

# **Toscana Village at Temescal Valley Project Environmental Assessment**

## **Appendix A: Cultural Resources Assessment**

**PHASE I CULTURAL RESOURCES ASSESSMENT**

**Temescal Canyon Gateway Center Project**

**Assessor Parcel Numbers 290-130-003, -004, -005, -006, -052, -053, -054, -055**

**Unincorporated Riverside County, California**



**BCRCONSULTING LLC**

May 15, 2014

**PHASE I CULTURAL RESOURCES ASSESSMENT**  
**Temescal Canyon Gateway Center Project**  
**Assessor Parcel Numbers 290-130-003, -004, -005, -006, -052, -053, -054, -055**  
**Unincorporated Riverside County, California**

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BCR Consulting LLC Project No. RVA1402

*Site Recorded: CA-RIV-3832H*

*Keywords: Intensive Survey of 27 Acres, Railroad Grade, Culverts*  
*USGS Quadrangles: 7.5-minute Lake Matthews (1997) and Alberhill (1997), California*  
*Section 12 of Township 5 South, Range 6 West, San Bernardino Base and Meridian*



**BCRCONSULTING LLC**

May 15, 2014

## MANAGEMENT SUMMARY

BCR Consulting LLC (BCR Consulting) is under contract to Ruth Villalobos & Associates to conduct a Phase I Cultural Resources Assessment of the Temescal Canyon Gateway Center Project (the project), consisting of 27 Acres in Unincorporated Riverside County, California. The project site comprises Assessor Parcel Numbers 290-130-003, -004, -005, -006, -052, -053, -054, and -055. This work was completed pursuant to the California Environmental Quality Act (CEQA), per *County of Riverside Planning Department Cultural Resources (Archaeological) Investigations Standard Scopes of Work*. The project site is currently vacant and proposes to develop commercial and industrial buildings.

During the current assessment, BCR Consulting completed a cultural resources records search and intensive field survey for the project site. The records search revealed that 30 cultural resources studies have taken place resulting in the recording of 11 archaeological sites and no built environment resources within one mile of the project site. Three of those studies assessed portions of the project site, and resulted in the recording of one cultural resource (a historic-period railroad grade designated CA-RIV-3832H) within its boundaries. This resource has been recorded using California Department of Parks and Recreation (DPR) 523 forms (Appendix A). The field survey and research have indicated that the previously recorded historic-period railroad grade (designated as CA-RIV-3832H) lacks integrity and as such does not appear to be eligible for the California Register of Historical Resources (California Register). Therefore, 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;
- The proposed project is changed to include the construction of additional facilities;
- Cultural materials are encountered during project activities.

The current study attempted to determine whether 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.

If human remains are encountered, 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 Native American Heritage Commission (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.

A Sacred Lands Records check with the Native American Heritage Commission (NAHC) followed by scoping with tribes has also been initiated by BCR Consulting. The Sacred Lands Inventory check revealed no traditional cultural places within the project site boundaries. The NAHC provided a list of potentially concerned tribes and individuals to be contacted regarding the current project. BCR Consulting sent letters and emails, and made follow-up phone calls to those individuals to document any concerns. The results of these communications are summarized in Appendix B.

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## INTRODUCTION

BCR Consulting LLC (BCR Consulting) is under contract to Ruth Villalobos & Associates to conduct a Phase I Cultural Resources Assessment of the Temescal Canyon Gateway Project (the project), consisting of 27 Acres in the Unincorporated Riverside County, California. The site comprises Assessor Parcel Numbers 290-130-003, -004, -005, -006, -052, -053, -054, and -055. This work was completed pursuant to the California Environmental Quality Act (CEQA), Public Resources Code (PRC) Chapter 2.6, Section 21083.2, and California Code of Regulations (CCR) Title 14, Chapter 3, Article 5, Section 15064.5, and per *County of Riverside Planning Department Cultural Resources (Archaeological) Investigations Standard Scopes of Work*. The project is located within the northeast quarter of Section 12, Township 5 South, Range 6 West, San Bernardino Base and Meridian. The project is depicted on the U.S. Geological Survey (USGS) *Lake Matthews* (1997) and *Alberhill* (1997) 7.5-minute quadrangles (Figure 1). The project site is currently vacant and proposes to develop commercial and industrial buildings. A construction plans exhibit is included in Appendix C.

### Personnel

David Brunzell, M.A., RPA acted as Principal Investigator. Mr. Brunzell prepared the California Department of Park and Recreation (DPR) 523 forms and compiled the technical report. BCR Consulting Field Director Daniel Leonard, PhD conducted the cultural resources records search and pedestrian field survey, and recorded and plotted the historic-period resource noted within the project site boundaries.

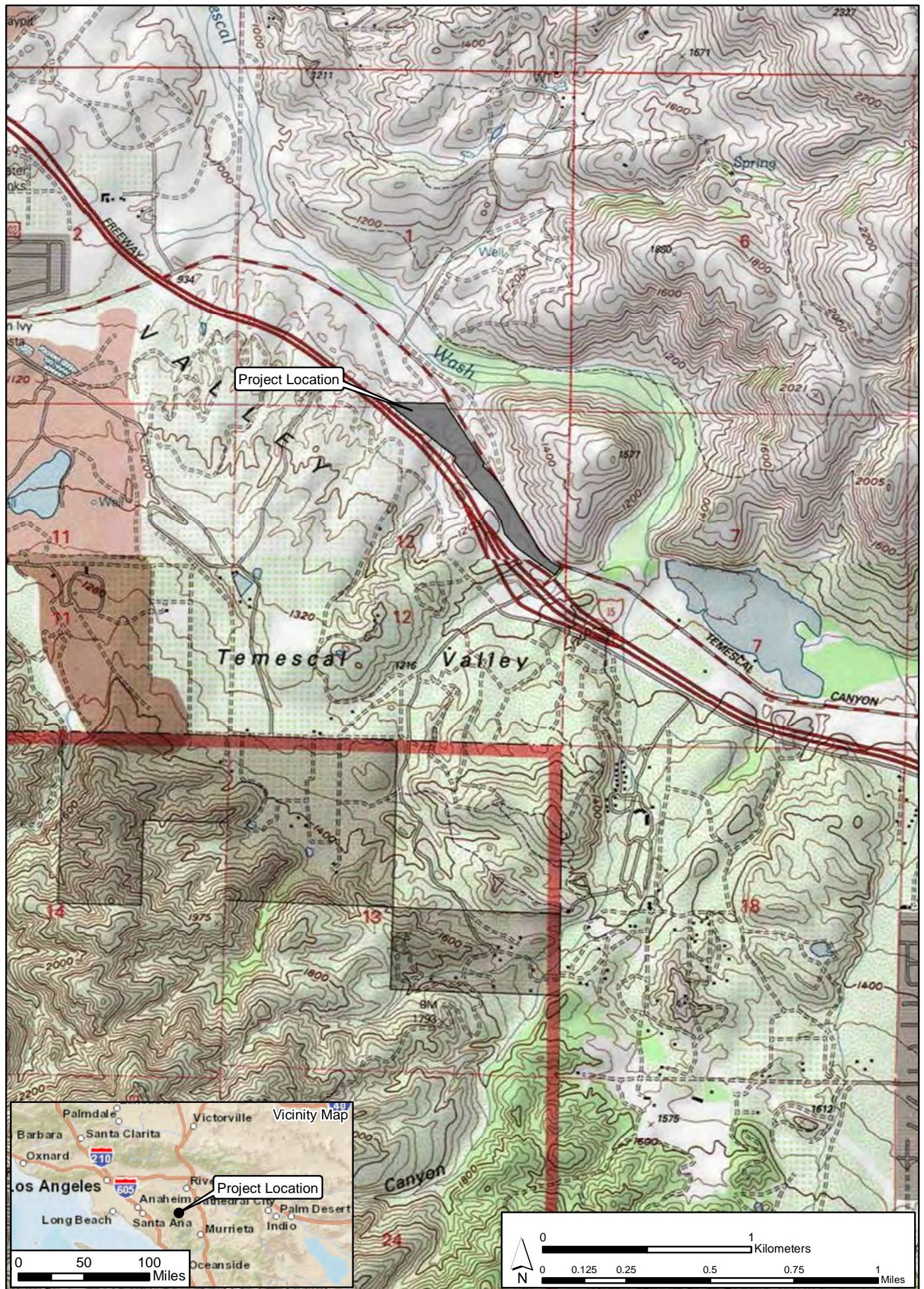
## NATURAL SETTING

### Geology

The project site is situated in California's Peninsular Range geologic province that encompasses western Riverside County. Crystalline rocks in the area include gabbro and granodiorite of the southern California batholith. These resistant rocks weather to form dark or light colored, boulder covered conical buttes and hills. They are granitic and have intruded and metamorphosed to locally form gneissic and schistose rocks (Rogers 1965). The crystalline rocks in the area are covered by Older Pleistocene alluvium (Kennedy 1977) that, in turn, is covered by a thin horizon of Holocene soils and recent stream sediments in channels (Rogers 1965). Pedogenic carbonate (caliche or hardpan) is a depositional product associated with the Holocene soils and invades the Pleistocene sediments. The southern tip of the Northern Peninsular Range has a number of igneous rocks utilized by Native Americans for food (particularly seed) processing (see Brunzell 2007 and others). These include granodiorites, quartz monzonites, and breccias, which are found locally. Metamorphosed sedimentary rocks, such as metamorphosed quartzite, are also found near the project site. Olivine basalt and andesite containing phenocrysts have also been locally utilized for the prehistoric manufacture of chipped stone tools (ibid.).

### Hydrology

The region is characterized by a semi-arid climate, with dry, hot summers, and moderate winters. Rainfall ranges from 12 to 16 inches annually (Beck and Haase 1974). Precipitation



**Project Location Site**  
**Temescal Canyon Gateway Center Project**  
 Reference: ESRI; USGS Quad: Lake Matthews (1997), CA

**Figure 1**

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usually occurs in the form of winter rain, with occasional monsoonal showers in late summer. The Temescal Wash meanders from southeast to northwest, adjacent to the east of the project site. Elevation within the project site ranges from approximately 1090 feet to 1160 feet Above Mean Sea Level (AMSL). As such it is characterized as lower Sonoran Life Zone, represented in cismontane valleys and low-mountain slopes (Jaeger and Smith 1971).

## Vegetation

Coastal sage scrub plant community dominates the local vegetation, and is mixed with some marginal riparian habitat along culverts. Signature plant species within the Coastal Sage Scrub Habitat includes black sage (*Salvia mellifera*), California brittlebush (*Encelia californica*), California buckwheat (*Eriogonum fasciculatum*), California sagebrush (*Artemisia californica*), deerweed (*Lotus scoparius*), golden yarrow (*Eriophyllum confertiflorum*), laurel sumac (*Malosma laurina*), lemonadeberry (*Rhus integrifolia*), poison oak (*Toxicodendron diversilobum*), purple sage (*Salvia leucophylla*), sticky monkeyflower (*Mimulus aurantiacus*), sugar bush (*Rhus ovata*), toyon (*Heteromeles arbutifolia*), white sage (*Salvia apiana*), coastal century plant (*Agave shawii*), coastal cholla (*Opuntia prolifera*), Laguna Beach liveforever (*Dudleya stolonifera*), many-stemmed liveforever (*Dudleya multicaulis*), our Lord's candle (*Yucca whipplei*), prickly pear cactus (*Opuntia* sp.) (Williams et al. 2008:118-119). Signature animal species within Coastal Sage Scrub habitat include the kangaroo rat (*Dipodomys* sp.), California horned lizard (*Phrynosoma coronatum frontale*), orange throated whiptail (*Cnemidophorus hyperthrus*), San Diego horned lizard (*Phrynosoma coronatum blainvillii*), brown-headed cowbird (*Molothrus ater*), California gnatcatcher (*Polioptila californica californica*), California quail (*Callipepla californica*), and San Diego cactus wren (*Campylorhynchus brunneicapillus sandiegensis*) (Williams et al. 2008:118-120). The marginal riparian habitat typically exhibits stands of arroyo willow (*Salix lasiolepis*; *ibid.*). For details on prehistoric (particularly Luiseño) local use of plant and animal species, see Lightfoot and Parrish (2009), Bean and Shipek (1978:552), and Oxendine (1983:19-29). Sparkman (1908) and Bean and Saubel (1972) have listed the harvesting and processing methods and seasons for edible plants that grow in the above described communities and others).

## CULTURAL SETTING

### Prehistoric Context

Two primary regional syntheses are commonly utilized in the archaeological literature for southern California. The first was advanced by Wallace in 1955, and defines four cultural horizons, each with characteristic local variations: Early Man Horizon, Milling Stone, Intermediate, and Late Prehistoric. Employing a more ecological approach, Warren (1986) defined five periods in southern California prehistory: Lake Mojave, Pinto, Gypsum, Saratoga Springs, and Protohistoric. Warren viewed cultural continuity and change in terms of various significant environmental shifts, defining the cultural ecological approach for archaeological research of the California deserts and coast. Many changes in settlement patterns and subsistence focus are viewed as cultural adaptations to a changing environment, beginning with the gradual environmental warming in the late Pleistocene, the desiccation of the desert lakes during the early Holocene, the short return to pluvial conditions during the middle Holocene, and the general warming and drying trend, with periodic reversals, that continue to this day (Warren 1986).

**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). 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 southern California. As formerly rich lacustrine environments began to disappear, the artifact record reveals more sporadic occupation of the drier regions, indicating occupants' recession into the cooler fringes (Warren 1986). 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 1986), 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 1986).

**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 abundance of resources available (Warren 1986:419-420; 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 1986; 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; Schroeder 1953, 1961; Shutler 1961; Yohe 1992).

**Saratoga Springs Period (1,500 to 800 BP).** During the Saratoga Springs Period regional cultural diversifications of Gypsum Period developments are evident. Influences from Patayan/Yuman assemblages are apparent in the southern inland areas, and include buff and brown wares often associated with Cottonwood and Desert Side-notched projectile points (Warren 1986:423). Obsidian becomes more commonly used throughout southern California and characteristic artifacts of the period include milling stones, mortars, pestles,

ceramics, and ornamental and ritual objects. More structured settlement patterns are evidenced by 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 –and is 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 southeastern Riverside County during this period (Warren and Crabtree 1986). Trade routes have become well established between coastal and inland groups.

## Ethnography

The Project site is situated within the traditional boundaries of the Luiseño (Bean and Shipek 1978; Kroeber 1925), and is peripheral to the Cahuilla area. Each of these groups belongs to the Cupan group of the Takic subfamily of languages (Bean and Shipek 1978:550). Like other Native American groups in southern California, they practiced semi-nomadic hunter-gatherer subsistence strategies and commonly exploited seasonably available plant and animal resources. Spanish missionaries were the first outsiders to encounter these groups during the late 18<sup>th</sup> century.

**Luiseño.** Typically, the native culture groups in southern California are named after nearby Spanish missions, and such is the case for this population. For instance, the term “Luiseño” is applied to the natives inhabiting the region within the “ecclesiastical jurisdiction of Mission San Luis Rey ...[and who shared] an ancestral relationship which is evident in their cosmogony, and oral tradition, common language, and reciprocal relationship in ceremonies” (Oxendine 1983:8). The first written accounts of the Luiseño are attributed to the mission fathers; later documentation was produced by Sparkman (1908), Oxendine (1983) and others. Prior to Spanish occupation of California, the territory of the Luiseño extended along the coast from Agua Hedionda Creek to the south, Aliso Creek to the northwest, and the Elsinore Valley and Palomar Mountain to the east. These territorial boundaries were somewhat fluid and changed through time. They encompassed an extremely diverse environment that included coastal beaches, lagoons and marshes, inland river valleys and foothills, and mountain groves of oaks and evergreens (Bean and Shipek 1978:551).

**Cahuilla.** The Cahuilla are generally divided into three groups: Desert Cahuilla, Mountain Cahuilla, and Western (or Pass) Cahuilla (Kroeber 1925; Bean and Smith 1978). The term Western Cahuilla is preferred over Pass Cahuilla because this group is not confined to the San Geronio Pass area. The distinctions are believed to be primarily geographic, although

linguistic and cultural differences may have existed to varying degrees (Strong 1929). Cahuilla territory lies within the geographic center of Southern California and the Cocopa-Maricopa Trail, a major prehistoric trade route, ran through it. The first written accounts of the Cahuilla are attributed to mission fathers; later documentation was by Strong (1929), Bright (1998), and others.

## History

In Southern California, the historic era 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 Spanish period (1769-1821) is represented by exploration of the region; establishment of the San Diego Presidio and missions at San Gabriel and San Luis Rey; and the introduction of livestock, agricultural goods, and European architecture and construction techniques. Spanish influence continued to some extent after 1821 due to the continued implementation of the mission system.

**Mexican Period.** The Mexican period (1821-1848) began with Mexican independence from Spain and continued until the end of the Mexican-American War (Cleland 1962). The Secularization Act of 1834 resulted in the transfer, through land grants (called ranchos) of large mission tracts to politically prominent individuals. Sixteen ranchos were granted in Riverside County. At that time, cattle ranching was a more substantial business than agricultural activities, and trade in hides and tallow increased during the early portion of this period. Until the Gold Rush of 1849, livestock and horticulture dominated California's economy (Beattie and Beattie 1974).

**American Period.** The American Period, 1848–Present, began with the Treaty of Guadalupe Hidalgo. In 1850, California was accepted into the Union of the United States primarily due to the population increase created by the Gold Rush of 1849. 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 from New Mexico and cattle from the Mississippi and Missouri Valleys. When the beef market collapsed, many California ranchers lost their ranchos through foreclosure. A series of disastrous floods in 1861–1862, followed by two years of extreme drought, which continued to some extent until 1876, altered ranching forever in the southern California area (Beattie and Beattie 1974).

## RESEARCH DESIGN

This work was completed pursuant to the California Environmental Quality Act (CEQA), Public Resources Code (PRC) Chapter 2.6, Section 21083.2, and California Code of Regulations (CCR) Title 14, Chapter 3, Article 5, Section 15064.5, and per *County of Riverside Planning Department Cultural Resources (Archaeological) Investigations Standard Scopes of Work*. The pedestrian cultural resources survey is intended to locate and document previously recorded or new cultural resources, including archaeological sites,

features, isolates, and historic-period buildings, that exceed 45 years in age within defined project boundaries. The current project site boundaries were examined using 10 to 15 meter transect intervals, where accessible. Where irregular boundaries and topography rendered systematic transects impossible (particularly along steep slopes), a more intuitive approach was followed. This included careful examination of accessible contours, focusing in areas exhibiting high potential for cultural resources, particularly in areas of high surface visibility.

The study is intended to determine whether cultural resources are located within the given project boundaries, whether any cultural resources are significant pursuant to the above-referenced regulations and standards, and to develop specific mitigation measures that will address potential impacts to existing or potential resources. Tasks pursued to achieve that end include:

- Sacred Lands File search through the Native American Heritage Commission, and communications with recommended tribes and individuals;
- Cultural resources records search to review any previous studies conducted and the resulting cultural resources recorded within the project site boundaries;
- Systematic pedestrian survey of the entire proposed impact area;
- Evaluation of California Register of Historical Resources (California Register) eligibility for any cultural resources discovered during the field survey;
- Development of recommendations and mitigation measures to any cultural resources documented within the project boundaries, following CEQA and County guidelines;
- Completion of DPR forms for any discovered cultural resources.

## METHODS

### Research

**Records Search.** Prior to fieldwork, Daniel Leonard conducted the records search at the Eastern Information Center (EIC). This included a review of all prerecorded historic-period and prehistoric cultural resources, as well as a review of known cultural resources surveys and excavation reports generated from projects located within one mile of the project site. In addition, a review was conducted of the National Register of Historic Places (National Register), the California Register, and documents and inventories from the California Office of Historic Preservation (OHP) including the lists of California Historical Landmarks, California Points of Historical Interest, Listing of National Register Properties, and the Inventory of Historic Structures.

**Additional Research.** Additional research was conducted through the Riverside County Recorder's Office, and the Bureau of Land Management.

### Field Survey

An intensive-level cultural resources field survey of the project site was conducted on April 30 and May 1 2014. The survey was conducted by walking parallel transects spaced approximately 10-15 meters apart across 100 percent of the project site, where accessible. Where boundaries and topography rendered systematic transects impossible (particularly along steep slopes), a more intuitive approach was followed. This included careful

examination of accessible contours focusing in areas exhibiting high potential for cultural resources, particularly in areas of high surface visibility.

Cultural Resources were recorded on DPR 523 forms. Ground visibility averaged approximately 20 percent within the project site boundaries. Digital photographs were taken at various points within the project boundaries. These included project overviews as well as photographs of all cultural resources (see Appendices A and D). Cultural resources were recorded per the California OHP *Instructions for Recording Historical Resources* in the field using:

- Detailed note taking at each cultural resource for entry on DPR Forms (Appendix A);
- Hand-held Garmin Global Positioning systems for mapping purposes;
- Digital photography of all resources (Appendices A and D).

## RESULTS

### Research

**Records Search.** The records search revealed that 30 cultural resources studies have taken place resulting in the recording of 11 archaeological sites and no built environment resources within one mile of the project site. Three of the studies assessed portions of the project site, and resulted in recording one cultural resource (a portion of a historic-period railroad grade alignment designated CA-RIV-3832H) within its boundaries. Tables A and B summarize the disposition of previous studies and cultural resources within one mile of the project site.

**Table A. Cultural Resource Studies Summary**

USGS 7.5-Minute Topographic Quadrangle	Previous Studies
<i>Lake Matthews, California</i> (1997)	RI-270, 1268, 1338, 1449*, 1479, 2396, 2984, 3175, 4144, 4416, 4665, 4969, 5686*, 6888, 7474, 7666*
<i>Alberhill, California</i> (1997)	RI-1338, 1429, 1479, 1813, 2396, 2980, 3175, 4110, 4144, 4665, 4706, 5566, 5666, 5686*, 5687, 5827, 6075, 6624, 6626, 6774, 6888, 7666*, 8948

\*Assessed a portion of the project site.

**Table B. Cultural Resources Summary\***

Site No.	Period	Approximate Distance From Project Site/Description
CA-RIV-630	Prehistoric	One Mile Northwest/Prehistoric Lithic Scatter
CA-RIV-642	Prehistoric	½ Mile Southeast/Bedrock Mortar
CA-RIV-1089	Prehistoric	¼ Mile North/Ten Bedrock Mortars, Lithics, Fire Affected Rock
CA-RIV-1091	Prehistoric	¼ Mile East/Basalt Boulders with Eroding Petroglyphs
CA-RIV-1461	Prehistoric	One Mile Southeast/Lithic Scatter
CA-RIV-3832H*	Historic	Within/Old Santa Fe Railroad Grade
CA-RIV-8118	Historic	Adjacent to the East/Can Scatter
CA-RIV-8119	Historic	One Mile Southeast/Refuse Scatter
CA-RIV-8133	Historic	¾ Mile Southeast/Concrete Irrigation Pipes
CA-RIV-8137	Historic	½ Mile Northwest/Concrete Irrigation Pipes
CA-RIV-8864	Historic	½ Mile Northwest/Refuse Scatter

\*Partially within Project Site.

**Predictive Modeling.** Cultural resources recorded locally indicate a common prehistoric use of bedrock for milling stations and mortars, and have also revealed the presence of some lithic scatters and fire affected rock (see Table A). These resources are commonly associated with vegetal (particularly seed) processing, chipped stone tool manufacture, trade, and cooking. As a result the field survey emphasized careful inspection of all suitable rock outcrops and soil exposures for the presence of related features and artifacts.

**Additional Research.** Additional research revealed that the entire northeast 1/4 of section 12, including the project site, was granted to civil war veteran William Joseph Radenberger in 1896 as a homestead (Bureau of Land Management 1896; State of California 1905). Mr. Radenberger was born in 1843 and listed his occupation as “miner” from 1894 until at least 1911 (City of San Bernardino 1894, 1905, 1908, 1911). He lived in San Bernardino during this entire time, and research has not shown evidence of buildings, mining, cultivation, or any other homestead-related improvements to the project site during Radenberger’s ownership (ibid; USGS 1901, 1905, 1913). By 1927 the project site was occupied by the Santa Fe Railroad’s Temescal Valley line, which connected Riverside to Temecula (Hudson 1978, Brown 1985). Although service between Lake Elsinore and Temecula discontinued in 1935, the Lake Elsinore to Corona section (including the project site) remained in use until the 1970s (USGS 1953, 1973, 1982).

### **Field Survey**

During the field survey, BCR Consulting archaeologists relocated and updated documentation for one previously recorded cultural resource using California DPR 523 forms (Appendix A). This resource has been designated CA-RIV-3832H.

**CA-RIV-3832H.** This resource has been recorded numerous times (Goodman et al. 2006, Tang and Love 1996, Goodwin 2001, Swope 1991, McCarthy 1990) as an abandoned historic-period railroad grade. Tang and Love’s 1996 study represents a comprehensive identification and evaluation of the entire alignment, and the others assessed smaller segments. Although these recordings indicate that the grade remained visible in places with sporadically-recognizable features, all studies have conferred the resource with poor condition and a lack of integrity due to its dismantling in the 1970s. BCR Consulting revisited the portion of the railroad grade that crosses the project site on April 30 and May 1, 2014. Field observations were basically consistent with Tang and Love’s 1996 study. Field crew noted an intermittently visible railroad grade, a 33-foot section of displaced track (Feature 1), two concrete culverts stamped “1926” (Features 2 and 3), and two partial culverts of similar design that lack date stamps (likely removed; Features 4 and 5). Significant disturbances related to mechanical dismantling of the system during the 1970s (see Additional Research above) have conferred a poor condition, and diminished integrity.

## **SIGNIFICANCE EVALUATIONS**

Because this work was completed pursuant to CEQA, all resources within the project site boundaries require evaluation for the California Register.

## California Register of Historical Resources

The California Register criteria are based on National Register criteria. For a property to be eligible for inclusion on the California Register, one or more of the following criteria must be met:

1. It is associated with the 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. It is associated with the lives of persons important to local, California, or national history;
3. It 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; and/or
4. It 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 will require evaluation. 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.

## Evaluations

**CA-RIV-3832H.** BCR Consulting has conducted substantial research regarding the project site and recommends that the railroad grade can be associated with significant events, particularly 1920s railroad development in Riverside County (California Register Criterion 1). The research has not shown any association with the lives of persons important to local, California, or national history (Criterion 2). Furthermore, the railroad grade exhibits no distinctive characteristics of a type, period, region, or method of construction and does not represent the work of a master, and does not have any high artistic values (Criterion 3). Finally, this railroad grade has been thoroughly scrutinized during this and other studies and has not yielded and is not likely to yield information important to the prehistory or history of the local area, California, or the nation (Criterion 4).

Although this railroad grade may have been associated with significant events, it completely lacks integrity of location, setting, design, materials, workmanship, feeling, and association. Due to diminished integrity, BCR Consulting recommends that CA-RIV-3832H is not potentially eligible for the California Register, and as such is not recommended a historical resource under CEQA.



## RECOMMENDATIONS

BCR Consulting conducted an intensive survey of the Temescal Gateway Center Project in Unincorporated Riverside County, California. The field survey and research have indicated that the previously recorded historic-period railroad grade partially located within the project site (designated as CA-RIV-3832H) lacks integrity and as such does not appear to be eligible for the California Register. Therefore, 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;
- The proposed project is changed to include the construction of additional facilities;
- Cultural materials are encountered during project activities.

The current study attempted to determine whether 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-period cultural deposits. In the event that buried cultural materials are encountered by field personnel, 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, plans for the treatment, evaluation, and mitigation of impacts to the find will need to be developed. Prehistoric or historic-period 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.

If human remains are encountered, 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 Native American Heritage Commission (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.

**CERTIFICATION**

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

Date: May 15, 2014	
	David Brunzell
Authorized Signature	Printed Name
County Registration Number: 154	

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1901 *Elsinore, California* 30-minute topographic quadrangle map

1905 *Elsinore, California* 30-minute topographic quadrangle map

1913 *Elsinore, California* 30-minute topographic quadrangle map

1953 *Lake Matthews, California* 7.5-minute topographic quadrangle map

1973 *Lake Matthews, California* 7.5-minute topographic quadrangle map

1982 *Lake Matthews, California* 7.5-minute topographic quadrangle map

1997 *Alberhill, California* 7.5-minute topographic quadrangle map

1997 *Lake Matthews, California* 7.5-minute topographic quadrangle map

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**APPENDIX A**  
**DPR 523 SITE FORMS**



\*Recorded by: Daniel Leonard

\*Date: May 1, 2014  Continuation  Update

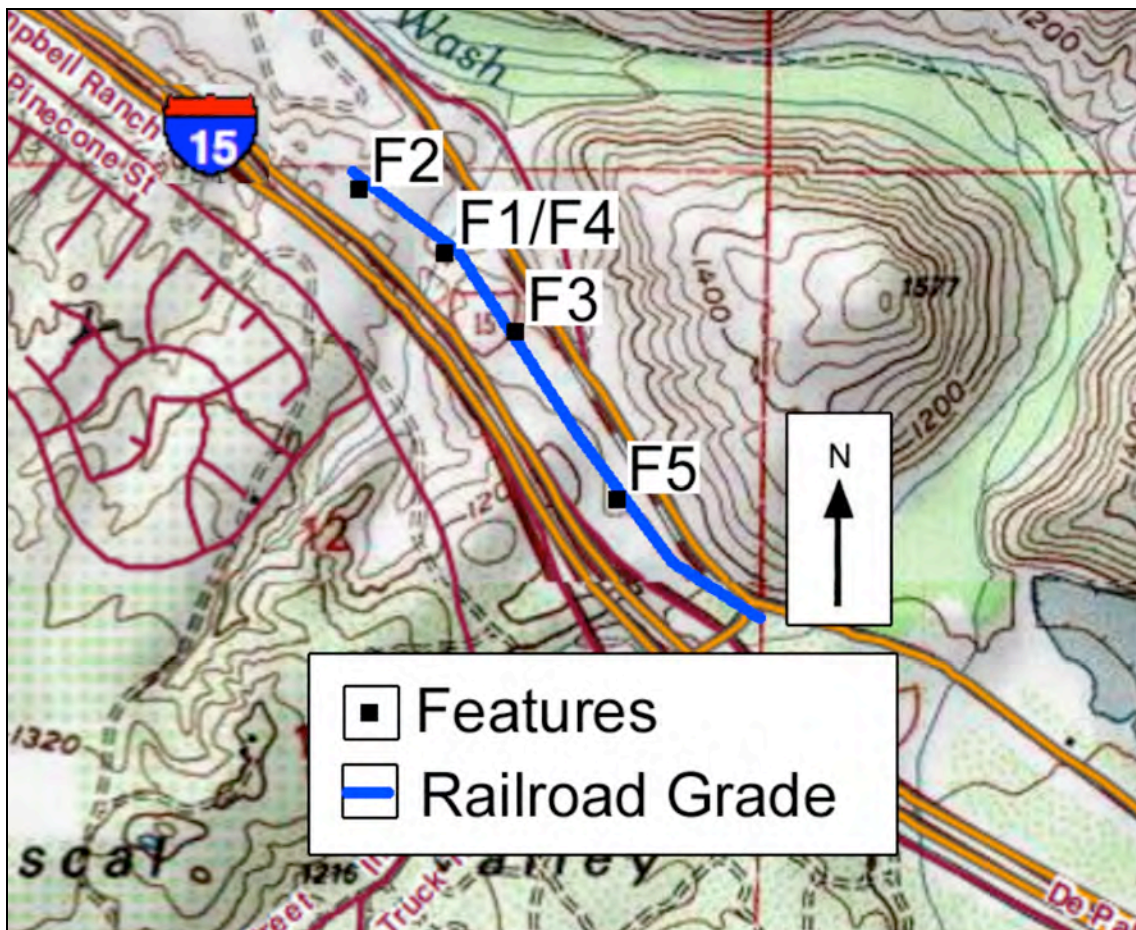
This resource has been recorded numerous times (Goodman et al. 2006, Love and Tang 1996, Goodwin 2001, Swope 1991, McCarthy 1990) as an abandoned historic-period railroad grade. Love and Tang's 1996 study represents a comprehensive identification and evaluation of the entire alignment, and the others assessed smaller segments. Although these recordings indicate that the grade remained visible in places, and some features are sporadically recognizable, all studies have conferred the resource with poor condition and a lack of integrity due to its 1970s dismantling. BCR Consulting visited the portion of the railroad grade that crosses the NE ¼ of Section 12, Township 5 South, Range 6 West (SBBM) on May 1, 2014. Current field observations were basically consistent with Love and Tang's 1996 study. Field crew noted an intermittently-visible and highly disturbed railroad grade accompanied by the following features (plotted within the study area below):

- Feature 1: a 33-foot section of displaced track (NAD 83 UTM 457697mE/3435081mN)
- Feature 2: a concrete culvert stamped "1926" (NAD 83 UTM 457515mE/3735210mN, at SW)
- Feature 3: a second concrete culvert stamped "1926" (NAD 83 UTM 457817mE/3734976mN)
- Feature 4: a partial culvert similar to F2 and F3 but lacking date stamp (NAD 83 UTM 457693mE/3735108mN)
- Feature 5: a second partial culvert pipe, no date stamp (NAD 83 UTM 457998mE/3734688)

Significant disturbances related to mechanical dismantling of the system during the 1970s (see Additional Research above) have conferred a poor condition, and diminished integrity.

**References:**

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Location Map: USGS 7.5-Min. Lake Matthews, Calif. (1997) Topographic Quadrangle

\*Recorded by: Daniel Leonard

\*Date: May 1, 2014  Continuation  Update

Photos



Photo 1: Feature 2 (N)



Photo 2: Feature 4 (S)



Photo 3: Feature 1 (W)



Photo 4: Feature 3 (NE)



Photo 5: Railroad grade (NW)



Photo 6: Feature 5 (N)

**APPENDIX B**  
**NATIVE AMERICAN CONSULTATION RECORD**

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**Subject:** BCR Consulting SLF/List of Tribes for Temescal Canyon Gateway Center Project, Riverside County

---

**From:** David Brunzell (david.brunzell@yahoo.com)

---

**To:** ds\_nahc@pacbell.net;

---

**Date:** Friday, April 25, 2014 12:06 PM

---

Hi Dave,

I'd like to request a Sacred Lands File search and list of potentially interested tribes for the proposed Temescal Canyon Gateway Center Project in unincorporated Riverside County, California. The project will involve commercial and industrial building construction, and is located as follows (SBBM; see also attached project location map):\*

Township 5 South  
Range 6 West  
Section 12  
USGS 7.5 Minute Topographic Quads: *Lake Mathews* (1997) and *Alberhill* (1997)

Please send the results and list to my email or the below fax number and please get in touch with any questions.

Thanks,

David Brunzell  
Principal Investigator/Archaeologist

**BCR Consulting LLC**  
*Certified Small Business (SB)*  
1420 Guadalajara Place  
Claremont, California 91711  
Tel: 909-525-7078  
Fax: 909-992-3065

[www.bcrconsulting.net](http://www.bcrconsulting.net)

\*See report Figure 1.

## NATIVE AMERICAN HERITAGE COMMISSION

1550 Harbor Boulevard, Suite 100  
West Sacramento, CA 95691  
(916) 373-3715  
Fax (916) 373-5471  
Web Site [www.nahc.ca.gov](http://www.nahc.ca.gov)  
Ds\_nahc@pacbell.net



April 28, 2014

Mr. David Brunzell, RPA, Principal  
**BCR Consulting, LLC**  
1420 Guadalajara Place  
Claremont, CA 91711

Sent by FAX to: 909-992-3065  
No. of Pages: 04

RE: Sacred Lands File Search and Native American Contacts list for the "**Temescal Canyon Gateway Project;**" located about seven miles south of the City of Corona, near Interstate 15; Riverside County, California

Dear Mr. Brunzell:

A record search of the NAHC Sacred Lands Inventory failed to indicate the presence of Native American traditional cultural places of the Project site(s) or 'areas of Potential effect' (APE), submitted to this office. Note also that the absence of archaeological resources does not preclude their existence at the subsurface level.

In the 1985 Appellate Court decision (170 Cal App 3<sup>rd</sup> 604), the Court held that the NAHC has jurisdiction and special expertise, as a state agency, over affected Native American resources impacted by proposed projects, including archaeological places of religious significance to Native Americans, and to Native American burial sites.

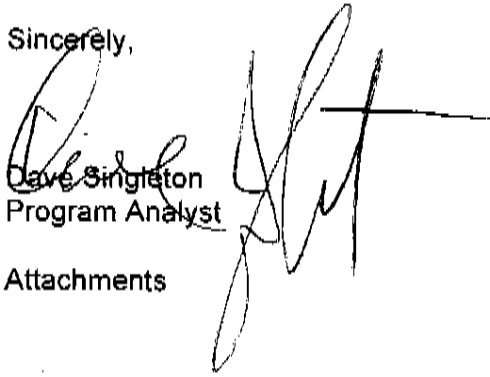
When the project becomes public, please inform the Native American contacts as to the nature of the project (e.g. residential, renewable energy, infrastructure or other appropriate type). Attached is a list of Native American tribes, Native American individuals or organizations that may have knowledge of cultural resources in or near the proposed project area (APE). As part of the consultation process, the NAHC recommends that local government and project developers contact the tribal governments and Native American individuals on the list in order to determine if the proposed action might impact any cultural places or sacred sites. If a response from those listed on the attachment is not received in two weeks of notification, the NAHC recommends that a follow-up telephone call be made to ensure the project information has been received.

California Government Code Sections 65040.12(e) defines 'environmental justice' to provide "fair treatment of people... with respect to the development, adoption, implementation, and enforcement of environmental laws, regulations and policies." Also, Executive Order B-10-11 requires that state agencies "consult with Native American

tribes, their elected officials and other representatives of tribal governments in order to provide meaningful input into... the development of legislation, regulations, rules and policies on matter that may affect tribal communities."

If you have any questions or need additional information, please contact me at (916) 373-3715.

Sincerely,

  
Dave Singleton  
Program Analyst

Attachments

**Native American Contacts  
Riverside County California  
April 28, 2014**

**Pala Band of Mission Indians**  
Historic Preservation Office/Shasta Gaughen  
35008 Pala Temecula Road, PMB Luiseno  
Pala , CA 92059 Cupeno  
PMB 50  
(760) 891-3515  
sgaughen@palatribe.com  
(760) 742-3189 Fax

**Pechanga Band of Mission Indians**  
Paul Macarro, Cultural Resources Manager  
P.O. Box 1477 Luiseno  
Temecula , CA 92593  
**(951) 770-8100**  
pmacarro@pechanga-nsn.  
gov  
(951) 506-9491 Fax

**Ramona Band of Cahuilla Mission Indians**  
Joseph Hamilton, Chairman  
P.O. Box 391670 Cahuilla  
Anza , CA 92539  
admin@ramonatribe.com  
(951) 763-4105  
(951) 763-4325 Fax

**Santa Rosa Band of Mission Indians**  
John Marcus, Chairman  
P.O. Box 391820 Cahuilla  
Anza , CA 92539  
(951) 659-2700  
(951) 659-2228 Fax

**Morongo Band of Mission Indians**  
William Madrigal, Jr., Cultural Resources Manager  
12700 Pumarra Road Cahuilla  
Banning , CA 92220 Serrano  
**(951) 201-1866 - cell**  
wmadrigal@morongo-nsn.  
gov  
(951) 572-6004 Fax

**Pechanga Band of Mission Indians**  
Mark Macarro, Chairperson  
P.O. Box 1477 Luiseno  
Temecula , CA 92593  
**(951) 770-6100**  
mgoodhart@pechanga-nsn.  
gov  
(951) 695-1778 FAX

**William J. Pink**  
48310 Pechanga Road Luiseno  
Temecula , CA 92592  
wjpink@hotmail.com  
(909) 936-1216  
Prefers e-mail contact

**Cahuilla Band of Indians**  
Luther Salgado, Chairperson  
PO Box 391760 Cahuilla  
Anza , CA 92539  
Chairman@cahuilla.net  
760-763-5549  
760-763-2631 - Tribal EPA

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

**Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.**

**This list is only applicable for contacting locative Americans with regard to cultural resources for the proposed Temescal Canyon Gateway Project; located south of the City of Corona near Interstate 15; Riverside County, California for which a Sacred Lands file search and Native American Contacts list were requested.**

**Native American Contacts  
Riverside County California  
April 28, 2014**

Pechanga Cultural Resources Department  
Anna Hoover, Cultural Analyst  
P.O. Box 2183 Luiseño  
Temecula , CA 92593  
ahoover@pechanga-nsn.gov  
951-770-8104  
(951) 694-0446 - FAX

**SOBOBA BAND OF LUISENO INDIANS**  
Joseph Ontiveros, Cultural Resource Department  
P.O. BOX 487 Luiseno  
San Jacinto , CA 92581  
jontiveros@soboba-nsn.gov  
(951) 663-5279  
(951) 654-5544, ext 4137  
(951) 654-4198-FAX

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

**Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.**

**This list is only applicable for contacting locative Americans with regard to cultural resources for the proposed Temescal Canyon Gateway Project; located south of the City of Corona near Interstate 15; Riverside County, California for which a Sacred Lands file search and Native American Contacts list were requested.**



**Native American Consultation Summary, Temescal Cyn. Gateway Ctr. Project, Unincorporated Riverside County, California**  
 Native American Heritage Commission replied to BCR Consulting Request on April 28, 2014. Results of Sacred Land File Search did not indicate presence of Native American cultural resources, and recommended that the below groups/individuals be contacted.

<b>Groups Contacted</b>	<b>Letter/Email Date</b>	<b>Response from Tribes</b>
Shasta Gaughen, Historic Preservation Office Pala Band of Mission Indians	Letter: 5/13/14 Email: 5/14/14	None
William Madrigal, Jr., Cultural Resources Manager Morongo Band of Mission Indians	Letter: 5/13/14 Email: 5/14/14	None
Paul Macarro, Cultural Resources Manager Pechanga Band of Mission Indians	Letter: 5/13/14 Email: 5/14/14	None
Mark Macarro, Chairperson Pechanga Band of Mission Indians	Letter: 5/13/14 Email: 5/14/14	None
Joseph Hamilton, Chairman Ramona Band of Cahuilla Mission Indians	Letter: 5/13/14 Email: 5/14/14	None
William J. Pink	Letter: 5/13/14 Email: 5/14/14	None
John Marcus, Chairman Santa Rosa Band of Mission Indians	Letter: 5/13/14 Email: N/A	None
Luther Salgado, Chairperson Cahuilla Band of Indians	Letter: 5/13/14 Email: 5/14/14	None
Anna Hoover, Cultural Analyst Pechanga Cultural Resources Department	Letter: 5/13/14 Email: 5/14/14	None
Joseph Ontiveros, Cultural Resources Department Soboba Band of Luiseno Indians	Letter: 5/13/14 Email: 5/14/14	None



May 13, 2014

Shasta Gaughen  
Historic Preservation Office  
Pala Band of Mission Indians  
35008 Pala Temecula Road, PMB  
Pala, California 92059

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear Shasta:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment:* USGS Map



May 13, 2014

William Madrigal, Jr.  
Cultural Resources Manager  
Morongo Band of Mission Indians  
12700 Pumarra Road  
Banning, California 92220

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear William:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment:* USGS Map



May 13, 2014

Paul Macarro  
Cultural Resources Manager  
Pechanga Band of Mission Indians  
P.O Box 1477  
Temecula, California 92593

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear Paul:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment:* USGS Map



May 13, 2014

Mark Macarro  
Chairperson  
Pechanga Band of Mission Indians  
P.O. Box 1477  
Temecula, California 92593

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear Mark:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment:* USGS Map



May 13, 2014

Joseph Hamilton  
Chairman  
Ramona Band of Cahuilla Mission Indians  
P.O. Box 391670  
Anza, California 92539

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear Joseph:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment:* USGS Map



May 13, 2014

William J. Pink  
48310 Pechanga Road  
Temecula, California 92592

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear William:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment: USGS Map*



May 13, 2014

John Marcus  
Chairman  
Santa Rosa Band of Mission Indians  
P.O. Box 391820  
Anza, California 92539

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear John:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment:* USGS Map





May 13, 2014

Luther Salgado  
Chairperson  
Cahuilla Band of Indians  
P.O. Box 391760  
Anza, California 92539

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear Luther:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment: USGS Map*



May 13, 2014

Anna Hoover  
Cultural Analyst  
Pechanga Cultural Resources Department  
P.O. Box 2183  
Temecula, California 92593

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear Anna:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment:* USGS Map



May 13, 2014

Joseph Ontiveros  
Cultural Resources Department  
Soboba Band of Luiseno Indians  
P.O. Box 487  
San Jacinto, California 92581

**Subject: Tribal Consultation for the Temescal Canyon Gateway Center Project,  
Unincorporated Riverside County, California**

Dear Joseph:

This is an invitation to consult on a proposed development project at locations with which you have tribal cultural affiliation. The purpose of the consultation is to ensure the protection of Native American cultural resources on which the proposed undertaking may have an impact. In the tribal consultation process, early consultation is encouraged in order to provide for full and reasonable public input from Native American Groups and Individuals, as consulting parties, on potential effect of the development project and to avoid costly delays. Further, we understand that much of the content of the consultation will be confidential and will include, but not be limited to, the relationship of proposed project details to Native American Cultural Historic Properties, such as burial sites, known or unknown, architectural features and artifacts, ceremonial sites, sacred shrines, cultural landscapes including traditional beliefs and practices. The proposed project is located within Section 12 of Township 5 South, Range 6 West, San Bernardino Baseline and Meridian. The property is depicted on the *Lake Matthews* (1997), and *Alberhill* (1997), *California* 7.5-minute USGS topographic quadrangle, (see attached map).

If you know of any cultural resources in the vicinity that may be of religious and/or cultural significance to your community or if you would like more information, please contact me at 909-525-7078 or david.brunzell@yahoo.com. Correspondence can also be sent to BCR Consulting, Attn: David Brunzell, 1420 Guadalajara Street, Claremont, California 91711. I request a response by June 23, 2014. If you require more time, please let me know. Thank you for your involvement in this process.

Sincerely,

**BCR Consulting LLC**

David Brunzell, M.A./RPA  
Principal Investigator/Archaeologist  
*Attachment:* USGS Map

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 City, State, ZIP+4 *Pala, CA. 92059*

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Sent To *Paul Macamo*  
 Street, Apt. No.; or PO Box No. *P.O. Box 1477*  
 City, State, ZIP+4 *Tenevula, CA. 92593*

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Sent To *Joseph Hamilton*  
 Street, Apt. No.; or PO Box No. *P.O. Box 391670*  
 City, State, ZIP+4 *Anza, CA. 92539*

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Restricted Delivery Fee (Endorsement Required)	\$0.00	
<b>Total Postage &amp; Fees</b>	<b>\$ 03.79</b>	



Sent To *William Madrigal*  
 Street, Apt. No.; or PO Box No. *12700 Punerra Rd.*  
 City, State, ZIP+4 *Banning, CA. 92220*

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<b>Total Postage &amp; Fees</b>	<b>\$ 28.92</b>	



Sent To *Mark Macamo*  
 Street, Apt. No.; or PO Box No. *P.O. Box 1477*  
 City, State, ZIP+4 *Tenevula, CA. 92593*

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Sent To *William J. Pink*  
 Street, Apt. No.; or PO Box No. *48310 Pechanga Rd.*  
 City, State, ZIP+4 *Tenevula, CA. 92592*

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Return Receipt Fee (Endorsement Required)	\$ 0.00	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 13.79	

Sent To: John Marcus  
 Street, Apt. No.; or PO Box No.: P.O. Box 391820  
 City, State, ZIP+4: Anza, CA 92539

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Total Postage & Fees	\$ 13.77	

Sent To: Anna Heuser  
 Street, Apt. No.; or PO Box No.: P.O. Box 283  
 City, State, ZIP+4: Temecula, CA 92593

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Total Postage & Fees	\$ 13.79	

Sent To: Luther Selgado  
 Street, Apt. No.; or PO Box No.: P.O. Box 391760  
 City, State, ZIP+4: Anza, CA 92539

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Return Receipt Fee (Endorsement Required)	\$ 0.00	
Restricted Delivery Fee (Endorsement Required)	\$ 0.00	
Total Postage & Fees	\$ 13.79	

Sent To: Joseph Gutierrez  
 Street, Apt. No.; or PO Box No.: P.O. Box 487  
 City, State, ZIP+4: San Jacinto, CA 92581

PS Form 3800, August 2006 See Reverse for Instructions



**APPENDIX C**  
**CONSTRUCTION PLANS**

**GRADING NOTES**

- GENERAL**
1. ALL GRADING SHALL CONFORM TO THE 2010 CALIFORNIA BUILDING CODE CHAPTERS 17, 18 & APPENDIX CHAPTERS 17-18 AS MODIFIED BY ORD. 402.
  2. ALL PROPERTY CORNERS SHALL BE CLEARLY DEMONSTRATED IN THE FIELD PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION/GRADING.
  3. ALL WORK UNDER THIS GRADING PERMIT SHALL BE LIMITED TO WORK WITHIN THE PROPERTY LINES, ALL WORK WITHIN THE ROAD RIGHT-OF-WAY WILL REQUIRE SEPARATE PLANS AND A SEPARATE REVIEW/APPROVAL (PERMIT) FROM THE TRANSPORTATION DEPARTMENT.
  4. GRADING SHALL BE DONE UNDER THE SUPERVISION OF A SOILS ENGINEER IN CONFORMANCE WITH RECOMMENDATIONS OF THE PRELIMINARY SOILS INVESTIGATION BY MATRIX GEOLOGICAL CONSULTING DATED DECEMBER 2014.
  5. COMPACTED FILL TO SUPPORT ANY STRUCTURES SHALL COMPLY WITH SECTION 1801.5. PROJECTS WITHOUT PRELIMINARY SOILS REPORT SHALL HAVE DETAILED SPECIFICATIONS SATISFYING THE REQUIREMENTS IN SECTION 1801.5 PREPARED BY THE EOR.
  6. THE CONTRACTOR SHALL NOTIFY THE BUILDING AND SAFETY DEPARTMENT AT LEAST 24 HOURS IN ADVANCE TO REQUEST FINISH LOT GRADE AND DRAINAGE INSPECTION. THIS INSPECTION MUST BE APPROVED PRIOR TO GRADING PERMIT FINAL INSPECTION FOR EACH LOT.
  7. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT, TWO DAYS BEFORE DIGGING AT 1-800-422-4153.
- CUT / FILL**
8. MAXIMUM CUT AND FILL SLOPE = 2:1.
  9. NO FILL SHALL BE PLACED ON EXISTING GROUND UNLESS THE GROUND HAS BEEN CLEARED OF WEEDS, SCRUB, TOPSOIL AND OTHER OBSTACULAR MATERIAL. FILLS SHOULD BE PLACED IN THIN LIFTS (8-INCH MAX OR AS RECOMMENDED IN SOILS REPORT). COMPACTED AND TESTED AS GRADING PROCEEDS UNTIL FINAL GRADES ARE ATTAINED. ALL FILLS ON SLOPES STEEPER THAN 5 TO 1 (V:H) AND A HEIGHT GREATER THAN 5 FEET SHALL BE KEPT AND SERVED TO FIRM NATURAL SOIL FOR FULL SUPPORT. THE BENCH UNDER THE TIE MUST BE 10 FEET WIDE MIN.
  10. THE SLOPE STABILITY FOR CUT AND FILL SLOPES OVER 30' IN VERTICAL HEIGHT, OR SLOPES STEEPER THAN 2:1 MUST BE DERIVED WITH A FACTOR OF SAFETY OF AT LEAST 1.5.
  11. NO ROCK OR SIMILAR IRREDUCIBLE MATERIAL WITH A MAXIMUM DIMENSION GREATER THAN 12 INCHES SHALL BE BURIED OR PLACED IN FILLS CLOSER THAN 10 FEET TO THE FINISHED GRADE.

- DRAINAGE AND EROSION / DUST CONTROL**
12. DRAINAGE AREAS: THE PROPOSED LINE SHALL NOT EXCEED THAT WHICH EXCEEDS THAT WHICH EXISTED PRIOR TO GRADING. EXCESS OR CONCENTRATED DRAINAGE SHALL BE CONTAINED ON SITE OR DIRECTED TO AN APPROVED DRAINAGE FACILITY.
  13. PROVIDE A SOPE INSPECTION DRAIN ALONG THE TOP OF CUT SLOPES WHERE THE DRAINAGE PATH IS GREATER THAN 40 FEET TOWARDS THE CUT SLOPE.
  14. PROVIDE 2" MIN BY 1" HIGH BEAM ALONG THE TOP OF ALL FILL SLOPES STEEPER THAN 2:1.
  15. THE GROUND IMMEDIATELY ADJACENT TO THE BUILDING FOUNDATION SHALL BE SLOPED AWAY WITH SIX INCH FOR A MAX DISTANCE OF 10 TO HORIZONTAL FEET. SHALLS WITHIN FEET FROM BUILDING SHALL HAVE 2% MINIMUM SLOPE.
  16. NO OBSTRUCTION OF NATURAL WATER COURSES SHALL BE PERMITTED.
  17. DURING RAINY GRADING OPERATIONS AND PRIOR TO CONSTRUCTION OF PERMANENT DRAINAGE STRUCTURES, TEMPORARY DRAINAGE CONTROL (BEST MANAGEMENT PRACTICES (BMP'S)) SHALL BE PROVIDED TO PREVENT FLOWING WATER AND DAMAGE TO ADJACENT PROPERTIES.
  18. DUST SHALL BE CONTROLLED BY WATERING OR OTHER APPROVED METHODS.
  19. ALL EXISTING DRAINAGE COURSES ON THE PROJECT SITE MUST CONTINUE TO FUNCTION. PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROGRAMS MUST BE USED TO PROTECT ADJACENT PROPERTIES DURING GRADING OPERATIONS.
  20. FOR SLOPES 3:1 TO 1.5:1 (V:H) SIZES: ALL SLOPES EQUAL TO OR GREATER THAN 3' IN VERTICAL HEIGHT ARE REQUIRED TO BE PLANTED WITH GRASS OR SOYA BEAN (OR EQUAL) GROUND COVER AT A MAXIMUM SPACING OF 12" ON CENTER. SLOPES EXCEEDING 15' IN VERTICAL HEIGHT SHALL BE PLANTED WITH APPROVED SHRUBS NOT TO EXCEED 10' ON CENTER, OR TREES SPACED NOT TO EXCEED 30' ON CENTER OR CHAINS NOT TO EXCEED 10'. OR A COMBINATION OF SHRUBS AND TREES NOT TO EXCEED 10' IN ADDITION TO THE GRASS OR GROUND COVER. SLOPES THAT REQUIRE SHALL BE PROVIDED WITH AN IN-GROUND IRRIGATION SYSTEM EQUIPPED WITH AN APPROPRIATE BACKFLOW CHECKER PER U.P.C., CHAPTER 10. THE SLOPE PLANTING AND IRRIGATION SYSTEM SHALL BE INSTALLED PRIOR TO FINISH GRADING.

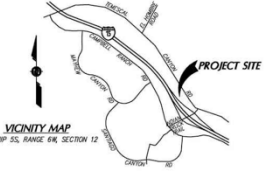
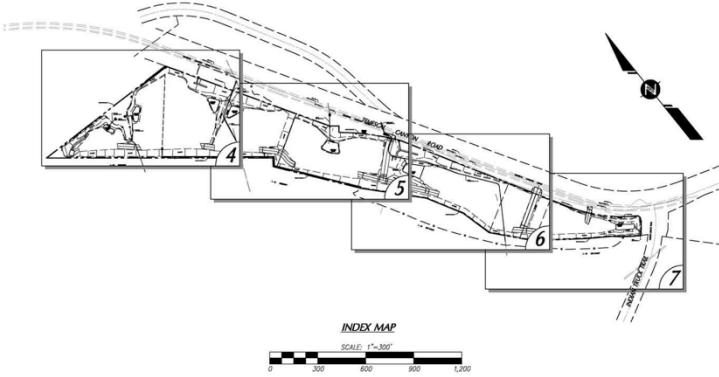
**COMPLETION OF WORK**

1. A REGISTERED CIVIL ENGINEER SHALL PREPARE FINAL COMPACTION REPORT/DRAINAGE REPORT AND IT SHALL BE SUBMITTED FOR REVIEW AND APPROVAL. THE REPORT SHALL ALSO PROVIDE BUILDING FOUNDATION DESIGN PARAMETERS INCLUDING ALLOWABLE SOIL PRESSURES, EXPANSION INDEX AND REMEDIAL MEASURES IF ELAS. WATER SOLUBLE SULFATE CONTENT, COMPACTIVITY AND REMEDIAL MEASURES IF NECESSARY.
2. EXCEPT FOR NON-TRACT SINGLE RESIDENTIAL LOT GRADING, THE COMPACTION REPORT SHALL INCLUDE THE SPECIAL INSPECTION VERIFICATIONS LISTED IN TABLE 1704.7 OF 2010 CODE.
3. A REGISTERED CIVIL ENGINEER SHALL SUBMIT TO THE BUILDING AND SAFETY DEPARTMENT WRITTEN CERTIFICATION OF COMPLETION OF GRADING IN ACCORDANCE WITH THE APPROVED GRADING PLAN PRIOR TO REQUESTING INSPECTION AND ISSUANCE OF THE BUILDING PERMIT. CERTIFICATION SHALL INCLUDE LINE GRADE, SURFACE DRAINAGE, ELEVATION, AND LOCATION OF PERMITTED GRADING ON THE LOT.

**HYDROSEED NOTE**

ALL DISTURBED AREAS OF THE SITE SHALL BE PROVIDED WITH A NATIVE CALIFORNIA SEED MIX TO STABILIZE THE SITE. SEEDING AREAS SHALL BE "TRUCK-BLANKET" TO OBTAIN A SUITABLE PLANTING ENVIRONMENT. THE SEED MIX SHALL BE APPLIED BY HYDROSEEDING AND INCLUDE A BONDED FIBER MATRIX TO ASSIST IN STABILIZATION OF THE PLANTED AREAS AND GERMINATION OF THE SEED. MATERIAL SEEDING MAY BE REQUIRED TO BE ACCOMPANIED IN CONJUNCTION WITH THE RAINY SEASON IF TEMPORARY PROTECTION IS NOT AVAILABLE. (EVEN COMBINATION OF THE SEEDS ARE REQUIRED PRIOR TO SITE RESTORATION FINAL. THEREFORE MULTIPLE APPLICATIONS OF THE SEED MIX MAY BE REQUIRED). NOTE: # 1 & 2 SEED COMPANY OR (AN EQUAL) OF COMPOSITION (905)406-0436. WWW.SEEDS.COM.WE ARE ABLE TO ASSIST BY PROVIDING RECOMMENDATIONS CONCERNING A SEED MIX APPROPRIATE FOR YOUR LOCATION).

# ROUGH GRADING PLANS IN THE COUNTY OF RIVERSIDE TEMESCAL CANYON GATEWAY CENTER



**NPDES INSPECTION NOTES**

1. CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP'S) FOR THE MANAGEMENT OF STORM WATER AND NON-STORM WATER DISCHARGES SHALL BE DOCUMENTED ON THE GRADING PLAN WHICH THEREBY BECOMES THE SITE STORM WATER AND NON-STORM WATER DISCHARGES SHALL BE DOCUMENTED ON THE GRADING PLAN WHICH THEREBY BECOMES THE SITE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). ARRANGEMENTS SHALL BE MADE BY THE DEVELOPER TO RETAIN THE SWPPP ON THE SITES THROUGHOUT THE TIME OF CONSTRUCTION. THE IMPLEMENTATION AND MAINTENANCE OF SITE BMP'S IS REQUIRED TO MINIMIZE EROSION AND SEDIMENTATION. CERTAIN BMP'S MAY BE REQUIRED TO REMAIN IN PLACE THROUGHOUT THE TIME OF CONSTRUCTION.
2. EROSION CONTROL BMP'S SHALL BE IMPLEMENTED AND MAINTAINED TO MANAGE THE ENTRAINMENT OF SOIL IN RUNOFF FROM DISTURBED SOIL AREAS ON CONSTRUCTION SITES.
3. SEDIMENT CONTROL BMP'S SHALL BE IMPLEMENTED AND MAINTAINED TO MANAGE THE TRANSPORT OF SOIL FROM THE CONSTRUCTION SITE.
4. GRADING SHALL BE PHASED TO LIMIT THE AMOUNT OF DISTURBED AREAS EXPOSED TO THE EXTENT FEASIBLE.
5. AREAS THAT ARE CLEARED AND GRADED SHALL BE LIMITED TO ONLY THE PORTION OF THE SITE THAT IS NECESSARY FOR CONSTRUCTION. THE CONSTRUCTION SITE SHALL BE MANAGED TO MINIMIZE THE EXPOSURE TIME OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF GRADING AND THE USE OF TEMPORARY AND PERMANENT SOIL STABILIZATION.
6. ONCE DISTURBED SLOPES (TEMPORARY OR PERMANENT) SHALL BE STABILIZED IF THEY WILL NOT BE WORKED WITHIN 90 DAYS AFTER THE STORM SEASON. ALL SLOPES SHALL BE STABILIZED PRIOR TO A PREDICTED STORM EVENT. CONSTRUCTION SITES SHALL BE RE-VEGETATED AS EARLY AS FEASIBLE AFTER DISTURBANCE.
7. STOCKPILES OF SOIL SHALL BE PROPERLY COVERED TO ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE SITE TO STREETED DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, WINDBLAST BRACING, OR WIND.
8. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A MANNER THAT A STORM DOES NOT CARRY WRITES OR POLLUTANTS OFF THE SITE. DISCHARGES OTHER THAN STORM WATER (NON-STORM WATER DISCHARGES) ARE PROHIBITED. EXCESS OR CONCENTRATED DRAINAGE WASTES FROM STREET CLEANING AND SLURRY-COATED POTABLE WATER FROM LINE FLOWING AND GROUND SURFING CONSTRUCTION PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BMP'S AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
9. DISCHARGING CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING GROUNDWATER THAT HAS BEEN TRILLED INTO THE CONSTRUCTION SITE IS PROHIBITED. DISCHARGING CONTAMINATED SOIL SURFACE DISCHARGE IS ALSO PROHIBITED. DISCHARGING NON-COMMUNICATED GROUNDWATER PRODUCED BY DEWATERING ACTIVITIES MAY REQUIRE A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE REGIONAL WATER QUALITY CONTROL BOARD.
10. BMP'S SHALL BE MAINTAINED AT ALL TIMES IN ADDITION, BMP'S SHALL BE INSPECTED PRIOR TO PREDICTED STORM EVENTS AND FOLLOWING STORM EVENTS.
11. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIAL SHALL BE COLLECTED AND PROPERLY DISPOSED OF IN TRUCK OR RECYCLE BINS.

**ESTIMATED EARTHWORK QUANTITY**

C.T. CUT	205.84Y
C.V. FILL CUT	205.00Y
C.T. NET CUT	19.78Y

EAIRYWORK QUANTITIES ARE NOT ADJUSTED

**ENGINEER**

K & A ENGINEERING INC.  
337 N. SHERIDAN STREET SUITE 117  
CORONA, CA 92880  
PHONE: (951) 279-1800  
FAX: (951) 279-4380  
JAMES BOLTON, P.E.

**SOILS ENGINEER**

MATRIX GEOLOGICAL CONSULTING  
4789 ENTERPRISE CIRCLE  
TAMOCOLA, CA 92080  
PHONE: (951) 200-4747  
FAX: (951) 820-1441  
CONTACT: CHRIS JOSEF

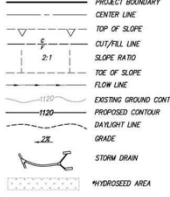
**CONSTRUCTION NOTES**

NO.	DESCRIPTION	UNIT	QUANTITY
1	CONSTRUCT INTERCEPTOR DRAIN PER DETAIL ON SHEET 2	LF	1,502
2	CONSTRUCT 6" TERRACE DRAIN PER DETAIL ON SHEET 2	LF	257
3	CONSTRUCT TRENCH AND DOWN DRAIN INTERSECTION PER DETAIL ON SHEET 2	EA	2
4	CONSTRUCT DOWN DRAIN PER DETAIL ON SHEET 2	LF	157
5	CONSTRUCT SPLASHWALL PER DETAIL ON SHEET 2	EA	1
6	CONSTRUCT 80" RAP ENERGY DISSIPATOR (1/4 TON GRADATION) PER DETAIL ON SHEET 2	EA	5
7	CONSTRUCT 18" R.C.P. (0 LOAD PER PROFILE)	LF	115
8	CONSTRUCT 24" R.C.P. (0 LOAD PER PROFILE)	LF	426
9	CONSTRUCT 30" R.C.P. (0 LOAD PER PROFILE)	LF	1,175
10	CONSTRUCT 48" R.C.P. (0 LOAD PER PROFILE)	LF	390
11	CONSTRUCT 36" D.C.A. RISER PER DETAIL ON SHEET 8	EA	7
12	CONSTRUCT MANHOLE NO.1 PER REFORCED CON. STD. M40S1	EA	0
13	CONSTRUCT MANHOLE NO.2 PER REFORCED CON. STD. M40S2	EA	6
14	CONSTRUCT PIPE HEADWALL PER CALTRANS STD. D89	EA	2
15	CONSTRUCT RIPRAP CLASS LIGHT D50-1.5, D100-1.5 (DIMENSIONS PER PLAN)	TON	818
16	CONSTRUCT CONCRETE COLLAR PER INFO & MTD STD. M 803	EA	1
17	CONSTRUCT CONCRETE PIPE SLOPE ANCHOR PER DETAIL ON SHEET 8	EA	5
18	PROTECT IN PLACE	LS	LUMP SUM
19	REMOVE AND DISPOSE OFFSITE	LS	LUMP SUM

**LEGAL DESCRIPTION**

ACCESSORIAL PARCELS: NUMBERS  
290-130-001, 290-130-004, 290-130-005,  
290-130-006, 290-130-002, 290-130-003,  
290-130-004, 290-130-005  
TOWNSHIP 5 SOUTH, RANGE 5 WEST SAN  
BERNARDINO BASE AND MERIDIAN.

**LEGEND**



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCUMBRANCE PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

THE PRIVATE ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE DESIGN HEREON. IN THE EVENT OF DISCREPANCIES ARISING AFTER COUNTY APPROVAL OR DURING CONSTRUCTION, THE PRIVATE ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE COUNTY.

SEAL-COUNTY	COUNTY OF RIVERSIDE	SEAL-ENGINEER	JAMES R. BOLTON
<b>BUILDING AND SAFETY</b>		<b>ENGINEERING</b>	
APPROVED BY:		LAND PLANNING SURVEYING	
(COUNTY NAME HERE)	DATE	337 N. SHERIDAN STREET SUITE 117 CORONA, CALIFORNIA 92880 TEL: (951) 279-1800 FAX: (951) 279-4380	BENCHMARK: ---
RECOMMENDED	DATE	PREPARED BY: JAMES R. BOLTON	SCALE: AS SHOWN
ENGINEER	DATE	R.C.E. NO. 30336	FOR: ---

**OWNER / DEVELOPER**  
SPEEDWAY DEVELOPMENT, LLC  
5250 FARRIS ROAD, SUITE K  
DUNO HILLS, CA 91709  
PHONE: (951) 383-2000  
FAX: (951) 383-2008  
CONTACT: TOM CHAVEZ

**JOB SITE ADDRESS**  
TEMESCAL CANYON ROAD  
NORTH OF INDIAN TRUCK TRAIL  
CORONA, CA 92880

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	TITLE SHEET / GRADING INDEX / GRADING NOTES
2	GRADING DETAILS
3-7	GRADING SECTIONS
8	GRADING PLAN SHEETS
9-17	STORMWATER INDEX / STORMWATER NOTES / STORMWATER DETAILS

**TRACT**

COUNTY OF RIVERSIDE  
TEMESCAL CANYON GATEWAY CENTER  
ROUGH GRADING PLANS  
TITLE SHEET / GRADING INDEX / GRADING NOTES

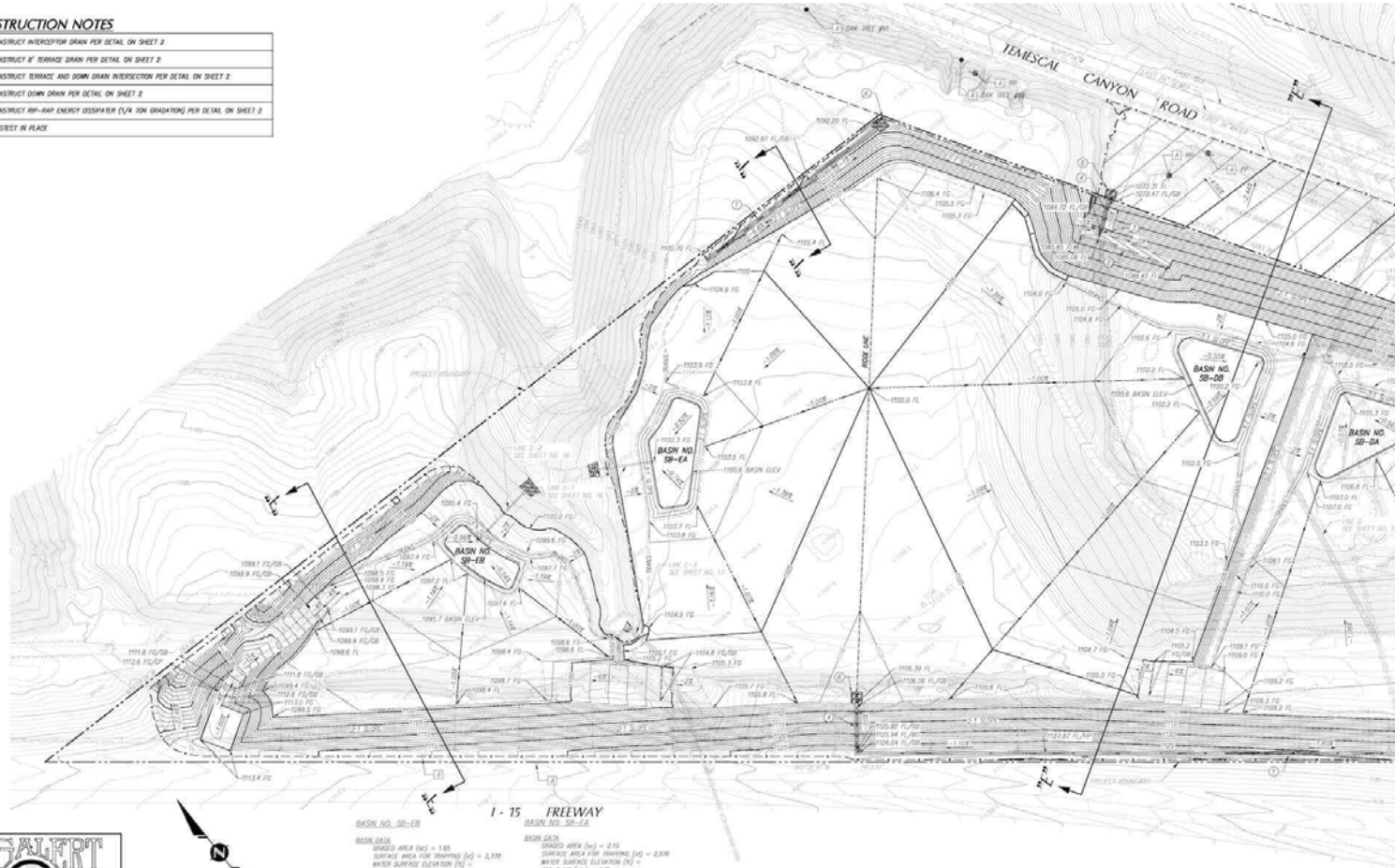
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1

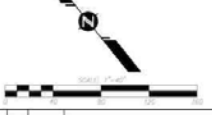
OF 18 SHEETS

**CONSTRUCTION NOTES**

1. CONSTRUCT INTERCEPTOR DRAIN PER DETAIL ON SHEET 2
2. CONSTRUCT 18" TERRACE DRAIN PER DETAIL ON SHEET 2
3. CONSTRUCT TERRACE AND DOWN DRAIN INTERSECTION PER DETAIL ON SHEET 2
4. CONSTRUCT DOWN DRAIN PER DETAIL ON SHEET 2
5. CONSTRUCT RIP-RAP ENERGY DISSIPATOR (1/4" TO 1" GRAVEL) PER DETAIL ON SHEET 2
6. PROJECT IN PLACE



SEE SHEET NO. 5



**BASIN NO. 50-08**  
 BASIN DATA  
 GRADED AREA (sq) = 1.65  
 SURFACE AREA FOR TREATING (sq) = 2.38  
 WATER SURFACE ELEVATION (ft) = 1108.4  
 CTD-8 IN (ft) = 1.42  
 CTD-18 IN (ft) = 3.22

**BASIN NO. 50-EA**  
 BASIN DATA  
 GRADED AREA (sq) = 2.10  
 SURFACE AREA FOR TREATING (sq) = 2.98  
 WATER SURFACE ELEVATION (ft) = 1108.4  
 CTD-8 IN (ft) = 2.21  
 CTD-18 IN (ft) = 5.02

**CONSTRUCTION DATA**  
 BASIN FC = FIVE  
 TOP OF EMBANKMENT = 1108.0  
 ROSEY PIPE DIAMETER = 36"  
 GULLET PIPE DIAMETER = 36"

**CONSTRUCTION DATA**  
 BASIN FC = FIVE  
 TOP OF EMBANKMENT = 1108.0  
 ROSEY PIPE DIAMETER = 36"  
 GULLET PIPE DIAMETER = 36"

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT CONSTITUTE AN ENCROACHMENT PERMIT AND/OR A SIGNAGE PERMIT HAS BEEN ISSUED.

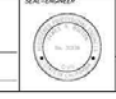
THE PREPARED ENGINEER SOLELY AND EXCLUSIVELY IS RESPONSIBLE FOR ASSURING THE ACCURACY AND COMPLETENESS OF THE DESIGN HEREIN IN THE ABSENCE OF DISCREPANCIES, ERRORS, OMISSIONS, OR CONFLICTS. THE PREPARED ENGINEER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPLICABLE AGENCIES AND AGENCIES OF THE COUNTY OF RIVERSIDE.

DATE	BY	REVISIONS

DATE	BY	REVISIONS

DATE	BY	REVISIONS

DATE	BY	REVISIONS



**ENGINEERING**  
**LAND PLANNING**  
**SURVEYING**

PREPARED BY: JANET R. BOLTON  
 R.C.E. NO. 33238, DATE:  

PROJECT NO.  

TRACT: COUNTY OF RIVERSIDE  
 TEMISCAL CANYON GATEWAY CENTER  
 ROUGH GRADING PLANS

SHEET NO. 4  
 OF 18 SHEETS



SEE SHEET NO. 4

SEE SHEET NO. 6



**CONSTRUCTION NOTES**

- 1. CONSTRUCT INTERCEPTOR DRAIN PER DETAIL ON SHEET 2
- 2. CONSTRUCT 4' TERRACE DRAIN PER DETAIL ON SHEET 2
- 3. CONSTRUCT TERRACE AND DOWN DRAIN INTERSECTION PER DETAIL ON SHEET 2
- 4. CONSTRUCT DOWN DRAIN PER DETAIL ON SHEET 2
- 5. CONSTRUCT SPLASHWALL PER DETAIL ON SHEET 2
- 6. CONSTRUCT SIP-RAP ENERGY DISSIPATOR (1/4 TON GRADATOR) PER DETAIL ON SHEET 2
- 7. PROJECT IN PLACE
- 8. REMOVE AND DISPOSE OFFSITE

**Basin No. 30-DB**

Basin Data  
 Graded Area (sq) =  
 Surface Area for Draining (sq) =  
 Water Surface Elevation (ft) =  
 300-6 HD (dia) =  
 3000 (dia) = 14.50

Construction Data  
 Basin FC = 100  
 Top of Embankment =  
 Inlet Pipe Diameter =  
 Outlet Pipe Diameter =

**Basin No. 30-DA**

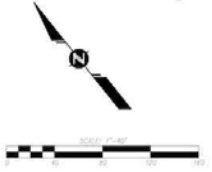
Basin Data  
 Graded Area (sq) =  
 Surface Area for Draining (sq) =  
 Water Surface Elevation (ft) =  
 300-6 HD (dia) = 4.67  
 3000 (dia) = 14.50

Construction Data  
 Basin FC = 100  
 Top of Embankment =  
 Inlet Pipe Diameter =  
 Outlet Pipe Diameter =

**Basin No. 30-CA**

Basin Data  
 Graded Area (sq) =  
 Surface Area for Draining (sq) =  
 Water Surface Elevation (ft) =  
 300-6 HD (dia) = 12.89  
 3000 (dia) = 14.50

Construction Data  
 Basin FC = 100  
 Top of Embankment =  
 Inlet Pipe Diameter =  
 Outlet Pipe Diameter =



NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT CONSTITUTE AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.  
 THE PRESENT ENGINEER'S DESIGN AND PLANS IS IN ACCORDANCE WITH THE BUILDING AND SAFETY ACT AND THE COUNTY ORDINANCES AND REGULATIONS. THE ENGINEER'S DESIGN SHALL BE AS SHOWN FOR CONSTRUCTION AND ANY NECESSARY SOLUTIONS AND CHANGES SHALL BE THE RESPONSIBILITY OF THE CLIENT.

DATE	BY	REVISIONS	DATE	COUNTY

SEAL-COUNTY

COUNTY OF RIVERSIDE  
**BUILDING AND SAFETY**  
 APPROVED BY: \_\_\_\_\_  
 COUNTY NAME (HERE) DATE  
 RECOMMENDED DATE

SEAL-ENGINEER

**KJA** ENGINEERING  
 LAND PLANNING  
 SURVEYING  
 PREPARED BY: JANET R. BOLTON  
 R.C.E. NO. 30226 DATE: 04/11

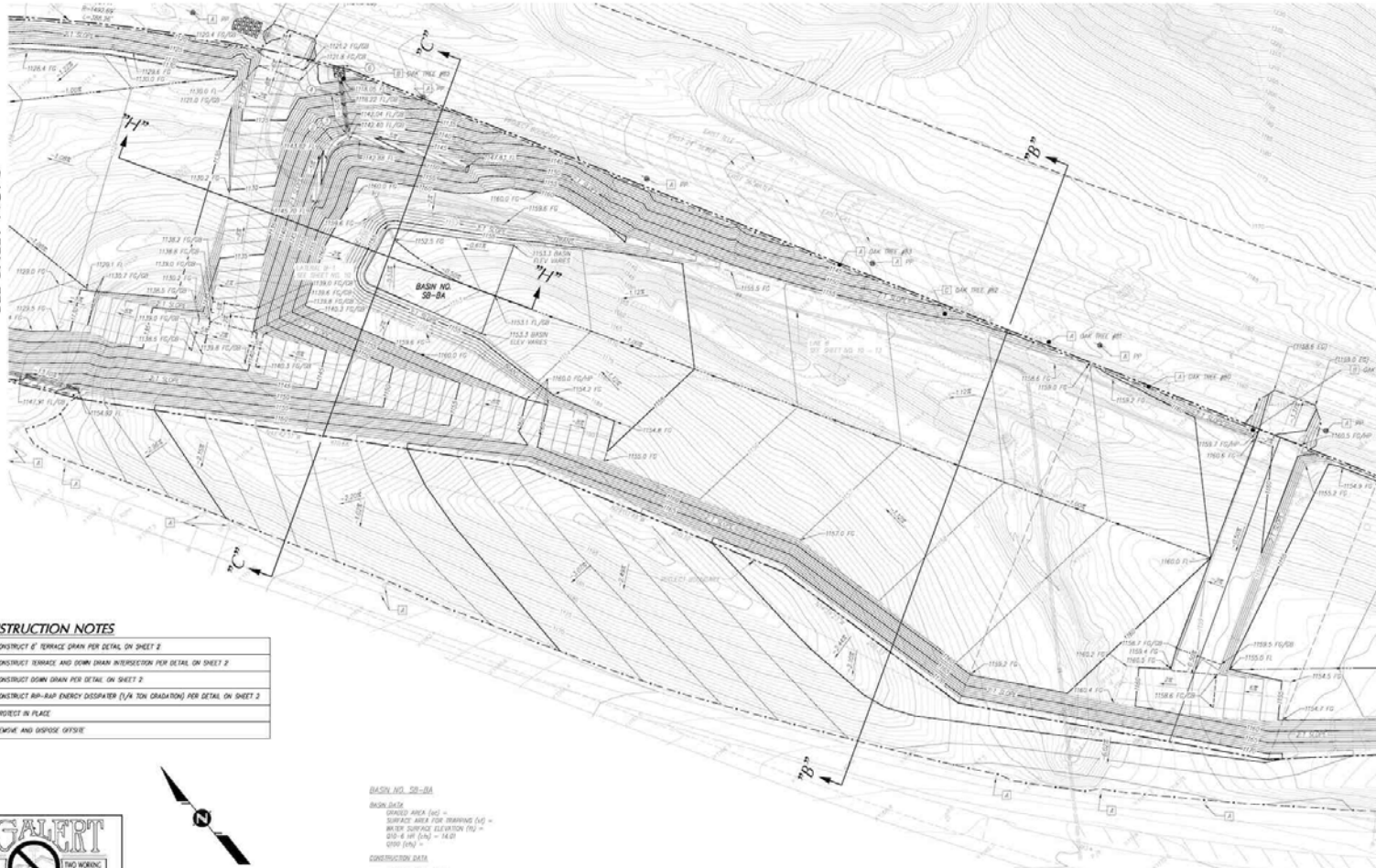
PROJECT: 107 N. SHERIDAN STREET SUITE 217 CORONA, CALIFORNIA 92620 TEL: (951) 279-1600 FAX (951) 279-4362

TRACT: COUNTY OF RIVERSIDE TEMESCAL CANYON GATEWAY CENTER ROUGH GRADING PLANS  
 BCR#: \_\_\_\_\_  
 SHEET NO. 5 OF 18 SHEETS

SCALE: AS SHOWN  
 DATE: 04/11

SEE SHEET NO. 5

SEE SHEET NO. 7



**CONSTRUCTION NOTES**

- 1 - CONSTRUCT 6" TERRACE DRAIN PER DETAIL ON SHEET 2
- 2 - CONSTRUCT TERRACE AND DOWN DRAIN INTERSECTION PER DETAIL ON SHEET 2
- 3 - CONSTRUCT DOWN DRAIN PER DETAIL ON SHEET 2
- 4 - CONSTRUCT RIP-RAP ENERGY DISSIPATOR (1/4 TON GRADATION) PER DETAIL ON SHEET 2
- A - PROJECT IN PLACE
- B - REMOVE AND DISPOSE OFFSITE



**BASIN NO. 38-3A**  
 BASIN AREA (SQ) =  
 SURFACE AREA FOR BRANNING (SQ) =  
 BASKIN SURFACE ELEVATION (FO) =  
 30'-6" (LN) = 14.21'  
 30'-0" (LN) = 14.00'

**CONSTRUCTION DATA**  
 BASIN FO (FO) = 1150'  
 TOP OF EMBANKMENT (FO) =  
 INSIDE PIPE CORNER (FO) =  
 OUTLET PIPE DIAMETER (FO) =

NOTE: WORK CONTRACTED WITHIN THESE PLANS SHALL NOT COMMENCE UNTIL AN ENCUMBRANCE PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.

THE PREPARED ENGINEER'S SIGNATURE AND SEAL SHALL BE IN POSSESSION OF THE PERSON PERFORMING THE WORK AS THE PREREQUISITE FOR THE PROVISION OF THE COUNTY'S INSURANCE COVERAGE. THE PERSON PERFORMING THE WORK SHALL BE RESPONSIBLE FOR OBTAINING ANY NECESSARY PERMITS AND FOR OBTAINING THE PLANS FOR REVIEW BY THE COUNTY.

DATE	BY	REVISIONS	DATE	BY	COUNTY

SEAL-COUNTY	COUNTY OF RIVERSIDE
	<b>BUILDING AND SAFETY</b>
	APPROVED BY:
(COUNTY NAME HERE)	DATE
RECOMMENDED	DATE

SEAL-ENGINEER

**KJA** ENGINEERING  
 LAND PLANNING  
 SURVEYING

307 N. SHERIDAN STREET  
 SUITE 217  
 CORONA, CALIFORNIA 92706  
 TEL: (951) 279-1800  
 FAX: (951) 279-4362

PREPARED BY:  
 JANET R. BOLTON R.C.E. NO. 33228 DATE: 04/11

REVISIONS: SEE SHEET 1

SCALE: AS SHOWN

TRACT: COUNTY OF RIVERSIDE  
 TEMESCAL CANYON GATEWAY CENTER  
 ROUGH GRADING PLANS

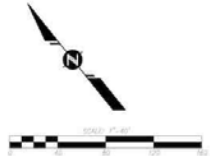
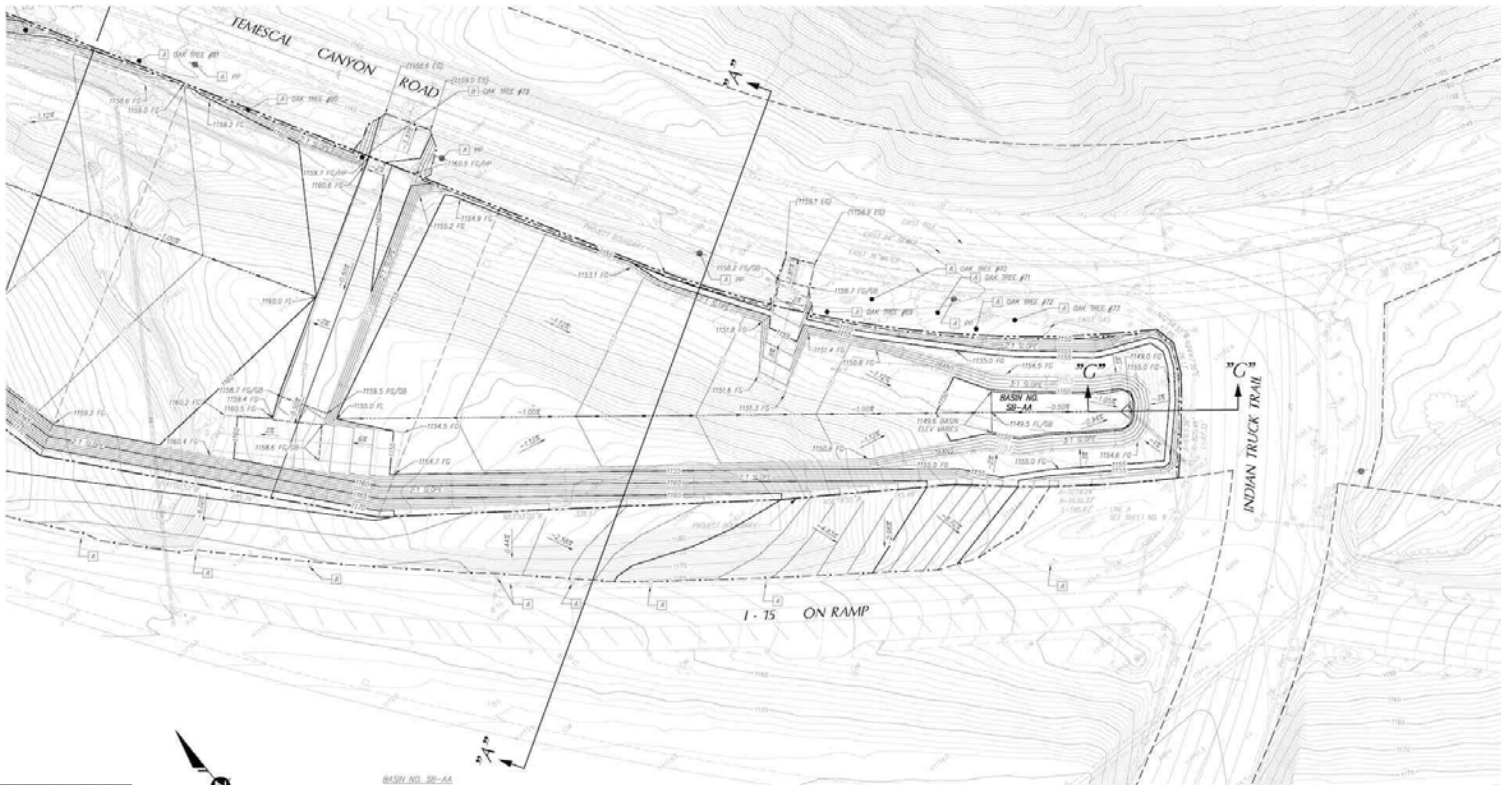
BCR#

SHEET NO. 6  
 OF 18 SHEETS

**CONSTRUCTION NOTES**

(A)	PROTECT IN PLACE
(B)	REMOVE AND DISPOSE OFFSITE

SEE SHEET NO. 6



BASIN NO. SR-6A  
 BANK DATA  
 SHOULDER AREA (ft) = 2.04  
 SURFACE AREA FOR TRAFFIC (ft) = 5.99  
 STD. 6 IN (ft) = 0.79  
 STD. 6 IN (ft) = 0.88  
 CONSTRUCTION DATA BASIN  
 TOP OF EMBANKMENT = 1155  
 WATER SURFACE ELEVATION =  
 FLOW = 1.79  
 RIBBY PIPE DIAMETER = 36"  
 OUTLET PIPE DIAMETER = 36"

NOTE: WORK CONTAINED WITHIN THESE PLANS SHALL NOT CONSTITUTE BASIS FOR AN ENCROACHMENT PERMIT AND/OR A GRADING PERMIT HAS BEEN ISSUED.  
 THE PREPARED ENGINEER SIGNING THESE PLANS IS RESPONSIBLE FOR ASSURING THE ACCURACY AND COMPLETENESS OF THE DESIGN HEREIN AS THE RESULT OF PROFESSIONAL SERVICES RENDERED TO THE COUNTY PURSUANT TO THE PROFESSIONAL ENGINEERING ACT. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVING THE PLANS FOR THE PURPOSES OF THE COUNTY.

DATE	BY	REVISIONS	DATE	COUNTY

SEAL-COUNTY

COUNTY OF RIVERSIDE  
**BUILDING AND SAFETY**  
 APPROVED BY:  
 (COUNTY NAME HERE) DATE  
 RECOMMENDED DATE



ENGINEERING  
**KJA**  
 LAND PLANNING  
 SURVEYING  
 PREPARED BY:  
 JANET R. BOLTON R.C.E. NO. 33224 DATE

307 N. SHERIDAN STREET  
 SUITE 217  
 CORONA, CALIFORNIA 92626  
 TEL: (951) 279-4800  
 FAX: (951) 279-4362

TRACT  
 COUNTY OF RIVERSIDE  
 TEMESCAL CANYON GATEWAY CENTER  
 ROUGH GRADING PLANS  
 SHEET NO. 7  
 OF 18 SHEETS

SCALE: AS SHOWN  
 DATE: 04/15/2011

**APPENDIX D**  
**PHOTOGRAPHS**

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Photo 1: Overview from northeast corner of project site (S)



Photo 2: Overview from northeast corner of project site (SW)

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Photo 3: Overview from northwest corner of project site (SE)



Photo 4: Overview from northwest corner of project site (E)

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Photo 5: CA-RIV-3832H, Feature 2 (N)



Photo 6: CA-RIV-3832H, Feature 2 (SE)



Photo 7: CA-RIV-3832H, Feature 4 (S)



Photo 8: CA-RIV-3832H, Feature 1 (W)

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Photo 9: CA-RIV-3832H, Feature 3 (NE)



Photo 10: CA-RIV-3832H, railroad grade (NW)

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Photo 11: CA-RIV-3832H, Feature 5 (N)



Photo 12: Project site overview from southern boundary (NW)

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