

PUBLIC WORKS DEPARTMENT
INITIAL STUDY OF
ENVIRONMENTAL SIGNIFICANCE

PROJECT NUMBER: WO #6202

CP# 18-09

PROJECT NAME: Pinehurst Road Sinkhole and Culvert Repair Project

PREPARED BY: Matt Kawashima

DATE: May 7, 2018

APPROVED BY: Teresa B. Moore DATE: 5/17/18

RECOMMENDATIONS:

☒ Categorical Exemption: 15301(c)

☐ Negative Declaration

☐ Environmental Impact Report Required

☐ Conditional Negative Declaration

The project will not have a significant effect on the environment. The recommendation is based on the following: The Project consists of repair of existing public facilities involving no expansion of use pursuant to section 15301(c) of the CEQA Guidelines.

What changes to the project would mitigate the identified impacts: N/A

USGS Quad Sheet: <u>Oakland East</u>	Base Map Sheet #: <u>R10</u>	Parcel #: <u>N/A</u>
--------------------------------------	------------------------------	----------------------

GENERAL CONSIDERATIONS:

- Location:** The Project site is located on Pinehurst Road, approximately 2.5 miles northwest of Canyon Road at the first hairpin turn in unincorporated Orinda [Figures 1-4].
- Project Description:** The Public Works Department of Contra Costa County is proposing to repair an 84" culvert and sinkhole beneath Pinehurst Road that were heavily damaged in 2017 in order to return the road to satisfactory condition. Storm drainage will be conveyed through the culvert instead of bypassing the culvert to the side and bottom. The road embankment will be compacted and the ditch on the roadway will be restored to allow for proper drainage of surface runoff. Work will be done during the summer season when the creek is dry or has a very minimal amount of flow. Culvert repairs include the following:
 - Culvert inlet protection: Excavation of loose soils around the pipe and placement of rip rap around the inlet and on the creek bank.
 - Culvert invert repair: 1) Cleaning the silt and debris off of the pipe's flowline and disposing the sediments off-site. 2) Remove corroded pipe sections and fill all the voids beneath the pipe with grout. 3) Repair the bottom of the pipe with wire mesh and grout. The grout will be placed the full length of the pipe up to a maximum thickness of 6" to the pipe spring line.
 - Culvert outlet repair: Removal of material/debris from the creek bed adjacent to the outlet to allow for positive drainage.
 - Culvert joint repair: Grout crown of pipe where voids exist after interior grouting is completed. The joints will be inspected and it will be determined if concrete collars are necessary.

Sinkhole road repair includes excavating and compacting subgrade, placing aggregate base and hot mix asphalt, removing temporary rip rap and sandbags and compacting any voids caused by erosion beneath the shoulder, and replacing rip rap and reestablishing the roadside ditch. No tree removal will be necessary. Tree and shrubbery trimming may be necessary throughout the project area. In order to minimize damage to trees, any roots exposed during construction activities will be clean cut. The Project will maintain the existing drainage pattern and will not create new impervious areas. Appropriate Best Management Practices (BMPs) will be implemented for water pollution control. Construction will take approximately 25 working days. Temporary road closure may be necessary for approximately two weeks; however, advance notification would be provided to surrounding residents identifying potential detours. Real Property transactions, including right-of-way acquisition may be necessary in support of this project.

- Does it appear that any feature of the project will generate significant public concern?**

☐ Yes ☒ No ☐ maybe (Nature of concern):

- Will the project require approval or permits by other than a County agency?**

☒ Yes ☐ No

- Is the project within the Sphere of Influence of any city?** No

FIGURE 1: Regional Location Map

CONTRA COSTA COUNTY CALIFORNIA

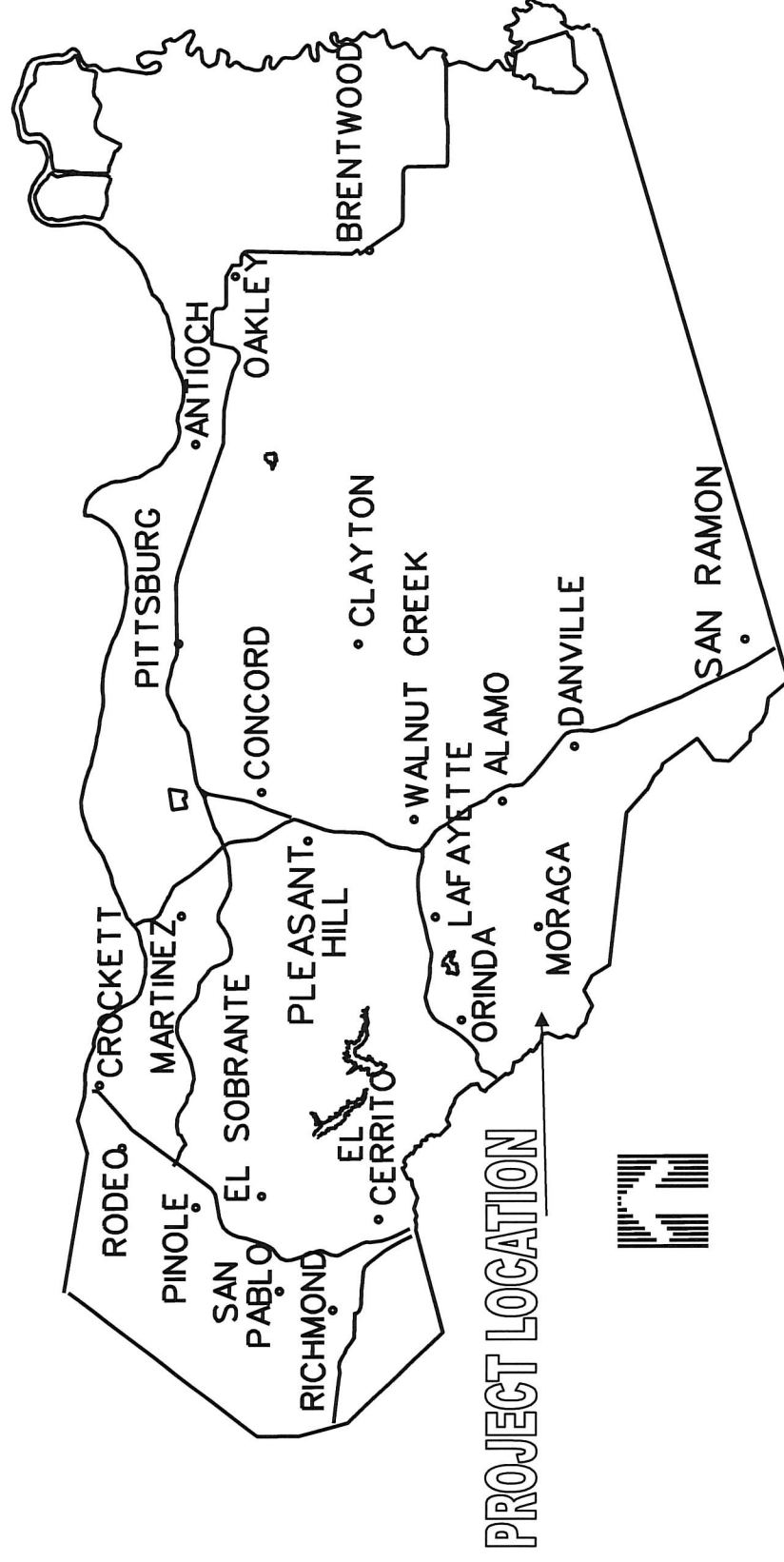


FIGURE 2: Project Vicinity Map



FIGURE 3: Aerial View of Project Site

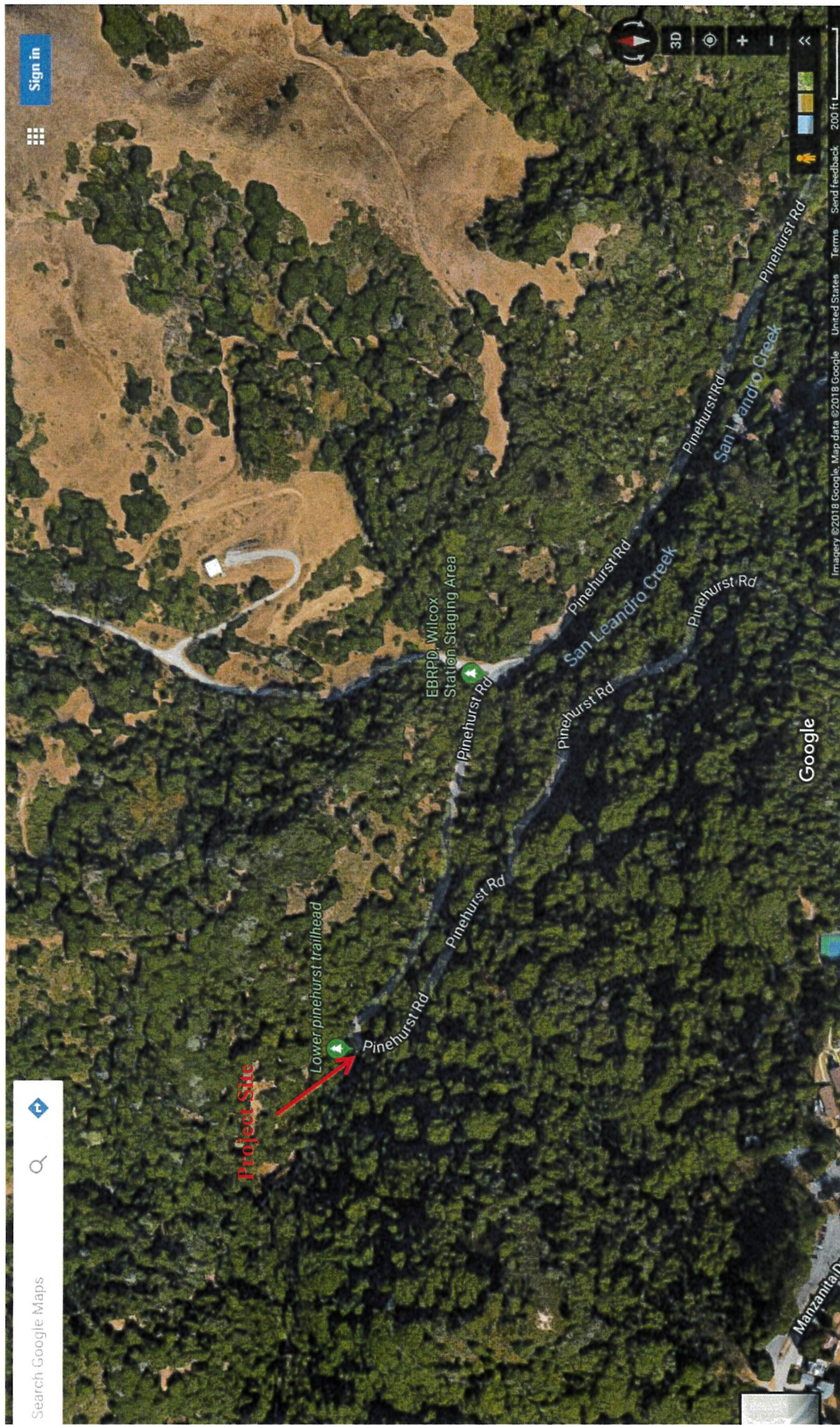


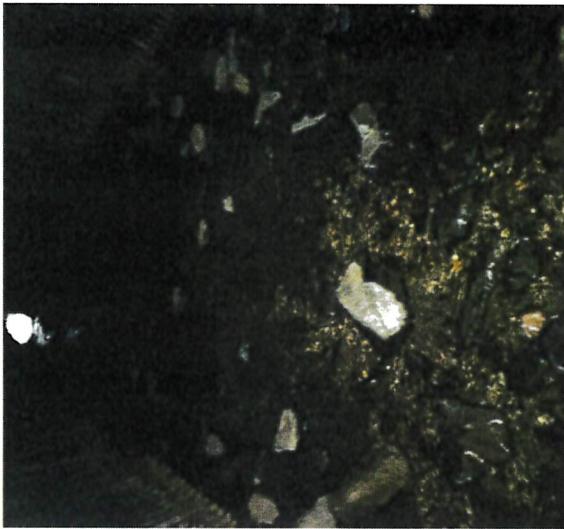
FIGURE 4: Site Photos



1) Pipe inlet repair: Excavation and rip rap replacement around the pipe inlet



3) Culvert outlet repair



2) Invert repair: Silt, debris and corroded pipe sections removal, filling the voids with grout, using wire mesh and grout for repair of bottom of pipe



4) Culvert joint repair

CALIFORNIA ENVIRONMENTAL QUALITY ACT
Notice of Exemption

To: [] Office of Planning and Research
P.O. Box 3044, Room 113
Sacramento, CA 95812-3044
[] County Clerk
County of: Contra Costa
From: Contra Costa County
Dept. of Conservation & Development
30 Muir Road
Martinez, CA 94553

Project Title: Pinehurst Road Sinkhole and Culvert Repair
Proj. No. WO #6202 CP#18-09

Project Applicant: Contra Costa County Public Works Department
Project Location – Pinehurst Road, approximately 2.5 miles northwest of Canyon Road at the first hairpin turn
Project Location: Unincorporated Orinda Project Location – County: West Contra Costa

Description of Nature, Purpose and Beneficiaries of Project:
The Public Works Department of Contra Costa County is proposing to repair an 84” culvert and sinkhole beneath Pinehurst Road that were heavily damaged in 2017 in order to return the road to satisfactory condition. Storm drainage will be conveyed through the culvert instead of bypassing the culvert to the side and bottom. The road embankment will be compacted and the ditch on the roadway will be restored to allow for proper drainage of surface runoff. Work will be done during the summer season when the creek is dry or has a very minimal amount of flow. Culvert repairs include the following:

- 1. Culvert inlet protection: Excavation of loose soils around the pipe and placement of rip rap around the inlet and on the creek bank.
- 2. Culvert invert repair: 1) Cleaning the silt and debris off of the pipe’s flowline and disposing the sediments off-site. 2) Remove corroded pipe sections and fill all the voids beneath the pipe with grout. 3) Repair the bottom of the pipe with wire mesh and grout. The grout will be placed the full length of the pipe up to a maximum thickness of 6” to the pipe spring line.
- 3. Culvert outlet repair: Removal of material/debris from the creek bed adjacent to the outlet to allow for positive drainage.
- 4. Culvert joint repair: Grout crown of pipe where voids exist after interior grouting is completed. The joints will be inspected and it will be determined if concrete collars are necessary.

Sinkhole road repair includes excavating and compacting subgrade, placing aggregate base and hot mix asphalt, removing temporary rip rap and sandbags and compacting any voids caused by erosion beneath the shoulder, and replacing rip rap and reestablishing the roadside ditch. No tree removal will be necessary. Tree and shrubbery trimming may be necessary throughout the project area. In order to minimize damage to trees, any roots exposed during construction activities will be clean cut. The Project will maintain the existing drainage pattern and will not create new impervious areas. Appropriate Best Management Practices (BMPs) will be implemented for water pollution control. Construction will take approximately 25 working days. Temporary road closure may be necessary for approximately two weeks; however, advance notification would be provided to surrounding residents identifying potential detours. Emergency vehicles will have access at all times. Real Property transactions, including right-of-way acquisition may be necessary in support of this project.

Name of Public Agency Approving Project: Contra Costa County
Name of Person or Agency Carrying Out Project: Contra Costa County Public Works Department

Exempt Status:
[] Ministerial Project (Sec. 21080(b) (1); 15268;
[] Declared Emergency (Sec. 21080(b)(3); 15269(a));
[] Emergency Project (Sec. 21080(b)(4); 15269(b)(c));
[] Categorical Exemption: Class 15301(c)
[] Other Statutory Exemption, Code No.:
[] General Rule of Applicability [Article 5, Section 15061 (b)(3)]

Reasons why project is exempt: The Project consists of repair of existing public facilities involving no expansion of use. The project is exempt from CEQA pursuant to Section 15301(c) of the CEQA guidelines.

Lead Agency Contact Person: Matt Kawashima - Public Works Dept. Area Code/Telephone/Extension: (925) 313-2161

If filed by applicant:
1. Attach certified document of exemption finding.
2. Has a Notice of Exemption been filed by the public agency approving the project? [] Yes [] No

Signature: Date: Title:
[] Signed by Lead Agency [] Signed by Applicant

AFFIDAVIT OF FILING AND POSTING
I declare that on I received and posted this notice as required by California Public Resources Code Section 21152(c). Said notice will remain posted for 30 days from the filing date.
Signature Title

Applicant: Department of Fish and Game Fees Due
Public Works Department [] EIR - \$3,271.00 Total Due: \$ 75.00
255 Glacier Drive [] Neg. Dec. - \$2,354.75 Total Paid \$
Martinez, CA 94553 [] DeMinimis Findings - \$0
Attn: Matt Kawashima [] County Clerk - \$50 Receipt #:
Environmental Services Division [] Conservation & Development - \$25
Phone: (925) 313-2161