

APPLICATION NO. 19301



PESCADERO RECLAMATION DISTRICT 2058

Levee Critical Repairs Project

October 25, 2019



BOARD ACTION

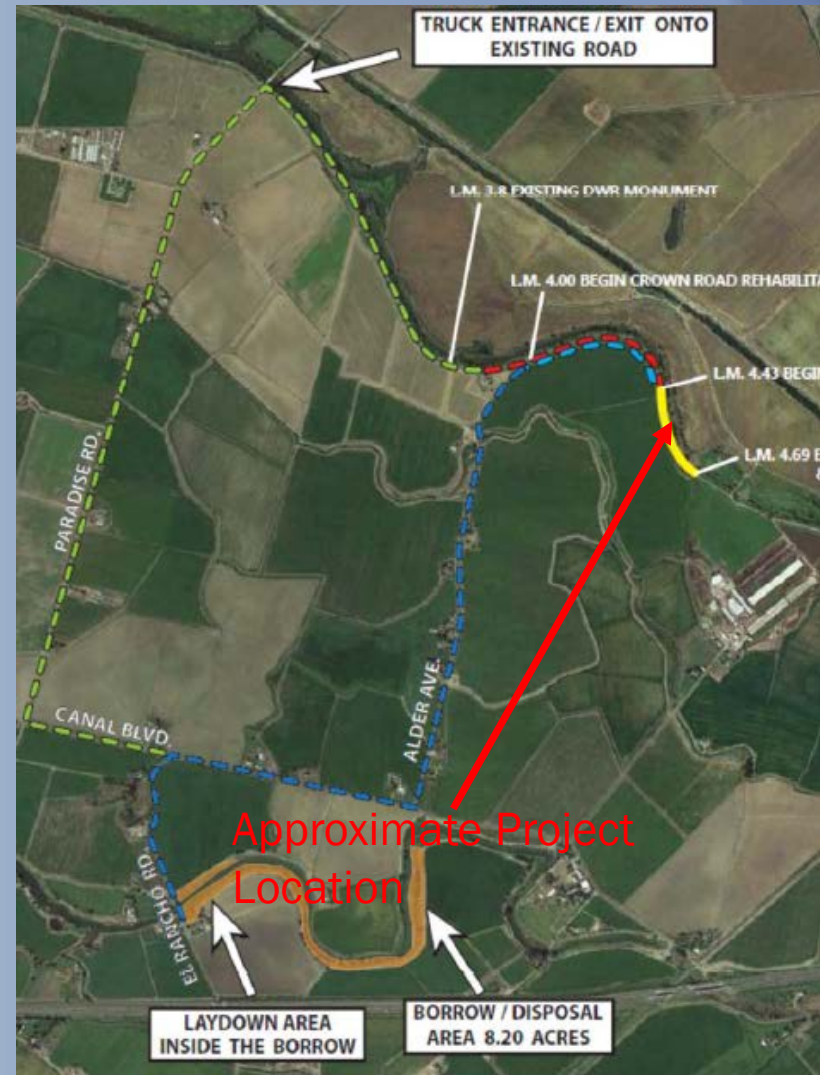
Consider approval of Permit No. 19301:

- ◎ To repair the left (south) bank levee of Paradise Cut between Levee Mile (LM) 4.0 and LM 4.69 by adding material to the landside levee slope.

PROJECT MAP



- ◎ The proposed project site is located approximately 1.7 miles downstream of Interstate 5 on the left (south) bank levee of Paradise Cut. Paradise Cut is located approximately 5.4 miles north-east of the City of Tracy in San Joaquin County.



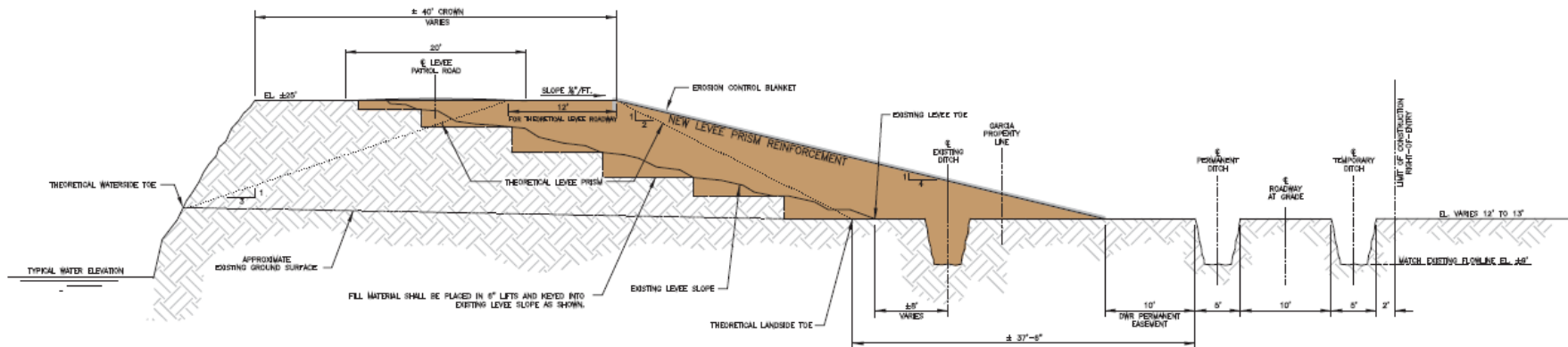
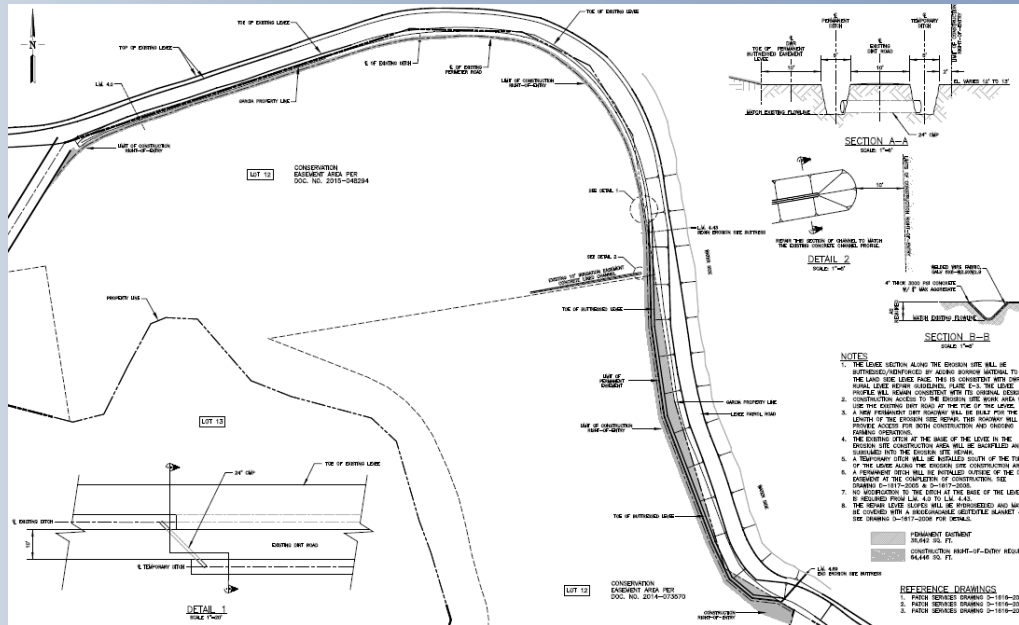
PROJECT ANALYSIS



The proposed project involves levee repair to the left (south) bank levee of Paradise Cut between LM 4.0 and 4.69.

- ◎ The crown road repair work (landside slope repair) is limited between LM 4.0 and LM 4.43; and
- ◎ The erosion repair work (landside levee widening) is limited between LM 4.43 and 4.69.

PROJECT DRAWINGS



Attachment

Template E-2 Typical Rock Slope Protection Repair for Minor Erosion

Template E-3 **Typical Widened Levee Repair for Erosion**



HYDRAULIC ANALYSIS



- ◎ Adding materials to the landside levee slope does not change the hydraulics of the levee system and as such a hydraulic analysis was not required.

GEOTECHNICAL ANALYSIS



- ◎ This levee repair mitigates the known waterside levee erosion by widening the levee prism landward. There are no known geotechnical issues in the project area, therefore a geotechnical analysis was not required.

AGENCY COMMENTS/ENDORSEMENTS



- ◎ USACE 33 U.S.C. 408 permission letter has been received for this application. The USACE Sacramento District Engineer approves the request to alter the Federal flood risk reduction project, subject to conditions. The letter is incorporated into the permit as Exhibit A.
- ◎ RD 2058 is the applicant and local maintaining agency for Paradise Cut levees.

CEQA CONCLUSIONS



- ◎ Staff has prepared a CEQA analysis, as included in the Staff Report. For information regarding staff's CEQA analysis, refer to Section 8.0 of the Staff Report.

8610.5 CONSIDERATIONS



- ◎ Staff has prepared the 8610.5 Considerations, as included in the Staff Report. For information regarding staff's analysis, refer to Section 9.0 of the Staff Report.



STAFF RECOMMENDATION

Staff recommends that the Board:

- ◎ Adopt the CEQA Findings;
- ◎ Approve Permit No. 19301; and
- ◎ Direct the Executive Officer to take necessary action to prepare and execute the permit and related documents and to prepare and file a Notice of Determination with the State Clearinghouse.

QUESTIONS



Presented by:

Deb Biswas, Permitting Section

Design Review:

Deb Biswas, Permitting Section

Environmental Review:

Itzia Rivera, Senior Environmental Scientist

Document Review:

Gary W. Lemon, P.E., Permitting Section Chief

Yiguo Liang, P.E., Operations Branch Chief

Michael C. Wright, P.E., Chief Engineer

Legal Review:

Sarah Backus, Staff Counsel

PL 84-99 STATUS



As per staff's communication with USACE:

- ◎ “Eligibility for participation in the PL 84-99 program is determined through USACE inspections independent of any 408 permission reviews. If granted, a section 408 permission would indicate the corps' determination that the proposed alteration would (a) not impair the usefulness of the project work, and (b) would not be injurious to the public interest. The 408 permission analysis and determination is not focused on improvement of performance of a federal project feature (i.e., levee), rather the analysis is focused on a "do no harm" perspective. It is not possible to determine from a 408 permission review how the proposed alteration could impact future levee inspections and ratings.”