



APPENDIX 11.3

Cultural Resources Data

McKenna et al.

History/Archaeology/Architecture/Paleontology

Jeanette A. McKenna, M.A.
Owner and Principal Investigator
Reg. Professional Archaeologist

October 23, 2002

UCR Office of Design & Construction
Attn: Tricia Thrasher/Denise Torchia
3615A Canyon Crest Drive
Riverside, California 92507

RE: TES Expansion & Satellite Plant Monitoring Program (McKenna et al. Job No. 02.676; UCR Project No. 950452).

Ms. Thrasher/Ms. Torchia:

McKenna et al. has completed the archaeological/paleontological monitoring program for the TES Expansion & Satellite Plant program at the UCR campus. This project was initiated with the Phase I cultural resources and paleontological overview completed in November of 2001 and the subsequent archaeological/paleontological monitoring of the tank site and associated pipeline(s) completed in March of 2002. Although neither of the earlier phases resulted in the identification of cultural or paleontological resources, the area of the proposed chiller plant was considered relatively sensitive for such resources, as the nearby properties have yielded cultural remains in the past (e.g. the Islander Park area).

This final phase of the project emphasized the properties associated with the trailers located to the north of the Computing and Communications Services building (which included the site of the archaeological laboratory). The archaeological/paleontological monitoring was completed by Ahab Afifi, M.A., under the supervision of Jeanette A. McKenna, Principal Investigator for McKenna et al.

The nature of the activities at the archaeological laboratory placed the project area in a context of yielding materials and/or artifacts that suggested prehistoric activities but actually represented the recent production of replicas (by students and professors) during training periods. Therefore, materials that might be recovered from the site were presumed to be from a disturbed context and not an archaeological context (until proven otherwise).

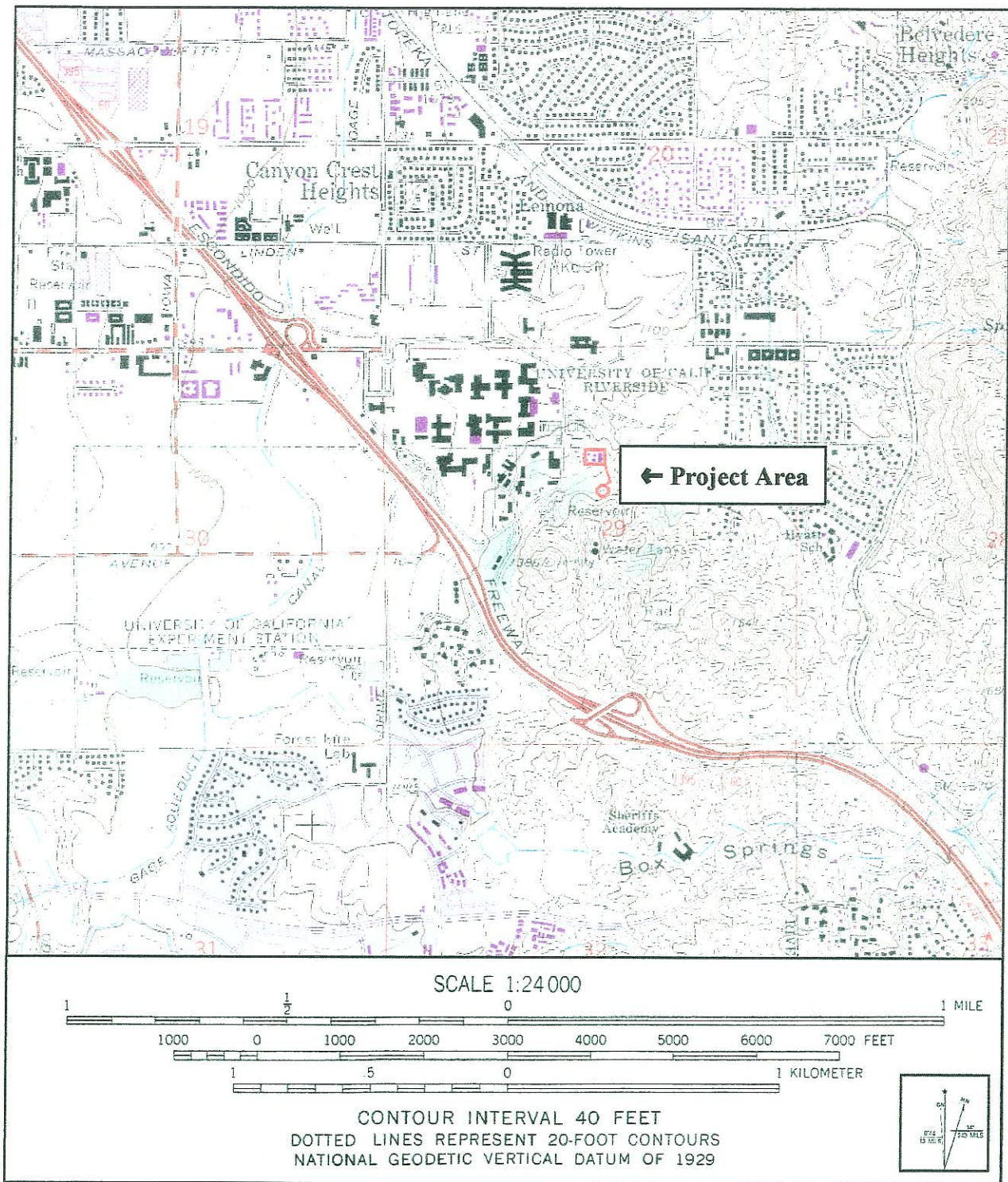
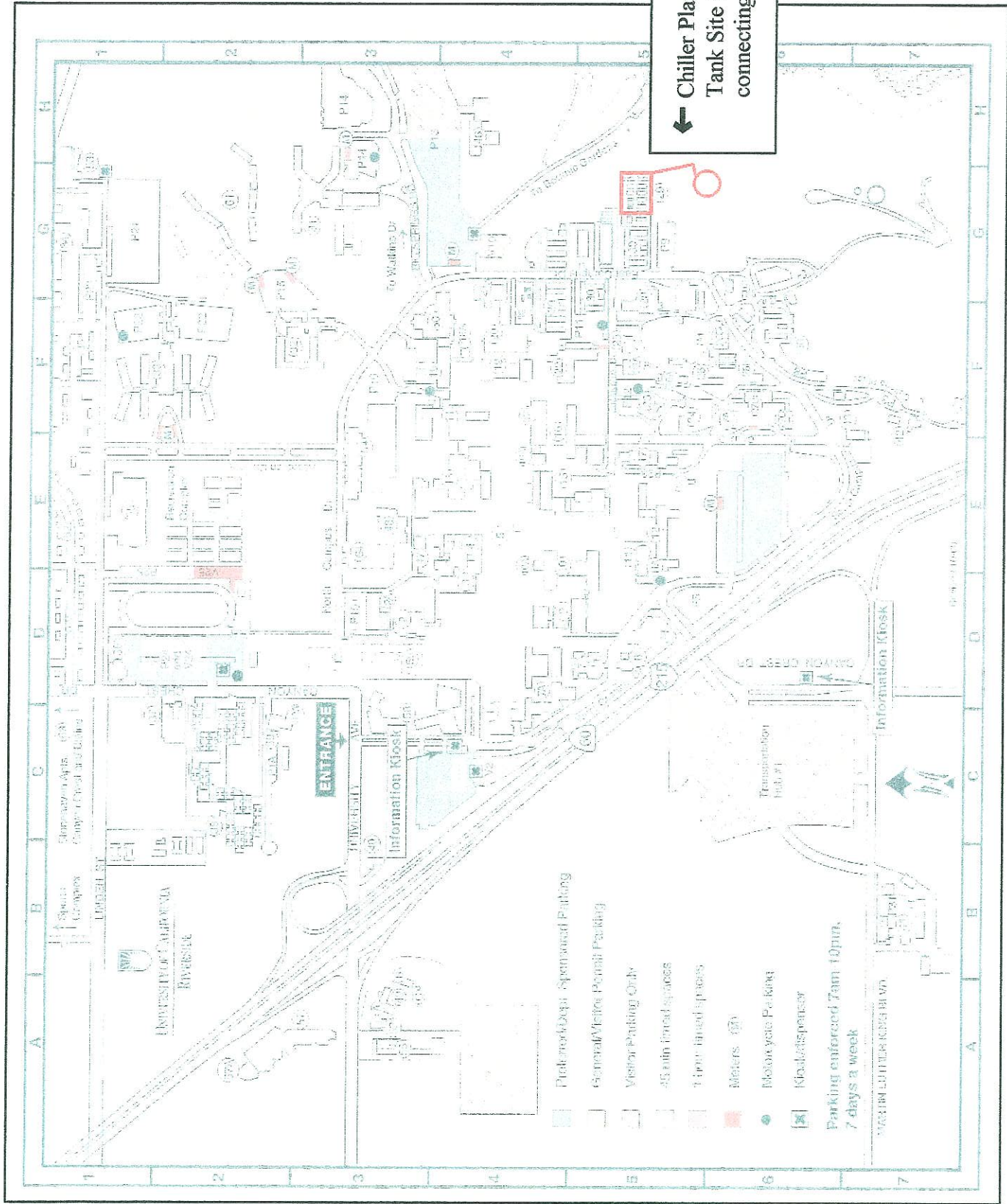


Figure 1. Location of the Monitoring Program (Tank and Chiller Plant with Associated Pipeline Alignment; USGS Riverside East Quadrangle).



← Chiller Plant and Tank Site (with connecting pipeline)

Figure 2.

UCR Tank and Chiller Plant Site at UCR Campus.

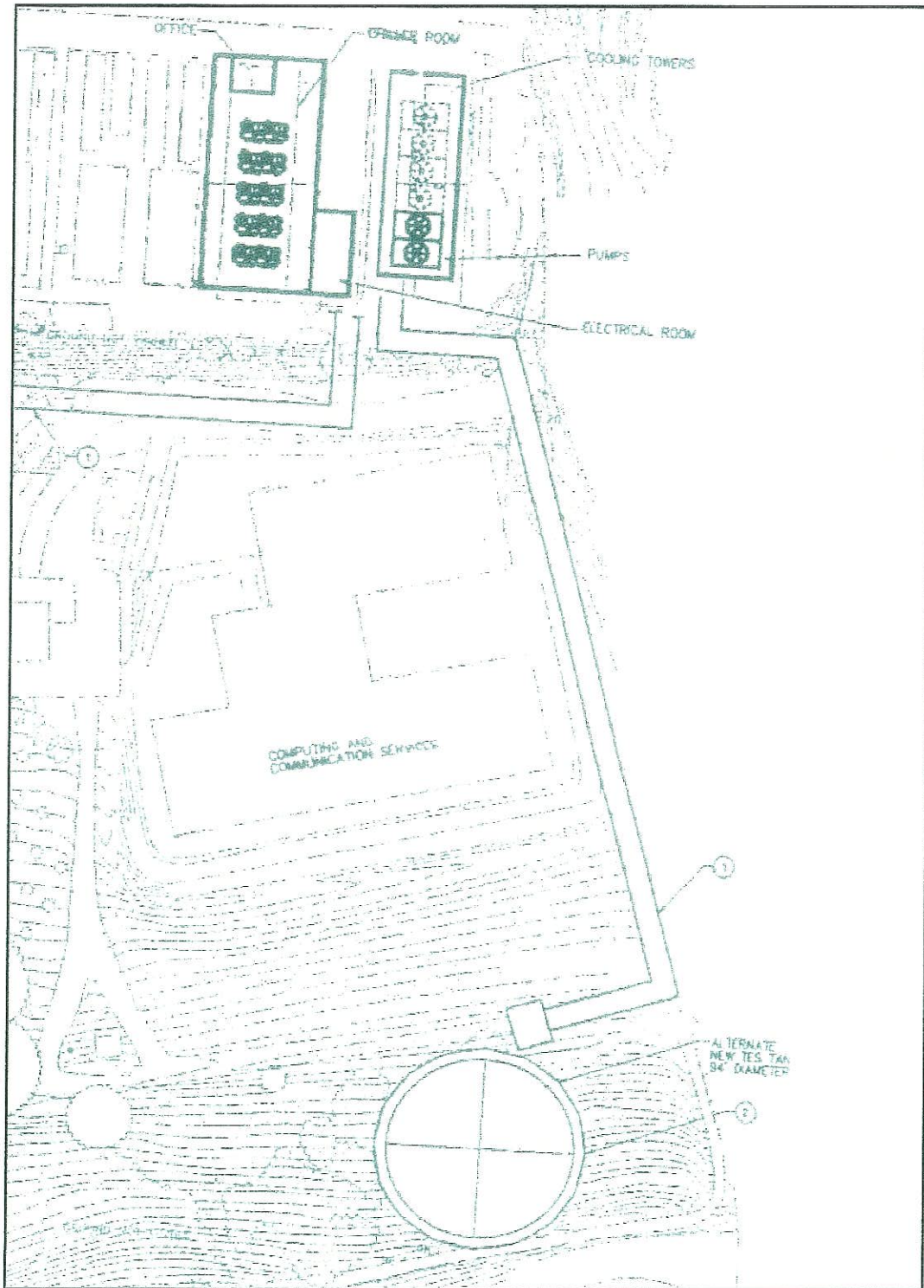


Figure 3. Plan for Tank and Chiller Plant with Associated Pipeline Alignment.

The excavations for the chiller plant were relatively shallow and were confined to the first meter of soil (approximately 3 feet). There was no major over-excavations and no fill soils were brought onto the site. The area of excavations was relatively small, requiring limited equipment. Utilities were placed in a subsurface context (electric and water). Trees on the periphery of the site area were left in place.

As a result of the recent monitoring (8 days), no evidence of prehistoric or historic cultural resources and no evidence of paleontological resources was identified. Therefore, the excavations for the chiller plant resulted in no adverse impacts to cultural or paleontological resources and no further studies are warranted with respect to this project.

No materials were recovered and, therefore, no analysis or curation is necessary. This brief report represents the required documentation for the monitoring program. A photographic record and required maps are included with this report and McKenna et al. will insure that a copy of this document is filed with the University of California, Riverside, Eastern information Center, as required for CEQA compliance.

If you have any questions, please feel free to call at your convenience.

Sincerely,



Jeanette A. McKenna, Principal
McKenna et al.

PHOTOGRAPHIC RECORD

Primary # _____

HRI # _____

Trinomial _____

Page 1 of 1 Project Name: 02.676 - UCR Chiller Plant Monitoring Year 2002

Camera Format: Digital Lens Size: NA Roll No. 1

Film Type and Speed: 200 ASA Negatives Kept At: McKenna et al., Whittier CA 90601

| Mo. | Day | Time | Frame | Subject/Description | View | Acc. No. |
|-----|-----|------|-------|---|------|----------|
| | | | 0 | | | |
| 10 | 9 | AM | 1 | Overview of Project Area | NW | |
| 10 | 9 | AM | 2 | Overview of Project Area | N | |
| 10 | 9 | AM | 3 | Overview of Project Area | W | |
| 10 | 9 | AM | 4 | Overview of Project Area | SW | |
| 10 | 9 | PM | 5 | Utilities at Project Site | NA | |
| 10 | 9 | PM | 6 | Water Connection at Project Site | NA | |
| 10 | 10 | AM | 7 | Example of Substrate | NA | |
| 10 | 10 | AM | 8 | Materials Left by Archaeological Laboratory | NA | |
| 10 | 11 | AM | 9 | Breaking Up Asphalt | NA | |
| 10 | 11 | AM | 10 | Project Area Overview | SW | |
| 10 | 11 | AM | 11 | Project Area Overview | WNW | |
| 10 | 11 | AM | 12 | Grading in Area of Chiller Plant | SE | |
| 10 | 11 | AM | 13 | Overview to East | E | |
| 10 | 11 | AM | 14 | Overview to SE | SE | |
| 10 | 11 | PM | 15 | Overview to SE | SE | |
| 10 | 11 | PM | 16 | Overview to SW | SW | |
| 10 | 13 | AM | 17 | Overview to South | S | |
| 10 | 13 | AM | 18 | Overview to South/Southwest | SSW | |
| 10 | 13 | AM | 19 | Example of Substrate | NA | |
| 10 | 13 | AM | 20 | Overview to South/Southwest | SSW | |
| 10 | 14 | AM | 21 | Overview to Southwest | SW | |
| 10 | 14 | AM | 22 | Overview to Northwest | NW | |
| 10 | 14 | PM | 23 | Overview to North | N | |
| 10 | 14 | PM | 24 | Overview to Northwest | NW | |
| | | | 25 | | | |



Photograph 1. Overview of Project Area (NW).



Photograph 2. Overview of Project Area (N).



Photograph 3. Overview of Project Area (W).



Photograph 4. Overview fo Prooject Area (SW).



Photograph 5. Utilities at Project Site.



Photograph 6. Water Connection at Project Site.



Photograph 7. Example of Substrate.



Photograph 8. Materials Left by Archaeo. Lab.



Photograph 9. Breaking Up Apshalt.



Photograph 10. Project Area Overview (SW).



Photograph 11. Project Area Overview (WNW).



Photograph 12. Grading in Area of Chiller Plant (SE).



Photograph 13. Overview to East.



Photograph 14. Overview to SE.



Photograph 15. Overview to SE.



Photograph 16. Overview to SW.



Photograph 17. Overview to South.



Photograph 18. Overview to South/Southwest).



Photograph 19. Example of Substrate.



Photograph 20. Overview to South/Southwest.



Photograph 21. Overview to Southwest.



Photograph 22. Overview to Northwest.



Photograph 23. overview to North.



Photograph 24. Overview to Northwest.

McKenna et al.

History/Archaeology/Architecture/Paleontology

Jeanette A. McKenna, M.A.
Owner and Principal Investigator
Reg. Professional Archaeologist

April 22, 2002

UCR Design and Construction
Attn: Denise Torchia
3615A Canyon Crest Drive
Riverside, California 92507

RE: Completion of the Archaeological/Paleontological Monitoring Program at the "TES" Site.

Ms. Torchia:

In November of 2001, McKenna et al. completed a Phase I cultural resources investigation of the proposed Chiller Plant, Tank, and Pipeline system on the University of California, Riverside campus (McKenna 2001). As a result of the investigations, it was recommended that the excavations for the project area be monitored to insure avoidance of impacts to potentially significant cultural and/or paleontological resources. Subsequently, McKenna et al. contracted to complete the monitoring for the first phase of construction - emphasizing the excavations for the proposed tank site and nearby trenching (behind the Computer and Communication Building).

The monitoring program was initiated on January 21, 2002, and between January 21, 2002, and March 6, 2002, a total of ten full days of monitoring, two half days, and four spot check were completed. Monitoring continued between March 13, 2002, and April 14, 2002, resulting in the completion of an additional two half days of monitoring and eight spot checks while small areas of the property were finished .

The archaeological monitoring was completed by three individuals from McKenna et al., including Jeanette A. McKenna, Principal Investigator; M. A. McKenna, Archaeological Associate; and R.C. Ferguson, Archaeological Associate.

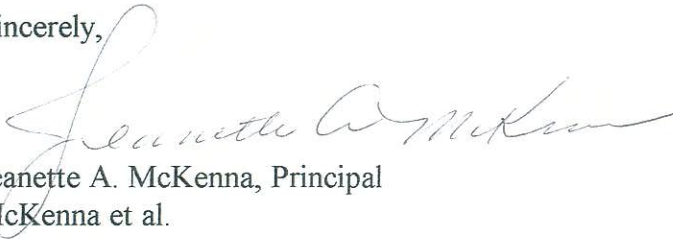
Over the course of the monitoring program, excavations were predominantly in the location of the tank site (see attached photographic record). There was some peripheral areas of excavation, including the preparation of the access roads, pipeline right-of-ways, and pads for the parking and operations trailer. No evidence of cultural remains were recovered as a result of the monitoring program, negating the need to inventory or curate any materials. As of this writing, the property is considered clear of any such remains, although cultural or paleontological remains may still be present

in the remainder of the overall project area (e.g. additional pipeline alignments and the Chiller Plant location at the site of the existing trailers).

Although no cultural or paleontological remains were uncovered during this phase of development, the remaining areas require similar monitoring to insure avoidance of impacts to potentially significant resources that may be located in the remainder of the project area.

If you have any questions or require additional information, please feel free to call at your convenience.

Sincerely,

A handwritten signature in cursive script, appearing to read "Jeanette A. McKenna".

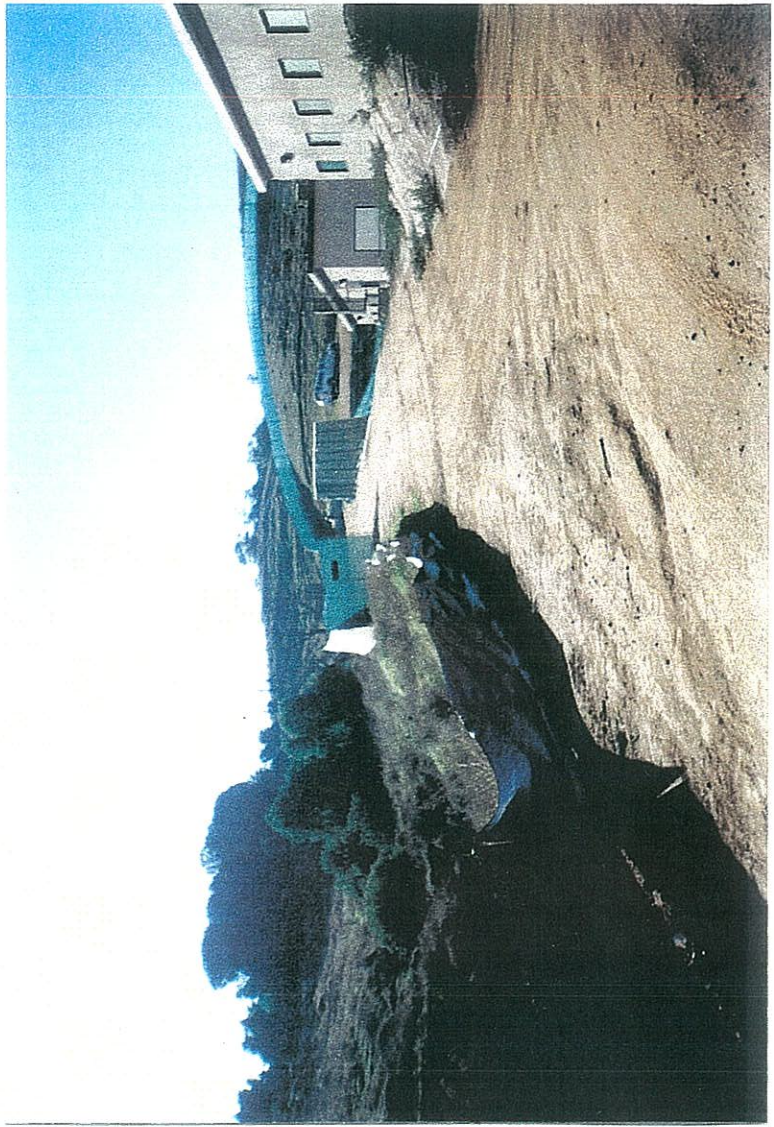
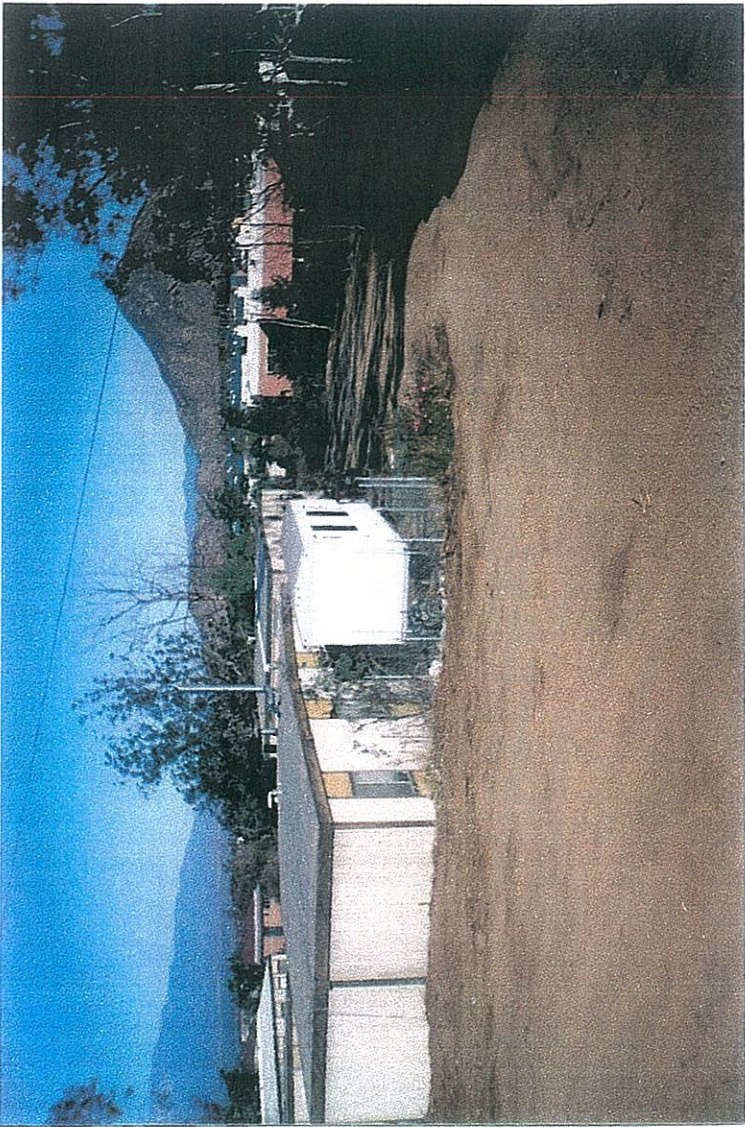
Jeanette A. McKenna, Principal
McKenna et al.

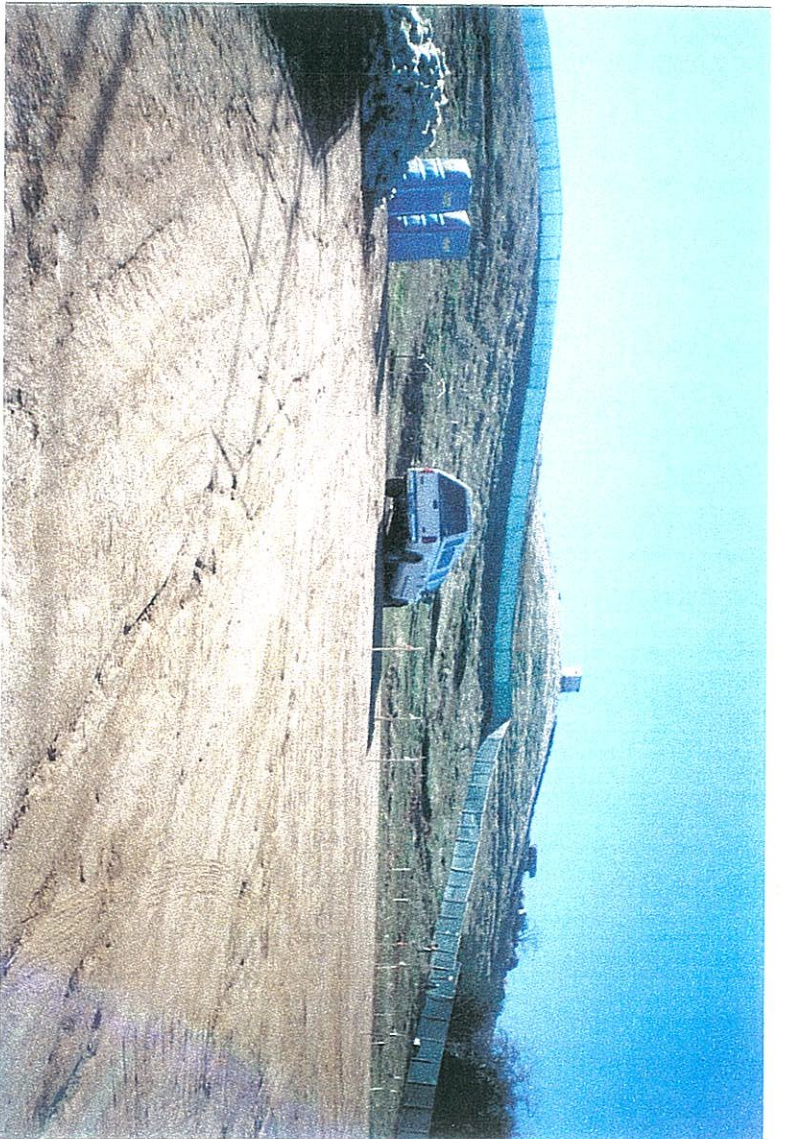
State of California – The Resources Agency
 DEPARTMENT OF PARKS AND RECREATION
PHOTOGRAPHIC RECORD

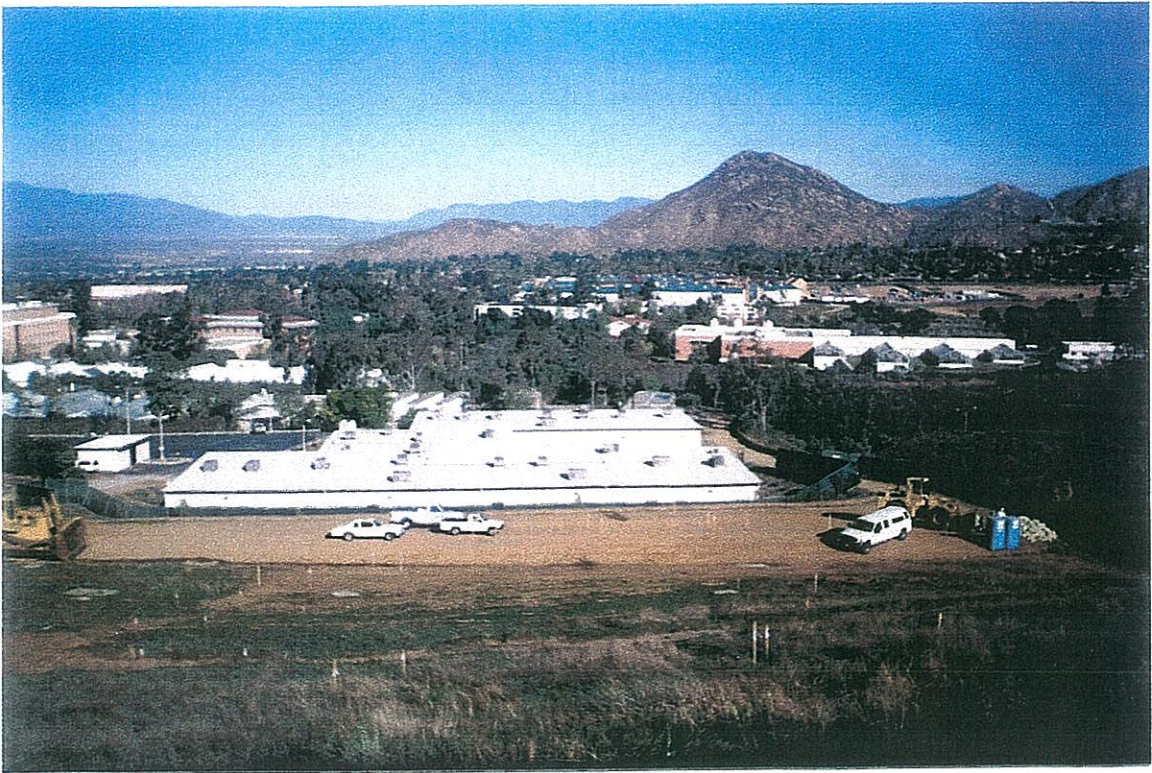
Primary # _____
 HRI # _____
 Trinomial _____

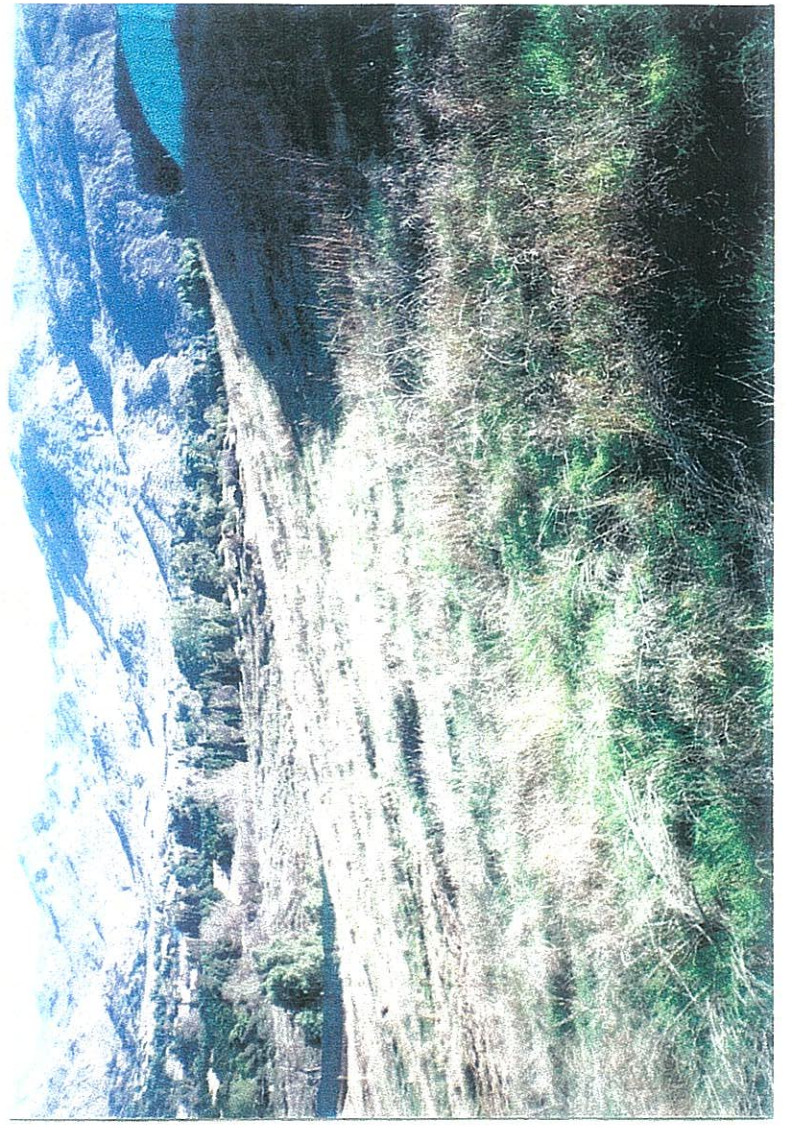
Page 1 of 1 Project Name or # (Assigned by the Recorder) 02.632 Year 2002
 Camera Format: 35 MM Lens Size: NA Roll No. 1
 Film Type and Speed: ISO 200 Negatives Kept At: McKenna et al., Whittier CA 90601

| Mo. | Day | Time | Frame | Subject/Description | View | Acc. No. |
|-----|-----|------|-------|---|------|----------|
| | | | 0 | Dud | | |
| | | | 1 | Dud | | |
| | | | 2 | Dud | | |
| | | | 3 | Dud | | |
| 1 | 21 | AM | 4 | Overview of trailers and chiller plant | NW | |
| 1 | 21 | AM | 5 | Overview of pipeline alignment | S | |
| 1 | 21 | AM | 6 | Archaeology Lab sign at trailers | W | |
| 1 | 21 | AM | 7 | Overview of tank site | SW | |
| 1 | 21 | AM | 8 | Overview of tank site | WSW | |
| 1 | 21 | AM | 9 | Existing pipe on slope | W | |
| 1 | 21 | AM | 10 | Overview from top of slope w/ CC building | N | |
| 1 | 21 | AM | 11 | Overview of valley | NW | |
| 1 | 21 | AM | 12 | Overview of valley | N | |
| 1 | 21 | AM | 13 | Overview from SW 1/4 | NE | |
| 1 | 21 | AM | 14 | Overview from SW 1/4 | E | |
| 1 | 21 | AM | 15 | Tree removal | N/A | |
| 1 | 21 | AM | 16 | Central disturbed area | ENE | |
| 1 | 21 | AM | 17 | Example of elevation change | NE | |
| 1 | 21 | AM | 18 | Overview of central project area | W | |
| 1 | 21 | AM | 19 | Overview from access road | SE | |
| 1 | 21 | AM | 20 | Overview from access road | S | |
| 1 | 24 | PM | 21 | Overview of project activity from western end of area | E | |
| 1 | 24 | PM | 22 | Broken water pipe– after welding | NE | |
| 1 | 24 | PM | 23 | Main area of activity for bulldozer and front loader | S | |
| 1 | 24 | PM | 24 | Main area of activity for bulldozer and front loader | S | |
| 1 | 24 | PM | 25 | Pile indicates work from 1/24/02, AM | SW | |



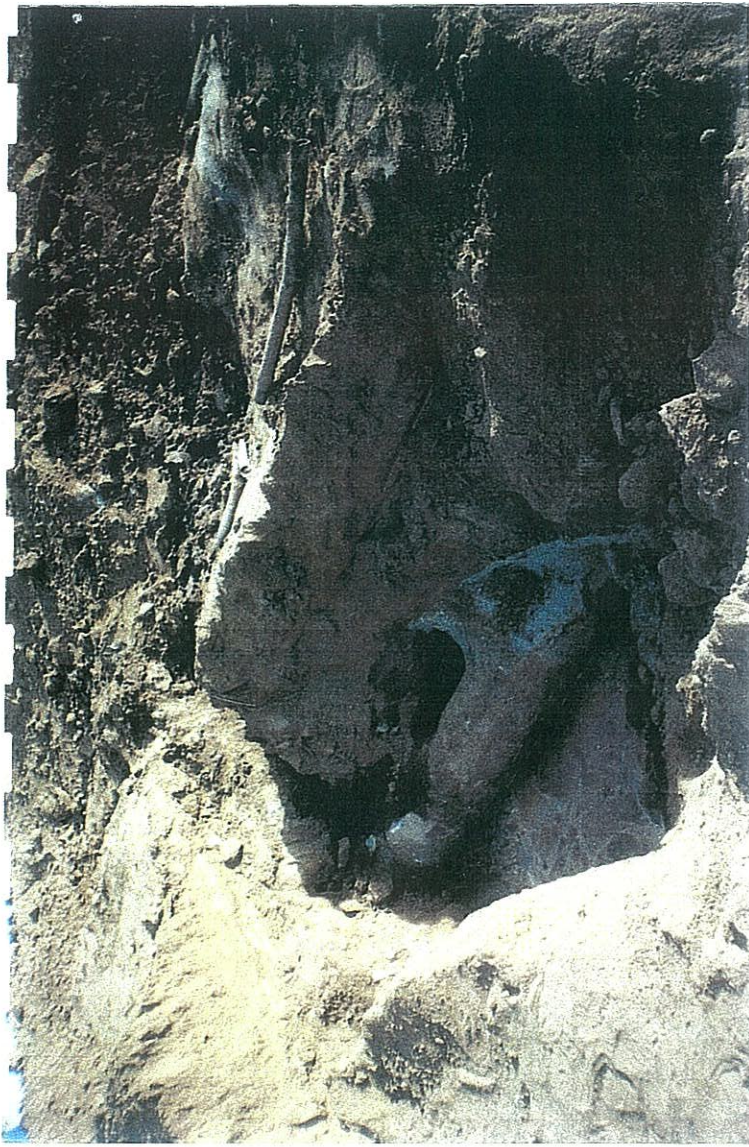














PHOTOGRAPHIC RECORD

Primary # _____

HRI # _____

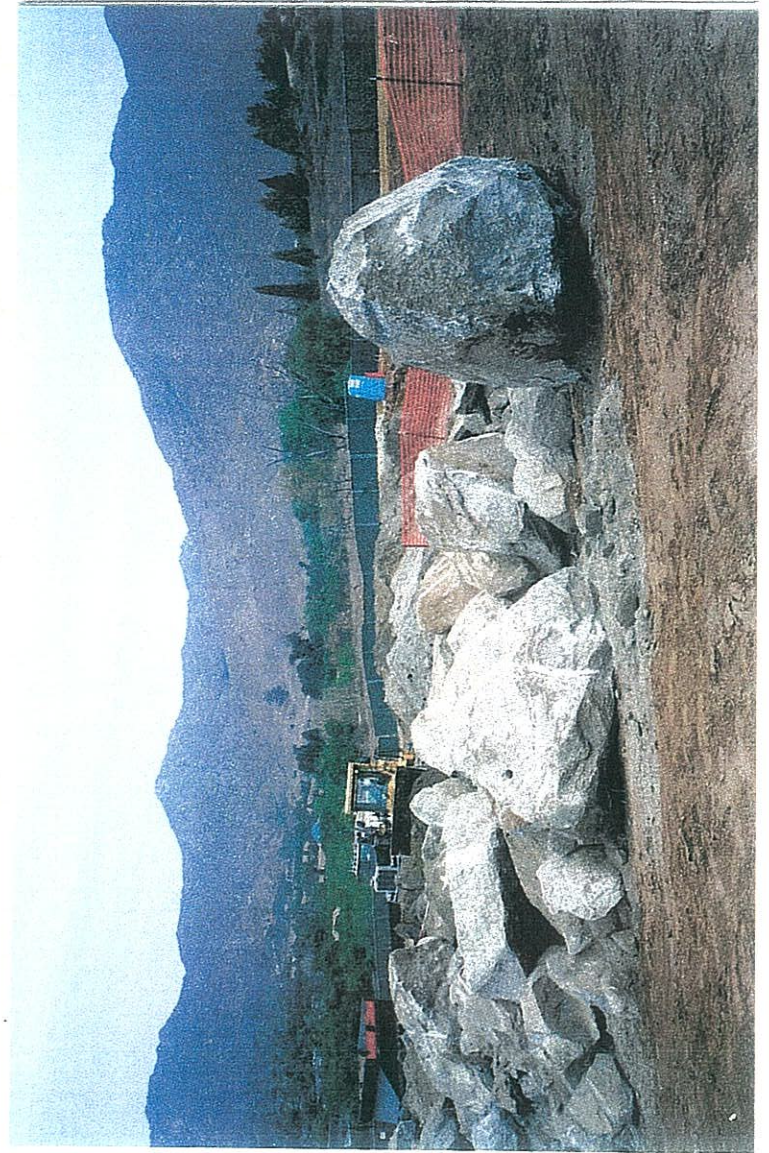
Trinomial _____

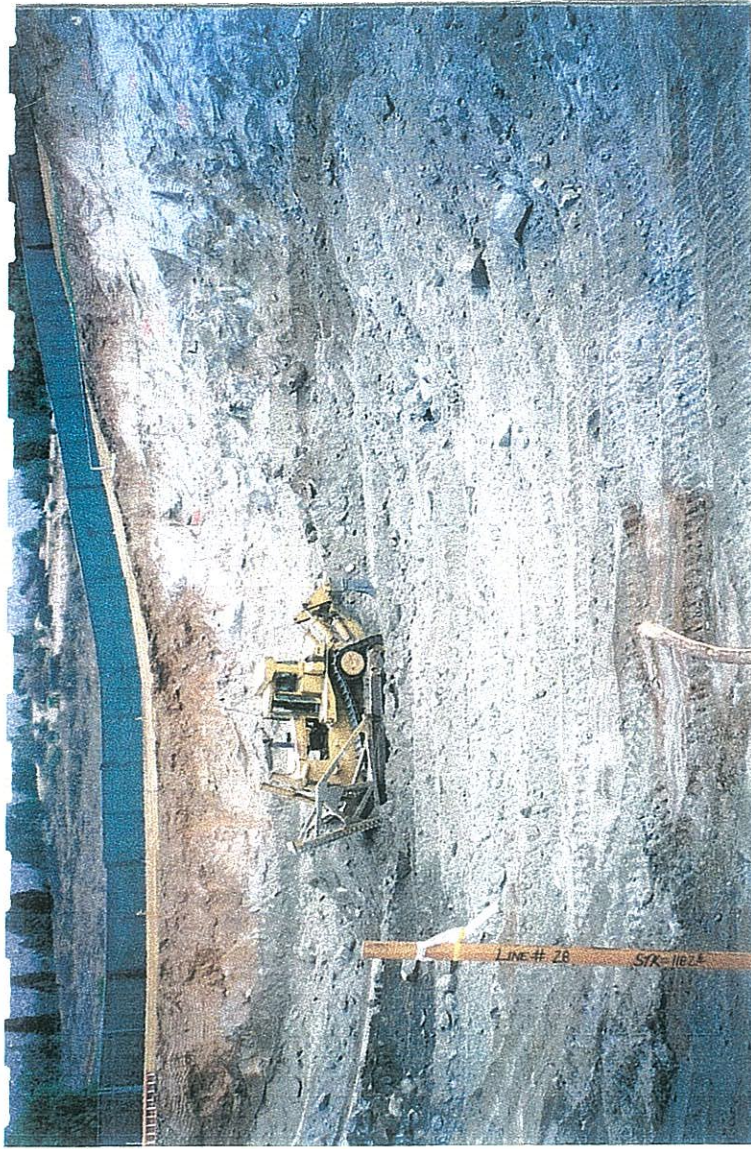
Page 1 of 1 Project Name or # (Assigned by the Recorder) Job 632 - UCR Tank Site Monitoring Year 2002

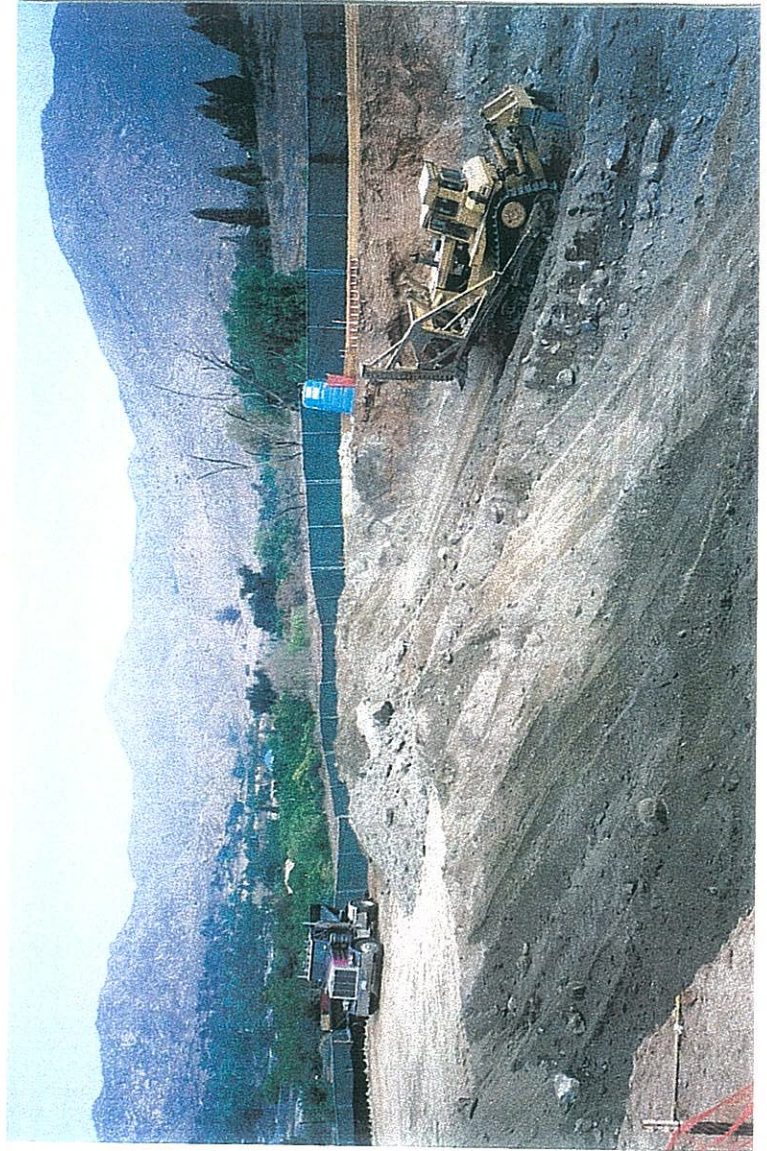
Camera Format: 35 mm Color Prints Lens Size: NA Roll No. 2

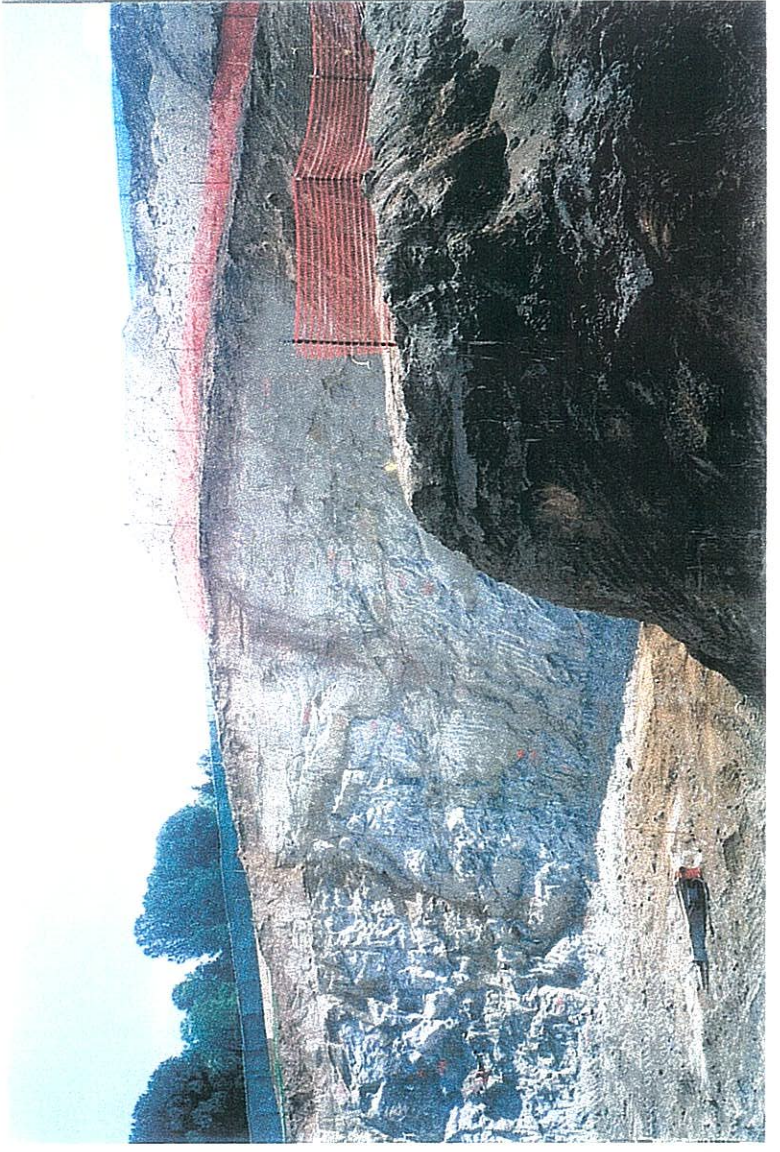
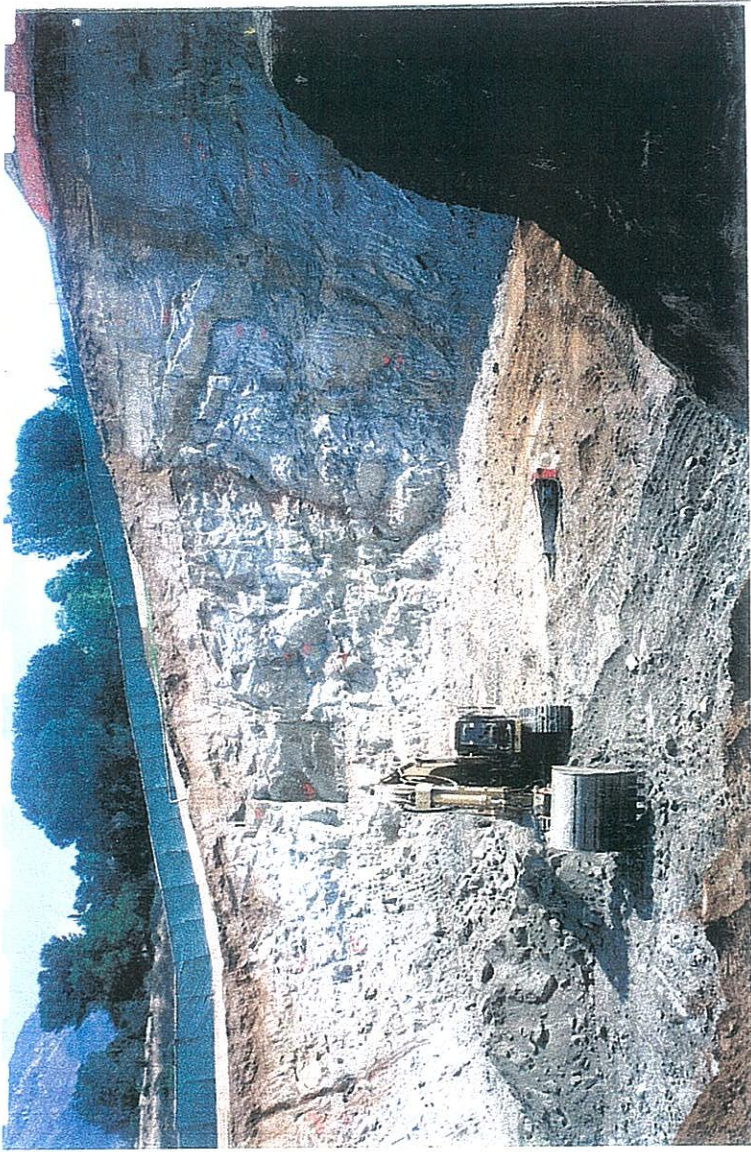
Film Type and Speed: 200 ASA Negatives Kept At: McKenna et al., Whittier CA 90601

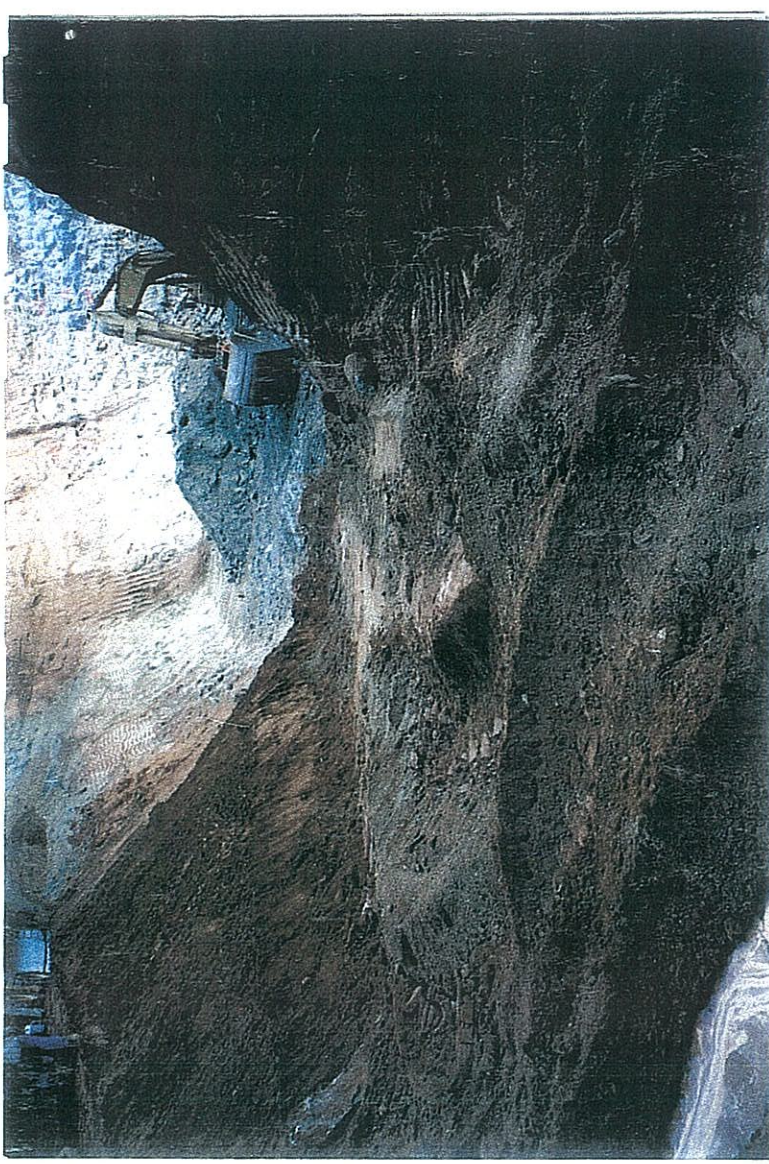
| Mo. | Day | Time | Frame | Subject/Description | View | Acc. No. |
|-----|-----|------|-------|---|------|----------|
| | | | 0 | Test | | |
| 3 | 6 | PM | 1 | Boulders Removed After Blasting | N | |
| 3 | 6 | PM | 2 | Boulders Removed After Blasting | N | |
| 3 | 6 | PM | 3 | Shallow Cut Near Access Road | N | |
| 3 | 6 | PM | 4 | Overview of Tank Site | N | |
| 3 | 6 | PM | 5 | Overview of Tank Site | NE | |
| 3 | 6 | PM | 6 | Overview of Tank Site | NE | |
| 3 | 6 | PM | 7 | Large Piles of Excavated Soil Above Tank Site | E | |
| 3 | 6 | PM | 8 | Shallow Cut Near Access Road and Trailer | N | |
| 3 | 6 | PM | 9 | Overview of Tank Site | E | |
| 3 | 13 | AM | 10 | Overview of Tank Site | E | |
| 3 | 13 | AM | 11 | Overview of Tank Site | E | |
| 3 | 13 | AM | 12 | Overview of Tank Site | E | |
| 3 | 13 | AM | 13 | Overview of Tank Site | E | |
| 3 | 13 | AM | 14 | Area of Activity in A.M. | S | |
| 3 | 13 | AM | 15 | Area of Activity in A.M. | N | |
| 3 | 13 | AM | 16 | Access Road with Berms | E | |
| 3 | 13 | AM | 17 | Overview of Tank Site | E | |
| 3 | 13 | AM | 18 | Overview of Tank Site | E | |
| 3 | 13 | AM | 19 | Overview of Tank Site | E | |
| 3 | 13 | AM | 20 | Overview of Tank Site | E | |
| 3 | 13 | AM | 21 | Overview of Tank Site | E | |
| 3 | 13 | AM | 22 | Overview of Tank Site | E | |
| 3 | 13 | AM | 23 | Overview of Tank Site | S | |
| 3 | 13 | AM | 24 | Overview of Tank Site | S | |
| | | | 25 | | | |

















A PHASE I CULTURAL RESOURCES INVESTIGATION
OF THE PROPOSED CHILLER PLANT, TANK,
AND PIPELINE SYSTEM ON THE UNIVERSITY
OF CALIFORNIA, RIVERSIDE CAMPUS,
RIVERSIDE, RIVERSIDE COUNTY
CALIFORNIA

- USGS Riverside East 7.5' Quadrangle -

Prepared for:

Campbell BioConsulting
Attn: Kathleen Dale
40950 Via Media
Temecula, California 92591-2722

Prepared by:

McKENNA et al.
6008 Friends Avenue
Whittier, California 90601
(562) 696-3852
(562) 693-4059 FAX

Author and Principal Investigator: Jeanette A. McKenna, M.A., RPA

November 15, 2001
Job No. 09-01-11-594

UCR Project No. 950452, 950453, 950454

A PHASE I CULTURAL RESOURCES INVESTIGATION
OF THE PROPOSED CHILLER PLANT, TANK,
AND PIPELINE SYSTEM ON THE UNIVERSITY
OF CALIFORNIA, RIVERSIDE CAMPUS,
RIVERSIDE, RIVERSIDE COUNTY
CALIFORNIA

- USGS Riverside East 7.5' Quadrangle -

Prepared for:

Campbell BioConsulting
Attn: Kathleen Dale
40950 Via Media
Temecula, California 92591-2722

Prepared by:

McKENNA et al.
6008 Friends Avenue
Whittier, California 90601
(562) 696-3852
(562) 693-4059 FAX

Author and Principal Investigator: Jeanette A. McKenna, M.A., RPA

November 15, 2001
Job No. 09-01-11-594

A PHASE I CULTURAL RESOURCES INVESTIGATION
OF THE PROPOSED CHILLER PLANT, TANK,
AND PIPELINE SYSTEM ON THE UNIVERSITY
OF CALIFORNIA, RIVERSIDE CAMPUS,
RIVERSIDE, RIVERSIDE COUNTY
CALIFORNIA

by,

Jeanette A. McKenna, Principal
McKenna et al., Whittier CA

INTRODUCTION

McKenna et al. initiated a Phase I cultural resource investigation of the proposed UCR Chiller Plant and associated facilities at the request of Campbell BioConsulting of Temecula, California. The property is located in the City of Riverside, Riverside County, California, and on the campus of the University of California, Riverside. This particular investigation has been completed for compliance with the California Environmental Quality Act, as amended. The research for this project was overseen by Jeanette A. McKenna, M.A., RPA, and Principal Investigator for McKenna et al., with the assistance of Chuck Ferguson (Appendix A). The field studies were completed on August 9, 2001, by Chuck Ferguson, Archaeological Associate and Historian for McKenna et al., under the supervision of Ms. McKenna. All support data for information presented in this report are on file at McKenna et al., Whittier, California.

LOCATION AND SETTING

The proposed Chiller Plant, tank, and pipeline system will be constructed in the eastern portion of the main campus of the University of California, Riverside (Figures 1 and 2). At the time of this investigation, the main facility (Chiller Plant) was designed to be constructed on the north side of the Computing and Communications Service Building and the proposed tank was to be south of the building. Pipelines were tentatively planned to connect these to elements of the plan and would also involve other alignments (Figures 3 and 4). However, the final placement of pipelines has not been determined. Therefore, the entire area of the campus to the west of the Chiller Plant was considered during this investigation.

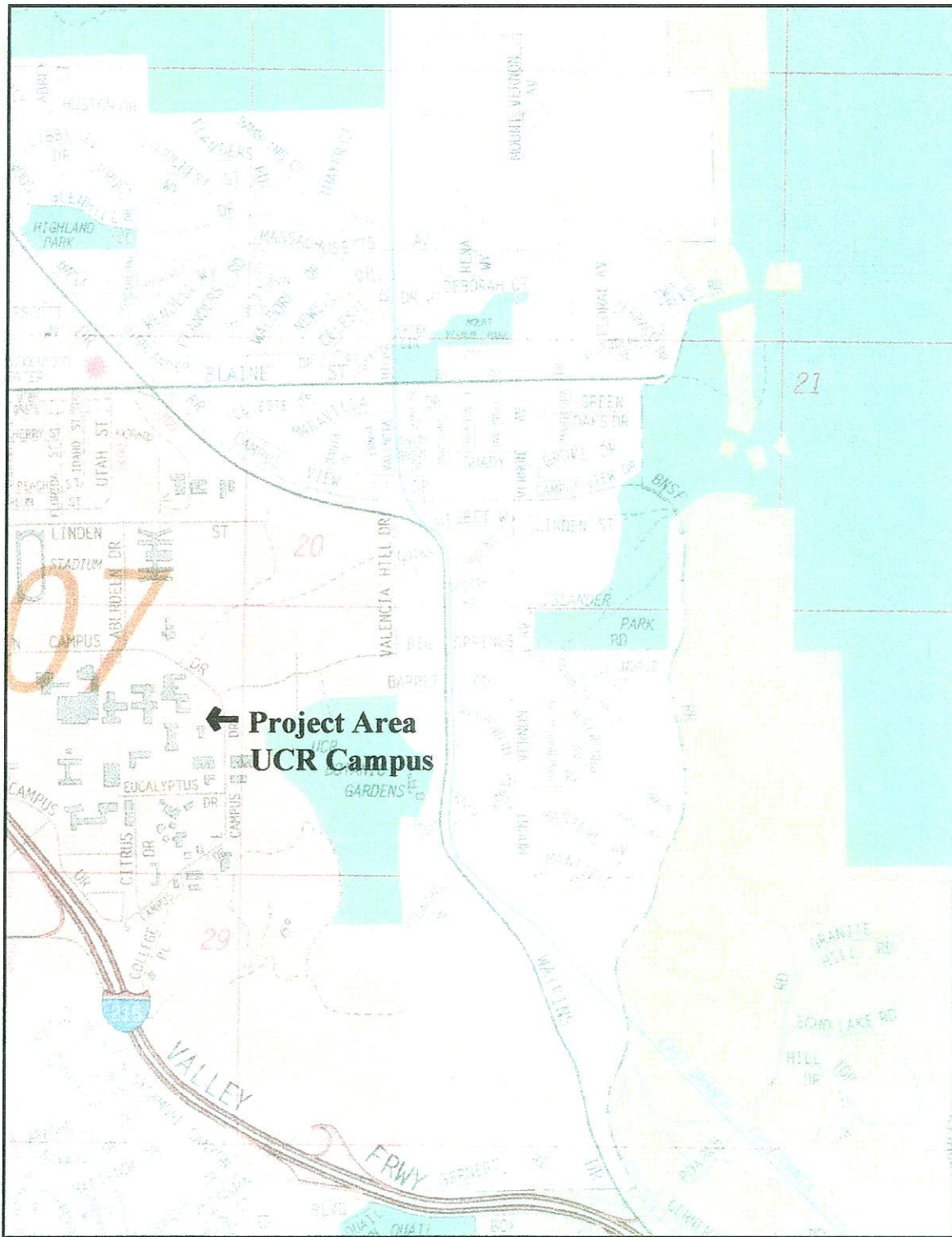


Figure 1. General Location of the Project Area.

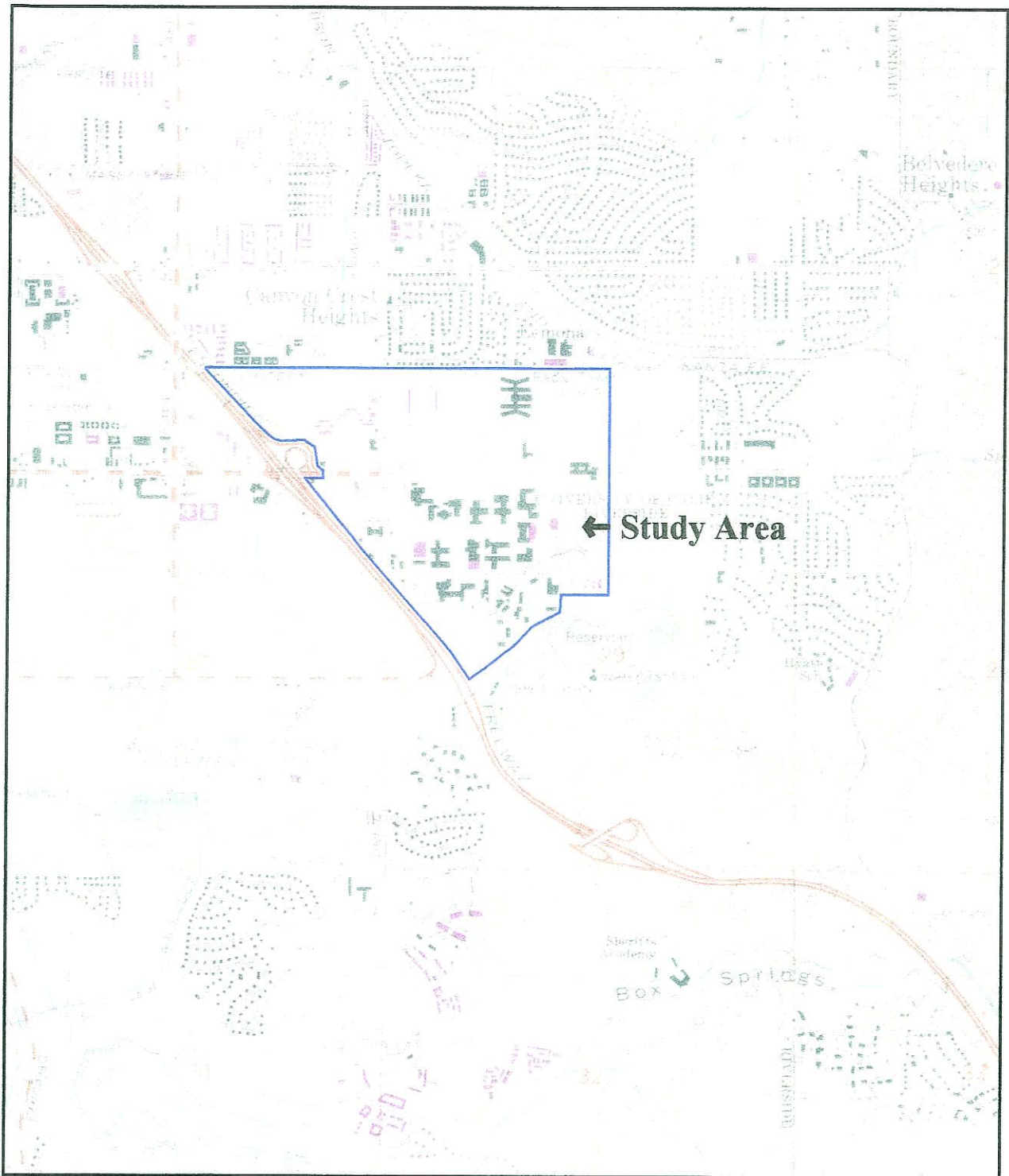


Figure 2. Area of UCR Campus Covered by Recent Investigations
(USGS Riverside East Quadrangle (rev. 1980).

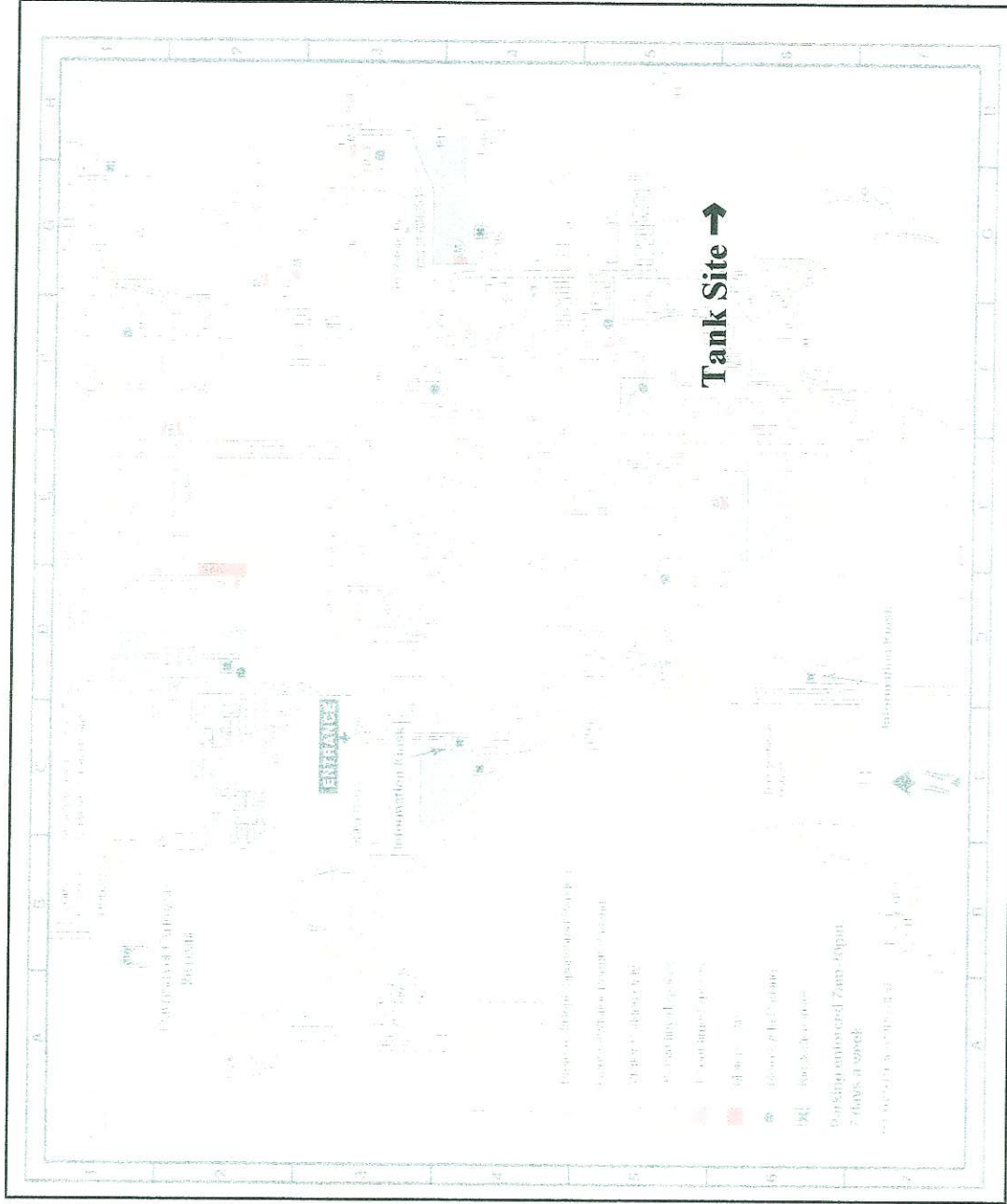


Figure 3. UCR Site Plan and Proposed Tank Site Facilities.

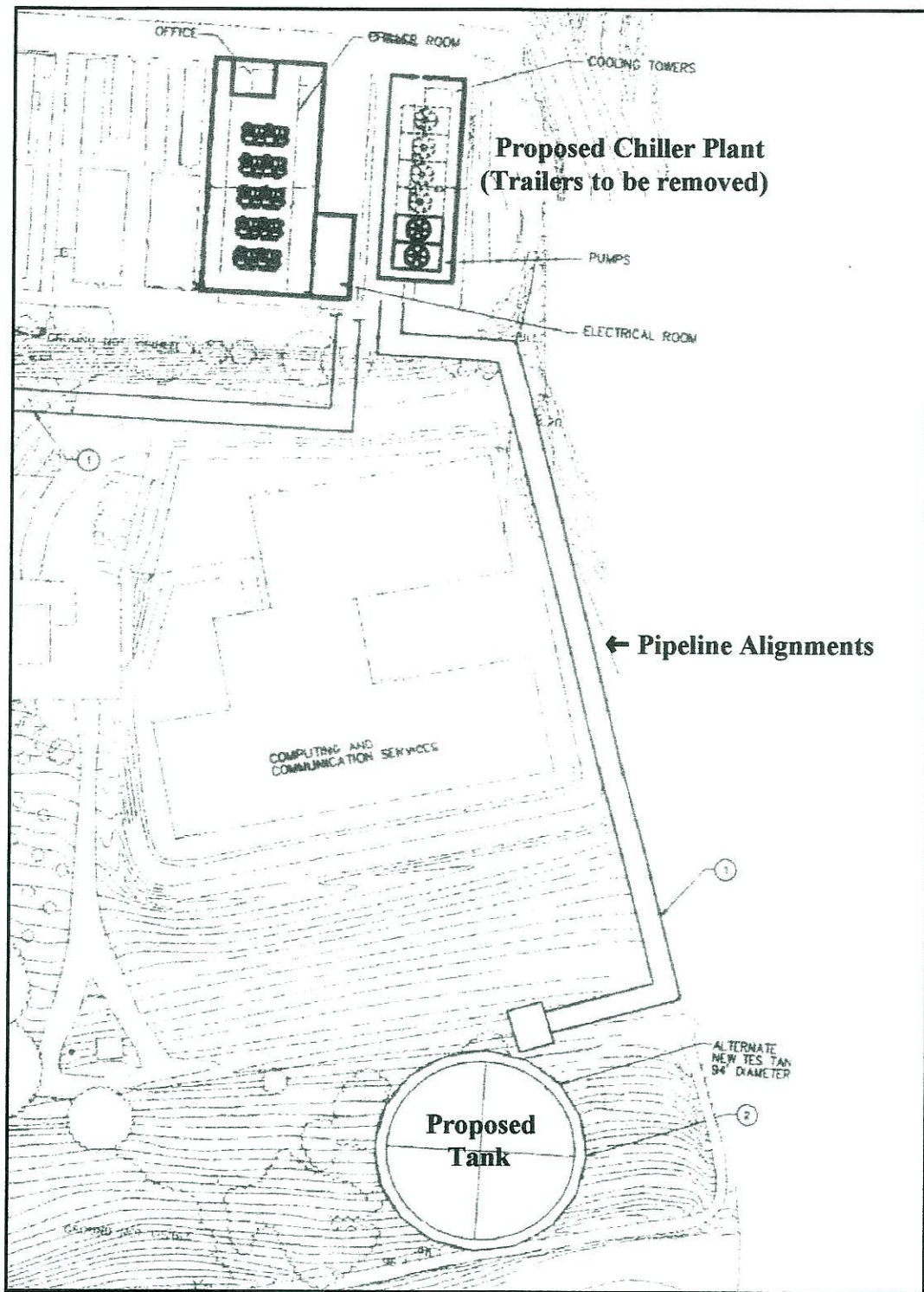


Figure 4. Proposed Facility Design (Tanks and Pipelines).

The UCR campus is primarily located within Township 2 South, Range 4 West, and Sections 19, 20, 29, and 30. Although the overall investigations involved a large portion of the campus (see Figure 2), the actual construction area will likely be limited to areas within the northwestern quarter of Section 29. The area is currently used by the University for trailers (additional office space) and the majority of the potential pipeline alignments involve paved roadways.

This particular portion of Riverside County is associated with the Peninsular Ranges - one of the largest geologic units in western North America (Norris and Webb 1990:277). The Peninsular Ranges contain minor Jurassic and extensive Cretaceous igneous rocks; marine Cretaceous sedimentary rocks are also present. Faults are found throughout the Peninsular Ranges. Numerous lithic resources are available in the general area of the proposed project. Fossils may be present within sedimentary deposits.

Rainfall varies from nine to thirty-five inches per year and provides adequate water for most streams to run intermittently. Elevations within the project area range between 1080 and 1100 feet above mean sea level (the proposed tank being atop a small rise). In general, the property would be associated with the Coastal Sage Scrub and Desert Sage Scrub biotic communities (Munz 1974). However, modern developments (mainly the University of California, Riverside campus) have eradicated all evidence of the natural environment.

BRIEF CULTURAL HISTORY BACKGROUND

- Prehistory -

The geographical area associated with Riverside County is generally considered to be within the traditional Luiseno territory, although many have argued that it is highly likely that the project area includes evidence of Gabrielino activities (see discussion in McKenna 1992:6). Nonetheless, this area of Riverside County has been identified and characterized by the presence of Uto-Aztec Stock speakers of the Takic language family (Shipley 1978:90).

References to "Luiseno" are derived from the association with the Mission San Luis Rey (San Diego County). The Luiseno population extended well into Riverside County and encompassed the current project area (Bean and Smith 1978:550). Citing Bean and Smith (1978:550):

Luiseno social structure and philosophy were similar to the other Takic-speaking tribes, but they diverged in having a more rigid social structure and greater population density ...

The Luiseno were first contacted in 1796 when the Gaspar de Portola expedition traversed Southern California. At that time, there were at least fifty villages reported within Luiseno territory. The population estimates suggested as many as 10,000 individuals. While more coastal populations were relocated to the area surrounding the Mission San Luis Rey, inland populations were impacted to a

lesser extent. The Riverside area is representative of one of the major geographic and topographic features of inland Southern California and was known to be heavily trafficked by Native Americans. Evidence of their presence is not unexpected in this area.

- History -

The earliest known records of European contact with Southern California Native Americans date to the mid-1500s, representing minor contact during early explorations by the Spanish. Intensive contact was not established until the 1770s, when Father Garces traversed the Mojave Desert and entered coastal Southern California through the Cajon Pass (Walker 1986). In the 1770s, the Spanish padres, under the direction of Junipero Serra, began the process of establishing a series of missions throughout Alta California, as California was then known. Noted earlier, the project area is within the boundaries of lands held by the Mission San Gabriel de Archangel. The mission continued to hold these large tracts until the Mexican government declared its independence from Spain and issued orders for the secularization of the Missions (ca. 1824). By 1833-34, the majority of Mission lands were taken from the Catholic Church and reissued to individuals who had served as either Spanish or Mexican soldiers, settlers, financiers, etc. The Mexican government hoped to initiate a pattern of settlement in Alta California by relocating populations from other Mexican settlements to recently established Alta California settlements (Hanna 1951; McWilliams 1973; Dumke 1944; and Scott 1977). Maps provided by Avina (1932); the Bureau of Land Management; and Beck and Haase (1977) illustrate the extent of the Rancho/Grant system.

References to Riverside are provided in numerous places, including Gunther (1984:427-428). Gunther states (1984:427-428) states:

RIVERSIDE. The name was chosen at **the first meeting of stockholders** of Judge John W. North's newly formed Southern California Colony Association ... on Decem-ber 14, 1870. Until that date the colony had been called Jurupa because of its location on part of the Jurupa Rancho ...

In this case, the project area is just outside (to the east) of the historic Jurupa Rancho. As such, the property was considered open land at the time of U.S. acquisition of California and, therefore, open to sale, homesteading, and/or other forms of settlement. In general, this area was relatively unaltered throughout the historic period and only recently impacted by the development of the University of California, Riverside (ca. 1954). The project area is within a portion of the University campus (west of the botanical gardens and within the eastern portion of the campus). East Campus Drive bounds the western side of the project area and the proposed pipeline alignments will be between existing buildings. Modern (very recent) campus development has resulted in the construction of new buildings in this area of the campus - including parking areas. No buildings will be removed to facilitate this project, but trailers serving as additional office space will be relocated. Whenever possible, the pipeline routes will be within existing roadways.

METHODOLOGY

The following tasks were completed to adequately address the current study area:

1. Archaeological Records Check: McKenna et al. completed the archaeological records check through the University of California, Riverside, Eastern Information Center (Appendix B). The research was initially completed on Monday, May 7, 2001, by Jeanette A. McKenna, Principal Investigator for McKenna et al., and included a review of all resources within the campus. Documents pertaining to earlier studies and previously recorded archaeological sites were obtained for content and comparative analysis.
2. Native American Consultation: McKenna et al. contacted the Native American Heritage Commission to inquire into the potential for Native American Sacred or Ceremonial sites in the area. In addition, McKenna et al. requested the current listing of local Native Americans interested in responding to concerns regarding the project area (Appendix C). To date, attempts to include Native American input have yielded no responses - save the summary from the Native American Heritage Commission
3. Background Research: McKenna et al. conducted cursory background research to place the project area within a context for the identification of prehistoric and/or historic resources that might be located within or near the project area. This research was conducted through the University of California, Riverside, Eastern Information Center; the UCR Historic Map Library; the Bureau of Land Management California Desert District Offices, Riverside; and the McKenna et al. in-house library.
4. Field Survey: Chuck Ferguson, Associate Archaeologist and Historian for McKenna et al., completed an intensive survey of the project area on August 9, 2001, under the supervision of Jeanette A. McKenna, Principal Investigator for McKenna et al. The field survey was supplemented by field notes (on file, McKenna et al.) and a photographic record (Appendix D). Some structures within the UCR campus may be considered historically significant. However, because this project, as defined, will not impact any standing structures, detailed evaluations were not included in the overall investigations.
5. Analysis and Report Preparation: McKenna et al. analyzed all data compiled over the course of the investigations. All pertinent data has been included in this report and this technical report has been prepared in a format consistent with the requirements of the Archaeological Resource Management Report guidelines provided by the State Office of Historic Preservation (on file, McKenna et al.).

PREVIOUS RESEARCH

Previous research was investigated through the University of California, Riverside, Eastern Information Center. Research showed that the project area has not been previously surveyed. McKenna et al. recently completed a survey within the Botanical Gardens (McKenna 2001), adjacent to the current study area, but did not involve any areas west of East Campus Drive. The proposed USDA Salinity Laboratory at the University of California, Riverside, was surveyed in 1988 (Drover 1988). Nearby, investigations for the Inland Feeder Project were completed (Foster et al. 1991).

Only one site has been reported in the area of the UCR campus - CA-RIV-495, a single grinding slick located near the Botanical Garden basin area. No other components of the site were identified and no artifacts were recovered. This site has since been destroyed by development within the University (McKenna 2001). In general, there has been little in the way of investigations for the University property and no significant resources have been identified.

RESULTS OF THE INVESTIGATIONS

As a result of the recent investigations, McKenna et al. found no evidence of historic or prehistoric cultural resources. The majority of the project area was within a "built environment", meaning the surface areas were covered by pavement or structures (trailers). Open spaces (e.g. the tank location) were visually inspected with negative results. The remainder for the campus area is also considered a "built environment" with little opportunity to observe undisturbed or unpaved areas. The negative findings are presumed to be a consistent conclusion for the campus as a whole and no further surface surveys are recommended.

CONCLUSIONS, AND RECOMMENDATIONS

Recent investigations for the proposed Chiller Plant and associated facilities resulted in negative findings. Nonetheless, the research for the studies resulted in an identification of a single previously recorded archaeological site and a recently recorded site (McKenna et al. 01.566A - in Islander Park on Big Springs Road).

McKenna et al. recommends that the current project site be considered clear of any significant cultural resources. However, because at least two sites are known to be present on adjacent properties, there is always a possibility that additional resources may be present in a buried context. Because of this potential, McKenna et al. recommends that the University of California, Riverside, Department of Anthropology (Archaeological Research Unit) be made aware of the proposed project and permitted to conduct limited monitoring during major ground alterations (e.g. the construction of the Chiller Plant and proposed Tank). Trenching for the proposed pipelines may also be spot-monitored.

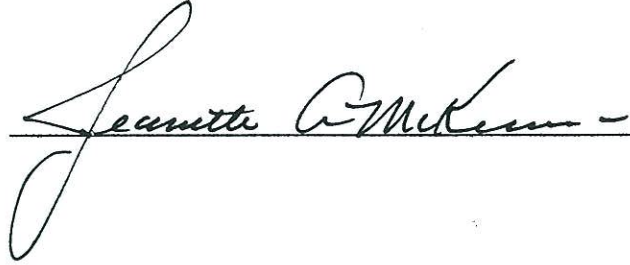
The extent and duration of the archaeological monitoring program can be determined once the project description is finalized and the exact locations of the proposed pipelines are identified.

CERTIFICATION

CERTIFICATION: I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this archaeological report, and the at the facts, statements, and information presented are true and correct to the best of my knowledge and belief.

DATE: 11-15-01

SIGNED:

A handwritten signature in black ink, appearing to read "Jeanette A. McKenna", is written over a horizontal line. The signature is cursive and includes a long, sweeping underline that extends to the right.

REFERENCES

- Avina, Rose Hollenbaugh
1932 Spanish and Mexican Land Grants in California. Unpublished Master's Thesis, University of California, Berkeley.
- Bean, Lowell J. and Charles Smith
1978 Luiseno. In: Handbook of North American Indians: California, Volume 8, pp. 550-574. Smithsonian Institution, Washington, D.C.
- Beck, Warren A. and Ynez D. Haase
1977 Historical Atlas of California. University of Oklahoma Press, Norman.
- Broadbent, S.
1971 Archaeological Site Survey Record: CA-RIV-495. On file, University of California, Riverside, Eastern Information Center.
- Drover, Christopher
1988 Environmental Impact Report: A Cultural Resources Assessment of the Proposed USDA Salinity Laboratory, University of California, Riverside. On file, University of California, Riverside, Eastern Information Center.
- Dumke, Glenn S.
1944 The Boom of the Eighties in Southern California. Huntington Library, San Marino, California.
- Foster, John M., J.J. Schmidt, C.A. Weber, and G.R. Romani
1991 Cultural Resources Investigation: Inland Feeder Project, Metropolitan Water District of Southern California. On file, University of California, Riverside, Eastern Information Center.
- Gunther, Jane Davies
1984 Riverside County, California, Place Names: Their Origins and Their Stories. Rubidoux Printing Co., Riverside, CA.
- Hanna, Paul Townsend
1951 The Dictionary of California Land Names. The Automobile Club of Southern California, Los Angeles.

McKenna, Jeanette A.

- 1992 Draft Report: Cultural Resources Investigations, Site Inventory, and Evaluations, the Cajon Pipeline Project Corridor, Los Angeles and San Bernardino Counties, California. On file, McKenna et al., Whittier, California.
- 1992 A Cultural Resources Investigation and Site Evaluations for the Proposed 200 Acre Windward Development Project Area, Norco, Riverside County, CA. On file, University of California, Riverside, Eastern Information Center.
- 2001 Phase I Cultural Resources Investigation of Proposed Islander Park Retention Basins and Channeling Improvements Project Area in the City of Riverside, Riverside County, California.

McWilliams, Carey

- 1973 Southern California: an Island on the Land. Peregrine Smith, Santa Barbara and Salt Lake City.

Munz, Philip

- 1974 A Flora of Southern California. University of California Press, Berkeley.

Norris, Robert M. and Robert W. Webb

- 1990 Geology of California. John Wiley & Sons, Inc., New York.

Scott, M.B.

- 1977 Development of Water Facilities in the Santa Ana River Basin, California, 1810-1968. U.S. Geological Survey Open File Report 77-398.

Shiple, William F.

- 1978 Native Languages of California. In: Handbook of North American Indians, Volume 8: California, ed. by R.F. Heizer, pp. 80-90. Smithsonian Institution, Washington, D.C.

Walker, Clifford

- 1986 Back Door to California: The Story of the Mojave River Trail. Mojave River Valley Museum Association. On file, San Bernardino County Museum, Archaeological Information Center, Redlands.

APPENDIX A:

Professional Qualifications

JEANETTE A. McKENNA
Owner and Principal Investigator
McKenna et al., Whittier CA

Ms. McKenna specializes in the field of Cultural Resource Management: prehistoric archaeology, historic archaeology, and history. She is a recent-past member of the Board of Directors for the Society of Professional Archaeologists (SOPA 1993-97) and is certified by the Registry of Professional Archaeologists (RPA) to conduct both prehistoric and historic archaeological studies (1998-Present). Ms. McKenna has 25 years of professional experience as an archaeologist and has served on over 400 projects. The majority of her work has been conducted as a Field Director, Project Manager, and/or Principal Investigator in California and Arizona.

TECHNICAL CAPABILITIES

- Vast experience in the greater Southwest, Great Basin, and Southern California regions. Familiar with the full range of cultural resource investigations and has completed projects within the public and private sectors, including environmental management firms, planning and engineering firms, and State and federal agencies.
- Active in the discipline of Cultural Resource Management since 1976 with over 18 years of experience in Southern California and another 5+ years in Arizona, Nevada and Central and Northern California.
- Particular interest in the desert regions of California and Arizona, with specializations in the Proto-historic and Historic Contact Periods.
- Considerable experience in dealing with prehistoric cultural remains (the majority of her career spent directly associated with Native American sites) and working directly with Native American groups in archaeological training programs (through Arizona State University and the Southern California Indian Center, Garden Grove).

EDUCATION AND AFFILIATIONS

B.A., Anthropology, 1977, CSU Fullerton
M.A., Anthropology, 1982, CSU Fullerton
Lambda Alpha Lambda Honors Society
Post Graduate Studies, Arizona State University, 1982-85
Post Graduate Studies, History Department
University of California, Riverside, 1991-92
Certification Program: CEQA, Land Use and Environmental
Planning, University of California, Riverside, 1997-98

Society of Professional Archaeologists (SOPA)/Registry of Professional Archaeologists (RPA) Certification: Field/Prehistoric Archaeology and Historical Archaeology (1984 to Present)

Board of Directors, Society of Professional Archaeologists 1993-1997 (American Society of Conservation Archaeologists Representative)
BLM California Permit No. CA-99-01-031
BLM Arizona State Permit No. AZ-000107
Arizona State Museum Antiquities Permit (ASM 1997-72bl)

SELECTED PROJECT EXPERIENCE

- Historic Architectural Studies for Renovation and Restoration of the Greek Theatre, Los Angeles CA
- Evaluation of Cultural Resources within the Burbank and West Hollywood Redevelopment Project Areas, Los Angeles County, CA
- Phase III Archaeological Investigations at CA-CAL-1633, a Miwok Site in Murphys, Calaveras County, CA.
- Archaeological Investigations and Resource Evaluations for the Proposed Cajon Pipeline, San Bernardino and Los Angeles Counties, CA
- Archaeological Class I Investigations for the Proposed Mojave Pipeline, San Bernardino County, CA
- Cultural Resources Investigations (Phases I, II, and III) for the RIX/SARI Projects, Santa Ana Watershed Project Authority (SAWPA), San Bernardino and Riverside Counties, CA
- Phase I, II, and III Archaeological Investigations for the County Sanitation Districts of Los Angeles County, Puente Hills Landfill Solid Waste Management Facility Expansion Project, Whittier, CA
- Archaeological Mitigation Program, The Phoenix Indian School Track Site Project. Arizona State University Office of Cultural Resource Management and the Bureau of Indian Affairs, Phoenix, AZ
- Archaeological and Testing Program for the Hidden Valley Golf Course and Van Buren Golf Course Properties, Riverside County, CA
- Cultural Resources Overview Studies for the Annexation of Unincorporated County Lands to the City of Ontario, CA
- Historic Property Survey Reports: Warner Bros. Main Lot Ranch Lot Properties, Burbank, CA
- Historic Archaeological Investigations for L.A. County Sheriff's Facility, Lancaster, CA.

Ralph C. Ferguson
14381 Calneva Ln.
Huntington Beach, CA 92647
(714) 897-1013

Education, Certification, Awards

- 2001 Graduate program, History, California State University, Fullerton
- 1999 B.A., Honors History, *Cum Laude*, California State University, Fullerton
- 1995-97 Anthropology/Archaeology course work Goldenwest College, Huntington Beach, CA

- 1997-99 Master Instructional Tutor, History, Anthropology, Economics, Political Science, and Geology, Goldenwest College, Huntington Beach, CA
- 1999-00 Field Crew Chief, The Keith Companies, Costa Mesa, CA
- 1997-00 Teaching Assistant, Social Sciences Division, Goldenwest College, Huntington Beach, CA

Professional Experience

- 2000-01 Historian, Archaeological Associate, McKenna et al., Whittier, CA

Project/Field Experience

2001

- Historic Researcher, Historic Property Survey of the Proposed Burbank Los Angeles Unified School District Site, City of Los Angeles, Los Angeles County, California (McKenna et al. 596)
- Historic Researcher/Field Surveyor, Historic Property Survey Addendum for the Alton Ave. Improvements, Orange County, California (McKenna et al. 593)
- Archaeological Associate and Historic Researcher, Phase I Archaeologist, Survey of the Proposed Senior-Citizen Residence Complex in the City of Bellflower, Los Angeles County, California (McKenna et al. 589)
- Archaeological Monitor, Sewer Relocation at the Historic Currier Property, City of Industry, Los Angeles County, California (McKenna et al. 583)
- Archaeological Associate, Phase I Survey of the Bayview Landing Site, City of Newport Beach, Orange County, California (McKenna et al. 574)
- Historic Researcher, Historic Property Survey of the Proposed Jefferson and Manual Arts School Sites, City of Los Angeles, Los Angeles County, California (McKenna et al. 573)
- Archaeological Associate, Phase II Testing Program at the Proposed Bluestone Communities Site, City of Murrieta, Riverside County, California (McKenna et al. 571)
- Archaeological Monitor, SunCal Development at Norco Ridge, Riverside County, California (McKenna et al. 562)
- Archaeological Associate, Phase II Testing Program at Norco Ridge, Riverside County, California (McKenna et al. 561)

- Historic Researcher, Proposed Burbank Media Center Area, City of Burbank, Los Angeles County, California (McKenna et al. 551)
- Historic Researcher, Alton Ave Improvements, Orange County, California (McKenna et al. 550)
- Archaeological Associate, Phase II Testing Program at The Cove, City of Hemet, Riverside County, California (McKenna et al. 545)
- Archaeological Research Assistant, Artifact Catalogue and Analysis for The Chambers Group, Irvine, California (McKenna et al. 544)
- Archaeological Associate, Phase I Survey of the Proposed McSweeney Farms, City of Hemet, Riverside County, California (McKenna et al. 543)

2000

- Archaeological Monitor, Country Club of the Desert Project Area, City of La Quinta, Riverside County, California (McKenna et al. 535)
- Archaeological Associate, Archaeological Test Excavations at CA-ORA-196(H), Orange County, California (McKenna et al. 530)
- Historic Researcher, Phase I Cultural Resources Investigations at the Marymount College Campus, City of Rancho Palos Verdes, Los Angeles County, California (McKenna et al. 529)
- Archaeological Monitor, East Palos Verdes Drive Sewer Drain Right-of-Way, City of Rancho Palos Verdes, Los Angeles County, California (McKenna et al. 518)
- Archaeologist, Phase I Survey of the Proposed Home Depot Project Area, City of Signal Hill, Los Angeles County, California (McKenna et al. 517)

- Archaeological Associate, Phase I Cultural Resources Overview for the Avenue I Interchange at SR-18, Los Angeles County, California (McKenna et al. 514)
- Archaeological Associate, Phase I Cultural Resources Overview for the Avenue G Interchange at SR-18, Los Angeles County, California (McKenna et al. 513)
- Historic Researcher, Montecito Ranch Project, Riverside County, California (McKenna et al. 504)
- Archaeological Monitor for the GST Fiber Optic Cable Alignment, San Bernardino to San Diego Counties, California (McKenna et al. 497)

Cultural Resource Management Reports

2001

- A Phase I Cultural Resources Investigation of The Bay-view Landing Project Area, Newport Beach, Orange County, California (Contributor)
- An Historic Property Survey for the Los Angeles Unified School District Manual Arts Elementary School No. 3, Los Angeles, Los Angeles County, California (Contributor)
- An Historic Property Survey for the Los Angeles Unified School District Jefferson Elementary School No. 1, Los Angeles, Los Angeles County, California (Contributor)
- A Phase II Archaeological Testing Program at CA-RIV-1558(A), A Prehistoric Archaeological Site in the Murrieta Area of Riverside County, California (Contributor)
- A Phase II Testing Program Of Seven Prehistoric Sites At Norco Ridge, Riverside County, California (Contributor)

- Paleontological Monitor and Crew Chief, Mammoth Excavations at Paloma Del Sol, City of Temecula, Riverside County, California (The Keith Companies)

1999

- Archaeological Associate/Field Crew Chief, Phase III Archaeological Excavations in the Shady Canyon Project Area, Orange County, California (The Keith Companies)

- Cultural Resource Investigations And Building Evaluations For The Proposed Burbank Media Center Project Area in the City Of Burbank, Los Angeles County, California (Contributor)
- Alton Avenue Overcrossing At SR-55: Historic Property Survey Report – Negative Findings (Contributor)
- Addendum Studies: Site Boundary Definitions at “The Cove”, Riverside County, California (Contributor)
- A Phase I Cultural Resources Survey of the McSweeney Farms Specific Plan Project Area in the City Of Hemet, Riverside County, California (Contributor)

APPENDIX B:

Archaeological Records Check

In May, 2001, McKenna et al. completed an archaeological survey on the Campus of the University of California, Riverside. At that time, McKenna et al. completed a records check that included a review of all resources known on the Campus. Subsequently, McKenna et al. completed a survey of adjacent acreage that is also owned by the University. Data from these two studies were used to address the current project area.

Jeanette A. McKenna, Principal

APPENDIX C:

Native American Consultation

STATE OF CALIFORNIAGray Davis, Governor**NATIVE AMERICAN HERITAGE COMMISSION**

915 CAPITOL MALL, ROOM 304
SACRAMENTO, CA 95814
(916) 633-4082
Fax (916) 657-5290



September 26, 2001

Jeanette A. McKenna, Principal
McKenna et al.
6008 Friends Avenue
Whittier, CA 90601-9724

RE: University of California, Riverside, Microwave Tower Site within the Box Springs Mountain Reserve, Riverside County.

Sent By Fax: (562) 693-4059
Pages Sent: 4

Dear Ms. McKenna:

A record search of the sacred lands file indicates the presence of Native American cultural resources in the project vicinity that may be impacted. To determine whether or not this site is within your project area, please contact the site consultant: Katherine Saubel, P.O. Box 373, Banning, CA 92220, telephone (909) 849-8304.

Other sources of cultural resources should also be contacted for information regarding known and recorded sites. Please contact all of the people on the attached list. It should provide a starting place to locate areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4040.

Sincerely,

Handwritten signature of Rob Wood in cursive.

Rob Wood
Environmental Specialist III

NATIVE AMERICAN CONTACTS
Riverside County
September 26, 2001

Agua Caliente Band of Cahuilla Indians
Richard Milanovich, Chairperson
960 E. Tahquitz Way, #106 Cahuilla
Palm Springs, CA 92262
(619) 325-5673
(619) 325-0593 Fax

Pala Band of Mission Indians
Robert Smith, Chairperson
P.O. Box 43 Luiseno
Pala, CA 92059 Cupeno
(760) 742-3784
(760) 742-1411 Fax

La Jolla Band of Mission Indians
Jack Musick, Chairperson
22000 Highway 76 Luiseno
Pauma Valley, CA 92061
(760) 742-3771/72

Pauma & Yuima
Christobal C. Devers, Chairperson
P.O. Box 369 Luiseno
Pauma Valley, CA 92061
(760) 742-1289
(760) 742-3422 Fax

Cabazon Band of Mission Indians
John A. James, Chairperson
84-245 Indio Springs Drive Cahuilla
Indio, CA 92201
(760) 342-2593
(760) 347-7880 Fax

Pechanga Band of Mission Indians
Mark Macarro, Chairperson
P.O. Box 1477 Luiseno
Terreclula, CA 92593
(909) 676-2768
(909) 695-1778 Fax

Cahuilla Band of Mission Indians
Michelle Salgado, Spokesperson
P.O. Box 391760 Cahuilla
Anza, CA 92539
(909) 763-5549
(909) 763-2808 Fax

Ramona Band of Mission Indians
Joseph Hamilton, Representative
P.O. Box 391670 Cahuilla
Anza, CA 92539
(909) 487-0822

Morongo Band of Mission Indians
Mary Ann Andreas, Chairperson
11581 Potrero Rd. Cahuilla
Banning, CA 92220
(909) 849-4697/98
(909) 849-4425 Fax

Rincon Band of Mission Indians
Culture Committee
P.O. Box 68 Luiseno
Valley Center, CA 92082
(760) 749-1051
(760) 749-8901 Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 6087.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regards to the cultural assessment for the proposed University of California Riverside microwave tower site within the Box Springs Mountain Reserve, Riverside County.

NATIVE AMERICAN CONTACTS
Riverside County
September 26, 2001

Soboba Band of Mission Indians
Carl Lopez, Chairperson
P.O. Box 487 Luiseno
San Jacinto, CA 92381
(909) 654-2765
Fax: (909) 654-4198

Katherine Saubel
P.O. Box 373 Cahuilla
Banning, CA 92220
(909) 849-8304

Torres-Martinez Desert Cahuilla Indians
Art Lopez, Chairperson
PO Box 1160 Cahuilla
Thermal, CA 92274
(760) 397-0300
(760) 397-8146 Fax

Torres-Martinez Desert Cahuilla Indians
Ernest Morreo
PO Box 1160 Cahuilla
Thermal, CA 92274
(760) 397-0300
(760) 397-8146 Fax

Twenty-Nine Palms Band of Mission Indians
Dean Mike, Chairperson
46-200 Harrison Place Luiseno
Coachilla, CA 92236 Chemehuevi
(760) 775-5566
(760) 775-4639 - Fax

Anthony J. Andreas, Jr.
3022 W. Nicolet Street Cahuilla
Banning, CA 92220
(909) 849-3844

Samuel H. Dunlap
P.O. Box 1391 Gabrielino
Temecula, CA 92593 Cahuilla
(909) 507-1958 (Voice) Luiseno
(909) 282-9351 (Cell)
(909) 693-9196 FAX

Santa Rosa Band of Mission Indians
Anthony Largo, Spokesman
325 N. Western Avenue Cahuilla
Hemet, CA 92343
(909) 763-5140

Alvino Siva
2034 W. Westward Cahuilla
Banning, CA 92220
(909) 849-3450

San Luis Rey Band of Mission Indians
Henry Contreras, Cultural Resources Representative
1763 Chapulin Lane Luiseno
Fallbrook, CA 92028 Cupeno
(760) 728-6722 - Home
(760) 207-3818 - Cell

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 6007.94 of the Public Resources Code and Section 6007.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regards to the cultural assessment for the proposed University of California Riverside microwave tower site within the Box Springs Mountain Reserve, Riverside County.

NATIVE AMERICAN CONTACTS
Riverside County
September 26, 2001

San Luis Rey Band of Mission Indians
Russell Romo, Captain
2302 Carriage Circle Luiseno
Oceanside, CA 92056 Cupeno
(760) 724-8505
(760) 757-6749 - Fax

Augustine Band of Mission Indians
Maryann Martin, Chairperson
P.O. Box 846 Cahuilla
Coachella, CA 92236
(760) 398-4722

Augustine Band of Mission Indians
Karin Kupcha, Tribal Administrator
P.O. Box 1291 Cahuilla
Yucca Valley, CA 92286
(760) 365-1373
(760) 365-2664 Fax

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5067.94 of the Public Resources Code and Section 5067.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regards to the cultural assessment for the proposed University of California Riverside microwave tower site within the Box Springs Mountain Reserve, Riverside County.

APPENDIX D:

Photographic Record

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

Primary # _____
HRI # _____
Trinomial _____

Page 1 of 1 Project Name or # (Assigned by the Recorder) Job 01.594 - UCR Study Year 2001
Camera Format: 35 mm (Color Prints) Lens Size: NA Roll No. 1
Film Type and Speed: 200 ASA Color Print Negatives Kept At: McKenna et al., Whittier CA

| Mo. | Day | Time | Frame | Subject/Description | View | Acc. No. |
|-----|-----|------|-------|---|------|----------|
| | | | 00 | | | |
| | | | 0 | | | |
| | | | 1 | | | |
| | | | 2 | | | |
| | | | 3 | | | |
| | | | 4 | | | |
| 8 | 9 | AM | 5 | Ridge Above Tank Site | S | |
| 8 | 9 | AM | 6 | Ridge Above Tank Site | S | |
| 8 | 9 | AM | 7 | Ridge Above Tank Site | SE | |
| 8 | 9 | AM | 8 | Proposed Tank Site | NE | |
| 8 | 9 | AM | 9 | Proposed Tank Site | W | |
| 8 | 9 | AM | 10 | Computing and Communications Services Bldg. | NW | |
| 8 | 9 | AM | 11 | Trailer Lot North of Site | SE | |
| 8 | 9 | AM | 12 | Trailer Lot North of Site | SE | |
| 8 | 9 | AM | 13 | Trailer Lot North of Site | SE | |
| 8 | 9 | AM | 14 | Trailer Lot North of Site | SW | |
| 8 | 9 | AM | 15 | Trailer Lot North of Site | SE | |
| 8 | 9 | AM | 16 | Trailer Lot North of Site | SE | |
| 8 | 9 | AM | 17 | Proposed Tank Site | SE | |
| 8 | 9 | AM | 18 | Long Pipeline Alignment | N | |
| 8 | 9 | AM | 19 | Long Pipeline Alignment | N | |
| 8 | 9 | AM | 20 | Short Pipeline Alignment | W | |
| | | | 21 | | | |
| | | | 22 | | | |

