RIVERSIDE ENERGY RESOURCE CENTER
SMALL POWER PLANT EXEMPTION
RESPONSE TO CEC DATA REQUESTS
04-SPPE-01

Technical Area: Cultural Resources

NOTE: If a response reveals archaeological site locations, please submit it under confidential cover.

BACKGROUND

Public Resources Code § 5020.1 (j), identifies the term "historical resource" as including, but not limited to, any object, building, structure, site, area, place, record , or manuscript which is historically or archaeologically significant. Cultural material that fits into these categories needs to be considered for eligibility to the California Register of Historical Resources (CRHR) (significance), if it is more than 45 years old. An evaluation of the potential cultural resource will accomplish that purpose. An existing 69kV transmission line (a structure) will be the tie-in for new transmission from the project. The tie is an alteration to the potential cultural resource.

Data Request 25: How old is the existing transmission line that will be impacted by the project?

Response: The existing transmission line to be impacted by the project is younger than 45 years old and is therefore not considered a significant cultural resource.

Data Request 26: How old is the existing transmission line that will be replaced by the project? If either of these lines is more than 45 years old, please evaluate them for eligibility to the California Register of Historical Resources.

Response: The existing transmission line to be replaced by the project is younger than 45 years old and is therefore not considered a significant cultural resource.

BACKGROUND

The application for exemption only provided a discussion of compliance with county cultural resources law. The project is located in the City of Riverside and must comply with City ordinances.

Data Request 27: Please identify City of Riverside cultural resources ordinances, and describe how the project will comply with them.

Response: Riverside's commitment to historic preservation began in 1969 with the adoption of a preservation ordinance (*Title 20 of the Municipal Code*) and creation of the Cultural Heritage Board. Title 20 is the primary body of local laws relating to historic preservation and essentially provides guidance on the City's cultural resources program process. The ordinance contains provisions for surveying, recording and designating historic resources; provides historic district design guidelines; and includes an award-winning historic resources inventory data-base; educational programs and a historic preservation plan.
Web Site: www.riversideca.gov/planning/historic.htm

BACKGROUND

It is necessary to identify all cultural resources that may be impacted by the project. At times local historical or archaeological societies may have knowledge of cultural resources that have not been recorded elsewhere. In addition, the city and county may have listings of archaeological or historic resources in the vicinity of the project.

Data Request 28: Please contact local historic and archaeological associations or societies and request information regarding any cultural resources within one mile of the project. Please provide copies or summaries of any information obtained from these sources.

Response: SWCA contacted the following local historic associations, societies and specialists to obtain additional information available regarding cultural resources located within one mile of the project area:

- Riverside Public Library, William Swafford, City Librarian
- Old Riverside Foundation
- Riverside Historical Society

As of this date, SWCA is not aware of any significant cultural resources located within one mile of the project area that were not already identified as a result of the literature review previously undertaken at the Eastern Information center, University of California, Riverside.

Data Request 29: Please contact the City and County of Riverside to determine whether they have identified any cultural resources within one mile of the project.

Response: SWCA contacted the following government specialists regarding the presence of cultural resources within one mile of the project area:

- City of Riverside, Janet Hansen, Historic Preservation Specialist
- County of Riverside, Cindy Thomack, Historic Preservation Officer

Cindy Thomack at the County is searching her files for evidence of cultural resources near the project area. Apparently, a historic properties survey of portions of the County was undertaken in the early 1980s. The survey, however, was accomplished mostly by volunteers under the supervision of a County historian. The record is incomplete, as properties were missed by the survey, and properties not old enough for listing at the time, may have now become eligible.

BACKGROUND

The SPPE Application Page 168, states that biologist Brian Arnold assisted in walking transects across the 12-acre parcel. A biologist may fail to recognize cultural resources during an archaeological survey. A biologist is not the appropriate specialist to conduct an archaeological field survey.

Data Request 30: Please have someone qualified in archaeology walk transects that were walked by Brian Arnold and report the findings.

Response: The transects that Brian Arnold walked during the initial survey were resurveyed by the author, Patrick Maxon on 26 May 2004.

Data Request 31: If historian James Steely participated in the archaeological field survey and does not also have a degree and a minimum of one year experience in field archaeology please have someone who is qualified in archaeology conduct the portions of the field work that he completed. Findings may be reported in the archaeological technical report requested in DR31.

Response: Jim Steely did not participate in the archaeological field survey. He was completing the historic survey concurrent with the author's archaeology survey.

BACKGROUND

The discussion of field survey findings includes the statement that the survey did not identify any significant cultural resources within the project area, on the proposed power plant location, the waste water treatment facility or the proposed transmission line. In addition, the discussion provided the information that nine possibly historic resources were recorded on DPR 523 forms. The discussion also stated that the Riverside Water Quality Control Plant was built in 1942. To complete an analysis, staff needs a thorough understanding of potential cultural resources in the area.

Data Request 32: Please provide copies of the cultural resources survey (technical) report(s) that document the field surveys conducted by the applicant for this project. These reports should be prepared following the portions of the Office of Historic Preservation guidelines for "Archaeological Resource Management Reports" that pertain to survey reports. The report should contain a copy of relevant portions of USGS quads at 1:24,000 scale showing the project site and all linear routes and identifying areas that were surveyed. Please also place the locations of all cultural resources, both historic and prehistoric, previously recorded and identified during surveys that are over 45 years of age on the map. Cultural resources that will be impacted by the project need to be evaluated and the evaluations or appropriate forms provided in the technical report(s). Necessary additional recording needs to be completed prior to exemption.

Response: The report submitted to Power Engineers was in the CEC submittal format and therefore a report explicitly following the ARMR guidelines does not exist. All the relevant information, however, is in the CEC submittal. A 1:24,000 scale map of the project area depicting all the surveyed areas as well as the recorded location of

resources older than 45 years is appended to this document. None of the resources will be directly impacted by the project. Indirect impacts are only a concern at two resources and recommendations to mitigate the effects to a less than significant level are included in the report.

Data Request 33: Page 170 references DPR 523 forms and a location map. These documents were not provided in Appendix 64-C as referenced. Please provide completed DPR 523 forms in an appendix to the report for cultural resources, identified as a result of the survey. Please include a DPR 523 form for the bedrock mortar that was identified at Riverside Water Quality Control Plant. Add another appendix to include resumes for cultural resources specialists that contributed to the report requested in DR 31.

Response: A miscommunication with our client, Power Engineers, resulted in the site records being left out because of the erroneous belief that the site locations were confidential and thus not to be included with the submittal. Resumes were also inadvertently left out. This has been corrected and the site records and resumes are attached.

Data Request 34: Please have an architectural historian or a specialist in industrial or architectural history or public history, conduct a survey of the potential project area and write a historic technical report. If the historian who participated in the cultural resources survey previously conducted for this project meets these requirements, then he may write the report. Please include the following information in the historic technical report requested above.

Response: SWCA Senior Historical Consultant James W. Steely meets the Secretary of the Interior's Standards for Professional Qualifications in the areas of history and architectural history. His public history career spans 27 years in cultural resource management (CRM), including 20 years in a state historic preservation office (SHPO), 14 years as Deputy SHPO, and seven years as a university lecturer in CRM at the graduate level. Mr. Steely specializes in Western U.S. settlement and transportation, including the engineering technologies of railroads, highways and bridges, and water and power systems. The full evaluation of the project includes a survey of the APE and a historical technical report.

Data Request 35: Please provide descriptions of buildings, features and structures around the project area that could be affected (directly or indirectly) by the proposed project. The survey may be limited to an area one property deep, unless there is an obvious potential historic resource, not within the specified one property limit that may be impacted.

Response: The full evaluation of the project includes a survey of the APE (generally considered one-property deep along each side of Jurupa Avenue, and within visual impact of previously recognized and designated properties treated as obvious and potential historic resources by NRHP criteria), and a discussion of direct and indirect impacts upon any identified properties 45 years of age and older.

Data Request 36: Please provide a characterization of the areas in the vicinity of the project and linears (how old, industrial, residential etc.).

Response: Following is a characterization of the areas in the vicinity of the power plant project and its linear transmission lines, from the west end of the project generally progressing east to its termination:

1. City of Riverside Water Quality Control Plant, a civic industrial complex that evolved into the 1990s around its original 1942 facilities, still intact but converted to office functions.
2. Post-WWII residential outlot development on Jurupa Avenue, exemplified by 7297 Jurupa, a c. 1960 Ranch Style home on a generous lot.
3. Post-WWII industrial development on Jurupa Avenue, exemplified by several late-20th century warehouse-type buildings clustered along the Union Pacific Railroad industrial spur that, from its origin on the railroad's mainline crossing of Jurupa, curves westerly in and out of proximity to Jurupa Avenue.
4. Post-WWII wholesale- and retail-business development on Jurupa Avenue, exemplified by 6091 Jurupa Avenue, a large Quonset Hut building with masonry front and rectilinear parapet.
5. Early 20th century residential development on the south side of Jurupa Avenue, originating with the adjacent railroad stop of "Jurupa" northwest of Riverside, exemplified by 1910s and 1920s Bungalow-era residences at 5876, 5868 and 5748 Jurupa Avenue and 6019 Florence Street.
6. Early 20th century agricultural operations along the north side of Jurupa Avenue, exemplified by the surviving 1910s barn in the 5000 block of Jurupa Avenue, now part of a light industrial business.

7. Early 20th century industrial and landscape development of the Santa Ana River basin, exemplified by Martha McLean-Anza Narrows Park entered at 5759 Jurupa Avenue, and the 1904 Union Pacific Railroad bridge in the park just north of the project area.
8. Late-20th century residential development of Riverside suburbs, exemplified by housing clustered along the west side of Sheppard Street between Jurupa and Mountain View Avenues, along the project's transmission lines to their termination at Sheppard and Mountain View.

Data Request 37: Record buildings, structures features etc. that may be greater than 45 years old on an unmodified Department of Parks and Recreation (DPR) Form 523 and provide a copy of that form. The recording may be limited to an area one property deep, unless there is an obvious feature recognized. For any properties that appear to be potentially eligible for either the California Register of Historic Resources (CRHR) or the National Register of Historic Places (NRHP), complete and record the evaluation portion of the form and provide a copy in your response.

Response: The full evaluation of the project includes a reconnaissance survey of the APE and a historical technical report, evaluating all properties 45 years of age or older on DPR Forms 523 with evaluations for the California Register of Historic Resources (CRHR) and the National Register of Historic Places (NRHP).

Data Request 38: Please describe the location for the reclaimed water line tie in. If the water line will tie into the portion of the Riverside Water Quality Control Plant that was built in 1942, please evaluate this cultural resource for eligibility to the CRHR and provide the information in the historic resources technical report.

Response: According to Power Engineers, the water line tie in will not tie into the portion of the Riverside Water Quality Control Plant that was built in 1942. Therefore, evaluation of the plant is deemed unnecessary. However, the resource was formally recorded on DPR Form 523.

BACKGROUND

In certain situations, projects need to complete geotechnical borings to examine soils

below the surface of the project.

Data Request 39: If geotechnical borings are necessary for this project, please have an archaeologist examine soils excavated as a result of geotechnical surveys or boring for evidence of human occupation. provide a report that discusses the findings of the examination, and if necessary, provide recommendations for mitigation.

Response: According to Power Engineers, and this was also discussed in the Data Request Workshop, geotechnical borings were excavated prior to the initiation of cultural resource survey and no additional preliminary excavation is planned.

BACKGROUND

In order for staff to adequately assess the potential for impacts to cultural resources, more information on the construction methods to be used for the project is necessary.

Data Request 40: Please provide a discussion of the construction methods to be used for installing the water and gas pipelines necessary for the project. If trenching will be used, what will be the width and depth of the trenches? What sort of equipment will be used?

Response: The pipe trenching will be by backhoes or other similar equipment like trenchers. There will be little disruption to areas outside the site perimeter. Those areas would be: 1) on the northeast side of the site - a short line to tie to the Sempra gas meter; 2) on the southwest side of the site – lines to tie into the utilities at the wastewater treatment plant. These trenches would be about four feet deep and varying widths from approximately two to approximately four feet. Within the site perimeter there will be a number of trenches mostly around the combustion turbine skids and in the general area west of the combustion turbines for pipe and electrical conduits. The trenches will vary in depth from approximately three feet to approximately eight feet. The widths will vary and will be determined during the plant design.

All excavations and trenching will be properly sloped and reinforced to OSHA requirements for personnel protection. Backfill and compaction will meet the requirements of the specification and geotechnical report.

Data Request 41: Please provide a discussion of the construction methods to be used for installing the electrical transmission lines and transmission line poles. Please provide a discussion of potential ground disturbance that may result from power pole installation.

Response: The transmission line will be constructed by using auger type diggers and mobile cranes for setting the poles with soil compaction after installation. (size, height and material of poles to be determined during final design and size of excavation will be determined at that time) Bucket trucks, high reaches and tensioning equipment will be used for stringing the lines.

SWCA
ENVIRONMENTAL CONSULTANTS

PATRICK O. MAXON, M.A., RPA
Program Director – Cultural Resources

EDUCATION

- *M.A. Anthropology, California State University, Fullerton*
- *B.A., Psychology/Sociology, Towson State University, Towson, Maryland*

EXPERTISE

- *Cultural Resource Management*
- *Southern California culture area prehistory*
- *NHPA Section 106 and CEQA regulatory compliance*

SELECTED PROJECTS

- *Riverside Energy Center, Riverside, California, Power Engineers*
- *Parker-Blythe #1 161-kV Transmission Line Pole Replacement Project, Western Area Power Administration, California and Arizona*
- *Saddleback Meadows Data Recovery Excavation, CA-ORA-711, Orange County, California*
- *Talega Associates Development, CA-ORA-907, San Clemente, California*
- *Dayton Canyon Estates Data Recovery Excavation, CA-LAN-254, Chatsworth, California*
- *ACES Project, Aliso and Wood Canyon Wilderness Park, Orange County, California*
- *Long Canyon Development Project, Simi Valley, California*

Mr. Maxon is the Cultural Resources Program Director for SWCA in the Los Angeles area office. With ten years of experience in cultural resources management, seven at a supervisory level, he has experience in all aspects of cultural resource management. As an archaeologist certified by the Register of Professional Archaeologists, the County of Orange Environmental Management Agency, and all southern California counties requiring such certification, he has worked across southern California.

Mr. Maxon has participated in more than 150 projects, including reconnaissance, testing, data recovery, monitoring, site recording, site protection/preservation, mapping, archival research, laboratory analysis and report production. He is trained in the use of surveyor's transit. Mr. Maxon has also received substantial training, attending classes and workshops in federal (NEPA, NHPA) and state (CEQA) cultural resources regulations.

Presently, he is working on a number of projects that are being reviewed by the U.S. Army Corps of Engineers, requiring permits under Section 404 of the Clean Water Act. These projects, requiring Section 106 (NHPA) review, consist of: agency, client, Native American and subcontractor coordination, development of treatment plans and research designs, site testing, data recovery excavation, site protection, reinterment of human remains, laboratory analysis and report production. His research for one such site resulted in the presentation, "The Circle of Life in Dayton Canyon: Excavations at CA-LAN-254, Los Angeles County, California" at the 68th Annual Meeting of the Society for American Archaeology, Milwaukee Wisconsin

Currently, his job responsibilities include marketing, proposal writing, budget preparation project development, project logistics and management, production of technical reports, and interviewing, hiring and managing staff.

As the cultural resources program director, through marketing SWCA's name and providing excellent service on projects, Mr. Maxon continues to develop key relationships with government agency officials, private sector clients and peers in the cultural resources profession.

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JAMES W. STEELY
Historic Properties Program Manager / Senior Historian

EDUCATION

M.S., Architectural Studies,
University of Texas at Austin, 1985

TECHNICAL SPECIALTIES

History of the built environment:

- Settlement and development in the Southwest, particularly through transportation, military, industry, engineering and architecture;
- 20th-century politics affecting public works of local, state and federal origins;
- World War II Home Front in military training and public response;
- Post-WWII urban and rural development, and Cold War installations.

Compliance for historic properties:

- National Historic Preservation Act (NHPA) of 1966, as amended;
- Sections 106 and 110 of NHPA;
- National Environmental Policy Act (NEPA) of 1969;
- Section 4(f) of U.S. Department of Transportation Rules
- Local historic preservation ordinances.

Research products and graduate-level instruction:

- Nominations to the National Register of Historic Places;
- Nominations for National Historic Landmark status;
- Applications for Official State Historical Markers;
- Documentation of Cultural Landscapes;
- Preservation plans.

PROFESSIONAL ORGANIZATIONS / CONTINUING EDUCATION

National Trust for Historic Preservation,
Forum member
Society of Architectural Historians,
corporate member
Buildings of the United States: Texas
co-author and advisor
National New Deal Preservation Association,
board member, Vice President
H-Texas Internet List Serve,
Advisory Board member
Historic Bridge Foundation,
Advisory Board member
Preservation Texas, member
Austin Heritage Society, Board member
Amigos of the Goliad State Park,
Advisory Board member

Section 106 workshops (latest update 1999)
NEPA workshops (latest update 2001)

EMPLOYMENT HISTORY

Senior Historian
SWCA Environmental Consultants
2003-Present

Historic Properties Program Manager and Senior Historian, Hicks & Company, Austin, Texas, from January 2001

Lecturer, University of Texas at Austin, School of Architecture, 1996-2002

Texas Historical Commission, 1985-2000:
Deputy State Historic Preservation Officer, Chief Historian, and Project Coordinator of *Texas Cultural Heritage Plan: A Report and Recommendations from the THC on the 1998 Evaluation of Historic Sites Managed by the Texas Parks & Wildlife Department*, 1999.

RECENT PUBLICATIONS

Parks For Texas: Enduring Landscapes of the New Deal, University of Texas Press, 1999

National Historic Landmark analysis for Platt District, Chickasaw Nat'l Recreation Area, 1999

Guided With A Steady Hand: The Cultural Landscape of a Rural Texas Park (co-author), Baylor University Press, 1998

A Guide to Hispanic Texas, Including Art, Culture, Fiestas, Sites and Structures (contributing author), UT Press, 1992

PROJECT EXPERIENCE

State Highway 130, IH 35 bypass, 90 mile design/build from Georgetown, Texas, south to Seguin, TxDoT Austin District – Historic-properties survey and report on more than 100 properties, including methodology based on property types, historic contexts, significance, and integrity. National Register eligibility recommendations made in compliance with Section 106. *Document accepted by FHWA, 6 June 2001, and contract work begins in August 2002 to complete mitigation and monitoring for Design/Build consortium.*

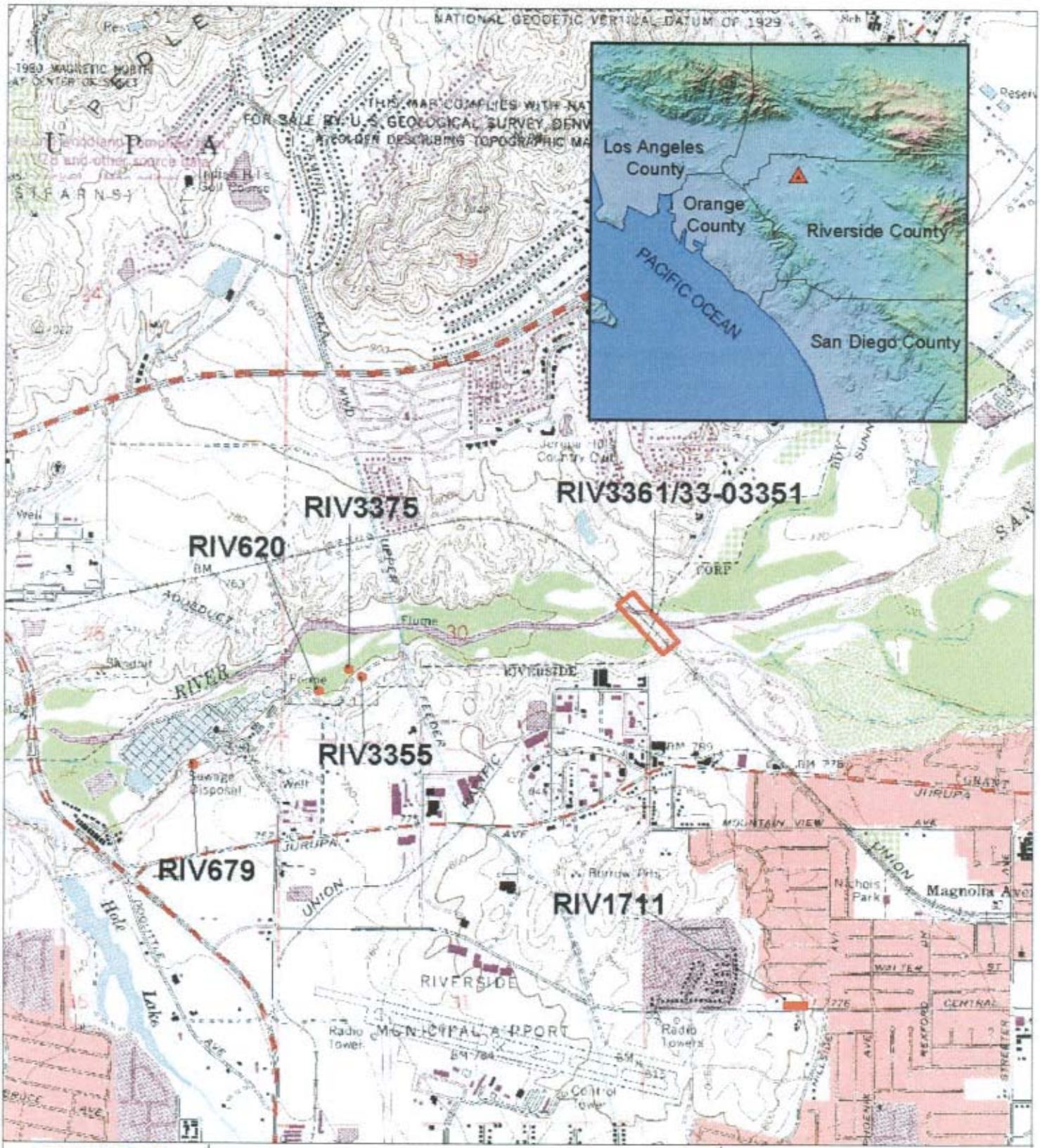
Project Pegasus, Dallas - Alternatives Analysis and Environmental Assessment for the IH 35E and IH 30 Canyon, Mixmaster and Lower Stemmons Freeways in Downtown Dallas.

President George Bush Turnpike, Dallas County – Investment Study / Environmental Impact Statement for 10-mile eastern extension of the turnpike in Dallas County for TxDOT Dallas District, North Texas Tollway Authority. Historic Properties compliance included 4(f) documentation and mitigation with SHPO.

Ports-to-Plains Feasibility Study – Feasibility study requiring preliminary assessment of environmental impacts for 14 alternative alignments traversing the states of Texas, Colorado, New Mexico, and Oklahoma. Overview of historic properties impacts based on state and national registers research.

Chinati Hot Springs, Presidio County, Texas – Accepted proposal to document springs, drainage, and built resources as a cultural landscape, and to nominate as a rural historic district to the National Register of Historic Places.

Interstate Highway 69, Five Planning Segments from the Lower Rio Grande Valley to Shreveport, Louisiana – Scopes of work and budgets for historic properties compliance on this design/build segment of project NAFTA highway central U.S. transportation corridor. Planning project expected to commence in late 2002.



SWCA ENVIRONMENTAL CONSULTANTS

Map Source: USGS 7.5' Quad RIVERSIDE WEST

N

0 2000 feet

0 500 meter

1:24,000

Previously Recorded Sites

Project Location

Riverside Energy Project

Figure 2. Previously Recorded Sites

7480-109

SWCA ENVIRONMENTAL CONSULTANTS

Map Source: USGS 7.5' Quad: RIVERSIDE WEST

Riverside Energy Project

Figure 1. Survey Area

7480-109

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

PRIMARY RECORD

Primary #
HRI #
Trinomial
NRHP Status Code

Other Listings
Review Code | Reviewer | Date

Page 1 of 2

*Resource Name or #: Waste Water Treatment Plant Bedrock Mortar Site (WWTP-1)

P1. Other Identifier:

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

***a. County:** Riverside **and** (P2b and P2c or P2d. Attach a Location Map as necessary.)

***b USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**

c. Address: Acorn Street City: Riverside, California Zip: 92504

d. UTM: Zone: 11; 457298 mE/ 3757837 mN (G.P.S.)

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

Site is on City of Riverside's Waste Water Treatment Plant property located at the north terminus of Acorn Street, along Santa Ana River. The site is part of a bedrock outcropping enclosed by fencing on the southwestern portion of the treatment plant property.

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

Granite boulder outcropping with three bedrock mortars visble on the surfaces of two boulders. Two bedrock mortars are located on the surface of a large boulder with a low flat surface. The other bedrock mortar is located on an adjacent boulder that is smaller but similarly low lying. Larger boulders are also a part of the outcropping but have no cultural features. No associated surface artifacts were observed.

***P3b. Resource Attributes:** (List attributes and codes) AP4

***P4. Resources Present:** ☐Building ☐Structure ☐Object **X** 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 #) View facing east of bedrock mortar site, 22 December 2003.

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

***P7. Owner and Address:**

City of Riverside
3460 Orange Street, CA 92501

***P8. Recorded by:** (Name, affiliation, and address)
Patrick Maxon/Peter Paige
SWCA Environmental Consultants
23392 Madero, Suite L
Mission Viejo, CA 92691
(949) 770-8042

***P9. Date Recorded:**
22 December 2003

***P10. Survey Type:** (Describe) Reconnassiance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
"Treatment Facility History" provided by facility employees Ernie Meloy and Karen Conner.

***Attachments:** ☐NONE **X** 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**

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

LOCATION MAP

Primary #
HRI#
Trinomial

*Resource Name or #: Waste Water Treatment Plant Bedrock Mortar Site (WWTP-1)

*Map Name: Riverside West, California (20ft Contour)

*Scale: 1:24,000

*Date of Map: 1967

*Required information

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

Primary # 33-13252
HRI#
Trinomial
NRHP Status Code
Other Listings
Review Code Reviewer Date

 ***Resource Name or #:** (Assigned by Recorder): **Wastewater Treatment Plant**

P1. Other Identifier: Riverside Water Quality Control Plant
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: Acorn St. City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ;_m E/_m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
Facility is at north terminus of Acorn Street, along Santa Ana River, and adjacent to planned Co-generation power plant that will utilize methane gas from wastewater treatment process.

***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
Wastewater treatment plant including office and maintenance buildings, plus associated "primary clarifiers" and "digesters" of one fixed-dome and one floating dome ("trickling filters" removed c. five years ago) all originally constructed in 1942. The buildings (office and maintenance under one roof system; separate building for garage and storage) are of cast-concrete-and-brick (now painted pink) structure and walls with red barrel-tile roofs, and present a residential-scale Moderne/Spanish Colonial amalgam of details. Clarifier fields and digester tanks are fabricated of concrete and steel. Landscaping includes grass lawns, mature shrubbery (one poinsettia as tall as the one-story building), and mature fan palms. Alterations occurred (sympathetic bay-extending additions, window infills with brick, new exterior doors, earth infill of chlorine mixing basins, exterior paint) with capacity expansions based on the city's periodic growth episodes (including conversion of the digester silos to shop and storage areas) and the 1942 facilities are now surrounded by later and much larger facilities; nevertheless the original plant is remarkably intact and well maintained.

***P3b. Resource Attributes:** (List attributes and codes) HP9
***P4. Resources Present:** [X] Building [X] Structure [ ] Object [ ] Site [ ] District [ ] Element of District [ ] Other (Isolates etc.)

 *Resource Name or #: (Assigned by Recorder): Wastewater Treatment Plant

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

P5b. Description of Photo: (View, date, accession #)
1942 Wastewater Treatment Plant Office and Maintenance Building, Garage at right, camera facing north, 22 December 2003.

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both
1942, with alterations, verified by office records

***P7. Owner and Address:** Public, City of Riverside, 3460 Orange Street, 92501

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
"Treatment Facility History" provided by facility employees Ernie Meloy and Karen Conner.

***Attachments:** [ ] NONE [X] 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
PRIMARY RECORD

Primary # 33-13253
HRI#
Trinomial
NRHP Status Code
Other Listings
Review Code Reviewer Date

Page 1 of 3 ***Resource Name or #:** (Assigned by Recorder): **Residence at 7297 Jurupa Ave.**

P1. Other Identifier:
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: 7297 Jurupa Ave. City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ; m E/ m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
NE corner of intersection of Jurupa Avenue and Acorn Street
***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
One-story Ranch Style home under low hipped roof with Wrightian gable vents. Exterior materials are red brick wainscot at front (south) elevation and tan stuccoed walls, composition roof. Windows are horizontal sliding sash and one "Chicago" picture window centered at front. Single attached garage bay at right of entry door on front elevation. House is in good condition and appears to be among the last from a period when Jurupa Road hosted modest residences on large vegetated lots in this area.

***P3b. Resource Attributes:** (List attributes and codes) HP2
***P4. Resources Present:** [X] Building [ ] Structure [ ] Object [ ] Site [ ] District [ ] Element of District [ ] Other (Isolates etc.)

 *Resource Name or #: (Assigned by Recorder): **Residence at 7297 Jurupa Ave.**

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

P5b. Description of Photo: (View, date, accession #)
Residence at 7297 Jurupa Avenue, camera facing northeast, 22 December 2003.

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both
c. 1960

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

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
None.

***Attachments:** [ ] NONE [X] 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
PRIMARY RECORD

Primary # 33-13254
HRI# _____
Trinomial

NRHP Status Code
Other Listings _____
Review Code _____ Reviewer _____ Date

Page 1 of 3 ***Resource Name or #: "Kendall's" Commercial Building at 6091 Jurupa Ave.**

P1. Other Identifier:
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: 6091 Jurupa Ave. City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ; m E/ m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
NE corner of Jurupa Avenue and Fremont Street
***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
Large 1.5-story Quonset hut configuration (standard prefabricated curved steel structural members covered with corrugated metal skin, sheet-metal vents along roof center) with buttressed-brick storefront façade (south) facing Jurupa Avenue. Good condition with fixed-glass replacement windows, in a post-World War II light industrial area.

***P3b. Resource Attributes:** (List attributes and codes) HP6
***P4. Resources Present:** [X] 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 #)
South-facing commercial façade, camera facing northeast, 22 December 2003.

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both ca. 1950

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

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
None.

***Attachments:** [ ] NONE [X] 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
PRIMARY RECORD

Primary # 33-13261
HRI# _____
Trinomial

NRHP Status Code
Other Listings _____
Review Code _____ Reviewer _____ Date

Page 1 of 3 ***Resource Name or #:** (Assigned by Recorder): **Residence at 5876 Jurupa Ave.**

P1. Other Identifier:
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: 5876 Jurupa Ave. City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ; m E/ m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
South side of Jurupa, second lot west of intersection with Florence Street.
***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
One-story frame side-gabled California Bungalow with full-width front porch supported by corner brick columns and battered-wood caps, symmetrical fenestration of central entry door flanked by "Chicago" windows (center fixed pane of each topped by transom of x-pattern panes, central gabled dormer on composition-shingle roof, knee-brace brackets at all eaves, exterior red-brick chimneys flanking both sides. Good condition with few alterations (new front door, concrete porch), considerable landscape clutter on single urban residential lot.

***P3b. Resource Attributes:** (List attributes and codes) HP2
***P4. Resources Present:** [X] Building [ ] Structure [ ] Object [ ] Site [ ] District [ ] Element of District [ ] Other (Isolates etc.)

 *Resource Name or #: (Assigned by Recorder): **Residence at 5876 Jurupa Avenue**

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

P5b. Description of Photo: (View, date, accession #)
Bungalow at 5876 Jurupa north façade, camera facing southeast, 22 December 2003.

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both
1914, Riverside Historic Resource Property Information Database

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

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
City of Riverside Historic Resource Property Information Database.

***Attachments:** [ ] NONE [X] 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
PRIMARY RECORD

Primary # 33-13257
HRI#
Trinomial

NRHP Status Code
Other Listings
Review Code Reviewer Date

Page 1 of 3 ***Resource Name or #:** (Assigned by Recorder): **Residence at 5868 Jurupa Ave.**

P1. Other Identifier:
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: 5868 Jurupa Ave. City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ; m E/ m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
Southwest corner of Jurupa at intersection with Florence Street.
***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
One-story frame front-gabled California Bungalow with extended gabled bay (now infilled porch) creating asymmetrical façade, decorative gable-end attic vents under composition shingled roof, knee-brace brackets, exterior perhaps covered with new siding of #119 washboard pattern. Altered condition (porch infill, new front door, replacement windows not of original size), on single urban residential lot.

***P3b. Resource Attributes:** (List attributes and codes) HP2
***P4. Resources Present:** [X] Building [ ] Structure [ ] Object [ ] Site [ ] District [ ] Element of District [ ] Other (Isolates etc.)

 *Resource Name or #: (Assigned by Recorder): **Residence at 5868 Jurupa Ave.**

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

P5b. Description of Photo: (View, date, accession #)
Bungalow at 5868 Jurupa Avenue north-facing façade, camera facing south, 22 December 2003.

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both
1923, Riverside Historic Resource Property Information

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

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
City of Riverside Historic Resource Property Information

***Attachments:** [ ] NONE [X] 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
PRIMARY RECORD

Primary # 33-13258
HRI# _____
Trinomial

NRHP Status Code
Other Listings _____
Review Code ____ Reviewer ____ Date ____

 ***Resource Name or #:** (Assigned by Recorder): **Residence at 6019 Florence Street**

P1. Other Identifier:
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: 6019 Florence Street City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ; m E/ m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
First east-facing lot, west side on Florence south of Jurupa.
***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
One-story frame pyramidal-roof "One-Story Foursquare" (identified as "California Bungalow" in City of Riverside survey) with full-width front (east) porch supported by four slender modified Doric columns, central entry door flanked by 1-over-1 sash windows, stuccoed exterior walls, high-pitched composition-shingle roof and small centered hipped dormer.

***P3b. Resource Attributes:** (List attributes and codes) HP2
***P4. Resources Present:** [X] Building [ ] Structure [ ] Object [ ] Site [ ] District [ ] Element of District [ ] Other (Isolates etc.)

 *Resource Name or #: (Assigned by Recorder): **Residence at 6019 Florence Street**

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

P5b. Description of Photo: (View, date, accession #)
Residence at 6019 Florence Street east-facing façade, camera facing southwest, 22 December 2003.

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both
1915, Riverside Historic Resource Property Information

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

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
City of Riverside Historic Resource Property Info

***Attachments:** [ ] NONE [X] 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
PRIMARY RECORD

Primary # 33-13259
HRI#
Trinomial

NRHP Status Code
Other Listings
Review Code Reviewer Date

***Resource Name or #: Barn at 5000+ block of Jurupa Ave.**

P1. Other Identifier:
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: Jurupa Ave. City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ;_m E/_m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
Barn now in light industrial property on north side of Jurupa Avenue, west of UP Railroad
***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
2-story frame barn with central east-west axis and main door facing east under round (half-circle) gable. New siding covers sides and end/gable, but angle-pattern sheet-metal shingles appear to be original as major defining feature. If this is indeed a former agricultural building on its original site, its setting has changed considerably from rural to industrial.

***P3b. Resource Attributes:** (List attributes and codes) HP4, HP33
***P4. Resources Present:** [X] 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 #)
Former barn in 5000+ block of Jurupa, camera facing northwest, 22 December 2003

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both
c. 1910

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

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
None.

***Attachments:** [ ] NONE [X] 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
PRIMARY RECORD

Primary # 33-13255
HRI#
Trinomial

NRHP Status Code
Other Listings
Review Code Reviewer Date

 ***Resource Name or #:** (Assigned by Recorder): **Residence at 5748 Jurupa Ave.**

P1. Other Identifier:
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: 5748 Jurupa Ave. City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ; m E/ m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
First lot east of Union Pacific Railroad crossing of Jurupa Avenue, south side
***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
One-story frame bungalow (small 'b') with modest Spanish-Pueblo Revival details (textured stucco exterior, flat roof with red-tile parapet copings), decorative trefoil vent in centered triangular parapet accent. Alterations include new aluminum-frame window units.

***P3b. Resource Attributes:** (List attributes and codes) HP2
***P4. Resources Present:** [X] Building [ ] Structure [ ] Object [ ] Site [ ] District [ ] Element of District [ ] Other (Isolates etc.)

 *Resource Name or #: (Assigned by Recorder): **Residence at 5748 Jurupa Ave.**

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

P5b. Description of Photo: (View, date, accession #)
Residence at 5748 Jurupa Avenue north-facing façade, camera facing southwest, 22 December 2003.

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both
c. 1925, Riverside Historic Resource Property Information

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

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
City of Riverside Historic Resource Property Info

***Attachments:** [ ] NONE [X] 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
PRIMARY RECORD

Primary # 33-13256
HRI# _____
Trinomial

NRHP Status Code
Other Listings _____
Review Code _____ Reviewer _____ Date _____

 ***Resource Name or #: Martha McLean – Anza Narrows Park**

P1. Other Identifier:
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: 5759 Jurupa Ave. City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ; m E/ m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
Entry on north side of Jurupa immediately east of UP Railroad crossing, property runs from Jurupa north to Santa Ana River, including trail under 1904 UP Railroad bridge (Page 10)

***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
This "Romantic Movement" park preserves and offers passive recreation opportunities along the rolling grounds of the Santa Ana River basin centered on Anza Narrows, a traditional crossing of the river. Entry gates to the park on Jurupa Avenue reflect Rustic Style design popular in late 19th to mid 20th century public parks, but could be well-executed recent construction. In the park on a bluff looking north over the Santa Ana River basin, a 1939 cast-metal marker, mounted on a low stone cairn, commemorates the de Anza Trail that brought a Spanish mapping expedition in 1774 from Tubac, Arizona, to San Francisco across this ford on the river. The park appears to have been established at least as early as the 1930s, with various improvements such as paved roads and trails, playground equipment and picnic facilities added through the late 20th century. Its condition is generally good, but its evolution from original designs and facilities to the present appearance should be investigated.

***P3b. Resource Attributes:** (List attributes and codes) HP29, HP30, HP35(?), HP 37, HP26

***P4. Resources Present:** [ ] Building [X] Structure [X] Object [X] Site [ ] District [ ] Element of District [ ] Other (Isolates etc.)

 *Resource Name or #: Martha McLean – Anza Narrows Park

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

P5b. Description of Photo: (View, date, accession #)
Entry from Jurupa Avenue into park, camera facing southwest, 22 December 2003

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

P5b. Description of Photo: (View, date, accession #)
De Anza Trail marker (1904 bridge in background), camera facing north, 22 December 2003

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both
c. 1935, 1939

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

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
http://www.nps.gov/juba/, Juan Bautista de Anza National Historical Trail Website.

***Attachments:** [ ] NONE [X] 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
PRIMARY RECORD

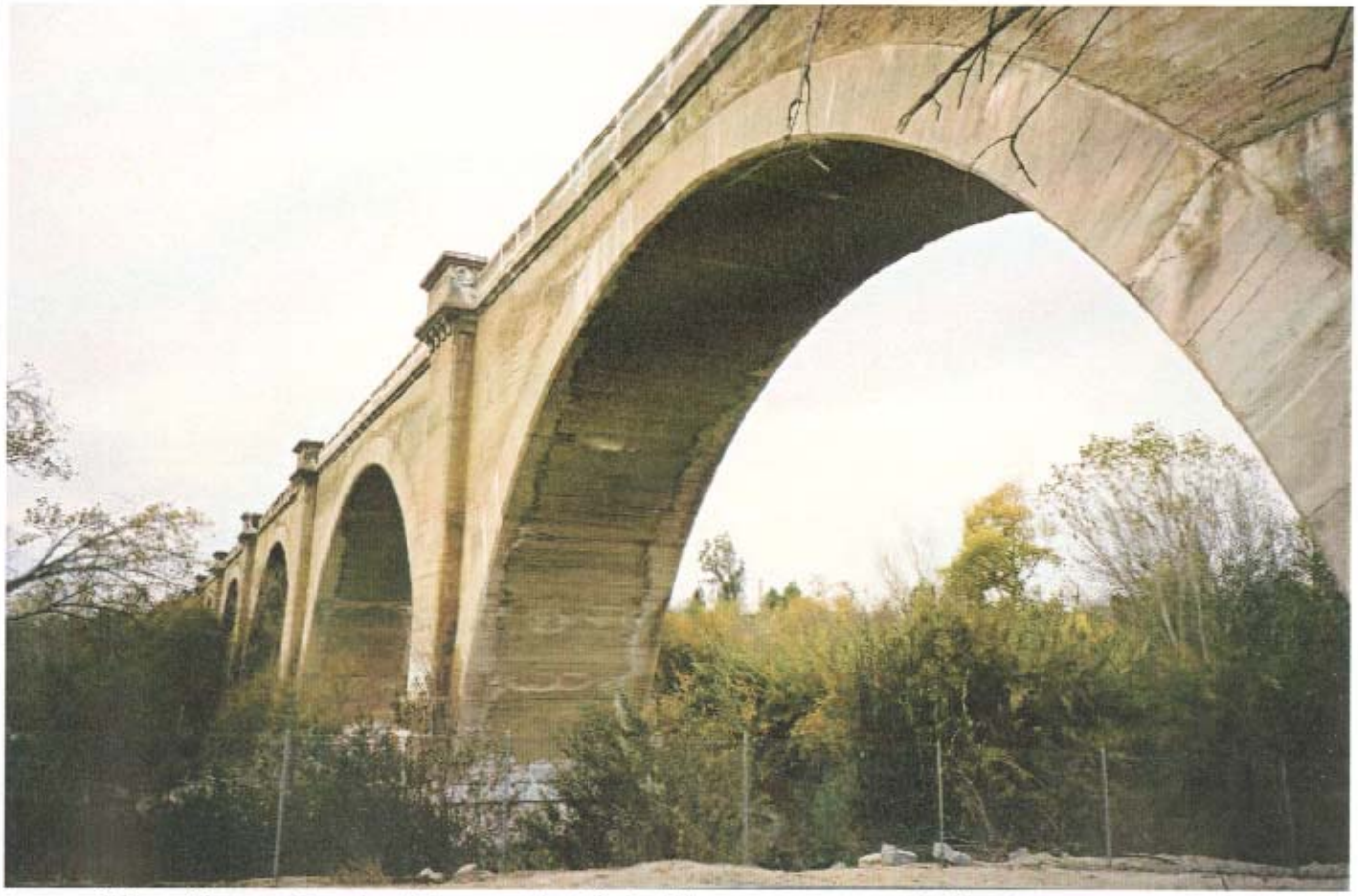
Primary # 33-13260
HRI#
Trinomial CA-RIV-3361H

NRHP Status Code
Other Listings HAER Report #CAL, 33- RIVSI.V; aka #CA-123
Review Code Reviewer Date

 ***Resource Name or #: Union Pacific Railroad Bridge over Santa Ana River**

P1. Other Identifier:
***P2. Location: [ ] Not for Publication [X] Unrestricted**
***P2a. County:** Riverside
***P2b. USGS 7.5' Quad:** Riverside West, Calif. **Date:** 1967; Photorevised 1980. San Bernardino **B.M.**
P2c. Address: Santa Ana River City: Riverside, CA Zip: 92504
P2d. UTM: (Give more than one for large and/or linear resources) Zone __ ; m E/ m N
P2e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate)
Bridge is on Union Pacific/Metrolink mainline five miles northwest of Riverside, directly northwest of the intersection of railroad and Jurupa Avenue, across the Santa Ana River in Martha McLain - De Anza Narrows Park
***P3a. Description:** (Include design, materials, condition, alterations, size, setting and boundaries)
Concrete viaduct of 10 round-arch spans carrying the single-track Union Pacific Railroad and Metrolink commuter rail (built by San Pedro, Los Angeles & Salt Lake Railroad) across the Santa Ana River basin near Anza Narrows on the river. The viaduct is 984 feet long, 17 feet wide, 55 feet at highest point, eight arches are 86 feet across and the two approach arches are 36.9 feet across. Its concrete formwork created subtle details in arch bordering, balustrade molding, and curvilinear brackets on certain piers. It was labeled the largest concrete structure in the world upon completion in 1904; it is in excellent condition and still performs its original purpose 100 years after construction.

***P3b. Resource Attributes:** (List attributes and codes) HP19
***P4. Resources Present:** [ ] Building [X] 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 #)
#2 arch from south in foreground, camera facing north, 22 December 2003

***P6. Date constructed/Age and Sources:** [X] Historic [ ] Prehistoric [ ] Both. 1904

***P7. Owner and Address:** Private/Public (?)

***P8. Recorded by:** (Name, affiliation and address) SWCA Environmental Consultants, 23392 Madero, Suite L, Mission Viejo, CA 92691, (949) 770-8042

***P9. Date Recorded:** 22 December 2003

***P10. Survey Type:** (Describe) Reconnaissance

***P11. Report Citation:** (Cite survey report and other sources, or enter "none.")
Historic American Engineering Record, HAER No. CA 123, HAER CAL 33-RIVSI.V, 1991;
Edward Leo Lyman, "From The City of Angels to the City of Saints: The Struggle to Build A Railroad from Los Angeles to Salt Lake City", http://www.wcmweb.com/arduous-road/build_railroad.html

***Attachments:** [ ] NONE [X] 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)