

CULTURAL RESOURCES ASSESSMENT

Tentative Parcel Numbers 20673 and 20674 Project Hesperia, San Bernardino County, California

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BCRCONSULTING LLC

April 25, 2024

MANAGEMENT SUMMARY

BCR Consulting LLC (BCR Consulting) is under contract to Prosouth Builders, Inc. to complete a Cultural Resources Assessment of Tentative Parcel Numbers 20673 and 20674 Project (comprising two non-contiguous parcels; the project) located in Hesperia, San Bernardino County, California. A cultural resources records search, intensive-level pedestrian field survey, Native American Heritage Commission (NAHC) Sacred Lands File Search, and vertebrate paleontological resources overview were conducted for the project in partial fulfillment of the California Environmental Quality Act (CEQA). The records search results revealed that 19 previous cultural resource studies have taken place, and 18 cultural resources have been identified within the 0.5-mile research radius of the project site. Three of the previous studies have assessed both project sites, and one previous study has assessed a portion of the western project site. No cultural resources have been previously identified within either of project site boundaries. No cultural resources of any kind (including historic-period or prehistoric archaeological resources, or historic-period architectural resources) were identified during the field survey. Based on these results, no significant impact related to historical resources is anticipated and no further investigations are recommended for the proposed project unless:

- The proposed project is changed to include areas that have not been subject to this cultural resource assessment;
- Cultural materials are encountered during project activities.

The current study attempted to determine whether significant archaeological deposits were present on the proposed project site. Although none were yielded during the records search and field survey, ground-disturbing activities have the potential to reveal buried deposits not observed on the surface. Prior to the initiation of ground-disturbing activities, field personnel should be alerted to the possibility of buried prehistoric or historic cultural deposits. In the event that field personnel encounter buried cultural materials, work in the immediate vicinity of the find should cease and a qualified archaeologist should be retained to assess the significance of the find. The qualified archaeologist shall have the authority to stop or divert construction excavation as necessary. If the qualified archaeologist finds that any cultural resources present meet eligibility requirements for listing on the California Register or the National Register of Historic Places (National Register), plans for the treatment, evaluation, and mitigation of impacts to the find will need to be developed. Prehistoric or historic cultural materials that may be encountered during ground-disturbing activities include:

- historic-period artifacts such as glass bottles and fragments, cans, nails, ceramic and pottery fragments, and other metal objects;
- historic-period structural or building foundations, walkways, cisterns, pipes, privies, and other structural elements;
- prehistoric flaked-stone artifacts and debitage (waste material), consisting of obsidian, basalt, and or cryptocrystalline silicates;
- groundstone artifacts, including mortars, pestles, and grinding slabs;
- dark, greasy soil that may be associated with charcoal, ash, bone, shell, flaked stone, groundstone, and fire affected rocks;
- human remains.

Results of the Sacred Lands File search were positive. The NAHC recommended contacting the Chemehuevi Indian Tribe and the San Manuel Band of Mission Indians for more

information. The City will initiate Assembly Bill (AB) 52 Native American Consultation for the project with tribes, as required. Since the city will initiate and carry out the required Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff is available to answer questions and address concerns as necessary.

According to CEQA Guidelines, projects subject to CEQA must determine whether the project would “directly or indirectly destroy a unique paleontological resource”. The Paleontological Overview provided in Appendix B has recommended that:

The geologic units underlying the project area are mapped as alluvial fan units of gravel from the Pleistocene epoch (Dibblee and Minch, 2008). Pleistocene alluvial units are considered to be highly paleontologically sensitive. The Western Science Center does not have localities within the project area or within a 1 mile radius.

Any fossil specimen from the Tentative Parcel Numbers 20676 and 20674 Project would be scientifically significant. Excavation activity associated with the development of the project area would impact the paleontologically sensitive Pleistocene alluvial units, and it is the recommendation of the Western Science Center that a paleontological resource mitigation program be put in place to monitor, salvage, and curate any recovered fossils associated with the study area.

If human remains are encountered during any project activities, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the NAHC, which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC.

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INTRODUCTION

BCR Consulting LLC (BCR Consulting) is under contract to Prosouth Builders, Inc. to complete a Cultural Resources Assessment of Tentative Parcel Numbers 20673 and 20674 Project (comprising two non-contiguous parcels; the project) located in Hesperia, San Bernardino County, California. A cultural resources records search, intensive-level pedestrian field survey, Native American Heritage Commission (NAHC) Sacred Lands File Search, and vertebrate paleontological resources overview were conducted for the project in partial fulfillment of the California Environmental Quality Act (CEQA). The project sites occupy a portion of Section 23, Township 4 North, Range 4 West, San Bernardino Baseline and Meridian. They are depicted on the United States Geological Survey (USGS) *Hesperia, California* (1980) 7.5-minute topographic quadrangle (Figure 1).

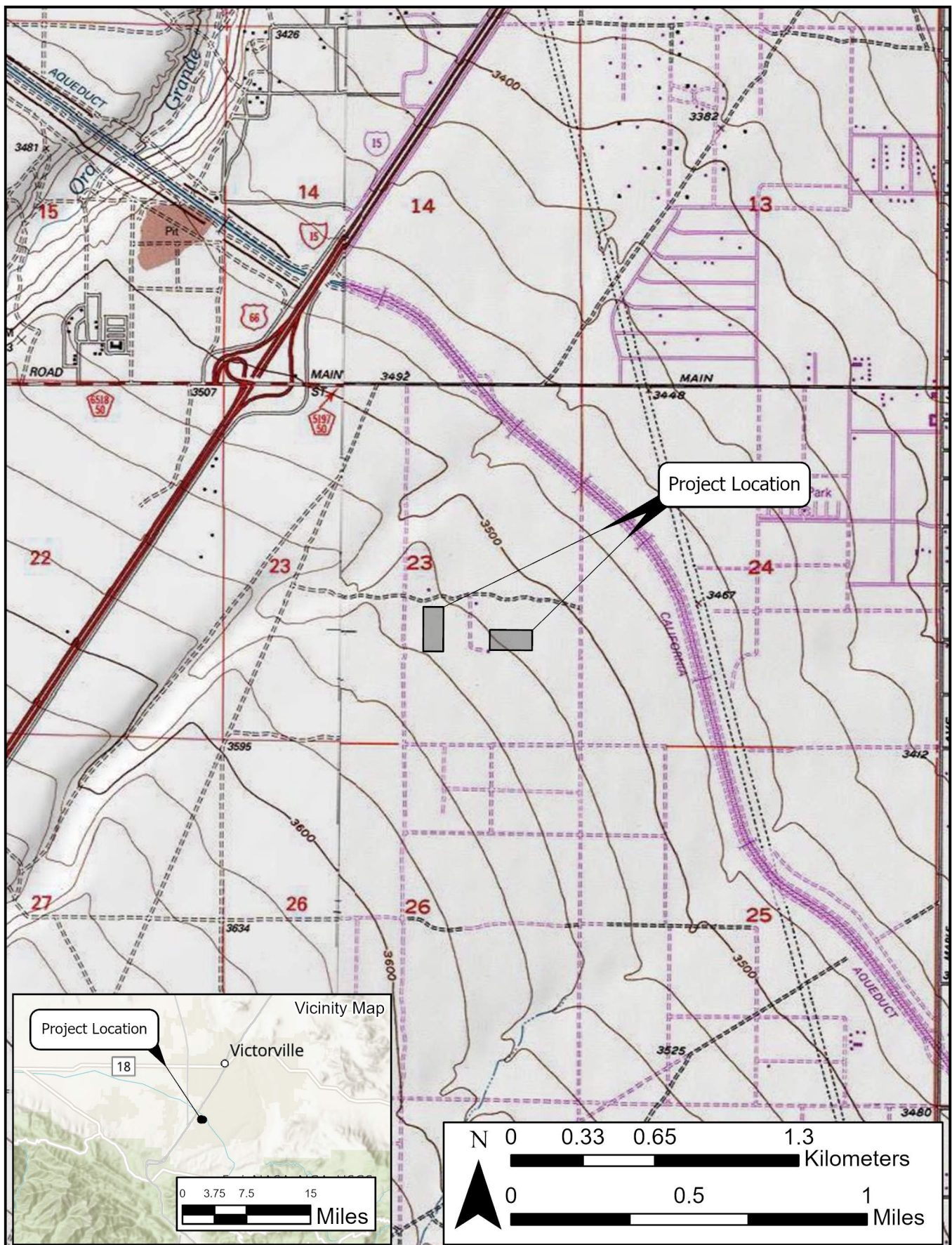
Regulatory Setting

The California Environmental Quality Act. CEQA applies to all discretionary projects undertaken or subject to approval by the state's public agencies (California Code of Regulations 14(3), § 15002(i)). Under CEQA, "A project with an effect that may cause a substantial adverse change in the significance of a historical resource is a project that may have a significant effect on the environment" (Cal. Code Regs. tit. 14(3), § 15064.5(b)). State CEQA Guidelines section 15064.5(a) defines a "historical resource" as a resource that meets one or more of the following criteria:

- Listed in, or eligible for listing in, the California Register of Historical Resources (California Register)
- Listed in a local register of historical resources (as defined at Cal. Public Res. Code § 5020.1(k))
- Identified as significant in a historical resource survey meeting the requirements of § 5024.1(g) of the Cal. Public Res. Code
- Determined to be a historical resource by a project's lead agency (Cal. Code Regs. tit. 14(3), § 15064.5(a))

A historical resource consists of "Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California...Generally, a resource shall be considered by the lead agency to be 'historically significant' if the resource meets the criteria for listing in the California Register of Historical Resources" (Cal. Code Regs. tit. 14(3), § 15064.5(a)(3)).

The significance of a historical resource is impaired when a project demolishes or materially alters in an adverse manner those physical characteristics of a historical resource that convey its historical significance and that justify its eligibility for the California Register. If an impact on a historical or archaeological resource is significant, CEQA requires feasible measures to minimize the impact (State CEQA Guidelines § 15126.4 (a)(1)). Mitigation of significant impacts must lessen or eliminate the physical impact that the project will have on the resource. Section 5024.1 of the Cal. Public Res. Code established the California Register. Generally, a resource is considered by the lead agency to be "historically significant" if the resource meets



Project Location Site

Figure 1

Tentative Parcel Numbers 20673 and 20674 Project

the criteria for listing in the California Register (Cal. Code Regs. tit. 14(3), § 15064.5(a)(3)). The eligibility criteria for the California Register are similar to those of the National Register of Historic Places (National Register), and a resource that meets one or more of the eligibility criteria of the National Register will be eligible for the California Register.

The California Register program encourages public recognition and protection of resources of architectural, historical, archaeological, and cultural significance, identifies historical resources for state and local planning purposes, determines eligibility for state historic preservation grant funding and affords certain protections under CEQA. Criteria for Designation:

1. Associated with events that have made a significant contribution to the broad patterns of local or regional history or the cultural heritage of California or the United States.
2. Associated with the lives of persons important to local, California or national history.
3. Embodies the distinctive characteristics of a type, period, region or method of construction or represents the work of a master or possesses high artistic values.
4. Has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California or the nation.

In addition to meeting one or more of the above criteria, the California Register requires that sufficient time has passed since a resource's period of significance to "obtain a scholarly perspective on the events or individuals associated with the resources." (CCR 4852 [d][2]). Fifty years is normally considered sufficient time for a potential historical resource, and in order that the evaluation remain valid for a minimum of five years after the date of this report, all resources older than 45 years (i.e. resources from the "historic-period") will be evaluated for California Register listing eligibility, or CEQA significance. The California Register also requires that a resource possess integrity. This is defined as the ability for the resource to convey its significance through seven aspects: location, setting, design, materials, workmanship, feeling, and association.

Finally, CEQA requires that significant effects on unique archaeological resources be considered and addressed. CEQA defines a unique archaeological resource as any archaeological artifact, object, or site about which it can be clearly demonstrated that, without merely adding to the current body of knowledge, there is a high probability that it meets any of the following criteria:

1. Contains information needed to answer important scientific research questions and there is a demonstrable public interest in that information.
2. Has a special and particular quality such as being the oldest of its type or the best available example of its type.
3. Is directly associated with a scientifically recognized important prehistoric or historic event or person.

CEQA Guidelines Section 15064.5 Appendix G includes significance criteria relative to archaeological and historical resources. These have been utilized as thresholds of significance here, and a project would have a significant environmental impact if it would:

- a) cause a substantial adverse change in the significance of a historical resource as defined in section 10564.5;
- b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to Section 10564.5;
- c) Disturb any human remains, including those interred outside of formal cemeteries.

Tribal Cultural Resources. The Legislature added requirements regarding tribal cultural resources for CEQA in Assembly Bill 52 (AB 52) that took effect July 1, 2015. AB 52 requires consultation with California Native American tribes and consideration of tribal cultural resources in the CEQA process. By including tribal cultural resources early in the CEQA process, the legislature intended to ensure that local and Tribal governments, public agencies, and project proponents would have information available, early in the project planning process, to identify and address potential adverse impacts to tribal cultural resources. By taking this proactive approach, the legislature also intended to reduce the potential for delay and conflicts in the environmental review process. To help determine whether a project may have such an effect, the Public Resources Code requires a lead agency to consult with any California Native American tribe that requests consultation and is traditionally and culturally affiliated with the geographic area of a Proposed Project. Since the City will initiate and carry out the required AB52 Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff are available to answer questions and address comments as necessary.

Paleontological Resources. CEQA provides guidance relative to significant impacts on paleontological resources, indicating that a project would have a significant impact on paleontological resources if it disturbs or destroys a unique paleontological resource or site or unique geologic feature. Section 5097.5 of the California Public Resources Code specifies that any unauthorized removal of paleontological remains is a misdemeanor. Further, California Penal Code Section 622.5 sets the penalties for damage or removal of paleontological resources. CEQA documentation prepared for projects would be required to analyze paleontological resources as a condition of the CEQA process to disclose potential impacts. Please note that as of January 2018 paleontological resources are considered in the geological rather than cultural category. Therefore, paleontological resources are not summarized in the body of this report. A paleontological overview completed by the Western Science Center is provided as Appendix B.

NATURAL SETTING

Geology

The project is located in the southwestern portion of the Mojave Desert. Sediments within the project boundaries include a geologic unit composed of older dissected surficial sediments consisting of lower remnants of older alluvium, gray to brown, of locally derived detritus from

the Pleistocene (Dibblee 2008). Field observations during the current study are basically consistent with these descriptions, and are described further in Results, below.

Hydrology

The project elevation ranges from approximately 3510 to 3540 feet above mean sea level (AMSL). Sheetwashing and some rilling occur generally from the southwest to the northeast. The project site drains into unnamed drainages that convey water towards culverts that cross the California Aqueduct approximately 0.45 miles to the northeast of the project. To the south, the peaks of the San Gabriel Mountains rise above 10,000 feet and are often capped with snow until late spring or early summer. The area currently exhibits a relatively arid climate, with dry, hot summers and cool winters. Rainfall ranges from five to 15 inches annually (Jaeger and Smith 1971:36-37). Precipitation usually occurs in the form of winter and spring rain or snow at high elevations, with occasional warm monsoonal showers in late summer.

Biology

The mild climate of the late Pleistocene allowed piñon-juniper woodland to thrive throughout most of the Mojave (Van Devender et al. 1987). The vegetation and climate during this epoch attracted significant numbers of Rancholabrean fauna, including dire wolf, saber toothed cat, short-faced bear, horse, camel, antelope, mammoth, as well as birds which included pelican, goose, duck, cormorant, and eagle (Reynolds 1988). The drier climate of the middle Holocene resulted in the local development of complementary flora and fauna, which remain largely intact to this day. Common native plants include creosote, cacti, rabbit bush, interior golden bush, cheese bush, species of sage, buckwheat at higher elevations and near drainages, Joshua tree, and various grasses. Common native animals include coyotes, cottontail and jackrabbits, rats, mice, desert tortoises, roadrunners, raptors, turkey vultures, and other bird species (see Williams et al. 2008).

CULTURAL SETTING

Prehistory

The prehistoric cultural setting of the Mojave Desert has been organized into many chronological frameworks (see Warren and Crabtree 1986; Bettinger and Taylor 1974; Lanning 1963; Hunt 1960; Wallace 1958, 1962, 1977; Wallace and Taylor 1978; Campbell and Campbell 1935), although there is no definitive sequence for the region. The difficulties in establishing cultural chronologies for the Mojave are a function of its enormous size and the small amount of archaeological excavations conducted there. Moreover, throughout prehistory many groups have occupied the Mojave and their territories often overlap spatially and chronologically resulting in mixed artifact deposits. Due to dry climate and capricious geological processes, these artifacts rarely become integrated in-situ. Lacking a milieu hospitable to the preservation of cultural midden, Mojave chronologies have relied upon temporally diagnostic artifacts, such as projectile points, or upon the presence/absence of other temporal indicators, such as groundstone. Such methods are instructive, but can be limited by prehistoric occupants' concurrent use of different artifact styles, or by artifact re-use or re-sharpening, as well as researchers' mistaken diagnosis, and other factors (see Flenniken 1985; Flenniken and Raymond 1986; Flenniken and Wilke 1989). Recognizing the shortcomings of comparative temporal indicators, this study synthesizes Warren and Crabtree

(1986), who have drawn upon this method to produce a commonly cited and relatively comprehensive chronology.

Paleoindian (12,000 to 10,000 BP) and Lake Mojave (10,000 to 7,000 BP) Periods. Climatic warming characterizes the transition from the Paleoindian Period to the Lake Mojave Period. This transition also marks the end of Pleistocene Epoch and ushers in the Holocene. The Paleoindian Period has been loosely defined by isolated fluted (such as Clovis) projectile points, dated by their association with similar artifacts discovered in-situ in the Great Plains (Sutton 1996:227-228). Some fluted bifaces have been associated with fossil remains of Rancholabrean mammals approximately dated to ca. 13,300-10,800 BP near China Lake in the northern Mojave Desert. The Lake Mojave Period has been associated with cultural adaptations to moist conditions, and resource allocation pointing to more lacustrine environments than previously (Bedwell 1973; Hester 1973). Artifacts that characterize this period include stemmed points, flake and core scrapers, choppers, hammerstones, and crescentics (Warren and Crabtree 1986:184). Projectile points associated with the period include the Silver Lake and Lake Mojave styles. Lake Mojave sites commonly occur on shorelines of Pleistocene lakes and streams, where geological surfaces of that epoch have been identified (Basgall and Hall 1994:69).

Pinto Period (7,000 to 4,000 BP). The Pinto Period has been largely characterized by desiccation of the Mojave. As formerly rich lacustrine environments began to disappear, the artifact record reveals more sporadic occupation of the Mojave, indicating occupants' recession to the more hospitable fringes (Warren 1984). Pinto Period sites are rare, and are characterized by surface manifestations that usually lack significant in-situ remains. Artifacts from this era include Pinto projectile points and a flake industry similar to the Lake Mojave tool complex (Warren 1984), though use of Pinto projectile points as an index artifact for the era has been disputed (see Schroth 1994). Milling stones have also occasionally been associated with sites of this period (Warren 1984).

Gypsum Period. (4,000 to 1,500 BP). A temporary return to moister conditions during the Gypsum Period is postulated to have encouraged technological diversification afforded by the relative abundance of resources (Warren 1984:419-420; Warren and Crabtree 1986:189). Lacustrine environments reappear and begin to be exploited during this era (Shutler 1961, 1968). Concurrently a more diverse artifact assemblage reflects intensified reliance on plant resources. The new artifacts include milling stones, mortars, pestles, and a proliferation of Humboldt Concave Base, Gypsum Cave, Elko Eared, and Elko Corner-notched dart points (Warren 1984; Warren and Crabtree 1986). Other artifacts include leaf-shaped projectile points, rectangular-based knives, drills, large scraper planes, choppers, hammer stones, shaft straighteners, incised stone pendants, and drilled slate tubes. The bow and arrow appears around 2,000 BP, evidenced by the presence of a smaller type of projectile point, the Rose Spring point (Rogers 1939; Shutler 1961).

Saratoga Springs Period (1,500 to 800 BP). During the Saratoga Springs Period regional cultural diversifications of Gypsum Period developments are evident within the Mojave. Basketmaker III (Anasazi) pottery appears during this period, and has been associated with turquoise mining in the eastern Mojave Desert (Warren and Crabtree 1986:191). Influences from Patayan/Yuman assemblages are apparent in the southern Mojave, and include buff and brown wares often associated with Cottonwood and Desert Side-notched projectile points (Warren 1984:423). Obsidian becomes more commonly used throughout the Mojave and characteristic artifacts of the period include milling stones, mortars, pestles, ceramics, and

ornamental and ritual objects. More structured settlement patterns are evidenced by the presence of large villages, and three types of identifiable archaeological sites (major habitation, temporary camps, and processing stations) emerge (McGuire and Hall 1988). Diversity of resource exploitation continues to expand, indicating a much more generalized, somewhat less mobile subsistence strategy.

Shoshonean Period (800 BP to Contact). The Shoshonean period is the first to benefit from contact-era ethnography –as well as be subject to its inherent biases. Interviews of living informants allowed anthropologists to match artifact assemblages and particular traditions with linguistic groups, and plot them geographically (see Kroeber 1925; Gifford 1918; Strong 1929). During the Shoshonean Period continued diversification of site assemblages, and reduced Anasazi influence both coincide with the expansion of Numic (Uto-Aztecan language family) speakers across the Great Basin, Takic (Uto-Aztecan language family) speakers into southern California, and the Hopi across the Southwest (Sutton 1996). Hunting and gathering continued to diversify, and the diagnostic arrow points include desert side-notch and cottonwood triangular. Ceramics continue to proliferate, though are more common in the southern Mojave during this period (Warren and Crabtree 1986). Trade routes have become well established across the Mojave, particularly the Mojave Trail, which transported goods and news across the desert via the Mojave River, to the west of the current project. Trade in the western Mojave was more closely related to coastal groups than others.

Ethnography

The Uto-Aztecan “Serrano” people occupied the western Mojave Desert periphery. Kroeber (1925) applied the generic term “Serrano” to four groups, each with distinct territories: the Kitanemuk, Tataviam, Vanyume, and Serrano. Only one group, in the San Bernardino Mountains and West-Central Mojave Desert, ethnically claims the term Serrano. Bean and Smith (1978) indicate that the Vanyume, an obscure Takic population, was found along the Mojave River at the time of Spanish contact. The Kitanemuk lived to the north and west, while the Tataviam lived to the west. The Serrano lived mainly to the south (Bean and Smith 1978). All may have used the western Mojave area seasonally. Historical records are unclear concerning precise territory and village locations. It is doubtful that any group, except the Vanyume, actually lived in the region for several seasons yearly.

History

Historic-era California is generally divided into three periods: the Spanish or Mission Period (1769 to 1821), the Mexican or Rancho Period (1821 to 1848), and the American Period (1848 to present).

Spanish Period. The first European to pass through the project area is thought to be a Spaniard called Father Francisco Garces. Having become familiar with the area, Garces acted as a guide to Juan Bautista de Anza, who had been commissioned to lead a group across the desert from a Spanish outpost in Arizona to set up quarters at the Mission San Gabriel in 1771 near what today is Pasadena (Beck and Haase 1974). This is the first recorded group crossing of the Mojave Desert and, according to Father Garces’ journal, they camped at the headwaters of the Mojave River, one night less than a day’s march from the mountains. Today, this is estimated to have been approximately 11 miles southeast of Victorville (Marenczuk 1962). Garces was followed by Alta California Governor Pedro Fages, who briefly explored the western Mojave region in 1772. Searching for San Diego Presidio deserters, Fages had traveled north through Riverside to San Bernardino, crossed over the mountains into the

Mojave Desert, and then journeyed westward to the San Joaquin Valley (Beck and Haase 1974).

Mexican Period. In 1821, Mexico overthrew Spanish rule and the missions began to decline. By 1833, the Mexican government passed the Secularization Act, and the missions, reorganized as parish churches, lost their vast land holdings, and released their neophytes (Beattie and Beattie 1974).

American Period. The American Period, 1848–Present, began with the Treaty of Guadalupe Hidalgo. The Gold Rush had attracted huge numbers of American settlers and in 1850, California was accepted into the Union. The cattle industry reached its greatest prosperity during the first years of the American Period. Mexican Period land grants had created large pastoral estates in California, and demand for beef during the Gold Rush led to a cattle boom that lasted from 1849–1855. However, beginning about 1855, the demand for beef began to decline due to imports of sheep and cattle from the eastern U.S. When the beef market collapsed, many California ranchers lost their ranchos. A series of disastrous floods in 1861–1862, followed by a significant drought diminished the economic impact of local ranching. This decline combined with ubiquitous agricultural and real estate developments of the late 19th century, set the stage for diversified economic pursuits that have continued to proliferate to this day (Beattie and Beattie 1974; Cleland 1941).

PERSONNEL

David Brunzell, M.A., RPA, acted as the Project Manager/Principal Investigator for the current study and authored the technical report. BCR Consulting Archaeological Field Director, Nicholas Shepetuk, B.A., performed the records search through the South Central Coastal Information Center (SCCIC) at California State University, Fullerton. BCR Consulting Archaeological Crew Chief, Timothy Blood, M.S., carried out the pedestrian field survey and provided contributions to the report.

METHODS

Research

Mr. Shepetuk completed an archaeological records search on February 14, 2024, using SCCIC records of California State University, Fullerton for the current project. This archival research reviewed the status of all recorded historic and prehistoric cultural resources, and survey and excavation reports completed within the project site boundaries and within a 0.5-mile radius of it. Additional resources reviewed included the National Register of Historic Places (National Register), the California Register, the Built Environmental Resource Directory (BERD), and documents and inventories published by the California Office of Historic Preservation. These include the lists of California Historical Landmarks, California Points of Historical Interest, Listing of National Register Properties, and the Inventory of Historic Structures.

Field Survey

An intensive-level cultural resources field survey of the project site was conducted on February 12, 2024. The survey was conducted by walking parallel transects spaced approximately 15 meters apart across the project site. Digital photographs were taken at various points within the project site.

RESULTS

Research

Data from the South Central Coastal Information Center (SCCIC) revealed that 19 previous cultural resource studies have taken place, and 18 cultural resources have been identified within the 0.5-mile research radius of the project site. Three of the previous studies have assessed both project sites, and one previous study has assessed a portion of the western project site. No cultural resources have been previously identified within either of the project sites. The records search is summarized in Table A, and a bibliography is provided in Appendix D.

Table A. Cultural Resources and Reports Within One Half-Mile of the Project Site

USGS Quad	Cultural Resources	Studies
<i>Baldy Mesa, California</i> (1988); <i>Hesperia, California</i> (1980)	P-36-4251: Historic-Period Road (0.35-Miles NW) P-36-4275: Houghton's Crossing Road (0.4-Miles NW) P-36-10315: Historic-Period Utility Line (0.5-Miles E) P-36-11264: Historic-Period Scatter (0.35-Miles NE) P-36-11265: Historic-Period Scatter (0.2-Miles E) P-36-11266: Historic-Period Scatter (0.3-Miles E) P-36-11267: Historic-Period Road (0.2-Miles E) P-36-11268: Historic-Period Scatter (0.4-Miles E) P-36-11269: Historic-Period Scatter (0.25-Miles E) P-36-11270: Historic-Period Scatter (0.3-Miles SE) P-36-11271: Historic-Period Scatter (0.45-Miles SE) P-36-11272: Historic-Period Road (0.2-Miles NE) P-36-11273: Historic-Period Road (0.35-Miles SE) P-36-13777: Historic-Period Scatter (0.3-Miles SE) P-36-21351: East Branch CA Aqueduct (0.45-Miles E) P-36-34056: Historic-Period Road (0.4-Miles NW) P-36-64587: N/A; Records Search Error (0.3-Miles NW) P-36-64588: Historic-Period Isolate (0.25-Miles E)	SB-1025*, 1026*, 1027*, 2395, 3020, 3703, 4182, 4191, 4193, 4283, 4792, 4793, 5216, 6510**, 6652, 7505, 7847, 7953, 8098

*Previously assessed both project sites for cultural resources.

**Previously assessed the northern portion of the western project site for cultural resources.

Field Survey

During the field survey, BCR Consulting archaeologists identified no cultural resources (including historic-period or prehistoric archaeological sites, or historic-period architectural resources) of any kind within the project site boundaries. The project has been subject to severe artificial disturbances associated with vegetation grubbing and clearing, and modern refuse dumping (see Appendix C). Although most of the vegetation inside the project site was recently removed, vegetation in the surrounding area was characteristic of juniper and Joshua tree woodland habitats, which afforded surface visibility of 100 percent. Surficial sediments observed were chiefly composed of dry, light-yellowish-brown silt loam, with moderate levels of gravel.

RECOMMENDATIONS

BCR Consulting conducted a cultural resources assessment of the Tentative Parcel Numbers 20673 and 20674 Project in the City of Hesperia, San Bernardino County, California. No cultural resources of any kind (including historic-period or prehistoric archaeological resources, or historic-period architectural resources) were identified within the project site. Therefore, no significant impact related to historical resources is anticipated and no further investigations are recommended unless:

- The proposed project is changed to include areas that have not been subject to this cultural resource assessment;
- Cultural materials are encountered during project activities.

The current study attempted to determine whether significant archaeological deposits were present on the proposed project site. Although none were yielded during the records search and field survey, ground-disturbing activities have the potential to reveal buried deposits not observed on the surface. Prior to the initiation of ground-disturbing activities, field personnel should be alerted to the possibility of buried prehistoric or historic cultural deposits. In the event that field personnel encounter buried cultural materials, work in the immediate vicinity of the find should cease and a qualified archaeologist should be retained to assess the significance of the find. The qualified archaeologist shall have the authority to stop or divert construction excavation as necessary. If the qualified archaeologist finds that any cultural resources present meet eligibility requirements for listing on the California Register or the National Register of Historic Places (National Register), plans for the treatment, evaluation, and mitigation of impacts to the find will need to be developed. Prehistoric or historic cultural materials that may be encountered during ground-disturbing activities include:

- historic-period artifacts such as glass bottles and fragments, cans, nails, ceramic and pottery fragments, and other metal objects;
- historic-period structural or building foundations, walkways, cisterns, pipes, privies, and other structural elements;
- prehistoric flaked-stone artifacts and debitage (waste material), consisting of obsidian, basalt, and or cryptocrystalline silicates;
- groundstone artifacts, including mortars, pestles, and grinding slabs;
- dark, greasy soil that may be associated with charcoal, ash, bone, shell, flaked stone, groundstone, and fire affected rocks;
- human remains.

A Sacred Lands File search with the NAHC was initiated in November. Results of the Sacred Lands File search were positive and the NAHC recommended contacting the Chemehuevi Indian Tribe and the San Manuel Band of Mission Indians for more information. The City will initiate Assembly Bill (AB) 52 Native American Consultation for the project with tribes, as required. Since the city will initiate and carry out the required Native American Consultation, the results of the consultation are not provided in this report. However, this report may be used during the consultation process, and BCR Consulting staff is available to answer questions and address concerns as necessary.

According to CEQA Guidelines, projects subject to CEQA must determine whether the project would “directly or indirectly destroy a unique paleontological resource”. The Paleontological

Overview provided in Appendix B has recommended that:

The geologic units underlying the project area are mapped as alluvial fan units of gravel from the Pleistocene epoch (Dibblee and Minch, 2008). Pleistocene alluvial units are considered to be highly paleontologically sensitive. The Western Science Center does not have localities within the project area or within a 1 mile radius.

Any fossil specimen from the Tentative Parcel Numbers 20676 and 20674 Project would be scientifically significant. Excavation activity associated with the development of the project area would impact the paleontologically sensitive Pleistocene alluvial units, and it is the recommendation of the Western Science Center that a paleontological resource mitigation program be put in place to monitor, salvage, and curate any recovered fossils associated with the study area.

If human remains are encountered during any project activities, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner must be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner will notify the NAHC, which will determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 48 hours of notification by the NAHC.

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APPENDIX A

NATIVE AMERICAN HERITAGE COMMISSION CORRESPONDENCE

CHAIRPERSON
Reginald Pagaling
Chumash

STATE OF CALIFORNIA

Gavin Newsom, Governor

NATIVE AMERICAN HERITAGE COMMISSION

VICE-CHAIRPERSON
Buffy McQuillen
Yokayo Pomo, Yuki,
Nomlaki

February 12, 2024

Timothy Blood
BCR Consulting LLC

SECRETARY
Sara Dutschke
Miwok

Via Email to: bcrllc2008@gmail.com

PARLIAMENTARIAN
Wayne Nelson
Luiseño

Re: Tentative Parcel Numbers 20673 and 20674 (PSB2401) Project, San Bernardino County

To Whom It May Concern:

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

A record search of the Native American Heritage Commission (NAHC) Sacred Lands File (SLF) was completed for the information submitted for the above referenced project. The results were positive. Please contact the Chemehuevi Indian Tribe and San Manuel Band of Mission Indians on the attached list for information. Please note that tribes do not always record their sacred sites in the SLF, nor are they required to do so. A SLF search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with a project's geographic area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites, such as the appropriate regional California Historical Research Information System (CHRIS) archaeological Information Center for the presence of recorded archaeological sites.

COMMISSIONER
Stanley Rodriguez
Kumeyaay

COMMISSIONER
Laurena Bolden
Serrano

Attached is a list of Native American tribes who may also have knowledge of cultural resources in the project area. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. Please contact all of those listed; if they cannot supply information, they may recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call or email to ensure that the project information has been received.

COMMISSIONER
Reid Milanovich
Cahuilla

COMMISSIONER
Vacant

If you receive notification of change of addresses and phone numbers from tribes, please notify the NAHC. With your assistance, we can assure that our lists contain current information.

EXECUTIVE SECRETARY
Raymond C. Hitchcock
Miwok, Nisenan

If you have any questions or need additional information, please contact me at my email address: Murphy.Donahue@NAHC.ca.gov

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

Sincerely,



Murphy Donahue
Cultural Resources Analyst

Attachment

APPENDIX B

PALEONTOLOGICAL RESOURCES OVERVIEW



March 22nd, 2024

BCR Consulting, LLC
Timothy Blood
505 W. 8th St.
Claremont, CA 91711

Dear Mr. Blood,

This letter presents the results of a record search conducted for Tentative Parcel Numbers 20673 and 20674 Project in the City of Hesperia, San Bernardino County, CA. The project site is located in two parcels north of Hollister Street, south of Sultana Street, and east of Escondido Avenue in Township 4 South, Range 4 West, Section 23 on the *Hesperia, CA* USGS 7.5 minute quadrangle.

The geologic units underlying the project area are mapped as alluvial fan units of gravel from the Pleistocene epoch (Dibblee and Minch, 2008). Pleistocene alluvial units are considered to be highly paleontologically sensitive. The Western Science Center does not have localities within the project area or within a 1 mile radius.

Any fossil specimen from the Tentative Parcel Numbers 20673 and 20674 Project would be scientifically significant. Excavation activity associated with the development of the project area would impact the paleontologically sensitive Pleistocene alluvial units, and it is the recommendation of the Western Science Center that a paleontological resource mitigation program be put in place to monitor, salvage, and curate any recovered fossils associated with the study area.

If you have any questions, or would like further information, please feel free to contact me at bstoneburg@westerncentermuseum.org.

Sincerely,

A handwritten signature in black ink, appearing to read 'Brittney Stoneburg', with a stylized, flowing script.

Brittney Elizabeth Stoneburg, MSc
Collections Manager

Tentative Parcel Numbers 20673 and 20674 Project

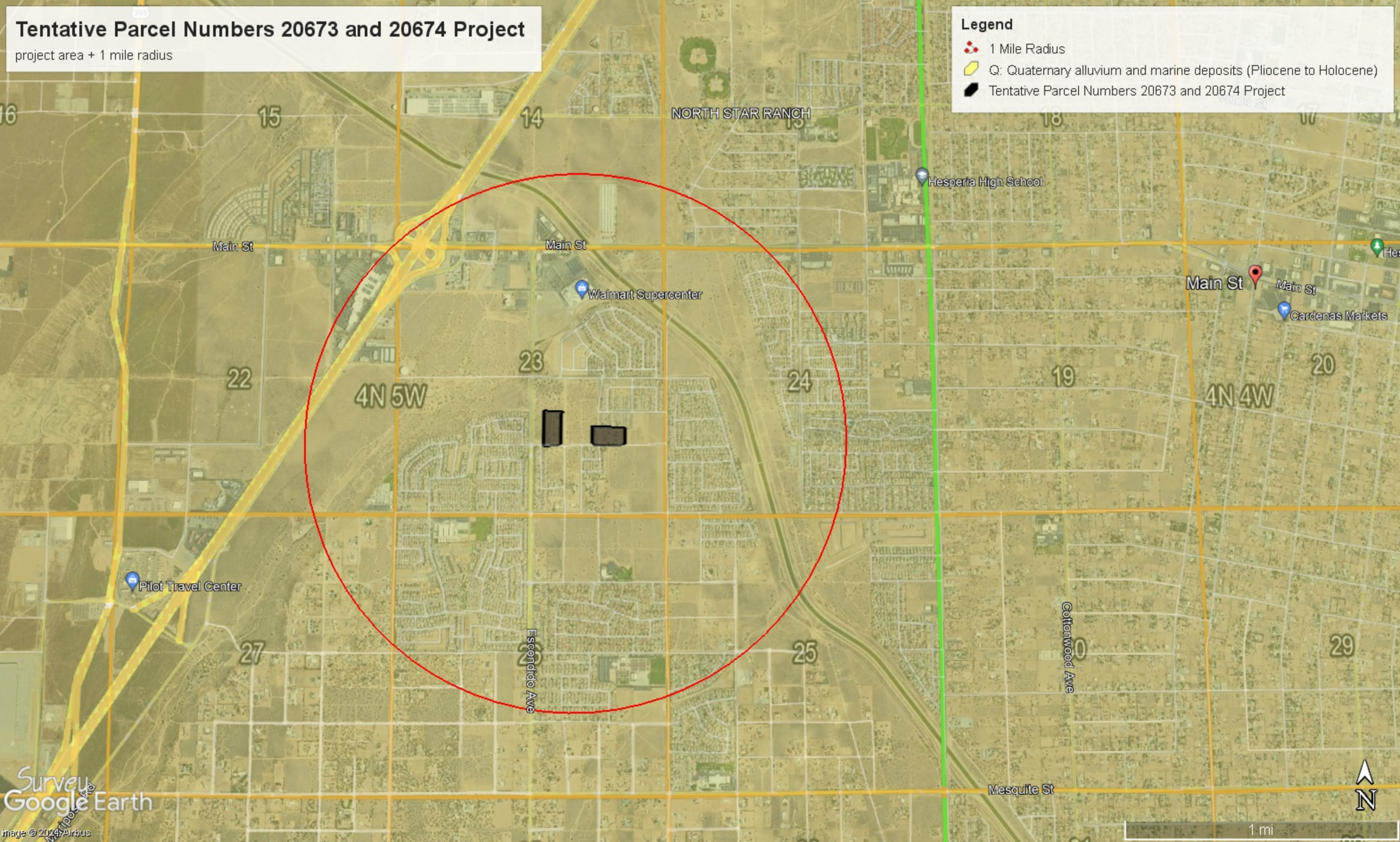
project area + 1 mile radius

Legend

 1 Mile Radius

 Q: Quaternary alluvium and marine deposits (Pliocene to Holocene)

 Tentative Parcel Numbers 20673 and 20674 Project



APPENDIX C

PROJECT PHOTOGRAPHS



Photo 1: Overview of Tentative Tract No. 20674 from SW Corner (View NE)



Photo 2: Overview of Tentative Tract No. 20674 from Its NW Corner (View SE)



Photo 3: Overview of Tentative Tract No. 20674 from Near N Boundary (View N)



Photo 4: Overview of Tentative Tract No. 20674 from SE Corner (View NE)



Photo 5: Overview of Tentative Tract No. 20673 from Its NW Corner (View ESE)



Photo 6: Overview of Tentative Tract No. 20673 from SW Corner (View ENE)

APPENDIX D

RECORDS SEARCH BIBLIOGRAPHY

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-36-004251	CA-SBR-004251H	Resource Name - Baldy Mesa Pole Line; Other - SBCM-4641; Other - SRI-6309	Structure	Historic	AH04; AH07; HP11; HP37	1980 (R.Reynolds, SBCM); 1991 (J Petersen, Archaeological Research Unit); 1993 (Kenneth Becker, RMW Paleo); 1993 (Kenneth Becker, RMW Paleo); 2009 (Kathrine Anderson, ESA); 2010 (J Coleman, Solano Archaeological Services); 2011 (Josh Trampier, SRI); 2018 (Carleton Bennett, LSA)	SB-01027, SB-01258, SB-02447, SB-03020, SB-03364, SB-04283, SB-06869, SB-07840
P-36-004275	CA-SBR-004275H	Resource Name - Toll Road - Houghton's Crossing Road; Other - SBCM-4665	Site, Other	Historic	AH07; HP37	1980 (R.Reynolds); 1991 (Knell, RMW Paleo); 1993 (Becker; Phillips); 2002 (Cotterman); 2010 (Molly Valasik)	SB-01027, SB-02238, SB-03020, SB-04283, SB-06957, SB-07495
P-36-006458	CA-SBR-006458	C154-3(J)			AP02	1989 (Mikkelsen et al.)	SB-02235
P-36-010315	CA-SBR-010315H	Resource Name - Edison Company Boulder Dam-San Bernardino Electrical Transmission Line; Other - San Bernardino-Boulder Dam 132 Kv Line; Other - Boulder Dam-San Bernardino 115Kv Line; Other - SRI-451; Other - IF-88-25, AT&T 6; Other - PSBR-38H; Other - 132kV Hoover Dam Transmission Line	Structure, Site	Historic	AH04; AH07; AH11; AH16; HP11; HP37	1988 (N. Neuenschwander, Peak & Associates, Inc); 1989 (J. Brock, Archaeo Advisory Group); 1993; 1997 (Neal Neuenschwander, Peak & Associates); 1997 (Carrie Wills, WSA); 2006 (Roger Hatheway, Hatheyway & Associates); 2008; 2008 (Jay K. Sander, Chambers); 2009 (Stephen Pappas, ECORP); 2010 (J. Howard, ECORP); 2011 (S. Kremkau, SRI); 2011 (Justin Lev-Tov, SRI); 2012 (C. Bodmer, Chambers Group, Inc); 2012 (N. Lawson, CH2M Hill); 2013 (C. Higgins, Far Western); 2013 (M. O'Neill, Pacific Legacy); 2014 (Wendly L. Tinsley Becker, Urbana Preservation & Planning); 2015 (Audry Williams, SCE); 2018 (Carole Denardo, L&L)	SB-02315, SB-03668, SB-03729, SB-03789, SB-03795, SB-03799, SB-03842, SB-03843, SB-04427, SB-04861, SB-04878, SB-04898, SB-05335, SB-06042, SB-06517, SB-06731, SB-06893, SB-07523, SB-07623, SB-07870, SB-08031, SB-08083

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-36-011264	CA-SBR-011264H	Resource Name - PC-1	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011265	CA-SBR-011265H	Resource Name - PC-2	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011266	CA-SBR-011266H	Resource Name - PC-3	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011267	CA-SBR-011267H	Resource Name - PC-4	Site	Historic	AH07	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011268	CA-SBR-011268H	Resource Name - PC-5	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011269	CA-SBR-011269H	Resource Name - PC-6	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011270	CA-SBR-011270H	Resource Name - PC-7	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011271	CA-SBR-011271H	Resource Name - PC-8	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011272	CA-SBR-011272H	Resource Name - PC-9	Site	Historic	AH07	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	SB-06510
P-36-011273	CA-SBR-011273H	Resource Name - PC-10	Site	Historic	AH07	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS); 2009 (Madelaine Bray, ESA)	
P-36-013777	CA-SBR-012664H	Resource Name - ACS-PC-11	Site	Historic	AH04	2004 (S. Alexandrowicz, ACS)	SB-04193

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-36-021351	CA-SBR-015913H	Resource Name - East Branch of the California Aqueduct; Other - Goodwin Drive/Goss Road Bridge; Other - Duncan Road Bridge; Other - Maple Avenue Bridge; Other - Mesquite Street Bridge; Other - Ranchero Road Bridge; Other - SRI-5124; Other - CNX-19	Structure	Historic	AH06; HP19; HP20	2008 (Jeremy Hollins, URS); 2009 (ESA); 2011 (Kremkau, SRI); 2011 (Ambacher, AECOM); 2011 (Anderson, ESA); 2012 (M. O'Neill, Pacific Legacy); 2018 (Laura Voisin George, ASM); 2019	SB-06652, SB-07405
P-36-034056	CA-SBR-034056H	Resource Name - LSA-KSP1801-R-1	Site	Historic	AH04; AH07	2019 (Riordan Goodwin, LSA)	
P-36-064588		Resource Name - PC-Isolate 2; bottle fragments	Other	Historic	AH04	2001 (ALEXANDROWICZ, ACS)	

Resource List

Primary No.	Trinomial	Other IDs	Type	Age	Attribute codes	Recorded by	Reports
P-36-004251	CA-SBR-004251H	Resource Name - Baldy Mesa Pole Line; Other - SBCM-4641; Other - SRI-6309	Structure	Historic	AH04; AH07; HP11; HP37	1980 (R.Reynolds, SBCM); 1991 (J Petersen, Archaeological Research Unit); 1993 (Kenneth Becker, RMW Paleo); 1993 (Kenneth Becker, RMW Paleo); 2009 (Kathrine Anderson, ESA); 2010 (J Coleman, Solano Archaeological Services); 2011 (Josh Trampier, SRI); 2018 (Carleton Bennett, LSA)	SB-01027, SB-01258, SB-02447, SB-03020, SB-03364, SB-04283, SB-06869, SB-07840
P-36-004275	CA-SBR-004275H	Resource Name - Toll Road - Houghton's Crossing Road; Other - SBCM-4665	Site, Other	Historic	AH07; HP37	1980 (R.Reynolds); 1991 (Knell, RMW Paleo); 1993 (Becker; Phillips); 2002 (Cotterman); 2010 (Molly Valasik)	SB-01027, SB-02238, SB-03020, SB-04283, SB-06957, SB-07495
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P-36-010315	CA-SBR-010315H	Resource Name - Edison Company Boulder Dam-San Bernardino Electrical Transmission Line; Other - San Bernardino-Boulder Dam 132 Kv Line; Other - Boulder Dam-San Bernardino 115Kv Line; Other - SRI-451; Other - IF-88-25, AT&T 6; Other - PSBR-38H; Other - 132kV Hoover Dam Transmission Line	Structure, Site	Historic	AH04; AH07; AH11; AH16; HP11; HP37	1988 (N. Neuenschwander, Peak & Associates, Inc); 1989 (J. Brock, Archaeo Advisory Group); 1993; 1997 (Neal Neuenschwander, Peak & Associates); 1997 (Carrie Wills, WSA); 2006 (Roger Hatheway, Hatheyway & Associates); 2008; 2008 (Jay K. Sander, Chambers); 2009 (Stephen Pappas, ECORP); 2010 (J. Howard, ECORP); 2011 (S. Kremkau, SRI); 2011 (Justin Lev-Tov, SRI); 2012 (C. Bodmer, Chambers Group, Inc); 2012 (N. Lawson, CH2M Hill); 2013 (C. Higgins, Far Western); 2013 (M. O'Neill, Pacific Legacy); 2014 (Wendly L. Tinsley Becker, Urbana Preservation & Planning); 2015 (Audry Williams, SCE); 2018 (Carole Denardo, L&L)	SB-02315, SB-03668, SB-03729, SB-03789, SB-03795, SB-03799, SB-03842, SB-03843, SB-04427, SB-04861, SB-04878, SB-04898, SB-05335, SB-06042, SB-06517, SB-06731, SB-06893, SB-07523, SB-07623, SB-07870, SB-08031, SB-08083

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P-36-011265	CA-SBR-011265H	Resource Name - PC-2	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011266	CA-SBR-011266H	Resource Name - PC-3	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011267	CA-SBR-011267H	Resource Name - PC-4	Site	Historic	AH07	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011268	CA-SBR-011268H	Resource Name - PC-5	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011269	CA-SBR-011269H	Resource Name - PC-6	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011270	CA-SBR-011270H	Resource Name - PC-7	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011271	CA-SBR-011271H	Resource Name - PC-8	Site	Historic	AH04	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	
P-36-011272	CA-SBR-011272H	Resource Name - PC-9	Site	Historic	AH07	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS)	SB-06510
P-36-011273	CA-SBR-011273H	Resource Name - PC-10	Site	Historic	AH07	2001 (John S. Alexandrowicz, Archaeological Consulting Services, ACS); 2009 (Madelaine Bray, ESA)	
P-36-013777	CA-SBR-012664H	Resource Name - ACS-PC-11	Site	Historic	AH04	2004 (S. Alexandrowicz, ACS)	SB-04193

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P-36-034056	CA-SBR-034056H	Resource Name - LSA-KSP1801-R-1	Site	Historic	AH04; AH07	2019 (Riordan Goodwin, LSA)	
P-36-064588		Resource Name - PC-Isolate 2; bottle fragments	Other	Historic	AH04	2001 (ALEXANDROWICZ, ACS)	