



Hernandez

Environmental
Services

**GENERAL BIOLOGICAL ASSESSMENT
FOR
ASSESSOR'S PARCEL NUMBERS
462-182-018 & 462-185-006
RIVERSIDE COUNTY, CALIFORNIA**

Prepared for:

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DECEMBER 2021

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1.0 Introduction

Hernandez Environmental Services (HES) was retained by No Worries! RV Boat and Storage LLC to perform a General Biological Assessment (GBA) on an approximately 3.54-acre site comprised of Assessor's Parcel Numbers (APNs) APNs 462-182-018 and 462-185-006. The purpose of the GBA is to document the presence/absence of sensitive resources that may be present on the site, to document existing habitats, and generally address biological questions that may be needed for project approval. This GBA will present the results obtained from the field survey and will provide recommendations that may be needed to mitigate potential biological impacts from project activities.

1.1 Project Location

The proposed project site is located north of Haddock Street, south of Willard Street, east of Garfield Avenue, and west of Winchester Road within unincorporated Riverside County, California (Figures 1 and 2, *Location Map* and *Vicinity Map*). The site consists of Riverside County APNs 462-182-018 and 462-185-006. The vacated Finch Street right-of-way exists between the two APNs and is included within the project boundaries. Specifically, the project site is located within Section 28, Township 5 South, Range 2 West of the *Winchester* United States Geological Survey (USGS) 7.5-minute topographic quadrangle. The project site center point latitude and longitude are 33°42'15.6137" North and 117°05'08.3005" West.

1.2 Project Description

The proposed project consists of the construction of an RV, boat, and truck storage facility with approximately 220 storage stalls (Figure 3, *Project Plans*). The proposed development is expected to impact the entire 3.54 acres.

2.0 Methodology

2.1 Literature Review

HES conducted a literature review and reviewed aerial photographs and topographic maps of the project location and surrounding areas. The following USGS quads were used to query the California Natural Diversity Database (CNDDDB): *Winchester*, *Romoland*, *Perris*, *Lakeview*, *San Jacinto*, *Sage*, *Hemet*, *Bachelor Mtn*, and *Murrieta*. The United States Fish and Wildlife Service (USFWS) County Endangered Species Lists and California Native Plant Society (CNPS) Rare Plant Inventory were reviewed to obtain species information for the project area.

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 County of Riverside, 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 County 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 Harvest Valley/Winchester Area Plan. The project site is not located within a Cell Group or Criteria Cell, or within plan-defined areas requiring surveys for narrow endemic plant species, invertebrate species, criteria area species, amphibian species, burrowing owl, or mammalian species.

Additionally, the project area does not contain any habitat that would be considered riparian/riverine areas as defined in Section 6.1.2 of the Western Riverside MSHCP, and no vernal pools were observed within the project boundaries.

2.2 Field Survey

On November 22nd, 2021, HES conducted a field survey of the approximate 3.54-acre project site. Ambient temperature at 8:52 A.M. was 60° Fahrenheit, 5% cloud cover, with winds ranging from 0 to 3 miles per hour from the north. The purpose of the field survey was to document the existing habitat conditions, obtain plant and animal species information, view the surrounding uses, assess the potential for state and federal waters, assess the potential for wildlife movement corridors, and assess for the presence of critical habitat constituent elements.

The entire 3.54-acre project site was surveyed. Linear transects approximately 50 feet apart were walked for 100 percent coverage. All species observed were recorded and Global Positioning System (GPS) way points were taken to delineate specific habitat types, species locations, state or federal waters, or 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, *Observed Species List*. Sensitive plant and wildlife species with the potential to occur within the project area are listed in Appendix B, *Potential Species List*. Representative site photographs were taken and are included within Appendix C, *Site Photographs*.

3.0 Results

3.1 Environmental Setting

The project site consists of ruderal, disturbed, and woodland habitat. There is evidence of tilling, and the habitat is characterized by sparse vegetation. The southwest portion of the site contains disturbed habitat with no vegetation. The project site is bordered by paved roads to the south and east, unpaved roads to the north and west, and both suburban development and vacant land in all directions. There are residences directly to the west of the site and vacant land directly to the east. The site is flat with an elevation of 1,469 feet above mean sea level (AMSL).

3.2 Soils

According to the USDA Web Soil Survey (Appendix D, *Soils Map*), soils at the project site are classified as Domino fine sandy loam (Dt), saline-alkali and Exeter sandy loam (EnA), 0 to 2 percent slopes.

3.3 Habitat Communities

The project site consists of three habitat types: ruderal, disturbed, and woodland habitat (Figure 4, *Habitat Map*). Following is a description of these habitat types:

Ruderal

Approximately 2.91 acres of ruderal habitat occur within the project site. This habitat is characterized by the growth of new vegetation on recently disturbed land and a sparse shrub layer. Species found in this habitat are Prickly Russian thistle (*Kali tragus*), summer cypress (*Bassia scoparia*), doveweed (*Croton setigerus*), cheeseweed (*Malva parviflora*), and prickly lettuce (*Lactuca serriola*).

Disturbed

Approximately 0.61 acres of disturbed habitat occur within the project site. This species is heavily disturbed and does not contain vegetation.

Woodland

Approximately 0.02 acres of woodland habitat occur within the project site. This portion is adjacent to an unpaved road known as Finch Street. This habitat contains by native shrubs and trees, including mule fat (*Baccharis salicifolia*), Fremont cottonwood (*Populus fremontii*), and Goodding's willow (*Salix gooddingii*).

3.4 Wildlife

General wildlife species documented on the project site or within the vicinity of the site include the American crow (*Corvus brachyrhynchos*), yellow-rumped warbler (*Setophaga coronata*), Cassin's kingbird (*Tyrannus vociferans*), and other avian species.

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 land characterized mostly of ruderal and disturbed land. Furthermore, it is bordered by development, including a busy road to the east. No wildlife movement corridors were found to be present on the project site.

4.0 Sensitive Biological Resources

A total of 54 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 U. S. Fish and Wildlife Service (USFWS), California Department of Fish and Wildlife (CDFW) and California Native Plant Society (CNPS) and Bureau of Land Management (BLM). All habitats utilized by these species was evaluated during the site visit and a determination has been made for the presence or probability of presence in 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 other state, county, or municipal regulations. Other special status species will be reported in Appendix B, *Potential Species List*.

4.1 Special Status Plants

Eighteen plant species are listed as state and/or federally Threatened, Endangered, Candidate, Rare, or as 1B.1 in the CNPS Rare Plant Inventory. The following is a description 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. 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 a federally Endangered, state Threatened, and CNPS 1B.1 listed plant. It is found in chaparral, coastal scrub, valley and foothill grasslands, cismontane woodland, and pinyon and juniper woodland. It is commonly found in heavy clay soils. 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 a federally Endangered Species and ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes wetlands in chaparral, coastal sage scrub, valley and foothill grassland. It is commonly found in sandy loam or clay soil and sometimes in

alkaline soils. This species persists where disturbance has been superficial. It is also sometimes found on margins or near vernal pools. 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. No habitat for this species is present on the project site. **This species is not present.**

Jaeger's milk-vetch

Jaeger's milk-vetch (*Astragalus pachypus var. jaegeri*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is often found in dry ridges and valleys, and open sandy slopes. Its habitat includes coastal scrub, chaparral, valley and foothill grassland, and cismontane woodland. 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 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. It is commonly found in the alkaline areas in the San Jacinto River Valley. 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 shadescale scrub, alkali sink, riparian, playas, vernal pools and wetland. It is usually found on drying alkali flats with fine soils. No habitat for this species is present on the project site. **This species is not present.**

Nevin's barberry

Nevin's barberry (*Berberis nevini*) is a federally and state listed Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is typically found on steep, north facing slopes or in low grade sandy washes. Its habitat includes chaparral, cismontane woodland, coastal scrub, and riparian scrub. No habitat for this species is present on the project site. **This species is not present.**

Thread-leaved brodiaea

Thread-leaved brodiaea (*Brodiaea filifolia*) is a federally Threatened and state Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. This species is usually associated

with annual grassland and vernal pools and is often surrounded by shrubland habitats. Its habitats include chaparral, cismontane woodlands, coastal sage scrub, valley and foothill grasslands, vernal pools and wetland. 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. Its habitat includes alkali playa, chenopod scrub, meadows and seeps, riparian woodlands, wetlands, and valley and foothill grasslands. It is commonly found in alkali meadow, alkali scrub, and disturbed 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. No habitat for this species is present on the project site. **This species is not present.**

Mojave tarplant

Mojave tarplant (*Deinandra mohavensis*) is a state listed Endangered Species and is ranked 1B.3 in the CNPS Rare Plant Inventory. This species is typically found in low sand bars in river beds and most commonly in riparian or ephemeral grassy areas. Its habitat includes chaparral, coastal scrub, and riparian scrub. 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 a federally and state listed Endangered Species and is ranked 1B.1 in the CNPS Rare Plant Inventory. This species is typically found near flood deposited terraces and washes. Its habitat includes chaparral, cismontane woodland, and coastal scrub (alluvial fan sage scrub). 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 a federally and state listed 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. 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. It is usually found on alkaline soils in playas, sinks, and grasslands. No habitat for this species is present on the project site. **This species is not present.**

Spreading navarretia

Spreading navarretia (*Navarretia fossalis*) is a federally listed 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. 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 a federally and state listed Endangered Species. It is ranked 1B.1 in the CNPS rare plant inventory. It is found in vernal pools. No habitat for this species is present on the project site. **This species is not present.**

Bottle liverwort

Bottle liverwort (*Sphaerocarpos drewei*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitats include chaparral and coastal scrub. No habitat for the species is present on the project site. **This species is not present.**

4.3 Sensitive Wildlife

A total of twelve wildlife species are listed as state and/or federal threatened, endangered, or candidate species. 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 in in Appendix B, *Potential Species List*.

Tricolored blackbird

Tricolored blackbird (*Agelaius tricolor*) is a state listed Threatened Species and listed by the CDFW as a Species of Special Concern. Its habitat includes freshwater marsh, marsh and swamp, swamp, and wetland. This species is largely endemic to California and is most numerous in and around Central Valley. This species requires open accessible water, protected nesting substrate, and foraging area with insect prey within a few kilometers of the colony.

There is no habitat for this species on the project site. **This species is not present.**

Burrowing owl

Burrowing owl (*Athene cunicularia*) is a CDFW Species of Special Concern. It is also a special status animal species requiring surveys through the Western Riverside County MSHCP. Its habitat includes coastal prairie, coastal scrub, Great Basin grassland, Great Basin scrub, Mojavean 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. There is no habitat for this species on the project site. **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 does not contain suitable habitat for this species. **This species is not present.**

San Diego fairy shrimp

San Diego fairy shrimp (*Branchinecta sandiegonensis*) 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. There is no habitat for this species 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. No habitat for this species is present on the project site. **This species is not present.**

Western yellow-billed cuckoo

Western yellow-billed cuckoo (*Coccyzus americanus occidentalis*) is a federally listed Threatened and state listed Endangered Species. This species typically nests in riparian jungles of willows, often mixed with cottonwoods, with a lower story of blackberry, nettles, or wild grape. It is found in riparian forest 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, a state Candidate Endangered Species, and 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. 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 Species 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. There is no habitat for this species 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*. The project site does not have suitable habitat for this species. **This species is not present.**

Bald eagle

Bald eagle (*Haliaeetus leucocephalus*) is a state listed Endangered Species and CDFW Fully Protected Species. This species is found in lower montane coniferous forest and old-growth. They nest in large old-growth or tress with open branches, especially ponderosa pine. The project site does not contain suitable habitat for this species. **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. It is endemic to Western Riverside, Orange, and San Diego counties in areas of tectonic swales, or earth slump basins in grassland and coastal sage scrub 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 federally 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 mule fat dominated riparian scrub along permanent or nearly permanent streams. The project site does not contain suitable habitat for this species. **This species is not present.**

4.3 Critical Habitat

The proposed project site is not located within any designated federal critical habitat. The closest federal critical habitat is coastal California gnatcatcher critical habitat located 0.76 miles south and north of the project site within high elevations of coastal sage scrub. No suitable habitat is present on the project site.

4.4 Migratory 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 study area has shrubs that can be used by nesting songbirds during the nesting bird season of February 1 to September 15.

4.5 Jurisdictional Waters

There are no California Department of Fish and Wildlife (CDFW), United States Army Corps of Engineers (USACE) or Regional Water Quality Control Board (RWQCB) jurisdictional waters within the project boundaries. Furthermore, the project area does not contain any wetlands or vernal pools.

5.0 Project Impacts

5.1 Impacts to Existing Habitats

The proposed project consists of the construction of an RV, boat, and truck storage facility. Project implementation will impact the entire 3.54-acre site consisting of ruderal, disturbed, and woodland habitat.

5.2 Impacts to Sensitive Species

No sensitive plant or wildlife species have potential to exist within the project site boundaries. The project site is mostly ruderal and disturbed habitat, with sparse, non-native vegetation throughout. The site is surrounded by development in all directions, including a frequently used road known as Winchester Road to the east of the site. Due to the disturbed nature of the onsite habitat and continual vehicular and human use surrounding the site, there is no potential for sensitive species to occur.

5.3 Impacts to Critical Habitat

The proposed project site is not located within any designated federal critical habitat. The closest federal critical habitat is coastal California gnatcatcher critical habitat located 0.76 miles south and north of the project site. No impacts to federal critical habitat are expected to occur.

5.4 Impacts to Migratory Nesting Birds

Migratory nongame 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. If vegetation removal and other ground disturbance activities can be conducted outside of the recognized nesting bird season (February 15 through September 15), impacts to nesting birds is not expected.

If work cannot be avoided during the nesting bird season, prior to initiation of project activities that would remove vegetation or otherwise disturb nesting activity (for instance, mobilization of heavy equipment), work associated with project activities have the potential to impact nesting birds.

5.5 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 land surrounded by development in all directions. No wildlife movement corridors were found to be present on the project site. No impacts to wildlife movement corridors are expected.

5.6 Impacts to Jurisdictional Waters

No jurisdictional waters are present on the project site. Therefore, no impacts to state or federal jurisdictional waters are expected to occur.

5.7 Conflict with Local Policies or Ordinances Protecting Biological Resources

Any projects within Riverside County with elevations above 5,000 feet will require a survey of oak and native trees to comply with Riverside County Ordinance 559. The native trees located onsite are not within the elevation requirements for this ordinance (>5000 ft). 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 Harvest Valley/Winchester Area Plan of the Western Riverside County MSHCP. 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 branchiopods. The site was evaluated as described in the USFWS Survey Guidelines for the Listed Large Branchiopods (May 31, 2016). The project area is primarily 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 branchiopods.

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 burrowing owl, amphibians, mammals, 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

Based upon the findings of this report, it is recommended that the following measures be implemented as part of the project to avoid, minimize, or compensate for the anticipated impacts from project activities:

Nesting Birds

- If ground disturbing and vegetation clearing activities cannot be avoided during the nesting bird season (February 15 through September 15), a qualified biologist should conduct a pre-construction nesting bird survey within all areas of breeding/nesting habitat within and adjacent to the project site prior to initiation of project activities that would remove vegetation or otherwise disturb nesting activity (for instance, mobilization of heavy equipment). Surveys should be conducted not more than 3 days prior to initiation of activities.
- If nesting birds are encountered, a qualified biologist will establish an avoidance buffer zone around the nest (buffer zones vary according to species involved and shall be determined by the qualified biologist). No activities that would adversely affect the nest shall occur within the buffer zone until the qualified biologist has determined the nest is no longer active and the young are no longer dependent on the nest.

8.0 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 12-13-2021 Signed

PROJECT MANAGER

Fieldwork Performed By:

Sarah Gulyas

ASSOCIATE BIOLOGIST

Elizabeth Gonzalez

ASSOCIATE BIOLOGIST

9.0 REFERENCES

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FIGURES

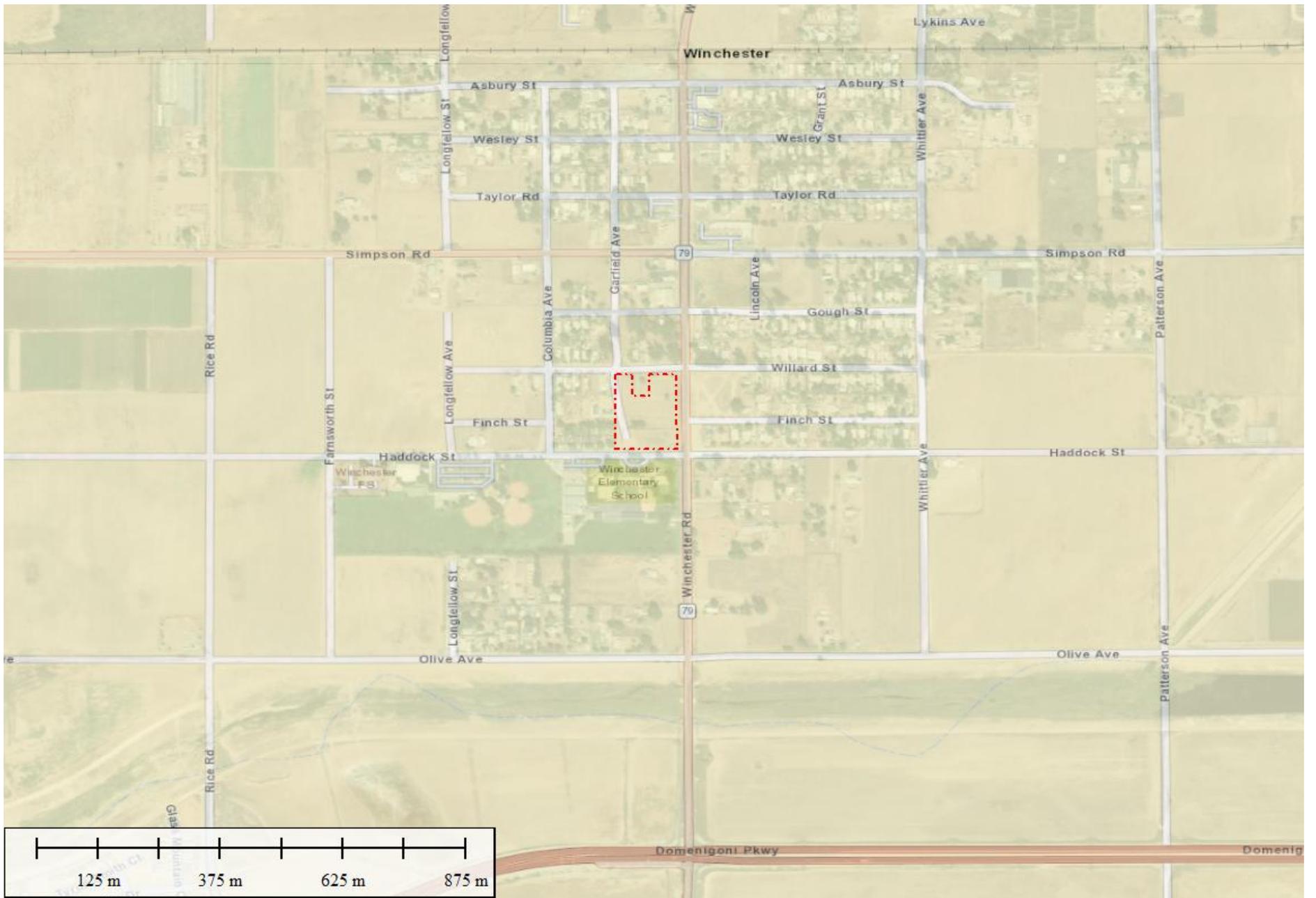


Figure 1

Location Map
 No Worries! Trailer Park
 County of Riverside, California

Legend

 Project Site Boundary





Figure 2

Vicinity Map
 No Worries! Trailer Park
 County of Riverside, California

Legend

 Project Site Boundary



PROJECT DESCRIPTION

THIS PROJECT PROPOSES AN RV, BOAT AND TRUCK STORAGE FACILITY OF 220 STORAGE STALLS. THE STORAGE FACILITY WILL HAVE AN AUTOMATIC SLIDING GATE WITH KEY PAD ENTRANCE, SECURITY CAMERAS, AN OFFICE, COMPRESSED AIR, PROPANE FILL, SOLAR LUMINAIRES AND RV SUPPLY SALES. MECHANICAL MAINTENANCE WILL NOT BE PERFORMED ON SITE.

OWNER/APPLICANT

NO WORRIES! RV AND BOAT STORAGE LLC
28447 WITHERSPOON PKWY
VALENCIA, CA 91355
OFFICE: (661) 295-1970
CONTACT NAME: TOM COMBER
CONTACT PHONE#: (661) 433-8062
EMAIL: TOM@RIVERANGLIC.COM

ENGINEER/ EXHIBIT PREPARER

HZAYEN DESIGN GROUP, INC.
360 TWILIGHT COURT,
CAMARILLO, CA 93012
OFFICE: (805) 233-7778
CONTACT: IBRAHIM HZAYEN
CELL: (818)461-2642
EMAIL: IHZAYEN@HZAYEN.COM

ASSESSOR'S PARCEL No.

462-182-018-6 & 462-185-006-4
GROSS ACRES: 3.53 ACRES
NET ACRES: N/A

UTILITIES

WATER: EASTERN MUNICIPAL WATER DISTRICT
GAS: SO CAL GAS CO.
ELECTRIC: SOUTHERN CALIFORNIA EDISON
TELEPHONE/CABLE: FRONTIER COMMUNICATIONS
SEWER: DEPT. OF ENVIRONMENTAL HEALTH

SITE DATA

EXISTING LAND USE: CR
PROPOSED LAND USE: MUA
EXISTING ZONING AREA: WINCHESTER AREA
EXISTING ZONING CLASSIFICATION: R-R
PROPOSED ZONING CLASSIFICATION: C-1/C-P GENERAL COMMERCIAL
EXISTING SPECIFIC PLAN: NOT IN A SPECIFIC PLAN
SCHOOL DISTRICT: HEMET UNIFIED
LIGHTING (ORD. 655): ZONE: B
TOWNSHIP/RANGE: T55R2W SEC 28 SE
GENERAL PLAN POLICY OVERLAY: CCO
AREA PLAN (RCIP): HARVEST VALLEY/ WINCHESTER
FEMA FLOOD PLAN: ZONE X
PANEL #06065C2080H,
DATED APRIL 19, 2017

LEGAL DESCRIPTION

PARCEL 1: (APN: 462-182-018)
LOTS 1 THROUGH 3, INCLUSIVE AND LOTS 6 THROUGH 12, INCLUSIVE, IN BLOCK 38 OF "PARSON'S SURVEY OF THE TOWN OF WINCHESTER", AS SHOWN BY MAPS ON FILE IN BOOK 2, PAGE 11 OF MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.
TOGETHER WITH THOSE PORTIONS OF THE VACATED ALLEY LYING ADJACENT TO SAID LOTS, AS VACATED BY RESOLUTION NO. 78-332, ABANDONMENT OF UNNAMED ALLEYS (R-85D), A CERTIFIED COPY OF SAID RESOLUTION HAVING BEEN RECORDED OCTOBER 26, 1978 AS INSTRUMENT NO. 226135 AND RE-RECORDED FEBRUARY 27, 1979 AS INSTRUMENT NO. 39704, BOTH OF OFFICIAL RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

TOGETHER WITH THAT PORTION OF THE EAST HALF OF GARFIELD AVENUE ADJACENT TO THE WEST LINE OF LOTS 6 AND 7, BLOCK 38, AS VACATED BY RESOLUTION NO. 2007-398, A CERTIFIED COPY OF SAID RESOLUTION HAVING BEEN RECORDED OCTOBER 17, 2007 AS INSTRUMENT NO. 2007-0641263 OF OFFICIAL RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

TOGETHER WITH THAT PORTION OF THE NORTH HALF OF FINCH STREET ADJACENT TO THE SOUTH LINE OF LOTS 7 THROUGH 12, BLOCK 38, AS VACATED BY RESOLUTION NO. 2017-194, A CERTIFIED COPY OF SAID RESOLUTION HAVING BEEN RECORDED NOVEMBER 2, 2017 AS INSTRUMENT NO. 2017-0456827 OF OFFICIAL RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

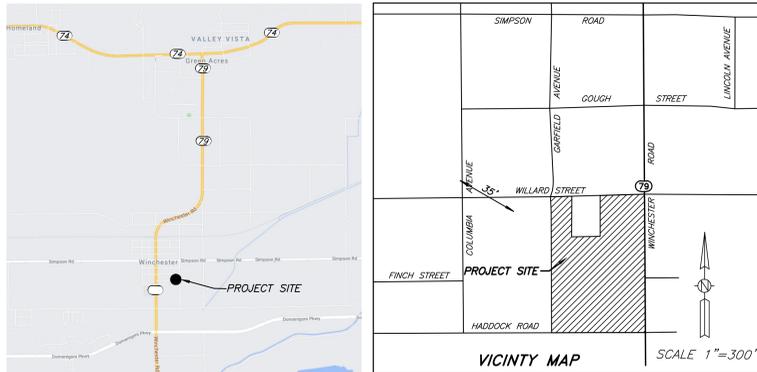
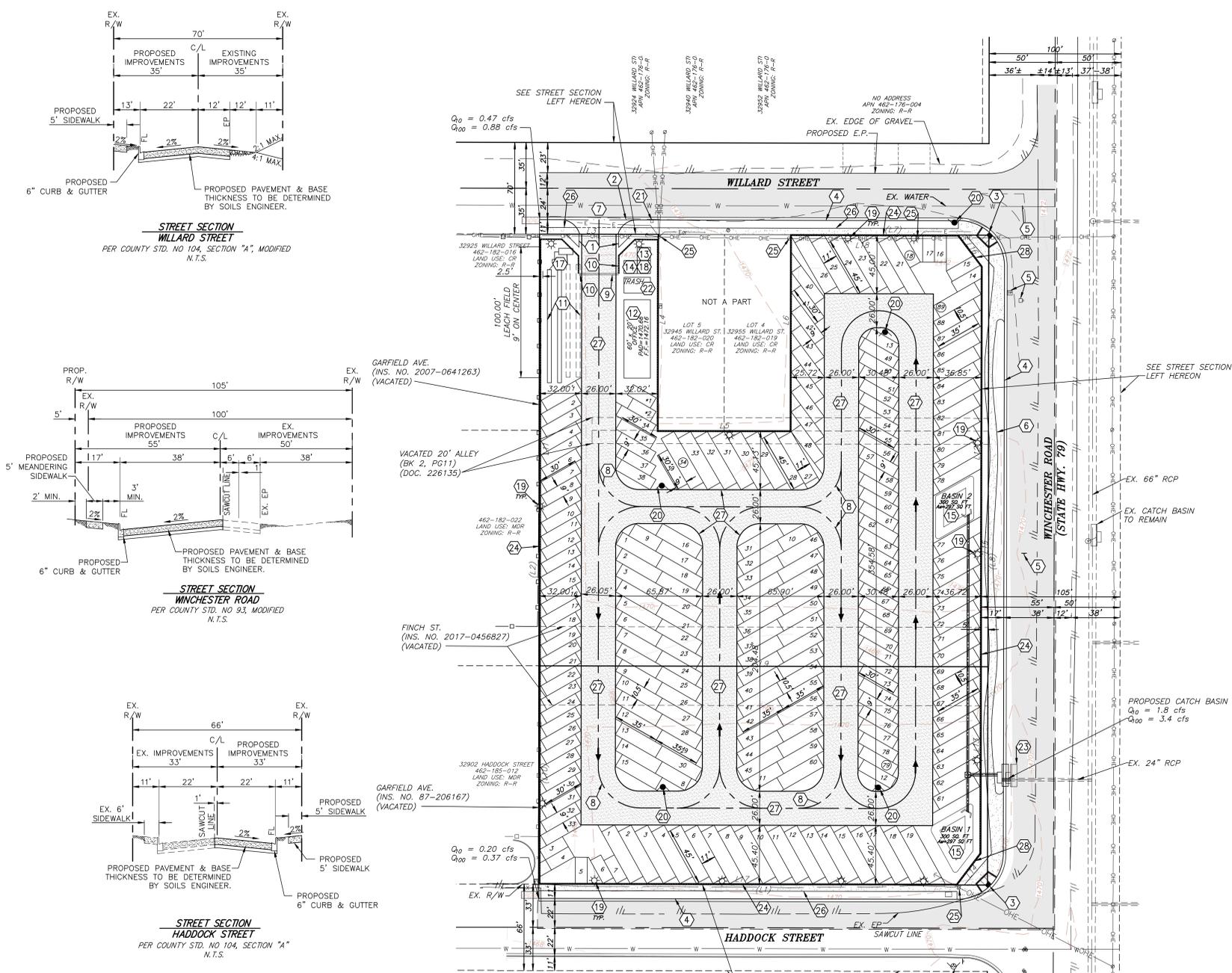
PARCEL 2: (APN: 462-185-006)

LOTS 1 THROUGH 6, INCLUSIVE, IN BLOCK 43 OF "PARSON'S SURVEY OF THE TOWN OF WINCHESTER", AS SHOWN BY MAP ON FILE IN BOOK 2, PAGE 11 OF MAPS, RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

TOGETHER WITH THAT PORTION OF THE EAST HALF OF GARFIELD AVENUE ADJACENT TO THE WEST LINE OF LOT 6, AS VACATED BY RESOLUTION NO. 87-218, A CERTIFIED COPY OF SAID RESOLUTION HAVING BEEN RECORDED JULY 17, 1987 AS INSTRUMENT NO. 87-206167 OF OFFICIAL RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

TOGETHER WITH THAT PORTION OF THE SOUTH HALF OF FINCH STREET AS VACATED BY RESOLUTION NO. 2017-194, A CERTIFIED COPY OF SAID RESOLUTION HAVING BEEN RECORDED NOVEMBER 2, 2017 AS INSTRUMENT NO. 2017-0456827 OF OFFICIAL RECORDS OF RIVERSIDE COUNTY, CALIFORNIA.

PLOT PLAN
COUNTY OF RIVERSIDE
NO WORRIES! RV AND BOAT STORAGE



LINE DATA

LINE	BEARING	DISTANCE
L1	N 89°53'00" W	339.80'
L2	N 00°04'46" E	497.08'
L3	N 89°51'41" W	90.03'
L4	N 00°05'12" E	150.03'
L5	N 89°52'20" W	100.02'
L6	N 00°06'31" E	150.01'
L7	N 89°51'41" W	150.07'
L8	N 00°07'23" E	496.95'
L9	N 89°53'00" W	339.93'
L10	N 00°04'46" E	166.98'
L11	N 00°04'46" E	330.10'
L12	N 00°07'23" E	329.97'
L13	N 00°07'23" E	166.98'
L14	N 36°59'20" E	30.00'
L15	N 00°07'23" E	448.96'
L16	N 36°44'13" W	30.00'
L17	N 89°53'00" W	316.80'
L18	N 89°51'41" W	129.08'

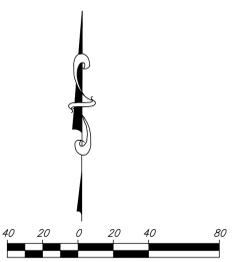
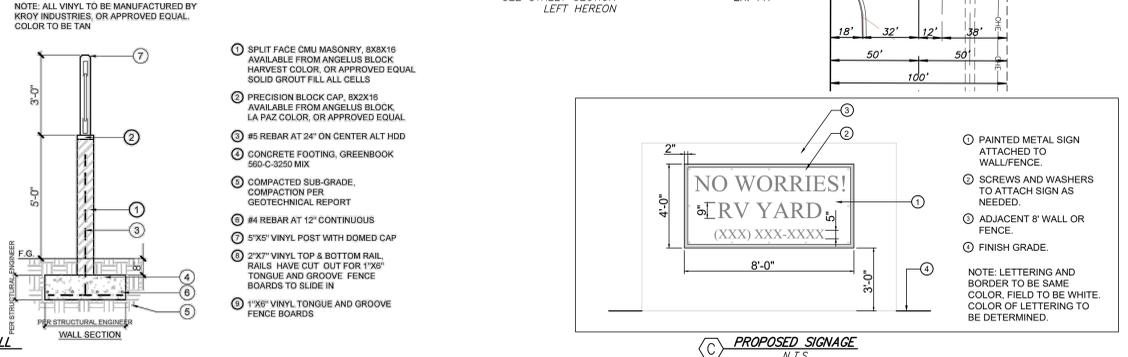
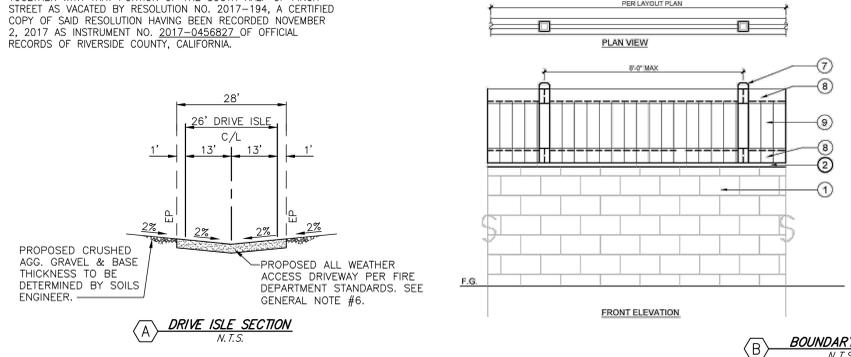
PARKING STALL TABLE

15% P#	40'x45' x 11' STALL	34
40% Q#	35' x 10.5' STALL	89
36% R#	30' x 9' STALL	79
9% S#	20' x 9' STALL	18
TOTAL STALLS		220

*=RESERVED FOR EMPLOYEE PARKING

- GENERAL NOTES:**
- NO WORK IN PUBLIC RIGHT-OF-WAY WITHOUT AN ENCROACHMENT PERMIT.
 - OUTDOOR LIGHTING SHALL BE FROM LOW PRESSURE SODIUM LAMPS THAT ARE ORIENTED AND SHIELDED TO PREVENT DIRECT ILLUMINATION ABOVE THE HORIZONTAL PLANE PASSING THROUGH THE LUMINAIRE PER E.C.S. 15/28.
 - THE PROJECT SITE IS RAW UNDEVELOPED LAND.
 - THE PROJECT SITE IS LOCATED WITHIN ZONE "X" AS SHOWN ON FLOOD INSURANCE RATE MAP, COMMUNITY NO. 060245, MAP NUMBER 080632080H WHICH BEARS AN EFFECTIVE DATE OF 04/198/2017 AND IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA.
 - PARKING STALLS WILL BE UTILIZED AS GRAVEL INFILTRATION BMP TO MITIGATE FOR WATER QUALITY. PARKING STALLS SHALL BE OUTSIDE THE ROAD RIGHT-OF-WAY.
 - DRIVE LANES WILL BE CONSTRUCTED TO FIRE DEPT. REQUIREMENTS. THE DRIVE ISLE CONSTRUCTION SHALL BE MINIMUM OF CLASS II BASE OR RECOMPOSED GRANITE AND ABLE TO WITH STAND A MINIMUM GROSS VEHICULAR WEIGHT OF 75 THOUSAND POUNDS. SEE SECTION DETAIL "A" LEFT HEREON.
 - SEE ALTA SURVEY MAP FOR EXISTING EASEMENTS.
 - NO STREET LIGHTS CURRENTLY EXISTS ON WILLARD STREET, HADDOCK STREET, AND WINCHESTER ROAD.
 - NO RV/TRAILER WASTEWATER DUMPING IS PROHIBITED ONSITE.
 - PROJECT SITE IS LOCATED IN AN AREA OF HIGH LIQUEFACTION AND SUSCEPTIBLE TO SUBSIDENCE.

- CONSTRUCTION NOTES:**
- 10'x10' AREA FOR SIGHT DISTANCE PURPOSES.
 - CONSTRUCT COMMERCIAL DRYWY PER RIVERSIDE COUNTY STD. NO. 207A.
 - CONSTRUCT CURB RAMP PER RIVERSIDE COUNTY STD. NO. 403, CASE "A".
 - CONSTRUCT CURB & GUTTER PER RIVERSIDE COUNTY STD. NO. 200, 6" CURB
 - RELOCATE EXISTING TRAFFIC SIGNAGE, EQUIPMENT, SIGNALS, LIGHTS.
 - CONSTRUCT 5' MEANDERING SIDEWALK PER RIVERSIDE COUNTY ROAD STD.
 - PROVIDE MINIMUM PAVED UNOBSTRUCTED WIDTH OF 24 FEET FOR FIRE DEPARTMENT VEHICULAR.
 - FIRE APPARATUS ACCESS ROADS SHALL BE PROVIDED WITH A 38 FOOT OUTSIDE TURNING RADIUS AND AS APPROVED BY FIRE DEPARTMENT.
 - PROPOSED AUTOMATIC SLIDING GATE.
 - PROPOSED KEY-PAD LOCATION, MINIMUM 30 FEET FROM PUBLIC RIGHT-OF-WAY.
 - PROPOSED 2'-90" LEACH FIELD AND 100% EXPANSION PER SOILS ENGINEER RECOMMENDATIONS AND COUNTY ENVIRONMENTAL HEALTH REGULATIONS.
 - PROPOSED PREFABRICATED MODULAR FOR OFFICE, SALABLE RV SUPPLIES, COMPUTER ROOM, SECURITY ROOM, WASHING FACILITIES AND STORAGE. COMPLETE WITH FIRE SUPPRESSION SYSTEM UBC OCCUPANCY 304.1, GROUP B.
 - PROPOSED 10'x10' DRY STORAGE WITH MASONRY WALLS AND METAL TRUSSED ROOF FOR FIRE WOOD SALES.
 - PROPOSED ABOVE GROUND PROPANE TANK (499 GALLON TANK).
 - FENCED WATER QUALITY MANAGEMENT PLAN (WQMP) BASIN AREA.
 - NOT USED.
 - PROPOSED SEPTIC TANK PER COUNTY ENVIRONMENTAL HEALTH REGULATIONS.
 - PROPOSED AIR COMPRESSOR AREA WITH 4' HIGH MASONRY WALL.
 - PROPOSED SOLAR POWERED LUMINAIRES WITH SECURITY CAMERAS ATTACHED. COMPLIES WITH ENVIRONMENTAL CONSTRAINT MAP #22590 WITH SHIELDS AND LOW PRESSURE SODIUM LAMPS. SEE GENERAL NOTE #2.
 - PROPOSED FIRE HYDRANT PER RIVERSIDE COUNTY STD. 701.
 - PROPOSED WATER METER PER RIVERSIDE COUNTY STD. 700.
 - PROPOSED COVERED TRASH AREA PER LANDSCAPE PLANS.
 - EXISTING CATCH BASIN TO BE RELOCATED.
 - PROPOSED 3" VINYL TOP ON 5" SPLIT FACE MASONRY WALL (8' HIGH) PER DETAIL B HEREON.
 - EXISTING POWER POLE TO BE REMOVED BY OTHERS.
 - CONSTRUCT 5' SIDEWALK PER RIVERSIDE COUNTY ROAD STD. 401.
 - PROPOSED DRIVE ISLE. SEE DETAIL "A" LEFT HEREON.
 - PROPOSED SIGNAGE PER LANDSCAPE PLANS AND DETAIL "C" HEREON.



PREPARED BY: **Hzyen Design Group, Inc**
360 Twilight Court
Camarillo, CA 93012
Phone (805) 233-7778

H|D|G

SITE PLAN/ LAND USE PLAN
EXHIBIT "A"
JULY 2021
PLOT DATE: 12/17/2021
SHEET 1 OF 1

NO.	DESCRIPTION OF REVISION	REV. DATE	APP. DATE

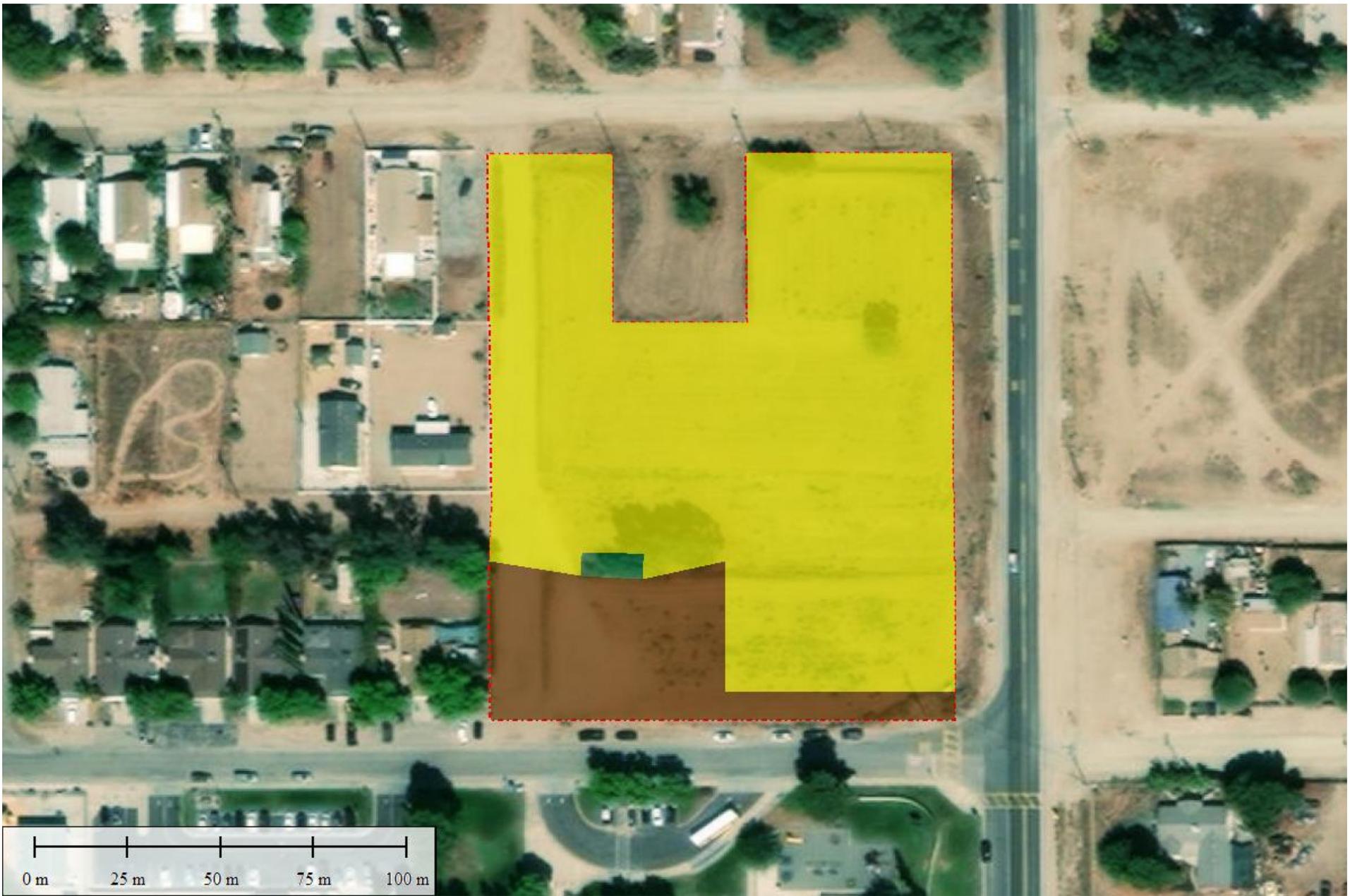
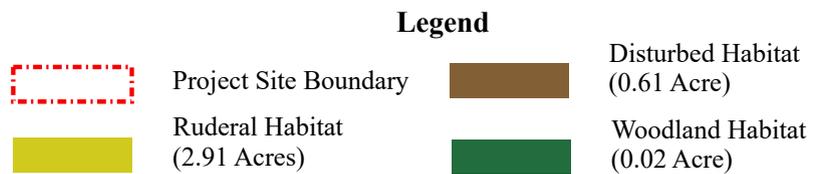


Figure 4
 Habitat Map
 No Worries! Trailer Park
 County of Riverside, California



APPENDIX A

Observed Species List

Plant List

Scientific Name	Common Name
<i>Atriplex semibaccata</i>	Australian saltbush
<i>Baccharis salicifolia</i>	Mule fat
<i>Bassia scoparia</i>	Summer cypress
<i>Bromus diandrus</i>	Great brome
<i>Corymbia citriodora</i>	Lemon-scented gum
<i>Croton setigerus</i>	Doveweed
<i>Kali tragus</i>	Prickly Russian thistle
<i>Lactuca serriola</i>	Prickly lettuce
<i>Malva parviflora</i>	Cheeseweed
<i>Nerium oleander</i>	Oleander
<i>Populus fremontii</i>	Fremont cottonwood
<i>Salix gooddingii</i>	Goodding's willow

Wildlife List

Scientific Name

Common Name

Corvus brachyrhynchos

American crow

Haemorhous mexicanus

House finch

Sayornis nigricans

Black phoebe

Setophaga coronata

Yellow-rumped warbler

Streptopelia decaocto

Eurasian collard dove

Sturnus vulgaris

European starling

Tyrannus vociferans

Cassin's kingbird

APPENDIX B

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Abronia villosa 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.	The project site does not contain suitable habitat for this species. This species is not present.
Allium marvinii	Yucaipa onion	Monocots	None	None	1B.2	Chaparral	Chaparral.	In openings on clay soils. 850- 1070 m.	The project site does not contain suitable habitat for this species. This species is not present.
Allium munzii	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.	The project site does not contain suitable habitat for this species. 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
Almutaster pauciflorus	alkali marsh aster	Dicots	None	None	2B.2	Meadow & seep	Meadow and seeps.	Alkaline. 60-765 m.	The project site does not contain suitable habitat for this species. This species is not present.
Ambrosia pumila	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.	The project site does not contain suitable habitat for this species. This species is not present.
Arctostaphylos rainbowensis	Rainbow manzanita	Dicots	None	None	1B.1	Chaparral Ultramafic	Chaparral.	Usually found in gabbro chaparral. 100-870 m.	The project site does not contain suitable habitat for this species. 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>Astragalus pachypus</i> var. <i>jaegeri</i>	Jaeger's milk-vetch	Dicots	None	None	1B.1	Chaparral Cismontane woodland Coastal scrub Valley & foothill grassland	Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland.	Dry ridges and valleys and open sandy slopes; often in grassland and oak-chaparral. 365-1040 m.	The project site does not contain suitable habitat for this species. This species is not present.
<i>Atriplex coronata</i> var. <i>notator</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.	The project site does not contain suitable habitat for this species. This species is not present.
<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.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. 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
Berberis nevinii	Nevin's barberry	Dicots	Endangered	Endangered	1B.1	Chaparral Cismontane woodland Coastal scrub Riparian scrub	Chaparral, cismontane woodland, coastal scrub, riparian scrub.	On steep, N-facing slopes or in low grade sandy washes. 90-1590 m.	The project site does not contain suitable habitat for this species. This species is not present.
Brodiaea filifolia	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.	The project site does not contain suitable habitat for this species. This species is not present.
Brodiaea santarosae	Santa Rosa Basalt brodiaea	Monocots	None	None	1B.2	Valley & foothill grassland	Valley and foothill grassland.	Santa Rosa Basalt. 585-1045 m.	The project site does not contain suitable habitat for this species. 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
Calochortus plummerae	Plummer's mariposa-lily	Monocots	None	None	4.2	Chaparral Cismontane woodland Coastal scrub Lower montane coniferous forest Valley & foothill grassland	Coastal scrub, chaparral, valley and foothill grassland, cismontane woodland, lower montane coniferous forest.	Occurs on rocky and sandy sites, usually of granitic or alluvial material. Can be very common after fire. 60-2500 m.	The project site does not contain suitable habitat for this species. This species is not present.
Calochortus weedii var. intermedius	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.	The project site does not contain suitable habitat for this species. This species is not present.
Caulanthus simulans	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.	The project site does not contain suitable habitat for this species. 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>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.	The project site does not contain suitable habitat for this species. This species is not present.
<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.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. 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
Clinopodium chandleri	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.	The project site does not contain suitable habitat for this species. This species is not present.
Cryptantha wigginsii	Wiggins' cryptantha	Dicots	None	None	1B.2	Coastal scrub	Coastal scrub.	Often on clay soils. 45-110 m.	The project site does not contain suitable habitat for this species. This species is not present.
Deinandra mohavensis	Mojave tarplant	Dicots	None	Endangered	1B.3	Chaparral Coastal scrub Riparian scrub	Riparian scrub, coastal scrub, chaparral.	Low sand bars in river bed; mostly in riparian areas or in ephemeral grassy areas. 640-1645 m.	The project site does not contain suitable habitat for this species. This species is not present.
Desert Fan Palm Oasis Woodland	Desert Fan Palm Oasis Woodland	Riparian	None	None		Riparian woodland			Not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Dodecahema leptoceras	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 Encelia, Dalea, Lepidospartum, etc. Sandy soils. 200-765 m.	The project site does not contain suitable habitat for this species. This species is not present.
Dudleya multicaulis	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.	The project site does not contain suitable habitat for this species. This species is not present.
Eryngium aristulatum var. parishii	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.	The project site does not contain suitable habitat for this species. 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
Githopsis diffusa ssp. filicaulis	Mission Canyon bluecup	Dicots	None	None	3.1	Chaparral	Chaparral.	Probably in open, grassy places and mesic, disturbed areas; much overlooked. 450-700 m.	The project site does not contain suitable habitat for this species. This species is not present.
Harpagonella palmeri	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.	The project site does not contain suitable habitat for this species. This species is not present.
Imperata brevifolia	California satintail	Monocots	None	None	2B.1	Chaparral Coastal scrub Meadow & seep Mojavean desert scrub Riparian scrub Wetland	Coastal scrub, chaparral, riparian scrub, mojavean desert scrub, meadows and seeps (alkali), riparian scrub.	Mesic sites, alkali seeps, riparian areas. 3-1495 m.	The project site does not contain suitable habitat for this species. 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>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 streamsides. 280-2035 m.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. 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
Myosurus minimus ssp. apus	little mousetail	Dicots	None	None	3.1	Valley & foothill grassland Vernal pool Wetland	Vernal pools, valley and foothill grassland.	Alkaline soils. 20-640 m.	The project site does not contain suitable habitat for this species. This species is not present.
Nama stenocarpa	mud nama	Dicots	None	None	2B.2	Marsh & swamp Wetland	Marshes and swamps.	Lake shores, river banks, intermittently wet areas. 15-815 m.	The project site does not contain suitable habitat for this species. This species is not present.
Navarretia fossalis	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.	The project site does not contain suitable habitat for this species. 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
Navarretia prostrata	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.	The project site does not contain suitable habitat for this species. This species is not present.
Orcuttia californica	California Orcutt grass	Monocots	Endangered	Endangered	1B.1	Vernal pool Wetland	Vernal pools.	10-660 m.	The project site does not contain suitable habitat for this species. This species is not present.
Penstemon californicus	California beardtongue	Dicots	None	None	1B.2	Chaparral Lower montane coniferous forest Pinon & juniper woodlands	Chaparral, lower montane coniferous forest, pinyon and juniper woodland.	Stony slopes and shrubby openings; sandy or granitic soils. 240-2290 m.	The project site does not contain suitable habitat for this species. This species is not present.
Pseudognaphalium leucocephalum	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.	The project site does not contain suitable habitat for this species. 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
Scutellaria bolanderi ssp. austromontana	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.	The project site does not contain suitable habitat for this species. This species is not present.
Sidalcea neomexicana	salt spring checkerbloom	Dicots	None	None	2B.2	Alkali playa Chaparral Coastal scrub Lower montane coniferous forest Mojavean desert scrub Wetland	Playas, chaparral, coastal scrub, lower montane coniferous forest, Mojavean desert scrub.	Alkali springs and marshes. 3-2380 m.	The project site does not contain suitable habitat for this species. This species is not present.
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.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Southern Mixed Riparian Forest	Southern Mixed Riparian Forest	Riparian	None	None		Riparian forest			Not present.
Southern Riparian Scrub	Southern Riparian Scrub	Riparian	None	None		Riparian scrub			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.	The project site does not contain suitable habitat for this species. 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
Symphotrichum defoliatum	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.	The project site does not contain suitable habitat for this species. This species is not present.
Texosporium sancti-jacobi	woven-spored lichen	Lichens	None	None	3	Chaparral	Chaparral.	Open sites; in California with Adenostoma fasciculatum, Eriogonum, Selaginella. Found on soil, small mammal pellets, dead twigs, and on Selaginella. 60-870 m.	The project site does not contain suitable habitat for this species. 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
Tortula californica	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.	The project site does not contain suitable habitat for this species. This species is not present.
Trichocoronis wrightii var. wrightii	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.	The project site does not contain suitable habitat for this species. 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	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Accipiter cooperii	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.	The project site does not contain suitable habitat for this species. This species is not present.
Agelaius tricolor	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.	The project site does not contain suitable habitat for this species. 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>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.	The project site does not contain suitable habitat for this species. This species is not present.
<i>Anniella stebbinsi</i>	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.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Antrozous pallidus	pallid bat	Mammals	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	Chaparral Coastal scrub Desert wash Great Basin grassland Great Basin scrub Mojavean desert scrub Riparian woodland Sonoran desert scrub Upper montane coniferous forest Valley & foothill grassland	Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting.	Roosts must protect bats from high temperatures. Very sensitive to disturbance of roosting sites.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Arizona elegans occidentalis	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.	The project site does not contain suitable habitat for this species. This species is not present.
Artemisiospiza belli belli	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.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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.	The project site does not contain suitable habitat for this species. This species is not present.
Aspidoscelis tigris stejnegeri	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.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Athene cunicularia	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.	The project site does not contain suitable habitat for this species. This species is not present.
Bombus crotchii	Crotch bumble bee	Insects	None	None			Coastal California east to the Sierra-Cascade crest and south into Mexico.	Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Branchinecta lynchi	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.	The project site does not contain suitable habitat for this species. This species is not present.
Branchinecta sandiegonensis	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.	The project site does not contain suitable habitat for this species. This species is not present.
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.	The project site does not contain suitable habitat for this species. 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 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.	The project site does not contain suitable habitat for this species. This species is not present.
Campylorhynchus brunneicapillus sandiegensis	coastal cactus wren	Birds	None	None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	Coastal scrub	Southern California coastal sage scrub.	Wrens require tall opuntia cactus for nesting and roosting.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. This species is not present.
Circus hudsonius	northern harrier	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Coastal scrub Great Basin grassland Marsh & swamp Riparian scrub Valley & foothill grassland Wetland	Coastal salt and freshwater marsh. Nest and forage in grasslands, from salt grass in desert sink to mountain cienagas.	Nests on ground in shrubby vegetation, usually at marsh edge; nest built of a large mound of sticks in wet areas.	The project site does not contain suitable habitat for this species. This species is not present.
Coccyzus americanus occidentalis	western yellow-billed cuckoo	Birds	Threatened	Endangered	BLM_S-Sensitive NABCI_RWL-Red Watch List USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	Riparian forest	Riparian forest nester, along the broad, lower flood-bottoms of larger river systems.	Nests in riparian jungles of willow, often mixed with cottonwoods, with lower story of blackberry, nettles, or wild grape.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Coleonyx variegatus abbotti	San Diego banded gecko	Reptiles	None	None	CDFW_SSC- Species of Special Concern	Chaparral Coastal scrub	Coastal and cismontane Southern California.	Found in granite or rocky outcrops in coastal scrub and chaparral habitats.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Corynorhinus townsendii	Townsend's big-eared bat	Mammals	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	Broadleaved upland forest Chaparral Chenopod scrub Great Basin grassland Great Basin scrub Joshua tree woodland Lower montane coniferous forest Meadow & seep Mojavean desert scrub Riparian forest Riparian woodland Sonoran desert scrub Sonoran thorn woodland Upper montane coniferous forest Valley	Throughout California in a wide variety of habitats. Most common in mesic sites.	Roosts in the open, hanging from walls and ceilings. Roosting sites limiting. Extremely sensitive to human disturbance.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Crotalus ruber	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.	The project site does not contain suitable habitat for this species. This species is not present.
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.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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.	The project site does not contain suitable habitat for this species. This species is not present.
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 deciduous woodland.	Open grasslands, meadows, or marshes for foraging close to isolated, dense-topped trees for nesting and perching.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Eremophila alpestris actia	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.	The project site does not contain suitable habitat for this species. This species is not present.
Eumops perotis californicus	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.	The project site does not contain suitable habitat for this species. This species is not present.
Euphydryas editha quino	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 Plantago erecta, P. insularis, and Orthocarpus purpurescens.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Gila orcuttii	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.	The project site does not contain suitable habitat for this species. This species is not present.
Haliaeetus leucocephalus	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.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Lanius ludovicianus	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.	The project site does not contain suitable habitat for this species. This species is not present.
Lasiurus xanthinus	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.	The project site does not contain suitable habitat for this species. This species is not present.
Lepus californicus bennettii	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.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Linderiella occidentalis	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.	The project site does not contain suitable habitat for this species. This species is not present.
Linderiella santarosae	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.	The project site does not contain suitable habitat for this species. 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 perdita bees.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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.	The project site does not contain suitable habitat for this species. This species is not present.
Onychomys torridus ramona	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.	The project site does not contain suitable habitat for this species. This species is not present.
Perognathus longimembris brevinasus	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.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Perognathus longimembris internationalis	Jacumba pocket mouse	Mammals	None	None	CDFW_SSC-Species of Special Concern	Coastal scrub Desert wash Sonoran desert scrub	Desert riparian, desert scrub, desert wash, coastal scrub and sagebrush.	Rarely found on rocky sites; uses all canopy coverages.	The project site does not contain suitable habitat for this species. This species is not present.
Phrynosoma blainvillii	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.	The project site does not contain suitable habitat for this species. This species is not present.
Plegadis chihi	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.	The project site does not contain suitable habitat for this species. 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>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.	The project site does not contain suitable habitat for this species. This species is not present.
<i>Salvadora hexalepis virgultea</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.	The project site does not contain suitable habitat for this species. This species is not present.
<i>Setophaga petechia</i>	yellow warbler	Birds	None	None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	Riparian forest Riparian scrub Riparian woodland	Riparian plant associations in close proximity to water. Also nests in montane shrubbery in open conifer forests in Cascades and Sierra Nevada.	Frequently found nesting and foraging in willow shrubs and thickets, and in other riparian plants including cottonwoods, sycamores, ash, and alders.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Socalchemmis icenoglei	icenogle's socalchemmis spider	Arachnids	None	None		Coastal scrub	Known only from the type locality in the vicinity of Winchester, Riverside County.		The project site does not contain suitable habitat for this species. This species is not present.
Spea hammondii	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.	The project site does not contain suitable habitat for this species. This species is not present.
Streptocephalus woottoni	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.	The project site does not contain suitable habitat for this species. 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.	The project site does not contain suitable habitat for this species. 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 Great Basin	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.	The project site does not contain suitable habitat for this species. 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 hammondi	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.	The project site does not contain suitable habitat for this species. This species is not present.
Toxostoma bendirei	Bendire's thrasher	Birds	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	Joshua tree woodland Mojavean desert scrub	Migratory; local spring/summer resident in flat areas of desert succulent shrub/Joshua tree habitats in Mojave Desert.	Nests in cholla, yucca, palo verde, thorny shrub, or small tree, usually 0.5 to 20 feet above ground.	The project site does not contain suitable habitat for this species. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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.	The project site does not contain suitable habitat for this species. This species is not present.
Xanthocephalus xanthocephalus	yellow-headed blackbird	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Marsh & swamp Wetland	Nests in freshwater emergent wetlands with dense vegetation and deep water. Often along borders of lakes or ponds.	Nests only where large insects such as Odonata are abundant, nesting timed with maximum emergence of aquatic insects.	The project site does not contain suitable habitat for this species. This species is not present.

APPENDIX C



View of heavily disturbed habitat on the south end of site. Ruderal habitat in the distance. Facing east.



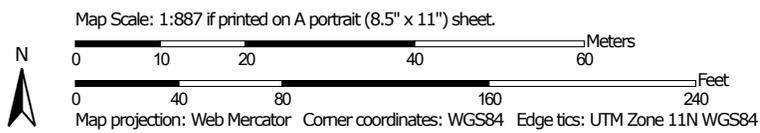
View of ruderal habitat within Finch Street. Small portion of woodland habitat present to the south (left).



View of ruderal habitat on site.

APPENDIX D

Soil Map—Western Riverside Area, California
(property line)



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

Transportation



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: May 25, 2019—Jun 25, 2019

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
Dt	Domino fine sandy loam, saline-alkali	0.2	6.3%
EnA	Exeter sandy loam, 0 to 2 percent slopes	3.3	93.7%
Totals for Area of Interest		3.5	100.0%