

Deborah Cooper
Contra Costa County
Clerk-Recorder
555 Escobar Street
Martinez, CA 94553
(925) 335-7900

Public

Receipt No.: 202200128727

Cashier: 237

Register: WINDOW7

Date/Time: 10/24/2022 09:48 AM

Description	Fee
NOTICE OF DETERMINATION	
Filing Time:	09:48 AM
Filing Total:	\$50.00
Filing Fee:	\$50.00
<hr/>	
Total Amount Due:	\$50.00
<hr/>	
Total Paid	
Check Tendered:	\$50.00
#4021	
Amount Due:	\$0.00

THANK YOU
PLEASE KEEP FOR REFERENCE





State of California - Department of Fish and Wildlife
2022 ENVIRONMENTAL DOCUMENT FILING FEE
CASH RECEIPT
DFW 753.5a (REV. 01/01/22) Previously DFG 753.5a

Print

StartOver

Finalize&Email

RECEIPT NUMBER:

07-10/24/2022-425

STATE CLEARINGHOUSE NUMBER (If applicable)

200604082

SEE INSTRUCTIONS ON REVERSE. TYPE OR PRINT CLEARLY.

LEAD AGENCY

CONTRA COSTA WATER DISTRICT

LEAD AGENCY EMAIL

DATE

10/24/2022

COUNTY/STATE AGENCY OF FILING

CONTRA COSTA COUNTY

DOCUMENT NUMBER

2022-00422

PROJECT TITLE

CANAL REPLACEMENT PROJECT, CEQA MND ADDENDUM NO.6, COMPLETION OF SEGMENT 5

PROJECT APPLICANT NAME

CONTRA COSTA WATER DISTRICT

PROJECT APPLICANT EMAIL

PHONE NUMBER

(925) 688-8119

PROJECT APPLICANT ADDRESS

1311 CONCORD AVE

CITY

CONCORD

STATE

CA

ZIP CODE

94520

PROJECT APPLICANT (Check appropriate box)

☒ Local Public Agency

☐ School District

☐ Other Special District

☐ State Agency

☐ Private Entity

CHECK APPLICABLE FEES:

☐ Environmental Impact Report (EIR)

\$ 3,539.25

☐ Mitigated/Negative Declaration (MND)(ND)

\$ 2,548.00

☐ Certified Regulatory Program (CRP) document - payment due directly to CDFW

\$ 1,203.25

☐ Exempt from fee

☐ Notice of Exemption (attach)

☐ CDFW No Effect Determination (attach)

☐ Fee previously paid (attach previously issued cash receipt copy)

☐ Water Right Application or Petition Fee (State Water Resources Control Board only)

\$ 850.00

☒ County documentary handling fee

\$ 50.00

50.00

☒ Other NOTICE OF DETERMINATION - CEQA PREVIOUSLY PAID

\$

PAYMENT METHOD:

☐ Cash

☐ Credit

☒ Check

☐ Other 4021

TOTAL RECEIVED

\$

50.00

SIGNATURE

X

AGENCY OF FILING PRINTED NAME AND TITLE

Cano Jennifer Deputy Clerk

R# 128727

Notice of Determination

Appendix D

To:

☒ Office of Planning and Research
 U.S. Mail: Street Address:
 P.O. Box 3044 1400 Tenth St., Rm 113
 Sacramento, CA 95812-3044 Sacramento, CA 95814

☒ County Clerk

County of: Contra Costa
 Address: 555 Escobar Street
Martinez, CA 94553

From:

Public Agency: Contra Costa Water DistrictAddress: 1311 Concord Ave
Concord, CA 94520Contact: Mark SeedallPhone: 925 688-8119


Lead Agency (if different from above): _____

Address: _____

Contact: _____

Phone: _____

2022-00422

FILED**October 24, 2022****DEBORAH COOPER****CLERK-RECORDER**By 
Deputy clerk

SUBJECT: Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

State Clearinghouse Number (if submitted to State Clearinghouse): 200604082Project Title: Canal Replacement Project, CEQA MND Addendum No. 6, Completion of Segment 5Project Applicant: Contra Costa Water DistrictProject Location (include county): City of Oakley and Unincorporated Contra Costa County

Project Description:

Approximately 14,000 feet of the Canal Replacement project has been completed to date (Segments 1 to 4). The Segment 5 project will complete the remaining 7,000 feet between 2023 and 2027.

This is to advise that the Contra Costa Water District has approved the above
 (☒ Lead Agency or ☐ Responsible Agency)

described project on October 19, 2022 and has made the following determinations regarding the above
 (date)
 described project.

1. The project [☐ will ☒ will not] have a significant effect on the environment.
2. ☐ An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
☒ A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [☒ were ☐ were not] made a condition of the approval of the project.
4. A mitigation reporting or monitoring plan [☐ was ☒ was not] adopted for this project.
5. A statement of Overriding Considerations [☐ was ☒ was not] adopted for this project.
6. Findings [☐ were ☒ were not] made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval, or the negative Declaration, is available to the General Public at:

<https://www.ccwater.com/Segment5>

Signature (Public Agency):  Title: Assistant General ManagerDate: October 21, 2022

Date Received for filing at OPR: _____

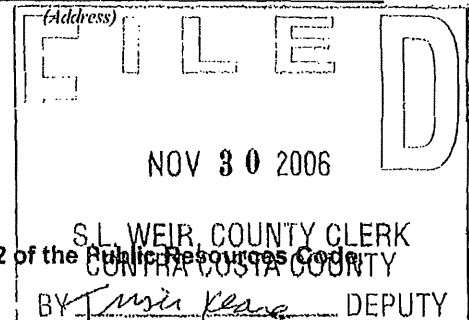
Notice of Determination

Form C

To: ☒ Office of Planning and Research
PO Box 3044, 1400 Tenth Street, Room 212
Sacramento, CA 95812-3044

☒ County Clerk
County of Contra Costa
822 Main Street
Martinez, CA 94553

From: (Public Agency) Contra Costa Water
1311 Concord Ave
Concord, CA 94520



Subject:

Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code

Contra Costa Canal Replacement Project

Project Title

200604082

Mark A. Seedall

925 688-8119

State Clearinghouse Number
(If submitted to Clearinghouse)

Lead Agency
Contact Person

Area Code/Telephone/Extension

City of Oakley and unincorporated Contra Costa County

Project Location (include county)

Project Description:

The project involves installing up to 3.97 miles of buried pipeline in place of the existing unlined portion of the Contra Costa Canal (between PP1 and the trash rack near Rock Slough).

This is to advise that the Contra Costa Water District has approved the above described project on

November 29, 2006

(Date)

☒ Lead Agency ☐ Responsible Agency

and has made the following determinations regarding the above described project:

1. The project ☐ will ☒ will not have a significant effect on the environment.
2. ☐ An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
☒ A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures ☒ were ☐ were not made a condition of the approval of the project.
4. A statement of Overriding Considerations ☐ was ☒ was not adopted for this project.
5. Findings ☐ were ☒ were not made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval is available to the General Public at:
1331 Concord Ave, Concord CA 94520

Regina Cantor
Signature (Public Agency)

November 30, 2006

Date

Assistant General Manager

Title

Date received for filing at OPR:

January 2004

Notice of Determination

Form C

To: ☒ Office of Planning and Research
PO Box 3044, 1400 Tenth Street, Room 212
Sacramento, CA 95812-3044

☒ County Clerk
County of Contra Costa
822 Main Street
Martinez, CA 94553

From: (Public Agency) Contra Costa Water

1311 Concord Ave

Concord, CA 94520

(Address)

Subject:

Filing of Notice of Determination in compliance with Section 21108 or 21152 of the Public Resources Code.

Contra Costa Canal Replacement Project

Project Title

200604082

Mark A. Seedall

925 688-8119

State Clearinghouse Number
(If submitted to Clearinghouse)

Lead Agency
Contact Person

Area Code/Telephone/Extension

City of Oakley and unincorporated Contra Costa County

Project Location (include county)

Project Description:

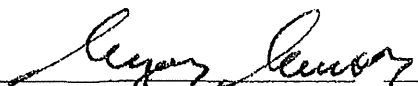
The project involves installing up to 3.97 miles of buried pipeline in place of the existing unlined portion of the Contra Costa Canal (between PPI and the trash rack near Rock Slough).

This is to advise that the Contra Costa Water District has approved the above described project on
November 29, 2006 and has made the following determinations regarding the above described project:
(Date)

☒ Lead Agency ☐ Responsible Agency

1. The project [☐will ☒will not] have a significant effect on the environment.
2. ☐ An Environmental Impact Report was prepared for this project pursuant to the provisions of CEQA.
☒ A Negative Declaration was prepared for this project pursuant to the provisions of CEQA.
3. Mitigation measures [☒were ☐were not] made a condition of the approval of the project.
4. A statement of Overriding Considerations [☐was ☒was not] adopted for this project.
5. Findings [☐were ☒were not] made pursuant to the provisions of CEQA.

This is to certify that the final EIR with comments and responses and record of project approval is available to the General Public at:
1331 Concord Ave, Concord CA 94520


Signature (Public Agency)

November 30, 2006

Date

Assistant General Manager

Title

Date received for filing at OPR:

RECEIVED

NOV 30 2006

STATE CLEARING HOUSE

January 2004

REC'T # 0003507508
November 30, 2006 15:53:06

CONTRA COSTA Co Recorder Office
STEPHEN L. WEIR, Clerk-Recorder

Document # 06-WATER

Check Number 1211
REQD BY
Fish and Game \$1,250.00
Total fee \$1,250.00
Amount Tendered... \$1,250.00
Change \$0.00
cnn:CP/1/0

REC'T # 0003507503
November 30, 2006 15:51:33

CONTRA COSTA Co Recorder Office
STEPHEN L. WEIR, Clerk-Recorder

Document # 06-WATER

Check Number 904021
REQD BY
Envir Qual \$25.00
Total fee \$25.00
Amount Tendered... \$25.00
Change \$0.00
cnn:CP/1/0



STATE OF CALIFORNIA - THE RESOURCES AGENCY
DEPARTMENT OF FISH AND GAME
ENVIRONMENTAL FILING FEE CASH RECEIPT
DFG 753.5a (8-03)

261472

Lead Agency: CONTRA COSTA WATER Date: NOV 30 2006
County / State Agency of Filing: CCC CLERKS OFFICE Document No.:
Project Title: CONTRA COSTA CANAL Replacement Project
Project Applicant Name: 311 CONCORD AVE CONCORD CA 94520 Phone Number:
Project Applicant Address: CONTRA COSTA WATER
Project Applicant (check appropriate box): Local Public Agency ☒ School District ☐ Other Special District ☐
State Agency ☐ Private Entity ☐

CHECK APPLICABLE FEES:

() Environmental Impact Report	\$850.00	\$	
() Negative Declaration	\$1,250.00	\$	1250
() Application Fee Water Diversion (State Water Resources Control Board Only)	\$850.00	\$	
() Projects Subject to Certified Regulatory Programs	\$850.00	\$	
() County Administrative Fee	\$25.00	\$	25.00
() Project that is exempt from fees			

Rec # 3507508
rec # 3507503

TOTAL RECEIVED \$

Signature and title of person receiving payment:

Trish Keane

DEPUTY COUNTY CLERK

WHITE-PROJECT APPLICANT

YELLOW-DFG/FASB

PINK-LEAD AGENCY

GOLDENROD-STATE AGENCY OF FILING



Agenda Item No. 6
Meeting Date: October 19, 2022
Resolution: No

AGENDA DOCKET FORM

SUBJECT: APPROVE CONTRA COSTA CANAL REPLACEMENT SEGMENT 5 PROJECT CHANGES



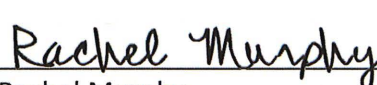
SUMMARY: Starting in 2009, the Contra Costa Water District (District) replaced approximately 13,000 linear feet of the unlined portion of the Contra Costa Canal (Canal) with a 10-foot diameter pipeline. The remaining phase, Segment 5, consists of 7,100 linear feet of unlined Canal to be replaced (see Attachment 1). The District plans to replace 6,500 feet of Segment 5 (Segment 5B) in 2023. The remaining 600 feet of unlined Canal (Segment 5A) will be completed by the Grand Cypress Preserve (ACD-TI) developer, consistent with the Canal Improvements Agreement, by 2027. The completion of Segment 5A will allow East Cypress Road to be widened and relocated by the City of Oakley.

On November 30, 2006 the Board of Directors (Board) certified the Canal Replacement Project (CRP or Project) Final Mitigated Negative Declaration (2006 Final MND) as complete and adequate under the California Environmental Quality Act (CEQA), and the Bureau of Reclamation approved the National Environmental Policy Act, Environmental Assessment, on July 11, 2007.

(Continued on Page 2)

FISCAL IMPACT: Costs to complete the environmental review and additional permit requirements (including fees) are estimated to be \$100,000. Fiscal Year 2023 (FY23)/FY24 environmental compliance costs during construction are estimated to be \$280,000. Sufficient funds are included within the FY23/FY24 Canal Replacement Project Capital budget.

RECOMMENDED ACTION: Approve the Contra Costa Canal Replacement Segment 5 Project Changes.

 Mark Quady Planning Manager	 Jeff Quimby Assistant General Manager	 Rachel Murphy General Manager
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RM/MQ/MAS:kh

Attachments: 1) CCWD Canal Replacement Location Map; 2) Groundwater Dewatering Plan Map;
3) CEQA Addendum 6

AGENDA DOCKET FORM

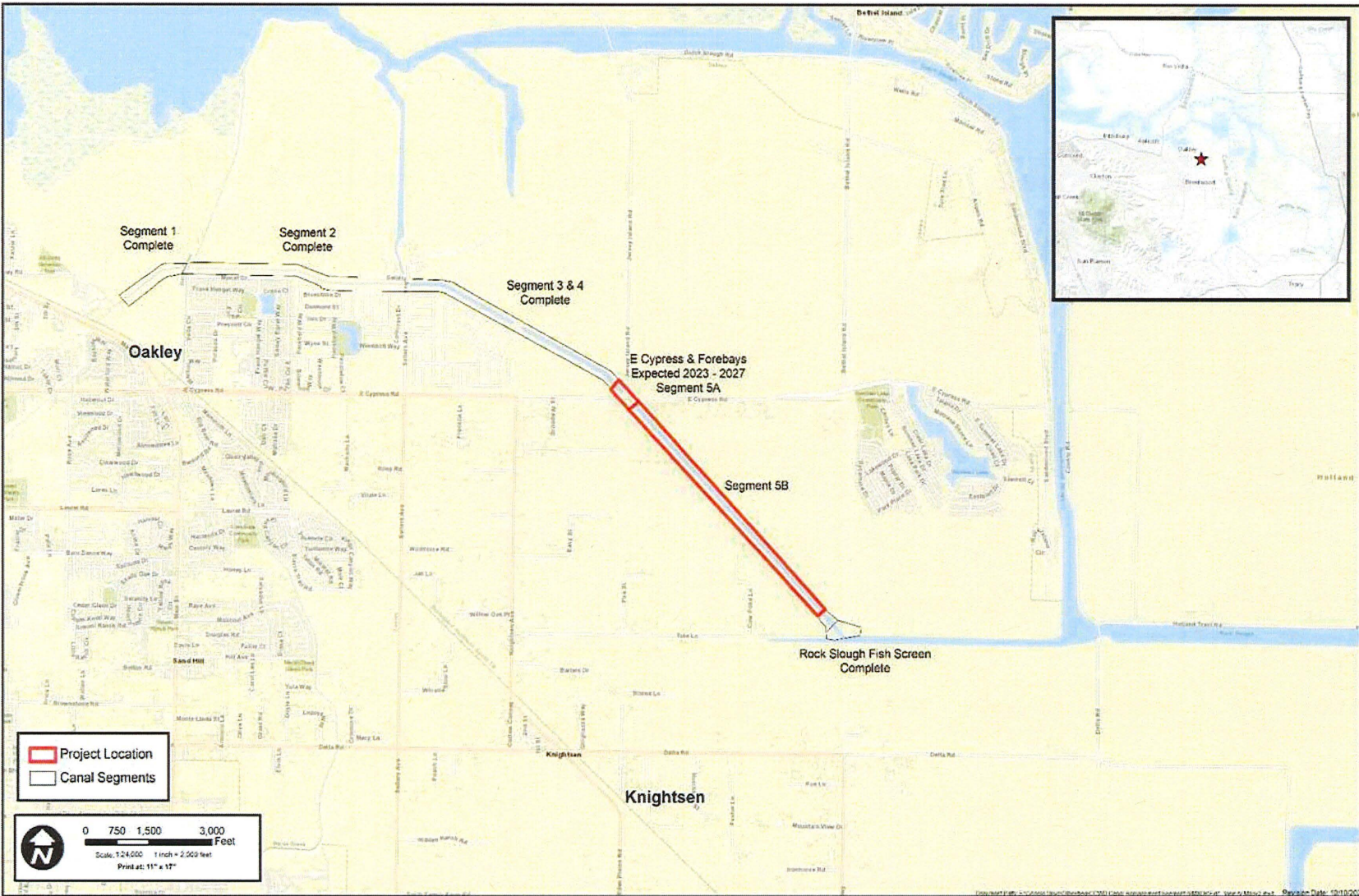
SUMMARY (Continued from Page 1):

Since the 2006 Final MND was approved by the Board, the District modified some project components in the prior Project segments and prepared CEQA Addenda Nos. 1 through 5 to demonstrate such modifications would not result in new or substantially more severe environmental impacts compared to the impacts disclosed in the 2006 Final MND. Similarly, the District is modifying additional Project components for Segment 5 of the CRP and has prepared a new addendum, CEQA Addendum No. 6, to evaluate the Project changes (see Attachment 3). The following Project changes are associated with Segment 5:

1. Adjusted Groundwater Dewatering Plan: Groundwater will be mixed with dilution water immediately downstream of the Rock Slough Fish Screen and then carried by a pipeline along the existing Rock Slough levees and discharged on the north side of the Sand Mound Slough tide gate (see Attachment 2).
2. Updated Project Staging Areas: Includes a 200-foot strip adjacent to Segment 5B that was approved under Addendum No. 4 or the use of other ACD-TI permitted license areas. Construction of the remaining 600 feet of Segment 5A is to be staged on Reclamation property within Segments 4 and 5.
3. Final Grading Plans: Includes importing fill material needed to elevate the Canal right of way to be level with adjacent properties.
4. Updated Listing of Adjacent Projects: Provides an update on nearby project development since the 2006 Final MND. Development around the CRP has proceeded more slowly than expected in 2006.
5. Amended Regulatory Permits: Describes the requirements to obtain an Army Corps Permit extension and the need to amend the Central Valley Regional Water Quality Control Board groundwater discharge permit.

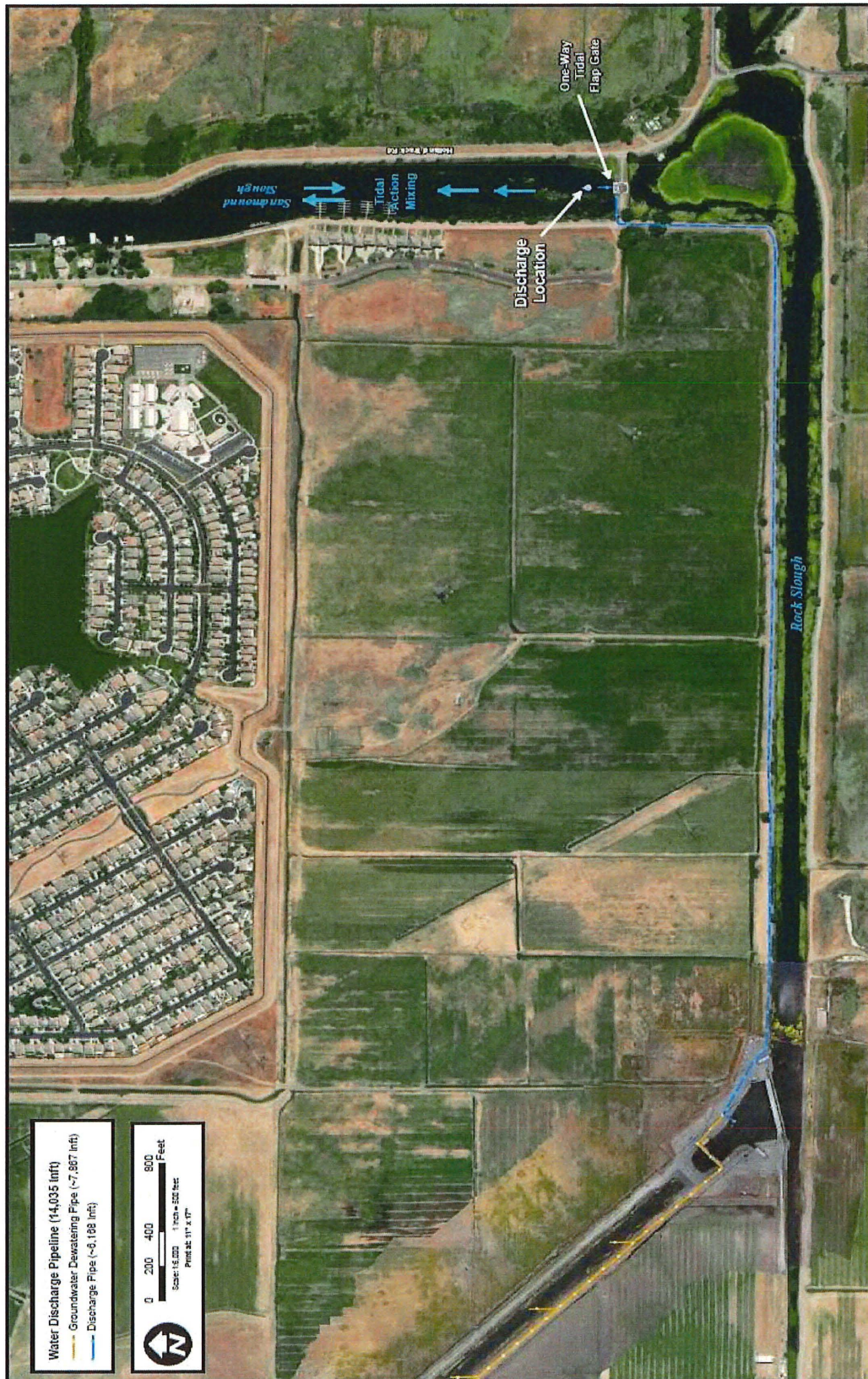
Temporary construction access agreements needed to support the Project and the changes described are being finalized and will be obtained prior to mobilizing for construction in Spring 2023.

The CEQA Addendum No. 6 environmental review demonstrates that the completion of Segment 5 does not require major revisions to the 2006 Final MND, nor does it increase the severity of previously identified effects. Additionally, the project would not have more significant effects or substantially more adverse effects than those specified in the 2006 Final MND. All of the mitigation measures adopted in the MND, and as adjusted by Addendums 1-5, will be followed for the Segments 5 construction. If approved, a Notice of Determination describing approval of the Segment 5 Project Changes in reliance upon the 2006 Final MND, prior CEQA Addenda, and CEQA Addendum No. 6, will be filed by the District.



CCWD Canal Replacement Location Map

Groundwater Dewatering Plan Map



**CANAL REPLACEMENT PROJECT
CEQA MITIGATED NEGATIVE DECLARATION (MND)
Addendum No. 6
Completion of Segment 5
October 2022**

SECTION 1

BACKGROUND AND PURPOSE OF THIS ADDENDUM

1.1 BACKGROUND

Contra Costa Water District (CCWD or District) and the U.S. Bureau of Reclamation (Reclamation) were lead agencies in developing the Contra Costa Canal Replacement Project (Canal Replacement Project) Mitigated Negative Declaration (MND) (SCH # 200604082) and National Environmental Policy Act (NEPA) Environmental Assessment/Finding of No Significant Impact (FONSI No. 07-05-MP). The Draft MND was published in April 2006. The CCWD Board of Directors certified the Canal Replacement Project Final MND (2006 Project or 2006 Final MND) as complete and adequate under the California Environmental Quality Act (CEQA) on November 30, 2006. Reclamation approved the NEPA Environmental Assessment on July 11, 2007 (See Figure 1 for Vicinity Map).

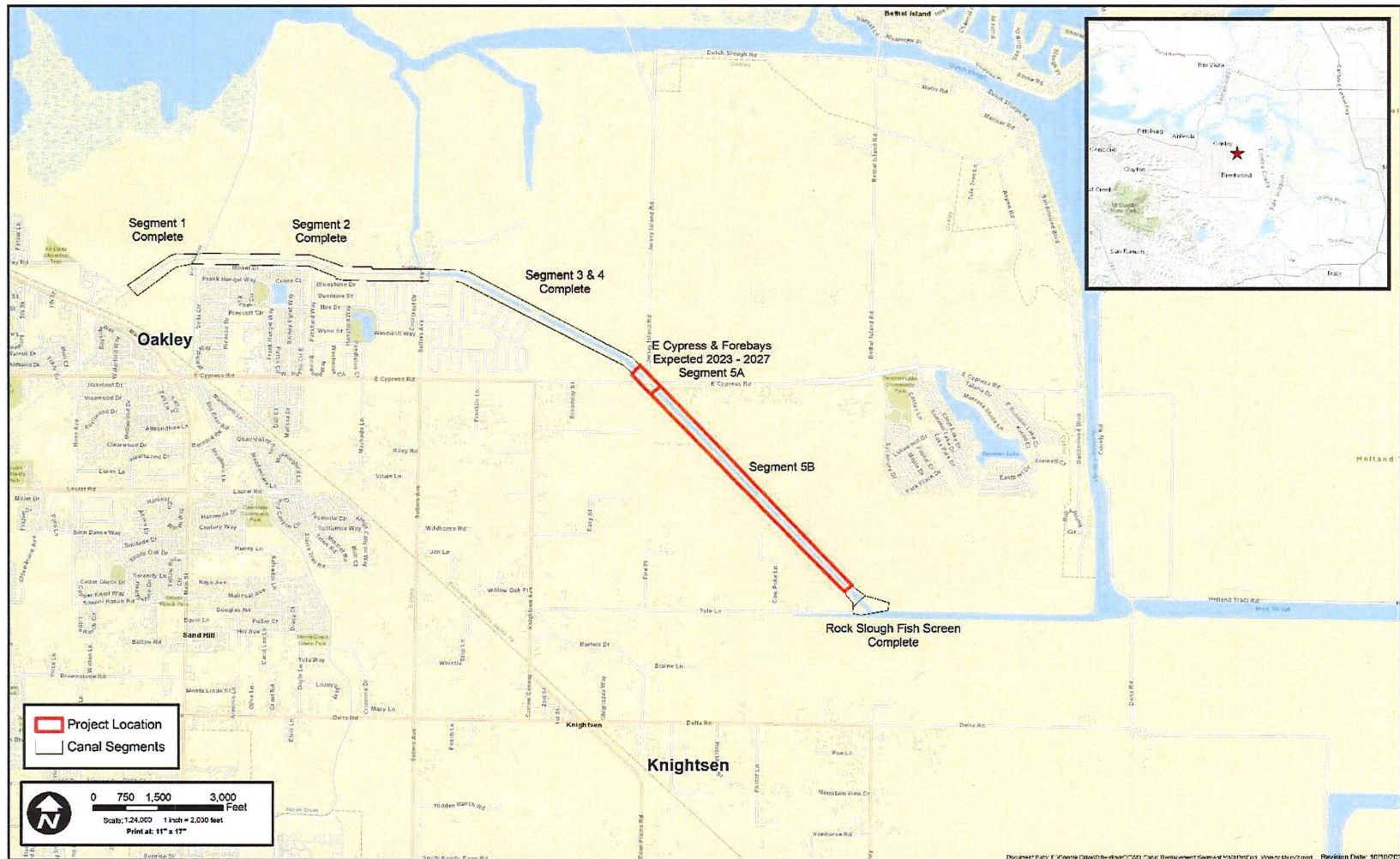


Figure 1: Project Vicinity
 Contra Costa Canal Replacement Project
 Addendum #6

CCWD has previously submitted the following Addenda to the 2006 Project pursuant to CEQA Guidelines, with the corresponding dates.

Addendum No. 1, The Contra Costa Canal Replacement Project Pump Around, March 18, 2009, Addendum No. 2, The Contra Costa Canal Replacement Project Phase 1 Fill Plan, September 1, 2009, Addendum No. 3, Segment 2 and Flood Isolation Structure, March 21, 2013, Addendum No. 4, Segments 3 and 4, April 7, 2017, and Addendum No. 5, Segments 3 and 4 Portable Generator Use, April 17, 2018.

These documents are all incorporated herein by reference. The Mitigation Monitoring and Reporting Program (MMRP), prepared in accordance with CEQA Guidelines Sections 15074 and 15075 is also incorporated by reference. The MMRP outlines mitigation measures that would reduce potentially significant impacts to less-than-significant levels.

Reclamation issued a Supplemental Environmental Assessment/Finding of No Significant Impact (SEA/FONSI) on September 12, 2013, to cover Segment 2 project construction.

The 2006 Project consisted of the following: installing up to 3.97 miles (approximately 21,000 feet) of buried ten-foot diameter pipeline in place of the existing unlined portion of the Contra Costa Canal (Canal) between the Headworks near Rock Slough and Pumping Plant No. 1 (PP1) within the Reclamation 300-foot-wide Canal right-of-way. Chapters 1 and 2 of the Draft MND described the purpose and need for the project, project background, and project description. When the CEQA document was adopted in November 2006 and the EA/FONSI approved by Reclamation in 2007, it was expected that the project would be fully constructed by the end of 2016 (see Figure 2).

In 2009, CCWD completed the Canal Replacement Project – Segment 1, which installed approximately 1,900 feet of buried ten-foot diameter reinforced concrete pipe in the unlined Canal east of a forebay¹ (that remains in front of PP1) to Marsh Creek. Segment 1 added bypass pumping (described in Addendum No. 1) in the Canal around the work area to provide needed water supply and Addendum No. 2 discussed the imported fill that was used for final grading.

In 2011 Reclamation and CCWD completed the Rock Slough Fish Screen (RSFS) Project that installed a 350-foot fixed wedge wire screen approximately 450 feet upstream (southeast) of the Rock Slough Headworks structure (the Headworks was the prior terminus of the Contra Costa Canal). Installation of the RSFS keeps sensitive fish from entering the unlined Canal and this has allowed the Canal to remain in service without constraint prior to the shutting down the Canal to allow Segments 2 through 5 to be replaced with a pipeline and was a key component of the environmental review addressed in Addendum No. 3.

¹ The approximately 310-foot PP1 forebay has not yet been filled in with a replacement pipeline. The PP1 forebay is needed to support the current use of PP1. The District has plans to build a new pumping plant within the PP1 forebay as a component of the Los Vaqueros Expansion (2017 Draft Supplement, Project Description. Volume 1, Chapter 2, pages 2-18 through 2-22).

CEQA Addendum No. 3 addressed construction of Segment 2 and the Flood Isolation Structure (FIS). In 2015, CCWD completed Segment 2, which installed approximately 5,500 feet of buried ten-foot diameter reinforced concrete pipe in the unlined Canal from west of Marsh Creek to east of Sellers Avenue and at this time the District constructed the flood isolation structure (FIS) approximately 150 feet west of the Canal headworks bridge² including about 200 feet of pipeline at the end of Segment 5. The FIS is a slide gate that sits in the center of the 200-foot pipeline (there is about 100 feet of pipe on either side of the FIS) and can isolate the Canal from the Delta if a section of the unlined Canal failed and started a flood event. Segment 2 groundwater discharge experienced higher than expected salinity that resulted in issues with addressing Central Valley Regional Water Quality Control Board limited threat discharge permit requirements for chronic toxicity.

CEQA Addendum's 4 and 5 addressed project changes for construction of Segments 3 and 4. Construction of Segments 3 and 4 of the Canal Replacement Project was largely completed in 2018 with some final site grading taking place in 2019. Work on these segments involved installing approximately 5,500 feet of buried ten-foot diameter pipeline that tied into the Segment 2 pipeline east of Sellers Ave and extended approximately 200 feet west of East Cypress Road. Construction of Segments 3 and 4 included improved maintenance and security access by placing a small portion of Little Dutch Slough in culverts. Segment 3 and 4 groundwater plus dilution water discharge resulted in inadvertent pH exceedances above the Central Valley Regional Water Quality Control board limited threat discharge permit limits. The final grading of Segment 3 resulted in low lying areas that have either filled with rainwater or have been impacted by shallow groundwater intrusion from the adjacent Department of Water Resources Dutch Slough Tidal Restoration project. Segment 4 did not extend all the way to East Cypress Road and a small portion of open canal was left remaining north of East Cypress Road to be replaced in the future (under Segment 5).

Consistent with the 2006 MND, Segments 1-4 Canal Construction Segments have included clearing and grubbing of the work area, unwatering of the Canal, fish rescue and relocation, dewatering of groundwater in the work area, installation of buried pipeline and final grading and restoration of the project site.

² The Rock Slough Headworks was the entrance to the Contra Costa Canal at the time that the CEQA was prepared in 2006 for the Canal Replacement Project. In 2011, the entrance to the Contra Costa Canal was modified for the Rock Slough Fish Screen.

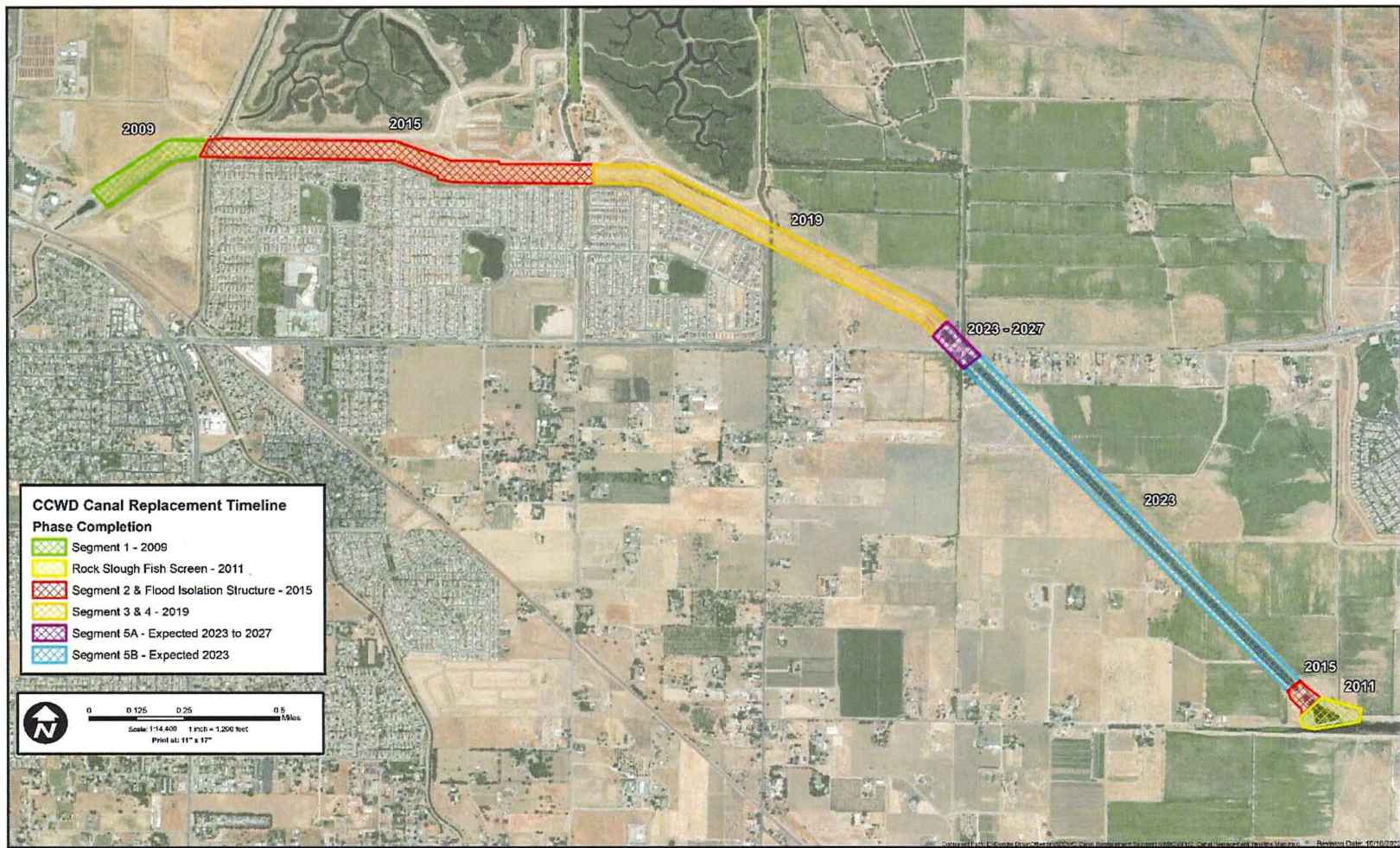


Figure 2: Project Timeline Map
 Contra Costa Canal Replacement Project
 Addendum #6

Table 1 provides a summary of the Canal Replacement Project Timeline from 2006 to 2027.

Table 1
Contra Costa Canal Replacement Project
Project Timeline, 2006 to 2027

Area	Project Length (in feet)	Year Completed/ Expected Completion	Completed Length (in feet)	Yet to be Completed Length (In feet)
2006 Project, All Segments	20,860	2019	13,300	7,560
Forebay at PP1		Part of the LVE Project		310
Segment 1	1,900	2009	1,900	
Segment 2	5,700	2014	5700	
Segments 3 and 4	5,700	2018	5,500	200
Completion of Segment 4, East Cypress Road Siphon and Connection to Segment 5. (5A)		2024 to 2027		End of Segment 4 200 (5A) Siphon 250 (5A) Start of Segment 5 200 (5A)
Flood Isolation Structure (FIS) Pipeline Segment	200	2014	200	
Segment 5 from the FIS Pipeline to within 200 feet south of East Cypress Road (5B)	6,400	2023/2024		6,400 (5B)
FIS to the Rock Slough Headworks ³	200			200

1.2 PURPOSE OF THIS ADDENDUM

The purpose of this Canal Replacement Project Addendum No. 6 is to update the project description for the remaining portions of the unlined Canal that will be filled in with pipeline, namely Segment 5, which extends from the end of Segment 4 located just north of East Cypress Road to north of the RSFS. Segment 5 is split into two sub-phases: Segment 5A and 5B. Segment 5B is approximately 6,400 feet in length and extends from the pipeline downstream of the existing FIS near the Rock Slough Headworks to approximately 200 feet south of East Cypress Road. All the components of Segment 5A consists of approximately 650 feet of pipeline, that will

³ There are not plans currently to construct this portion of the pipeline.

1) fill the existing 200-foot forebay northwest of East Cypress Road (the completion of Segment 4); 2) fill the approximately 200 feet of open canal south of the existing East Cypress Road once Segment 5B is replaced and 3) replace the 250 feet of siphons under East Cypress Road once the road is relocated. Figure 3 illustrates Present conditions (October 2022) relative to expected Post Construction conditions after 2023.

The CEQA Guidelines (Sections 15162 and 15164) require that a lead agency prepare an addendum to a previously certified EIR or Negative Declaration if some changes or additions to the environmental evaluation of a project are necessary but none of the following occurs:

1. There are no substantial changes in the project which require major revisions to the Negative Declaration or a substantial increase in the severity of previously identified significant effects.
2. There are no substantial changes with respect to the circumstances under which the project is undertaken which require major revisions to the Negative Declaration; or
3. No new information of substantial importance, which could not have been known with the exercise of reasonable diligence at the time of Negative Declaration certification, shows any of the following:
 - (i) the project will have one or more significant effects not discussed in the Negative Declaration,
 - (ii) the project will result in impacts substantially more adverse than those disclosed in the Negative Declaration,
 - (iii) mitigation measures or alternatives previously found not to be feasible would in fact be feasible and would substantially reduce one or more significant effects of the project, but the project proponent declines to adopt it, or
 - (iv) mitigation measures or alternatives that are considerably different from those analyzed in the Negative Declaration would substantially reduce one or more significant effects on the environment, but the project proponent declines to adopt it.

The Canal Replacement Project as described in the 2006 Final MND adopted by the CCWD Board in November 2006 has not changed, however refinements/changes in construction methods and field conditions since Segments 1 through 4 were completed require that CEQA be updated, and any potential impacts evaluated. This Addendum provides a summary of the implementation approach for completing Segment 5, and documents that construction of these remaining areas do not require major revisions to the 2006 Final MND, nor does it increase the severity of previously identified effects. Additionally, the project would not have more significant effects or substantially more adverse effects that were not discussed in the Final MND. All the mitigation measures adopted for the project as adjusted by Addendums 1-5 will be followed for the completion of Segment 5. Therefore, submittal of this Addendum meets the requirements of CEQA Guidelines (Sections 15162 and 15164).



Figure 3: Project Present 2022 Canal Replacement Project Conditions versus Post Construction Conditions in 2023.
 Contra Costa Canal Replacement Project
 Addendum #6

COMPLETION OF SEGMENT 5

2.1 PROJECT DESCRIPTION

2.1.1 INTRODUCTION

The completion of Segment 5 includes the area south of Segment 4, adjacent to and northwest of East Cypress Road at Jersey Island Road, replacement of the box culverts or siphons under East Cypress Road, and all remaining open Canal located between East Cypress Road and the flood isolation structure at the Rock Slough Fish Screen Area.

2.1.2 Agreements supporting Completion of Segment 5

Grand Cypress Preserve Canal Improvement Agreement

The District is in the process of entering into a modified Canal Improvement Project agreement with the Grand Cypress Preserve Developer, ACD-TI. This modified agreement replaces the 2005 agreement⁴. The modified Canal Improvement Agreement may require that ACD-TI replace the Segment 5A portion of the unlined Canal as described below:

The "ACD Canal Improvements" shall mean: (i) a 10' diameter concrete encapsulated pipeline covering a distance of up to 1,100 linear feet⁵ to be constructed as replacement of the existing open-air canal, extending from the end of "Segment 4" through the new and existing East Cypress Road improvements; all within the Bureau's ROW; and (ii) siphons and other ancillary equipment and improvements associated with (i) above, all to be finalized in a definitive scope of work to be produced by ACD and approved by the District in its reasonable discretion pursuant to the Design Construction Agreement, and separately approved by the Bureau.

The District Board of Directors approved entering into the new agreement on June 1, 2022, and the District expects ACD-TI to enter into this agreement when the Coordination Agreement is signed (see below) and before Segment 5A can commence.

Grand Cypress Preserve Design and Construction Agreement

Should the Canal Improvement Agreement be signed, and ACD-TI thereby agrees to construct Segment 5A, then a Design and Construction Agreement will be required to specify the District's conditions and requirements for the design and construction of Segment 5A, including their need to follow all the CCWD and Reclamation environmental and permit requirements for the Canal Replacement Project. The District expects this agreement to be executed after the Canal

⁴ The District entered into a Memorandum of Agreement with housing developers for the East Cypress Corridor on November 7, 2005. This agreement required developers to pay fees towards the Canal Replacement Project and to address replacement of the Canal so that East Cypress Road can be widened.

⁵ Currently proposed to be 650 feet.

Improvement and Coordination agreements are executed. However, the District continues to have the right to complete construction for all portions of the unlined Canal if needed.

Grand Cypress Preserve Coordination Agreement

The District may enter into a Coordination agreement with ACD-TI that will allow the District to access temporary staging areas (“license areas”) on ACD-TI property, as an alternative to the District’s planned use of a 200-foot adjacent area. The agreement also allows an exchange of soil and a temporary pipeline alignment from the Rock Slough Fish Screen to Sand Mound Slough to support the dewatering for Segment 5. If the Coordination Agreement is not entered into or if ACD-TI elects not to provide temporary staging areas and an exchange of soil, CCWD will default to using a 200-foot strip of property adjacent to the existing Canal right-of-way and a 20-foot-wide strip of land for the dewatering pipeline.

Reclamation District 799

Reclamation District 799 (RD 799) has requested that the District enter into an agreement to support the use of the Rock Slough and Sandmound Slough levees for the purpose of placing a groundwater dewatering line. Though RD 799 is not the owner of this property, the RD 799 currently maintain these levees and hold easement rights.

Pacific Gas and Electric Company and Western Area Power Agency

The proposed groundwater line will cross Pacific Gas and Electric Company (PG&E) and Western Area Power Agency (WAPA) utility easements along the northern levee of Rock Slough. PG&E has two high voltage transmission lines and a natural gas pipeline easement. WAPA has two transmission line easements. Agreements with these agencies may be required prior to installation of the groundwater dewatering line on the Rock Slough levee.

Construction timing

Table 2 presents the schedule for construction of the 6,400 feet of Segment 5B planned by the District for 2022 through June 2024.

Table 3 presents the anticipated schedule for constructing the remaining 650 feet of Canal replacement on and around East Cypress Road (Segment 5A). It is expected that this work will require two construction seasons. If a portion of Segment 5A could occur at the same time as 6,400-foot Segment 5B, then the entire Canal replacement could be completed in 2024. The timing as to when Segment 5A (650-foot section) will be replaced by ACD-TI or by CCWD is not yet known but should occur prior to August 2027 when the District’s U.S. Army Corps of Engineers 404 Permit expires.

Table 2
Construction of Segment 5B, 6,400 feet
Illustrative Construction Schedule 2022 to 2023

Activity Window	Activity Type	Construction Duration (within Activity Window)
September to October 15, 2022 May 2023	Clearing, Grubbing	45 days
Spring-Summer 2023 April to August	Coffer Dams, Staging Area Construction, Canal Unwatering	3 months
Spring-Summer 2023 April to August	Install Groundwater Dewatering Wells	1 month
May 2023	Fish Rescue (after coffer dam is installed) and Canal is largely unwatered.	1 to 3 weeks
June to November 2023	Pipeline Construction (First Year), construction to continue provided conditions in the field are dry enough and shallow groundwater can be disposed.	6 months
September to June 2024	Surface Restoration, Perimeter Fencing, Restore Staging Areas, and Temporary Impacts.	2 months

Table 3
Construction of Segment 5A, (200 feet near end of Segment 4, 250 feet East Cypress Road
Siphon and 200 feet of open Canal south of East Cypress Road)
Illustrative Consecutive Two Season Construction Schedule from September 2023 to August
2027

Activity Window	Activity Type	Construction Duration (within Activity Window)
September to October 15, 2023, 2024, 2025 May 2024, 2025, 2026	Clearing, Grubbing	45 days
Spring-Summer 2024, 2025, 2026,2027 April to August	Coffer Dams, Staging Area Construction, Canal Unwatering	3 months
Spring-Summer 2024, 2025, 2026, 2027 April to August	Install Groundwater Dewatering Wells	1 month
May 2024, 2025, 2026	Fish Rescue (after coffer dam is installed) and Canal is largely unwatered.	1 to 3 weeks
June to November 2024, 2025, 2026	Pipeline Construction (First Year), construction to continue provided conditions in the field are dry enough and shallow groundwater can be disposed.	6 months
April to August 2026, 2026, 2027	Pipeline Construction (Second Year), construction to continue provided conditions in the field are dry enough and shallow groundwater can be disposed.	6 months
September to December 2024,2025, 2026, September to December 2025, 2026, 2027	Surface Restoration, Perimeter Fencing, Restore Staging Areas, and Temporary Impacts.	2 months

2.1.3 This addendum addresses the following elements:

1. Groundwater Dewatering Plan
2. Updated Project Staging Areas
3. Final Grading Plans for Segment 5 including the importation of 6,000 to 26,000 cubic yards of soil.
4. Adjacent Projects
5. Amend Regulatory Permits

A summary of the items above is provided in Table 4.

Table 4
Completion of Segment 5 Implementation Plan

2022 Project Activity	2006/2007 Canal Replacement Project	Project Changes	Impacts Assessment	Proposed Conditions
1. Dewatering Plan	Groundwater to land application using agricultural lands or 100-acre detention basins.	To lower effluent salinity, and avoid high pH discharge, groundwater will be diluted with surface water obtained from the RSFS afterbay. The diluted groundwater will be discharged on the downstream side of the Sand Mound Slough Flap Gate.	CCWD will follow the terms of the limited threat discharge permit.	The amount of dilution water to be used is based on lowering the blended discharge electrical conductivity out of the pipeline to below the toxicity threshold for <i>C. dubia</i> (water flea).
2. Staging Areas	No assumed staging area along Segment 5 in the original 2006/07 Canal Replacement Project.	Segment 5 construction (6,400 feet): Staging area plan depends on the CCWD-Developer (ACD-TI) agreement. CCWD has permit authorization from the CDFW to use a 200-foot strip adjacent to Segment 5. If that is	Staging areas are located outside of sensitive wetland and archeological sites.	All staging areas are temporary.

2022 Project Activity	2006/2007 Canal Replacement Project	Project Changes	Impacts Assessment	Proposed Conditions
		not available, then CCWD will use four ACD-TI permitted staging areas near Segment 5. Three of the staging areas will be used to place muck from the unlined Canal. A 20-foot strip will be used to provide 29,500 cubic yards to make up for the muck not returned to CCWD. For completion of the remaining portions of Segment 5A (650 feet) staging will be within the existing Canal right of way		
3. Segment 5 Final Elevation	Project elevation will be no lower than the adjacent landscape.	Segment 5 project elevation is expected to be equivalent or higher than adjacent properties. Will require the importation of clean fill of at least 6,000 cubic yards and up to 26,000 cubic yards.	No new impacts will occur from the fine-tuning of these grading details.	Imported soil will be from a site that has undergone review and approval under Section 106 of the National Historic Preservation Act.
4. Adjacent Projects	East Cypress Corridor Specific Plan Including the Grand Cypress Preserve, Summer Lakes North, Emerson Ranch, Gilbert, Burroughs, Baldocchi and	Housing development has occurred much more slowly than expected. CCWD has added the Pumping Plant 1 replacement project.	Starting in 2022 housing development has slowed.	Replacement of the Canal does not limit adjacent projects.

2022 Project Activity	2006/2007 Canal Replacement Project	Project Changes	Impacts Assessment	Proposed Conditions
	DWR Tidal Restoration Project, All the above projects were expected to be completed by 2016			
5. Permit extensions, and other permit amendments as required	Corps Permit for Segments 1-5 expires on August 1, 2022. Obtain updated Limited Threat Discharge permit (see dewatering plan above).	Project is extending beyond August 1, 2022. Permit extension is required.	No change to existing Corps Permit.	Corps Permit extension obtained until August 1, 2027.

1. Groundwater Dewatering Plan

Prior Canal Replacement Project Segments Dewatering Approaches

The 2006 CEQA IS/MND assumed discharge of groundwater to existing agricultural areas for irrigation or temporary 100-acre detention basins and approximately 1.76 million gallons per day (mgd) of shallow groundwater. Segment 1 dewatering of approximately 2 mgd was implemented through disposal to adjacent ranch lands at agronomic rates. Segment 2 dewatering of approximately 5 mgd (over about 150 days) was implemented through Central Valley Regional Water Quality Control Board (CVRWQCB) limited threat discharge dewatering permits. Only a small portion of the ground water during Segment 2 construction was discharged via the CVRWQCB Land Discharge Permit to adjacent ranch property while most of the dewatering was discharged to the unlined Canal or Rock Slough under a CVRWQCB Limited Threat Discharge Permit. Segments 3 and 4 also discharged the water to Rock Slough under the Limited Threat Discharge Permit

As in Segments 3 and 4, shallow groundwater along Segment 5 needs to be removed from the work areas to allow the new pipeline to be installed in dry soil. Shallow dewatering wells (spread 30 to 50 feet apart) would be installed within the Canal project work area and would pump groundwater into a collection pipe. Pumped groundwater flow from the dewatering wells is anticipated to average 0.5 to 2.5 mgd depending on how much area within the unlined Canal right of way is being dewatered. As with Segments 3 and 4, land application is not feasible for Segment 5. CCWD expects that during construction removed groundwater will be discharged under the February 1, 2022, CVRWQCB Limited Threat Discharge Permit (Order R5- 2022-0006).

During Segment 2 dewatering a portion of the groundwater discharge experienced high salinity and CCWD was unable to satisfy chronic toxicity testing requirements under Order R5 2013-0073-029. To ensure that chronic toxicity testing requirements could be satisfied for Segment 3 and 4 construction, dilution water was added from CCWD's Old and Middle River Intake or Los Vaqueros reservoir at Pumping Plant No 4. The Segment 3 and 4 dilution water was back-flowed approximately 3 miles within the lined Canal to Pumping Plant No. 1 and then taken another 1.5 miles within the Segment 1 and 2 pipeline. The dilution water was then added to the groundwater with the goal of reducing EC to lower than 2,000 $\mu\text{S}/\text{cm}$. With the use of dilution water CCWD was then able to pass the chronic toxicity test for Segments 3 and 4.

During Segment 3 and 4 dewatering, the pH associated with the groundwater/dilution water discharge at times exceeded the CVRWQCB threshold of 8.5. The cause of the high pH was determined to be related to the backflow of the dilution water through the 3-miles of lined Canal between PP4 and PP1. Low flow rates through the lined Canal between PP4 and PP1 resulted in algae growth that elevated the pH of the dilution water, which in turn elevated the pH for the combined discharge.

CV Salts Program

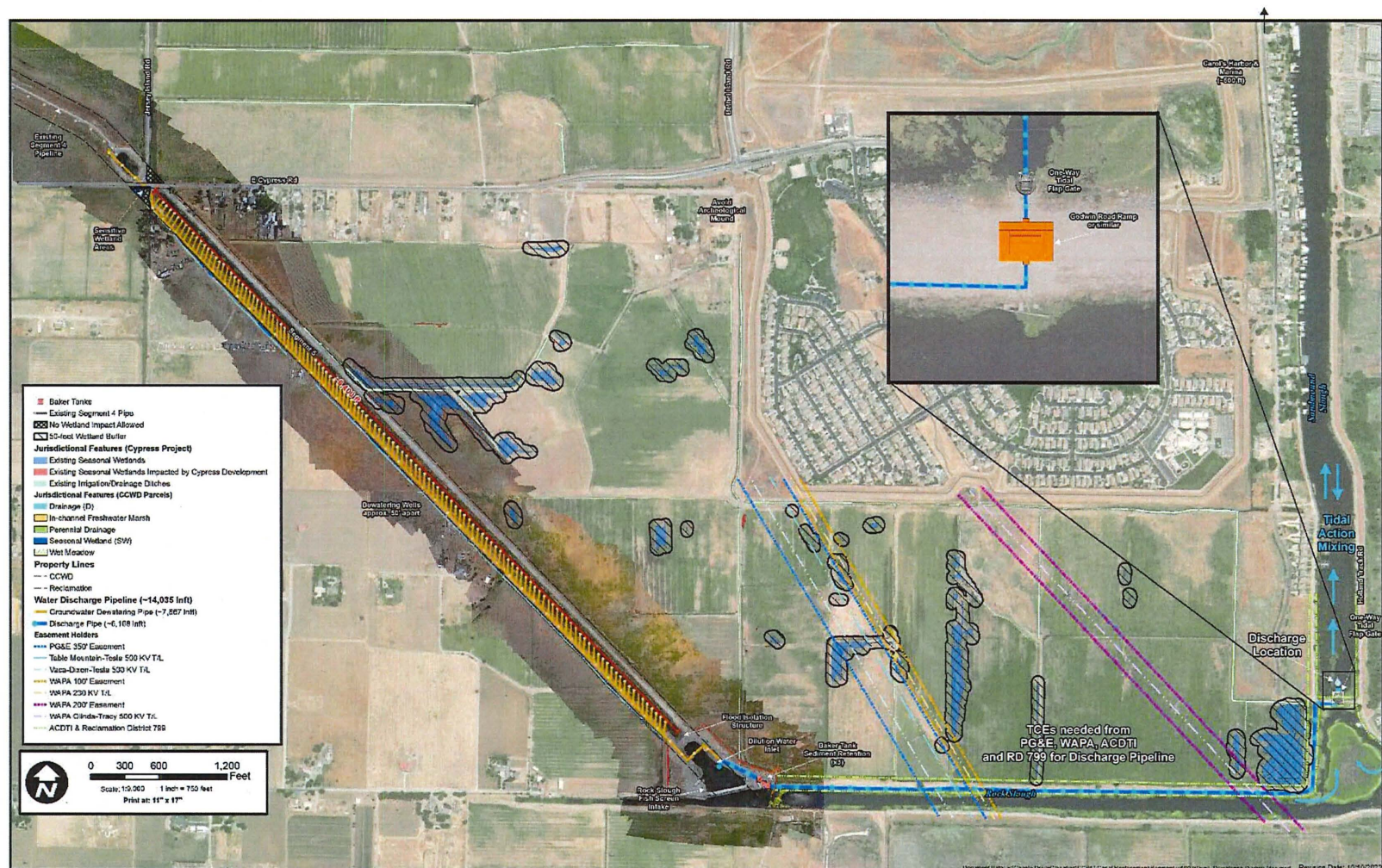
In 2021 the District enrolled in the Central Valley Regional Water Quality Control Board Salt Control Program (CV Salts ID 3326). CCWD has registered the Canal Replacement Project under the Alternative Salinity Permitting Approach and has paid the required fees as determined by the Central Valley Salinity Coalition.

Segment 5 Dewatering Plan

In June/July of 2022 CCWD ground water testing showed an EC of 4,600 $\mu\text{S}/\text{cm}$ and a pH of 7.75 along Segment 5. To meet the EC threshold of 2,000 $\mu\text{S}/\text{cm}$ and to avoid elevating the pH above CVRWQCB thresholds, the District intends to use dilution water from behind the Rock Slough Fish Screen.

To ensure that the discharge of the groundwater with the dilution water does not recirculate within Rock Slough, CCWD intends to discharge into Sand Mound Slough on the downstream side of the Reclamation Flap Gate. The Flap Gate allows one-way flow of river water south to north into Sand Mound Slough and doesn't allow reverse flow back into Rock Slough.

Temporary construction easements (TCEs) may be needed from ACD-TI, RD 799, PG&E and WAPA to address the need for a combined dewatering/dilution discharge pipeline from the RSFS to Sand Mound Slough. If needed, the District intends to obtain TCEs from the above entities prior to the construction timeframe (See Figure 4).



To lower the salinity of the discharge stream, fresh water diverted from behind the RSFS (dilution water) will be blended with the groundwater. Dilution water will be blended at 2 parts dilution water to 1 part groundwater. Estimated dilution water levels during 2023 construction are anticipated to vary between 2 and 5.0 mgd⁶ on average over each month and will be blended with groundwater as construction progresses (Table 5).

The estimated total dilution water needed for 2023 (for the 6,400 feet of Segment 5B construction) totals 1,875-acre feet relative to 938 acre-feet of groundwater. Provided work continues in 2024 (for the 650 feet of Segment 5A construction), dilution water would total 470 acre-feet relative to 235 acre-feet of groundwater.

Dilution water will be diverted from behind the Rock Slough Fish Screen. There is an existing local irrigation water right for 800 acre-feet per year that may be available to support the dilution operations, and any additional dilution supply needed would be diverted under CCWD's CVP contract or other water supplies.

Rapid mixing of the groundwater and freshwater is expected to occur prior to discharge. CCWD's Segment 5 groundwater dilution plan was carefully designed to mix and lower salinity well before the point of discharge into Sand Mound Slough and to avoid elevating pH above CVRWQCB thresholds.

Table 6 illustrates the potential for elevated pH occurring in the combined discharge. Using conservative historical pH data from the Rock Slough Fish Screen indicates that the discharge pH exceeding 8.5 could possibly occur in August. Should this occur, it will be due to the natural background levels of pH being elevated in Rock Slough and in the greater Delta.

Groundwater dewatering activities would employ electric motors and pumps. Power would be used from the PG&E local transmission lines with a temporary power line service drop for the project, augmented by standby generators in the event of electrical power supply interruptions or other emergency conditions. The District may also need to use diesel generators to remove water from the Canal if electrical power is not available. Efforts would be made to minimize the number of hours that diesel generators are used.

⁶ Daily dilution water levels could be as high as 7.6 mgd to meet the maximum expected groundwater discharge of 3.8mgd.

Table 5
Estimated Discharge Volumes and EC during
construction of 6,400 feet of Segment 5A Canal
Replacement, 2023

	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Dilution Water mgd	2	3	4	5	4	2
Dilution Water ⁷ EC $\mu\text{S}/\text{cm}$	527	511	594	693	536	609
Dewatering Water mgd	1	1.5	2	2.5	2	1
Dewatering Water EC $\mu\text{S}/\text{cm}$	4,600	4,600	4,600	4,600	4,600	4,600
Total discharge mgd	3	4.5	6	7.5	6	3
Discharge EC $\mu\text{S}/\text{cm}$	1,885	1,874	1,929	1,996	1,890	1,939

Estimated Discharge Volumes and EC (650 feet of Segment 5B Canal Replacement)
Between 2024 to 2027

	Apr-	May-	Jun-	Jul-	Aug-
Dilution Water mgd	1	1	1	1	1
Dilution Water EC $\mu\text{S}/\text{cm}$	403	440	527	511	594
Dewatering Water mgd	0.5	0.5	0.5	0.5	0.5
Dewatering Water EC $\mu\text{S}/\text{cm}$	4,600	4,600	4,600	4,600	4,600
Total discharge mgd	1.5	1.5	1.5	1.5	1.5
Discharge EC $\mu\text{S}/\text{cm}$	1802	1827	1885	1874	1929

⁷ Actual average EC Data from the Rock Slough Fish Screen between 2013 and 2022

Table 6

**Estimated Discharge Volumes and pH during
construction of 6,400 feet of Segment 5A Canal
Replacement, 2023**

	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23
Dilution Water mgd	2	3	4	5	4	2
Dilution Water pH ⁸	7.78	8.08	9.02	8.52	8.74	8.74
Dewatering Water mgd	1	1.5	2	2.5	2	1
Dewatering Water pH	7.75	7.75	7.75	7.75	7.75	7.75
Total discharge mgd	3	4.5	6	7.5	6	3
Potential for Discharge pH to exceed 8.5	No	No	Yes	No	No	No

**Estimated Discharge Volumes and pH (650 feet of Segment 5B Canal Replacement)
Between 2024 to 2027**

	Apr-	May-	Jun-	Jul-	Aug-
Dilution Water mgd	1	1	1	1	1
Dilution Water pH	8.13	7.88	7.78	8.08	9.02
Dewatering Water mgd	0.5	0.5	0.5	0.5	0.5
Dewatering Water pH	7.75	7.75	7.75	7.75	7.75
Total discharge mgd	1.5	1.5	1.5	1.5	1.5
Potential for Discharge pH to exceed 8.5	No	No	No	No	Yes

⁸ Dilution water pH from data at the Rock Slough Fish Screen between 2016 and 2019. Limited data available. Tables use the highest daily recorded pH in each month when dilution water will be used.

2. Segment 5 Planned Staging Areas

The 2006 CEQA did not include any staging or work areas for Segment 5 construction, however, a 200-foot area adjacent to Segment 5 was included and analyzed in Addendum 4 and is depicted in Figure 4. The District obtained a major permit amendment from the California Department of Fish and Wildlife for the 200-foot area adjacent to Segment 5 in 2017. The 200-foot staging area will not impact known wetlands adjacent to the Canal. The District will work around those features consistent with the wetland maps approved for the Grand Cypress Preserve. CCWD continues to coordinate and negotiate with ACD-TI to determine if they will provide a TCE for the 200-foot area. If this staging area is used, CCWD will grade it after May 1, 2023 (see Figure 4) once the hibernation period of the Giant Garter Snake has ended (October 1 to May 1).

An alternative staging plan may be pursued that doesn't require the 200-foot TCE. In this circumstance ACD-TI will establish a 20-foot strip adjacent to the Segment 5 right of way and three interior staging areas, as part of their development grading, that can be accessed via temporary roads on ACD-TI property. Figure 5 illustrates the four planned ACD-TI established construction staging areas and temporary construction roads.

The 20-foot strip would be used for project laydown and staging, while the three interior areas would be used to support the storage of dirt during construction. ACD-TI intends to accept the soils removed from the unlined Canal on the three staging areas and provide CCWD with 29,500 cubic yards of fill material along the 20-foot strip. After the canal soils have dried, ACD-TI has indicated that they intend to reuse the soils according to their project specific requirements.

Construction of the Segment 5A (650-feet total) at the end of Segment 4 and the area south of East Cypress Road will be staged within the Reclamation right of way as illustrated in Figure 6. Approximately 4 acres of staging is assumed to be sufficient for construction on either side of East Cypress Road.

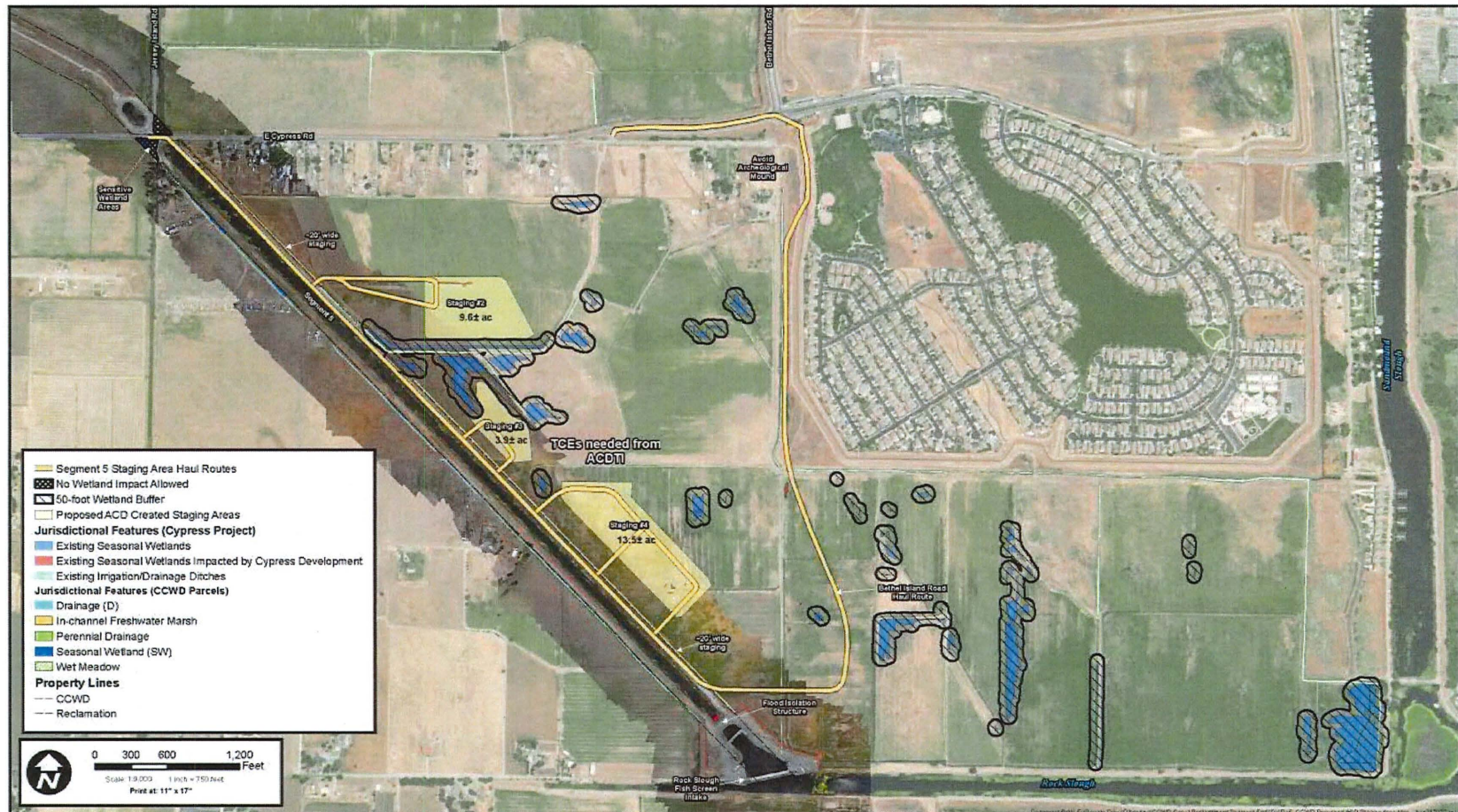


Figure 6: Alternative ACD-TI Permitted Staging for Areas Segment 5B Construction
Contra Costa Canal Replacement Project
Addendum #6



Figure 7: Staging Areas for Segment 5A (North and South of East Cypress Road) Construction
 Contra Costa Canal Replacement Project
 Addendum #6

3. Final Grading Plans for Segment 5 including the import of 6,000 to 26,000 cubic yards of soil.

The 2006 IS/MND on pages 2-16 and 2-17 discusses Surface Reclamation as follows:

"The final grade of the pipeline would not be below the grade of the pre-project site." (Page 2-16) and "On completion of pipeline installation, the canal cross-section would be filled, compacted, and restored to an elevation approximately equal to the surrounding ROW" (page 2-17)

Following completion of Segments 3 and 4 significant ponding occurred on portions of Segment 3. The final restoration elevation of Segment 3 has resulted in elevations that are on the order of 2 to 3 feet below the adjacent properties. Portion of the Segment 3 ROW are as low as 2.3 feet while the access road sits around 5.7 feet. On the north side of Segment 3 the Department of Water Resources (DWR) has developed tidal wetlands. It is possible that these wetland areas in combination with the low elevation have triggered shallow groundwater to seep into a portion of the Reclamation right-of-way within Segment 3. The District has obtained United States Army Corps of Engineers confirmation⁹ that these low-lying areas within Segment 3 are non-jurisdictional and can be filled as part of a remediation plan for Segment 3 and 4 construction.

For the completion of Segment 5 the final grade is estimated at around 5.5 to 5.7 feet and is generally higher than the existing surrounding grade. On the development side (the Grand Cypress Preserve) most of the mapped areas are between 4 to 6 feet in elevation. On the non-development side, elevation range from 2 to 8 feet and there are numerous jurisdictional wetland ditches.

The District requires 6,000 cubic yards of clean fill to be imported from a yet to be determined offsite location. The District may also need 20,000 cubic yards of additional fill if ACD-TI does not provide fill in exchange for the canal soils. The exact location as to where this fill material may come from has yet to be determined. CCWD will ensure that any fill material it obtains is previously reviewed by the State Historic Preservation Office (SHPO) to meet Reclamation Section 106 requirements under the National Historic Preservation Act.

⁹ August 25, 2022, Letter from Mary Pakenham-Walsh, Chief, CA Delta Section, Regulatory Division to Mark Seedall, Principal Planner, Contra Costa Water District (identification number SPK-2021-00532)

4. Adjacent Project Update

The 2006 MND included a discussion related to various projects in the vicinity of the entire Canal Replacement Project. Table 7 provides a brief update on the various projects near the unlined Canal since the 2006 CEQA. The completion of Segment 5 is not expected to conflict with ongoing projects in this area. Figure 7 provides an overview of adjacent projects near the unlined Canal:

Table 7
Adjacent Project Update

Project	Included in 2006 CEQA	Status as of October 2022
Cypress Grove	Yes	Started/Completed
North Dutch Slough Properties	Yes	Completed
Emerson Ranch	Yes	Completed
Gilbert	Yes	No.
Burroughs	Yes	Under Construction
Baldocci/Westerly Annexation		
Dutch Slough Community Park	Yes	No
DWR Dutch Slough Tidal Restoration	Yes	Partially completed
Emerson Property		Yes
Gilbert Property		Yes
Burroughs Property		Burroughs restoration to start in 2024
East Cypress Corridor Specific Plan	Yes	
Summer Lakes South	Yes	Fully constructed
Summer Lakes North	Yes	Construction started in 2022
Grand Cypress Preserve	Yes	North Preserve Mitigation Site construction in 2021
Pumping Plant 1 Replacement	No	No. Part of the Los Vaqueros Expansion Project

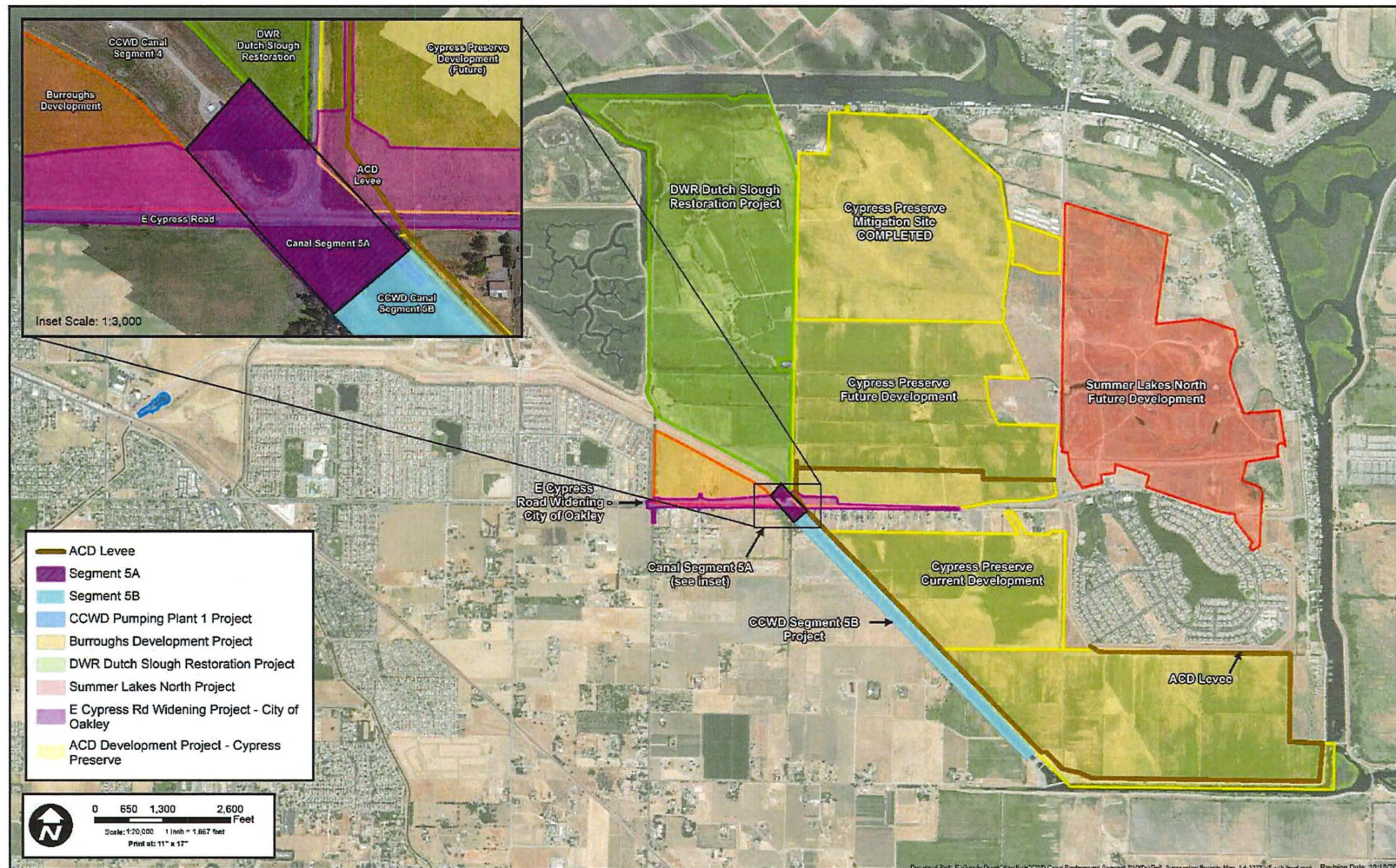


Figure 8: Adjacent Projects Map Relative to Segment 5 Construction
 Contra Costa Canal Replacement Project
 Addendum #6

5. Extend/Update Corps Permit and other Permits as Required

Table 8 provides a summary and status of the permits required to complete Segment 5. CCWD obtained a 10-year Corps 404 permit that was extended five years in 2017 and expired August 1, 2022. The Corps has extended this permit for five additional years (until August 1, 2027) to allow for completion of Segment 5.

**Table 7.
Canal Replacement Project
Permit Status
Completion of Segment 5**

Agency	Date Approved/ Conditions/Comments	Status
United States Army Corps of Engineers 404 Permit	10-year permit approved in 2007. -5-year permit extension expired August 1, 2022. Extension requested March 31, 2022.	Corps granted extension on June 28, 2022; good through August 1, 2027.
Central Valley Regional Water Quality Control Board 401 Permit	Original permit approved March 26, 2007.	Permit good for the life of the Project. Notify the CVRWQCB at the start of any in-water work activity.
Central Valley Regional Water Quality Control Board Dewatering Discharge to Land	Approved on June 16, 2009 for Segment 1 (2003-0003-DWQ-0043). Included land discharge to Ironhouse Sanitation District and DWR Emerson Properties. Updated on June 19, 2013 for Segment 2-5 (R5-2009-0827) Included DWR Emerson, Gilbert and Burroughs and Biggs properties.	Permits remain active. Land application not planned for this project at this time.
Central Valley Regional Water Quality Control Board, Limited Threat Discharge Permit	Approved on June 12, 2013 (R5-2013-0073-029). Used for Segment 2. Approved June 19, 2017, for Segment 3 and 4 (R5-2016-0076-008).	CCWD now enrolled in R5-2022-0006 pending receipt of updated Notice of Applicability for this project.
CA Department of Fish and Wildlife 1600 Permit (25-year permit)	Approved September 18, 2007 (1600-2007-0022-3). Amended September 9, 2013. Amended November 7, 2017.	Good to December 31, 2028. Amendment required to reflect modification of staging areas.
CA Department of Fish and Wildlife 2081 Permit Giant Garter Snake (Segments 2-5)	Permit amended in 2013. Current permit expires on December 31, 2023.	Most of the construction work on Segment 5 is expected to be completed by the end of 2023.
State Historic Preservation Office MOU	Approved in October 2007.	Good for the life of the Project.

Agency	Date Approved/ Conditions/Comments	Status
National Marine Fisheries Service Letters of Concurrence	Approved June 11, 2007. Re-initiation of consultation July 11, 2013, to reflect installation of the RSFS.	No further consultation required
USFWS Biological Opinion (BiOp)	Approved June 21, 2007, and amended September 9, 2013, to reflect installation of the RSFS.	No further consultation required.
US Fish and Wildlife Coordination Act Letter	Approved in July 2007 and amended August 29, 2013. USFWS confirms that Coordination Act review from 2007 is still applicable.	No update required.
Bureau of Reclamation/Western Area Power Administration NEPA EA/FONSIs	Approved in July 2007. EA/FONSI for Segment 2 issued September 12, 2013.	Pending review by Reclamation. No Supplemental EA/FONSI expected.

SECTION 3

ANALYSIS OF POTENTIAL ENVIRONMENTAL EFFECTS

The CCCRP MND (including the 2006 Draft & Final MND) focused on evaluation of potential environmental effects associated with project construction, as well as future operations with the Canal converted to a pipeline. The categories evaluated for environmental effects included: aesthetics, air quality, agricultural resources, biological resources, cultural resources, geology, seismicity, and soils, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation/traffic, and utilities and service systems.

Addendum No.2 and No 5 included a greenhouse gas emissions evaluation for imported fill material and for use of generators rather than PG&E power, respectively.

Addendum No. 4 addressed the biological effects of discharging dewatering/dilution water.

This evaluation determines whether proposed changes to the CCCRP would result in any new significant impacts or substantially more severe impacts than identified in the MND and subsequent addenda. The MND (Chapter 3) describes the criteria used in determining the significance of environmental impacts.

Impact areas that are not affected by CEQA Addendum 6 include:

Aesthetics
Air Quality
Agricultural Resources
Biological Resources
Cultural Resources
Geology, Seismicity, and Soils
Greenhouse Gas Emissions
Hazards & Hazardous Materials
Hydrology & Water Quality
Land Use Planning
Mineral Resources
Population & Housing
Public Services
Recreation
Transportation/Traffic
Utilities & Service Systems

MANDATORY FINDINGS OF SIGNIFICANCE

Mitigation measures from the November 30, 2006, IS/MND adopted by the CCWD Board of Directors, and subsequent addenda, will minimize and avoid potentially significant impacts to air quality, biological resources, cultural resources, hazards and hazardous materials, hydrology and water quality, land use and planning, mineral resources, noise, population and housing, public services, recreation, transportation/traffic, and utilities and service systems.

The project does not have the potential to substantially 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; substantially reduce the number or restrict the range of an endangered, rare, or threatened species; or eliminate important examples of the major periods of California history or prehistory.

Project impacts are short-term and related to construction activities and are not anticipated to combine with effects of other projects to result in cumulatively considerable impacts. The project will not cause substantial adverse effects on human beings, either directly or indirectly.

Less Than Significant Impact

SECTION 4

CONCLUSION

No important revisions are needed in the CCWD CCCRP MND. No further evaluation is required, and no supplemental or subsequent MND is needed pursuant to state CEQA Guidelines Sections 15162 and 15164.

Based on the analysis and discussion in Sections 2 and 3, there are no new significant impacts or substantially more severe impacts that would result from the Segments 5 construction. The project area's circumstances have not changed enough that new significant environmental impacts or substantially more severe impacts would result. Moreover, no new information has become known that would indicate the potential for new significant impacts or substantially more severe impacts than were discussed in the MND and addenda.

The Segments 5 project with implemented mitigation measures would result in impacts no greater than those attributable to the originally proposed project.

CONTRIBUTORS

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