



**GENERAL BIOLOGICAL ASSESSMENT
FOR
ASSESSOR'S PARCEL NUMBERS
379-230-001 AND -002**

**CITY OF LAKE ELSINORE
RIVERSIDE COUNTY, CALIFORNIA**

Prepared for:

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1.0 Introduction

Hernandez Environmental Services (HES) was contracted by Coastal Commercial Properties to prepare a General Biological Assessment (GBA) and Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) habitat assessment for Assessor's Parcel Numbers (APNs) 379-230-001 and 002 located in the City of Lake Elsinore, Riverside County, California.

1.1 Project Site Location

The approximate 10-acre project site is located south of Lakeshore Drive and Gunnerson Street in the City of Lake Elsinore, Riverside County, California. Specifically, the project site is located within Section 35, Township 5 South, Range 5 West of the *Elsinore* United States Geological Survey (USGS) 7.5' topographic quadrangle. The center point latitude and longitude coordinates for the project site are 33°41'10.8040" North and 117°22'20.5529" West (Figures 1 and 2).

1.2 Project Description

The proposed project consists of the construction of multi-family residential development. The proposed multi-family residential development will include the construction of approximately 180 residential units, a recreational center, park, associated parking areas and internal roadways (Figure 3). The proposed project also includes the installation of associated utilities, infrastructure, and access driveways. The proposed development will impact the entire 10-acre project site.

2.0 Methodology

2.1 Literature Review

HES conducted a literature review and reviewed aerial photographs and topographic maps of the project site and surrounding areas. A five-mile radius was used to identify sensitive species with the California Natural Diversity Data Base (CNDDB), the U.S. Fish and Wildlife Service (USFWS) Endangered Species Lists, and the California Native Plant Society (CNPS) Rare Plant Inventory to obtain species information for the project area. The CNDDB and USFWS critical habitat databases were utilized, together with Geographic Information System (GIS) software, to locate the previously recorded locations of sensitive plant and wildlife occurrences and designated critical habitat and determine the distance from the project site. Additionally, the Western Riverside County MSHCP was reviewed for information on known occurrences of sensitive species within Riverside County.

2.1.1 Western Riverside County MSHCP

The Western Riverside County MSHCP is a comprehensive, multijurisdictional habitat conservation planning program for western Riverside County, California. The purpose of the Western Riverside County MSHCP is to preserve native habitats, and to this end, the plan focuses upon the habitat needs of multiple species rather than one species at a time. The Western Riverside County MSHCP provides coverage/take

authorization for some species listed under the federal or state Endangered Species Act (ESA) as well as non-listed special-status plant and wildlife species. It also provides mitigation for impacts to special-status species and their associated habitats.

Through agreements with the USFWS and California Department of Fish and Wildlife (CDFW), 146 listed and special-status plant and animal species receive some level of coverage under the Western Riverside County MSHCP. Of the 146 covered species, the majority have no additional survey needs or conservation requirements. Furthermore, the Western Riverside County MSHCP provides mitigation for project-specific impacts to these species, thereby reducing the degree of impact to below a level of significance, pursuant to the California Environmental Quality Act (CEQA).

Several of the species covered under the Western Riverside County MSHCP have additional survey requirements. These include the riparian communities and associated species addressed in Section 6.1.2 of the Western Riverside County MSHCP document (“Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools”), plants identified in Section 6.1.3 (“Narrow Endemic Plant Species”); and plants and animal species addressed in Section 6.3.2 (“Additional Survey Needs and Procedures”).

2.1.2 Project Relationship to the Western Riverside County MSHCP

The project area is located within the Western Riverside County MSHCP boundaries. The City of Lake Elsinore, acting as the lead agency for the proposed project, is a permittee under the Western Riverside County MSHCP and, therefore, is afforded coverage under the state or federal ESAs for impacts to listed species covered by the plan. The City is required to document consistency with the Western Riverside County MSHCP in conjunction with any discretionary approvals for the project. As such, this report was prepared to provide all necessary information required to determine project consistency with the Western Riverside County MSHCP.

The project area is located within the Western Riverside County MSHCP Elsinore Area Plan. The project site is not located within a Criteria Cell or Cell Group, within plan-defined areas requiring surveys for narrow endemic plant species or criteria area species. The project site is not located within plan-defined areas requiring surveys for amphibian species, burrowing owl, or mammalian species.

2.2 Field Survey

On March 3, 2022, HES biologists conducted a field survey of the approximate 10-acre project site. The ambient temperature at 1:30 P.M. was 72 degrees Fahrenheit, sunny, with calm winds. The purpose of the field survey was to document the existing habitat conditions, obtain plant and animal species information, view the surrounding land uses, assess the potential for state and federal waters, assess the potential for wildlife movement corridors, and assess the presence of constituent elements for critical habitat, if present.

Linear transects spaced approximately 50 to 100 feet apart were walked across the project site for 100 percent coverage. All species observed were recorded. Global Positioning System (GPS) waypoints were taken to delineate specific habitat types, species locations, state or federal waters, and any other information that would be useful for the assessment of the project site. A comprehensive list of all plant and wildlife species that were detected during the field survey within the project site is included in Appendix A. Sensitive plant and wildlife species with the potential to occur within the project area are listed in Appendix B. Representative site photographs were taken and are included within Appendix C.

3.0 Existing Conditions and Results

3.1 Environmental Setting

The project site consists of vacant, disturbed land with evidence of weed abatement activities. The site is relatively flat with elevations ranging from 1,304 feet above mean sea-level (AMSL) to 1,320 feet AMSL. The site is dominated by non-native ruderal vegetation. A man-made, unvegetated basin containing a stormdrain outlet is located within the northern portion of the site. The basin is an isolated feature that appears to be cleared and maintained regularly. The site is surrounded by Lakeshore Drive to the northeast, commercial and residential developments to the west, and residential developments to the south, and east.

3.2 Soils

Hanford coarse sandy loam (HcC), 2 to 8 percent slopes, has historically been mapped on the project site by the USDA Web Soil Survey (Appendix D).

3.3 Plant and Habitat Communities

The 10-acre project site consists of disturbed, ruderal habitat and disturbed, non-vegetated areas (Figure 4).

Ruderal

The project site contains approximately 9.78 acres of ruderal areas. These areas are dominated by non-native plant species; however, some native species are present. These areas appear to be disked regularly for weed abatement purposes. The dominant plant species observed within these areas include slender wild oats (*Avena barbata*), wall barley (*Hordeum murinum*), fiddleneck (*Amsinckia menziesii*), shortpod mustard (*Hirschfeldia incana*), and wild radish (*Raphanus sativus*). Ornamental plant and tree species including Lemon-scented gum (*Corymbia citriodora*), European fan palm (*Chamaerops humilis*), Oleander (*Nerium oleander*), and Weeping willow (*Salix babylonica*) were observed along the southwestern and western property boundaries.

Disturbed Non-Vegetated

The project site contains approximately 0.22 acres of disturbed, non-vegetated areas. These areas consist of a graded man-made basin containing a stormdrain outlet located at the northern portion of the project site.

3.4 Wildlife

General wildlife species documented on the project site or within the vicinity of the site include the California ground squirrel (*Spermophilus beecheyi*), American crow (*Corvus brachyrhynchos*), raven (*Corvus corax*), Savannah sparrow (*Passerculus sandwichensis*), yellow-rumped warbler (*Setophaga coronata*), house finch (*Haemorhous mexicanus*), and other bird species. The complete list of species observed is included in Appendix A.

3.5 Regional Connectivity/Wildlife Movement

Wildlife movement corridors can be local or regional in scale; their functions may vary temporally and spatially based on conditions and species present. Wildlife corridors represent areas where wildlife movement is concentrated due to natural or anthropogenic constraints. Local corridors provide access to resources such as food, water, and shelter. Animals use these corridors, which are often hillsides or riparian areas, to move between different habitats. Regional corridors provide these functions and link two or more large habitat areas. They provide avenues for wildlife dispersal, migration, and contact between otherwise distinct populations.

The project site is not located within a designated wildlife corridor or linkage. The project area was evaluated for its function as a wildlife corridor that species use to move between wildlife habitat zones. The project site consists of flat, disturbed land and is surrounded by urban development. No wildlife movement corridors were found to be present on the project site.

4.0 Sensitive Biological Resources

4.1 Threatened and Endangered Species

A total of 58 sensitive species of plants and 58 sensitive species of animals has the potential to occur on or within the vicinity of the project location. These include those species listed or candidates for listing by the USFWS, CDFW, and CNPS. All habitats with the potential to be used by sensitive species were evaluated during the site visit and a determination has been made for the presence or probability of presence within this report. This section will address those species listed as Candidate, Rare, Threatened, or Endangered under the state and federal endangered species laws or directed to be evaluated under the Western Riverside County MSHCP. Sensitive species which have a potential to occur will also be discussed in this section. Other special status species are addressed within Appendix B.

4.1.1 Threatened and Endangered Plants

A total of 19 plant species are listed as state and/or federally Threatened, Endangered, or Candidate species; are required to be reviewed under the Narrow Endemic Plant section of the Western Riverside MSHCP; or are 1B.1 listed plants on the CNPS Rare Plant Inventory. Four other sensitive species will also be described in this section. Below are descriptions of these species:

Chaparral sand-verbena

Chaparral sand-verbena (*Abronia villosa* var. *aurita*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in sandy areas of chaparral, coastal scrub, and desert dunes habitats. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Munz's onion

Munz's onion (*Allium munzii*) is listed as a federally Endangered and state Threatened Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in chaparral, coastal scrub, valley and foothill grasslands, cismontane woodland, and pinyon and juniper woodland. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

San Diego ambrosia

San Diego ambrosia (*Ambrosia pumila*) is listed as a federally Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes chaparral, coastal sage scrub, valley and foothill grassland. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Rainbow manzanita

Rainbow Manzanita (*Arctostaphylos rainbowensis*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is usually found in gabbro chaparral habitat. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

San Jacinto Valley crownscale

San Jacinto Valley crownscale (*Atriplex coronata* var. *notatior*) is listed as a federally Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes playas, valley and foothill grassland, and vernal pools. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Parish's brittlescale

Parish's brittlescale (*Atriplex parishii*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes shadescrub, alkali sink, riparian, playas, vernal pools and wetland. The project site consists

of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Thread-leaved brodiaea

The thread-leaved brodiaea (*brodiaea filifolia*) is listed as a federally Threatened and state Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in chaparral, cismontane woodlands, coastal sage scrub, valley and foothill grasslands, vernal pools and wetland. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Smooth tarplant

Smooth tarplant (*Centromadia pungens* ssp. *laevis*) is ranked 1B.1 in the CNPS Rare Plant Inventory. The species habitat includes alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, and valley and foothill grasslands. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Parry's spineflower

Parry's spineflower (*Chorizanthe parryi* var. *parryi*) is ranked 1B.1 in the CNPS Rare Plant Inventory. The species occurs in dry, sandy soils on dry slopes and flats, sometimes at the interface of two vegetations types, such as chaparral and oak woodland. Its habitat includes coastal scrub, chaparral, cismontane woodland, valley and foothill grassland. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Slender-horned spineflower

Slender - horned spineflower (*Dodecahema leptoceras*) is listed as a federally and state Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes chaparral, cismontane woodland, and coastal scrub (alluvial fan sage scrub). The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

San Diego button-celery

San Diego button-celery (*Eryngium aristulatum* var. *parishii*) is listed as a federally and state Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes coastal scrub, valley & foothill grasslands, vernal pools, and wetlands. Its flowering period is from May to June. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Campbell's liverwort

Campbell's liverwort (*Geothallus tuberosus*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes coastal scrub, and vernal pools. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Tecate cypress

Tecate cypress (*Hesperocyparis forbesii*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found on clay or gabbro, primarily on north-facing slopes and in groves often associated with chaparral habitat. Its habitat includes closed-cone coniferous forest, and chaparral. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Mesa horkelia

Mesa horkelia (*Horkelia cuneata var. puberula*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes chaparral, cismontane woodland, and coastal scrub. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Coulter's goldfields

Coulter's goldfields (*Lasthenia glabrata ssp. coulteri*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes alkali playas, marsh, swamp, salt marsh, vernal pool, and wetland. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Parish's meadowfoam

Parish's meadowfoam (*Limnanthes alba ssp. parishii*) is listed as a state Endangered Species. It is ranked 1B.2 in the CNPS rare plant inventory. This species is typically found in vernal moist areas and temporary seeps of highland meadows and plateaus. They are also often found bordering lakes and streams. It is found in lower montane coniferous forest, meadows and seeps, wetland, and vernal pools. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Spreading navarretia

Spreading navarretia (*Navarretia fossalis*) is listed as a federally Threatened Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes alkali playa, chenopod scrub, marsh and swamp, vernal pools, and wetlands. This species is typically found in swales and vernal pools, often surrounded by other habitat types. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

California Orcutt grass

California Orcutt grass (*Orcuttia californica*) is listed as a federally and state Endangered Species. It is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in vernal pools. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Bottle liverwort

Bottle liverwort (*sphaerocarpos drewiae*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes coastal sage scrub and chaparral. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

4.1.2 Other Sensitive Plants

Payson's jewelflower

Payson's jewelflower (*Caulanthus simulans*) is ranked 4.2 in the CNPS Rare Plant Inventory. It is found in coastal scrub and chaparral habitats, frequently in burned or disturbed areas. This species can also be found in streambeds and on rocky, steep slopes. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Robinson's pepper-grass

Robinson's pepper-grass (*Lepidium virginicum* var. *robinsonii*) is ranked 4.3 in the CNPS Rare Plant Inventory. This species exists in chaparral and coastal scrub with dry soils and shrubland. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

White rabbit-tobacco

White rabbit-tobacco (*Pseudognaphalium leucocephalum*) is ranked 2B.2 in the CNPS Rare Plant Inventory. This species habitat includes chaparral and riparian woodlands as well as coastal scrub. It can be found on sandy, gravelly sites. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

San Bernadino aster

San Bernadino aster (*Symphyotrichum defoliatum*) is ranked 1B.2 in the CNPS Rare Plant Inventory. Its habitat includes woodlands, coniferous forests, coastal scrub, marshes and swamps, meadows and seeps, and valley and foothill grasslands. It is found near vernal mesic grassland or near ditches, streams, and springs, and in disturbed areas. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

4.1.3 Threatened and Endangered Animals

A total of 22 animal species are listed as state and/or federal Threatened, Endangered, Candidate will be reviewed in this section. Sensitive species which have a potential to occur will also be discussed in this section. All sensitive species within a 5-mile radius of project area were reviewed and a complete list of those species are discussed within Appendix B, *Potential Species List*. Below are descriptions of these species:

Tricolored blackbird

Tricolored blackbird (*Agelaius tricolor*) is a state listed Threatened Species and a CDFW Species of Special Concern. The species occupies freshwater marshes with canopies of willows and other riparian trees. This species requires open accessible water and suitable foraging space. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Arroyo toad

Arroyo Toad (*Anaxyrus californicus*) is a federally listed Endangered Species and a CDFW Species of Special Concern. The most favorable breeding habitat for this species consists of slow-moving shallow pools, nearby sandbars, and adjacent stream terraces. Its habitat includes desert wash, riparian scrub, riparian woodland, south coast flowing waters, and south coast standing waters. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Southern California legless lizard

Southern California legless lizard (*Anniella stebbinsi*) is a CDFW Species of Special Concern. It is found in a variety of habitats, generally around moist, loose soil. This species is generally found south of the Transverse Range, extending to northwestern Baja California, with disjunct populations found in the Tehachapi and Piute Mountains in Kern County. Its habitat includes broadleaved upland forest, chaparral, coastal dunes, and coastal scrub. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

California glossy snake

California glossy snake (*Arizona elegans occidentalis*) is a CDFW Species of Special Concern. This species is found in arid scrub, rocky washes, grassland and chaparral habitats, often with loose or sandy soils. It is patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Coastal whiptail

Coastal whiptail (*Aspidoscelis tigris stejnegeri*) is a CDFW Species of Special Concern. It is found in deserts and semi-arid regions with sparse vegetation and open areas, as well as woodland and riparian habitats. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Burrowing owl

Burrowing owl (*Athene cunicularia*) is a CDFW Species of Special Concern. Its habitat includes coastal prairie, coastal scrub, Great Basin grassland, Great Basin scrub, Mojave Desert scrub, Sonoran Desert scrub, and valley and foothill grassland. This species is typically found in open and dry annual or perennial

grasslands, deserts, and scrublands characterized by low-growing vegetation. It is a subterranean nester and is dependent upon burrowing mammals, most notably the California ground squirrel.

The project site consists of disturbed, ruderal habitat, and is surrounded by urban uses in all directions. The site appears to be disked regularly for weed abatement purposes. Although ground squirrel were observed during the survey and the project site supports fossorial mammal burrows, no burrowing owl or burrowing owl sign was observed within the project area. **This species is not present.**

Vernal pool fairy shrimp

Vernal pool fairy shrimp (*Branchinecta lynchi*) is a federally listed Threatened Species. This species is found in seasonal pools of water in valley and foothill grasslands. This species typically inhabits small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

San Diego fairy shrimp

San Diego fairy shrimp (*Branchinecta sandiegensis*) is a federally listed Endangered Species. This species is found in chaparral, coastal scrub, vernal pool, and wetland habitats. It is endemic to San Diego and Orange County mesas. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Swainson's hawk

Swainson's hawk (*Buteo swainsoni*) is a state listed Threatened Species. This species favors open grasslands for foraging but also occurs in agricultural settings. It relies on scattered stands of trees near agricultural fields and grasslands for nesting sites. Its habitats include great basin grassland, riparian forest, riparian woodland, and valley and foothill grassland. The project site consists of disturbed, ruderal habitat. The project site does not contain suitable habitat for this species. **This species is not present.**

Western snowy plover

Western snowy plover (*Charadrius alexandrinus nivosus*) is a federally listed Threatened Species and a CDFW Species of Special Concern. This species typically nests in sandy, gravelly, or friable soils. It is commonly found in great basin standing waters, sand shores and wetland habitats. The project site consists of disturbed, ruderal habitat. The project site does not contain suitable habitat for this species. **This species is not present.**

San Bernardino kangaroo rat

San Bernardino kangaroo rat (*Dipodomys merriami parvus*) is a federally listed Endangered Species and a state listed Candidate Endangered Species. It is listed as a CDFW Species of Special Concern. It is found in coastal scrub habitat. This species is found in alluvial scrub vegetation on sandy loam substrates, characteristic of alluvial fans and flood plains. It needs early to intermediate seral stages. The project site

consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Stephens' kangaroo rat

Stephens' kangaroo rat (*Dipodomys stephensi*) is a federally listed Endangered and state listed Threatened Species. This species is found in coastal sage scrub with sparse vegetation cover, and in valley and foothill grasslands. This species prefers buckwheat, chamise, brome grass, and filaree and will burrow into firm soil. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Quino checkerspot butterfly

Quino checkerspot butterfly (*Euphydryas editha quino*) is a federally listed Endangered Species. It is found in chaparral and coastal sage scrub. This species requires high densities of food plants, including *Plantago erecta*, *P. insularis*, and *Orthocarpus purpurescens*. No habitat for this species is present on the project site. **This species is not present.**

Bald eagle

Bald eagle (*Haliaeetus leucocephalus*) is a state listed Endangered and CDFW Fully Protected Species. This species is found in lower montane coniferous forests and old-growth forests. They nest in large old-growth or tress with open branches, especially ponderosa pine. The project site consists of disturbed, ruderal habitat. The project site does not contain suitable habitat for this species. **This species is not present.**

San Diego black-tailed jackrabbit

San Diego black-tailed jackrabbit (*Lepus californicus bennettii*) is a CDFW Species of Special Concern. This species is found in coastal sage scrub throughout Southern California. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Steelhead-southern California DPS

Steelhead-southern California DPS (*Oncorhynchus mykiss irideus* pop. 10) is a federally listed Endangered Species. This species is likely to have greater physiological tolerances to warmer water and more variable conditions. Its habitats include aquatic and south coast flowing waters. The project site does not have suitable habitat for this species. **This species is not present.**

Coast horned lizard

Coast horned lizard (*Phrynosoma blainvillii*) is a CDFW Species of Special Concern. This species is found in coastal sage scrub, coastal bluff scrub, chaparral, cismontane woodland, desert wash, pinon and juniper woodlands, riparian scrub, riparian woodland, and valley and foothill grassland. This species thrives in open areas for sunning, bushes for cover, patches of loose soil for burial, and an abundant supply

of ants and other insects. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Coastal California gnatcatcher

Coastal California gnatcatcher (*Polioptila californica californica*) is a federally listed Threatened Species and CDFW Species of Special Concern. This species is found in coastal bluff scrub and coastal scrub habitat. This species is typically found in low, coastal sage scrub in arid washes, on mesas and slopes. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

California red-legged frog

California red-legged frog (*Rana draytonii*) is a federally listed Threatened Species and a CDFW Species of Special Concern. Its habitat includes aquatic, artificial flowing waters, artificial standing waters, freshwater marsh, marsh and swamp, riparian forest, riparian scrub, riparian woodland, Sacramento and San Juaquin flowing and standing waters, and south coast. It requires 11 to 20 weeks for larval development and must have access to estivation habitat. It is commonly found in lowlands and foothills, in or near permanent sources of deep water, with dense, shrubby, or emergent riparian vegetation. No habitat for this species is present on the project site. **This species is not present.**

Coast patch-nosed snake

Coast patch-nosed snake (*Salvadora hexalepis virgulnea*) is a CDFW Species of Special Concern. It can be found in coastal scrub and requires small mammal burrows for refuge and overwintering sites. The project site consists of disturbed, ruderal habitat. No habitat for this species is present on the project site. **This species is not present.**

Riverside fairy shrimp

Riverside fairy shrimp (*Streptocephalus woottoni*) is a federally listed Endangered Species. This species is found in coastal scrub, valley and foothill grassland, vernal pool, and wetland habitat. This species typically inhabits seasonally astatic pools filled by winter/spring rains. The project site consists of disturbed, ruderal habitat. The project site does not contain suitable habitat for this species. **This species is not present.**

Least Bell's vireo

Least Bell's vireo (*Vireo bellii pusillus*) is a federal and state listed Endangered species. This species is found in riparian forest, riparian scrub, and riparian woodland. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams. No suitable habitat for this species is present on the project site. **This species is not present.**

4.2 Nesting Birds

Migratory non-game native bird species are protected under the federal Migratory Bird Treaty Act. Additionally, Sections 3503, 3503.5, and 3513 of the California Fish and Game Code prohibit take of all birds and their active nests. The project site contains shrubs on the site and trees adjacent to the site that can be utilized by nesting birds during the nesting bird season of February 1 through September 15.

4.3 Critical Habitat

The project site is not within or adjacent to any federal critical habitat for endangered species.

4.4 State and Federal Drainages

The project site contains approximately 0.22 acres of an unvegetated, man-made basin containing a stormdrain outlet. The basin was constructed in uplands and intended to direct any stormwater flows onsite into the existing stormdrain system. The man-made basin is not connected to a natural stream, nor does it divert natural flow from any river, stream or lake. Therefore, the onsite basin would not be considered jurisdictional by CDFW. Further, the man-made basin is not adjacent to and is not considered waters of the United States. The basin is an isolated feature constructed in uplands that is not tributary to nor does it have a significant nexus (biological, chemical, or physical connection) to traditional navigable waters of the United States. Therefore, the man-made basin on the project site would not be considered federally jurisdictional under the Clean Water Act.

5.0 Project Impacts

5.1 Impacts to Existing Habitats

The 10-acre project site consists of disturbed, ruderal habitat and disturbed, non-vegetated areas. The proposed multi-family residential development will impact the entire 10-acre project site, including 9.78 acres of disturbed, ruderal habitat and 0.22 acre of disturbed, non-vegetated areas.

5.2 Impacts to Sensitive Species

No sensitive species have a potential to occur on the project site; therefore, no sensitive species will be impacted by this project.

5.3 Impacts to Nesting Birds

If the project will remove shrubs between February 1 and September 15, the project will have a potential to impact nesting birds. Implementation of the measures identified in the Recommendations section of this report will ensure that potential impacts to nesting birds are less than significant.

5.4 Impacts to Critical Habitat

The project site is not within or adjacent to any federal critical habitat for endangered species. No impacts to critical habitat would result from project implementation.

5.5 State and Federal Drainages

The project area does not contain any state or federal jurisdictional drainages; therefore, no impacts will result from project implementation.

5.6 Impacts to Wildlife Movement Corridors

Wildlife movement corridors link together areas of suitable habitat that are otherwise separated by rugged terrain, changes in vegetation, or human disturbances. The project site was evaluated for its function as a wildlife corridor that species would use to move between wildlife habitat zones. Typically, mountain canyons or riparian corridors are used by wildlife as corridors; the project site does not contain these features. The project site consists of flat, disturbed land that is surrounded by urban development. No wildlife movement corridors were found to be present on the project site. No impacts to wildlife movement corridors are expected.

5.7 Conflict with Local Policies or Ordinances Protecting Biological Resources

Any project activities that have the potential to impact onsite trees will require a survey of oak and native trees to comply with Riverside County Ordinance 559. No oak or native trees are located on the project site. Therefore, development of the project site would not conflict with local policies or ordinances protecting biological resources.

5.8 Conflict with the Provisions of an Adopted Habitat Conservation Plan, Natural Community Conservation Plan, or Other Approved Local, Regional, or State Habitat Conservation Plan

The site is located within the boundaries of the Western Riverside MSHCP. If Western Riverside MSHCP guidelines and requirements are followed, no conflicts are expected.

6.0 Western Riverside County MSHCP Consistency Analysis

6.1 MSHCP Requirements

The project area is located within the Western Riverside County MSHCP Elsinore Area Plan. The project site is not located within a Criteria Cell or Cell Group. A discussion of the applicable Western Riverside County MSHCP requirements follows:

Section 6.1.2 Species Associated with Riparian/Riverine Habitat and Vernal Pools

The project site does not contain habitat that may be considered riparian/riverine areas as defined in Section 6.1.2 of the Western Riverside County MSHCP. Due to the lack of suitable riparian habitat on the project site, focused surveys for riparian/riverine bird species listed in Section 6.1.2 of the MSHCP are not warranted.

Vernal pools are seasonal depressional wetlands that occur under Mediterranean climate conditions of the west coast and in glaciated conditions of northeastern and midwestern states. They are covered by shallow water for variable periods from winter to spring but may be completely dry most of the summer and fall. Vernal pools are usually associated with hard clay layers or bedrock, which helps keep water in the pools. Vernal pools and seasonal depressions usually are dominated by hydrophytic plants, hydric soils, and evidence of hydrology.

The entire site was evaluated for the presence of habitat capable of supporting brachiopods. The site was evaluated as described in the USFWS Survey Guidelines for the Listed Large Brachiopods (May 31, 2016). The project site is comprised of sandy loams. The onsite soils do not allow for water pooling on the site for any significant length of time after rain events. No vernal pools, swales, or vernal pool mimics such as ditches, borrow pits, cattle troughs, or cement culverts with signs of pooling water were found on the site. In addition, the site does not contain areas that showed signs of ponding water, hydrophytic vegetation, or soils typical of vernal pools that would be suitable for large brachiopods.

Section 6.1.3 Sensitive Plant Species

The project site is not located within the Western Riverside County MSHCP Narrow Endemic Plant Species Survey Area (NEPSSA) pursuant to Section 6.1.3 of the MSHCP. Therefore, the NEPSSA requirements are not applicable to the project.

Section 6.1.4 Urban/Wildlands Interface Guidelines

The project site is not located within or adjacent to a Western Riverside County MSHCP Conservation Area; therefore, the project site is not required to address Section 6.1.4 of the Western Riverside County MSHCP.

Section 6.3.2 Additional Surveys and Procedures

The project site is not located within the Western Riverside County MSHCP Additional survey areas for amphibians, mammals, burrowing owl, or any special linkage areas. In addition, the project site is not located within the Western Riverside County MSHCP Criteria Area Plant Species Survey Area (CAPSSA) pursuant to Section 6.3.2 of the Western Riverside County MSHCP.

7.0 Recommendations

Implementation of the following measures will mitigate any potential impacts resulting from project activities.

Nesting Birds

- It is recommended that vegetation removal be conducted during the non-nesting season for migratory birds to avoid direct impacts. The non-nesting season is between February 1 and September 15.
- If vegetation removal will occur during the migratory bird nesting season, between February 1 and September 15, it is recommended that pre-construction nesting bird surveys be performed within three days prior to vegetation removal.
- If active nests are found during nesting bird surveys, they shall be flagged and a suitable buffer shall be fenced around the nests, as determined by a qualified biologist.
- A biological monitor shall visit the site once a week during ground disturbing activities to ensure all fencing is in place and no sensitive species are being impacted.

8.0 Certification

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

Date 03-30-2022 Signed

A handwritten signature in blue ink that reads "Shawn Gatchel-Hernandez". The signature is fluid and cursive, with a long, sweeping line extending from the end of the first name towards the end of the last name.

PROJECT MANAGER

Fieldwork Performed By:

Shawn Gatchel-Hernandez

Principal Regulatory Specialist

9.0 References

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FIGURES



Figure 1

Location Map
APNs 379-230-001 & -002
City of Lake Elsinore
Riverside County, California

Legend

Project Site Boundary (10 Acres)



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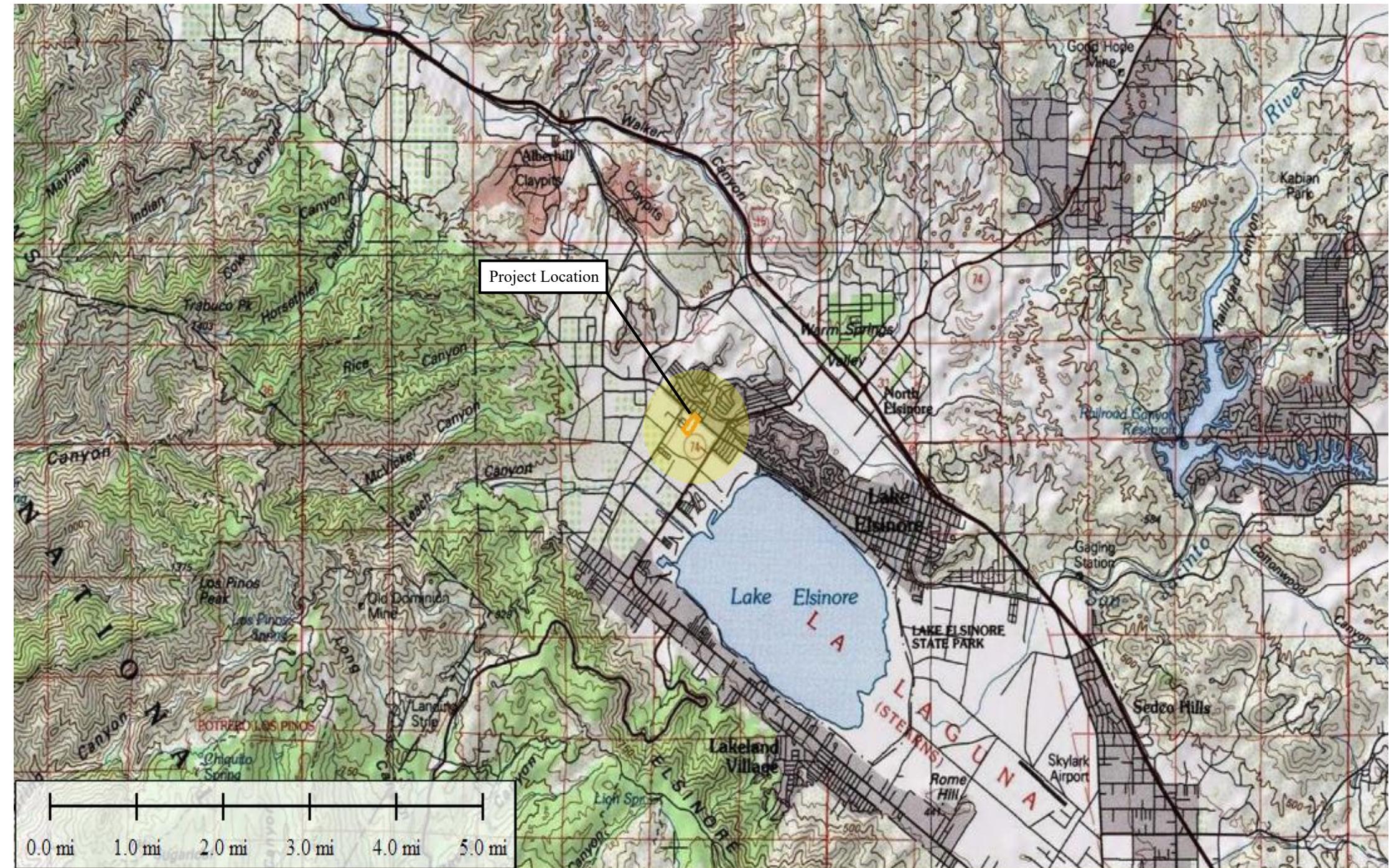


Figure 2

Vicinity Map
APNs 379-230-001 & -002
City of Lake Elsinore
Riverside County, California

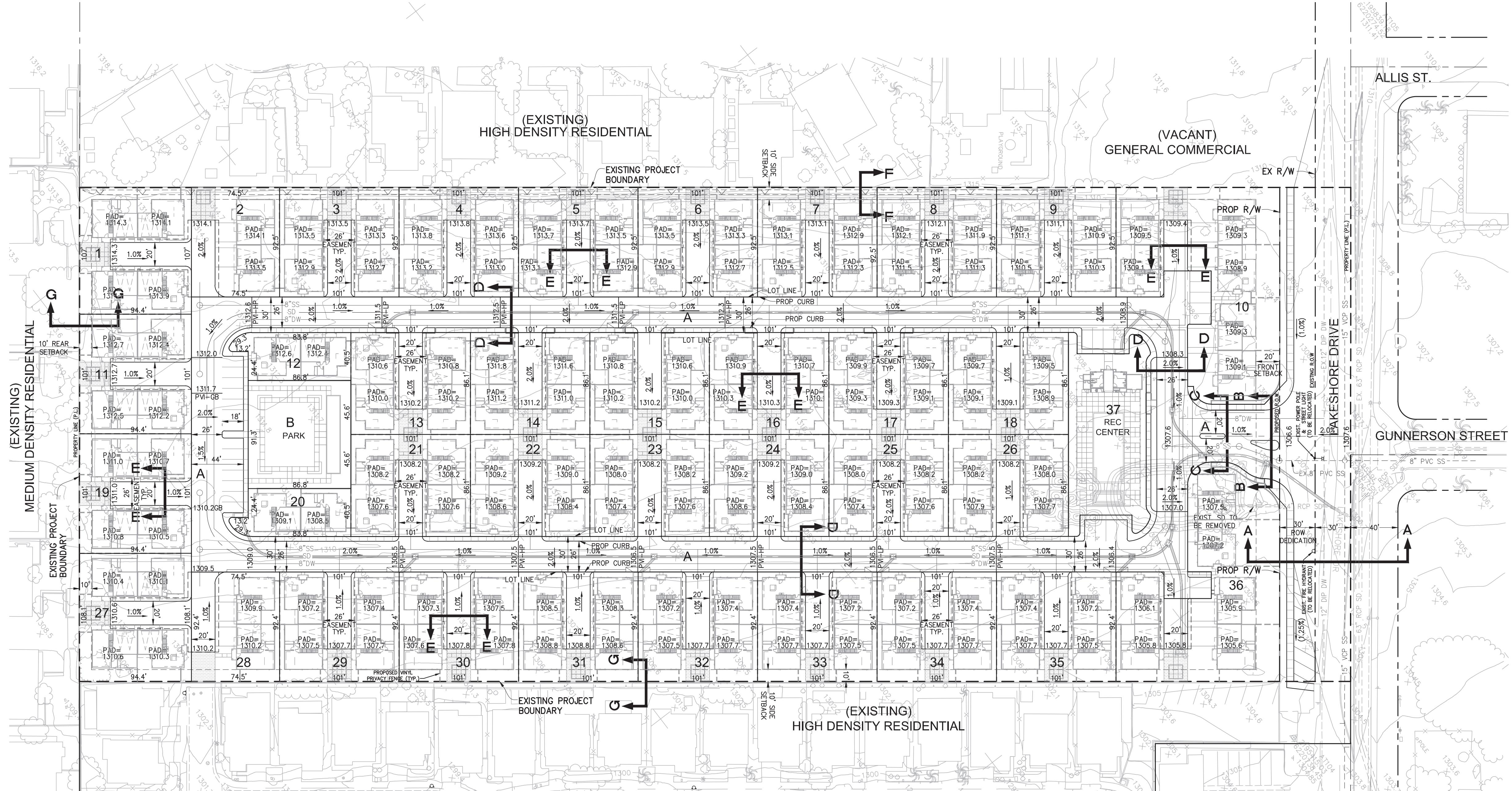
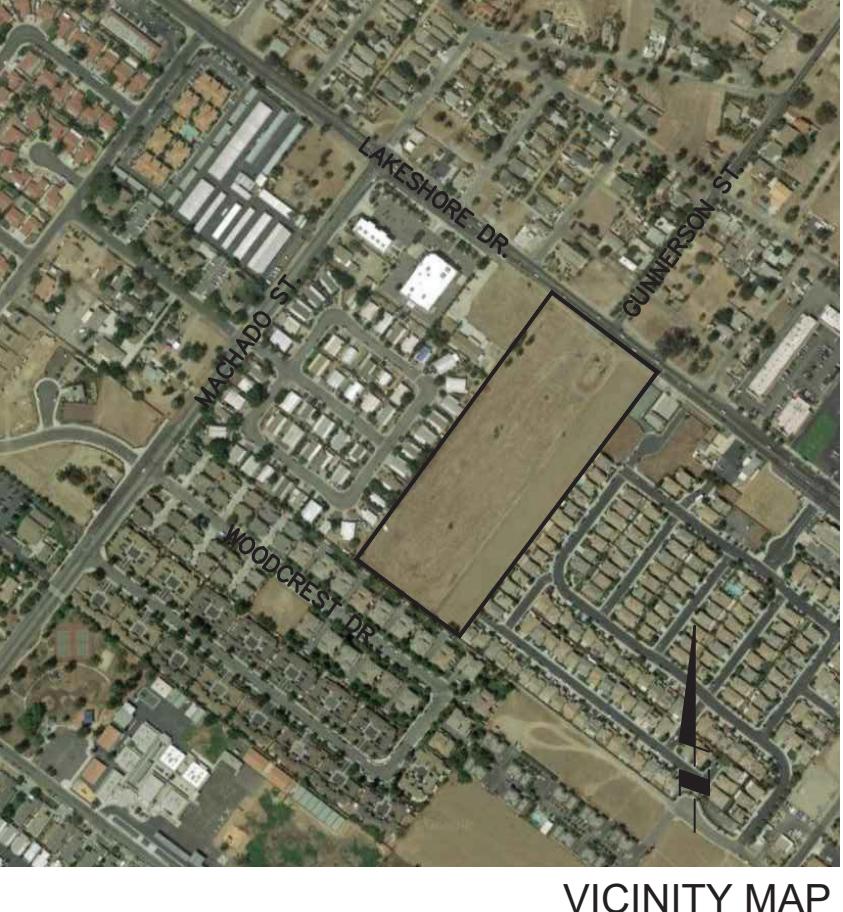
Legend

Project Site Boundary (10 Acres)



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Services

PROJECT LOCATION



LOT DATA

LOT	NO. OF UNITS	PROPOSED LAND USE	LOT AREA (SQUARE FEET)	LOT AREA (ACRES)	MAINTENANCE
1	4	RESIDENTIAL	10,115	0.23	PRIVATE
2	2	RESIDENTIAL	6,891	0.16	PRIVATE
3	4	RESIDENTIAL	9,343	0.21	PRIVATE
4	4	RESIDENTIAL	9,343	0.21	PRIVATE
5	4	RESIDENTIAL	9,343	0.21	PRIVATE
6	4	RESIDENTIAL	9,343	0.21	PRIVATE
7	4	RESIDENTIAL	9,343	0.21	PRIVATE
8	4	RESIDENTIAL	9,343	0.21	PRIVATE
9	4	RESIDENTIAL	9,343	0.21	PRIVATE
10	6	RESIDENTIAL	18,305	0.42	PRIVATE
11	4	RESIDENTIAL	9,553	0.22	PRIVATE
12	2	RESIDENTIAL	3,708	0.09	PRIVATE
13	4	RESIDENTIAL	8,699	0.20	PRIVATE
14	4	RESIDENTIAL	8,699	0.20	PRIVATE
15	4	RESIDENTIAL	8,699	0.20	PRIVATE
16	4	RESIDENTIAL	8,699	0.20	PRIVATE
17	4	RESIDENTIAL	8,699	0.20	PRIVATE
18	4	RESIDENTIAL	8,742	0.20	PRIVATE
19	4	RESIDENTIAL	9,558	0.22	PRIVATE
20	2	RESIDENTIAL	3,708	0.09	PRIVATE
21	4	RESIDENTIAL	8,699	0.20	PRIVATE
22	4	RESIDENTIAL	8,699	0.20	PRIVATE
23	4	RESIDENTIAL	8,699	0.20	PRIVATE
24	4	RESIDENTIAL	8,699	0.20	PRIVATE
25	4	RESIDENTIAL	8,699	0.20	PRIVATE
26	4	RESIDENTIAL	8,742	0.20	PRIVATE
27	4	RESIDENTIAL	10,240	0.24	PRIVATE
28	2	RESIDENTIAL	6,884	0.16	PRIVATE
29	4	RESIDENTIAL	9,333	0.21	PRIVATE
30	4	RESIDENTIAL	9,334	0.21	PRIVATE
31	4	RESIDENTIAL	9,334	0.21	PRIVATE
32	4	RESIDENTIAL	9,335	0.21	PRIVATE
33	4	RESIDENTIAL	9,336	0.21	PRIVATE
34	4	RESIDENTIAL	9,336	0.21	PRIVATE
35	4	RESIDENTIAL	9,337	0.21	PRIVATE
36	6	RESIDENTIAL	18,577	0.43	PRIVATE
37	1	RECREATION CENTER	9,679	0.22	PRIVATE
A	N/A	PRIVATE STREET	72,852	1.67	PRIVATE
B	N/A	PARK	7,922	0.18	PRIVATE

GROSS AREA TOTAL 423,203 S.F.
NET AREA (EXCLUDING STREETS & PARK) 342,429 S.F.
MINIMUM LOT SIZE 3,708 S.F.
MAXIMUM LOT SIZE 18,577 S.F.
AVERAGE LOT SIZE 9,255 S.F.

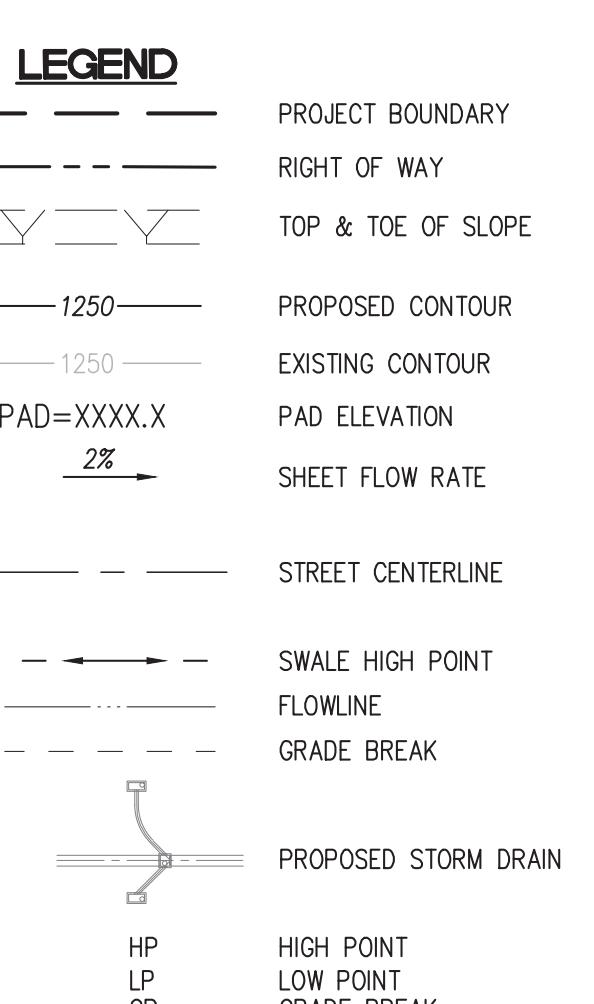
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379-230-001 and 379-230-002

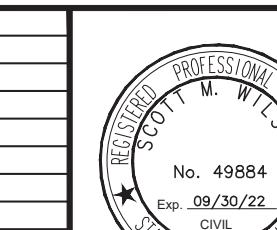
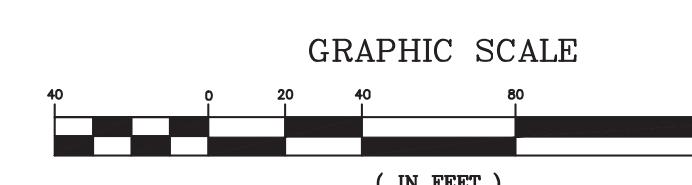
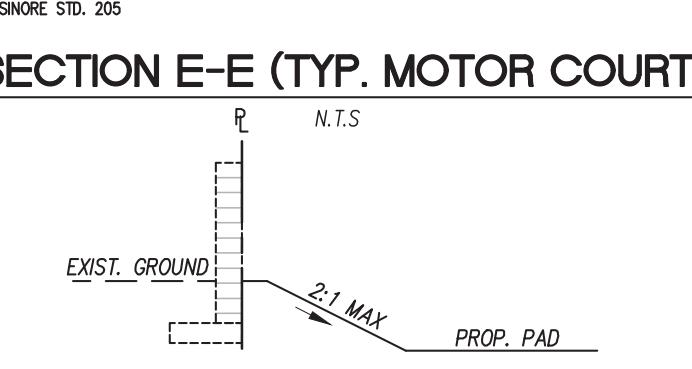
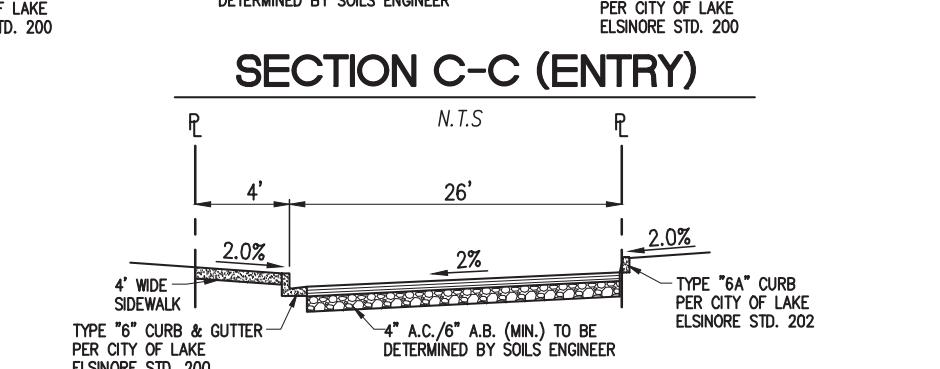
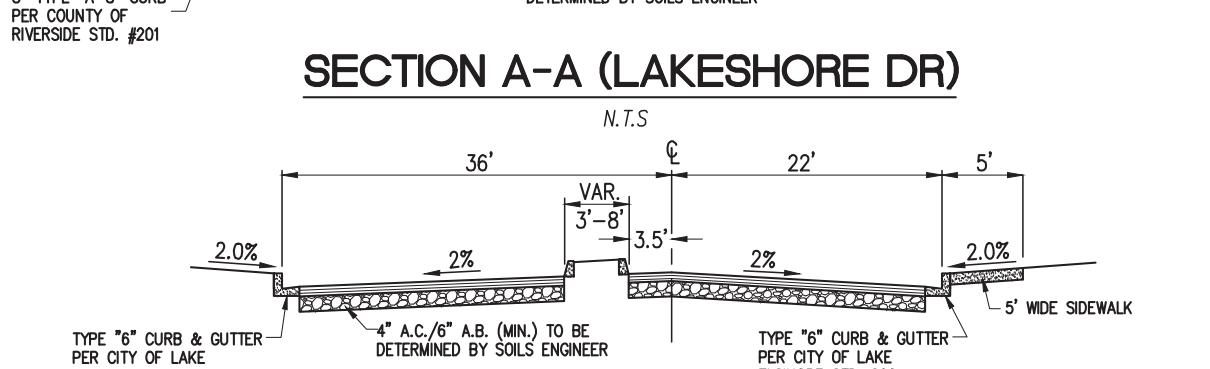
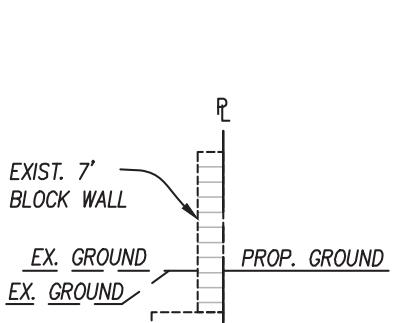
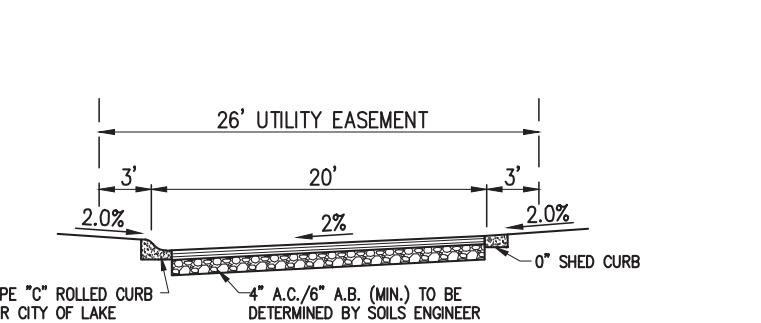
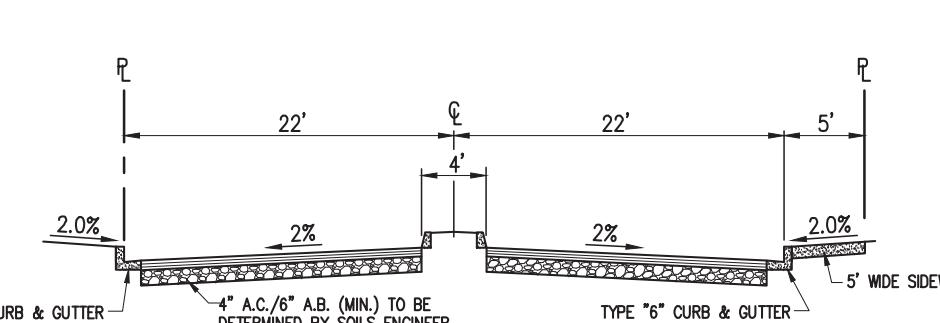
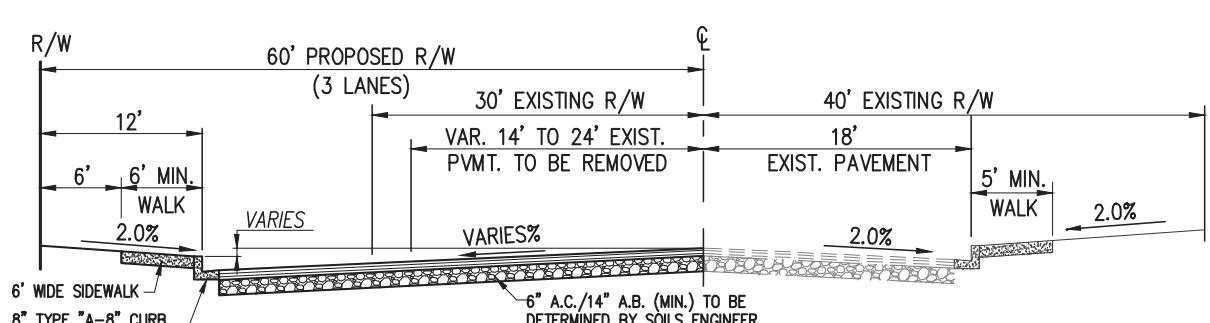
ELECTRIC SOUTHERN CALIFORNIA EDISON
WATER & SEWER ELSINORE VALLEY MUNICIPAL
32815 FREESIA WAY
31315 CHANEY STREET
TEMECULA, CA 92592
LAKE ELSINORE, CA 92530

GAS SOUTHERN CALIFORNIA
RIVERSIDE COUNTY FLOOD
GAS COMPANY
CONTROL AND WATER
25620 JEFFERSON AVE.
CONSERVATION DISTRICT
MURRIETA, CA 92562
1995 MARKET ST.
RIVERSIDE, CA 92501

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PERRIS, CA 92570



VESTING TENTATIVE TRACT NO. 37280
10 ACRE PROPERTY - LAKESHORE DRIVE
FOR CONDOMINIUM PURPOSES



PREPARED BY:
**WILSON MIKAMI
CORPORATION**
No. 49884
9 CORPORATE PARK, SUITE 100, IRVINE, CA 92606
T: 949-679-0090 | F: 949-679-0091
9-30-22
CIVIL ENGINEER: SCOTT M. WILSON
LICENSURE NO. 49884
EXPIRATION DATE

OWNER:
LAKE ELSINORE LAKESHORE, LLC
1020 Second St., Suite C
Encinitas, CA 92024
949.632.3122

SUBDIVIDER:
LAKE ELSINORE LAKESHORE, LLC
1020 Second St., Suite C
Encinitas, CA 92024



Figure 4

Habitat Map
APNs 379-230-001 & -002
City of Lake Elsinore
Riverside County, California



Project Site Boundary (10 Acres)



Ruderel Habitat (9.78 Acres)



Disturbed Non-vegetated Habitat (0.22 Acre)



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APPENDIX A

Observed Species List

Plant List

Scientific Name	Common Name
<i>Amsinckia menziesii</i>	Menzies fiddleneck
<i>Avena barbata</i>	Slender wild oat
<i>Baccharis salicifolia</i>	Mulefat
<i>Chamaerops humilis</i>	European fan palm
<i>Corymbia citriodora</i>	Lemon-scented gum
<i>Erodium cicutarium</i>	Redstem stork's bill
<i>Hordeum murinum</i>	Wall barley
<i>Malva parviflora</i>	Cheeseweed
<i>Myrtus communis</i>	Common myrtle
<i>Nerium oleander</i>	Oleander
<i>Raphanus sativus</i>	Wild radish
<i>Salix babylonica</i>	Weeping willow
<i>Tamarix ramosissima</i>	Tamarisk

Wildlife List

Scientific Name	Common Name
<i>Corvus brachyrhynchos</i>	American crow
<i>Corvus corax</i>	Raven
<i>Haemorhous mexicanus</i>	House finch
<i>Passerculus sandwichensis</i>	Savannah sparrow
<i>Psaltriparus minimus</i>	Bushtit
<i>Setophagga coronata</i>	Yellow-rumped warbler
<i>Spermophilus beecheyi</i>	California ground squirrel
<i>Sturnella neglecta</i>	Western meadowlark
<i>Zenaida macroura</i>	Mourning Dove
<i>Zonotrichia leucophrys</i>	White-crowned sparrow

APPENDIX B

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Abronia villosa</i> var. aurita	chaparral sand-verbena	Dicots	None	None	1B.1	Chaparral Coastal scrub Desert dunes	Chaparral, coastal scrub, desert dunes.	Sandy areas. - 60-1570 m.	No habitat for this species is present on the project site. This species is not present.
<i>Allium marvinii</i>	Yucaipa onion	Monocots	None	None	1B.2	Chaparral	Chaparral.	In openings on clay soils. 850-1070 m.	No habitat for this species is present on the project site. This species is not present.
<i>Allium munzii</i>	Munz's onion	Monocots	Endangered	Threatened	1B.1	Chaparral Cismontane woodland Coastal scrub Pinon & juniper woodlands Valley & foothill grassland	Chaparral, coastal scrub, cismontane woodland, pinyon and juniper woodland, valley and foothill grassland.	Heavy clay soils; grows in grasslands and openings within shrublands or woodlands. 375-1040 m.	No habitat for this species is present on the project site. This species is not present.
<i>Almutaster pauciflorus</i>	alkali marsh aster	Dicots	None	None	2B.2	Meadow & seep	Meadow and seeps.	Alkaline. 60-765 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Ambrosia pumila</i>	San Diego ambrosia	Dicots	Endangered	None	1B.1	Chaparral Coastal scrub Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	Sandy loam or clay soil; sometimes alkaline. In valleys; persists where disturbance has been superficial. Sometimes on margins or near vernal pools. 3-580 m.	No habitat for this species is present on the project site. This species is not present.
<i>Arctostaphylos rainbowensis</i>	Rainbow manzanita	Dicots	None	None	1B.1	Chaparral Ultramafic	Chaparral.	Usually found in gabbro chaparral. 100-870 m.	No habitat for this species is present on the project site. This species is not present.
<i>Atriplex coronata</i> var. <i>notarioides</i>	San Jacinto Valley crownscale	Dicots	Endangered	None	1B.1	Alkali playa Valley & foothill grassland Vernal pool Wetland	Playas, valley and foothill grassland, vernal pools.	Alkaline areas in the San Jacinto River Valley. 35-460 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Atriplex parishii</i>	Parish's brittlescale	Dicots	None	None	1B.1	Alkali playa Chenopod scrub Meadow & seep Vernal pool Wetland	Vernal pools, chenopod scrub, playas.	Usually on drying alkali flats with fine soils. 4-1420 m.	No habitat for this species is present on the project site. This species is not present.
<i>Atriplex serenana</i> var. <i>davidsonii</i>	Davidson's saltscale	Dicots	None	None	1B.2	Coastal bluff scrub Coastal scrub	Coastal bluff scrub, coastal scrub.	Alkaline soil. 0-480 m.	No habitat for this species is present on the project site. This species is not present.
<i>Ayenia compacta</i>	California ayenia	Dicots	None	None	2B.3	Desert wash Mojavean desert scrub Sonoran desert scrub	Mojavean desert scrub, Sonoran desert scrub.	Sandy and gravelly washes in the desert; dry desert canyons. 60-1830 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Brodiaea filifolia</i>	thread-leaved brodiaea	Monocots	Threatened	Endangered	1B.1	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland Vernal pool Wetland	Chaparral (openings), cismontane woodland, coastal scrub, playas, valley and foothill grassland, vernal pools.	Usually associated with annual grassland and vernal pools; often surrounded by shrubland habitats. Occurs in openings on clay soils. 15-1030 m.	No habitat for this species is present on the project site. This species is not present.
<i>Brodiaea santarosae</i>	Santa Rosa Basalt brodiaea	Monocots	None	None	1B.2	Valley & foothill grassland	Valley and foothill grassland.	Santa Rosa Basalt. 585-1045 m.	No habitat for this species is present on the project site. This species is not present.
<i>Calochortus weedii</i> var. <i>intermedius</i>	intermediate mariposa-lily	Monocots	None	None	1B.2	Chaparral Coastal scrub Valley & foothill grassland	Coastal scrub, chaparral, valley and foothill grassland.	Dry, rocky calcareous slopes and rock outcrops. 60-1575 m.	No habitat for this species is present on the project site. This species is not present.
Canyon Live Oak Ravine Forest	Canyon Live Oak Ravine Forest	Riparian	None	None		Riparian forest			Not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Caulanthus simulans</i>	Payson's jewelflower	Dicots	None	None	4.2	Chaparral Coastal scrub	Chaparral, coastal scrub.	Frequently in burned areas, or in disturbed sites such as streambeds; also on rocky, steep slopes. Sandy, granitic soils. 90-2200 m.	No habitat for this species is present on the project site. This species is not present.
<i>Centromadia pungens</i> ssp. <i>laevis</i>	smooth tarplant	Dicots	None	None	1B.1	Alkali playa Chenopod scrub Meadow & seep Riparian woodland Valley & foothill grassland Wetland	Valley and foothill grassland, chenopod scrub, meadows and seeps, playas, riparian woodland.	Alkali meadow, alkali scrub; also in disturbed places. 5-1170 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Chorizanthe parryi</i> var. <i>parryi</i>	Parry's spineflower	Dicots	None	None	1B.1	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland	Coastal scrub, chaparral, cismontane woodland, valley and foothill grassland.	Dry slopes and flats; sometimes at interface of 2 vegetation types, such as chaparral and oak woodland. Dry, sandy soils. 90-1220 m.	No habitat for this species is present on the project site. This species is not present.
<i>Chorizanthe polygonoides</i> var. <i>longispina</i>	long-spined spineflower	Dicots	None	None	1B.2	Chaparral Coastal scrub Meadow & seep Ultramafic Valley & foothill grassland Vernal pool	Chaparral, coastal scrub, meadows and seeps, valley and foothill grassland, vernal pools.	Gabbroic clay. 30-1630 m.	No habitat for this species is present on the project site. This species is not present.
<i>Clinopodium chandleri</i>	San Miguel savory	Dicots	None	None	1B.2	Chaparral Cismontane woodland Coastal scrub Riparian woodland Ultramafic Valley & foothill grassland	Chaparral, cismontane woodland, coastal scrub, riparian woodland, valley and foothill grassland.	Rocky, gabbroic or metavolcanic substrate. 120-975 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Comarostaphylis diversifolia</i> ssp. <i>diversifolia</i>	summer holly	Dicots	None	None	1B.2	Chaparral Cismontane woodland	Chaparral, cismontane woodland.	Often in mixed chaparral in California, sometimes post-burn. 30-855 m.	No habitat for this species is present on the project site. This species is not present.
<i>Dodecahema leptoceras</i>	slender-horned spineflower	Dicots	Endangered	Endangered	1B.1	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub).	Flood deposited terraces and washes; associates include <i>Encelia</i> , <i>Dalea</i> , <i>Lepidospartum</i> , etc. Sandy soils. 200-765 m.	No habitat for this species is present on the project site. This species is not present.
<i>Dudleya multicaulis</i>	many-stemmed dudleya	Dicots	None	None	1B.2	Chaparral Coastal scrub Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	In heavy, often clayey soils or grassy slopes. 1-910 m.	No habitat for this species is present on the project site. This species is not present.
<i>Dudleya viscida</i>	sticky dudleya	Dicots	None	None	1B.2	Chaparral Cismontane woodland Coastal bluff scrub Coastal scrub	Coastal scrub, coastal bluff scrub, chaparral, cismontane woodland.	On north and south-facing cliffs and banks. 20-870 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Eryngium aristulatum</i> var. <i>parishii</i>	San Diego button-celery	Dicots	Endangered	Endangered	1B.1	Coastal scrub Valley & foothill grassland Vernal pool Wetland	Vernal pools, coastal scrub, valley and foothill grassland.	San Diego mesa hardpan and claypan vernal pools and southern interior basalt flow vernal pools; usually surrounded by scrub. 15-880 m.	No habitat for this species is present on the project site. This species is not present.
<i>Geothallus tuberosus</i>	Campbell's liverwort	Bryophytes	None	None	1B.1	Coastal scrub Vernal pool Wetland	Coastal scrub, vernal pools.	Liverwort known from mesic soil. 60-610 m.	No habitat for this species is present on the project site. This species is not present.
<i>Harpagonella palmeri</i>	Palmer's grapplinghook	Dicots	None	None	4.2	Chaparral Coastal scrub Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	Clay soils; open grassy areas within shrubland. 20-955 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Hesperocyparis forbesii</i>	Tecate cypress	Gymnosperms	None	None	1B.1	Chaparral Closed-cone coniferous forest	Closed-cone coniferous forest, chaparral.	Primarily on north-facing slopes; groves often associated with chaparral. On clay or gabbro. 60-1650 m.	No habitat for this species is present on the project site. This species is not present.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	Dicots	None	None	1B.1	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub.	Sandy or gravelly sites. 15-1645 m.	No habitat for this species is present on the project site. This species is not present.
<i>Juncus luciensis</i>	Santa Lucia dwarf rush	Monocots	None	None	1B.2	Chaparral Great Basin scrub Lower montane coniferous forest Meadow & seep Vernal pool Wetland	Vernal pools, meadows and seeps, lower montane coniferous forest, chaparral, Great Basin scrub.	Vernal pools, ephemeral drainages, wet meadow habitats and streambeds. 280-2035 m.	No habitat for this species is present on the project site. This species is not present.
<i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Coulter's goldfields	Dicots	None	None	1B.1	Alkali playa Marsh & swamp Salt marsh Vernal pool Wetland	Coastal salt marshes, playas, vernal pools.	Usually found on alkaline soils in playas, sinks, and grasslands. 1-1375 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Lepechinia cardiophylla</i>	heart-leaved pitcher sage	Dicots	None	None	1B.2	Chaparral Cismontane woodland Closed-cone coniferous forest	Closed-cone coniferous forest, chaparral, cismontane woodland.	115-1345 m.	No habitat for this species is present on the project site. This species is not present.
<i>Lepidium virginicum</i> var. <i>robinsonii</i>	Robinson's pepper-grass	Dicots	None	None	4.3	Chaparral Coastal scrub	Chaparral, coastal scrub.	Dry soils, shrubland. 4-1435 m.	No habitat for this species is present on the project site. This species is not present.
<i>Lilium parryi</i>	lemon lily	Monocots	None	None	1B.2	Lower montane coniferous forest Meadow & seep Riparian forest Upper montane coniferous forest Wetland	Lower montane coniferous forest, meadows and seeps, riparian forest, upper montane coniferous forest.	Wet, mountainous terrain; generally in forested areas; on shady edges of streams, in open boggy meadows and seeps. 625-2930 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Limnanthes alba</i> ssp. <i>parishii</i>	Parish's meadowfoam	Dicots	None	Endangered	1B.2	Lower montane coniferous forest Meadow & seep Vernal pool Wetland	Lower montane coniferous forest, meadows and seeps, vernal pools.	Vernally moist areas and temporary seeps of highland meadows and plateaus; often bordering lakes and streams. 605-1805 m.	No habitat for this species is present on the project site. This species is not present.
<i>Monardella hypoleuca</i> ssp. <i>intermedia</i>	intermediate monardella	Dicots	None	None	1B.3	Chaparral Cismontane woodland Lower montane coniferous forest	Chaparral, cismontane woodland, lower montane coniferous forest (sometimes).	Often in steep, brushy areas. 195-1675 m.	No habitat for this species is present on the project site. This species is not present.
<i>Monardella macrantha</i> ssp. <i>hallii</i>	Hall's monardella	Dicots	None	None	1B.3	Broadleaved upland forest Chaparral Cismontane woodland Lower montane coniferous forest Valley & foothill grassland	Broadleaved upland forest, chaparral, lower montane coniferous forest, cismontane woodland, valley and foothill grassland.	Dry slopes and ridges in openings. 700-1800 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Myosurus minimus</i> ssp. <i>apus</i>	little mousetail	Dicots	None	None	3.1	Valley & foothill grassland Vernal pool Wetland	Vernal pools, valley and foothill grassland.	Alkaline soils. 20-640 m.	No habitat for this species is present on the project site. This species is not present.
<i>Navarretia fossalis</i>	spreading navarretia	Dicots	Threatened	None	1B.1	Alkali playa Chenopod scrub Marsh & swamp Vernal pool Wetland	Vernal pools, chenopod scrub, marshes and swamps, playas.	San Diego hardpan and San Diego claypan vernal pools; in swales and vernal pools, often surrounded by other habitat types. 15-850 m.	No habitat for this species is present on the project site. This species is not present.
<i>Navarretia prostrata</i>	prostrate vernal pool navarretia	Dicots	None	None	1B.2	Coastal scrub Meadow & seep Valley & foothill grassland Vernal pool Wetland	Coastal scrub, valley and foothill grassland, vernal pools, meadows and seeps.	Alkaline soils in grassland, or in vernal pools. Mesic, alkaline sites. 3-1235 m.	No habitat for this species is present on the project site. This species is not present.
<i>Nolina cismontana</i>	chaparral nolina	Monocots	None	None	1B.2	Chaparral Coastal scrub Ultramafic	Chaparral, coastal scrub.	Primarily on sandstone and shale substrates; also known from gabbro. 140-1100 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Orcuttia californica</i>	California Orcutt grass	Monocots	Endangered	Endangered	1B.1	Vernal pool Wetland	Vernal pools.	10-660 m.	No habitat for this species is present on the project site. This species is not present.
<i>Pseudognaphalium leucocephalum</i>	white rabbit-tobacco	Dicots	None	None	2B.2	Chaparral Cismontane woodland Coastal scrub Riparian woodland	Riparian woodland, cismontane woodland, coastal scrub, chaparral.	Sandy, gravelly sites. 35-515 m.	No habitat for this species is present on the project site. This species is not present.
<i>Scutellaria bolanderi</i> ssp. <i>austromontana</i>	southern mountains skullcap	Dicots	None	None	1B.2	Chaparral Cismontane woodland Lower montane coniferous forest	Chaparral, cismontane woodland, lower montane coniferous forest.	In gravelly soils on streambanks or in mesic sites in oak or pine woodland. 425-2000 m.	No habitat for this species is present on the project site. This species is not present.
<i>Sibaropsis hammittii</i>	Hammitt's clay-cress	Dicots	None	None	1B.2	Chaparral Valley & foothill grassland	Valley and foothill grassland, chaparral.	Mesic microsites in open areas on clay soils in <i>Stipa</i> grassland. Often surrounded by <i>Adenostoma</i> chaparral. 715-1040 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Southern Coast Live Oak Riparian Forest	Southern Coast Live Oak Riparian Forest	Riparian	None	None		Riparian forest			Not present.
Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	Riparian	None	None		Riparian forest			Not present.
Southern Interior Basalt Flow Vernal Pool	Southern Interior Basalt Flow Vernal Pool	Herbaceous	None	None		Vernal pool Wetland			Not present.
Southern Riparian Forest	Southern Riparian Forest	Riparian	None	None		Riparian forest			Not present.
Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	Riparian	None	None		Riparian woodland			Not present.
Southern Willow Scrub	Southern Willow Scrub	Riparian	None	None		Riparian scrub			Not present.
Sphaerocarpos drewiae	bottle liverwort	Bryophytes	None	None	1B.1	Chaparral Coastal scrub	Chaparral, coastal scrub.	Liverwort in openings; on soil. 60-585 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Symphyotrichum defoliatum</i>	San Bernardino aster	Dicots	None	None	1B.2	Cismontane woodland Coastal scrub Lower montane coniferous forest Marsh & swamp Meadow & seep Valley & foothill grassland	Meadows and seeps, cismontane woodland, coastal scrub, lower montane coniferous forest, marshes and swamps, valley and foothill grassland.	Vernally mesic grassland or near ditches, streams and springs; disturbed areas. 3-2045 m.	No habitat for this species is present on the project site. This species is not present.
<i>Tetracoccus dioicus</i>	Parry's tetracoccus	Dicots	None	None	1B.2	Chaparral Coastal scrub Ultramafic	Chaparral, coastal scrub.	Stony, decomposed gabbro soil. 135-705 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Texosporium sancti-jacobi</i>	woven-spored lichen	Lichens	None	None	3	Chaparral	Chaparral.	Open sites; in California with <i>Adenostoma fasciculatum</i> , <i>Eriogonum</i> , <i>Selaginella</i> . Found on soil, small mammal pellets, dead twigs, and on <i>Selaginella</i> . 60-870 m.	No habitat for this species is present on the project site. This species is not present.
<i>Tortula californica</i>	California screw moss	Bryophytes	None	None	1B.2	Chenopod scrub Valley & foothill grassland	Chenopod scrub, valley and foothill grassland.	Moss growing on sandy soil. 45-750 m.	No habitat for this species is present on the project site. This species is not present.
<i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Wright's trichocoronis	Dicots	None	None	2B.1	Marsh & swamp Meadow & seep Riparian forest Vernal pool Wetland	Marshes and swamps, riparian forest, meadows and seeps, vernal pools.	Mud flats of vernal lakes, drying river beds, alkali meadows. 5-435 m.	No habitat for this species is present on the project site. This species is not present.
Valley Needlegrass Grassland	Valley Needlegrass Grassland	Herbaceous	None	None		Valley & foothill grassland			Not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Viguiera purisimae</i>	La Purisima viguiera	Dicots	None	None	2B.3	Chaparral Coastal bluff scrub	Coastal bluff scrub, chaparral.	Dry, rocky places in open shrubland. 365-425 m.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Accipiter cooperii</i>	Cooper's hawk	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern	Cismontane woodland Riparian forest Riparian woodland Upper montane coniferous forest	Woodland, chiefly of open, interrupted or marginal type.	Nest sites mainly in riparian growths of deciduous trees, as in canyon bottoms on river flood-plains; also, live oaks.	No habitat for this species is present on the project site. This species is not present.
<i>Agelaius tricolor</i>	tricolored blackbird	Birds	None	Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	Freshwater marsh Marsh & swamp Swamp Wetland	Highly colonial species, most numerous in Central Valley and vicinity. Largely endemic to California.	Requires open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony.	No habitat for this species is present on the project site. This species is not present.
<i>Aimophila ruficeps canescens</i>	southern California rufous-crowned sparrow	Birds	None	None	CDFW_WL-Watch List	Chaparral Coastal scrub	Resident in Southern California coastal sage scrub and sparse mixed chaparral.	Frequents relatively steep, often rocky hillsides with grass and forb patches.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Anaxyrus californicus	arroyo toad	Amphibians	Endangered	None	CDFW_SSC-Species of Special Concern IUCN_EN-Endangered	Desert wash Riparian scrub Riparian woodland South coast flowing waters South coast standing waters	Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc.	Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range.	No habitat for this species is present on the project site. This species is not present.
Anniella stebbinsi	Southern California legless lizard	Reptiles	None	None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	Broadleaved upland forest Chaparral Coastal dunes Coastal scrub	Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County.	Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Aquila chrysaetos	golden eagle	Birds	None	None	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected CDFW_WL-Watch List IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest Cismontane woodland Coastal prairie Great Basin grassland Great Basin scrub Lower montane coniferous forest Pinon & juniper woodlands Upper montane coniferous forest Valley & foothill grassland	Rolling foothills, mountain areas, sage-juniper flats, and desert.	Cliff-walled canyons provide nesting habitat in most parts of range; also, large trees in open areas.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Arizona elegans occidentalis</i>	California glossy snake	Reptiles	None	None	CDFW_SSC-Species of Special Concern		Patchily distributed from the eastern portion of San Francisco Bay, southern San Joaquin Valley, and the Coast, Transverse, and Peninsular ranges, south to Baja California.	Generalist reported from a range of scrub and grassland habitats, often with loose or sandy soils.	No habitat for this species is present on the project site. This species is not present.
<i>Artemisiospiza belli belli</i>	Bell's sage sparrow	Birds	None	None	CDFW_WL-Watch List USFWS_BCC-Birds of Conservation Concern	Chaparral Coastal scrub	Nests in chaparral dominated by fairly dense stands of chamise. Found in coastal sage scrub in south of range.	Nest located on the ground beneath a shrub or in a shrub 6-18 inches above ground. Territories about 50 yds apart.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Asio otus	long-eared owl	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Cismontane woodland Great Basin scrub Riparian forest Riparian woodland Upper montane coniferous forest	Riparian bottomlands grown to tall willows and cottonwoods; also, belts of live oak paralleling stream courses.	Require adjacent open land, productive of mice and the presence of old nests of crows, hawks, or magpies for breeding.	No habitat for this species is present on the project site. This species is not present.
Aspidoscelis hyperythra	orange-throated whiptail	Reptiles	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern USFS_S-Sensitive	Chaparral Cismontane woodland Coastal scrub	Inhabits low-elevation coastal scrub, chaparral, and valley-foothill hardwood habitats.	Prefers washes and other sandy areas with patches of brush and rocks. Perennial plants necessary for its major food: termites.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Aspidoscelis tigris stejnegeri</i>	coastal whiptail	Reptiles	None	None	CDFW_SSC-Species of Special Concern	Found in deserts and semi-arid areas with sparse vegetation and open areas. Also found in woodland and riparian areas.	Ground may be firm soil, sandy, or rocky.		No habitat for this species is present on the project site. This species is not present.
<i>Athene cunicularia</i>	burrowing owl	Birds	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Coastal prairie Coastal scrub Great Basin grassland Great Basin scrub Mojavean desert scrub Sonoran desert scrub Valley & foothill grassland	Open, dry annual or perennial grasslands, deserts, and scrublands characterized by low-growing vegetation.	Subterranean nester, dependent upon burrowing mammals, most notably, the California ground squirrel.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Bombus crotchii</i>	Crotch bumble bee	Insects	None	None			Coastal California east to the Sierra-Cascade crest and south into Mexico.	Food plant genera include <i>Antirrhinum</i> , <i>Phacelia</i> , <i>Clarkia</i> , <i>Dendromecon</i> , <i>Eschscholzia</i> , and <i>Eriogonum</i> .	No habitat for this species is present on the project site. This species is not present.
<i>Branchinecta lynchi</i>	vernal pool fairy shrimp	Crustaceans	Threatened	None	IUCN_VU-Vulnerable	Valley & foothill grassland Vernal pool Wetland	Endemic to the grasslands of the Central Valley, Central Coast mountains, and South Coast mountains, in astatic rain-filled pools.	Inhabit small, clear-water sandstone-depression pools and grassed swale, earth slump, or basalt-flow depression pools.	No habitat for this species is present on the project site. This species is not present.
<i>Branchinecta sandiegonensis</i>	San Diego fairy shrimp	Crustaceans	Endangered	None	IUCN_EN-Endangered	Chaparral Coastal scrub Vernal pool Wetland	Endemic to San Diego and Orange County mesas.	Vernal pools.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Buteo regalis	ferruginous hawk	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Great Basin grassland Great Basin scrub Pinon & juniper woodlands Valley & foothill grassland	Open grasslands, sagebrush flats, desert scrub, low foothills and fringes of pinyon and juniper habitats.	Eats mostly lagomorphs, ground squirrels, and mice. Population trends may follow lagomorph population cycles.	No habitat for this species is present on the project site. This species is not present.
Buteo swainsoni	Swainson's hawk	Birds	None	Threatened	BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Great Basin grassland Riparian forest Riparian woodland Valley & foothill grassland	Breeds in grasslands with scattered trees, juniper-sage flats, riparian areas, savannahs, and agricultural or ranch lands with groves or lines of trees.	Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	No habitat for this species is present on the project site. This species is not present.
Chaetodipus californicus femoralis	Dulzura pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Chaparral Coastal scrub Valley & foothill grassland	Variety of habitats including coastal scrub, chaparral and grassland in San Diego County.	Attracted to grass-chaparral edges.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Chaetodipus fallax fallax	northwestern San Diego pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Chaparral Coastal scrub	Coastal scrub, chaparral, grasslands, sagebrush, etc. in western San Diego County.	Sandy, herbaceous areas, usually in association with rocks or coarse gravel.	No habitat for this species is present on the project site. This species is not present.
Charadrius nivosus nivosus	western snowy plover	Birds	Threatened	None	CDFW_SSC-Species of Special Concern NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	Great Basin standing waters Sand shore Wetland	Sandy beaches, salt pond levees and shores of large alkali lakes.	Needs sandy, gravelly or friable soils for nesting.	No habitat for this species is present on the project site. This species is not present.
Cicindela senilis frosti	senile tiger beetle	Insects	None	None		Mud shore/flats Wetland	Inhabits marine shoreline, from Central California coast south to salt marshes of San Diego. Also found at Lake Elsinore.	Inhabits dark-colored mud in the lower zone and dried salt pans in the upper zone.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Coturnicops noveboracensis</i>	yellow rail	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern NABCI_RWL-Red Watch List USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	Freshwater marsh Meadow & seep	Summer resident in eastern Sierra Nevada in Mono County.	Freshwater marshlands.	No habitat for this species is present on the project site. This species is not present.
<i>Crotalus ruber</i>	red-diamond rattlesnake	Reptiles	None	None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	Chaparral Mojavean desert scrub Sonoran desert scrub	Chaparral, woodland, grassland, and desert areas from coastal San Diego County to the eastern slopes of the mountains.	Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Diadophis punctatus modestus	San Bernardino ringneck snake	Reptiles	None	None	USFS_S-Sensitive		Most common in open, relatively rocky areas. Often in somewhat moist microhabitats near intermittent streams.	Avoids moving through open or barren areas by restricting movements to areas of surface litter or herbaceous veg.	No habitat for this species is present on the project site. This species is not present.
Dipodomys merriami parvus	San Bernardino kangaroo rat	Mammals	Endangered	Candidate Endangered	CDFW_SSC-Species of Special Concern	Coastal scrub	Alluvial scrub vegetation on sandy loam substrates characteristic of alluvial fans and flood plains.	Needs early to intermediate seral stages.	No habitat for this species is present on the project site. This species is not present.
Dipodomys stephensi	Stephens' kangaroo rat	Mammals	Endangered	Threatened	IUCN_EN-Endangered	Coastal scrub Valley & foothill grassland	Primarily annual and perennial grasslands, but also occurs in coastal scrub and sagebrush with sparse canopy cover.	Prefers buckwheat, chamise, brome grass and filaree. Will burrow into firm soil.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Elanus leucurus	white-tailed kite	Birds	None	None	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern	Cismontane woodland Marsh & swamp Riparian woodland Valley & foothill grassland Wetland	Rolling foothills and valley margins with scattered oaks and river bottomlands or marshes next to isolated, dense-topped trees for nesting and perching.	Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Emys marmorata	western pond turtle	Reptiles	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	Aquatic Artificial flowing waters Klamath/North coast flowing waters Klamath/North coast standing waters Marsh & swamp Sacramento/San Joaquin flowing waters Sacramento/San Joaquin standing waters South coast flowing waters South coast standing waters Wetland	A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation, below 6000 ft elevation.	Needs basking sites and suitable (sandy banks or grassy open fields) upland habitat up to 0.5 km from water for egg-laying.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Eremophila alpestris actia</i>	California horned lark	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern	Marine intertidal & splash zone communities Meadow & seep	Coastal regions, chiefly from Sonoma County to San Diego County. Also main part of San Joaquin Valley and east to foothills.	Short-grass prairie, "bald" hills, mountain meadows, open coastal plains, fallow grain fields, alkali flats.	No habitat for this species is present on the project site. This species is not present.
<i>Eumops perotis californicus</i>	western mastiff bat	Mammals	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern WBWG_H-High Priority	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland	Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc.	Roosts in crevices in cliff faces, high buildings, trees and tunnels.	No habitat for this species is present on the project site. This species is not present.
<i>Euphydryas editha quino</i>	quino checkerspot butterfly	Insects	Endangered	None		Chaparral Coastal scrub	Sunny openings within chaparral and coastal sage shrublands in parts of Riverside and San Diego counties.	Hills and mesas near the coast. Need high densities of food plants <i>Plantago erecta</i> , <i>P. insularis</i> , and <i>Orthocarpus purpureascens</i> .	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Gila orcuttii</i>	arroyo chub	Fish	None	None	AFS_VU-Vulnerable CDFW_SSC-Species of Special Concern USFS_S-Sensitive	Aquatic South coast flowing waters	Native to streams from Malibu Creek to San Luis Rey River basin. Introduced into streams in Santa Clara, Ventura, Santa Ynez, Mojave and San Diego river basins.	Slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	No habitat for this species is present on the project site. This species is not present.
<i>Haliaeetus leucocephalus</i>	bald eagle	Birds	Delisted	Endangered	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	Lower montane coniferous forest Oldgrowth	Ocean shore, lake margins, and rivers for both nesting and wintering. Most nests within 1 mile of water.	Nests in large, old-growth, or dominant live tree with open branches, especially ponderosa pine. Roosts communally in winter.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Icteria virens</i>	yellow-breasted chat	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Riparian forest Riparian scrub Riparian woodland	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses.	Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground.	No habitat for this species is present on the project site. This species is not present.
<i>Lanius ludovicianus</i>	loggerhead shrike	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	Broadleaved upland forest Desert wash Joshua tree woodland Mojavean desert scrub Pinon & juniper woodlands Riparian woodland Sonoran desert scrub	Broken woodlands, savannah, pinyon-juniper, Joshua tree, and riparian woodlands, desert oases, scrub and washes.	Prefers open country for hunting, with perches for scanning, and fairly dense shrubs and brush for nesting.	No habitat for this species is present on the project site. This species is not present.
<i>Lasiurus xanthinus</i>	western yellow bat	Mammals	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	Desert wash	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats.	Roosts in trees, particularly palms. Forages over water and among trees.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Lepus californicus bennettii</i>	San Diego black-tailed jackrabbit	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Intermediate canopy stages of shrub habitats and open shrub / herbaceous and tree / herbaceous edges.	Coastal sage scrub habitats in Southern California.	No habitat for this species is present on the project site. This species is not present.
<i>Linderiella occidentalis</i>	California linderiella	Crustaceans	None	None	IUCN_NT-Near Threatened	Vernal pool	Seasonal pools in unplowed grasslands with old alluvial soils underlain by hardpan or in sandstone depressions.	Water in the pools has very low alkalinity, conductivity, and total dissolved solids.	No habitat for this species is present on the project site. This species is not present.
<i>Linderiella santarosae</i>	Santa Rosa Plateau fairy shrimp	Crustaceans	None	None		Vernal pool	Found only in the vernal pools on Santa Rosa Plateau in Riverside County.	Southern basalt flow vernal pools.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Myotis yumanensis	Yuma myotis	Mammals	None	None	BLM_S-Sensitive IUCN_LC-Least Concern WBWG_LM-Low-Medium Priority	Lower montane coniferous forest Riparian forest Riparian woodland Upper montane coniferous forest	Optimal habitats are open forests and woodlands with sources of water over which to feed.	Distribution is closely tied to bodies of water. Maternity colonies in caves, mines, buildings or crevices.	No habitat for this species is present on the project site. This species is not present.
Neolarra alba	white cuckoo bee	Insects	None	None			Known only from localities in Southern California.	Cleptoparasitic in the nests of perditae bees.	No habitat for this species is present on the project site. This species is not present.
Neotoma lepida intermedia	San Diego desert woodrat	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Coastal scrub of Southern California from San Diego County to San Luis Obispo County.	Moderate to dense canopies preferred. They are particularly abundant in rock outcrops, rocky cliffs, and slopes.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Nyctinomops femorosaccus</i>	pocketed free-tailed bat	Mammals	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_M-Medium Priority	Joshua tree woodland Pinon & juniper woodlands Riparian scrub Sonoran desert scrub	Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc.	Rocky areas with high cliffs.	No habitat for this species is present on the project site. This species is not present.
<i>Oncorhynchus mykiss irideus</i> pop. 10	steelhead - southern California DPS	Fish	Endangered	None	AFS_EN-Endangered	Aquatic South coast flowing waters	Federal listing refers to populations from Santa Maria River south to southern extent of range (San Mateo Creek in San Diego County).	Southern steelhead likely have greater physiological tolerances to warmer water and more variable conditions.	No habitat for this species is present on the project site. This species is not present.
<i>Onychomys torridus ramona</i>	southern grasshopper mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Chenopod scrub	Desert areas, especially scrub habitats with friable soils for digging. Prefers low to moderate shrub cover.	Feeds almost exclusively on arthropods, especially scorpions and orthopteran insects.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Pandion haliaetus</i>	osprey	Birds	None	None	CDF_S-Sensitive CDFW_WL-Watch List IUCN_LC-Least Concern	Riparian forest	Ocean shore, bays, freshwater lakes, and larger streams.	Large nests built in tree-tops within 15 miles of a good fish-producing body of water.	No habitat for this species is present on the project site. This species is not present.
<i>Perognathus longimembris brevinasus</i>	Los Angeles pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Lower elevation grasslands and coastal sage communities in and around the Los Angeles Basin.	Open ground with fine, sandy soils. May not dig extensive burrows, hiding under weeds and dead leaves instead.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Phrynosoma blainvillii</i>	coast horned lizard	Reptiles	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Chaparral Cismontane woodland Coastal bluff scrub Coastal scrub Desert wash Pinon & juniper woodlands Riparian scrub Riparian woodland Valley & foothill grassland	Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes.	Open areas for sunning, bushes for cover, patches of loose soil for burial, and abundant supply of ants and other insects.	No habitat for this species is present on the project site. This species is not present.
<i>Plegadis chihi</i>	white-faced ibis	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern	Marsh & swamp Wetland	Shallow freshwater marsh.	Dense tule thickets for nesting, interspersed with areas of shallow water for foraging.	No habitat for this species is present on the project site. This species is not present.
<i>Polioptila californica californica</i>	coastal California gnatcatcher	Birds	Threatened	None	CDFW_SSC-Species of Special Concern NABCI_YWL-Yellow Watch List	Coastal bluff scrub Coastal scrub	Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California.	Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Rana draytonii	California red-legged frog	Amphibians	Threatened	None	CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable	Aquatic Artificial flowing waters Artificial standing waters Freshwater marsh Marsh & swamp Riparian forest Riparian scrub Riparian woodland Sacramento/San Joaquin flowing waters Sacramento/San Joaquin standing waters South coast flowing waters South coast standing waters Wetland	Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation.	Requires 11-20 weeks of permanent water for larval development. Must have access to estivation habitat.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
<i>Salvadora hexalepis virgulnea</i>	coast patch-nosed snake	Reptiles	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub	Brushy or shrubby vegetation in coastal Southern California.	Require small mammal burrows for refuge and overwintering sites.	No habitat for this species is present on the project site. This species is not present.
<i>Spea hammondii</i>	western spadefoot	Amphibians	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	Cismontane woodland Coastal scrub Valley & foothill grassland Vernal pool Wetland	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands.	Vernal pools are essential for breeding and egg-laying.	No habitat for this species is present on the project site. This species is not present.
<i>Streptocephalus woottoni</i>	Riverside fairy shrimp	Crustaceans	Endangered	None	IUCN_EN-Endangered	Coastal scrub Valley & foothill grassland Vernal pool Wetland	Endemic to Western Riverside, Orange, and San Diego counties in areas of tectonic swales/earth slump basins in grassland and coastal sage scrub.	Inhabit seasonally astatic pools filled by winter/spring rains. Hatch in warm water later in the season.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Taricha torosa	Coast Range newt	Amphibians	None	None	CDFW_SSC-Species of Special Concern		Coastal drainages from Mendocino County to San Diego County.	Lives in terrestrial habitats and will migrate over 1 km to breed in ponds, reservoirs and slow moving streams.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Taxidea taxus	American badger	Mammals	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Alkali marsh Alkali playa Alpine Alpine dwarf scrub Bog & fen Brackish marsh Broadleaved upland forest Chaparral Chenopod scrub Cismontane woodland Closed-cone coniferous forest Coastal bluff scrub Coastal dunes Coastal prairie Coastal scrub Desert dunes Desert wash Freshwater marsh Great Basin grassland	Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils.	Needs sufficient food, friable soils and open, uncultivated ground. Preys on burrowing rodents. Digs burrows.	No habitat for this species is present on the project site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Thamnophis hammondii	two-striped gartersnake	Reptiles	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive	Marsh & swamp Riparian scrub Riparian woodland Wetland	Coastal California from vicinity of Salinas to northwest Baja California. From sea to about 7,000 ft elevation.	Highly aquatic, found in or near permanent fresh water. Often along streams with rocky beds and riparian growth.	No habitat for this species is present on the project site. This species is not present.
Vireo bellii pusillus	least Bell's vireo	Birds	Endangered	Endangered	IUCN_NT-Near Threatened NABCI_YWL-Yellow Watch List	Riparian forest Riparian scrub Riparian woodland	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft.	Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	No habitat for this species is present on the project site. This species is not present.

APPENDIX C



View of disturbed, ruderal habitat with evidence of weed abatement.



View of disturbed, non-vegetated basin and stormdrain outlet located within the northern portion of the site.



View of disturbed, ruderal habitat with ornamental trees along site boundary.



View of ruderal habitat with ornamental vegetation.

APPENDIX D

Soil Map—Western Riverside Area, California
(Property Boundary)



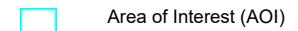
Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

3/31/2022
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MAP LEGEND

Area of Interest (AOI)



Area of Interest (AOI)

Soils



Soil Map Unit Polygons



Soil Map Unit Lines



Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

Special Line Features

Water Features

Streams and Canals

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15,800.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Western Riverside Area, California

Survey Area Data: Version 14, Sep 13, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Apr 17, 2018—Jun 28, 2018

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
HcC	Hanford coarse sandy loam, 2 to 8 percent slopes	10.0	100.0%
Totals for Area of Interest		10.0	100.0%