# NEGATIVE DECLARATION & NOTICE OF DETERMINATION

SAN LUIS OBISPO COUNTY DEPARTMENT OF PLANNING AND BUILDING
976 OSOS STREET • ROOM 200 • SAN LUIS OBISPO • CALIFORNIA 93408 • (805) 781-5600

*Promoting the Wise Use of Land • Helping to Build Great Communities*

**ENVIRONMENTAL DETERMINATION NO. ED10-185** **DATE: January 12, 2012**

**PROJECT/ENTITLEMENT:** Public Works – El Camino Real at Santa Margarita Creek Bridge Scour Project, 245R12B585

**APPLICANT NAME:** County of San Luis Obispo, Department of Public Works
**ADDRESS:** County Government Center, Room 207, San Luis Obispo, CA 93408
**CONTACT PERSON:** Katie Drexhage, Environmental Programs Division

**Telephone: (805)** 781-4469

**PROPOSED USES/INTENT:** Request to approve the Subsequent Mitigated Negative Declaration for a project by the Department of Public Works to reinforce the El Camino Real at Santa Margarita Creek Bridge, Bridge No. 49C0310, to mitigate scour at bridge foundations. This project would result in the temporary disturbance of approximately 0.05 acres (2150 square feet) and the permanent disturbance of approximately 520 square feet north of the village of Garden Farms. The proposed project is within the Residential Suburban Land Use Category in the Salinas River Planning Area, Fifth Supervisorial District.

**LOCATION:** The proposed project is located on El Camino Real at Asuncion Road, approximately two miles southeast of the city limit of Atascadero, north of the village of Garden Farms.

**LEAD AGENCY:** **County of San Luis Obispo**
**Dept of Planning & Building**
**976 Osos Street, Rm. 200**
**San Luis Obispo, CA 93408-2040**

**Website: http://www.sloplanning.org**

**OTHER POTENTIAL PERMITTING AGENCIES:** None

**STATE CLEARINGHOUSE REVIEW: YES** ☒ **NO** ☐

**ADDITIONAL INFORMATION:** Additional information pertaining to this environmental Determination may be obtained by contacting the above Lead Agency address of (805)781-5600.

**COUNTY "REQUEST FOR REVIEW" PERIOD ENDS AT ..... 4:30 p.m. on January 26, 2012**

**30-DAY PUBLIC REVIEW PERIOD begins at the time of public notification**

## Notice of Determination

**State Clearinghouse No.** _____

This is to advise that the San Luis Obispo County_____ as ☐ *Lead Agency* ☐ *Responsible Agency* approved/denied the above described project on _____, and has made the following determinations regarding the above described project:

The project will not have a significant effect on the environment. A Negative Declaration was prepared for this project pursuant to the provisions of CEQA. Mitigation measures and monitoring were made a condition of the approval of the project. A Statement of Overriding Considerations was not adopted for this project. Findings were made pursuant to the provisions of CEQA.

This is to certify that the Negative Declaration with comments and responses and record of project approval is available to the General Public at the 'Lead Agency' address above.

| | Katie Drexhage | | County of San Luis Obispo |
|---|---|---|---|
| **Signature** | **Project Manager Name** | **Date** | **Public Agency** |

# El Camino Real at Santa Margarita Creek Bridge Scour Project
ED10-185 / 245R12B585

**MITIGATED NEGATIVE DECLARATION, NOTICE OF DETERMINATION, & INITIAL STUDY**


COUNTY OF SAN LUIS OBISPO
DEPARTMENT OF PLANNING AND BUILDING
ENVIRONMENTAL & RESOURCE MANAGEMENT DIVISION

County File Number: ED10-185 (245R12B585) SCH Number: _____

**COUNTY DEPARTMENT OF PUBLIC WORKS**
EL CAMINO REAL AT SANTA MARGARITA CREEK BRIDGESCOUR PROJECT
COUNTY OF SAN LUIS OBISPO
***SUBSEQUENT MITIGATED NEGATIVE DECLARATION & INITIAL STUDY***


Abstract

The Project is a proposal by the County of San Luis Obispo, Department of Public Works This item is a request to approve the Subsequent Mitigated Negative Declaration for a project by the Department of Public Works to reinforce the El Camino Real at Santa Margarita Creek Bridge, Bridge No. 49C0310, to mitigate scour at bridge foundations. This project would result in the temporary disturbance of approximately 0.05 acres (2150 square feet) and the permanent disturbance of approximately 520 square feet north of the village of Garden Farms. The proposed project is within the Residential Suburban Land Use Category in the Salinas River Planning Area, Fifth Supervisorial District. Comments on this document should be sent to Katie Drexhage, County Department of Public Works, County Government Center, San Luis Obispo, CA 93408.


The following persons may be contacted for additional information concerning this document:


Katie Drexhage, Environmental Programs Division
or
Matt Reinhart, Project Manager
County Department of Public Works
County Government Center, Room 207
San Luis Obispo, CA 93408
(805) 781-5262


This proposed Mitigated Negative Declaration has been issued by:

1·5·2012 Ellen Carroll
Date Ellen Carroll, Environmental Coordinator
County of San Luis Obispo

The project proponent, who agrees to implement the mitigation measures for the project, is:

12/22/2011 Paavo Ogren
Date Paavo Ogren, Director of Public Works
County of San Luis Obispo

# Initial Study Summary – Environmental Checklist

SAN LUIS OBISPO COUNTY DEPARTMENT OF PLANNING AND BUILDING
976 OSOS STREET • ROOM 200 • SAN LUIS OBISPO • CALIFORNIA 93408 • (805) 781-5600

***Promoting the Wise Use of Land • Helping to Build Great Communities***

(ver 3.4) Using Form

**Project Title & No.** Public Works - **El Camino Real at Santa Margarita Creek Bridge Scour Project ED10-185 245R12B585**

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:** The proposed project could have a "Potentially Significant Impact" for at least one of the environmental factors checked below. Please refer to the attached pages for discussion on mitigation measures or project revisions to either reduce these impacts to less than significant levels or require further study.

| | | |
|---|---|---|
| ☐ Aesthetics | ☒ Geology and Soils | ☐ Recreation |
| ☐ Agricultural Resources | ☐ Hazards/Hazardous Materials | ☐ Transportation/Circulation |
| ☒ Air Quality | ☒ Noise | ☐ Wastewater |
| ☒ Biological Resources | ☐ Population/Housing | ☒ Water |
| ☐ Cultural Resources | ☐ Public Services/Utilities | ☐ Land Use |

**DETERMINATION:** (To be completed by the Lead Agency)

On the basis of this initial evaluation, the Environmental Coordinator finds that:

☐ The proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

☒ Although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

☐ The proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

☐ The proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.

☐ Although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Katie Drexhage, Environmental Resource Specialist — 12·12·11
Prepared by (Print) — Signature — Date

John Nall — Ellen Carroll, Environmental Coordinator (for) — 12/12/11
Reviewed by (Print) — Signature — Date

**Project Environmental Analysis**

The County's environmental review process incorporates all of the requirements for completing the Initial Study as required by the California Environmental Quality Act (CEQA) and the CEQA Guidelines. The Initial Study includes staff's on-site inspection of the project site and surroundings and a detailed review of the information in the file for the project. In addition, available background information is reviewed for each project. Relevant information regarding soil types and characteristics, geologic information, significant vegetation and/or wildlife resources, water availability, wastewater disposal services, existing land uses and surrounding land use categories and other information relevant to the environmental review process are evaluated for each project. Exhibit A includes the references used, as well as the agencies or groups that were contacted as a part of the Initial Study. The Environmental Division uses the checklist to summarize the results of the research accomplished during the initial environmental review of the project.

Persons, agencies or organizations interested in obtaining more information regarding the environmental review process for a project should contact the County of San Luis Obispo Environmental Division, Rm. 200, County Government Center, San Luis Obispo, CA, 93408-2040 or call (805) 781-5600.

## A. PROJECT

DESCRIPTION: Request by the San Luis Obispo County Public Works Department to reinforce the El Camino Real at Santa Margarita Creek Bridge, Bridge No. 49C0310, to mitigate scour at bridge foundations. This project would result in the temporary disturbance of approximately 0.05 acres (2150 square feet) and the permanent disturbance of approximately 520 square feet, and is located on El Camino Real at Asuncion Road, approximately two miles southeast of the city limit of Atascadero, north of the village of Garden Farms.

The bridge is a reinforced concrete deck with AC overlay on rolled steel beams on reinforced concrete seat abutments and three riveted steel column bents with rolled steel caps. The abutments are on unknown foundations and the bents are on spread footings. The bridge was constructed in 1930 and scour has exposed the full length with undercutting into the soft, sandstone bedrock at Bent 2 to approximately 3-feet and at Bent 3 to approximately 1-foot. The scour mitigation for this project includes:

- Removal of loose material and soft, weathered sandstone around the scoured portion of the pier.
- Inject 4-sack grout under Bents (pier) 2 & 3
- Creek work including diversion and dewatering.

This project would result in the temporary disturbance of approximately 0.05 acres (2150 square feet) and the permanent disturbance of approximately 520 square feet.

Creek Diversion and Dewatering

The scour mitigation would be done in the summer months when flows in Santa Margarita Creek are at a minimum. Prior to constructing the scour countermeasure, a portion of Santa Margarita Creek measuring 33 feet wide by 90 feet long may need to be dewatered.

If the creek is flowing a diversion will be installed and the work area dewatered. Upstream from the bridge, gravel bags will be lined up from the rock outcropping on the north bank to the south bank. A plastic or polyethylene sheeting will be wrapped around the gravel bag stack to prevent water from leaking through. A 12-inch HDPE pipe will run through the stack of bags, between Piers 2 and 3, and discharge over the falls approximately 90 feet to the northeast at the downstream rock outcropping. Water in the work area will be pumped through a filter prior to entering the creek downstream of the work area.

If the creek is not flowing a diversion will not be installed. Any water in the work area will be pumped through a filter prior to entering the creek downstream of the work area. Dewatering plans are attached.

Channel Excavation

The proposed project would involve excavating loose sediment from below the footings. Excavation will continue approximately 1' into the surrounding bedrock to act as a key. The sediment and sandstone removed as part of the excavation (approximately 31 cubic yards) will be removed from the site and properly disposed of. Creek bedding material that may be deposited in the channel within the work area will be temporarily stockpiled and used to restore the creek channel to its original condition.

Filling Scour Cavities

Dowels would be drilled and cemented at various locations along the bottoms of the piers or bents in the area of the scour cavities. 4-sack grout will be pumped into the cavity in an attempt replace the missing sandstone bedrock and prevent further undermining of the structure.

Equipment Access and Staging

The County anticipates the need to gain temporary equipment access into the creek channel to complete the excavation. A mini track mounted excavator will excavate the material and a small skid steer will transport excess material up the northwest bank. A temporary construction easement will be required for the temporary equipment access.

An access ramp will allow the equipment to reach the scour area from Santa Margarita Road to the northwest. Approximately 95 cubic yards of fill will be required to bring the equipment down a 10-foot high slope. The access road will be roughly 10 feet wide and slope at about 2 to 1. Approximately 4 trees will be removed in order to create access to the Project site: one 4-inch dbh California black walnut (*Juglans californica*), two mutli-trunk arroyo willows (*Salix lasiolepis*) and one 6-inch arroyo willow.

Potential equipment staging and access would occur on APN 059-491-001 (refer to attached Staging Area aerial photograph).

ASSESSOR PARCEL NUMBER(S): 059-531-001, -007, 059-491-001

Latitude: 35 degrees 25' 43" N Longitude: 120 degrees 36' 17" W SUPERVISORIAL DISTRICT # 5

## B. EXISTING SETTING

PLANNING AREA: Salinas River, Rural

LAND USE CATEGORY: Residential Suburban

COMBINING DESIGNATION(S): Flood Hazard

EXISTING USES: Accessory structures

TOPOGRAPHY: Gently sloping to gently sloping

VEGETATION: Riparian , oak woodland

PARCEL SIZE: 3.52 acres

SURROUNDING LAND USE CATEGORIES AND USES:

| | |
|---|---|
| *North:* Residential Suburban; residential agricultural uses | *East:* Residential Suburban; residential agricultural uses |
| *South:* Agriculture; undeveloped | *West:* Residential Suburban; residential |

## C. ENVIRONMENTAL ANALYSIS

During the Initial Study process, several issues were identified as having potentially significant environmental effects (see following Initial Study). Those potentially significant items associated with the proposed uses can be minimized to less than significant levels.

## COUNTY OF SAN LUIS OBISPO
## INITIAL STUDY CHECKLIST

| 1. | **AESTHETICS** - ***Will the project:*** | **Potentially Significant** | **Impact can & will be mitigated** | **Insignificant Impact** | **Not Applicable** |
|---|---|---|---|---|---|
| *a)* | ***Create an aesthetically incompatible site open to public view?*** | ☐ | ☐ | ☐ | ☒ |
| *b)* | ***Introduce a use within a scenic view open to public view?*** | ☐ | ☐ | ☐ | ☒ |
| *c)* | ***Change the visual character of an area?*** | ☐ | ☐ | ☐ | ☒ |
| *d)* | ***Create glare or night lighting, which may affect surrounding areas?*** | ☐ | ☐ | ☐ | ☒ |
| *e)* | ***Impact unique geological or physical features?*** | ☐ | ☐ | ☐ | ☒ |
| *f)* | ***Other:_____*** | ☐ | ☐ | ☐ | ☐ |

**Setting.** The Project site is located within the channel of Santa Margarita Creek and is surrounded by developed properties. The area immediately adjacent to the creek experiences occasional foot traffic by people who visit the creek for recreational purposes, typically during summer months. The Project will not be visible from any major public roadway or silhouette against any ridgelines as viewed from public roadways. The Project will be located under the bridge. The Project is considered compatible with the surrounding uses. Minor trimming of trees and the removal of four trees (one walnut, and three willows) in not anticipated to impact the visual character of the area due to the existing dense vegetation surrounding and throughout the Project site.

The Project will temporarily impact visual resources if the public uses the creek for recreational purposes. However, for safety reasons, the project site will be closed to the public during work activities which are anticipated to last no longer than 5 days.

Although the Project will result in some filling of bedrock, impacts to unique geological or physical features are not anticipated.

**Impact.** No significant visual impacts are expected to occur.

**Mitigation/Conclusion.** No impacts to aesthetics were identified and no mitigation measures are necessary.

| 2. | **AGRICULTURAL RESOURCES** - ***Will the project:*** | **Potentially Significant** | **Impact can & will be mitigated** | **Insignificant Impact** | **Not Applicable** |
|---|---|---|---|---|---|

| 2. AGRICULTURAL RESOURCES - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| a) *Convert prime agricultural land to non-agricultural use?* | ☐ | ☐ | ☐ | ☒ |
| b) *Impair agricultural use of other property or result in conversion to other uses?* | ☐ | ☐ | ☐ | ☒ |
| c) *Conflict with existing zoning or Williamson Act program?* | ☐ | ☐ | ☐ | ☒ |
| d) *Other:* _____ | ☐ | ☐ | ☐ | ☒ |

**Setting**. Project Elements. The following area-specific elements relate to the property's importance for agricultural production:

Land Use Category: Residential Suburban

State Classification: Farmland of Statewide Importance, Prime Farmland if irrigated

Historic/Existing Commercial Crops: None

In Agricultural Preserve? No

Under Williamson Act contract? No

The soil type(s) and characteristics on the subject property include:

Hanford and Greenfield fine sandy loams (2 - 9% slope).

Hanford. This gently sloping, coarse loamy bottom soil is considered moderately drained. The soil has moderate erodibility and low shrink-swell characteristics, as well as having potential septic system constraints due to: no severe limitations identified. The soil is considered Class IV without irrigation and Class II when irrigated.

Greenfield. This gently sloping, coarse loamy bottom soil is considered moderately drained. The soil has moderate erodibility and low shrink-swell characteristics, as well as having potential septic system constraints due to: no severe limitations identified. The soil is considered Class IV without irrigation and Class II when irrigated.

Still clay loam (0 - 2% slope). This nearly level soil is considered moderately drained. The soil has moderate erodibility and moderate shrink-swell characteristics, as well as having potential septic system constraints due to: slow percolation. The soil is considered Class IV without irrigation and Class I when irrigated.

**Impact.** The Project is located in a predominantly non-agricultural area with no agricultural activities occurring on the property or immediate vicinity and will primarily affect creek bottom and banks. No significant impacts to agricultural resources are anticipated.

**Mitigation/Conclusion.** No impacts to agricultural resources were identified and no mitigation measures are necessary.

| 3. AIR QUALITY - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|

| 3. AIR QUALITY - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| a) *Violate any state or federal ambient air quality standard, or exceed air quality emission thresholds as established by County Air Pollution Control District?* | ☐ | ☒ | ☐ | ☐ |
| b) *Expose any sensitive receptor to substantial air pollutant concentrations?* | ☐ | ☐ | ☐ | ☒ |
| c) *Create or subject individuals to objectionable odors?* | ☐ | ☐ | ☐ | ☒ |
| d) *Be inconsistent with the District's Clean Air Plan?* | ☐ | ☐ | ☐ | ☒ |
| e) *Other:* _____ | ☐ | ☐ | ☐ | ☐ |

**Setting.** The Air Pollution Control District (APCD) has developed the 2009 CEQA Air Quality Handbook to evaluate project specific impacts and help determine if air quality mitigation measures are needed, or if potentially significant impacts could result. To evaluate long-term emissions, cumulative effects, and establish countywide programs to reach acceptable air quality levels, a Clean Air Plan has been adopted (prepared by APCD).

Greenhouse Gas Emissions
The California Air Resources Board (CARB), the California Environmental Protection Agency, and other governmental agencies with jurisdiction are in the process of developing guidelines and thresholds to address a Project's cumulative contribution to greenhouse gas (GHG). Over the last few years, a series of related legislative acts have been made relating to this issue. There are seven greenhouses gases, as follows, and are in order of their global warming potential: Carbon dioxide, Methane, Nitrous oxide, Chlorofluorocarbons, Hydrofluorocarbons, Perfluorocarbons, and Sulfur hexafluoride.

**Impact.** As proposed, the Project will result in the temporary disturbance of approximately 2,150 square feet (0.05 acre). This will result in the creation of construction dust, as well as short- and long-term vehicle emissions. The Project proposes to disturb soils that have been given a wind erodibility rating of three to six, which is considered "low to moderately high." The Project is consistent with the general level of development anticipated and projected in the Clean Air Plan. No significant air quality impacts are expected to occur.

*Construction Vehicle Emissions*
The use of heavy-duty diesel vehicles would be required during the construction of the proposed Project. The CARB lists diesel exhaust as a toxic air contaminant, with no identified threshold below which no effects are expected. The release of emissions from vehicles during construction could result in potentially significant air quality impacts.

Additionally, the Project will not result in the demolition of asbestos-containing materials. The Project will disturb the channel of Santa Margarita Creek which is not expected to contain asbestos or naturally occurring asbestos (e.g., serpentine rock). The Project will not create hydrocarbon contaminated soil. To prevent hydrocarbon contaminated soil, all fueling and maintenance of vehicles

and other equipment and staging areas shall occur at least 20 meters from any riparian habitat or water body. Additionally, prior to the onset of work, the County shall ensure that the contractor has prepared a plan to allow a prompt and effective response to accidental spills. All workers shall be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.

**Mitigation/Conclusion.** The Project's cumulative contribution to GHG emissions is relatively very small and considered insignificant. At this time, further analyses of this Project's impacts are considered overly speculative given that there is no empirical evidence available at the present to evaluate this issue further under CEQA for individual or cumulative impacts, nor a statewide cumulative assessment on how new development is expected to achieve 1990 emission levels. At such time that GHG guidelines and/or thresholds are established by the CARB, additional mitigation may be appropriate.

During construction and ground-disturbing activities, the County shall implement the following dust control measure. This measure shall be shown on Project plans. Implementation of this measure would reduce potential air quality impacts to less than significant levels.

[AQ1] During construction/ground disturbing activities, the contractor shall implement the following particulate (dust) control measures. These measures will be included in the contract special provisions. In addition, the contractor shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust off site. Their duties shall include holiday and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the APCD prior to commencement of construction.

a. Reduce the amount of disturbed area where possible.

b. Prevent airborne dust from leaving the site.

c. Control dust from all dirt stock pile areas.

d. Implement revegetation (i.e., hydro seeding) as soon as possible following completion of any soil disturbing activities.

e. Exposed ground areas that are planned to be reworked at dates greater then one month after initial grading shall be subject to dust control measures (watering, etc.) or shall be sown with a fast germinating native grass seed and watered until a temporary vegetative cover is established.

f. All trucks hauling dirt, sand, soil, or other loose materials are to be covered or should maintain at least two feet of freeboard (minimum vertical distance between top of load and top of trailer) in accordance with California Vehicle Code Section 23114.

g. Ensure that trucks and equipment leaving the site do not carry soil material onto adjacent paved roads; clean adjacent paved roads at the end of each day if visible soil material is carried from the site onto those roads.

| **4. BIOLOGICAL RESOURCES -** ***Will the project:*** | **Potentially Significant** | **Impact can & will be mitigated** | **Insignificant Impact** | **Not Applicable** |
|---|---|---|---|---|

| 4. BIOLOGICAL RESOURCES - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| a) *Result in a loss of unique or special status species or their habitats?* | ☐ | ☒ | ☐ | ☐ |
| b) *Reduce the extent, diversity or quality of native or other important vegetation?* | ☐ | ☐ | ☐ | ☒ |
| c) *Impact wetland or riparian habitat?* | ☐ | ☒ | ☐ | ☐ |
| d) *Introduce barriers to movement of resident or migratory fish or wildlife species, or factors, which could hinder the normal activities of wildlife?* | ☐ | ☒ | ☐ | ☐ |
| e) *Other:* _____ | ☐ | ☐ | ☐ | ☐ |

**Setting**. The Project is located in the streambed of Santa Margarita Creek below the El Camino Real Bridge (No. 49C0310). This portion of the creek has been known to dry down during the summer months, although deep pools of water may remain year-round. This area of the creek is often frequented by people for swimming and other recreational activities.

The California Natural Diversity Data Base (CNDDB) was accessed for information on sensitive plant, invertebrate, and wildlife species known to occur in the action area and its vicinity (CNDDB 2011). A search radius of the USGS Santa Margarita Quadrangle and 8 surrounding quadrangles was used to create a list of sensitive species with the potential to occur within or near the Project site. The habitat requirements of each species were considered and can be found in Appendix A.

Protocol-level surveys for California red-legged frogs (*Rana draytonii*) were conducted by County Public Works Environmental Resource Specialists in April through August of 2011. Surveys for sensitive and listed floral species were also conducted during blooming periods.

RESULTS

The Project site provides habitat for steelhead trout, South Central California Coast ESU, (*Onchorynchus mykiss*). Swallow nests and bat activity were noted under the bridge. No California red-legged frogs were detected during protocol-level surveys. Steelhead trout were observed within Santa Margarita Creek a number of times and 1 California toadlet (*Anaxyrus boreas halophilus*) was identified on the southeast bank. Swallow nests were noted under the bridge, above the project site in multiple areas. Bat guano was discovered at the north end of the bridge during one site visit, indicating occasional roosting. Other species identified during survey efforts include tree frogs (*Pseudacris regilla*), one bullfrog (*Rana catesbeiana*), sculpin (*Cottus* sp.), and crayfish.

The Project site is surrounded by riparian and ruderal habitat. No listed or sensitive floral species were detected during field surveys. Downstream (east) of the project site, deep pools and water falls have formed, making it difficult for human passage. A deep pool that is often used as a swimming hole is located immediately upstream of the project site. Further upstream is dense vegetation and a beaver dam which has blocked creek flow.

REGULATORY REQUIREMENTS

The Project will permanently impact approximately 520 square feet of streambed as a result of the

scour repair. The Project site falls within the regulatory jurisdiction of the U.S. Army Corps of Engineers (ACOE), California Regional Water Quality Control Board (RWQCB), and California Department of Fish and Game (CDFG). Prior to commencement of work within the stream bed and banks, permits from these agencies must be secured. Additionally, due to the potential impact to federally listed species, formal consultation with the National Marine Fisheries Service (NMFS) may occur if the ACOE deems it necessary.

**Impact.** The Project will result in the temporary disturbance of Santa Margarita Creek channel within the Project site. Some riparian habitat may be temporarily impacted in order to access the Project site. The Project site may require dewatering.

Steelhead trout, nesting swallows, and bats and/or their habitats may be impacted by proposed construction activities including implementation of the creek diversion and dewatering plan. During the diversion and dewatering phase of the Project, steelhead trout may be stranded within the shrinking pools of the Project site. Indirect project-related impacts to sensitive aquatic resources including discharge of pollutants (i.e. mechanical fuels, oils, sediments, etc.) into their habitat and the waters of Santa Margarita Creek may result from grading and construction activities within the proposed project area. Trees will be trimmed to create access to the Project site and four trees will be removed to create an access road. The access road may result in the removal of one 4" walnut, one 6" willow, and two multi-trunk willows. Implementing the typical California Department of Fish and Game Streambed Alteration Agreement permit condition which requires a 3:1 mitigation ratio for all trees removed with a 3" dbh or more will offset impacts to trees.

Appropriate Project timing and site dewatering would minimize potential adverse effects to these species and would reduce temporary impacts to their habitats. With the implementation of avoidance and minimization measures such as preconstruction surveys, relocation efforts, and dewatering activities, this Project will have minimal, temporary effect on listed and sensitive species and their habitat. No adverse cumulative effects on biological resources are anticipated to occur as a result of this project. Avoidance and minimization measures proposed will reduce the potential for the Project to negatively affect habitat within the Project site.

**Mitigation/Conclusion.** The following mitigation measures will reduce the identified biological impacts to a level of insignificance.

[BR-1] Prior to construction, the County shall obtain all necessary permits, approvals, and authorizations from jurisdictional agencies. These may include, but may not be limited to: (1) ACOE, Section 404 Nationwide Permit 43; (2) RWQCB, Section 401 Water Quality Certification; and (3) CDFG, Section 1602 Streambed Alteration Agreement for activities within the tops of banks or outer edges of riparian canopies (whichever is furthest from the streambed) of Santa Margarita Creek. The County shall adhere to all conditions included within these permits, approvals, and authorizations.

[BR-2] Prior to construction, all riparian and wetland areas shall be shown on all construction plans. All riparian vegetation planned for trimming shall be specified and shown on the construction plans.

[BR-3] During project activities, all trash that may attract predators shall be properly contained, removed from the work sites and disposed of regularly. Following construction, all trash and construction debris shall be removed from work areas.

[BR-4] To the extent practicable, construction activities within or adjacent to Santa Margarita Creek shall be conducted during the dry season (May 1 through November 1). This will reduce

potential impacts to aquatic and semi-aquatic species that might be using the creeks and associated vegetation as movement/dispersal corridors.

[BR-5] If determined to be necessary by the ACOE (lead federal agency), the ACOE will consult with NMFS on behalf of the County for impacts to steelhead. The County will adhere to all conditions included within the Biological Opinions issued for the project.

[BR-6] Before any construction activities begin on the project, a biologist shall conduct a training session for all construction personnel. The training session shall include a description of species that may be encountered during construction, the importance of these species and their habitat, the general measures that are being implemented to conserve these species as they relate to the project, and the boundaries within which the project may be accomplished. Brochures, books, and briefings may be used in the training session, provided that a qualified person is on hand to answer any questions.

[BR-7] All fueling and maintenance of vehicles and other equipment and staging areas shall occur at least 20 meters from any riparian habitat or water body. The County shall ensure contamination of habitat does not occur during such operations. Prior to the onset of work, the County shall ensure that the contractor has prepared a plan to allow a prompt and effective response to accidental spills. All workers shall be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.

[BR-8] Prior to site disturbance, the County shall print Best Management Practices (BMPs) on all applicable construction plans. BMPs shall be implemented prior to, during, and following construction activities. Measures shall include, but not be limited to the following:

a. Silt fencing shall be placed along the down-slope side of the construction zone.
b. A spill and clean-up kit shall be stored onsite at all times.
c. Temporary and permanent erosion and sedimentation measures shall be implemented (e.g., silt fencing, hay bales, straw wattles, etc.).

[BR-9] During construction, if the work site is to be temporarily dewatered by pumping, intakes shall be completely screened with wire mesh not larger than five millimeters (5 mm) to prevent California red-legged frogs and steelhead from entering the pump system. Water shall be released or pumped downstream at an appropriate rate to maintain downstream flows during construction. Upon completion of construction activities, any barriers to flow shall be removed in a manner that would allow flow to resume with the least disturbance to the substrate.

[BR-10] If a temporary culvert is placed in Santa Margarita Creek, it shall be sized and placed appropriately to allow fish passage throughout construction (maintain 6 inches of depth in the culvert).

[BR-11] If construction activities are conducted during the typical nesting bird season (February 15 – September 15$^{th}$), preconstruction surveys shall be conducted by the County-approved biologist or County Environmental Resource Specialist prior to any construction activity or vegetation trimming to identify potential bird nesting activity, and:

a. If active nest sites of bird species protected under the Migratory Bird Treaty Act (MBTA) are observed within the vicinity of the project sites, then the projects shall be modified and/or delayed as necessary to avoid direct take of the identified nests, eggs, and/or young;
b. If active nest sites of raptors and/or bird species of special concern are observed within the vicinity of either project site, then CDFG shall be contacted to establish the appropriate buffer around the nest site. Construction activities in the buffer zone shall be

prohibited until the young have fledged the nest and achieved independence; and

c. Active nests shall be documented by a qualified biologist and a letter-report shall be submitted to the County, USFWS, and CDFG, documenting project compliance with the MBTA and applicable project mitigation measures.

[BR-12] Only Service-approved biological monitors shall be authorized to conduct steelhead relocation efforts. The biological monitor shall be present during both the installation and removal of the creek diversion structure.

[BR-13] To avoid inadvertent impacts to steelhead and nesting birds during grading and site disturbance activities, a biological monitor will conduct preconstruction surveys in Santa Margarita Creek and adjacent areas within the Project site, conduct construction employee training prior to site disturbance and continue monitoring during grading and construction activities.

[BR-14] A Habitat Mitigation and Monitoring Plan will be prepared and will include specific measures for restoration and revegetation of all temporarily disturbed areas. The Plan will include protection measures, standards for revegetation, a monitoring program to ensure proper implementation and maintenance of restored areas, and performance criteria to determine success. In addition to the mitigation plan, the County Department of Public Works shall prepare and implement an erosion, sedimentation, and pollution prevention plan including measures to avoid discharges into Santa Margarita Creek.

[BR-15] The County shall document the number and species of all riparian woody-stemmed plants in excess of 4 inches DBH that are removed or are damaged during construction. Riparian trees and shrubs with a DBH of 3 inches or greater that are damaged or removed shall be replaced by replanting like species at a 3:1 ratio (replaced to lost). Mitigation for heritage trees 24-inches or greater shall require replanting of like species at a 10:1 ratio. This documentation shall be used as the basis for replacement mitigation.

| **5. CULTURAL RESOURCES -** ***Will the project:*** | **Potentially Significant** | **Impact can & will be mitigated** | **Insignificant Impact** | **Not Applicable** |
|---|---|---|---|---|
| ***a) Disturb pre-historic resources?*** | ☐ | ☐ | ☐ | ☒ |
| ***b) Disturb historic resources?*** | ☐ | ☐ | ☐ | ☒ |
| ***c) Disturb paleontological resources?*** | ☐ | ☐ | ☐ | ☒ |
| ***d) Other:*** _____ | ☐ | ☐ | ☐ | ☐ |

**Setting.** The project is located in an area historically occupied by the Obispeño Chumash and Salinan. The project area is considered sensitive for cultural resources due to its close proximity to Santa Margarita Creek. Some site types are more closely associated with water (such as long-term living or village areas) than others. Prehistoric cultural features not associated with water include many ritual areas, trails, quarry areas, rock art sites, cemeteries, hunting blinds, defensive areas, and others. There are many sites located near extinct water sources. Springs, streams, and creeks come and go over time, and creeks and rivers change their course over time.

The proposed project takes place in the active channel of Santa Margarita Creek. A cultural resources survey of the Santa Margarita Creek floodplain and staging area was conducted by the Public Works archaeologist on November 21, 2011. Additionally, the upper banks of the project area

were surveyed for the Nacimeinto Water Project in 2008. No cultural resources were found in the subject project area. No historic structures are present. Paleontological resources were observed in the channel and banks. A fossilized shellbed overlies portions of the sandstone formation which creates the large pools in the area. The project as proposed will not affect this resource.

**Impact.** The project is considered culturally sensitive because of its proximity to the creek. An access road on the northwest bank will be created to facilitate work activities. The road would require grading (approximately 100 yards) and placement of approximately 50 to 75 yards of native material. No evidence of cultural materials was noted in the project area by County staff archaeologist during surveys. Impacts to historical or paleontological resources are not expected. No impacts to cultural resources are anticipated.

**Mitigation/Conclusion.** No significant impacts to cultural resources are anticipated, and no mitigation measures are necessary.

| 6. GEOLOGY AND SOILS - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| a) *Result in exposure to or production of unstable earth conditions, such as landslides, earthquakes, liquefaction, ground failure, land subsidence or other similar hazards?* | ☐ | ☐ | ☐ | ☒ |
| b) *Be within a California Geological Survey "Alquist-Priolo" Earthquake Fault Zone"?* | ☐ | ☐ | ☐ | ☒ |
| c) *Result in soil erosion, topographic changes, loss of topsoil or unstable soil conditions from project-related improvements, such as vegetation removal, grading, excavation, or fill?* | ☐ | ☒ | ☐ | ☐ |
| d) *Change rates of soil absorption, or amount or direction of surface runoff?* | ☐ | ☐ | ☐ | ☒ |
| e) *Include structures located on expansive soils?* | ☐ | ☐ | ☐ | ☒ |
| f) *Change the drainage patterns where substantial on- or off-site sedimentation/ erosion or flooding may occur?* | ☐ | ☐ | ☐ | ☒ |
| g) *Involve activities within the 100-year flood zone?* | ☐ | ☒ | ☐ | ☐ |
| h) *Be inconsistent with the goals and policies of the County's Safety Element relating to Geologic and Seismic Hazards?* | ☐ | ☐ | ☐ | ☒ |

| 6. GEOLOGY AND SOILS - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *i) Preclude the future extraction of valuable mineral resources?* | ☐ | ☐ | ☐ | ☒ |
| *j) Other:* _____ | ☐ | ☐ | ☐ | ☐ |

**Setting**

GEOLOGY - The following relates to the project's geologic aspects or conditions:

Topography: Nearly level to gently sloping

Within County's Geologic Study Area?: No

Landslide Risk Potential: Low to moderate

Liquefaction Potential: Low to moderate

Nearby potentially active faults?: Yes Distance? 0.2 miles to the east

Rinconada-East Huasna Fault

The East Huasna Fault is located approximately 0.2 miles east of the project. This fault extends north-northwest from Sisquoc in Santa Barbara County until it joins the Rinconada fault about 15 miles east of the city of San Luis Obispo. The East Huasna Fault is a nearly vertical or steeply dipping reverse fault that displaces Quaternary deposits. The northern extension of the East Huasna Fault joins the Rinconada Fault, which projects north-northwest, eventually following the western edge of the Salinas Valley up to Monterey Bay. Although the California Geological Survey classifies the Rinconada Fault as exhibiting Quaternary movement, recent studies for the Santa Ysabel Ranch in Paso Robles and the Chicago Grade Landfill in Templeton have shown features that suggest Holocene movement. No ground rupture has been mapped in Holocene time on the Rinconada fault, although there have been historical small to moderate earthquakes (<5.9 magnitude) that have been recorded in the vicinity of the fault. It is possible that the shock waves produced by these small earthquakes did not have enough energy to break the ground surface or cause any displacement within the surface materials. The Rinconada Fault is considered capable of generating a maximum Mw 7.3 earthquake.

Area known to contain serpentine or ultramafic rock or soils?: Unlikely, outcrop 2.3 miles to the southwest.

Shrink/Swell potential of soil: Low to moderate

Other notable geologic features? None

DRAINAGE – The following relates to the project's drainage aspects:

Within the 100-year Flood Hazard designation? Yes

Closest creek? Santa Margarita Creek Distance? Courses through project site

Soil drainage characteristics: Moderately drained

As described in the NRCS Soil Survey, the project's soil erodibility is as follows:

Soil erodibility: Low to moderate

**Impact.** As proposed, the Project will result in a temporary disturbance of approximately 2150 square feet and a permanent disturbance of 520 square feet as a result of scour repair under an existing bridge. From a soils and geology standpoint, it is expected that the scour repair activities will enhance

soil stability and prevent further erosion and incision of the creek bed. Some soil erosion, topographic changes, loss of topsoil or unstable soil conditions may result from Project construction activities; however, these impacts would be mitigated for and temporary in nature.

**Mitigation/Conclusion.** No significant impacts to geology and soils were identified in association with the proposed Project and no mitigation measures beyond the Best Management Practices for sediment and erosion control listed under the Biological Resources section (BR-9) are necessary.

| 7. HAZARDS & HAZARDOUS MATERIALS - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *a) Result in a risk of explosion or release of hazardous substances (e.g. oil, pesticides, chemicals, radiation) or exposure of people to hazardous substances?* | ☐ | ☐ | ☒ | ☐ |
| *b) Interfere with an emergency response or evacuation plan?* | ☐ | ☐ | ☐ | ☒ |
| *c) Expose people to safety risk associated with airport flight pattern?* | ☐ | ☐ | ☐ | ☒ |
| *d) Increase fire hazard risk or expose people or structures to high fire hazard conditions?* | ☐ | ☐ | ☐ | ☒ |
| *e) Create any other health hazard or potential hazard?* | ☐ | ☐ | ☐ | ☒ |
| *f) Other:* _____ | ☐ | ☐ | ☐ | ☐ |

**Setting.** The Project is not located in an area of known hazardous material contamination. With regards to potential fire hazards, the proposed Project is within the "high" Fire Hazard Severity Zone(s). Based on the County's fire response time map, it will take approximately 15-20 minutes to respond to a call regarding fire or life safety. Refer to the Public Services section for further discussion on Fire Safety impacts. The Project is not within the Airport Review area. The proposed Project is within the 100-year Flood Hazard Combining designation.

**Impact**. The Project will temporarily introduce potentially hazardous materials into the area in the form of fuel in construction equipment. A spill and clean-up kit will be stored onsite at all times. All fueling and maintenance of vehicles and other equipment and staging areas will occur at least 20 meters from any riparian habitat or water body. Prior to the onset of work, the County will ensure that the contractor has prepared a plan to allow a prompt and effective response to accidental spills. All workers will be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.

The Project does not present a significant fire safety risk. The Project is not expected to conflict with any regional evacuation plan. The Project will be conducted during the dry season when flooding will not be an issue. The Project will be temporary in nature; therefore, the fire hazard zone will not affect project design. Because there are no structures within the work site, the risk of a harmful incident is

low.

**Mitigation/Conclusion.** No significant hazards or hazardous materials were identified in association with the proposed Project and no mitigation measures beyond the fuel and lubricant handling precautions listed under the Biological Resources section are necessary.

| 8. NOISE - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *a) Expose people to noise levels that exceed the County Noise Element thresholds?* | ☐ | ☐ | ☐ | ☒ |
| *b) Generate increases in the ambient noise levels for adjoining areas?* | ☐ | ☒ | ☐ | ☐ |
| *c) Expose people to severe noise or vibration?* | ☐ | ☐ | ☒ | ☐ |
| *d) Other: _____* | ☐ | ☐ | ☐ | ☐ |

**Setting.** The Project site is located within the Santa Margarita Creek channel which is bordered by residential housing, agricultural fields, and a convalescent home.

**Impact.** Noise impacts resulting from construction will be of a short duration, during normal work hours, and temporary in nature. It is not expected that County noise standards will be exceeded as a result of the project. The County will abide by this time-frame during all project activities. The Project is not expected to generate loud noises, nor conflict with the surrounding uses.

**Mitigation/Conclusion.** The following mitigation measure will reduce the identified noise impacts to a level of insignificance.

[N-1] Construction activities will not take place before 7 a.m. or after 9 p.m. on any day except Saturday or Sunday, or before 8 a.m. or after 5 p.m. on Saturday or Sunday.

| 9. POPULATION/HOUSING - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *a) Induce substantial growth in an area either directly or indirectly (e.g., through projects in an undeveloped area or extension of major infrastructure)?* | ☐ | ☐ | ☐ | ☒ |
| *b) Displace existing housing or people, requiring construction of replacement housing elsewhere?* | ☐ | ☐ | ☐ | ☒ |
| *c) Create the need for substantial new housing in the area?* | ☐ | ☐ | ☐ | ☒ |
| *d) Use substantial amount of fuel or energy?* | ☐ | ☐ | ☐ | ☒ |

| 9. POPULATION/HOUSING - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *e) Other:* _____ | ☐ | ☐ | ☐ | ☐ |

**Impact**. The Project will not result in a need for new housing and will not displace existing housing.

**Mitigation/Conclusion.** No significant population and housing impacts are anticipated. No mitigation measures are necessary. Additionally, the Project will not result in substantial use of fuel or energy.

| 10. PUBLIC SERVICES/UTILITIES - *Will the project have an effect upon, or result in the need for new or altered public services in any of the following areas:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *a) Fire protection?* | ☐ | ☐ | ☐ | ☒ |
| *b) Police protection (e.g., Sheriff, CHP)?* | ☐ | ☐ | ☐ | ☒ |
| *c) Schools?* | ☐ | ☐ | ☐ | ☒ |
| *d) Roads?* | ☐ | ☐ | ☐ | ☒ |
| *e) Solid Wastes?* | ☐ | ☐ | ☐ | ☒ |
| *f) Other public facilities?* | ☐ | ☐ | ☐ | ☒ |
| *g) Other:* _____ | ☐ | ☐ | ☐ | ☐ |

**Setting.** The project area is served by the following public services/facilities:

Police: County Sheriff Location: Templeton (Approximately 10.15 miles to the northeast)

Fire: Cal Fire (formerly CDF) Hazard Severity: High Response Time: 15-20 minutes

Location: Approximately 3.6 miles to the southeast

School District: Atascadero Unified School District.

**Impact**. No significant Project-specific impacts to utilities or public services were identified. This Project is not anticipated to have an effect on police and fire protection, and schools.

**Mitigation/Conclusion.** No impacts to services was identified and no mitigations are required.

| 11. RECREATION - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *a) Increase the use or demand for parks or other recreation opportunities?* | ☐ | ☐ | ☐ | ☒ |

| 11. RECREATION - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *b) Affect the access to trails, parks or other recreation opportunities?* | ☐ | ☐ | ☐ | ☒ |
| *c) Other* _____ | ☐ | ☐ | ☐ | ☐ |

**Setting.** Based on the County Trails Map, the Project is within reasonably close proximity to the Juan Batista De Anza National Historic Trail.

**Impact**. The proposed Project will not create a significant need for additional park, Natural Area, and/or recreational resources. This area of the creek is often frequented by people for swimming and other recreational activities. The Project may temporarily disrupt these activities during construction, but the disruption is not anticipated to be significant due to the short time-frame of the Project (approximately 5 days).

**Mitigation/Conclusion**. No significant recreation impacts are anticipated, and no mitigation measures are necessary.

| 12. TRANSPORTATION/ CIRCULATION - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *a) Increase vehicle trips to local or areawide circulation system?* | ☐ | ☐ | ☒ | ☐ |
| *b) Reduce existing "Levels of Service" on public roadway(s)?* | ☐ | ☐ | ☒ | ☐ |
| *c) Create unsafe conditions on public roadways (e.g., limited access, design features, sight distance, slow vehicles)?* | ☐ | ☐ | ☒ | ☐ |
| *d) Provide for adequate emergency access?* | ☐ | ☐ | ☒ | ☐ |
| *e) Result in inadequate parking capacity?* | ☐ | ☐ | ☐ | ☒ |
| *f) Result in inadequate internal traffic circulation?* | ☐ | ☐ | ☐ | ☒ |
| *g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., pedestrian access, bus turnouts, bicycle racks, etc.)?* | ☐ | ☐ | ☐ | ☒ |
| *h) Result in a change in air traffic patterns that may result in substantial safety risks?* | ☐ | ☐ | ☐ | ☒ |
| *i) Other:* _____ | ☐ | ☐ | ☐ | ☐ |

**Setting.** Construction vehicles and equipment may use public roads and/El Camino Real to access the Project site during work activities. It is not anticipated that these trips will affect traffic. Equipment will be staged in an existing parking lot off of Santa Margarita Road on APN 059-491-001 during the project, further minimizing potential impacts to traffic.

**Impact.** Construction vehicle access will be needed temporarily during Project construction. Otherwise, the Project will have no negative effects on transportation or circulation.

**Mitigation/Conclusion**. No significant traffic impacts were identified, and no mitigation measures above what are already required by ordinance are necessary.

| **13. WASTEWATER** - ***Will the project:*** | **Potentially Significant** | **Impact can & will be mitigated** | **Insignificant Impact** | **Not Applicable** |
|---|---|---|---|---|
| ***a) Violate waste discharge requirements or Central Coast Basin Plan criteria for wastewater systems?*** | ☐ | ☐ | ☐ | ☒ |
| ***b) Change the quality of surface or ground water (e.g., nitrogen-loading, day-lighting)?*** | ☐ | ☐ | ☐ | ☒ |
| ***c) Adversely affect community wastewater service provider?*** | ☐ | ☐ | ☐ | ☒ |
| ***d) Other:*** _____ | ☐ | ☐ | ☐ | ☐ |

**Setting/Impact.** The proposed Project involves scour mitigation at an existing bridge which is not anticipated to generate waste or wastewater or affect wastewater facilities and solid waste capacity. The Project would be conducted during the dry season and, if needed, the Project site would be dewatered prior to Project activities, further minimizing the potential for change in surface water quality. No impacts resulting from wastewater would occur as a result of the proposed Project.

**Mitigation/Conclusion.** No significant impacts are anticipated, and no mitigation measures are necessary.

| **14. WATER** - ***Will the project:*** | **Potentially Significant** | **Impact can & will be mitigated** | **Insignificant Impact** | **Not Applicable** |
|---|---|---|---|---|
| ***a) Violate any water quality standards?*** | ☐ | ☐ | ☒ | ☐ |
| ***b) Discharge into surface waters or otherwise alter surface water quality (e.g., turbidity, temperature, dissolved oxygen, etc.)?*** | ☐ | ☒ | ☐ | ☐ |

| 14. WATER - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| c) *Change the quality of groundwater (e.g., saltwater intrusion, nitrogen-loading, etc.)?* | ☐ | ☐ | ☐ | ☒ |
| d) *Change the quantity or movement of available surface or ground water?* | ☐ | ☒ | ☐ | ☐ |
| e) *Adversely affect community water service provider?* | ☐ | ☐ | ☐ | ☒ |
| f) *Other:* _____ | ☐ | ☐ | ☐ | ☐ |

**Setting.** The Project will temporarily introduce potentially hazardous materials into the area in the form of concrete and fuel in construction equipment. A spill and clean-up kit will be stored onsite at all times. All fueling and maintenance of vehicles and other equipment and staging areas will occur at least 20 meters from any riparian habitat or water body.

The topography of the Project site is nearly level to gently sloping The closest creek (Santa Margarita Creek) courses through the proposed Project. As described in the NRCS Soil Survey, the soil surface is considered to have low to moderate erodibility.

**Impact.** The Project would be conducted during the dry season to avoid impacts to the water quality of Santa Margarita Creek. If water is present, the Project site would be dewatered prior to Project activities, further avoiding the potential for change in surface water quality.

**Mitigation/Conclusion.** No significant impacts to water were identified in association with the proposed Project and no mitigation measures beyond the BMPs to prevent sedimentation, fuel and lubricant handling precautions, dewatering condition, and revegetation condition listed under the Biological Resources section are necessary (BR-5, -8, -9. and -10).

| 15. LAND USE - *Will the project:* | Inconsistent | Potentially Inconsistent | Consistent | Not Applicable |
|---|---|---|---|---|
| a) *Be potentially inconsistent with land use, policy/regulation (e.g., general plan [county land use element and ordinance], local coastal plan, specific plan, Clean Air Plan, etc.) adopted to avoid or mitigate for environmental effects?* | ☐ | ☐ | ☒ | ☐ |
| b) *Be potentially inconsistent with any habitat or community conservation plan?* | ☐ | ☐ | ☐ | ☒ |
| c) *Be potentially inconsistent with adopted agency environmental plans or policies with jurisdiction over the project?* | ☐ | ☐ | ☒ | ☐ |

| 15. LAND USE - *Will the project:* | Inconsistent | Potentially Inconsistent | Consistent | Not Applicable |
|---|---|---|---|---|
| *d) Be potentially incompatible with surrounding land uses?* | ☐ | ☐ | ☒ | ☐ |
| *e) Other:* _____ | ☐ | ☐ | ☐ | ☐ |

**Setting/Impact.** Surrounding uses are identified on Page 2 of the Initial Study. The proposed Project was reviewed for consistency with policy and/or regulatory documents relating to the environment and appropriate land use (e.g., County Land Use Ordinance, Local Coastal Plan, etc.). Referrals were sent to outside agencies to review for policy consistencies (e.g., Cal Fire for Fire Code, APCD for Clean Air Plan, etc.). The Project was found to be consistent with these documents (refer also to Exhibit A on reference documents used).

The Project is not within or adjacent to a Habitat Conservation Plan area. The Project is consistent or compatible with the surrounding uses as summarized on page 2 of this Initial Study.

**Mitigation/Conclusion.** No inconsistencies were identified and therefore no additional measures above what will already be required were determined necessary.

| 16. MANDATORY FINDINGS OF SIGNIFICANCE - *Will the project:* | Potentially Significant | Impact can & will be mitigated | Insignificant Impact | Not Applicable |
|---|---|---|---|---|
| *a) Have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?* | ☐ | ☒ | ☐ | ☐ |
| *b) Have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)* | ☐ | ☐ | ☐ | ☒ |
| *c) Have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?* | ☐ | ☐ | ☐ | ☒ |

For further information on CEQA or the county's environmental review process, please visit the County's web site at "www.sloplanning.org" under "Environmental Information", or the California Environmental Resources Evaluation System at: http://www.ceres.ca.gov/topic/env_law/ceqa/guidelines for information about the California Environmental Quality Act.

**Exhibit A - Initial Study References and Agency Contacts**

The County Planning or Environmental Divisions have contacted various agencies for their comments on the proposed project. With respect to the subject application, the following have been contacted (marked with an ☒) and when a response was made, it is either attached or in the application file:

| Contacted | Agency | Response |
|---|---|---|
| ☒ | County Public Works Department | **Project Proponent** |
| ☐ | County Environmental Health Division | **Not Applicable** |
| ☒ | County Agricultural Commissioner's Office | **None** |
| ☐ | County Airport Manager | **Not Applicable** |
| ☐ | Airport Land Use Commission | **Not Applicable** |
| ☒ | Air Pollution Control District | **None** |
| ☐ | County Sheriff's Department | **Not Applicable** |
| ☒ | Regional Water Quality Control Board | **None** |
| ☐ | CA Coastal Commission | **Not Applicable** |
| ☒ | CA Department of Fish and Game | **In File**** |
| ☐ | CA Department of Forestry (Cal Fire) | **Not Applicable** |
| ☐ | CA Department of Transportation | **Not Applicable** |
| ☐ | Community Service District | **Not Applicable** |
| ☒ | Other Garden Farms County Water District | **None** |
| ☒ | Other Army Corps of Engineers | **In File**** |

*** "No comment" or "No concerns"-type responses are usually not attached*

The following checked ("☒") reference materials have been used in the environmental review for the proposed project and are hereby incorporated by reference into the Initial Study. The following information is available at the County Planning and Building Department.

☒ Project File for the Subject Application

County documents

- ☐ Airport Land Use Plans
- ☒ Annual Resource Summary Report
- ☐ Building and Construction Ordinance
- ☐ Coastal Policies
- ☒ Framework for Planning (Coastal/Inland)
- ☒ General Plan (Inland/Coastal), including all maps & elements; more pertinent elements considered include:
  - ☒ Agriculture Element
  - ☒ Conservation & Open Space Element (includes Energy, Conservation)
  - ☒ Housing Element
  - ☒ Noise Element
  - ☒ Parks & Recreation Element
  - ☒ Safety Element
- ☒ Land Use Ordinance
- ☐ Real Property Division Ordinance
- ☐ Solid Waste Management Plan
- ☐ Circulation Study
- ☐ Area Plan and Update EIR

Other documents

- ☒ Archaeological Resources Map
- ☒ Area of Critical Concerns Map
- ☒ Areas of Special Biological Importance Map
- ☒ California Natural Species Diversity Database
- ☒ Clean Air Plan
- ☒ Fire Hazard Severity Map
- ☒ Flood Hazard Maps
- ☒ Natural Resources Conservation Service Soil Survey for SLO County
- ☒ Regional Transportation Plan
- ☒ Uniform Fire Code
- ☒ Water Quality Control Plan (Central Coast Basin – Region 3)
- ☒ GIS mapping layers (e.g., Biology, geology, streams, slope, fire, hazards, transportation, water, etc.)
- ☐ Other ____

In addition, the following project specific information and/or reference materials have been considered as a part of the Initial Study:

California Natural Diversity Database (CNDDB), Biogeographic Data Branch, Department of Fish and Game. Version 3.1.0. March 21, 2011.

## Exhibit B - Mitigation Summary Table

AIR QUALITY

[AQ1] During construction/ground disturbing activities, the contractor shall implement the following particulate (dust) control measures. These measures will be included in the contract special provisions. In addition, the contractor shall designate a person or persons to monitor the dust control program and to order increased watering, as necessary, to prevent transport of dust off site. Their duties shall include holiday and weekend periods when work may not be in progress. The name and telephone number of such persons shall be provided to the APCD prior to commencement of construction.

a. Reduce the amount of disturbed area where possible.

b. Prevent airborne dust from leaving the site.

c. Control dust from all dirt stock pile areas.

d. Implement revegetation (i.e., hydro seeding) as soon as possible following completion of any soil disturbing activities.

e. Exposed ground areas that are planned to be reworked at dates greater then one month after initial grading shall be subject to dust control measures (watering, etc.) or shall be sown with a fast germinating native grass seed and watered until a temporary vegetative cover is established.

f. All trucks hauling dirt, sand, soil, or other loose materials are to be covered or should maintain at least two feet of freeboard (minimum vertical distance between top of load and top of trailer) in accordance with California Vehicle Code Section 23114.

g. Ensure that trucks and equipment leaving the site do not carry soil material onto adjacent paved roads; clean adjacent paved roads at the end of each day if visible soil material is carried from the site onto those roads.

BIOLOGICAL RESOURCES

[BR-1] Prior to construction, the County shall obtain all necessary permits, approvals, and authorizations from jurisdictional agencies. These may include, but may not be limited to: (1) ACOE, Section 404 Nationwide Permit 43; (2) RWQCB, Section 401 Water Quality Certification; and (3) CDFG, Section 1602 Streambed Alteration Agreement for activities within the tops of banks or outer edges of riparian canopies (whichever is furthest from the streambed) of Santa Margarita Creek. The County shall adhere to all conditions included within these permits, approvals, and authorizations.

[BR-2] Prior to construction, all riparian and wetland areas shall be shown on all construction plans. All riparian vegetation planned for trimming shall be specified and shown on the construction plans.

[BR-3] During project activities, all trash that may attract predators shall be properly contained, removed from the work sites and disposed of regularly. Following construction, all trash and construction debris shall be removed from work areas.

[BR-4] To the extent practicable, construction activities within or adjacent to Santa Margarita Creek shall be conducted during the dry season (May 1 through November 1). This will reduce potential impacts to aquatic and semi-aquatic species that might be using the creeks and associated vegetation as movement/dispersal corridors.

[BR-5] If determined to be necessary by the ACOE (lead federal agency), the ACOE will consult with NMFS on behalf of the County for impacts to steelhead. The County will adhere to all conditions included within the Biological Opinions issued for the project.

[BR-6] Before any construction activities begin on the project, a biologist shall conduct a training session for all construction personnel. The training session shall include a description of species that may be encountered during construction, the importance of these species and their habitat, the general measures that are being implemented to conserve these species as they relate to the project, and the boundaries within which the project may be accomplished. Brochures, books, and briefings may be used in the training session, provided that a qualified person is on hand to answer any questions.

[BR-7] All fueling and maintenance of vehicles and other equipment and staging areas shall occur at least 20 meters from any riparian habitat or water body. The County shall ensure contamination of habitat does not occur during such operations. Prior to the onset of work, the County shall ensure that the contractor has prepared a plan to allow a prompt and effective response to accidental spills. All workers shall be informed of the importance of preventing spills and of the appropriate measures to take should a spill occur.

[BR-8] Prior to site disturbance, the County shall print Best Management Practices (BMPs) on all applicable construction plans. BMPs shall be implemented prior to, during, and following construction activities. Measures shall include, but not be limited to the following:

a. Silt fencing shall be placed along the down-slope side of the construction zone.
b. A spill and clean-up kit shall be stored onsite at all times.
c. Temporary and permanent erosion and sedimentation measures shall be implemented (e.g., silt fencing, hay bales, straw wattles, etc.).

[BR-9] During construction, if the work site is to be temporarily dewatered by pumping, intakes shall be completely screened with wire mesh not larger than five millimeters (5 mm) to prevent California red-legged frogs and steelhead from entering the pump system. Water shall be released or pumped downstream at an appropriate rate to maintain downstream flows during construction. Upon completion of construction activities, any barriers to flow shall be removed in a manner that would allow flow to resume with the least disturbance to the substrate.

[BR-10] If a temporary culvert is placed in Santa Margarita Creek, it shall be sized and placed appropriately to allow fish passage throughout construction (maintain 6 inches of depth in the culvert).

[BR-11] If construction activities are conducted during the typical nesting bird season (February 15 – September 15th), preconstruction surveys shall be conducted by the County-approved biologist or County Environmental Resource Specialist prior to any construction activity or vegetation trimming to identify potential bird nesting activity, and:

a. If active nest sites of bird species protected under the Migratory Bird Treaty Act (MBTA) are observed within the vicinity of the project sites, then the projects shall be modified and/or delayed as necessary to avoid direct take of the identified nests, eggs, and/or young;
b. If active nest sites of raptors and/or bird species of special concern are observed within

the vicinity of either project site, then CDFG shall be contacted to establish the appropriate buffer around the nest site. Construction activities in the buffer zone shall be prohibited until the young have fledged the nest and achieved independence; and

c. Active nests shall be documented by a qualified biologist and a letter-report shall be submitted to the County, USFWS, and CDFG, documenting project compliance with the MBTA and applicable project mitigation measures.

[BR-12] Only Service-approved biological monitors shall be authorized to conduct steelhead relocation efforts. The biological monitor shall be present during both the installation and removal of the creek diversion structure.

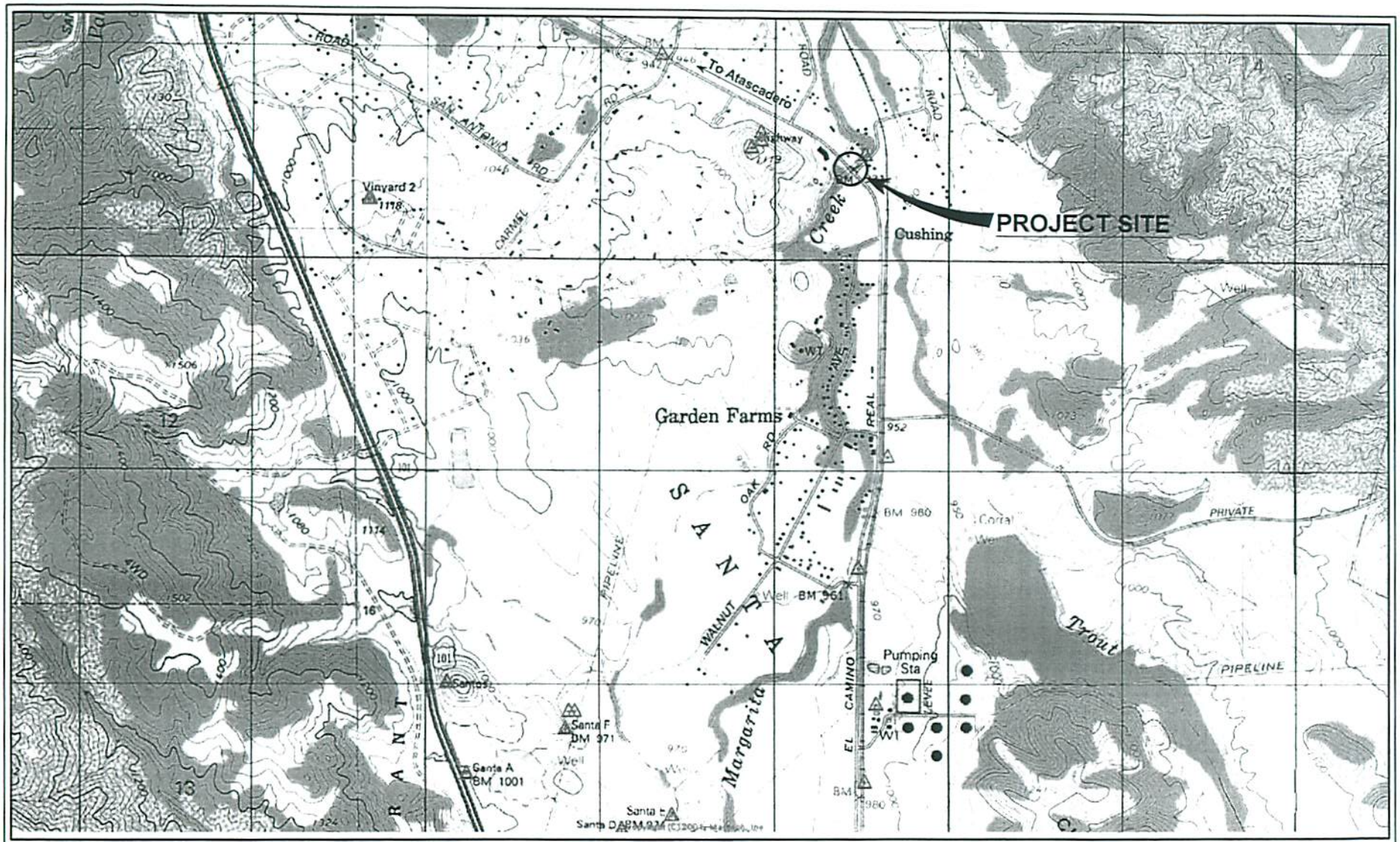
[BR-13] To avoid inadvertent impacts to steelhead and nesting birds during grading and site disturbance activities, a biological monitor will conduct preconstruction surveys in Santa Margarita Creek and adjacent areas within the Project site, conduct construction employee training prior to site disturbance and continue monitoring during grading and construction activities.

[BR-14] A Habitat Mitigation and Monitoring Plan will be prepared and will include specific measures for restoration and revegetation of all temporarily disturbed areas. The Plan will include protection measures, standards for revegetation, a monitoring program to ensure proper implementation and maintenance of restored areas, and performance criteria to determine success. In addition to the mitigation plan, the County Department of Public Works shall prepare and implement an erosion, sedimentation, and pollution prevention plan including measures to avoid discharges into Santa Margarita Creek.

[BR-15] The County shall document the number and species of all riparian woody-stemmed plants in excess of 4 inches DBH that are removed or are damaged during construction. Riparian trees and shrubs with a DBH of 3 inches or greater that are damaged or removed shall be replaced by replanting like species at a 3:1 ratio (replaced to lost). Mitigation for heritage trees 24-inches or greater shall require replanting of like species at a 10:1 ratio. This documentation shall be used as the basis for replacement mitigation.

NOISE

[N-1] Construction activities will not take place before 7 a.m. or after 9 p.m. on any day except Saturday or Sunday, or before 8 a.m. or after 5 p.m. on Saturday or Sunday.




PUBLIC WORKS

SAN LUIS OBISPO COUNTY

SCALE: 1"=2000'

# VICINITY MAP

EL CAMINO REAL AT SANTA MARGARITA CREEK BRIDGE

JOB #245R12B525

ATASCADERO, CALIFORNIA

SHEET 1 OF 1

V:_PROJECTS\Bridge Scour Countermeasures\245R12B587 – Mehlschau Road Bridge\Vicinity Map.dwg 8-17-11 02:33:39 PM MReinhart

## Appendix A: 9-quadrangle CNDDB search results for El Camino Real Bridge Scour Project, 245R12B585

| Species | Habitat Description | Habitat Presence/Absence | Details |
|---|---|---|---|
| *Agelaius tricolor*<br>tricolored blackbird | Require open water, protected nesting substrate, and foraging area with insect prey within a few km of the colony | Absent | Not expected due to lack of nesting substrate. Species has been documented in the quadrant southwest of the project's quadrant. |
| *Agrostis hooveri*<br>Hoover's bent grass | Chaparral, cismontane woodland, valley and foothill grassland; sandy sites | Absent | Species not expected due to lack of suitable habitat within project site. CNDDB search lists occurrence in the quadrant southeast of the project's quadrant. |
| *Ammodramus savannarum*<br>grasshopper sparrow | Dense grasslands or rolling hills, lowland plains, in valleys and on hillsides on lower mountain slopes. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek and disturbed nature of the project site. |
| *Anniella pulchra pulchra*<br>silvery legless lizard | Sandy or loose loamy soils under sparse vegetation; soil moisture is essential | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. Species has been documented in the quadrants northwest, southwest, and east of the project's quadrant. |
| *Antrozous pallidus*<br>Pallid bat | Deserts, grasslands, shrublands, woodlands and forests. Most common in open, dry habitats with rocky areas for roosting. | Present | Species could occur with the project area as it has been documented in the quadrants west and southwest of the project's quadrant. |
| *Arctostaphylos cruzensis*<br>Arroyo de la Cruz manzanita | Broadleafed, upland forest, coastal bluff scrub, closed-cone coniferous forest, chaparral, coastal scrub and grassland. | Absent | Not expected due to lack of suitable habitat. Species has been documented in the quadrant southwest of the project's quadrant. |
| *Arctostaphylos luciana*<br>Santa Lucia Manzanita | Chaparral; on shale outcrops, on slopes, in chaparral | Absent | Not expected due to lack of suitable habitat. Species has been documented in the quadrants south and southwest of the project's quadrant. |
| *Arctostaphylos morroensis*<br>Morro Manzanita | Chaparral, cismontane woodland, coastal dunes (pre-flandrian), coastal scrub. On Baywood sands usually with chaparral associates. | Absent | Not expected to occur within the project site due to lack of Baywood sands. |
| *Arctostaphylos pechoensis*<br>Pecho Manzanita | Closed-cone coniferous forest, chaparral, coastal scrub; grows on siliceous shale with other chaparral associates | Absent | Not expected due to lack of suitable habitat. CNDDB search lists one occurrence in the quadrant south of the project's quadrant. |
| *Arctostaphylos pilosula*<br>Santa Margarita Manzanita | Closed-cone coniferous forest, chaparral; shale outcrops and slopes; reported growing on decomposed granite or sandstone in SLO | Absent | Not expected due to lack of suitable habitat. Closest occurrences are located in quadrants west and southeast of project site's quadrant. |
| *Arctostaphylos wellsii*<br>Wells' manzanita | Chaparral, closed-cone coniferous forest. | Absent | Not expected due to lack of suitable habitat. Closest occurrence is located in quadrant west of project site's quadrant. |
| *Astragalus didymocarpus var. milesianus*<br>Miles' milk-vetch | Coastal scrub; clay soils | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |

## Appendix A: 9-quadrangle CNDDB search results for El Camino Real Bridge Scour Project, 245R12B585

| Species | Habitat Description | Habitat Presence/Absence | Details |
|---|---|---|---|
| *Athene cunicularia*<br>Burrowing owl | Open, dry annual or perennial grasslands, deserts and scrublands characterized by low-growing vegetation. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence in quadrant southwest of project's quadrant. |
| *Branchinecta lynchi*<br>Vernal pool fairy shrimp | Endemic to the grasslands of the central valley, central coast mtns, and south coast mtns, in astatic rain-filled pools. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences in quadrants southwest, northwest, and north of project's quadrant. |
| *California macrophylla*<br>round-leaved filaree | Cismontane woodland, valley and foothill grassland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Calochortus obispoensis*<br>La Panza mariposa-lily | Chaparral, coastal scrub, valley and foothill grassland; often in serpentine grassland | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB search lists occurrences in quadrants west, southwest, south, and southeast of project's quadrant. |
| *Calochortus simulans*<br>San Luis Obispo mariposa-lily | Valley and foothill grassland, cismontane woodland, chaparral | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Calycadenia villosa*<br>dwarf calycadenia | Chaparral, cismontane woodland, valley and foothill grassland, meadows and seeps. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB search lists occurrence in quadrant north of project's quadrant. |
| *Calystegia subacaulis ssp. episcopalism*<br>Cambria morning-glory | Chaparral, cismontane woodland | Absent | Not expected due to lack of suitable habitat. CNDDB search lists occurrences in quadrants southwest and south of the project's quadrant. |
| *Caulanthus lemmonii*<br>*Lemmon's jewel-flower* | Pinyon-juniper woodland, valley and foothill grassland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB search lists occurrence in quadrant northwest of project's quadrant. |
| *Camissonia hardhamiae*<br>Hardham's evening-primrose | Chaparral, cismontane woodland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Carex obispoensis*<br>San Luis Obispo sedge | Closed-cone coniferous forest, chaparral, coastal prairie, coastal scrub, valley and foothill grassland, usually on sand, clay, or serpentine; in seeps | Absent | Not detected during field surveys. Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Castilleja densiflora ssp. obispoensis*<br>San Luis Obispo owl's-clover | Valley and foothill grassland | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB search lists occurrences in quadrants southwest and south of project's quadrant. |
| *Caulanthus lemmonii*<br>*Lemmon's jewel-flower* | Pinyon-juniper woodland, valley and foothill grassland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB search lists occurrence in quadrant east of project's quadrant. |

## Appendix A: 9-quadrangle CNDDB search results for El Camino Real Bridge Scour Project, 245R12B585

| Species | Habitat Description | Habitat Presence/Absence | Details |
|---|---|---|---|
| *Centromadia parryi ssp. congdonii*<br>Congdon's tarplant | Valley and foothill grassland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. Species has been documented in the quadrant southwest of the project's quadrant. |
| *Centromadia parryi ssp. parryi*<br>Pappose tarplant | Coastal prairie, meadows and seeps, coastal salt marsh, valley and foothill grassland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. Species has been documented in the quadrant southwest of the project's quadrant. |
| *Chorogalum pomeridianum var. minus*<br>Dwarf soaproot | Chaparral, valley and foothill grassland | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB search lists occurrences in quadrants south and southwest of project's quadrant. |
| *Chorizanthe breweri*<br>Brewer's spineflower | Chaparral, cismontane woodland, coastal scrub, closed-cone coniferous forest; rocky or gravelly serpentine sites; usually in barren areas. | Absent | Not expected due to lack of suitable habitat within project site. CNDDB search lists occurrences in quadrants south, west, and southwest of project's quadrant. |
| *Chorizanthe rectispina*<br>Straight-awned spineflower | Chaparral, cismontane woodland, coastal scrub; often on granite in chaparral | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Cirsium fontinale var. obispoense*<br>Chorro Creek bog thistle | Chaparral, cismontane woodland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB search lists occurrences in quadrants south and southwest of project's quadrant. |
| *Coccyzus americanus occidentalis*<br>western yellow-billed cuckoo | Riparian forest nester, along the broad, lower floodbottoms of larger river systems. | Present | May fly through but not likely to roost or shelter within project site. SLO |
| *Corynorhinus townsendii*<br>Townsend's big-eared bat | Throughout California in a wide variety of habitats. Most common in mesic sites. | Present | May be present within or near project site. |
| *Danaus plexippus*<br>monarch butterfly | Winter roost sites extend along the coast from northern Mendocino to Baja California, Mexico. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrant southwest of project's quadrant. |
| *Deinandra increscens ssp. foliosa*<br>leafy tarplant | Valley and foothill grassland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrant southeast of project's quadrant. |
| *Delphinium parryi ssp. blochmaniae*<br>dune larkspur | Chaparral, coastal dunes (maritime). | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrant south of project's quadrant. |

## Appendix A: 9-quadrangle CNDDB search results for El Camino Real Bridge Scour Project, 245R12B585

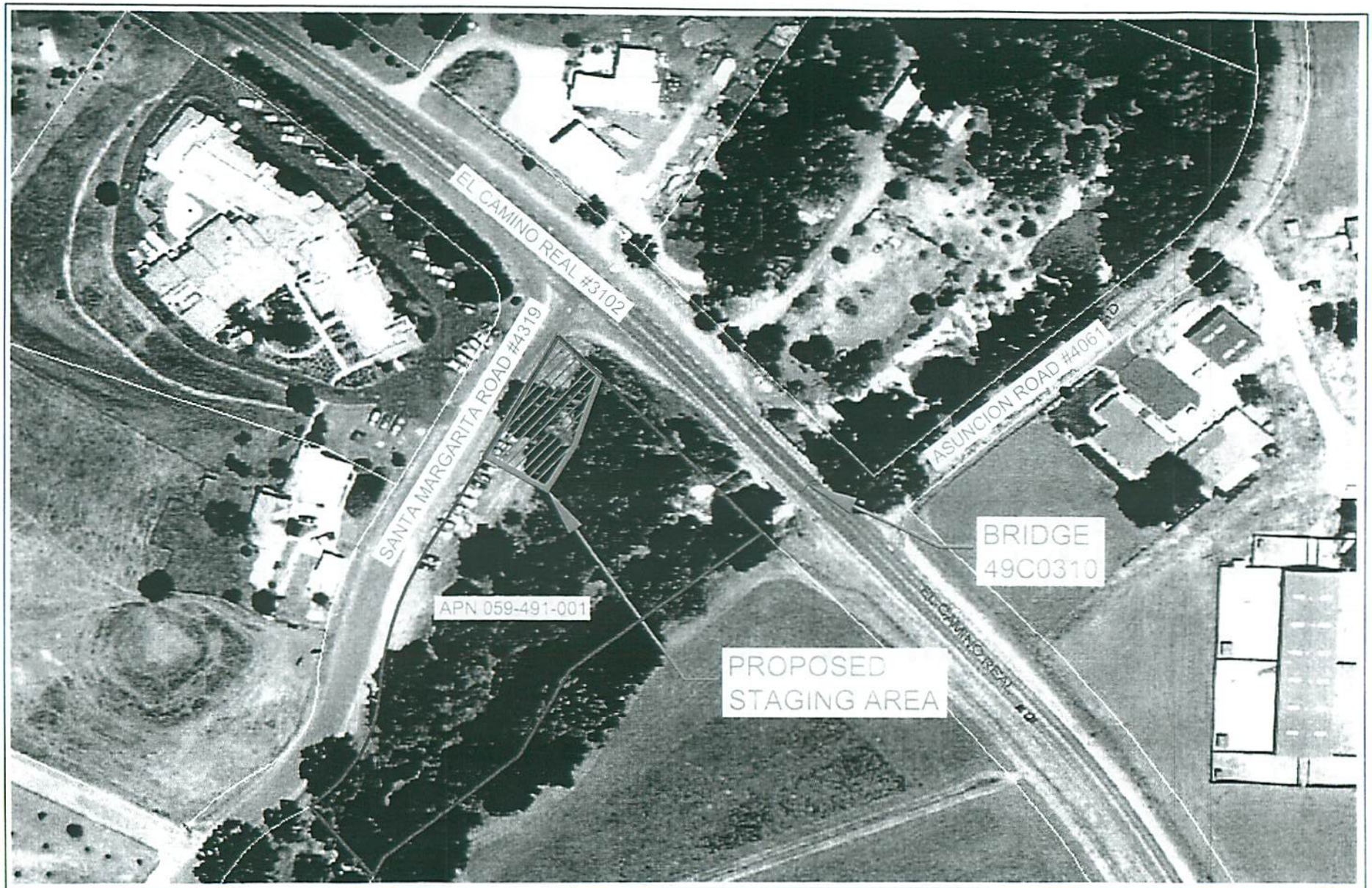
| Species | Habitat Description | Habitat Presence/Absence | Details |
|---|---|---|---|
| *Dudleya abramsii spp. bettinae*<br>Betty's dudleya | Coastal scrub, valley and foothill grassland, chaparral. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrant southwest of project's quadrant. |
| *Dudleya abramsii spp. murina*<br>mouse-gray dudleya | Chaparral, cismontane woodland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrants south and southwest of project's quadrant. |
| *Dudleya blochmaniae ssp. blochmaniae*<br>Blochman's dudleya | Coastal scrub, coastal bluff scrub, valley and foothill grasslands. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrant southwest of project's quadrant. |
| *Emys marmorata*<br>western pond turtle | A thoroughly aquatic turtle of ponds, marshes, rivers, streams and irrigation ditches, usually with aquatic vegetation. | Present | Species has been documented to occur within Santa Margarita Creek. |
| *Eriastrum luteum*<br>yellow-flowered eriastrum | Broadleafed upland forest, cismontane woodland, chaparral. | Absent | Species has been documented to occur within Santa Margarita Creek. |
| *Eryngium aristulatum var. hooveri*<br>Hoover's button-celery | Vernal pools. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrant southwest of project's quadrant. |
| *Eumops perotis californicus*<br>western mastiff bat | Many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, chaparral, etc. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrant southwest of project's quadrant. |
| *Fritillaria ojaiensis*<br>Ojai fritillary | Broadleaved upland forest (mesic), chaparral, lower montane coniferous forest. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrant southeast of project's quadrant. |
| *Fritillaria viridea*<br>San Benito fritillary | Chaparral. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence from quadrant southwest of project's quadrant. |
| *Gymnogyps californianus*<br>California condor | Require vast expanses of open savannah, grasslands, and foothill chaparral in mountain ranges of moderate altitude. | Present | May fly through but not likely to roost or shelter within project site. CNDDB lists occurrence from quad southeast of project's quad. |
| *Horkelia cuneata ssp. puberula*<br>mesa horkelia | Chaparral, cismontane woodland, coastal scrub. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Juncus luciensis*<br>Santa Lucia dwarf rush | Vernal pools, meadows, lower montane coniferous forest, chaparral, great basin scrub. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences from quads northwest and north of project's quad. |

## Appendix A: 9-quadrangle CNDDB search results for El Camino Real Bridge Scour Project, 245R12B585

| Species | Habitat Description | Habitat Presence/Absence | Details |
|---|---|---|---|
| *Lanius ludovicianus* loggerhead shrike | Broken woodlands, savannah, pinyon-juniper, oshua tree, and riparian woodlands, desert oases, scrub and washes. | Present | May fly through but not likely to roost or shelter within project site. CNDDB lists occurrences in quads south and southwest of project's quad. |
| *Lasiurus blossevillii* western red bat | Roosts primarily in trees, 2-40 ft above ground, from sea level up through mixed conifer forests. | Present | Species may be present within or near project site. |
| *Layia heterotricha* pale-yellow layia | Cismontane woodland, pinyon-juniper woodland, valley and foothill grassland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Layia jonesii* Jones' layia | Chaparral, valley and foothill grassland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences is quads south and southwest of project's quad. |
| *Lupinus ludovicianus* San Luis Obispo County lupine | Chaparral, cismontane woodland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences in quads south and southeast of project's quad. |
| *Malacothamnus palmeri var. palmeri* Santa Lucia bush-mallow | Chaparral. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence in quad west of project's quad. |
| *Monardella palmeri* Palmer's monardella | Cismontane woodland, chaparral. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences in quads west, southwest, south, and southeast of project's quad. |
| *Navarretia fossalis* Moran's nosegay | Vernal pools, chenopod scrub, marshes and swamps, playas. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences in quads north and northeast of project's quad. |
| *Navarretia nigeliformis ssp. radians* shining navarretia | Cismontane woodland, valley and foothill grassland, vernal pools. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences in quads north and northeast of project's quad. |
| *Oncorhynchus mykiss irideus* steelhead – south/central California coast DPS | Fed listing refers to runs in coastal basins from the Pajaro River south to, but not including, the Santa Maria River. | Present | Species has been documented to occur within Santa Margarita Creek. Santa Margarita Creek is designated critical habitat. |
| *Phrynosoma blainvillii* coast horned lizard | Frequents a wide variety of habitats, most common in lowlands along sandy washes with scattered low bushes. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence in quad southwest of project's quad. |
| *Plagiobothrys uncinatus* hooked popcorn-flower | Chaparral, cismontane woodland, valley foothill grassland, coastal bluff scrub. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences in quads west, southwest, and east of project's quad. |

## Appendix A: 9-quadrangle CNDDB search results for El Camino Real Bridge Scour Project, 245R12B585

| Species | Habitat Description | Habitat Presence/Absence | Details |
|---|---|---|---|
| *Progne subis*<br>purple martin | Inhabits woodlands, low elevation coniferous forest of Douglas-Fir, Ponderosa Pine, and Monterey Pine. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences in quads south and west of project's quad. |
| *Rana boylii*<br>foothill yellow-legged frog | Partly-shaded, shallow streams and riffles with a rocky substrate in a variety of habitats. | Absent | Not expected due to lack of rocky habitat within Santa Margarita Creek. |
| *Rana draytonii*<br>California red-legged frog | Lowlands and foothills in or near permanent sources of deep water with dense, shrubby or emergent riparian vegetation. | Absent | Species has been documented to occur within Santa Margarita Creek but was not detected within the project site during protocol-level surveys conducted April – August 2011.. |
| *Sanicula maritima*<br>adobe sanicle | Meadows and seeps, valley and foothill grassland, chaparral, coastal prairie. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence in quad southwest of project's quad. |
| *Sidalcea hickmanii ssp. anomala*<br>Cuesta Pass checkerbloom | Closed-cone coniferous forest. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences in quads southwest and west of project's quad. |
| *Spea hammondii*<br>western spadefoot | Prefer open areas with sandy or gravelly soils in a wide variety of habitat types. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Streptanthus albidus ssp. peramoenus*<br>most beautiful jewel-flower | Chaparral, valley and foothill grassland, cismontane woodland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrences in quads southwest, south, and west of project's quad. |
| *Taricha torosa*<br>Coast Range newt | Coastal drainages from Mendocino County to San Diego County. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Taxidea taxus*<br>American badger | Most abundant in drier open stages of most shrub, forest, and herbaceous habitats, with friable soils. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |
| *Trifolium hydrophilum*<br>saline clover | Marshes and swamps, valley and foothill grassland, vernal pools. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence in quad southwest of project's quad. |
| *Tropidocarpum capparideum*<br>caper-fruited tropidocarpum | Valley and foothill grassland. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. CNDDB lists occurrence in quad south of project's quad. |
| *Vulpes macrotis mutica*<br>San Joaquin kit fox | Annual grasslands or grassy open stages with scattered shrubby vegetation. | Absent | Not expected due to lack of suitable habitat within Santa Margarita Creek. |




PUBLIC WORKS

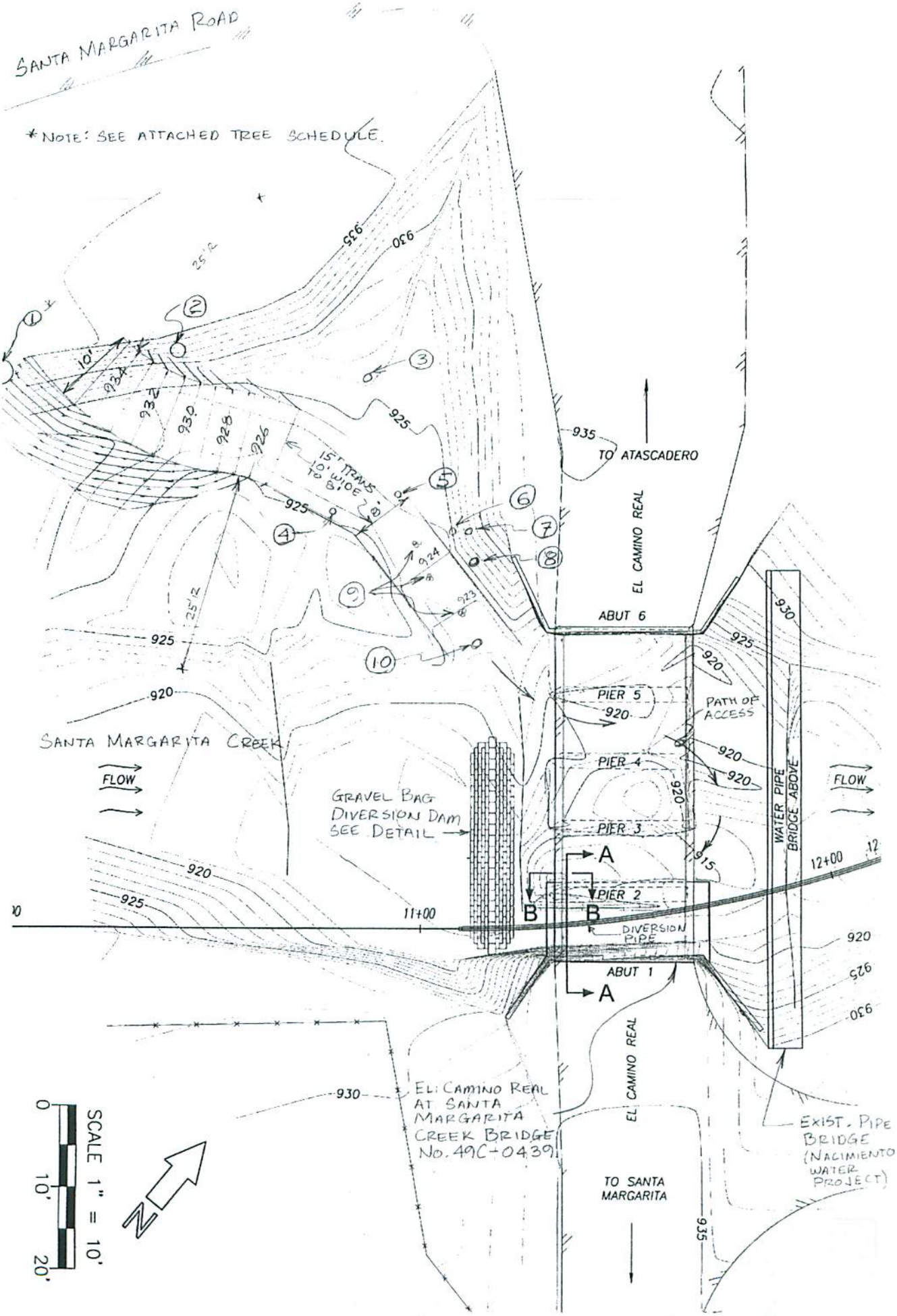
SAN LUIS OBISPO COUNTY

NOT TO SCALE

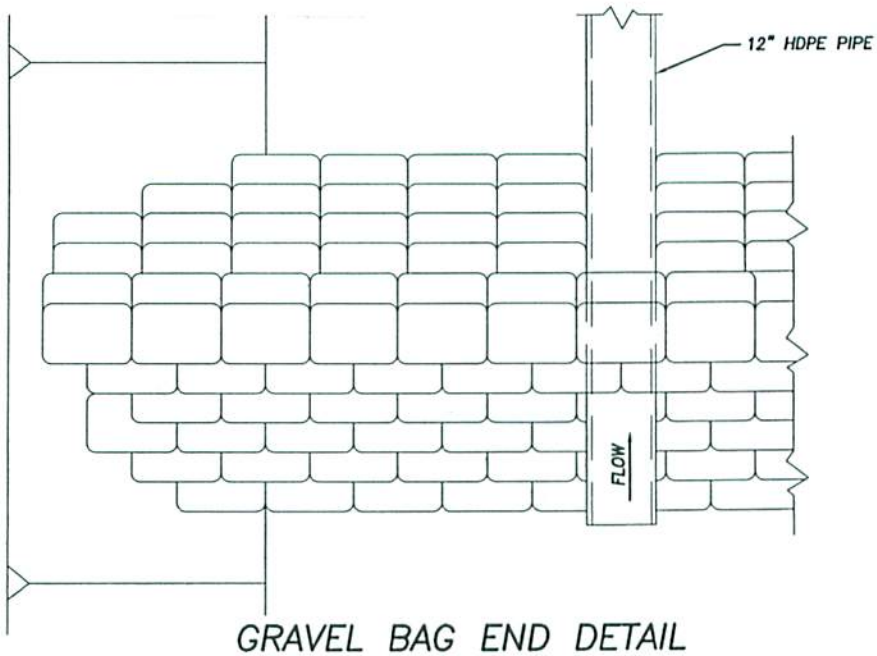
# PROPOSED STAGING AREA

EL CAMINO REAL AT SANTA MARGARITA CREEK BRIDGE, 245R12B585
ATASCADERO, CALIFORNIA
SHEET 1 OF 1

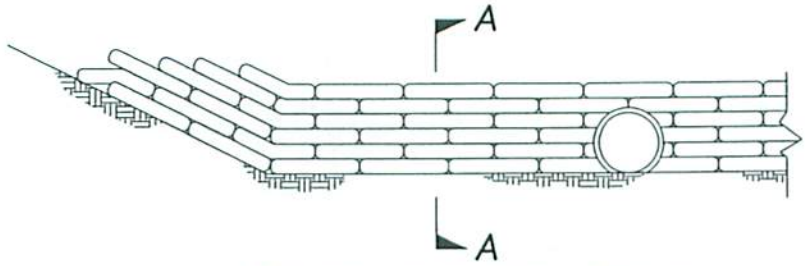
V:_PROJECTS\Bridge Scour Countermeasures\245R12B585 – El Camino Real at Santa Margarita Creek




EL CAMINO REAL AT SANTA MARGARITA CREEK BRIDGE




GRAVEL BAG END DETAIL
PLAN VIEW
NOT TO SCALE



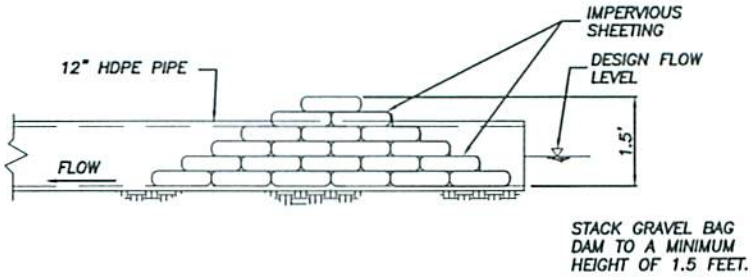

GRAVEL BAG END DETAIL
ELEVATION
NOT TO SCALE

PUBLIC WORKS
SAN LUIS OBISPO COUNTY

# GRAVEL BAG END DETAIL

EL CAMINO REAL AT SANTA MARGARITA CREEK BRIDGE
ATASCADERO, CALIFORNIA
SHEET 1 OF 2

V:_PROJECTS\245R12B565 – See Canyon – Slipout\Autocad\Dwg\Details.dwg 3–15–11 11:57:14 AM MReinhart




## TYPICAL SECTION A–A

NOT TO SCALE

PUBLIC WORKS

SAN LUIS OBISPO COUNTY

# TYPICAL SECTION A-A

EL CAMINO BRIDGE AT SANTA MARGARITA CREEK BRIDGE
ATASCADERO, CALIFORNIA
SHEET 2 OF 2