUM

INDEX TO ADJOINING SHEETS

INDEX TO BOUN

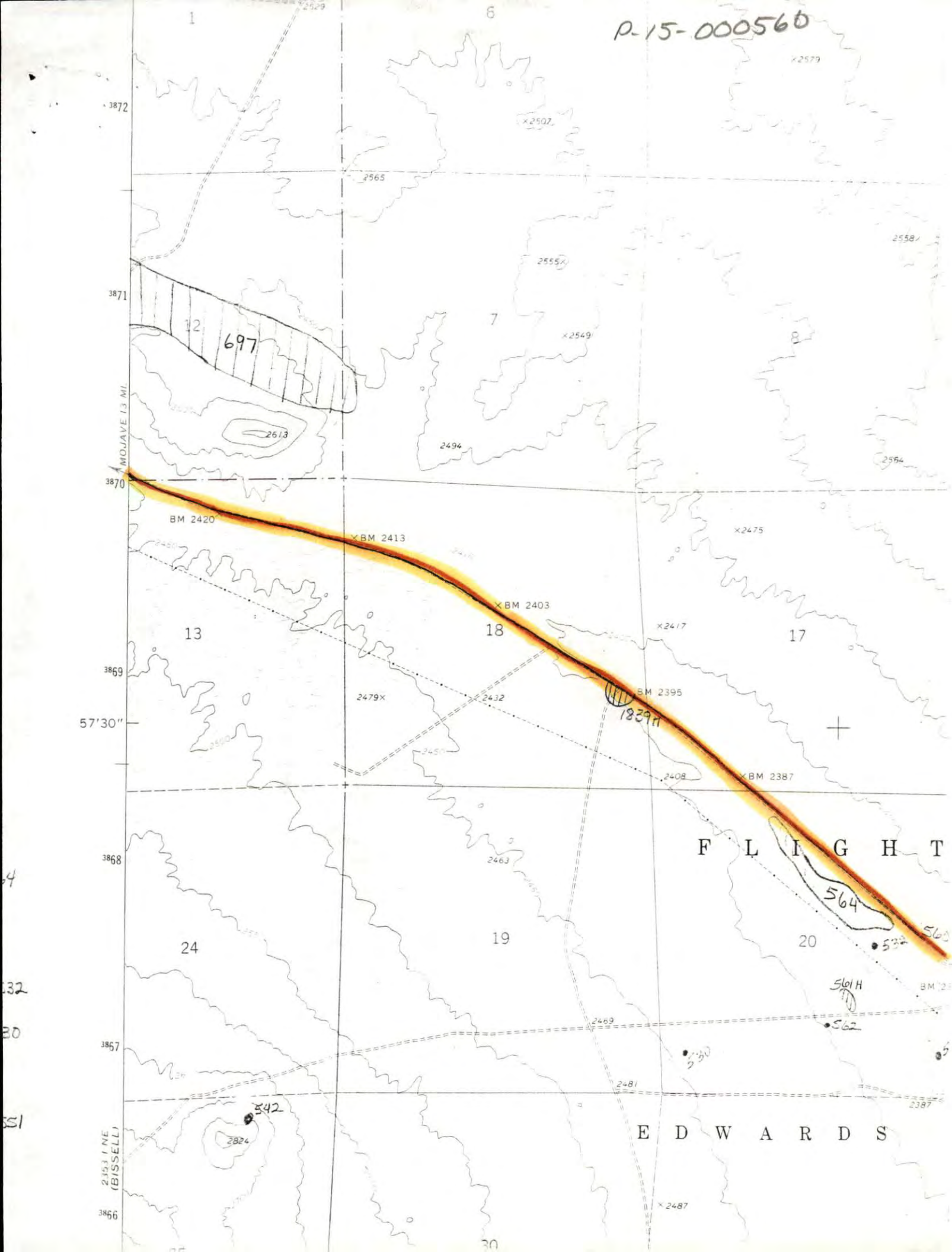
118°22'30" 118°15'00" 118°07'30" 118°00'00"

35°15'00"
35°07'30"
35°00'00"
34°52'30"

2354 III NE	2354 II NW	2354 II NE
2354 III SE	Mojave 2354 II SW	Piano 2354 II SE
2353 IV NE	Soledad Mountain 2353 I NW	Bissell 2353 I NE

Kern County

P-15-000560


MOJAVE 13 MI
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BM 2413
BM 2403
BM 2395
1829 H
BM 2387
697
564
561 H
542
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2494
2549
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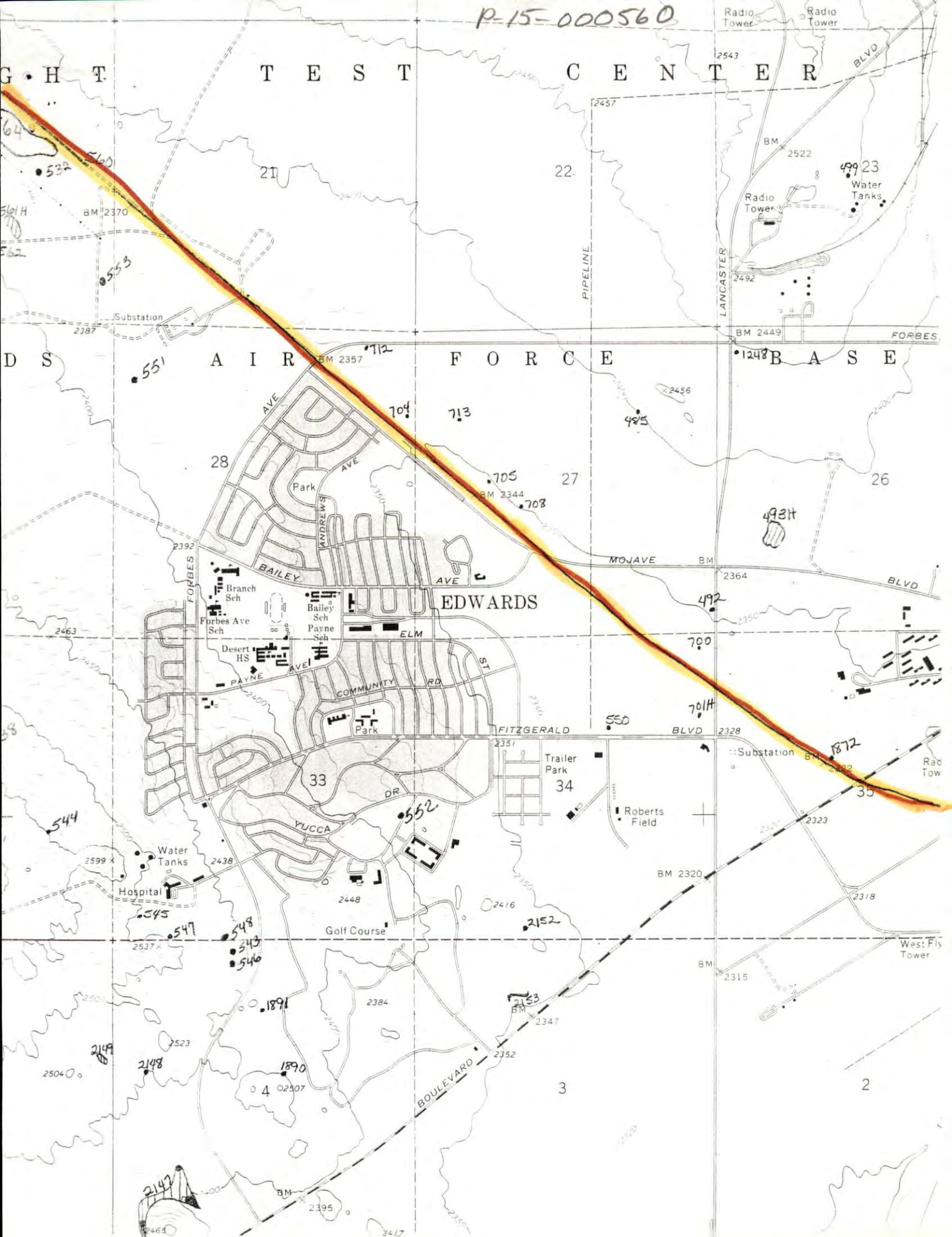
3866
57'30"
F L I G H T
E D W A R D S

P-15-000560


G H T T E S T C E N T E R
D S A I R F O R C E B A S E
EDWARDS
Radio Tower
Radio Tower
BLVD
2543
2457
BM 2522
499
23
Water Tanks
Radio Tower
BM 2370
21
22
PIPELINE
LANCASTER
2492
Substation
2387
BM 2449
FORBES
BM 2357
712
1248
551
704
713
485
2456
28
27
26
Park
ANDREWS
AVE
705
BM 2344
708
493H
2392
FORBES
BAILEY
AVE
MOJAVE
BM
2364
BLVD
Branch Sch
Bailey Sch
Forbes Ave Sch
Payne Sch
Desert HS
ELM
492
700
2463
PAYNE
AVE
COMMUNITY
RD
ST
Park
701H
550
FITZGERALD
BLVD
2328
2351
Trailer Park
::Substation
BM
1872
33
34
35
DR
552
Roberts Field
544
YUCCA
2323
Water Tanks
2599
2438
BM 2320
Hospital
2318
2448
2416
2152
545
547
548
543
546
Golf Course
2537
West Fly Tower
BM
2315
1891
2384
153
BM
2347
2149
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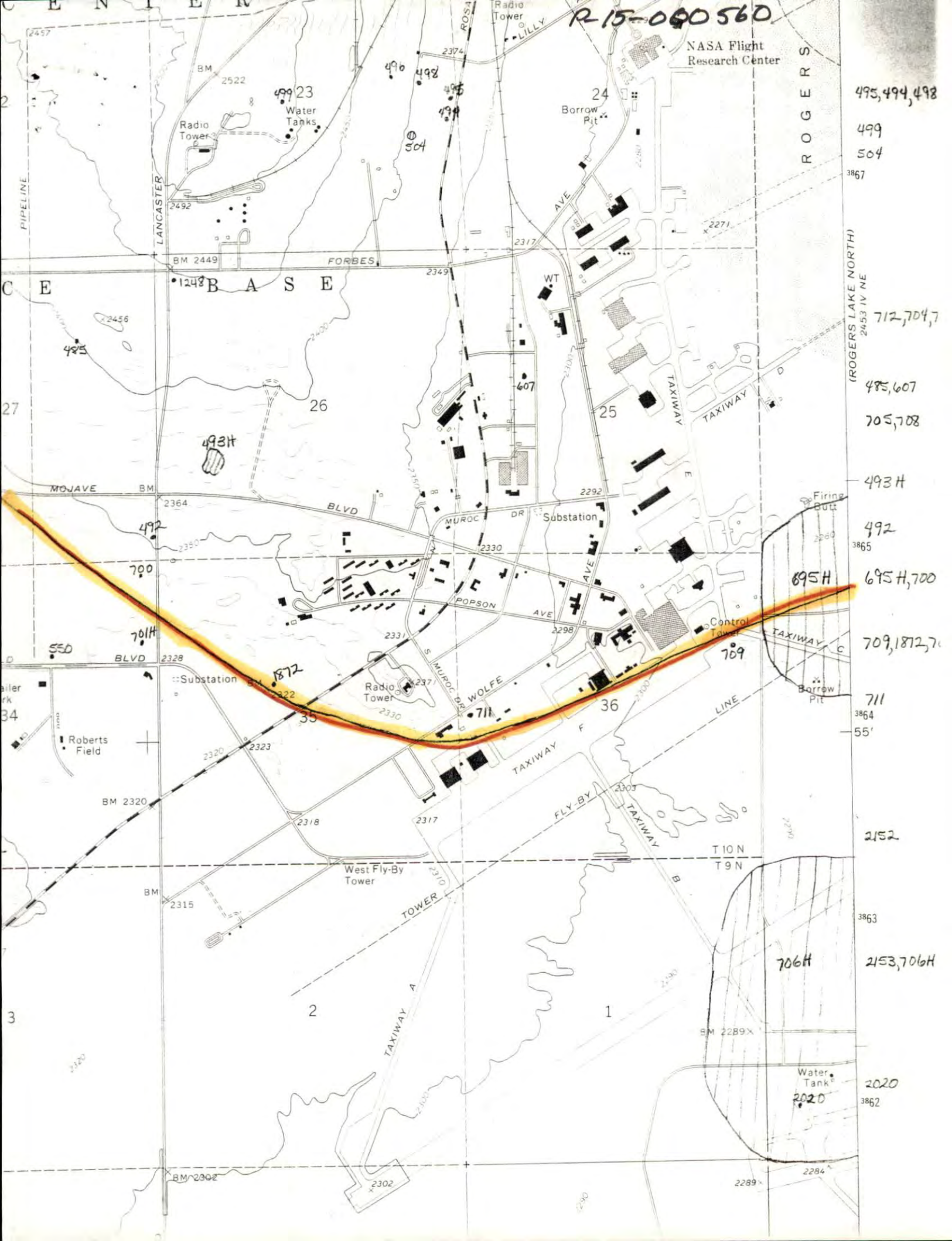
2147
BM
2395
2465
3417


R15-090560
NASA Flight Research Center
Radio Tower
Water Tanks
Borrow Pit
Radio Tower
Substation
Substation
Radio Tower
Firing Butt
Borrow Pit
Control Tower
West Fly-By Tower
Water Tank
Roberts Field
BASE
CENTER
ROGERS
PIPELINE
LANCASTER
ROSAMOND
LILLY
AVE
FORBES
MOJAVE
BLVD
MUROC DR
POPSON AVE
WOLFE
S MUROC DR
TAXIWAY A
TAXIWAY B
TAXIWAY C
TAXIWAY D
TAXIWAY E
TAXIWAY F
FLY-BY
LINE
TOWER
(ROGERS LAKE NORTH)
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T 10 N
T 9 N
BM 2449
BM 2522
BM 2320
BM 2315
BM 2302
BM 2289
WT
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493H
695H
701H
706H
711
712,704,7
485,607
705,708
709,1872,7
2153,706H
2020
495,494,498
499
504
492
700
550
1872
709
485
607
1248
2152
2020

P-15-003291

ARCHAEOLOGICAL SITE RECORD
Cultural Resource Facility
California State University
9001 Stockdale Highway
Bakersfield, California 93311-1099

Permanent Trinomial: CA-KER-3291H
Temporary Designation: AH 2

1. **County:** Kern
2. **USGS Quad:** Oildale, CA 7.5' **dated** 1954 photoinspected 1973
3. **UTM Coordinates: Zone 11:** 310250 **mE** 3917450 **mN**
4. **Twp.** 29 S. **Rng.** 27 E., **MDBM**, S 1/2 SW 1/4 SW 1/4 **Section** 21
5. **Map Coordinates:** 53.5 **mmS** 13.5 **mmE** **6. Elevation:** 385 ft. (117 m.)
7. **Location:** The site is located in the southern San Joaquin Valley, approximately 2 1/2 miles west of the Kern River Bed. It is located about 3 miles west of downtown Bakersfield along the northern side of Rosedale Highway approximately 600-700 feet (183-213 m.) east of the intersection of Coffee Road and Rosedale Highway. It lies in a flat open field that is located between the Friant-Kern Canal to the west, and the Calloway Canal to the east, and the field is about 6 feet (1.8 m.) lower than the surface of Rosedale Highway.

8. **Prehistoric:** **Historic:** XX **Protohistoric:**
9. **Site Description:** The site is located in a disturbed fallow agricultural field. The site area is clear, but the back portion of the field has been used as a place to dump fill material, rubble, and some trash. The site consists of a small historic glass scatter, with one ceramic fragment. Just east of the site is a portion of an old barbed wire fence.

10. **Area:** 3 **m.(W/E) x** 4 **m.(N/S); Method of Determination:** Estimate
11. **Depth:** Unknown
12. **Features:** None noted
13. **Artifacts:** Artifacts consisted of one purple glass bottle neck, approximately 10 small fragments of other purple glass, 2 clear glass fragments, and a ceramic fragment. The ceramic fragment appeared to be from a dinner plate with a ridge on the bottom. It was white with no design.

14. **Non-artifactual Constituents:** None observed
15. **Date Recorded:** 7/NOV/1991
16. **Recorder:** Peggy Murphy, Shannon Harris, and Wendy Stevens
17. **Affiliation and Address:** Cultural Resource Facility, Calif. State Univ., Bakersfield
18. **Human Remains:** None observed

Southern San Joaquin Valley
Archaeological Information Center
9001 Stockdale Highway
Bakersfield, CA 93311-1099

P-15-003291

ARCHAEOLOGICAL SITE RECORD (CONTINUED)

Permanent Trinomial: CA-KER-3291H
Temporary Designation: AH 2

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19. **Site Integrity:** The site is in a vulnerable position considering the dumping in the area, the construction of a parking lot just west of the site, and vehicle traffic near the site.

20. **Nearest Water:** The Friant-Kern Canal is located just to the west, the Calloway Canal just to the east, and the Kern River bed is approximately 2 1/2 miles east.

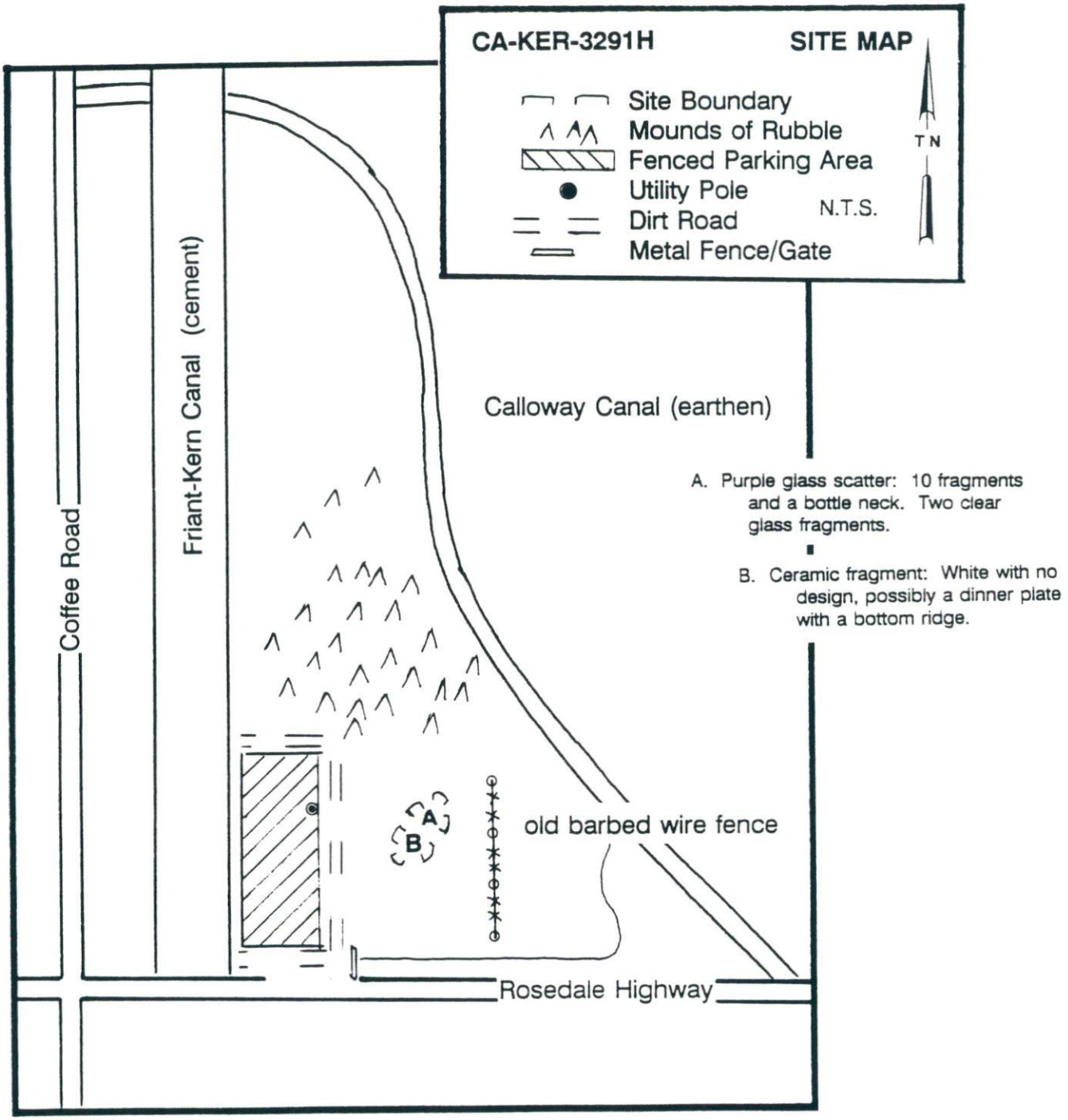
21 **Vegetation Community (site vicinity)**: Valley grassland
22. **Vegetation (on site):** Disturbed grassland consisting mainly of filaree (Erodium sp.), grasses (Bromus sp.), foxtail (Hordeum glaucum), jimson weed (Datura meteloides), fiddleneck (Amsinckia intermedia), mustard (Brassica sp.), and tumbleweed or Russian thistle (Salsola Kali)

23 **Soil:** Sandy loam
24. **Surrounding Soil:** Same
25. **Geology:** Granitic alluvium
26. **Landform:** Valley floor
27. **Slope:** < 2%
28. **Exposure:** Open
29. **Landowner and Address:** Unknown
30. **Remarks:** None
31. **References:** None
32. **Name of Project:** CalTrans Highway 58 Westside Corridor Project, CRF 91-39
33. **Type of Investigation:** Surface survey
34. **Site Accession Number:** Nothing collected **Stored at:** N/A
35. **Photos:** Black/White Prints
36. **Photo Accession #.:** CRF 91-39
37. **Taken By:** Valdez and Garcia
38. **Stored at:** CSUB

P-15-003291

ARCHAEOLOGICAL SITE MAP

Permanent Trinomial: CA-KER-3291H
Temporary Designation: AH 2



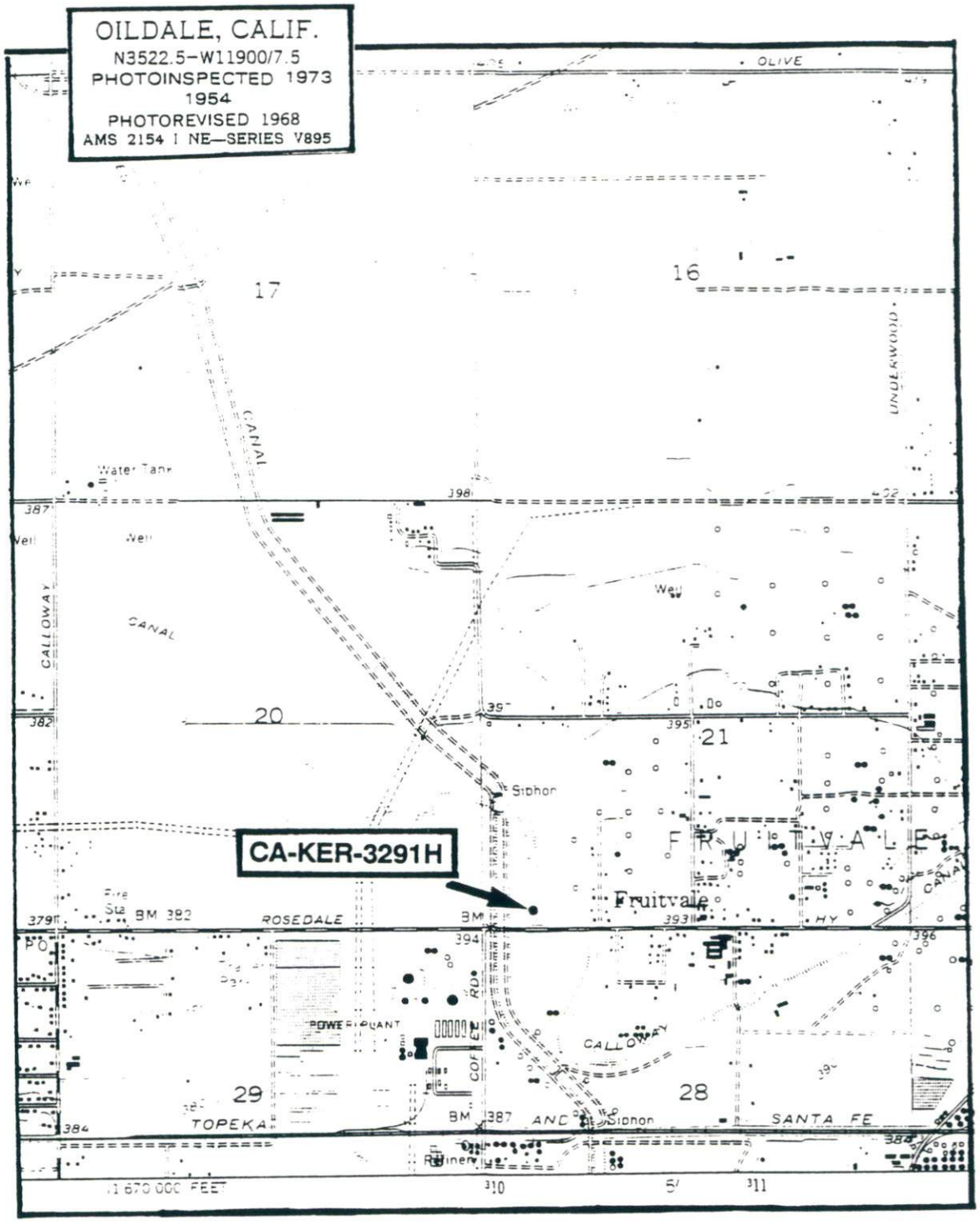
A. Purple glass scatter: 10 fragments and a bottle neck. Two clear glass fragments.

B. Ceramic fragment: White with no design, possibly a dinner plate with a bottom ridge.

P-15-003291

ARCHAEOLOGICAL SITE LOCATION MAP

Permanent Trinomial: CA-KER-3291H
Temporary Site No.: AH 2
USGS Map: Oildale, CA 7.5' 1973



P-15-003291

ARTIFACT ILLUSTRATION

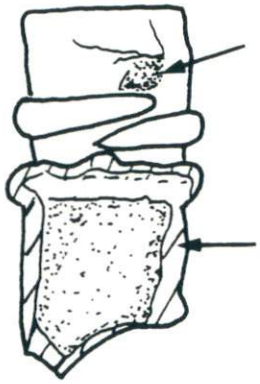
Permanent Trinomial: CA-KER-3291H

ARTIFACE A

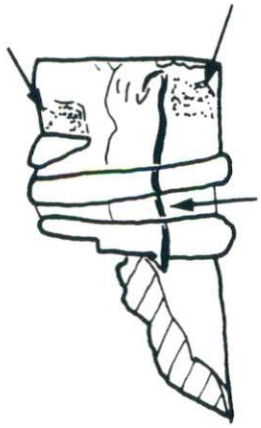
Purple Glass Bottle Neck



Lip: irregular in width. Irregularities in glass apparently from hand finishing



irregualr indentation in glass



P-15-003291

ARCHAEOLOGICAL PHOTOGRAPHIC RECORD

Permanent Trinomial: CA-KER-3291H
Temporary Site No.: AH-2

Camera and Lens Types: Pentax-Telephoto (Camera 1 Roll 1)	On File at: Cultural Resource Facility, CSUB
Film Type and Speed: 35 mm, 100 ASA, 36 exposure	Accession Number: CRF 91-39

Date	Frame	Subject/Description	View/Direction
7/29/92	13	View of site from Rosedale Highway	north
7/29/92	14	View of site from Rosedale Highway	northwest

Camera and Lens Types: Pentax-Regular (Camera 2 Roll 2)	On File at: Cultural Resource Facility, CSUB
Film Type and Speed: 35 mm, 100 ASA, 36 exposure	Accession Number: CRF 91-39

Date	Frame	Subject/Description	View/Direction
7/29/92	1	View of site looking toward Rosedale Highway	south
7/29/92	2	Overview of site looking toward fence line	east

P-15-003291

AMENDED ARCHAEOLOGICAL PHOTOGRAPHIC RECORD

Permanent Trinomial: CA-KER-3291H
Temporary Site No.: AH-2

Camera 1, Roll 1 **Lens Type:** Albinar-ADG Macro 1:4 80-200mm Zoom	**On File at:** Cultural Resource Facility, CSU, Bakersfield
Film Type and Speed: 35mm B&W prints 100 ASA, 36 exposure	**Accession Number:** CRF 91-39

Date	Frame	Subject/Description	View/Direction
7/29/92	13	View of site from Rosedale Highway	north
7/29/92	14	View of site from Rosedale Highway	northwest

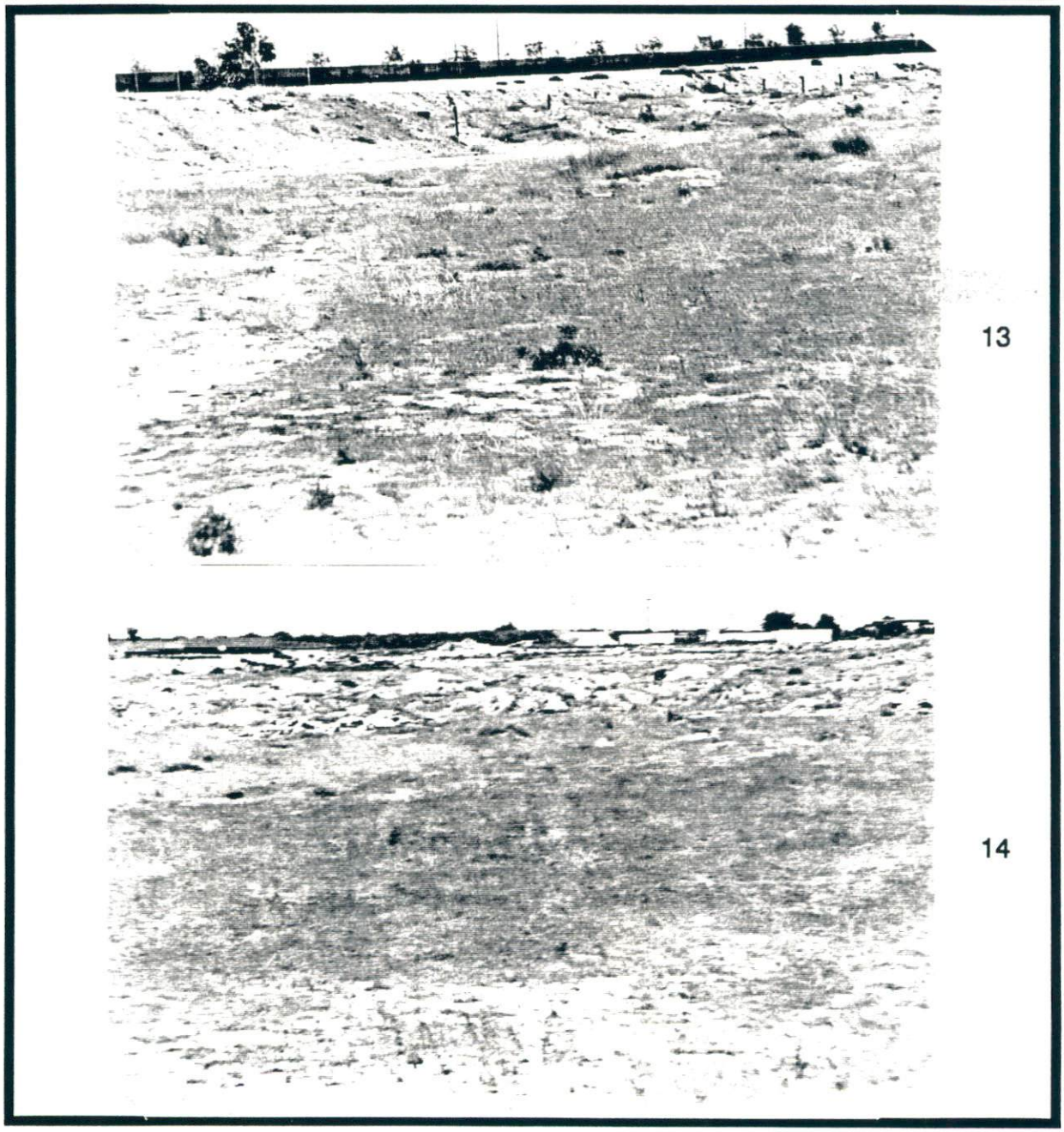
Camera 2, Roll 2 **Lens Type:** SMC Pentax-A 1:2 50mm	**On File at:** Cultural Resource Facility, CSU, Bakersfield
Film Type and Speed: 35mm B&W prints 100 ASA, 36 exposure	**Accession Number:** CRF 91-39

Date	Frame	Subject/Description	View/Direction
7/29/92	1	View of site looking toward Rosedale Highway	south
7/29/92	2	Overview of site looking toward fence line	east

P-15-003291

PHOTOGRAPHIC RECORD

Permanent Trinomial: CA-KER-3291H
Temporary Site No.: AH 2



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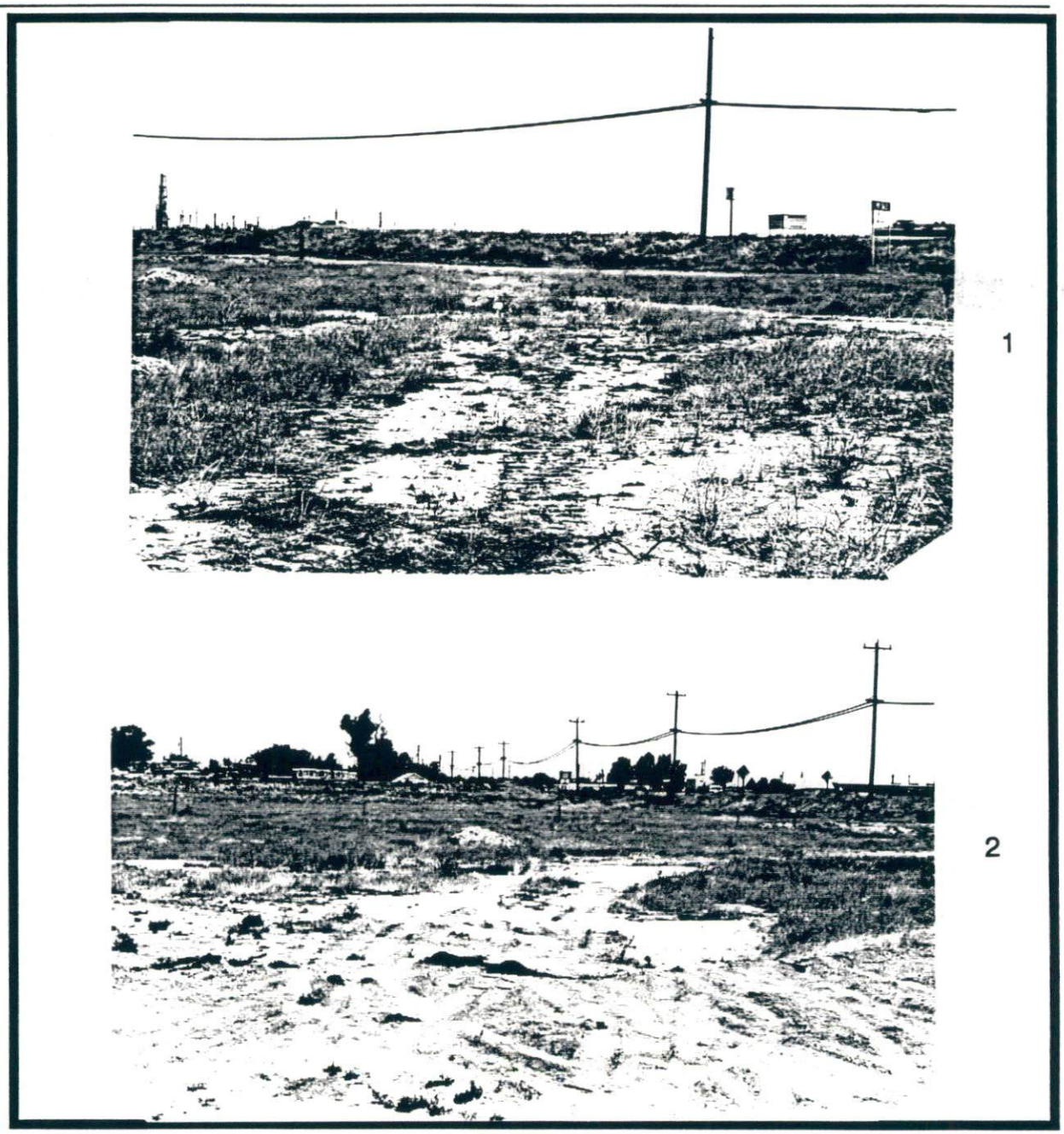
14

P-15-003291

PHOTOGRAPHIC RECORD

Permanent Trinomial: CA-KER-3291H
Temporary Site No.: AH 2



1

2

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # P-15-007233
HRI #
Trinomial CA-KER-8810H
NRHP Status Code 6C

Other Listings
Review Code _____ Reviewer _____ Date _____

 Resource Name or #: Calloway Canal (P-15-007233)

P1. Other Identifier:

P2. Location: ■ **Not for Publication** ☐ **Unrestricted**

- **a. County:** Kern
- **b. USGS 7.5' Quad:** Wasco **Date:** 1970 **T**27S; **R**25E; NE¼ **of** NE¼ **of** Sec 28 ; M.D.B.M.
- **c. Address**:
- **d. UTM**: **Zone** 11N**,** 293284**mE /** 3937087**mN** *All GPS data collected with Trimble GEOXH 2005 Series in NAD 83.*
- **e. Other Locational Data**:
  At intersection of Kimberlina Rd. and Shafter. Rd. head west for approximately 300 ft. The resource is located on the south side of Kimberlina Rd.

P3a. Description:
The Calloway Canal is an irrigation ditch constructed in the 1870s. The recorded segment has existed in its current path since at least 1930. The segment has a general north-south orientation and measures 3,270-ft by 112-ft by 8-ft deep. No associated historic refuse was seen in or around the canal. The east and west edges of canal are buffered by raised and graded dirt access roads that measure 23-ft wide by 2-ft in height. The segment is unlined and was carrying water at the time of the recordation. This resource has been deemed not eligible for the NRHP and lacks research value. The canal segment is in good condition. In 2008, the CA SHPO determined the resource not eligible for the NRHP or CRHR.

P3b. Resource Attributes: HP20. Canal

P4. Resources Present: ☐ Building ■ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5a. Photograph or Drawing: 0007.jpg



P5b. Description of Photo:
N overview of canal.

P6. Date Constructed/Age and Source:
■ Historic ☐ Prehistoric ☐ Both
1875, archival research

P7. Owner and Address:
Shafter-Wasco Irrigation District
16294 Central Valley Hwy,
Wasco, CA 93280

P8. Recorded by:
ASM Affiliates, Inc.
20424 West Valley Blvd, Suite A
Tehachapi, CA 93561

P9. Date Recorded:
02/05/2016

P10. Survey Type:
Class III Inventory

P11. Report Citation: Class III Inventory/Phase I Survey, Shafter-Wasco Irrigation District Recharge Project, Kern County, California

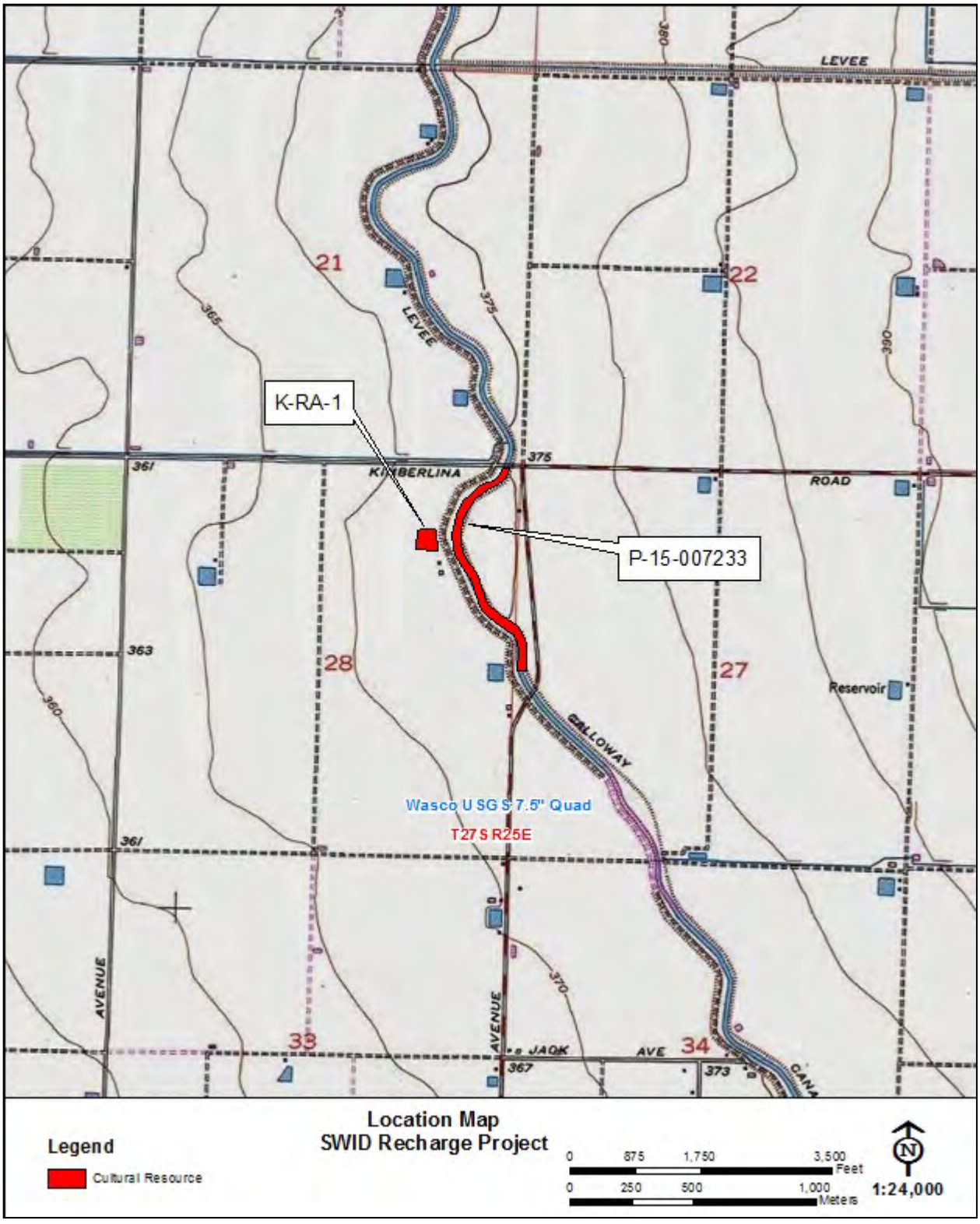
Attachments: ☐ NONE ■ Location Map ■Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

Primary # P-15-007233
HRI # CA-KER-8810H
Trinomial

Map Name: Wasco
Scale: 1:24,000
Resource Name or #: Calloway Canal
Date of map: 1970



State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

SKETCH MAP

Primary # P-15-007233
HRI #
Trinomial CA-KER-8810H

Drawn by: Peter Carey

Resource Name or #: Calloway Canal
Date of map: 2016



Supplement

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
UPDATE SHEET

Primary # P-15-007233
HRI #
Trinomial
NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) Map Reference No. 9
☐ Continuation ☒ Update

P1. Other Identifier: Calloway Canal

*P2. e. Other Locational Data: This segment of the Calloway Canal runs from the Kern River in a generally westerly-southwesterly direction, crossing Rosedale Highway (SR 58) at Fruitvale Avenue before changing course and continuing a general northwesterly course, crossing Rosedale Highway again just east of Coffee Road.

***P3a. Description:** This segment of the Calloway Canal has been field checked and appears mostly unaltered since it was last recorded in 1993. There are no known alterations to the canal; however the surrounding setting has become more developed since the last recordation, with more commercial, industrial, and residential development occurring in the previously heavily agricultural area.

***P3b. Resource Attributes:** (HP11) Irrigation Canal

***P8. Recorded by:** Polly S. Allen and Toni Webb, JRP Historical Consulting, LLC, 2850 Spafford Street, Davis, CA 95618

***P11. Report Citation:** JRP Historical Consulting, LLC, "Historical Resources Evaluation Report, Rosedale Highway Widening Project, Kern County, California" (EA 06-OF360)

***B10. Significance:**

Portions of the Calloway Canal were previously inventoried and evaluated in 1993 by JRP Historical Consulting, LLC (JRP) for the 1995 report entitled "Historic Architectural Survey Report, Tier 1, for Route Adoption on Route 58, Between I-5 and State Route 99 in Kern County," (EA 06-315400). JRP found that the Calloway Canal did not appear eligible for the National Register of Historic Place (NRHP), primarily because of a lack of integrity. The property was subsequently determined ineligible for the NRHP (California Historical Resource Status Code 6Y).

This property is being re-evaluated both because of the time passed since the last recordation and because the earlier evaluation considered the property using only the NRHP criteria. After review of the previous recordation and current field check of the portions of the canal in the current study area (see photograph CC1), the 1993 findings still appear to be valid. Furthermore, this property does not appear to meet the criteria for listing in the California Register of Historical Resources, nor does it appear to be an historic resource for the purposes of the California Environmental Quality Act (CEQA). This property has been evaluated in accordance with Section 15064.5(a)(2)-(3) of the CEQA Guidelines, using the criteria outlined in Section 5024.1 of the California Public Resources Code.

***B14. Evaluator:** Polly S. Allen

***Date of Evaluation:** October 2009

Supplement

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
UPDATE SHEET

Primary # _____
HRI # _____
Trinomial _____
NRHP Status Code 6Z

*Resource Name or # (Assigned by recorder) Map Reference No. 9
☐ Continuation ☒ Update

Photographs (continued):



Photograph 1: Calloway Canal (CC1), camera facing southeast, August 2008.

Sketch Map:



*Required Information

CANAL FEATURE INVENTORY FORM

Supplement

Developed by JRP Historical Consulting Services

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-1
PHOTO DATE: August 16, 1993

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-1 is located south of where Seventh Standard Road crosses the Calloway Canal.

3. **Other locations for recording this feature:** CC-2, CC-3, CC-4, CC-5

4. **Structures at or near this location:** A two-line oil pipeline crosses the canal at this location.

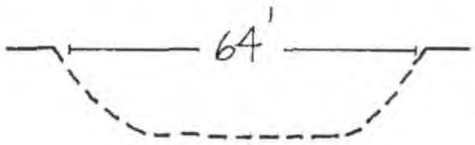
5. **Setting at this location:** Agricultural and oil production dominate the area. A hay field is located to the west, and an alfalfa field lies to the east. Oil tanks are situated to the west of the canal.

6. **Integrity considerations for this feature:** The canal in this section is earth lined; the oil pipeline is an intrusive element.

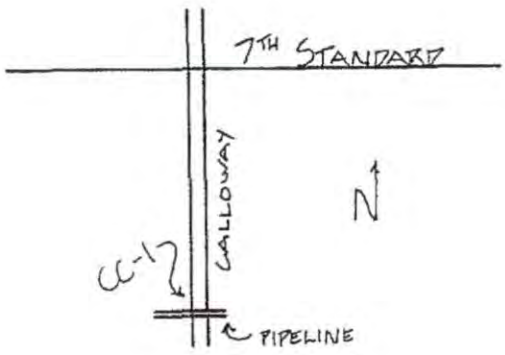
7. **Attributes at this location (measurements in feet):**

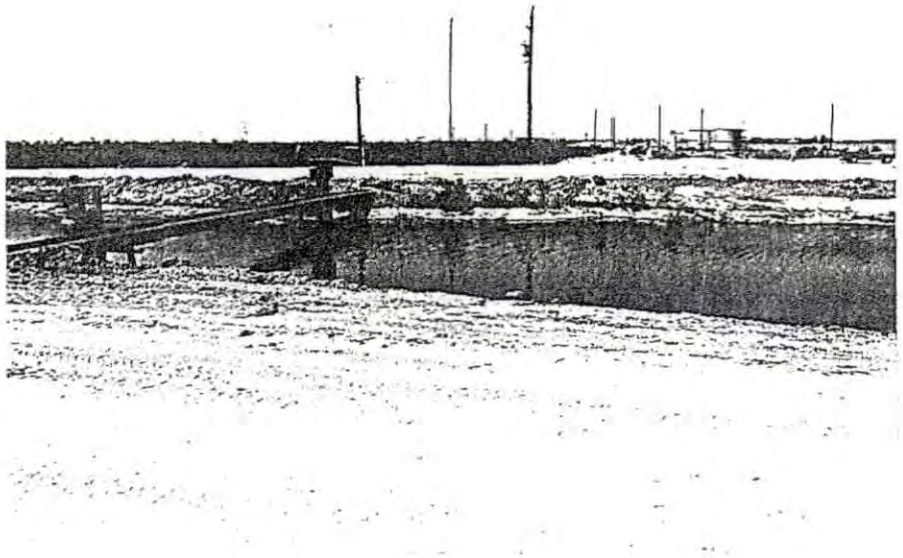
Top width: 64
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





CANAL FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

Supplement

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-2
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-2 is located where the Hageman Alignment crosses the Calloway Canal between Coffee Road and Riverlakes Road.

3. **Other locations for recording this feature:** CC-1, CC-3, CC-4, CC-5,

4. **Structures at or near this location:** There are no structures at this location.

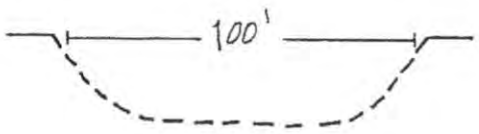
5. **Setting at this location:** Grading for a new subdivision is going on to the west of the canal. To the east of the canal is an orchard and a new school.

6. **Integrity considerations for this feature:** This section of the canal has been realigned.

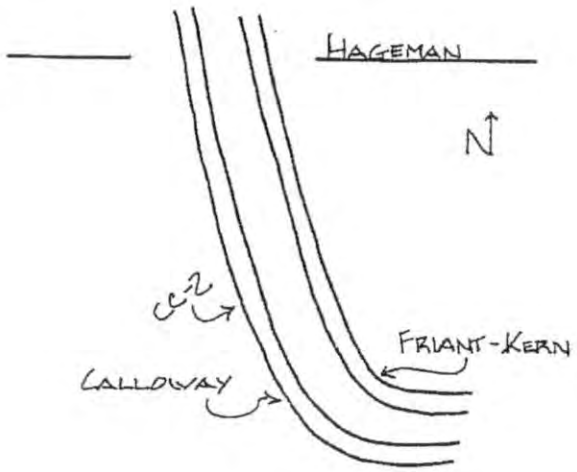
7. **Attributes at this location (measurements in feet):**

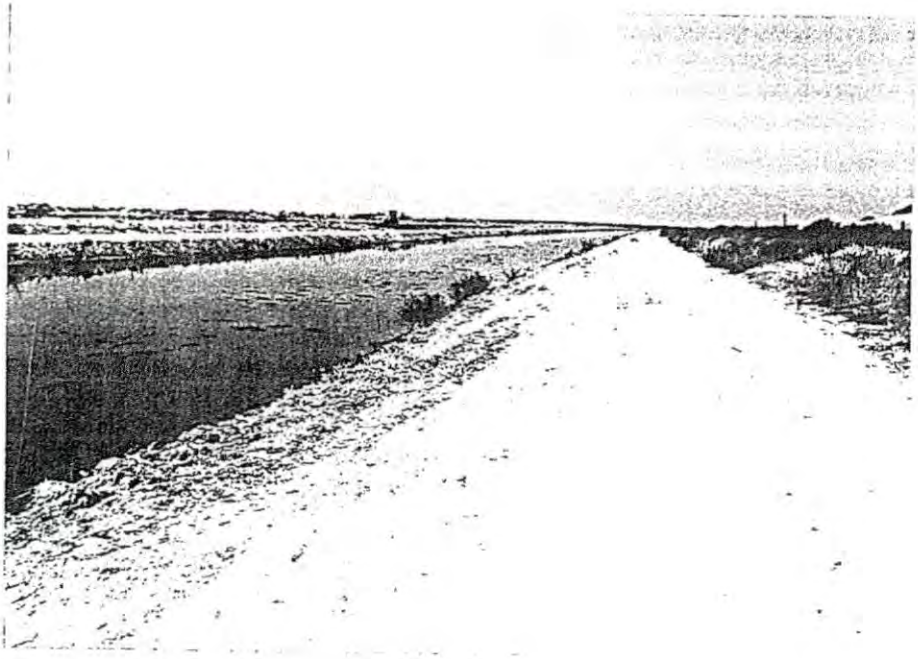
Top width: Approximately 100
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





CANAL FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

Supplement

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-3
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-3 is located east of Coffee Road, west of Henry Lane, and north of where the Calloway Canal intersects Highway 58.

3. **Other locations for recording this feature:** CC-1, CC-2, CC-4, CC-5

4. **Structures at or near this location:** The canal is contained within embankments, and the water level in the canal is higher than the surrounding ground.

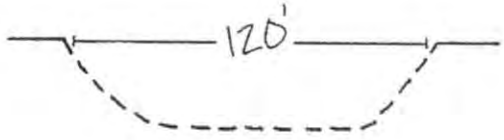
5. **Setting at this location:** The area around the canal is open to the west; to the east is an industrial area.

6. **Integrity considerations for this feature:** The portion of canal west of Coffee was relocated as part of the subdivision construction. This segment is in its original position.

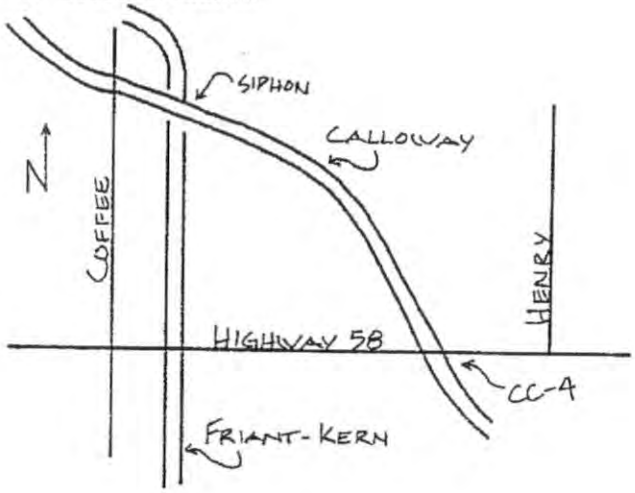
7. **Attributes at this location (measurements in feet):**

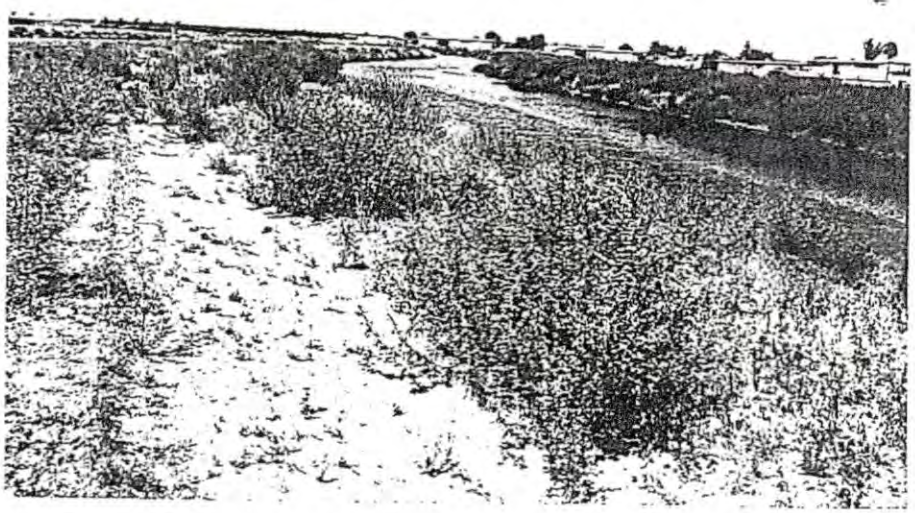
Top width: Approximately 120 (measured at Highway 58)
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





CANAL FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

Supplement

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-4
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-4 is situated east of Fruitvale Avenue and north of Highway 58.

3. **Other locations for recording this feature:** CC-1, CC-2, CC-3, CC-5

4. **Structures at or near this location:** There are no structures at this location.

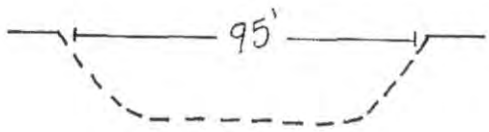
5. **Setting at this location:** An open field lies to the east of an industrial/commercial area located on the west side of Fruitvale Avenue.

6. **Integrity considerations for this feature:** The canal does not appear recently maintained; weeds are overgrown on the embankments of the canal. The canal is concrete lined where it passes under the Rosedale Highway (Highway 58).

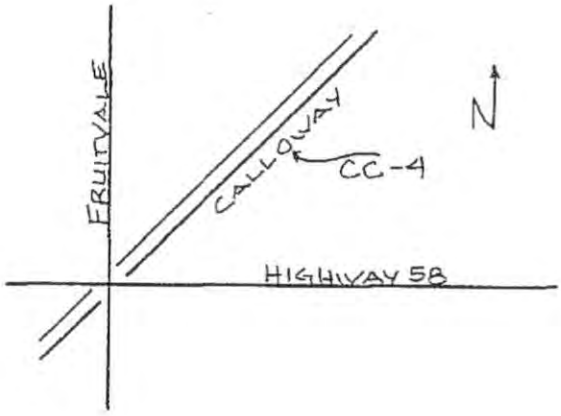
7. **Attributes at this location (measurements in feet):**

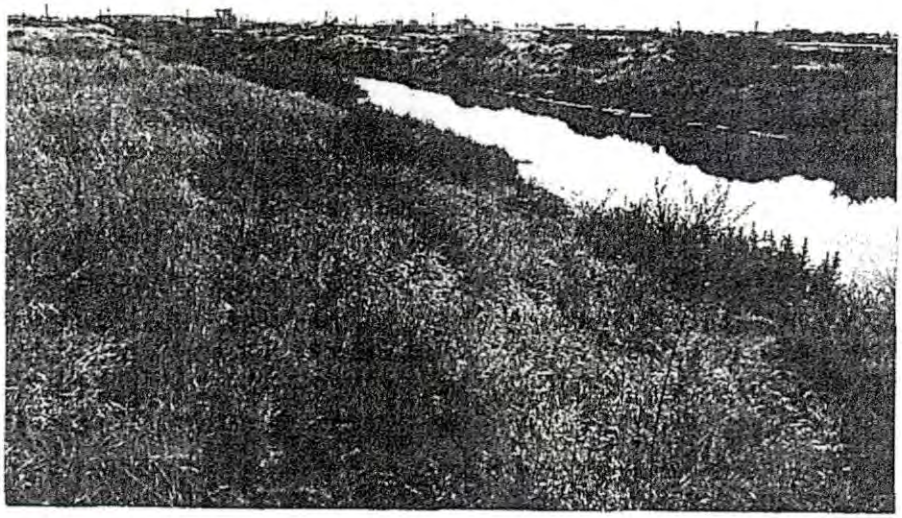
Top width: 95 (measured at Fruitvale Avenue)
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





CANAL FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

Supplement

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-5
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-5 is located where the Calloway Canal crosses Pierce Road south of Rio Mirada Road and east of Highway 99.

3. **Other locations for recording this feature:** CC-1, CC-2, CC-3, CC-4,

4. **Structures at or near this location:** There are no structures related to the canal.

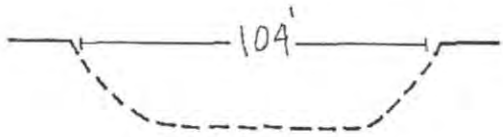
5. **Setting at this location:** A motel and commercial buildings are located north and south of the canal. To the west is Highway 99, which crosses the canal on a modern concrete overpass. Pierce Road crosses the canal on a modern concrete bridge.

6. **Integrity considerations for this feature:** Modern concrete bridges carry Highway 99 and Pierce Road over the canal, and its original setting has been compromised.

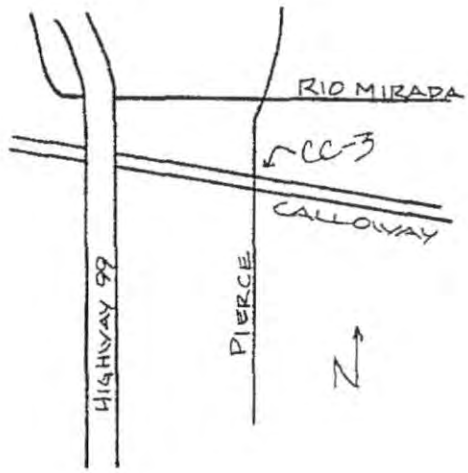
7. **Attributes at this location (measurements in feet):**

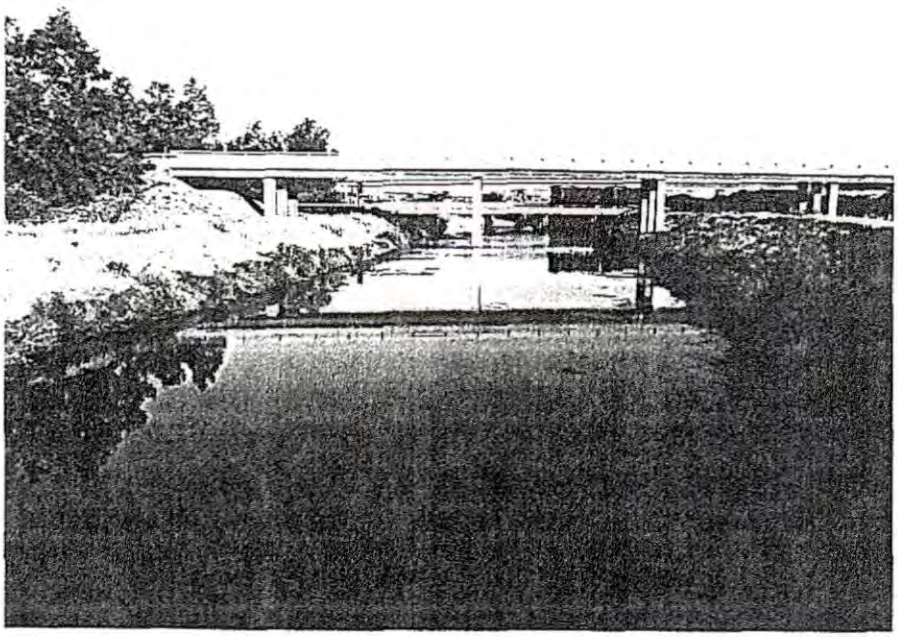
Top width: 104
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.

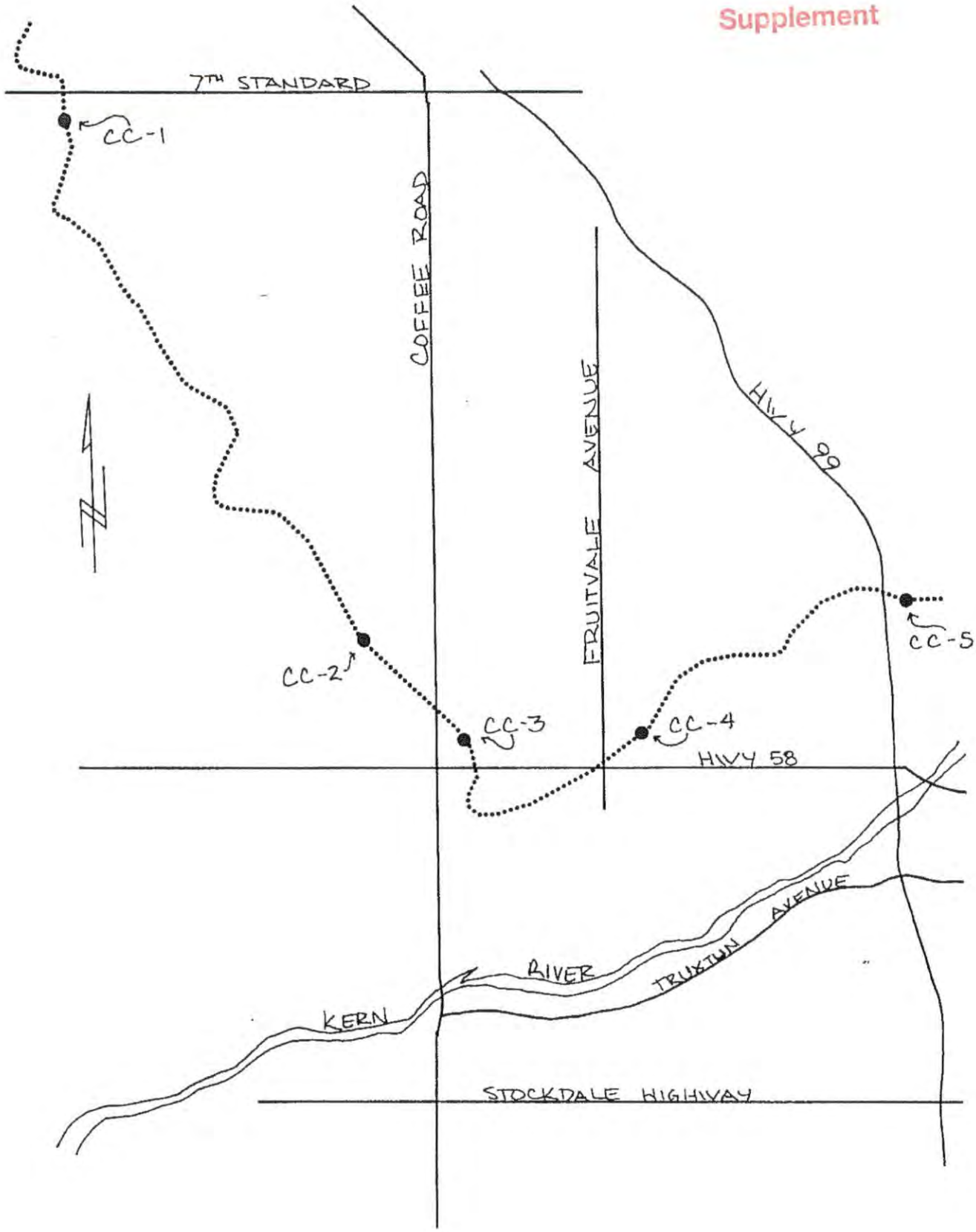


9. **Location sketch:**





Supplement



06-Ker-58-R35.4/R52.3
Contract No. 06G171

Figure 9: Calloway Canal
Recordation points CC-1 through CC-5

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # P-15-007233
HRI #
Trinomial CA-KER-8810H
NRHP Status Code 6Y
Other Listings
Review Code _____ Reviewer _____ Date _____

*Resource Name or #: Calloway Canal (UPDATE)

P1. Other Identifier: JKE-022

UPDATE

*P2. Location: ☐ Not for Publication ☑ Unrestricted *a. County: Kern

*b. USGS Quad: Wasco (1953; photorevised 1968, photoinspected 1973); T27S R25E, Sec. 10; MDBM

c. Address:

d. UTM: Zone 11; 295146 mE/ 3941951 mN NAD27 datum

e. Other Locational Data:

The resource is located east of the town of Wasco on both sides of State Route (SR) 46 between GIS-based post miles 54.89 and 54.94. It is partially within the highway right-of-way and one meter from the edge-of-pavement. From the intersection with SR 43 in Wasco, proceed 3.7 miles east on SR 46 to the "BR 50 26" bridge sign (segment datum). The resource is located one meter west of the datum.

*P3a. Description:

This is a segment of the Calloway Canal where it intersects SR 46. The canal draws water from the Kern River north of Bakersfield and meanders in a roughly northwesterly direction to the McFarland area. The San Francisco-based Irrigating Canal Company began building the canal under the direction of engineer O.P. Calloway in 1875 to irrigate land north of the Kern River (Weekly Courier 1875). The canal was taken over by the Kern County Land and Water Company in 1877, which expanded it over the next two years from the initial seven miles to its current length of approximately 30 miles (Pisani 1984: 199). When the Kern River Water Storage District formed in 1923, it incorporated the Calloway Canal into its holdings (Adams 1929: 384). It has since become part of the North Kern Water Storage District. Since its original construction, the canal's headgates and weirs have been reconstructed multiple times (Grunsky 1898; Kelly 1935). The Calloway Canal was previously recorded at other locations in 1993, 1996 and 1997 and has been determined ineligible for the National Register of Historic Places (JRP 1993; OHP 2008). See Linear Feature Record for a description of the resource. (See also Continuation Sheet)

*P3b. Resource Attributes: HP20 (Canal)

*P4. Resources Present: ☐ Building ☑ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)



*P5b. Description of Photo:
Photograph 1. JKE-022, 02, N -- 9913; facing north, canal with SR 46 in foreground.

*P6. Date Constructed/Age & Sources:
☑ Historic ☐ Prehistoric ☐ Both
1875 (Grunsky 1898)

*P7. Owner and Address:
North Kern Water Storage District,
33380 Cawelo Avenue
Bakersfield, Ca 93308

*P8. Recorded by:
Steven J. Melvin and Rebecca Flores, JRP Historical Consulting, LLC, 1490 Drew Ave, Suite 110, Davis, CA 95618

*P9. Date Recorded: 5/11/2009

*P10. Survey Type:
Reconnaissance

*P11. Citation: Leach-Palm et al. 2010. Cultural Resources Inventory of Caltrans District 6 Rural Conventional Highways in Fresno, Kern, Kings, Madera, and Tulare Counties. Submitted to Caltrans District 6, Fresno, CA.

*Attachments: ☐ None ☑ Location Map ☑ Sketch Map ☑ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☑ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other:

*Required Information

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LINEAR FEATURE RECORD

Primary # P-15-007233
HRI #
Trinomial CA-KER-8810H

*Resource Name or #: Calloway Canal (UPDATE)

L1. Historic and/or Common Name: Calloway Canal

L2a. Portion Described: ☐ Entire Resource ☑ Segment ☐ Point Observation **Designation:**

L2b. Location of Point or Segment:

The canal is located between GIS-based post miles 54.89 and 54.94 on SR 46. UPDATE

Segment UTMs: 294994mE/ 3942078mN to 295057mE/ 3942181mN

L3. Description:

This resource is an unlined canal with moderately sloping sides. Access roads run along both sides of the canal with the road on the east bank, south of the highway, paved with asphalt. The roads are on berms built about four feet above the adjacent fields. A small distribution canal runs parallel to the Calloway Canal on the west. During the time of the survey the canal was carrying water. At this location SR 46 crosses the canal on bridge #50-026.

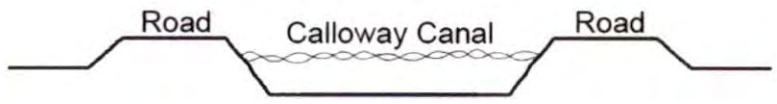
L4. Dimensions:

- **a. Top Width:** 125 feet
- **b. Bottom Width:** Unknown
- **c. Height or Depth:** Unknown
- **d. Length of Segment:** 100 feet

L5. Associated Resources:

Bridge No. 50-026

L4e. Sketch of Cross-Section: **Facing:** north



Not to scale

L6. Setting:

The canal is set in the southern San Joaquin Valley near vineyards and orchards.

L7. Integrity Considerations:

Unknown



L8b. Description of Photo, Map, or Drawing

JKE-022, 03, S -- 9914; facing south, showing canal with highway in foreground.

L9. Remarks:

L10. Form Prepared By:

S. Melvin/J.Jones, JRP Historical Consulting, LLC, 1490 Drew Ave, Suite 110, Davis CA 95618

L11. Date: 5/11/2009

P3a. Description (continued):

References:

UPDATE

Adams, Frank. Irrigation Districts in California, Bulletin No. 21. Sacramento: California State Printing Office, 1929.

Boyd, W. Harland, John Ludeke, and Marjorie Rump, eds. Inside Historic Kern. Bakersfield, CA: Kern County Historical Society, Inc., 1982.

Grunsky, Carl Ewald. "Irrigation Near Bakersfield, California," Water Supply and Irrigation Papers of the United States Geological Survey, No. 17-23. Washington: Government Printing Office, 1898.

JRP Historical Consulting, "Historic Architectural Survey Report: Tier 1, for Route Adoption on Route 58, Between I-5 and State Route 99 in Kern County." Prepared for California Department of Transportation, December 3, 1993. On file at the Southern San Joaquin Valley Information Center.

Lynch, George Gilbert. "Rambling Rosedale," Quarterly Bulletin of the Kern County Historical Society, (Fall 2006).

Office of Historic Preservation. "Directory of Properties in the Historic Property Data File for Kern County." November 10, 2008.

Pisani, Donald J. From The Family Farm To Agribusiness: The Irrigation Crusade In California And The West, 1850 – 1931. Berkeley: University of California Press, 1984.

The Weekly Courier, Saturday July 3, 1875. Clipping available in the Kern County Beale Memorial Library, Local History Room, Canal Vertical File.

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

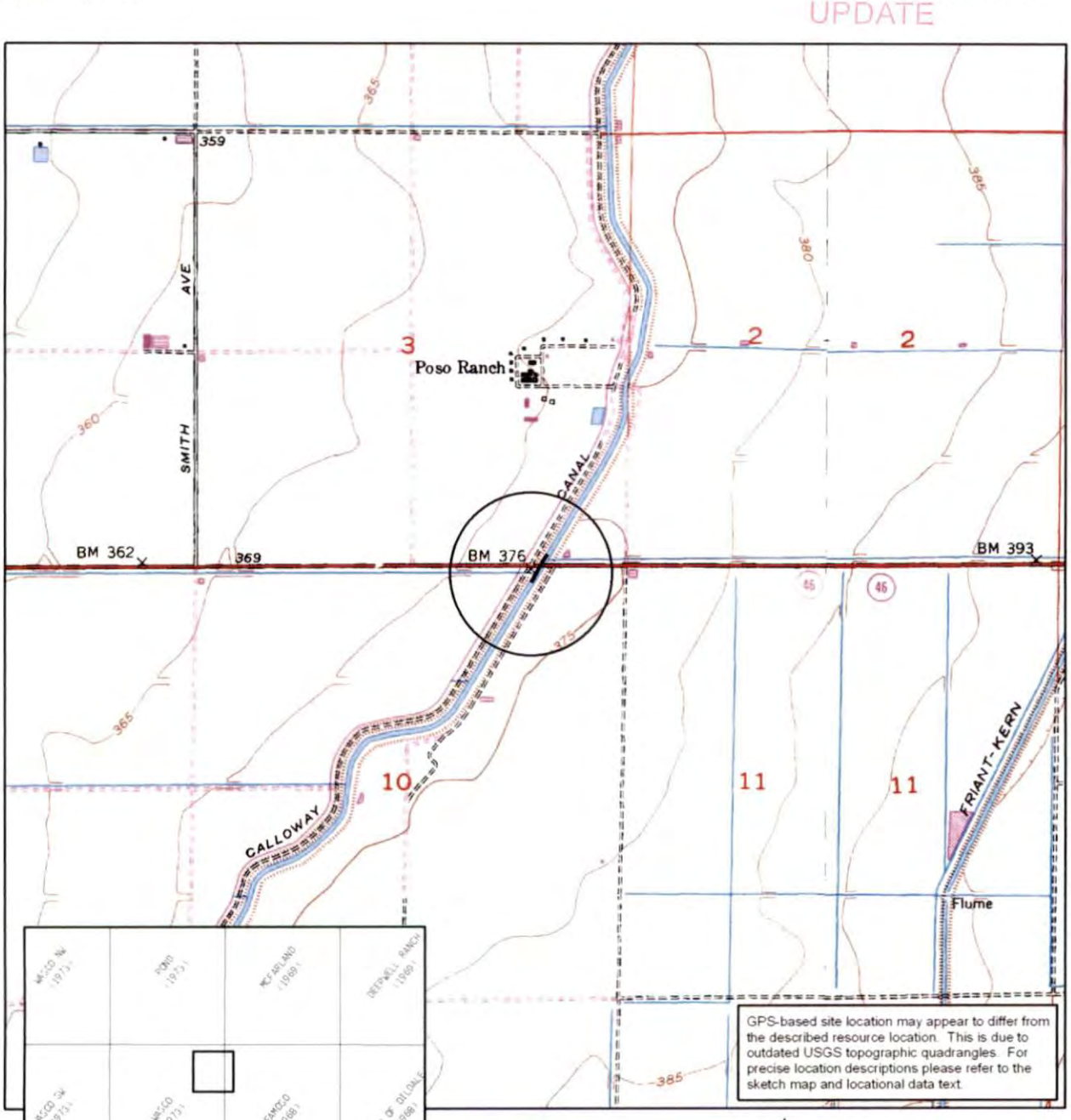
LOCATION MAP

Primary # P-15-007233
HRI #
Trinomial CA-KER-8810H

*Resource Name or #: Calloway Canal (UPDATE)

*Map Name: Wasco

*Year: 1973



Key to USGS 7.5' quads depicted

SCALE 1:24,000

*Required Information

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

SKETCH MAP

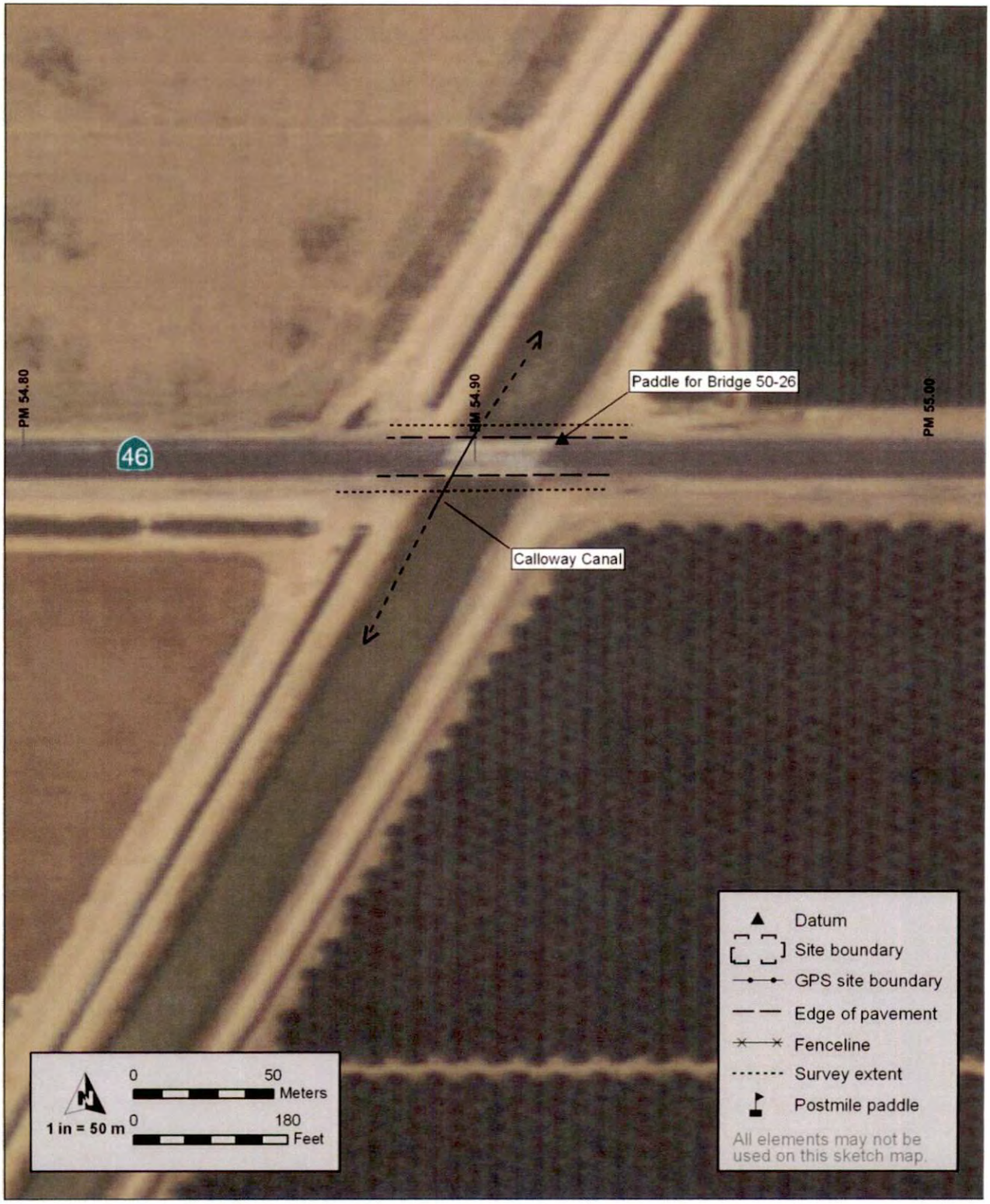
Primary # P-15-007233
HRI #
Trinomial CA-KER-8810H

*Resource Name or #: Calloway Canal (UPDATE)

*Drawn By: Far Western and JRP Historical Consulting, LLC

UPDATE

*Date: 05/11/2009



Sketch map is based on 2009 GPS data collected within the highway right-of-way.

*Required Information

Developed by JRP Historical Consulting Services

PROP# 102401
DOE-15-96-0053-0000

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-1
PHOTO DATE: August 16, 1993
P 15-007233

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-1 is located south of where Seventh Standard Road crosses the Calloway Canal.

3. **Other locations for recording this feature:** CC-2, CC-3, CC-4, CC-5

4. **Structures at or near this location:** A two-line oil pipeline crosses the canal at this location.

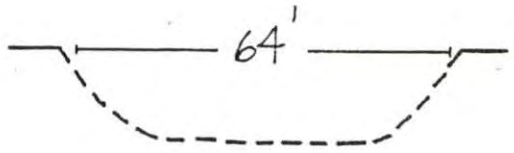
5. **Setting at this location:** Agricultural and oil production dominate the area. A hay field is located to the west, and an alfalfa field lies to the east. Oil tanks are situated to the west of the canal.

6. **Integrity considerations for this feature:** The canal in this section is earth lined; the oil pipeline is an intrusive element.

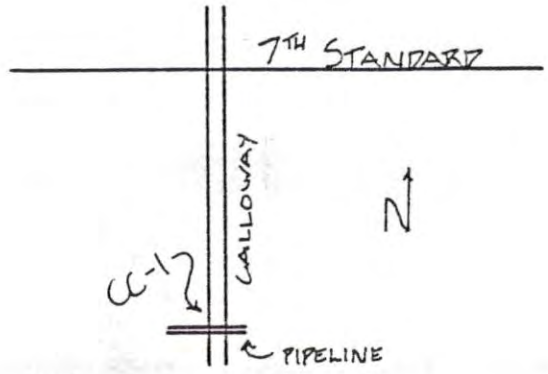
7. **Attributes at this location (measurements in feet):**

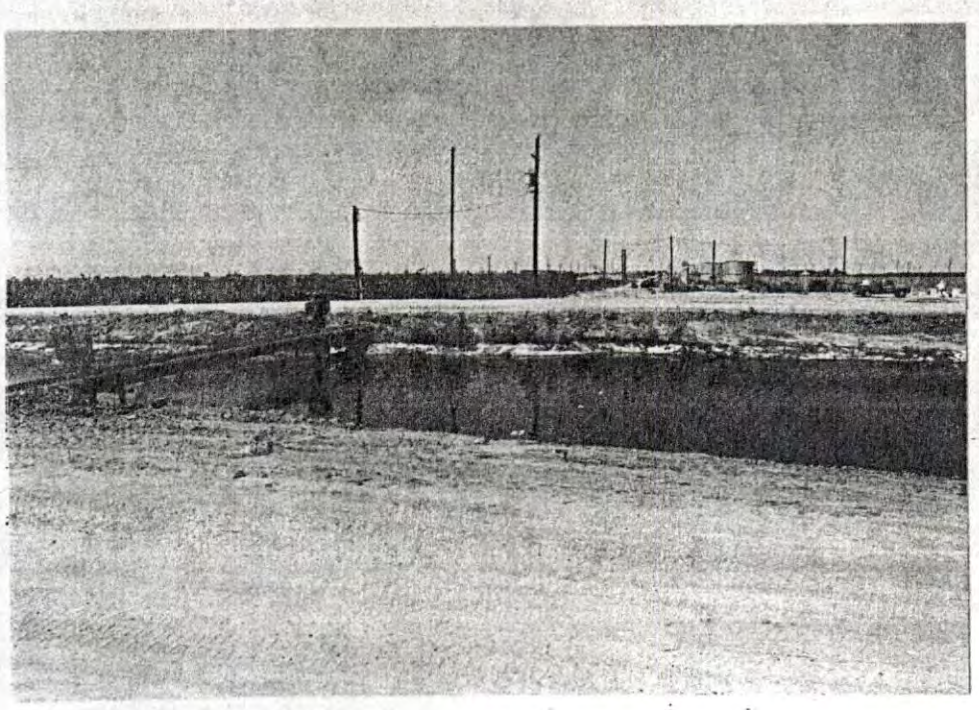
Top width: 64
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





Developed by JRP Historical Consulting Services

P 15-007233

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-2
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-2 is located where the Hageman Alignment crosses the Calloway Canal between Coffee Road and Riverlakes Road.

3. **Other locations for recording this feature:** CC-1, CC-3, CC-4, CC-5,

4. **Structures at or near this location:** There are no structures at this location.

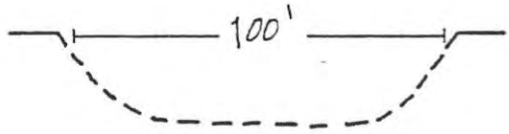
5. **Setting at this location:** Grading for a new subdivision is going on to the west of the canal. To the east of the canal is an orchard and a new school.

6. **Integrity considerations for this feature:** This section of the canal has been realigned.

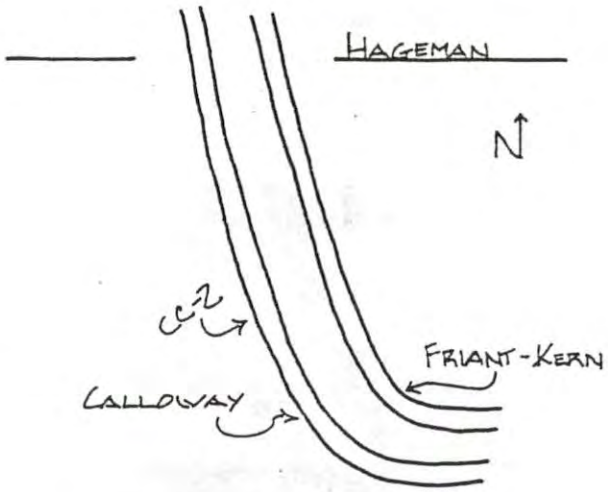
7. **Attributes at this location (measurements in feet):**

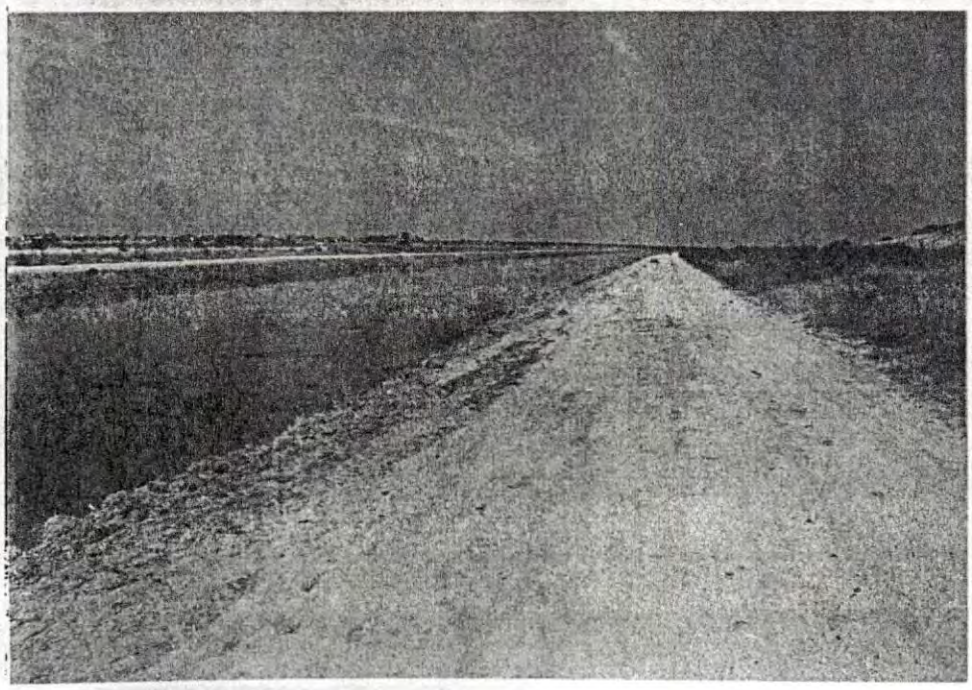
Top width: Approximately 100
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





CANAL FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

P 15-007233

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-3
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-3 is located east of Coffee Road, west of Henry Lane, and north of where the Calloway Canal intersects Highway 58.

3. **Other locations for recording this feature:** CC-1, CC-2, CC-4, CC-5

4. **Structures at or near this location:** The canal is contained within embankments, and the water level in the canal is higher than the surrounding ground.

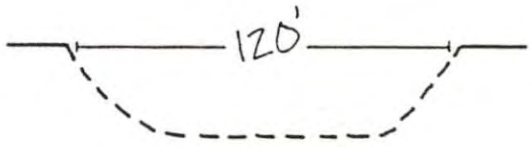
5. **Setting at this location:** The area around the canal is open to the west; to the east is an industrial area.

6. **Integrity considerations for this feature:** The portion of canal west of Coffee was relocated as part of the subdivision construction. This segment is in its original position.

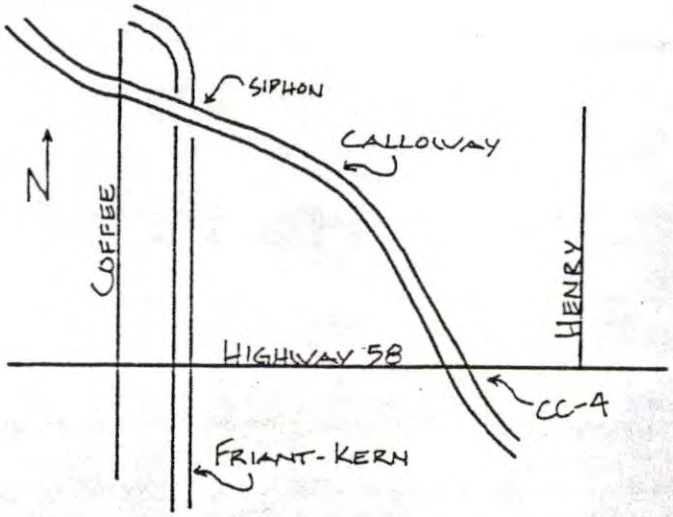
7. **Attributes at this location (measurements in feet):**

Top width: Approximately 120 (measured at Highway 58)
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





CANAL FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

P 15-007233

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-4

PHOTO DATE: August 17, 1993

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-4 is situated east of Fruitvale Avenue and north of Highway 58.

3. **Other locations for recording this feature:** CC-1, CC-2, CC-3, CC-5

4. **Structures at or near this location:** There are no structures at this location.

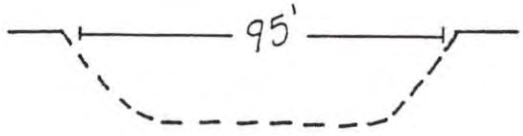
5. **Setting at this location:** An open field lies to the east of an industrial/commercial area located on the west side of Fruitvale Avenue.

6. **Integrity considerations for this feature:** The canal does not appear recently maintained; weeds are overgrown on the embankments of the canal. The canal is concrete lined where it passes under the Rosedale Highway (Highway 58).

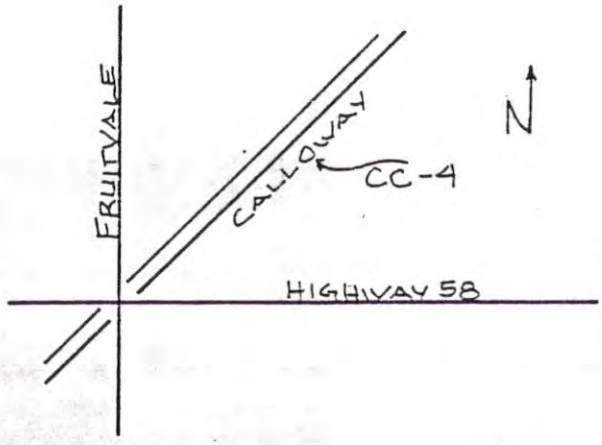
7. **Attributes at this location (measurements in feet):**

Top width: 95 (measured at Fruitvale Avenue)
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





CANAL FEATURE INVENTORY FORM

Developed by JRP Historical Consulting Services

P 15-007233

PROJECT: Highway 58 Route Adoption Study, Tier 1 EIS/R

LOCATION NO: CC-5
PHOTO DATE: August 17, 1993

1. **Name of Feature:** Calloway Canal

2. **Location of recordation:** CC-5 is located where the Calloway Canal crosses Pierce Road south of Rio Mirada Road and east of Highway 99.

3. **Other locations for recording this feature:** CC-1, CC-2, CC-3, CC-4,

4. **Structures at or near this location:** There are no structures related to the canal.

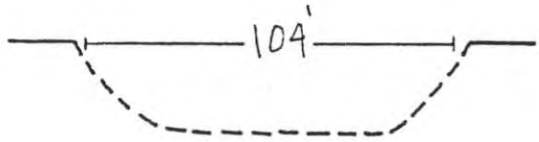
5. **Setting at this location:** A motel and commercial buildings are located north and south of the canal. To the west is Highway 99, which crosses the canal on a modern concrete overpass. Pierce Road crosses the canal on a modern concrete bridge.

6. **Integrity considerations for this feature:** Modern concrete bridges carry Highway 99 and Pierce Road over the canal, and its original setting has been compromised.

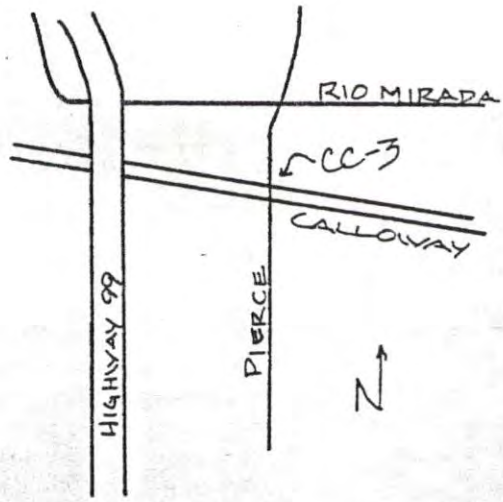
7. **Attributes at this location (measurements in feet):**

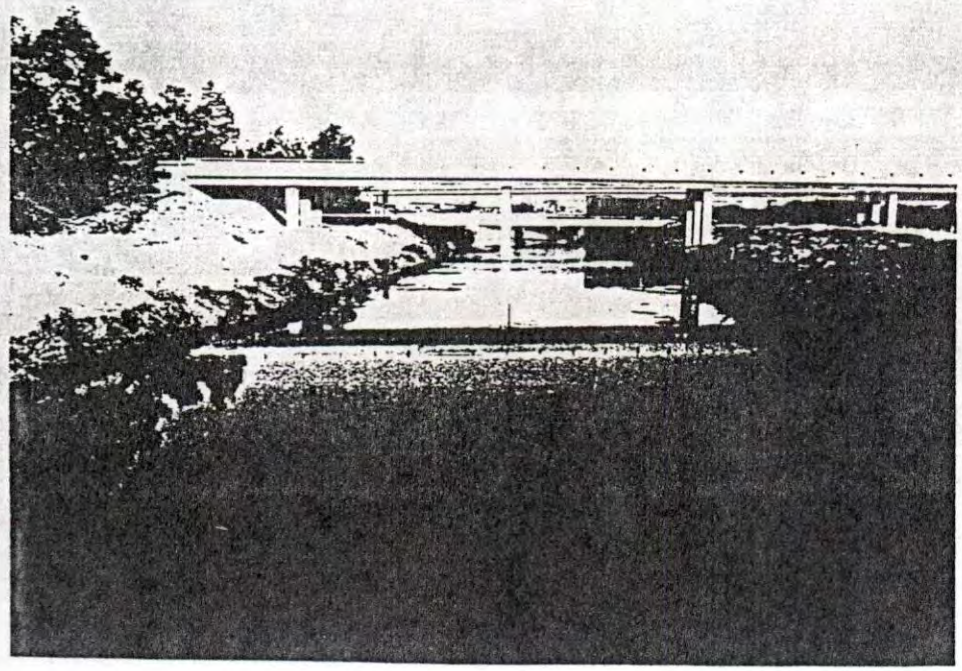
Top width: 104
Bottom width: Unable to observe due to high flows
Height or Depth: Unable to observe due to high flows
Material: Dirt lined.

8. **Sketch, in cross section:**
Looking north.



9. **Location sketch:**





	Property #
P-8102	065737
P-8103	110511
P-8104	110509
P-8105	110496
P-8106	110498
P-8107	110497
P-8108	064694
P-8109	064693
P-8110	110537
P-8111	110538

	Property #
P-8102	065737
P-8103	110511
P-8104	110509
P-8105	110496
P-8106	110498
P-8107	110497
P-8108	064694
P-8109	064693
P-8110	110537
P-8111	110538

	Property #
P-8172	110482
P-8173	110540
P-8174	110539
P-8175	110545
P-8176	110541
P-8177	065787
P-8178	067376
P-8179	067501
P-8180	065997
P-8181	065996

	Property #
P-8172	110482
P-8173	110540
P-8174	110539
P-8175	110545
P-8176	110541
P-8177	065787
P-8178	067376
P-8179	067501
P-8180	065997
P-8181	065996

	Property #
P-8172	110482
P-8173	110540
P-8174	110539
P-8175	110545
P-8176	110541
P-8177	065787
P-8178	067376
P-8179	067501
P-8180	065997
P-8181	065996

P 15-009109

ISOLATE RECORD
Cultural Resource Facility
California State University
9001 Stockdale Highway
Bakersfield, CA 93311-1099

INFORMATION CENTER NO.: IF-KER-765H
Temporary No.: N/A

1. **County:** Kern
2. **USGS Quad:** Oildale, Calif. (240A) **dated** 1954 P.I. 1973
3. **UTM Coordinates: Zone 11:** 310345 **mE** 3917320 **mN**
4. **Twp.** 29 S **Rng.**27 E, **MDBM,** NE 1/4 NW 1/4 SW 1/4 **Section** 28
5. **Map Coordinates:** 54 **mmS** 14 **mmE**
6. **Elevation:** 390 ft. (119 m.)
7. **Location:** Approximately 220 ft. (61 m.) south of Rosedale Highway, and 1000 ft. (305 m.) east of Coffee Road. It is located in an old disturbed agricultural field that lies about 6 ft. (1.8 m.) lower that the surface of Rosedale Highway. The earthen berm for the Calloway Canal is about 200 ft. (61 m.) to the east.

8. **Description:** The isolate consists of 3 fragments of an aqua glass wide-mouthed food jar. An illustration is attached.

9. **Nearest Water:** The Kern River bed is about 2 3/4 miles to the east.
10. **Vegetation Community:** Valley grassland
11. **Landform:** Valley floor
12. **Geology:** Granitic alluvium
13. **Exposure:** Open
14. **Slope:** <2%
15. **Landowner and Address:** Unknown
16. **Remarks:** None
17. **References:** None
18. **Name and Type of Project:** CalTrans Highway 58 Westside Corridor Project, CRF 91-39

19. **Photos:** None taken
20. **Photo Accession #:** N/A
21. **Date Recorded:** 7/Nov/1991
22. **Recorders:** Peggy Murphy, Shannon Harris, and Wendy Stevens
23. **Affiliation and Address:** Cultural Resource Facility California State University, Bakersfield

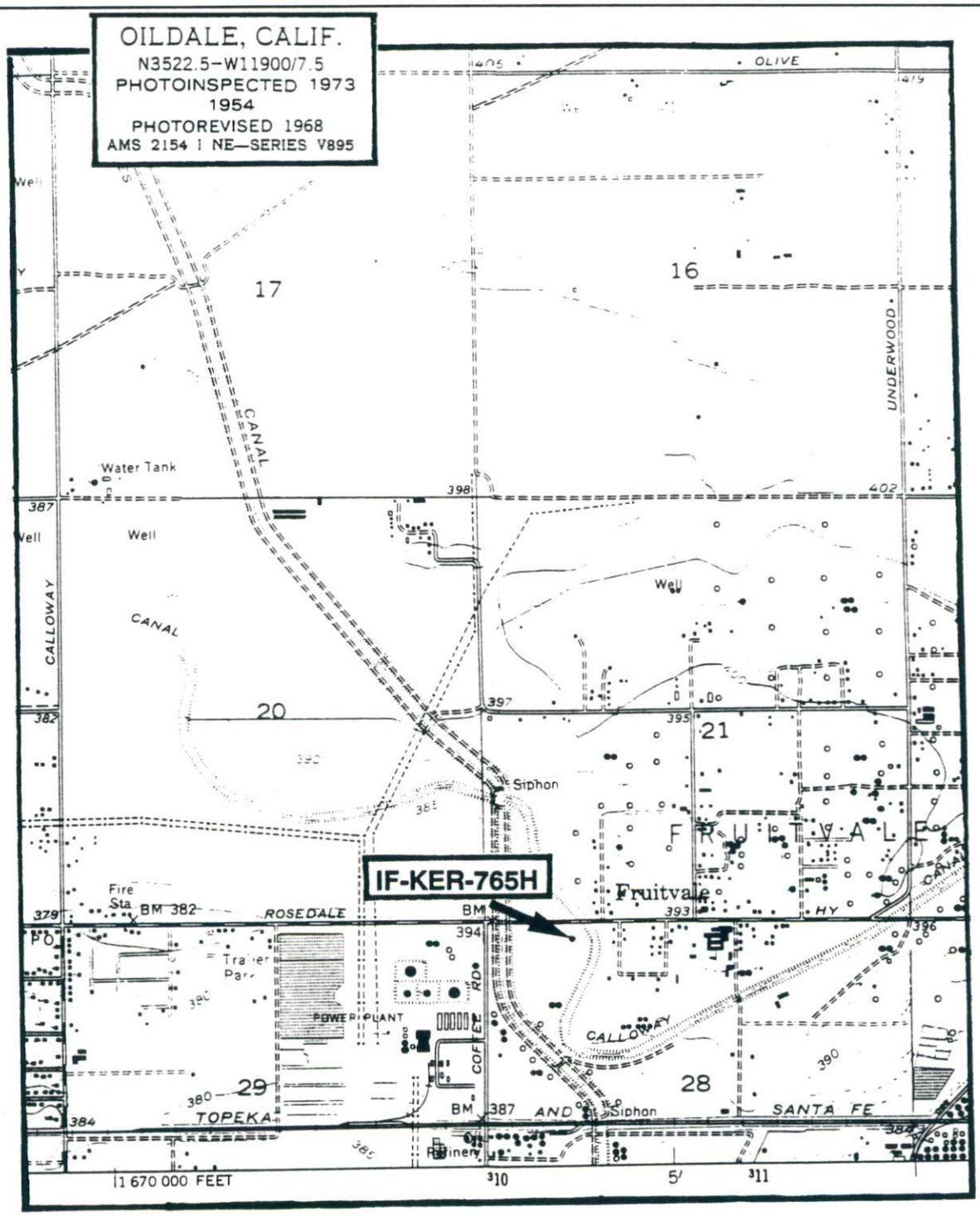
24. **Stored at:** Nothing collected

Southern San Joaquin Valley
Archaeological Information Center
9001 Stockdale Highway
Bakersfield, CA 93311-1099

P 15-009109

ISOLATE LOCATION MAP

INFORMATION CENTER NO.: IF-KER-765H
Temporary No.: N/A
USGS Map: Oildale, Calif. 1954 P.I. 1973
Recorders: Peggy Murphy, Shannon Harris, and Wendy Stevens



ISOLATE ILLUSTRATION

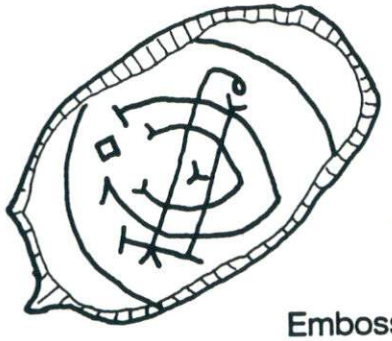
P 15-009109

INFORMATION CENTER NO.: IF-KER-765H

ISOLATE

Three fragments from a wide-mouthed food jar
Type of closure: metal hinghed

Color: aqua



Inside View of Jar Lid

Convex

Embossed design



raised area

groove for wire

embossed lettering

raised outer edge



embossed lettering

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # P-15-013728
HRI #
Trinomial CA-KER-007704H
NRHP Status Code 3S

Other Listings
Review Code Reviewer Date

Page 1 of 5 ***Resource Name or #:** Friant-Kern Canal
P1. Other Identifier:
***P2. Location:** ☐ **Not for Publication** ☐ **Unrestricted**
***a. County:** Kern **and** (P2c, P2e, and P2b or P2d. Attach a Location Map as necessary.)
***b. USGS 7.5' Quad** Famoso **Date** 1970 **T** 27S **R** 25E; SE & SW **¼ of** SE ¼ **of Sec** 23; M.D. **B.M.**
c. Address N/A City N/A Zip N/A
d. UTM: (give more than one for large and/or linear resources) Zone 11N, 296380 mE/ 3937312 mN;
e. Other Locational Data: (e.g. parcel#, directions to resource, elevation, etc.)

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
Friant-Kern Canal is an irrigation canal completed in 1951. The entire canal is approximately 152 miles long and carries water via gravity from the Friant Dam on the San Joaquin River to its terminus at the Kern River four miles west of Bakersfield. Approximately 127 miles of the canal are concrete-lined with a bottom width of 36 feet; the remaining 25 miles of canal are earth lined with a bottom width of 64 feet. The canal is approximately 15.5 feet deep.

The section of canal that was surveyed is located immediately north of Kimberlina Road, in Kern County, California. The canal is concrete lined in this segment, with an existing turn-out. Roads run along both sides of the embankment along the canal.

(continued on page)

***P3b. Resource Attributes:** (List attributes and codes) HP20. Canal/Aqueduct
***P4. Resources Present:** ☐ Building ☒ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)
P5a. Photograph or Drawing (Photograph required for buildings, structures, and objects.)



P5b. Description of Photo: (view, date, accession#)
Overview of Friant-Kern Canal at Kimberlina Road, looking north
Photo taken on 2/29/2016.

***P6. Date Constructed/Age and Source:**
☒ Historic ☐ Prehistoric ☐ Both
1951, NRHP Nomination

***P7. Owner and Address:**
Bureau of Reclamation, South-Central California Area Office
1243 N Street
Fresno, CA 97321

***P8. Recorded by:** (Name, affiliation, and address)
Jennifer Gorman, Architectural Historian
ASM Affiliates, Inc.
2034 Corte Del Nogal
Carlsbad, CA 92011

***P9. Date Recorded:** February 2016

***P10. Survey Type:** (Describe) Pedestrian Intensive

***P11. Report Citation:** (cite survey report and sources, or enter "none.") Class III Inventory/Phase I Survey, Shafter-Wasco Irrigation District Recharge Project, Kern County, California

***Attachments:** ☐ NONE ☒ Location Map ☐ Sketch Map ☐ Continuation Sheet ☒ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
BUILDING, STRUCTURE, AND OBJECT RECORD

Primary # P-15-013728
CA-KER-007704H
HRI #

Page 2 of 5 ***NRHP Status Code** 3S

***Resource Name or #** (Assigned by recorder) Friant-Kern Canal

B1. Historic Name: Friant-Kern Canal
B2. Common Name: Friant-Kern Canal
B3. Original Use: Canal
B4. Present Use: Canal
***B5. Architectural Style:** N/A
***B6. Construction History:** **(Construction date, alterations, and date of alterations)** The Friant-Kern Canal was completed in 1951.

***B7. Moved?** ☒ **No** ☐ **Yes** ☐ **Unknown** **Date:** N/A **Original Location:** N/A
***B8. Related Features:** None
B9a. Architect: None b. Builder: U.S. Bureau of Reclamation
***B10. Significance: Theme** a. Development, Construction, and Operation of the Central Valley Project
b. Technological Innovation in Irrigated Agriculture in California
Area: San Joaquin Valley
Period of Significance: a. 1945-1951 b. 1852-1964 **Property Type:** Canal **Applicable Criteria:** NRHP: A, C CRHR: 1, 3

(Discuss importance in terms of historical or architectural context as defined by theme, period, and geographic scope. Also address integrity.)

The Friant-Kern Canal surveyed within the APE is recommended as eligible for the NRHP and CRHR. No eligible historic district was identified to which the canal would be a contributor. In 2006, James Bailey, a historian at the U.S. Bureau of Reclamation completed an NRHP nomination for the Friant-Kern Canal, recommending it eligible for the NRHP under Criterion A for the historic theme of Development, Construction, and Operation of the Central Valley Project with a period of significance 1945-1951, as one of the West's longest canals that facilitated the expansion of irrigated lands on the east side of the central-southern reaches of the Central Valley which, in turn, expanded California's agricultural economy to unprecedented levels. The Friant-Kern Canal retains integrity of location, setting, association, feeling, materials, design and craftsmanship. ASM concurs with this finding and recommends the Friant-Kern Canal as eligible for the NRHP and CRHR under Criterion A/1.

No historically significant individuals were identified that were associated with the Friant-Kern Canal. As such, it is recommended not eligible under NRHP/CRHR Criteria B/2.

(continued on page 4)

B11. Additional Resource Attributes: (List attributes and codes) None

***B12. References:** See page 5

B13. Remarks: None

***B14. Evaluator:** Jennifer Gorman, Architectural Historian

***Date of Evaluation:** February 2016

Sketch Map with north arrow required.

See page 4

(This space is reserved for official comments)

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # P-15-013728
HRI # ~~CA-KER-007704H~~
Trinomial

 ***Resource Name or # (Assigned by recorder)** Friant-Kern Canal
***Map Name:** Friant-Kern Canal Location Map ***Scale:** 1:24,000 ***Date of Map:** 1970



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
SKETCH MAP

Primary # P-15-013728
HRI # CA-KER-007704H
Trinomial

 ***Resource Name or # (Assigned by recorder)** Friant-Kern Canal
***Map Name:** Friant-Kern Canal Sketch Map ***Scale:** 1:24,000 ***Date of Map:** N/A



***B10. Significance:**
(continued from page 2)

The section of the Friant-Kern Canal surveyed has the potential for eligibility under the theme of Technological Innovation in Irrigated Agriculture in California, 1852-1964. This theme begins with the earliest technological innovations in agricultural irrigation in California and extends up to a period of 50 years ago. The Friant-Kern Canal is a good example of the property type as one of the largest water conveyance property types in the western United States, serving three of the top five agricultural-producing counties- Fresno, Tulare, and Kern. As such, Friant-Kern Canal is recommended as eligible under NRHP/CRHR Criteria C/3.

Finally, the Friant-Kern Canal is not recommended eligible under NRHP/CRHR Criteria D/4. It is a common property type that does not have the potential to provide information about history or prehistory that is not available through historic research.

***B12. References:**
(continued from page 2)

Bailey, James
2006 National Register Nomination for the Friant-Kern Canal. Prepared by the historian at the U.S. Bureau of Reclamation, May 24, 2006.

California Highways
2014 State Highway Types. California Highways, www.cahighways.org. Accessed December 4, 2014.

Caltrans
2000 *Water Conveyance Systems in California: Historic Context Development and Evaluation Procedures,* prepared jointly by JRP Historical Consulting Services and Caltrans, Sacramento, California, December 2000.

2014 Historical Significance for State and Local Agency Bridges. http://www.dot.ca.gov/hq/structur/strmaint/historic.htm. Accessed on December 5, 2014.

JRP Historical Consulting (JRP)
2003 *Historic Context Statement: Roadway Bridges of California: 1936 to 1959.* Prepared for the State of California Department of Transportation Environmental Program, Sacramento, California, January 2003.

National Register of Historic Places
1997 *How to Complete the National Register Registration Form*, National Register Bulletin 15, National Park Service, revised 1997.

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State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

PRIMARY RECORD

Primary # _____
HRI # _____
Trinomial CA-KER -07704H
NRHP Status Code 7
Other Listings OHP PROP # 163703
Review Code _____ Reviewer _____ Date _____

RECEIVED
FEB 09 2010
By _____

*Resource Name or #: JKE-023

P1. Other Identifier: Friant-Kern Canal

*P2. Location: ☐ Not for Publication ☑ Unrestricted *a. County: Kern

*b. USGS Quad: Multiple; T27S R25E, Sec. 12; MDB&M

c. Address:

d. UTM: Zone 11; 303210 mE/ 3959480 mN NAD27 Datum

e. Other Locational Data:

The Friant-Kern Canal was recorded at two locations during the current survey: from GIS-based post mile 56.16 to 56.19 on State Route (SR) 46 (Segment A) and from GIS-based post mile 4.02 to 4.04 on SR 155 (Segment B). The segments are partially within the right-of-way and abutting the edge-of-pavement on both sides of the highways. See Linear Feature Records for site specific locational data and driving directions.

P2.b: Quads: Delano East (1953; photorevised 1969), Famoso (1953; photorevised 1968).

*P3a. Description:

This form records two segments of the Friant-Kern Canal where it passes under SR 46 and SR 155 in rural Kern County. The US Bureau of Reclamation began construction of the Friant-Kern Canal in 1945 and completed it in 1951. The canal was part of the Central Valley Project (CVP), an integrated system of dams, reservoirs, and canals in California's Central Valley designed to alleviate the state's chronic water shortages (California 1943:10; USBR 1958: "Friant Dam Provides Water"). The Friant-Kern Canal begins at the Friant Dam on the San Joaquin River above Fresno and flows 152 miles, terminating at the Kern River. It provides additional irrigation water to land in Fresno, Tulare, and Kern counties in the eastern San Joaquin Valley. The canal's builders used crawler tractors towing an endless belt excavator to remove dirt from the path of the canal, and a combined shaper and concrete layer laid down the lining. These machines were moved on tracks laid temporarily at the edge of the canal, and shifted as the crews finished each segment. The machines for cutting, shaping, and lining the canals were referred to as " jumbos." The builders poured concrete into a slow moving slip form which followed the canal-shaping jumbo. See Continuation Sheet and Linear Feature Record for a description of the resource.

*P3b. Resource Attributes: HP20 (Canal)

*P4. Resources Present: ☐ Building ☑ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)



*P5b. Description of Photo:
Photograph 1. JKE-023, Seg A, 01, N -- 9915; facing north, Segment A with SR 46 in foreground

*P6. Date Constructed/Age & Sources:
☑ Historic ☐ Prehistoric ☐ Both
1951

*P7. Owner and Address:
U.S. Bureau of Reclamation, 2800 Cottage Way
Sacramento, CA 95825

*P8. Recorded by:
Steven J. Melvin and Rebecca Flores, JRP Historical Consulting, LLC, 1490 Drew Ave, Suite 110, Davis, CA

*P9. Date Recorded: 5/11/2009

*P10. Survey Type:
Reconnaissance

*P11. Citation: Leach-Palm et al. 2010. Cultural Resources Inventory of Caltrans District 6 Rural Conventional Highways in Fresno, Kern, Kings, Madera, and Tulare Counties. Submitted to Caltrans District 6, Fresno, CA.

*Attachments: ☐ None ☑ Location Map ☑ Sketch Map ☑ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☑ Linear Feature Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other:

*Required Information

P 15 -13728

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # _____
HRI # _____
Trinomial CA-Ker -07704H

 *Resource Name or #: JKE-023

L1. Historic and/or Common Name: Friant-Kern Canal

L2a. Portion Described: ☐ Entire Resource ☑ Segment ☐ Point Observation **Designation:** Segment A

L2b. Location of Point or Segment:

This segment of the Friant-Kern Canal is located on SR 46 between GIS-based post miles 56.16 to 56.19. From the intersection of US 99 and SR 46 in the town of Famoso, proceed west 1.62 miles on SR 46 to the "BR 50-146" sign (datum). The resource is 1 meter west of the sign.
USGS Quad: Famoso (1953, photorevised 1968); T27S R25E, Sections 1, 12; MDBM

L3. Description:

The resource at this location is a concrete-lined canal with steep banks. On each side of the channel are 18-foot wide service roads built on berms about five feet above the adjacent fields. The road on the west side is paved with asphalt, while the east road is surfaced with gravel. The canal was filled with water at the time of recordation, preventing a more complete description.

Segment UTMs: 297101mE/ 3942063mN to 297105mE/ 3942142mN

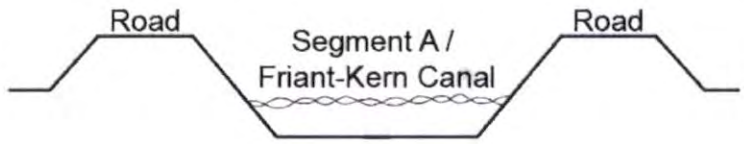
L4. Dimensions:

a. **Top Width:** 90 feet
b. **Bottom Width:** Unknown
c. **Height or Depth:** Unknown
d. **Length of Segment:** 100 feet

L5. Associated Resources:

None

L4e. Sketch of Cross-Section: **Facing:** North



Not to scale

L6. Setting:

The canal is located in the flat agricultural landscape of the southern San Joaquin Valley surrounded by vineyards and orchards.

L7. Integrity Considerations:

Unknown



L8b. Description of Photo, Map, or Drawing

JKE-023, Seg A, 04, S -- 9918; view of Segment A, facing south.

L9. Remarks:

L10. Form Prepared By:

Steven J. Melvin, JRP Historical Consulting, LLC, 1490 Drew Ave, Suite 110, Davis CA 95618

L11. Date: 7/10/2009

P 15 - 13728

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LINEAR FEATURE RECORD

Primary # _____
HRI # _____
Trinomial CA-Ker - 07704H

 *Resource Name or #: JKE-023

L1. Historic and/or Common Name: Friant-Kern Canal

L2a. Portion Described: ☐ Entire Resource ☑ Segment ☐ Point Observation **Designation:** Segment B

L2b. Location of Point or Segment:
This segment of the Friant-Kern Canal is located on SR 155 between GIS-based post miles 4.02 and 4.04. From the intersection of US 99 and SR 155 in the town of Delano, proceed east 4.0 miles on SR 155 to post mile paddle 4.0 (datum). The resource is approximately 200 feet east of the sign.
USGS Quad: Delano East (1953, photorevised 1969); T25S R26E, Section 9, 16; MDBM

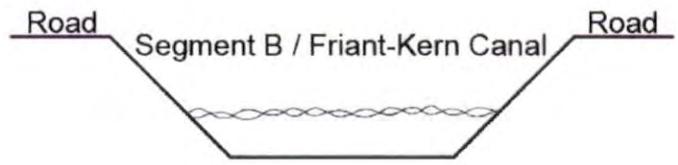
L3. Description:
The resource at this location is a concrete-lined canal with steep banks. On each side of the channel are 18-foot wide service roads built on berms about five feet above the adjacent fields. The road on the west side is paved with asphalt, while the east road is surfaced with gravel. The canal was filled with water at the time of recordation, preventing a more complete description.

Segment UTMs: 303207mE/ 3959618mN to 303210mE/ 3959767mN

L4. Dimensions:
- **a. Top Width:** 90 feet
- **b. Bottom Width:** Unknown
- **c. Height or Depth:** Unknown
- **d. Length of Segment:** 100 feet

L5. Associated Resources:
None

L4e. Sketch of Cross-Section: **Facing:** North



Not to scale

L6. Setting:
The canal is located in the flat agricultural landscape of the southern San Joaquin Valley surrounded by vineyards.

L7. Integrity Considerations:
Unknown



L8b. Description of Photo, Map, or Drawing
JKE-025, 01, NE -- 9933; facing northeast, Segment B with SR 155 in the foreground.

L9. Remarks:

L10. Form Prepared By:
Steven J. Melvin, JRP Historical Consulting, LLC, 1490 Drew Ave, Suite 110, Davis CA 95618

L11. Date: 7/10/2009

P 15 -13728

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # _____
HRI # _____
Trinomial CA-Ker -07704H

 ***Resource Name or #:** JKE-023

***Recorded By:** S. Melvin and R. Flores, JRP Historical Consulting, LLC ***Date:** 5/11/2009 ☑ Continuation ☐ Update

P3a. Description (continued):

The canal just below the Friant Dam is 80 feet wide at the top and 15 feet deep, and it gradually decreases in size as it runs south (USBR 1958: "Friant-Kern Canal").

References:

California Highways and Public Works. "Completion of Central Valley Project Urged to Produce Food Fiber Rubber," California Highways and Public Works (February 1943).

US Bureau of Reclamation. "Friant Dam Provides Water for 500,000 Thirsty Acres." Washington: US G.P.O, 1958.

US Bureau of Reclamation, Central Valley Project, Friant Division, California. Friant-Kern Canal: Technical Record of Design and Construction. Denver, Colorado, May 1958.

P 15 -13728

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

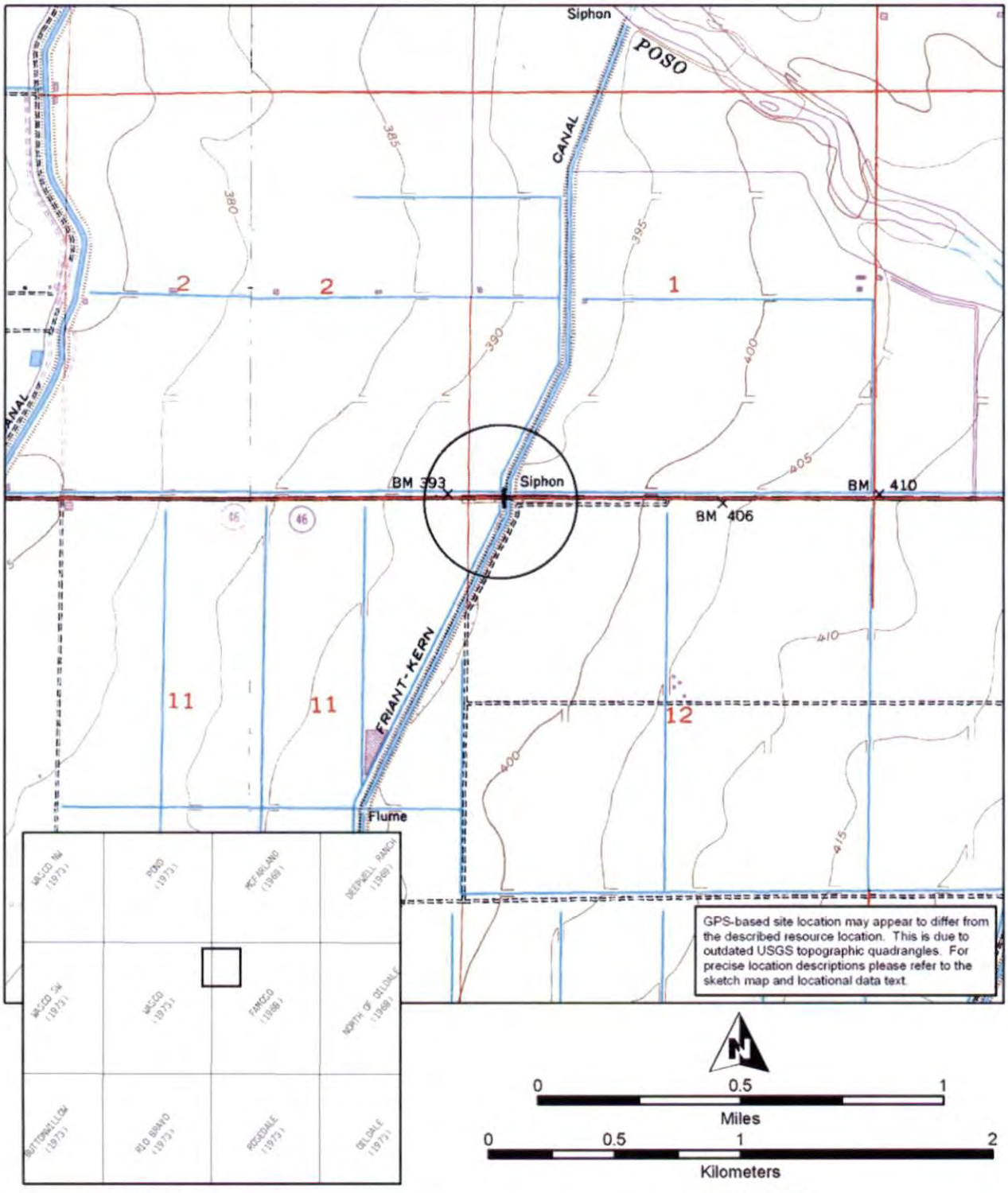
Primary # _____
HRI # _____
Trinomial CA-Ker - 07704H

*Resource Name or #: JKE-023

*Map Name: Famoso (1968)

*Year: 1968

13728-1



Key to USGS 7.5' quads depicted

SCALE 1:24,000

Location Map for Segment A

*Required Information

P 15 -13728

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

LOCATION MAP

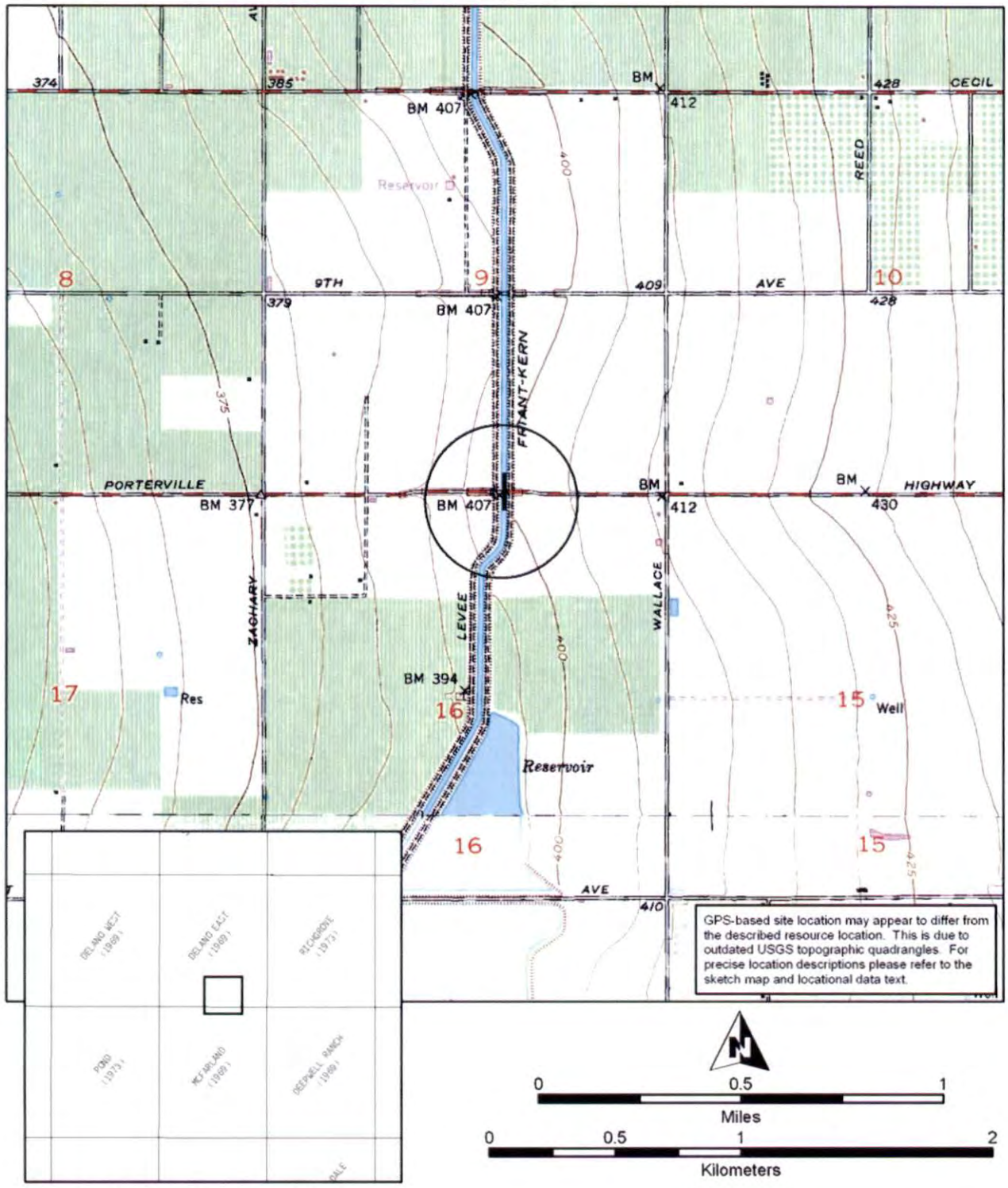
Primary # _____
HRI # _____
Trinomial CA-Ker -07704H

*Resource Name or #: JKE-023

*Map Name: Delano East (1969)

*Year: 1969

13728-2



Key to USGS 7.5' quads depicted

SCALE 1:24,000

Location Map for Segment B

*Required Information

P 15 -13728

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

SKETCH MAP

Primary # _____
HRI # _____
Trinomial CA-KER -07704H

*Resource Name or #: JKE-023

*Drawn By: Far Western and JRP Historical Consulting, LLC

*Date: 05/11/2009



Sketch map is based on 2009 GPS data collected within the highway right-of-way. Sketch Map for Segment A

*Required Information

P 15 -13728

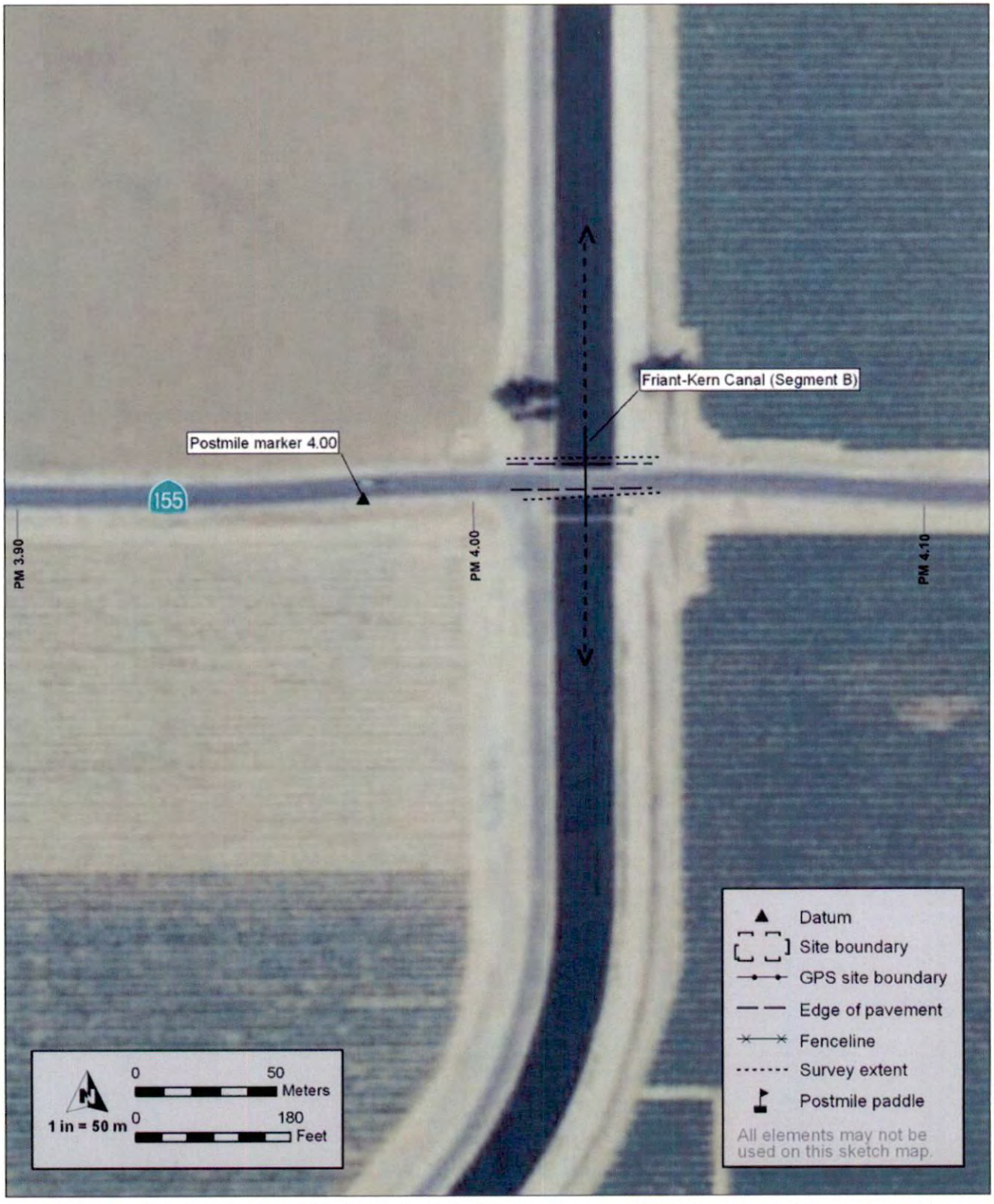
State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
SKETCH MAP

Primary # _____
HRI # _____
Trinomial CA-KER -07704H

***Resource Name or #:** JKE-023

***Drawn By:** Far Western and JRP Historical Consulting, LLC

***Date:** 05/11/2009



Sketch map is based on 2009 GPS data collected within the highway right-of-way. Sketch Map for Segment B

***Required Information**

~~P-15-004724~~

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary # ~~P-15-004724~~ P-15-013728
HRI #
Trinomial CA-KER-7704H
NRHP Status Code
Other Listings
Review code Reviewer Date

Page 1 of 2 *Resource Name or #: (Assigned by recorder) Friant-Kern Canal
P1. Other Identifier: SFPP-51
*P2. Location: ☐ Not for Publication ☒ Unrestricted *a. County Kern
and (P2b and P2c or P2d. Attach a Location Map as necessary.)
*b. USGS 7.5' Quad McFarland Date 1969 T 26S; R 26E; NW 1/4 of NE 1/4 of NW 1/4 of Sec 31; MD B.M.
c. Address 263B City Zip
d. UTM: (Give more than one for large and/or linear resources) Zone 11, 299658 mE/ 3945080 mN
e. Other Locational Data (e.g., parcel #, legal description, directions to resource, elevation, etc., as appropriate):
Drive south on Highway 99 from McFarland 3 miles. The Friant-Kern Canal crosses under Highway 99 and is clearly marked.

*P3a. Description: (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries)
Canal was behind a barbwire fence and only partially visible. Earthen canal (partially concrete lined) flowing in a roughly north/south direction. Canal is associated with agricultural regions; immediately south is an orchard. Condition is good to excellent; maintained regularly.

*P3b. Resource Attributes: (List attributes and codes) HP20
*P4. Resources Present: ☐ Building ☒ Structure ☐ Object ☐ Site ☐ District ☐ Element of District ☐ Other (Isolates, etc.)

P5b. Description of Photo (view, date, accession #) East; 4-28-95;CW-5-16



*P6. Date Constructed/Age and Sources: ☒ Historic
☐ Prehistoric ☐ Both

*P7. Owner and Address:

*P8. Recorded by (Name, affiliation, and address): Carrie D. Wills & Allen Estes; William Self Associates 4 Orinda Way Suite 200A Orinda, CA 94563

*P9. Date Recorded: April 28, 1995

*P10. Survey Type: (Describe)
Reconnaissance.

*P11. Report Citation (Cite survey report and other sources, or enter "none."): Class I Overview Santa Fe Pacific Pipeline Partners, L.P., Proposed Concord to Colton Pipeline Project.

*Attachments: ☐ NONE ☒ Location Map ☐ Sketch Map ☐ Continuation Sheet ☐ Building, Structure, and Object Record
☐ Archaeological Record ☐ District Record ☐ Linear Resource Record ☐ Milling Station Record ☐ Rock Art Record
☐ Artifact Record ☐ Photograph Record ☐ Other (List):

~~R-15-004724~~
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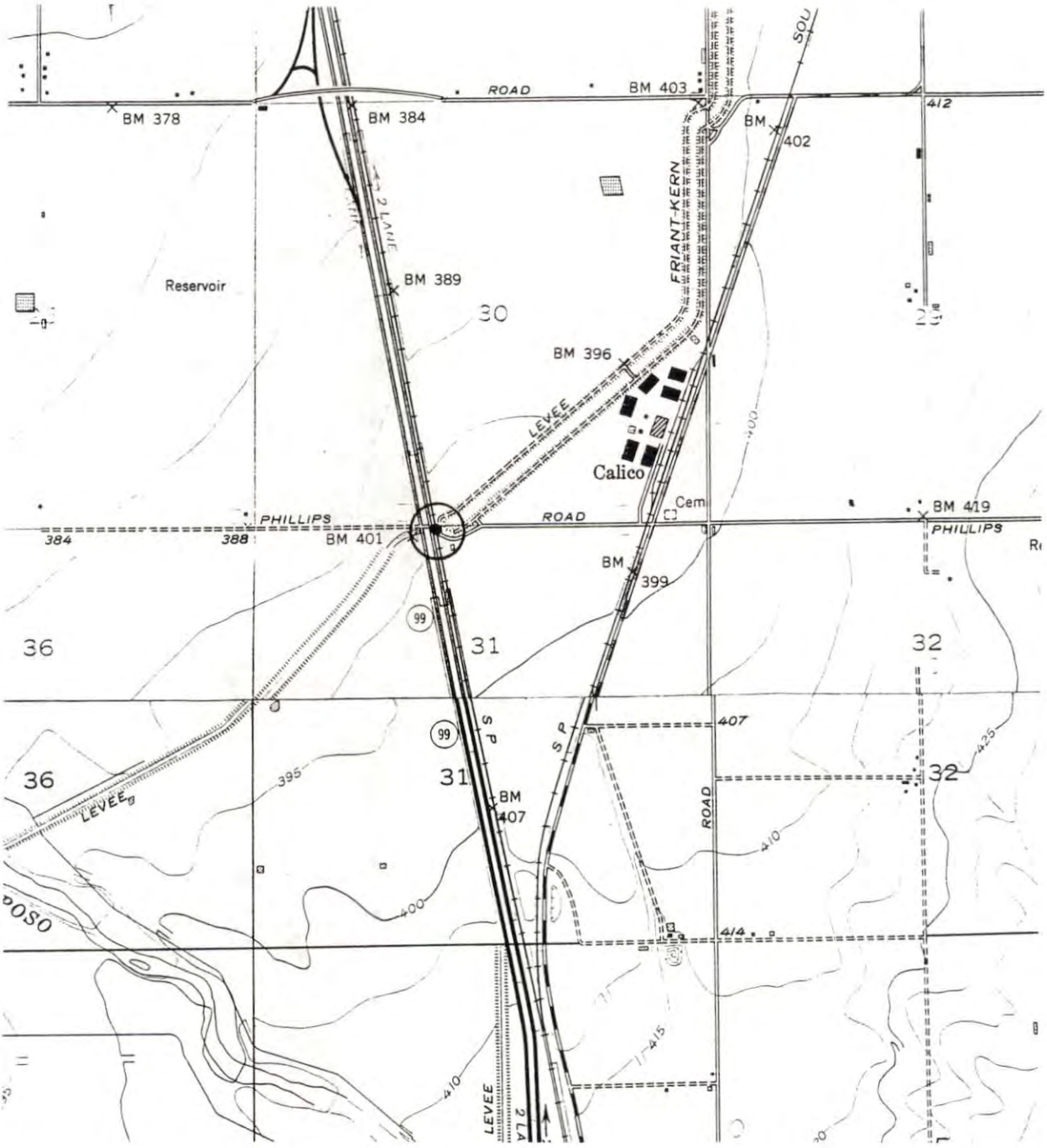

FAMOSO, CALIF.
7.5' QUADRANGLE
1953
PHOTOREVISED 1968

MC FARLAND, CALIF.
7.5' QUADRANGLE
1954
PHOTOREVISED 1969

0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

N

CONTOUR INTERVAL 40 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Santa Fe Pacific Pipeline
Concord to Colton Project

Location Map

CONFIDENTIAL INFORMATION NOT FOR PUBLIC DISTRIBUTION - PREPARED BY WILLIAM SELF ASSOCIATES

CONFIDENTIAL APPENDIX B

Tribal Records Search

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NATIVE AMERICAN HERITAGE COMMISSION

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NAHC HEADQUARTERS
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West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov

November 5, 2025

Peter Carey
ASM Affiliates

Via Email to: pcarey@asmaffiliates.com

Re: QK Zone Change (APN 368-030-32) Project, Kern County

To Whom It May Concern:

As requested, a search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed based on information submitted for the above referenced project. The results were negative. Be aware that tribes do not always record their sacred sites in the SLF, nor are they required to do so. As such, an SLF search is not a substitute for consultation with all tribes that are traditionally and culturally affiliated with a project's geographic area.

Attached is a list of Native American tribes that are traditionally and culturally affiliated with the project's geographic area. Please contact all of the listed tribes as they may have information about sacred sites within the project area that is not listed with the NAHC.

If within two weeks of notification, a response has not been received, the Commission requests that you follow up with a telephone call or email to ensure that the project information was received.

If you receive notification of a change of address or phone number from a tribe, please inform the NAHC so that we can assure that our lists contain current information.

In addition to engaging in tribal consultation, you should consult the appropriate regional California Historical Research Information System (CHRIS) information center to determine whether it has information regarding the presence of recorded archaeological sites within the project area.

If you have any questions or need additional information, please contact me at Mathew.lin@nahc.ca.gov.

Sincerely,

Mathew Lin

Mathew Lin, MPP
Cultural Resources Analyst

Attachment