



**GENERAL BIOLOGICAL ASSESSMENT
FOR THE
BRADBURY ROAD EXTENSION PROJECT**

**CITY OF BRADBURY
LOS ANGELES COUNTY, CALIFORNIA**

Prepared for:

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1.0 Introduction

HES was contracted by RKA Consulting Group, to prepare a General Biological Assessment (GBA) for the approximate 1.38-acre project area located within the City of Bradbury, Los Angeles, California. The purpose of this GBA is to identify any biological resources that may be present or have the potential to be present on or adjacent to the project area.

1.1 Project Location

The project site is located on Bradbury Road and Wildrose Avenue on the western border of the City of Bradbury adjacent to the City of Monrovia. The project site is bound by Deodar Lane to the north, Winding Oak Lane to the south, single family residential properties to the west, and Bradbury Estates community to the east. Regional access to the project site is available by Interstate 210 (I-210) and I-605 via Mount Olive Drive and Royal Oaks Drive. Specifically, the project area is located within the Azusa (Duarte) land grant in the of the *Azusa* United States Geological Survey (USGS) 7.5' topographic quadrangle (Figure 2, *Vicinity Map*). The center point latitude and longitude for the project area are 34°08'58.4454" N and 117°58'55.6026" W.

1.2 Project Description

The project would widen Bradbury Road (Wildrose Avenue) from 24 feet to 36 feet, maintaining one lane in each direction, from Winding Oak Lane to Deodar Lane. Proposed widening would require right-of-way (ROW) acquisition north of Wildrose Avenue beyond the existing roadway ROW limits. Approximately 7,140 square feet of asphalt concrete pavement would be removed and replaced, and 2,582 square feet of pavement would be added as part of the roadway widening. Several oak trees would be removed as a result of the proposed widening. Existing slopes adjacent to the roadway would be regraded and a new retaining wall would be installed north of Wildrose Avenue. The project would also include associated hardscape and landscaping improvements along the roadway. Refer to Figure 3, *Site Plans*.

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): *Azusa, Mt. Wilson, El Monte, Baldwin Park, San Dimas, Glendora, Crystal Lake, Waterman Mtn., and Chilao Flat*. Additional resources reviewed during the literature search included the United States Fish and Wildlife (USFWS) Endangered Species Lists, and the California Native Plant Society's (CNPS) Rare plant lists to obtain species information for the project area.

2.2 Field Survey

On August 11, 2021, HES conducted a field survey of the approximate 1.38-acre project area. Ambient temperature at 8:10 AM was 73° Fahrenheit, sunny, with winds ranging from 0 to 2 miles per hour from the southwest. 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 1.38-acre project area was surveyed by walking 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 area. A comprehensive list of all plant and wildlife species that were detected during the field survey within the project area is included in Appendix A. Sensitive plant and wildlife species with the potential to occur within the project area are listed in Appendix B. Representative site photographs were taken and are included within Appendix C.

3.0 Existing Conditions and Results

3.1 Environmental Setting

The project area is located within the city of Bradbury in Los Angeles County, California. The project area consists of the existing Bradbury Road alignment, developed areas, and coast live oak woodlands. Onsite elevations range from 617 feet above mean sea-level (AMSL) to 643 AMSL. Surrounding land uses include residential and agricultural development.

3.2 Soils

Two soil classes are identified to occur on the project area by the USDA Web Soil Survey. Onsite mapped soils are described in Table 1.

Table 1
Onsite Soil Types

Unit Name	Unit Symbol	Slope
Urban land-Soboba complex	1006	0 to 5 percent slopes
Urban land-Azuvina-Montebello complex	1138	0 to 5 percent slopes

3.3 Plant and Habitat Communities

The project area contains two habitat types, including 1.09 acre of developed areas and 0.29 acre of Coast live oak woodland habitat (Figure 4, *Habitat Map*). Following is a description of each habitat type:

Developed Areas

The project area contains approximately 1.09 acres of developed areas. These areas include single family residential properties and paved roads. Vegetation in these areas consists of ornamental species including Trailing lantana (*Lantana montevidensis*), Avocado tree (*Persea americana*), paperflower (*Bougainvillea* sp.), and Japanese privet (*Ligustrum japonicum*).

Coast live oak woodland

The project area contains approximately 0.29 acre of coast live oak woodland dominated by coast live oak (*Quercus agrifolia*). Other species noted within this habitat include, laurel sumac (*Malosma*), southern California walnut (*Juglans californica*), and poison oak (*Toxicodendron diversilobum*).

4.0 Sensitive Biological Resources

4.1 Special Status Species

A total of 55 sensitive species of plants and 51 sensitive wildlife species have the potential to be present on, or in the vicinity, of the project area. This includes those listed, or candidates for listing by the USFWS, the California Department of Fish and Wildlife (CDFW), and the CNPS. All habitats with the potential to be used by sensitive species were evaluated during the site visit and a determination has been made for the presence or probability of presence within this report. This section will address those species listed as Candidate, Rare, Threatened, or Endangered under the state and federal endangered species laws. Sensitive species which have a potential to occur will also be discussed in this section. Other special status species are addressed within Appendix B.

4.1.1 *Special Status Plants*

A total of 8 plant species listed as state and/or federal Threatened, Endangered, or Candidate species, or 1B.1 listed plants on the CNPS Rare Plant Inventory have been found to have a potential to exist on the project area, as determined within Appendix B. The site visit was not conducted during the blooming season for the majority of these plant species.

Braunton's milk-vetch

Braunton's milk-vetch (*Astragalus brauntonii*) is a federally listed Endangered species and is ranked 1B.1 in the CNPS Rare Plant Inventory. It is usually found in recently burned or disturbed

areas, usually on sandstone with carbonate layers. It requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles, or bowls between hills. Its habitat includes chaparral, coastal scrub, valley, and foothill grassland. No habitat for this species is present on the project area. **This species is not present.**

Thread-leaved brodiaea

The thread-leaved brodiaea (*Brodiaea filifolia*) is a federally Threatened, state Endangered and a CNPS 1B.1 listed plant. 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 area. **This species is not present.**

Southern tarplant

Southern tarplant (*Centromadia parryi ssp. australis*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in marshes and swamps (margins), valley and foothill grassland, vernal pools. No habitat for this species exists on the project area. **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. Its habitat includes coastal scrub, chaparral, cismontane woodland, valley, and foothill grassland. No habitat for this species is present on the project area. **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 area. **This species is not present.**

San Gabriel Mountains dudleya

San Gabriel Mountains dudleya (*Dudleya densiflora*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is found in chaparral, coastal scrub, cismontane woodland, lower montane coniferous forest, riparian forest. No habitat for this species is present on the project area. **This species is not present.**

Mesa horkelia

Mesa horkelia (*Horkelia cuneate var. puberula*) is ranked 1B.1 in the CNPS Rare Plant Inventory. It is typically found in sandy or gravelly sites. Its habitat includes chaparral, cismontane woodland,

and coastal scrub. No habitat for this species is present on the project area. **This species is not present.**

Brand's star phacelia

Brand's star phacelia (*Phacelia stellaris*) is ranked 1B.1 in the CNPS Rare Plant Inventory. Its habitat includes coastal dunes and coastal scrub. No habitat for this species is present on the project area. **This species is not present.**

4.1.3 Special Status Wildlife

A total of 13 animal species are listed as threatened, endangered, or candidate species under state and federal endangered species laws, or for special consideration under the California Environmental Quality Act. Following are descriptions of the 13 species and their potential of occurring on the site. (Note: Included in this list are California Species of Special Concern and other sensitive species that are present or have a potential to be present.)

Arroyo Toad

Arroyo Toad (*Anaxyrus californicus*) is a federally listed Endangered species. The most favorable breeding habitat for this species consists of slow-moving shallow pools, nearby sandbars, and adjacent stream terraces. There is no habitat for this species on the project area. **The species is not present.**

Crotch bumble bee

Crotch bumble bee (*Bombus crotchii*) is a state Candidate Endangered species. Its located in coastal California east to the Sierra-Cascade crest and south into Mexico. Its food plan genera include *Antirrhinum*, *Phacelia*, *Clarkia*, *Dendromecon*, *Eschscholzia*, and *Eriogonum*. There is no habitat for this species on the project area. **This species is not present.**

Swainson's Hawk

Swainson's hawk (*Buteo swainsoni*) is a state listed Threatened species. The species favors open grasslands for foraging but also occurs in agricultural settings. They rely on scattered stands of trees near agricultural fields and grasslands for nesting sites. There is no suitable nesting habitat for this species on the project. **The species is not present.**

Santa Ana sucker

Santa Ana sucker (*Catostomus santaanae*) is a federally listed Threatened species. Its habitat includes aquatic and south coast flowing waters. This species prefers sand-rubble-boulder bottoms, cool and clear water, and algae. It is endemic to Los Angeles Basin south coastal streams. The project area does not contain suitable habitat for this species. **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 area does not contain suitable habitat for this species. **This species is not present.**

Southwestern willow flycatcher

Southwestern willow flycatcher (*Empidonax traillii extimus*) is federally and state listed as Endangered. The species breeds in dense riparian habitats along rivers, streams, or other wetlands. Vegetation can be dominated by dense growths of willows, seep willow (*Baccharis* sp.), tamarisk (*Tamarix* sp.) or other large trees. The project does not have suitable habitat for this species. **This species is not present.**

Quino checkerspot butterfly

Quino checkerspot butterfly (*Euphydryas editha quino*) is a federally listed Endangered species. This species is found in sunny openings within grassland, chaparral and coastal sage scrub. The species requires high densities of host/food plants which include, California plantain (*Plantago erecta*), woolly plantain (*P. insularis*), Coulter's snapdragon (*Antirrhinum coulterianum*), Chinese houses (*Collinsia concolor*), and owl's clover (*Castilleja exserta*). No suitable habitat for this species is present on site. **This species is not present.**

California black rail

California black rail (*Laterallus jamaicensis coturniculus*) is state listed as Threatened. The species is found in habitats such as brackish marsh, freshwater marsh, marsh and swamps, salt marshes, and wetlands. They prefer freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays. The project does not have suitable habitat for this species. **This species is not present.**

Coastal California gnatcatcher

Coastal California gnatcatcher (*Polioptila californica californica*) is a federally listed Threatened species and CDFW Species of Special Concern. The species range is limited to the California coast and is found only in coastal sage scrub. There is no suitable habitat on site. **This species is not present.**

Foothill yellow-legged frog

Foothill yellow-legged frog (*Rana boylei*) is state listed as Endangered and CDFW Species of Special Concern. This species is found in partly shaded, shallow streams and riffles with a rocky

substrate in a variety of habitats. The project does not have suitable habitat for this species. **This species is not present.**

Southern mountain yellow-legged frog

Southern mountain yellow-legged frog (*Rana muscosa*) is a federally and state listed Endangered species. It is found in aquatic habitat. This species is always encountered within a few feet of water. Tadpoles may require two to four years to complete their aquatic development. The project area does not contain suitable habitat for this species. **This species is not present.**

Bank swallow

Bank swallow (*Riparia riparia*) is a state listed Threatened species. It nests primarily in riparian and other lowland habitats west of the desert. This species requires vertical banks or cliffs with fine-textured or sandy soils near streams, rivers, lakes, or oceans to dig nesting holes. Its habitat includes riparian scrub and riparian woodland. The project area does not have suitable habitat for this species. **This species is not present.**

Least Bell's vireo

Least Bell's vireo (*Vireo bellii pusillus*) is a federal and state listed Endangered species. This species is found in riparian forest, riparian scrub, and riparian woodland. Nesting habitat of this species is restricted to willow and/or mulefat dominated riparian scrub along permanent or nearly permanent streams. The project area does not contain suitable habitat for this species. **This species is not present.**

4.2 Critical Habitat

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

4.3 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. Trees and shrubs located on the site can be used by nesting songbirds or raptors during the nesting bird season of February 1 to September 15.

4.4 Wildlife Movement Corridors

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 area is not located within a designated wildlife corridor or linkage. However, the project area was evaluated for its function as a wildlife corridor that species use to move between wildlife habitat zones. The project area consists of developed areas with adjacent coast live oak woodland. No hillsides or riparian areas occur on site. Furthermore, the project area is surrounded by residential development. No wildlife movement corridors are located on site.

4.5 State and Federal Jurisdictional Drainages

The project area does not contain any California Department of Fish and Wildlife (CDFW), United States Army Corps of Engineers (USACE), or Regional Water Quality Control Board (RWQCB) jurisdictional water features.

5.0 Project Impacts

5.1 Impacts to Habitats

The project area contains two habitat types, including 1.09 acre of developed areas and 0.29 acre of coast live oak woodland habitat. The proposed project would widen Bradbury Road (Wildrose Avenue) from 24 feet to 36 feet. Implementation of the proposed project would impact approximately 0.65 acre of developed areas and 0.18 acre of coast live oak woodland habitat.

5.3 Migratory Nesting Birds

The project area contains shrubs and trees that can support nesting songbirds or raptors during the nesting bird season of February 1 through September 15. Potential impacts to nesting birds may occur if ground disturbing activities or vegetation removal occur during the bird nesting season. Implementation of the measures identified in the Recommendations section of this report will ensure that potential impacts to nesting birds are less than significant.

5.4 Impacts to Critical Habitat

The project area is not located within designated federal critical habitat. No impacts to critical habitat would occur.

5.5 Impacts to Wildlife Movement Corridors

The project area is not located within a designated wildlife corridor or linkage. However, the project area was evaluated for its function as a wildlife corridor that species use to move between wildlife habitat zones. The project area consists of developed areas with adjacent coast live oak woodland. No hillsides or riparian areas occur on site. Furthermore, the project area is surrounded by residential development. The project site does not contain any wildlife movement corridors. No impacts are expected.

5.6 Conflict with Local Policies or Ordinances Protecting Biological Resources

The project area contains trees that may fall under the Bradbury Development Code, Chapter 118 - Tree Preservation and Protection regulations. Any development project that has the potential to remove prominent and/or significant trees will require a permit and submittal of a tree preservation and planting plan. The proposed project will result in the removal of coast live oak trees; therefore, a permit will be required.

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

No impacts to any adopted Habitat Conservation Plan, Natural Community Conservation Plan, or Other Approved Local, Regional, or State Habitat Conservation plan are anticipated.

5.8 State and Federal Drainages

The project area does not contain any state or federally jurisdictional water features. No impacts to state and federal drainages would occur.

6.0 Recommendations

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

Nesting Birds

- Project ground disturbing and vegetation clearing activities should occur outside of the bird nesting season of February 1 through September 15;
- If avoidance of ground disturbing and vegetation clearing activities cannot be implemented and these activities will occur during the bird nesting season, a qualified biologist shall conduct pre-construction nesting bird surveys during the nesting bird season within 3 days prior to vegetation removal and/or construction activities; and,
- If active nests are found during nesting bird surveys, they will be flagged and a 500-foot buffer for raptors and a 250-foot buffer for migratory song birds, shall be installed around the nests. The buffers must remain in place until the young have fledged and the nest becomes unoccupied.

7.0 Certification

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

DATE 9/30/2021

SIGNED



PROJECT MANAGER

Fieldwork Performed By:

Elizabeth Gonzalez

Associate Biologist

8.0 References

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FIGURES

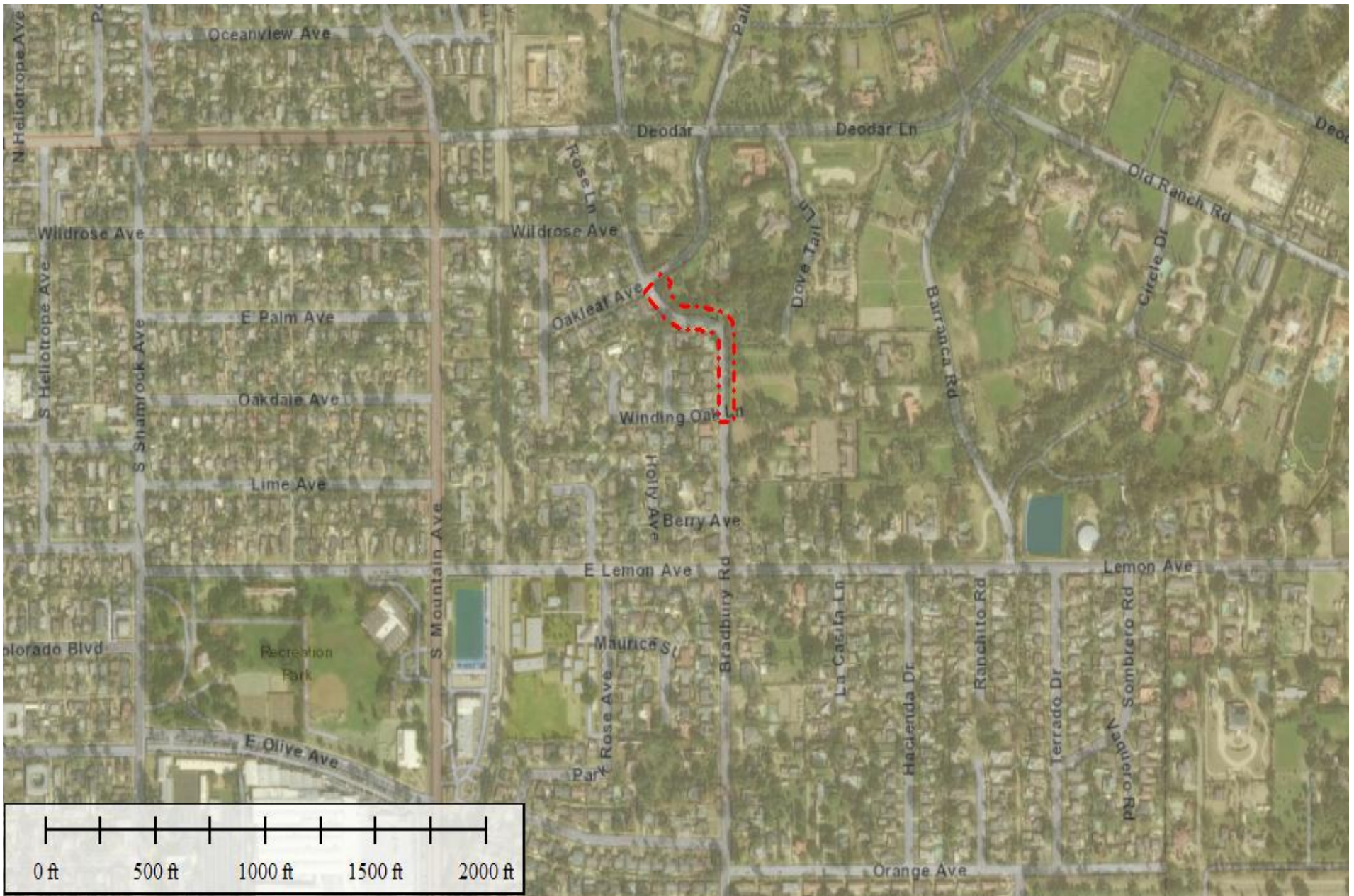


Figure 1
 Location Map
 Bradbury Road Extension
 City of Bradbury
 Los Angeles County, California

Legend

 Project Area Boundary



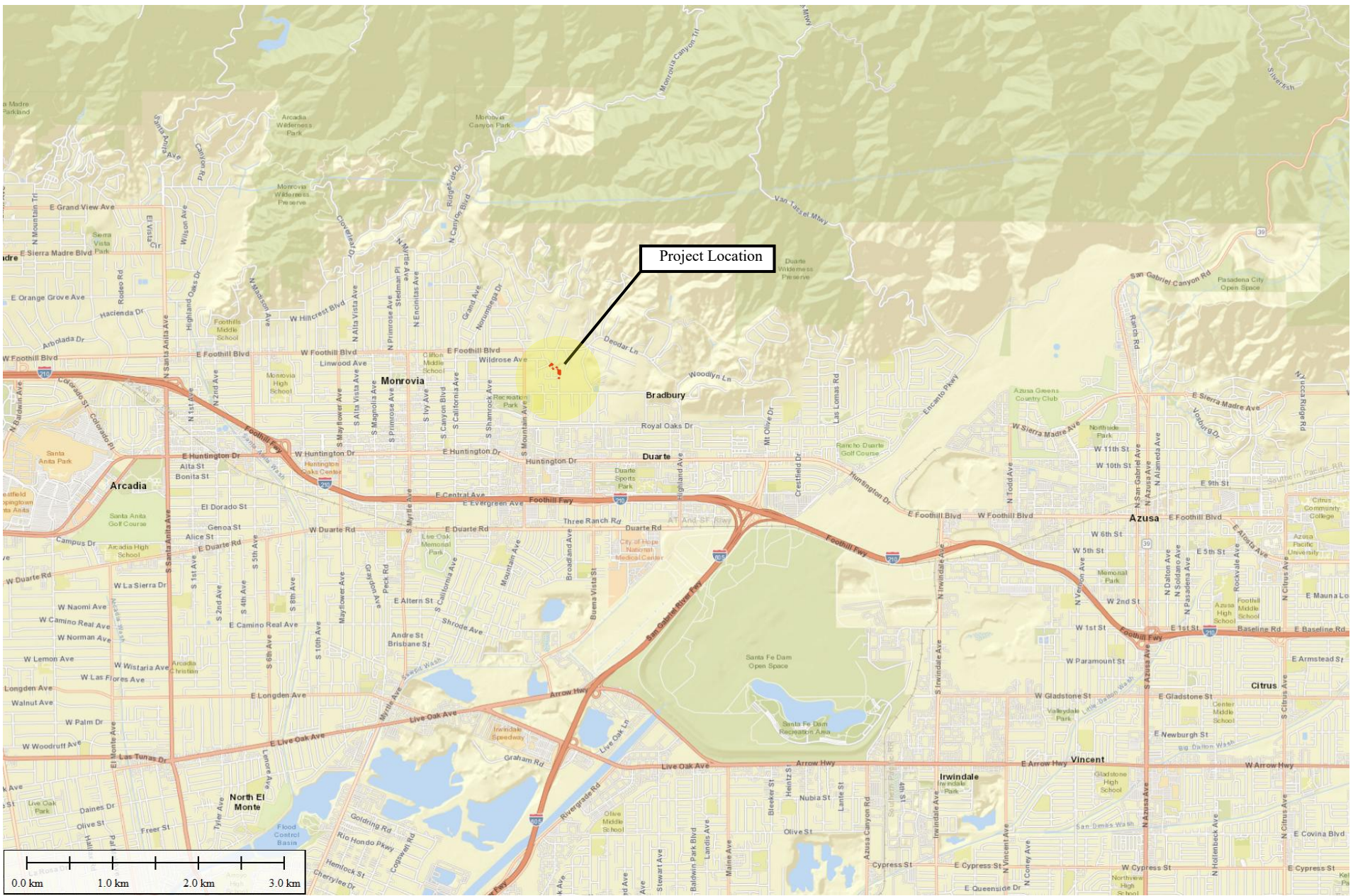
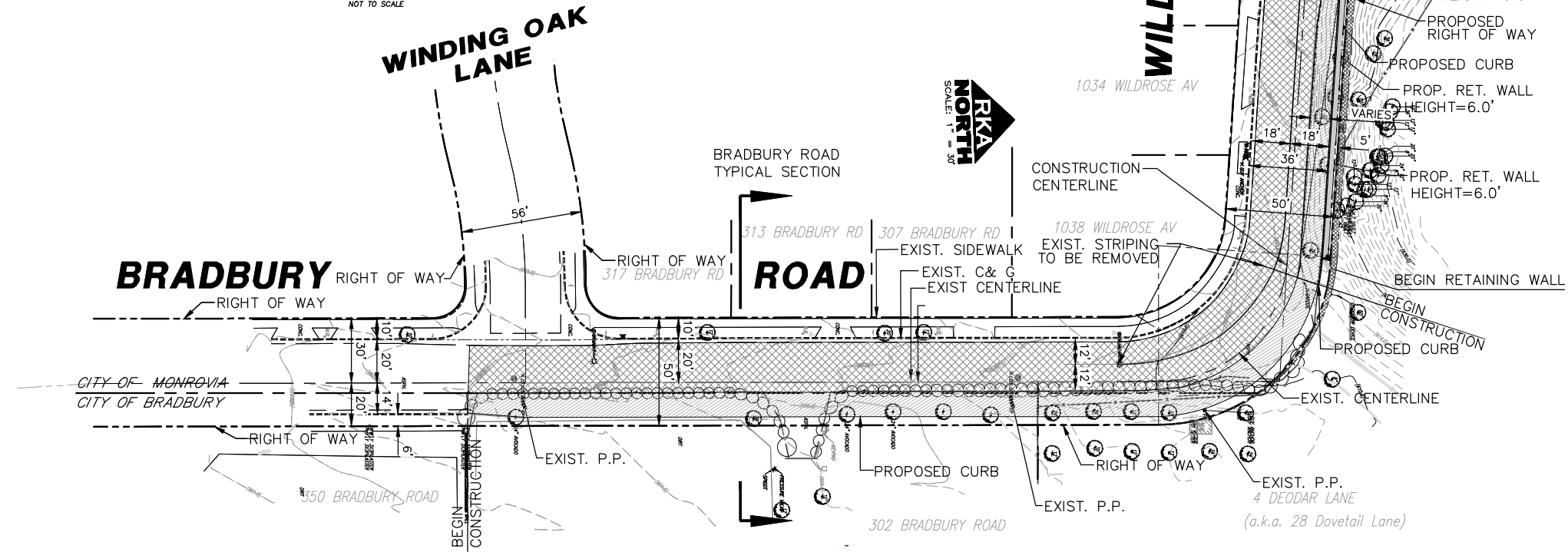
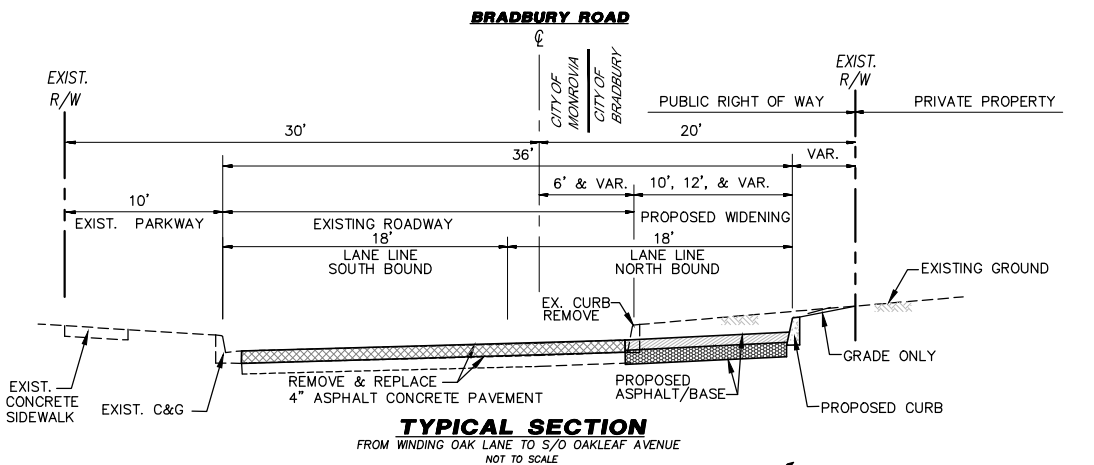
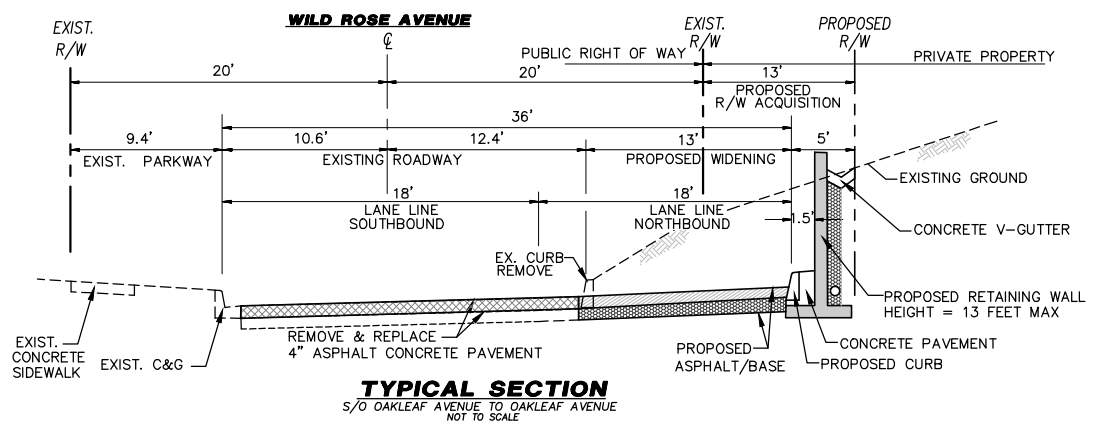


Figure 2
 Vicinity Map
 Bradbury Road Extension
 City of Bradbury
 Los Angeles County, California

Legend

 Project Area Boundary



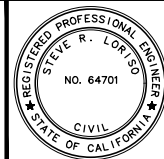


- LEGEND**
- REMOVE AND REPLACE 4" ASPHALT CONCRETE PAVEMENT AREA = 7140 SF
 - PROPOSED STREET WIDENING 4" AC/4" CMB AREA = 2582 SF
 - PROPOSED RETAINING WALL
 - PROPOSED RIGHT-OF-WAY ACQUISITION

DIG ALERT
 CALL BEFORE YOU DIG
 SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIGALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIGALERT ID. NUMBER CALL UNDERGROUND SERVICE ALERT TOLL FREE TWO WORKING DAYS BEFORE YOU DIG.
 1-800-422-4133
 CAUTION: REMEMBER THAT THE USA CENTER NOTIFIES ONLY THOSE UTILITIES BELONGING TO THE CENTER. THERE COULD BE OTHER UTILITIES PRESENT AT THE WORK SITE. THE CENTER WILL INFORM YOU OF WHOM THEY WILL NOTIFY.

DATE	DESCRIPTION	APP'D	DATE

APPROVED BY:
 DOMINIC C. MILANO
 CITY ENGINEER



RKA CONSULTING GROUP
 398 S. LEMON CREEK DRIVE - SUITE E - WALNUT, CA 91789
 (909) 894-9702 • (929) 391-8023 • FAX (909) 894-2658
 WWW.RKAGROUP.COM

STEVE R. LORISO RCE 64701 DATE

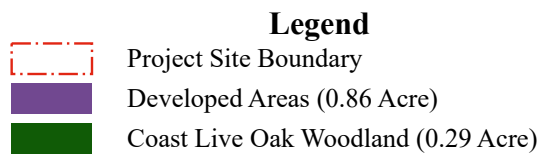
STREET IMPROVEMENT PLANS
BRADBURY ROAD WIDENING
WINDING OAK LANE TO OAKLEAF AVENUE

SHEET
 1
 OF
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 SHEETS

DRAWING NAME: X:\CAD\303035 - BRADBURY ROAD WIDENING\STRADD - PHASE 1 & 2.DWG DESIGNED BY: INITIALS DRAWN BY: INITIALS REVIEWED BY: SCL
 JOB NO.: ### PLAN SET: ###
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Figure 4
 Habitat Map
 Bradbury Road Extension
 Los Angeles County, California



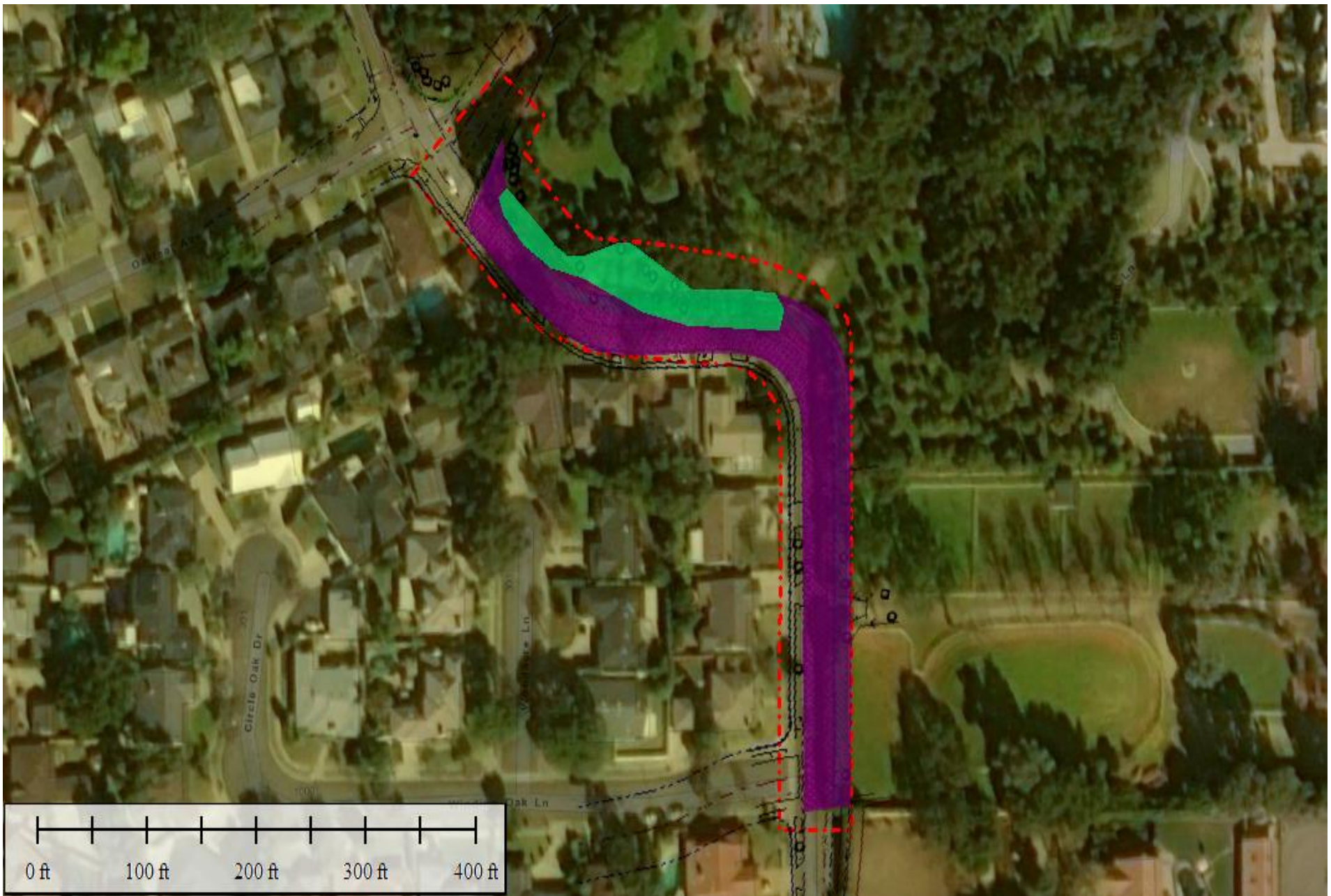


Figure 5
 Impacts Map
 Bradbury Road Extension
 City of Bradbury
 Los Angeles County, California

- Legend**
- Project Area Boundary
 - Impacts to Developed Areas (0.65 Acre)
 - Impacts to Coast Live Oak Woodland (0.18 Acre)



APPENDIX A

Species List

Plant List

<i>Quercus agrifolia</i>	Coast live oak
<i>Toxicodendron diversilobum</i>	Poison oak
<i>Ligustrum</i>	Tree privet
<i>Malosma</i>	Laurel sumac
<i>Lantana montevidensis</i>	Trailing lantana
<i>Persea americana</i>	Avocado tree
<i>Ailanthus altissima</i>	Tree of heaven
<i>Datura stramonium</i>	Jimson weed
<i>Ligustrum japonicum</i>	Japanese privet
<i>Sambucus nigra</i>	Black Elderberry
<i>Ulmus parvifolia</i>	Chinese elm
<i>Platanus</i> sp.	Sycamore tree
<i>Hedera helix</i>	Common ivy
<i>Bougainvillea</i> sp.	Paperflower
<i>Juglans californica</i>	Southern California walnut

Animal List

<i>Mimus polyglottos</i>	Northern mockingbird
<i>Sayornis nigricans</i>	Black Phoebe

APPENDIX B

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Anomobryum julaceum	slender silver moss	Bryophytes	None	None	4.2	Broadleaved upland forest Lower montane coniferous forest North coast coniferous forest	Broadleafed upland forest, lower montane coniferous forest, north coast coniferous forest.	Moss which grows on damp rocks and soil; acidic substrates. Usually seen on roadcuts. 100-1000 m.	No suitable habitat is present on site. This species is not present.
Arctostaphylos glandulosa ssp. gabrielensis	San Gabriel manzanita	Dicots	None	None	1B.2	Chaparral	Chaparral.	Rocky outcrops; can be dominant shrub where it occurs. 960-2015 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Astragalus brauntonii	Braunton's milk-vetch	Dicots	Endangered	None	1B.1	Chaparral Coastal scrub Limestone Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	Recent burns or disturbed areas; usually on sandstone with carbonate layers. Soil specialist; requires shallow soils to defeat pocket gophers and open areas, preferably on hilltops, saddles or bowls between hills. 3-640 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Botrychium crenulatum	scalloped moonwort	Ferns	None	None	2B.2	Bog & fen Lower montane coniferous forest Marsh & swamp Meadow & seep Upper montane coniferous forest Wetland	Bogs and fens, meadows and seeps, upper montane coniferous forest, lower montane coniferous forest, marshes and swamps.	Moist meadows, freshwater marsh, and near creeks. 1185-3110 m.	No suitable habitat is present on site. 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.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
California Walnut Woodland	California Walnut Woodland	Woodland	None	None		Cismontane woodland			No suitable habitat is present on site. This species is not present.
Calochortus clavatus var. gracilis	slender mariposa-lily	Monocots	None	None	1B.2	Chaparral Coastal scrub Valley & foothill grassland	Chaparral, coastal scrub, valley and foothill grassland.	Shaded foothill canyons; often on grassy slopes within other habitat. 210-1815 m.	No suitable habitat is present on site. This species is not present.
Calochortus palmeri var. palmeri	Palmer's mariposa-lily	Monocots	None	None	1B.2	Chaparral Lower montane coniferous forest Meadow & seep	Meadows and seeps, chaparral, lower montane coniferous forest.	Vernally moist places in yellow-pine forest, chaparral. 195-2530 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
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.	No suitable habitat is present on site. This species is not present.
Calochortus striatus	alkali mariposa-lily	Monocots	None	None	1B.2	Chaparral Chenopod scrub Meadow & seep Mojavean desert scrub Wetland	Chaparral, chenopod scrub, Mojavean desert scrub, meadows and seeps.	Alkaline meadows and ephemeral washes. 70-1600m.	No suitable habitat is present on site. 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.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Canyon Live Oak Ravine Forest	Canyon Live Oak Ravine Forest	Riparian	None	None		Riparian forest			Not present
Carex occidentalis	western sedge	Monocots	None	None	2B.3	Lower montane coniferous forest Meadow & seep Wetland	Lower montane coniferous forest, meadows and seeps.	1645-2320 m.	No suitable habitat is present on site. This species is not present.
Castilleja gleasoni	Mt. Gleason paintbrush	Dicots	None	Rare	1B.2	Chaparral Lower montane coniferous forest Pinon & juniper woodlands	Lower montane coniferous forest, chaparral, pinyon and juniper woodland.	On open flats or slopes in granitic soil. Restricted to the San Gabriel Mountains. 975-1950 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Centromadia parryi</i> ssp. <i>australis</i>	southern tarplant	Dicots	None	None	1B.1	Marsh & swamp Salt marsh Valley & foothill grassland Vernal pool Wetland	Marshes and swamps (margins), valley and foothill grassland, vernal pools.	Often in disturbed sites near the coast at marsh edges; also in alkaline soils sometimes with saltgrass. Sometimes on vernal pool margins. 0-975 m.	No suitable habitat is present on site. 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.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Cladium californicum</i>	California saw-grass	Monocots	None	None	2B.2	Alkali marsh Freshwater marsh Meadow & seep Wetland	Meadows and seeps, marshes and swamps (alkaline or freshwater).	Freshwater or alkaline moist habitats. -40-2150 m.	No suitable habitat is present on site. This species is not present.
<i>Claytonia peirsonii</i> ssp. <i>peirsonii</i>	Peirson's spring beauty	Dicots	None	None	1B.2	Subalpine coniferous forest Upper montane coniferous forest	Upper montane coniferous forest, subalpine coniferous forest.	Granitic scree slopes, often with a sandy or fine soil component and granitic cobbles. 1510-2745 m.	No suitable habitat is present on site. This species is not present.
<i>Cuscuta obtusiflora</i> var. <i>glandulosa</i>	Peruvian dodder	Dicots	None	None	2B.2	Marsh & swamp Wetland	Marshes and swamps (freshwater).	Freshwater marsh. 15-280 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Dodecahema leptoceras</i>	slender-horned spineflower	Dicots	Endangered	Endangered	1B.1	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub (alluvial fan sage scrub).	Flood deposited terraces and washes; associates include Encelia, Dalea, Lepidospartum, etc. Sandy soils. 200-765 m.	No suitable habitat is present on site. This species is not present.
<i>Drymocallis cuneifolia</i> var. <i>ewanii</i>	Ewan's woodbeauty	Dicots	None	None	1B.3	Lower montane coniferous forest Meadow & seep Wetland	Lower montane coniferous forest, meadows and seeps.	Edges of seeps and springs, small waterways. 2270-2450 m.	No suitable habitat is present on site. This species is not present.
<i>Dudleya cymosa</i> ssp. <i>crebrifolia</i>	San Gabriel River dudleya	Dicots	None	None	1B.2	Chaparral	Chaparral.	On granite cliffs and outcrops, surrounded by scrub. 365-1250 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Dudleya densiflora	San Gabriel Mountains dudleya	Dicots	None	None	1B.1	Chaparral Cismontane woodland Coastal scrub Lower montane coniferous forest Riparian forest	Chaparral, coastal scrub, cismontane woodland, lower montane coniferous forest, riparian forest.	In crevices and on decomposed granite on cliffs and canyon walls. 270-1100 m.	No suitable habitat is present on site. 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.	No suitable habitat is present on site. This species is not present.
Eriogonum kennedyi var. alpigenum	southern alpine buckwheat	Dicots	None	None	1B.3	Alpine Alpine boulder & rock field Subalpine coniferous forest	Alpine boulder and rock fields, subalpine coniferous forest.	Dry granitic gravel. 2500-3415 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Fimbristylis thermalis</i>	hot springs fimbriylis	Monocots	None	None	2B.2	Meadow & seep Wetland	Meadows and seeps (alkaline).	Near hot springs. 115-1585 m.	No suitable habitat is present on site. This species is not present.
<i>Galium grande</i>	San Gabriel bedstraw	Dicots	None	None	1B.2	Broadleaved upland forest Chaparral Cismontane woodland Lower montane coniferous forest	Cismontane woodland, chaparral, broadleaved upland forest, lower montane coniferous forest.	Open chaparral and low, open oak forest; on rocky slopes; probably undercollected due to inaccessible habitat. 425-1450 m.	No suitable habitat is present on site. This species is not present.
<i>Horkelia cuneata</i> var. <i>puberula</i>	mesa horkelia	Dicots	None	None	1B.1	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub.	Sandy or gravelly sites. 15-1645 m.	No suitable habitat is present on site. This species is not present.

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

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Linanthus concinnus	San Gabriel linanthus	Dicots	None	None	1B.2	Chaparral Lower montane coniferous forest Upper montane coniferous forest	Lower montane coniferous forest, upper montane coniferous forest, chaparral.	Dry rocky slopes, often in Jeffrey pine/canyon oak forest. 1310-2560 m.	No suitable habitat is present on site. This species is not present.
Lupinus peirsonii	Peirson's lupine	Dicots	None	None	1B.3	Joshua tree woodland Lower montane coniferous forest Pinon & juniper woodlands Upper montane coniferous forest	Joshua tree woodland, pinyon and juniper woodland, lower montane coniferous forest, upper montane coniferous forest.	Decomposed granite slide and talus, on slopes and ridges. 1400-2380 m.	No suitable habitat is present on site. This species is not present.
Muhlenbergia californica	California muhly	Monocots	None	None	4.3	Chaparral Coastal scrub Lower montane coniferous forest Meadow & seep	Coastal scrub, chaparral, lower montane coniferous forest, meadows and seeps.	Usually found near streams or seeps. 100-2000 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Nemacladus secundiflorus</i> var. <i>robbinsii</i>	Robbins' nemacladus	Dicots	None	None	1B.2	Chaparral Valley & foothill grassland	Chaparral, valley and foothill grassland.	Dry, sandy or gravelly slopes. Openings. 360-1710 m.	No suitable habitat is present on site. This species is not present.
Open Engelmann Oak Woodland	Open Engelmann Oak Woodland	Woodland	None	None		Cismontane woodland			Not present.
<i>Opuntia basilaris</i> var. <i>brachyclada</i>	short-joint beavertail	Dicots	None	None	1B.2	Chaparral Joshua tree woodland Mojavean desert scrub Pinon & juniper woodlands	Chaparral, Joshua tree woodland, Mojavean desert scrub, pinyon and juniper woodland.	Sandy soil or coarse, granitic loam. 425-2015 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Oreonana vestita</i>	woolly mountain-parsley	Dicots	None	None	1B.3	Lower montane coniferous forest Subalpine coniferous forest Upper montane coniferous forest	Subalpine coniferous forest, upper montane coniferous forest, lower montane coniferous forest.	High ridges; on scree, talus, or gravel. 800-3370 m.	No suitable habitat is present on site. This species is not present.
<i>Orobanche valida</i> ssp. <i>valida</i>	Rock Creek broomrape	Dicots	None	None	1B.2	Chaparral Pinon & juniper woodlands	Chaparral, pinyon and juniper woodland.	On slopes of loose decomposed granite; parasitic on various chaparral shrubs. 975-1985 m.	No suitable habitat is present on site. This species is not present.
<i>Parnassia cirrata</i> var. <i>cirrata</i>	San Bernardino grass-of-Parnassus	Dicots	None	None	1B.3	Limestone Lower montane coniferous forest Meadow & seep Upper montane coniferous forest Wetland	Lower montane coniferous forest, upper montane coniferous forest, meadows and seeps.	Mesic sites, streamsides, sometimes calcareous. 1245-2440 m.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Phacelia stellaris	Brand's star phacelia	Dicots	None	None	1B.1	Coastal dunes Coastal scrub	Coastal scrub, coastal dunes.	Open areas. 3-370 m.	No suitable habitat is present on site. 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.	No suitable habitat is present on site. This species is not present.
Ribes divaricatum var. parishii	Parish's gooseberry	Dicots	None	None	1A	Riparian woodland	Riparian woodland.	Salix swales in riparian habitats. 65-300 m.	No suitable habitat is present on site. This species is not present.
Riversidian Alluvial Fan Sage Scrub	Riversidian Alluvial Fan Sage Scrub	Scrub	None	None		Coastal scrub			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.	No suitable habitat is present on site. This species is not present.
Senecio aphanactis	chaparral ragwort	Dicots	None	None	2B.2	Chaparral Cismontane woodland Coastal scrub	Chaparral, cismontane woodland, coastal scrub.	Drying alkaline flats. 20-1020 m.	No suitable habitat is present on site. This species is not present.
Southern California Arroyo Chub/Santa Ana Sucker Stream	Southern California Arroyo Chub/Santa Ana Sucker Stream	Inland Waters	None	None					Not present,
Southern Coast Live Oak Riparian Forest	Southern Coast Live Oak Riparian Forest	Riparian	None	None		Riparian forest			Not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
Southern Cottonwood Willow Riparian Forest	Southern Cottonwood Willow Riparian Forest	Riparian	None	None		Riparian forest			Not present.
Southern Sycamore Alder Riparian Woodland	Southern Sycamore Alder Riparian Woodland	Riparian	None	None		Riparian woodland			Not present.
Symphyotrichum 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.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Rare Plant Rank	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Symphotrichum greatae</i>	Greata's aster	Dicots	None	None	1B.3	Broadleaved upland forest Chaparral Cismontane woodland Lower montane coniferous forest Riparian woodland	Chaparral, cismontane woodland, broadleaved upland forest, lower montane coniferous forest, riparian woodland.	Mesic canyons. 335-2015 m.	No suitable habitat is present on site. This species is not present.
<i>Thelypteris puberula</i> var. <i>sonorensis</i>	Sonoran maiden fern	Ferns	None	None	2B.2	Meadow & seep Wetland	Meadows and seeps.	Along streams, seepage areas. 60-930 m.	No suitable habitat is present on site. This species is not present.
<i>Viola pinetorum</i> ssp. <i>grisea</i>	grey-leaved violet	Dicots	None	None	1B.2	Meadow & seep Subalpine coniferous forest Upper montane coniferous forest	Subalpine coniferous forest, upper montane coniferous forest, meadows and seeps.	Dry mountain peaks and slopes. 1580-3700 m.	No suitable habitat is present on site. This species is not present.
Walnut Forest	Walnut Forest	Forest	None	None		Broadleaved upland forest			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.	No suitable habitat is present on site. This species is not present.
Aimophila ruficeps canescens	southern California rufous-crowned sparrow	Birds	None	None	CDFW_WL-Watch List	Chaparral Coastal scrub	Resident in Southern California coastal sage scrub and sparse mixed chaparral.	Frequents relatively steep, often rocky hillsides with grass and forb patches.	No suitable habitat is present on site. This species is not present.
Anaxyrus californicus	arroyo toad	Amphibians	Endangered	None	CDFW_SSC-Species of Special Concern IUCN_EN-Endangered	Desert wash Riparian scrub Riparian woodland South coast flowing waters South coast standing waters	Semi-arid regions near washes or intermittent streams, including valley-foothill and desert riparian, desert wash, etc.	Rivers with sandy banks, willows, cottonwoods, and sycamores; loose, gravelly areas of streams in drier parts of range.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Anniella stebbinsi	Southern California legless lizard	Reptiles	None	None	CDFW_SSC- Species of Special Concern USFS_S- Sensitive	Broadleaved upland forest Chaparral Coastal dunes Coastal scrub	Generally south of the Transverse Range, extending to northwestern Baja California. Occurs in sandy or loose loamy soils under sparse vegetation. Disjunct populations in the Tehachapi and Piute Mountains in Kern County.	Variety of habitats; generally in moist, loose soil. They prefer soils with a high moisture content.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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.	No suitable habitat is present on site. 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 & riparian areas.	Ground may be firm soil, sandy, or rocky.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Atractelmis wawona	Wawona riffle beetle	Insects	None	None		Aquatic	Aquatic; found in riffles of rapid, small to medium clear mountain streams; 2000-5000 ft elev.	Strong preference for inhabiting submerged aquatic mosses	No suitable habitat is present on site. This species is not present.
Batrachoseps gabrieli	San Gabriel slender salamander	Amphibians	None	None	IUCN_DD-Data Deficient USFS_S-Sensitive	Talus slope	Known only from the San Gabriel Mtns. Found under rocks, wood, and fern fronds, and on soil at the base of talus slopes.	Most active on the surface in winter and early spring.	No suitable habitat is present on site. This species is not present.
Bombus crotchii	Crotch bumble bee	Insects	None	Candidate Endangered			Coastal California east to the Sierra-Cascade crest and south into Mexico.	Food plant genera include Antirrhinum, Phacelia, Clarkia, Dendromecon, Eschscholzia, and Eriogonum.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
<i>Buteo swainsoni</i>	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, & agricultural or ranch lands with groves or lines of trees.	Requires adjacent suitable foraging areas such as grasslands, or alfalfa or grain fields supporting rodent populations.	No suitable habitat is present on site. This species is not present.
<i>Catostomus santaanae</i>	Santa Ana sucker	Fish	Threatened	None	AFS_TH-Threatened IUCN_VU-Vulnerable	Aquatic South coast flowing waters	Endemic to Los Angeles Basin south coastal streams.	Habitat generalists, but prefer sand-rubble-boulder bottoms, cool, clear water, and algae.	No suitable habitat is present on site. This species is not present.
<i>Coccyzus americanus occidentalis</i>	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.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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 & foothill grassland	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.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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, & desert areas from coastal San Diego County to the eastern slopes of the mountains.	Occurs in rocky areas and dense vegetation. Needs rodent burrows, cracks in rocks or surface cover objects.	No suitable habitat is present on site. This species is not present.
Cypseloides niger	black swift	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern NABCI_YWL-Yellow Watch List USFWS_BCC-Birds of Conservation Concern		Coastal belt of Santa Cruz and Monterey counties; central & southern Sierra Nevada; San Bernardino & San Jacinto mountains.	Breeds in small colonies on cliffs behind or adjacent to waterfalls in deep canyons and sea-bluffs above the surf; forages widely.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/ Absence
Empidonax traillii extimus	southwestern willow flycatcher	Birds	Endangered	Endangered	NABCI_RWL-Red Watch List	Riparian woodland	Riparian woodlands in Southern California.		No suitable habitat is present on site. This species is not present.

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

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Ensatina eschscholtzii klauberi	large-blotched salamander	Amphibians	None	None	CDFW_WL-Watch List USFS_S-Sensitive		Found in conifer and woodland associations.	Found in leaf litter, decaying logs and shrubs in heavily forested areas.	No suitable habitat is present on site. 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 & deciduous woodlands, coastal scrub, grasslands, chaparral, etc.	Roosts in crevices in cliff faces, high buildings, trees and tunnels.	No suitable habitat is present on site. This species is not present.
Euphydryas editha quino	quino checkerspot butterfly	Insects	Endangered	None		Chaparral Coastal scrub	Sunny openings within chaparral & coastal sage shrublands in parts of Riverside & San Diego counties.	Hills and mesas near the coast. Need high densities of food plants Plantago erecta, P. insularis, and Orthocarpus purpurescens.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Falco columbarius	merlin	Birds	None	None	CDFW_WL-Watch List IUCN_LC-Least Concern	Estuary Great Basin grassland Valley & foothill grassland	Seacoast, tidal estuaries, open woodlands, savannahs, edges of grasslands & deserts, farms & ranches.	Clumps of trees or windbreaks are required for roosting in open country.	No suitable habitat is present on site. This species is not present.
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 & San Diego river basins.	Slow water stream sections with mud or sand bottoms. Feeds heavily on aquatic vegetation and associated invertebrates.	No suitable habitat is present on site. This species is not present.
Glyptostoma gabrielense	San Gabriel chestnut	Mollusks	None	None			Terrestrial		No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Gonidea angulata	western ridged mussel	Mollusks	None	None		Aquatic	Primarily creeks & rivers & less often lakes. Originally in most of state, now extirpated from Central & Southern Calif.		No suitable habitat is present on site. This species is not present.
Icteria virens	yellow-breasted chat	Birds	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	Riparian forest Riparian scrub Riparian woodland	Summer resident; inhabits riparian thickets of willow and other brushy tangles near watercourses.	Nests in low, dense riparian, consisting of willow, blackberry, wild grape; forages and nests within 10 ft of ground.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Lasiurus blossevillii	western red bat	Mammals	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	Cismontane woodland Lower montane coniferous forest Riparian forest Riparian woodland	Roosts primarily in trees, 2-40 ft above ground, from sea level up through mixed conifer forests.	Prefers habitat edges and mosaics with trees that are protected from above and open below with open areas for foraging.	No suitable habitat is present on site. This species is not present.
Lasiurus cinereus	hoary bat	Mammals	None	None	IUCN_LC-Least Concern WBWG_M-Medium Priority	Broadleaved upland forest Cismontane woodland Lower montane coniferous forest North coast coniferous forest	Prefers open habitats or habitat mosaics, with access to trees for cover and open areas or habitat edges for feeding.	Roosts in dense foliage of medium to large trees. Feeds primarily on moths. Requires water.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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.	No suitable habitat is present on site. This species is not present.
Laterallus jamaicensis coturniculus	California black rail	Birds	None	Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	Brackish marsh Freshwater marsh Marsh & swamp Salt marsh Wetland	Inhabits freshwater marshes, wet meadows and shallow margins of saltwater marshes bordering larger bays.	Needs water depths of about 1 inch that do not fluctuate during the year and dense vegetation for nesting habitat.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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 & open shrub / herbaceous & tree / herbaceous edges.	Coastal sage scrub habitats in Southern California.	No suitable habitat is present on site. This species is not present.
Myotis thysanodes	fringed myotis	Mammals	None	None	BLM_S-Sensitive IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority		In a wide variety of habitats, optimal habitats are pinyon-juniper, valley foothill hardwood & hardwood-conifer.	Uses caves, mines, buildings or crevices for maternity colonies and roosts.	No suitable habitat is present on site. This species is not present.
Myotis volans	long-legged myotis	Mammals	None	None	IUCN_LC-Least Concern WBWG_H-High Priority	Upper montane coniferous forest	Most common in woodland and forest habitats above 4000 ft. Trees are important day roosts; caves and mines are night roosts.	Nursery colonies usually under bark or in hollow trees, but occasionally in crevices or buildings.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Myotis yumanensis	Yuma myotis	Mammals	None	None	BLM_S-Sensitive IUCN_LC-Least Concern WBWG_LM-Low-Medium Priority	Lower montane coniferous forest Riparian forest Riparian woodland Upper montane coniferous forest	Optimal habitats are open forests and woodlands with sources of water over which to feed.	Distribution is closely tied to bodies of water. Maternity colonies in caves, mines, buildings or crevices.	No suitable habitat is present on site. This species is not present.
Neotamias speciosus speciosus	lodgpole chipmunk	Mammals	None	None		Chaparral Upper montane coniferous forest	Summits of isolated Piute, San Bernardino, & San Jacinto mountains. Usually found in open-canopy forests.	Habitat is usually lodgpole pine forests in the San Bernardino Mts & chinquapin slopes in the San Jacinto Mts.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Nyctinomops femorosaccus	pocketed free-tailed bat	Mammals	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_M-Medium Priority	Joshua tree woodland Pinon & juniper woodlands Riparian scrub Sonoran desert scrub	Variety of arid areas in Southern California; pine-juniper woodlands, desert scrub, palm oasis, desert wash, desert riparian, etc.	Rocky areas with high cliffs.	No suitable habitat is present on site. This species is not present.
Nyctinomops macrotis	big free-tailed bat	Mammals	None	None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_MH-Medium-High Priority		Low-lying arid areas in Southern California.	Need high cliffs or rocky outcrops for roosting sites. Feeds principally on large moths.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Ovis canadensis nelsoni	desert bighorn sheep	Mammals	None	None	BLM_S-Sensitive CDFW_FP-Fully Protected USFS_S-Sensitive	Alpine Alpine dwarf scrub Chaparral Chenopod scrub Great Basin scrub Mojavean desert scrub Montane dwarf scrub Pinon & juniper woodlands Riparian woodland Sonoran desert scrub	Widely distributed from the White Mtns in Mono Co. to the Chocolate Mts in Imperial Co.	Open, rocky, steep areas with available water and herbaceous forage.	No suitable habitat is present on site. This species is not present.
Palaeoxenus dohrni	Dohrn's elegant eucnemid beetle	Insects	None	None					No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
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.	No suitable habitat is present on site. This species is not present.
Polioptila californica californica	coastal California gnatcatcher	Birds	Threatened	None	CDFW_SSC-Species of Special Concern NABCI_YWL-Yellow Watch List	Coastal bluff scrub Coastal scrub	Obligate, permanent resident of coastal sage scrub below 2500 ft in Southern California.	Low, coastal sage scrub in arid washes, on mesas and slopes. Not all areas classified as coastal sage scrub are occupied.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Rana boylei	foothill yellow-legged frog	Amphibians	None	Endangered	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened USFS_S-Sensitive	Aquatic Chaparral Cismontane woodland Coastal scrub Klamath/North coast flowing waters Lower montane coniferous forest Meadow & seep Riparian forest Riparian woodland Sacramento/San Joaquin flowing waters	Partly-shaded, shallow streams and riffles with a rocky substrate in a variety of habitats.	Needs at least some cobble-sized substrate for egg-laying. Needs at least 15 weeks to attain metamorphosis.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Rana muscosa	southern mountain yellow-legged frog	Amphibians	Endangered	Endangered	CDFW_WL-Watch List IUCN_EN-Endangered USFS_S-Sensitive	Aquatic	Federal listing refers to populations in the San Gabriel, San Jacinto and San Bernardino mountains (southern DPS). Northern DPS was determined to warrant listing as endangered, Apr 2014, effective Jun 30, 2014.	Always encountered within a few feet of water. Tadpoles may require 2 - 4 yrs to complete their aquatic development.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Rhinichthys osculus ssp. 8	Santa Ana speckled dace	Fish	None	None	AFS_TH-Threatened CDFW_SSC-Species of Special Concern USFS_S-Sensitive	Aquatic South coast flowing waters	Headwaters of the Santa Ana and San Gabriel rivers. May be extirpated from the Los Angeles River system.	Requires permanent flowing streams with summer water temps of 17-20 C. Usually inhabits shallow cobble and gravel riffles.	No suitable habitat is present on site. This species is not present.
Riparia riparia	bank swallow	Birds	None	Threatened	BLM_S-Sensitive IUCN_LC-Least Concern	Riparian scrub Riparian woodland	Colonial nester; nests primarily in riparian and other lowland habitats west of the desert.	Requires vertical banks/cliffs with fine-textured/sandy soils near streams, rivers, lakes, ocean to dig nesting hole.	No suitable habitat is present on site. This species is not present.

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Setophaga petechia	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.	No suitable habitat is present on site. This species is not present.
Spea hammondi	western spadefoot	Amphibians	None	None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened	Cismontane woodland Coastal scrub Valley & foothill grassland Vernal pool Wetland	Occurs primarily in grassland habitats, but can be found in valley-foothill hardwood woodlands.	Vernal pools are essential for breeding and egg-laying.	No suitable habitat is present on site. This species is not present.

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

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

Scientific Name	Common Name	Taxon Group	Federal List	State List	Other Status	Habitats	General Habitat	Micro Habitat	Presence/Absence
Thamnophis 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.	No suitable habitat is present on site. This species is not present.
Vireo bellii pusillus	least Bell's vireo	Birds	Endangered	Endangered	IUCN_NT-Near Threatened NABCI_YWL-Yellow Watch List	Riparian forest Riparian scrub Riparian woodland	Summer resident of Southern California in low riparian in vicinity of water or in dry river bottoms; below 2000 ft.	Nests placed along margins of bushes or on twigs projecting into pathways, usually willow, Baccharis, mesquite.	No suitable habitat is present on site. This species is not present.

APPENDIX C



View of coast live oak woodland and ornamental vegetation existing roadway.



View coast live oak woodland along existing roadway.



View of developed areas and coast live oak woodlands..



View of coast live oak woodland within residential property adjacent to existing roadway.



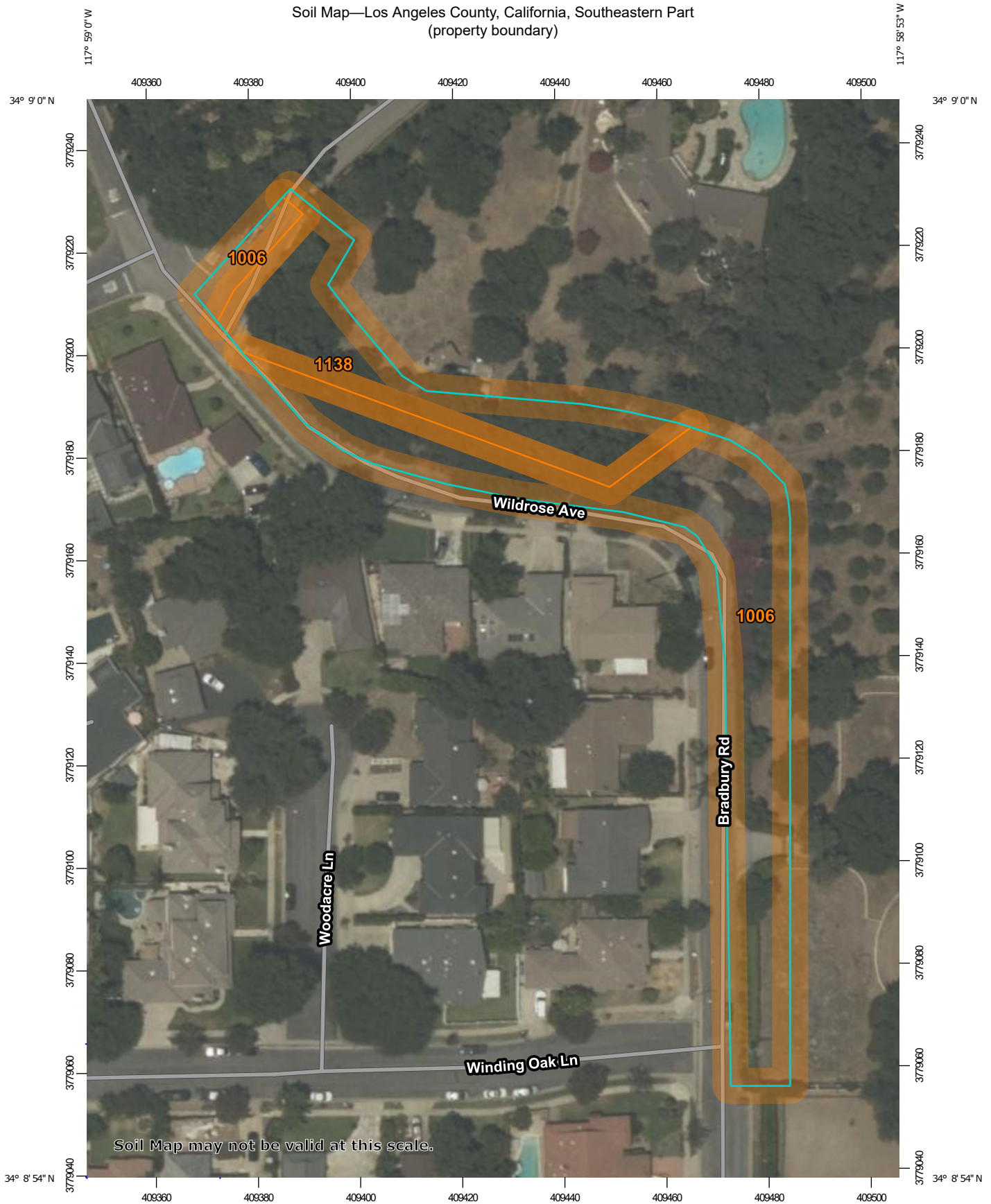
View of ornamental vegetation on properties adjacent to Bradbury Road.



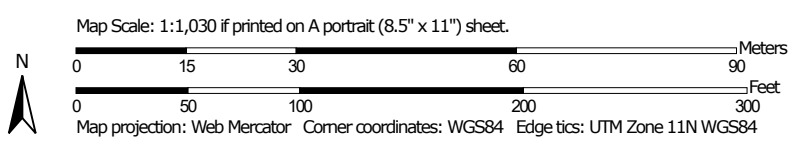
View of ornamental vegetation on properties adjacent to Bradbury Road.

APPENDIX D

Soil Map—Los Angeles County, California, Southeastern Part
(property boundary)




Soil Map may not be valid at this scale.



Soil Map—Los Angeles County, California, Southeastern Part
(property boundary)

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 1:24,000.

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: Los Angeles County, California, Southeastern Part
Survey Area Data: Version 7, May 27, 2020

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

Date(s) aerial images were photographed: Jun 26, 2019—Jul 8, 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
1006	Urban land-Soboba complex, 0 to 5 percent slopes	0.7	68.3%
1138	Urban land-Azuvina-Montebello complex, 0 to 5 percent slopes	0.3	31.7%
Totals for Area of Interest		1.0	100.0%