

**Meeting of the Central Valley Flood Protection Board
July 27, 2012**

Staff Report – Encroachment Permit

**California American Water
Pipeline, Placer County**

1.0 – ITEM

Consider approval of Permit No. 18758 (Attachment B)

2.0 – APPLICANT

California American Water

3.0 – LOCATION

The project is located on the left bank of the Dry Creek Designated Floodway (Dry Creek Designated Floodway, Placer County, see Attachment A)

4.0 – DESCRIPTION

Applicant proposes to realign approximately 130 feet of an existing water pipeline.

5.0 – PROJECT ANALYSIS

The proposed realignment to the existing water pipeline is needed because of the Cook Riolo Road Bridge replacement project. The existing water pipeline was inside the footprint of the new south bridge abutment therefore needed to be realigned. As the proposed work has no impact to flood control and this is a needed modification to an existing water system no further analysis is required.

5.1 – Hydraulic Analysis

No hydraulic analysis is needed because all work is under the left bank of the Dry Creek Designated Floodway.

5.2 – Geotechnical Analysis

A geotechnical analysis is not needed as one was performed for the bridge abutment reconstruction that caused the need to realign the water pipe.

6.0 – AGENCY COMMENTS AND ENDORSEMENTS

The comments and endorsements associated with this project, from all pertinent agencies are shown below:

- The U.S. Army Corps of Engineers 208.10 comment letter has been received for this application. The USACE District Engineer has no objection to the project, subject to conditions. The letter is incorporated into the permit as Exhibit A.

7.0 – CEQA ANALYSIS

The Board, as a responsible agency under CEQA, has reviewed the Initial Study/ Mitigated Negative Declaration (June 2008, SCH No. 2008102099) and Mitigation Monitoring Plan for the Cook-Riolo Road Bridge Replacement Project, prepared by the lead agency, Placer County. These documents, including project design and the Placer County's resolution may be viewed or downloaded from the Central Valley Flood Protection Board website at <http://www.cvpfb.ca.gov/meetings/2012/07-27-2012.cfm> under a link for this agenda item. The documents are also available for review in hard copy at the Board and County offices.

Placer County determined that the project would not have a significant effect on the environment and adopted Resolution 2009-5 on January 13, 2009. Subsequently, the Notice of Determination was filed with the County Clerk of Placer County and the State Clearinghouse on January 23, 2009. Board staff finds that although the proposed project could have a potentially 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. The project proponent has incorporated mandatory mitigation measures into the project plans to avoid identified impacts or to mitigate such impacts to a point where no significant impacts will occur. These mitigation measures

are included in the project proponent's Mitigation Monitoring Plan and address impacts to air quality, geology, hazardous materials, hydrology and water quality, biological resources, and cultural resources. The description of the mitigation measures are further described in the adopted Initial Study/Mitigated Negative Declaration

8.0 – SECTION 8610.5 CONSIDERATIONS

1. Evidence that the Board admits into its record from any party, State or local public agency, or nongovernmental organization with expertise in flood or flood plain management:

The Board will make its decision based on the evidence in the permit application and attachments, this staff report, and any other evidence presented by any individual or group.

2. The best available science that related to the scientific issues presented by the executive officer, legal counsel, the Department or other parties that raise credible scientific issues.

The accepted industry standards for the work proposed under this permit as regulated by Title 23 have been applied to the review of this permit.

3. Effects of the decision on the entire State Plan of Flood Control:

There will be no effects on the entire State Plan of Flood Control

4. Effects of reasonable projected future events, including, but not limited to, changes in hydrology, climate, and development within the applicable watershed:

As the proposed project is under the left bank of the Dry Creek Designated Floodway there will be effects to the project from reasonable projected future events.

9.0 – STAFF RECOMMENDATION

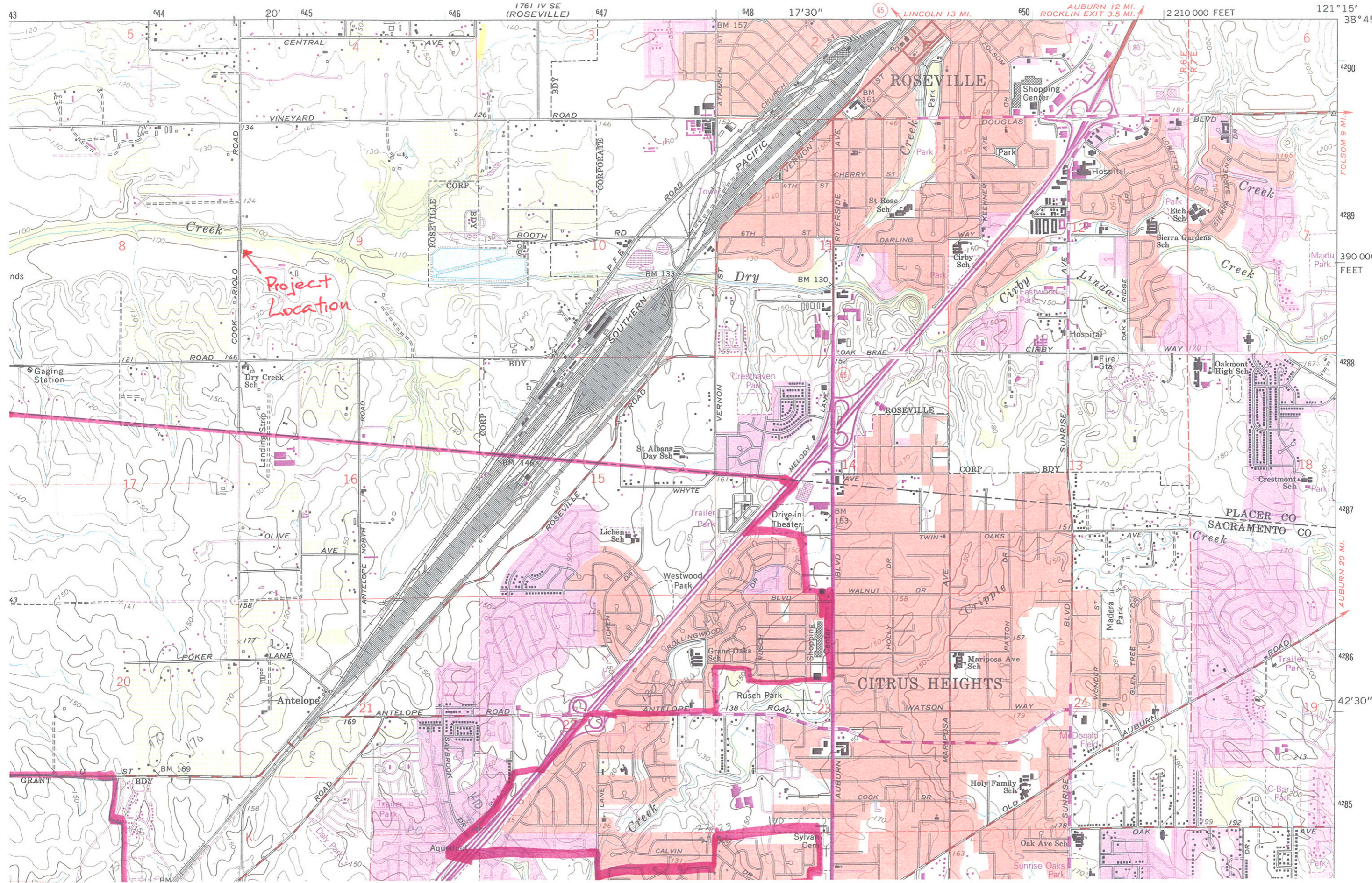
Staff recommends that the Board adopt the CEQA findings, approve the permit, and direct staff to file a Notice of Determination with the State Clearinghouse.

10.0 – LIST OF ATTACHMENTS

- A. Location Maps and photos
- B. Draft Permit No. 18758
- C. Drawings

Design Review:	Steve Dawson
Environmental Review:	James Herota / Andrea Mauro
Document Review:	Mitra Emami P.E. / Len Marino P.E.

CITRUS HEIGHTS QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)
NE/4 FAIR OAKS 15' QUADRANGLE





DRAFT

STATE OF CALIFORNIA
THE RESOURCES AGENCY
THE CENTRAL VALLEY FLOOD PROTECTION BOARD

PERMIT NO. 18758 BD

This Permit is issued to:

California American Water
4701 Beloit Drive
Sacramento, California 95838

To realign approximately 130 feet of an existing water pipeline. The project is located on the left bank of Dry Creek Designated Floodway at Cook Riolo Road in Placer County. (Section 9, T10N, R6E, MDB&M, Dry Creek, Placer County).

NOTE: Special Conditions have been incorporated herein which may place limitations on and/or require modification of your proposed project as described above.

(SEAL)

Dated: _____

Executive Officer

GENERAL CONDITIONS:

ONE: This permit is issued under the provisions of Sections 8700 – 8723 of the Water Code.

TWO: Only work described in the subject application is authorized hereby.

THREE: This permit does not grant a right to use or construct works on land owned by the Sacramento and San Joaquin Drainage District or on any other land.

FOUR: The approved work shall be accomplished under the direction and supervision of the State Department of Water Resources, and the permittee shall conform to all requirements of the Department and The Central Valley Flood Protection Board.

FIVE: Unless the work herein contemplated shall have been commenced within one year after issuance of this permit, the Board reserves the right to change any conditions in this permit as may be consistent with current flood control standards and policies of The Central Valley Flood Protection Board.

SIX: This permit shall remain in effect until revoked. In the event any conditions in this permit are not complied with, it may be revoked on 15 days' notice.

SEVEN: It is understood and agreed to by the permittee that the start of any work under this permit shall constitute an acceptance of the conditions in this permit and an agreement to perform work in accordance therewith.

EIGHT: This permit does not establish any precedent with respect to any other application received by The Central Valley Flood Protection Board.

NINE: The permittee shall, when required by law, secure the written order or consent from all other public agencies having jurisdiction.

TEN: The permittee is responsible for all personal liability and property damage which may arise out of failure on the permittee's part to perform the obligations under this permit. If any claim of liability is made against the State of California, or any departments thereof, the United States of America, a local district or other maintaining agencies and the officers, agents or employees thereof, the permittee shall defend and shall hold each of them harmless from each claim.

ELEVEN: The permittee shall exercise reasonable care to operate and maintain any work authorized herein to preclude injury to or damage to any works necessary to any plan of flood control adopted by the Board or the Legislature, or interfere with the successful execution, functioning or operation of any plan of flood control adopted by the Board or the Legislature.

TWELVE: Should any of the work not conform to the conditions of this permit, the permittee, upon order of The Central Valley Flood Protection Board, shall in the manner prescribed by the Board be responsible for the cost and expense to remove, alter, relocate, or reconstruct all or any part of the work herein approved.

SPECIAL CONDITIONS FOR PERMIT NO. 18758 BD

THIRTEEN: All work approved by this permit shall be in accordance with the submitted drawings and specifications except as modified by special permit conditions herein. No further work, other than that approved by this permit, shall be done in the area without prior approval of the Central Valley Flood Protection Board.

FOURTEEN: The permittee shall maintain the permitted encroachment(s) within the utilized area of the Dry Creek Designated Floodway in the manner required and as requested by the authorized representative of the Department of Water Resources or any other agency responsible for maintenance.

FIFTEEN: Upon receipt of a signed copy of the issued (not approved only) permit the permittee shall contact the Department of Water Resources by telephone, (916) 574-0609, and submit the enclosed postcard to schedule a preconstruction conference. Failure to do so at least 10 working days prior to start of work may result in delay of the project.

SIXTEEN: The Central Valley Flood Protection Board and Department of Water Resources shall not be held liable for any damages to the permitted encroachment(s) within the Dry Creek Designated Floodway resulting from flood fight, operation, maintenance, inspection, or emergency repair.

SEVENTEEN: The permittee may be required, at permittee's cost and expense, to remove, alter, relocate, or reconstruct all or any part of the permitted encroachment(s) if removal, alteration, relocation, or reconstruction is necessary as part of or in conjunction with any present or future flood control plan or project or if damaged by any cause. If the permittee does not comply, the Central Valley Flood Protection Board may remove the encroachment(s) at the permittee's expense.

EIGHTEEN: The permittee shall be responsible for repair of any damages to the Dry Creek Designated Floodway due to construction, operation, or maintenance of the proposed project.

NINETEEN: The permittee is responsible for all liability associated with construction, operation, and maintenance of the permitted facilities and shall defend, indemnify, and hold the Central Valley Flood

Protection Board and the State of California; including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages arising from the project undertaken pursuant to this permit, all to the extent allowed by law. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

TWENTY: The permittee shall defend, indemnify, and hold the Central Valley Flood Protection Board and the State of California, including its agencies, departments, boards, commissions, and their respective officers, agents, employees, successors and assigns (collectively, the "State"), safe and harmless, of and from all claims and damages related to the Central Valley Flood Protection Board's approval of this permit, including but not limited to claims filed pursuant to the California Environmental Quality Act. The State expressly reserves the right to supplement or take over its defense, in its sole discretion.

TWENTY-ONE: If the project, or any portion thereof, is to be abandoned in the future, the permittee or successor shall abandon the project under direction of the Central Valley Flood Protection Board and Department of Water Resources, at the permittee's or successor's cost and expense.

TWENTY-TWO: No construction work of any kind shall be done during the flood season from November 1 to April 15 without prior approval of the Central Valley Flood Protection Board.

TWENTY-THREE: Cleared trees and brush shall be completely burned or removed from the floodway, and downed trees or brush shall not remain in the floodway during the flood season from November 1 to April 15.

TWENTY-FOUR: The pipe shall be placed in the center of an open trench 2 times the diameter of the pipe.

TWENTY-FIVE: Pipe installed in the levee section and within 10 feet of the levee toes shall be new steel and at least 7 gauge. Steel pipe shall be corrosion-proofed externally with a coating of coal-tar enamel; asphalt-saturated felt wrap; cement mortar; or PVC or polyethylene tape wrapped to a thickness of 30 mils. Steel pipe shall be corrosion-proofed internally with a continuous lining of cement mortar or asphalt.

TWENTY-SIX: The pipeline shall be tested and confirmed free of leaks by X-ray, pressure tests, or other approved methods during construction or anytime after construction upon request by the Central Valley Flood Protection Board.

TWENTY-SEVEN: Backfill material for excavations shall be placed in 4- to 6-inch layers and compacted to at least the density of the adjacent, firm, undisturbed material.

TWENTY-EIGHT: Density tests by a certified materials laboratory will be required to verify compaction of backfill within the project site.

TWENTY-NINE: The project shall be restored to at least the condition that existed prior to commencement of work.

THIRTY: Any additional encroachment(s) within the Dry Creek Designated Floodway require an

approved permit from the Central Valley Flood Protection Board and shall be in compliance with the Central Valley Flood Protection Board's regulations (Title 23 California Code of Regulations).

THIRTY-ONE: The permittee shall comply with all conditions set forth in the letter from the Department of the Army dated July 18, 2012, which is attached to this permit as Exhibit A and is incorporated by reference.



REPLY TO
ATTENTION OF

DEPARTMENT OF THE ARMY
U.S. Army Engineer District, Sacramento
Corps of Engineers
1325 J Street
Sacramento, California 95814-2922

Flood Protection and Navigation Section (18758)

JUL 18 2012

Mr. Jay Punia, Executive Officer
Central Valley Flood Protection Board
3310 El Camino Avenue, Room 151
Sacramento, California 95821

Dear Mr. Punia:

We have reviewed a permit application by California American Water (application number 18758). This project includes realigning approximately 130 feet of an existing pipeline. The project is located on the left bank of Dry Creek at Cook Riolo Road, at 38.7361°N 121.3366°W NAD83, Placer County, California.

The District Engineer has no comments or recommendations regarding flood control because the proposed work does not affect a federally constructed project.

There is not enough information provided to determine if there is a permit action under Section 10 and/or Section 404. Please advise the applicant to contact the U.S. Army Corps of Engineers, Sacramento District, Regulatory Division, 1325 J Street, Room 1350, Sacramento, California 95814, telephone (916) 557-5250.

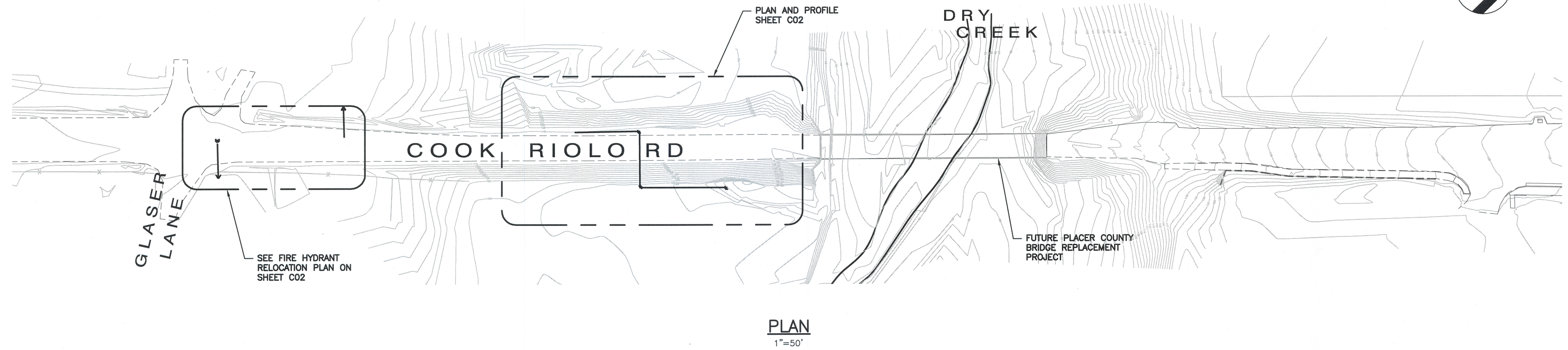
A copy of this letter is being furnished to Mr. Don Rasmussen, Chief, Flood Project Integrity and Inspection Branch, 3310 El Camino Avenue, Suite LL30, Sacramento, CA 95821.

Sincerely,

for Ryan T. Lauer

Meegan G. Nagy, P.E.
Chief, Flood Protection and Navigation Section

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RECORD DRAWINGS

DATE _____ ENGINEER INITIALS _____

LOCATION MAP

COOK RIOLO ROAD
PIPELINE RELOCATION PROJECT

HDR Project No.
00028-08642-181313

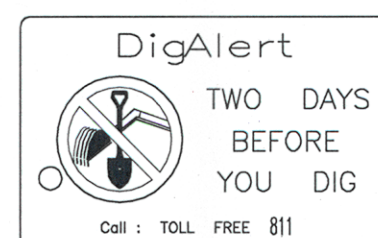
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Drawing No.
C01

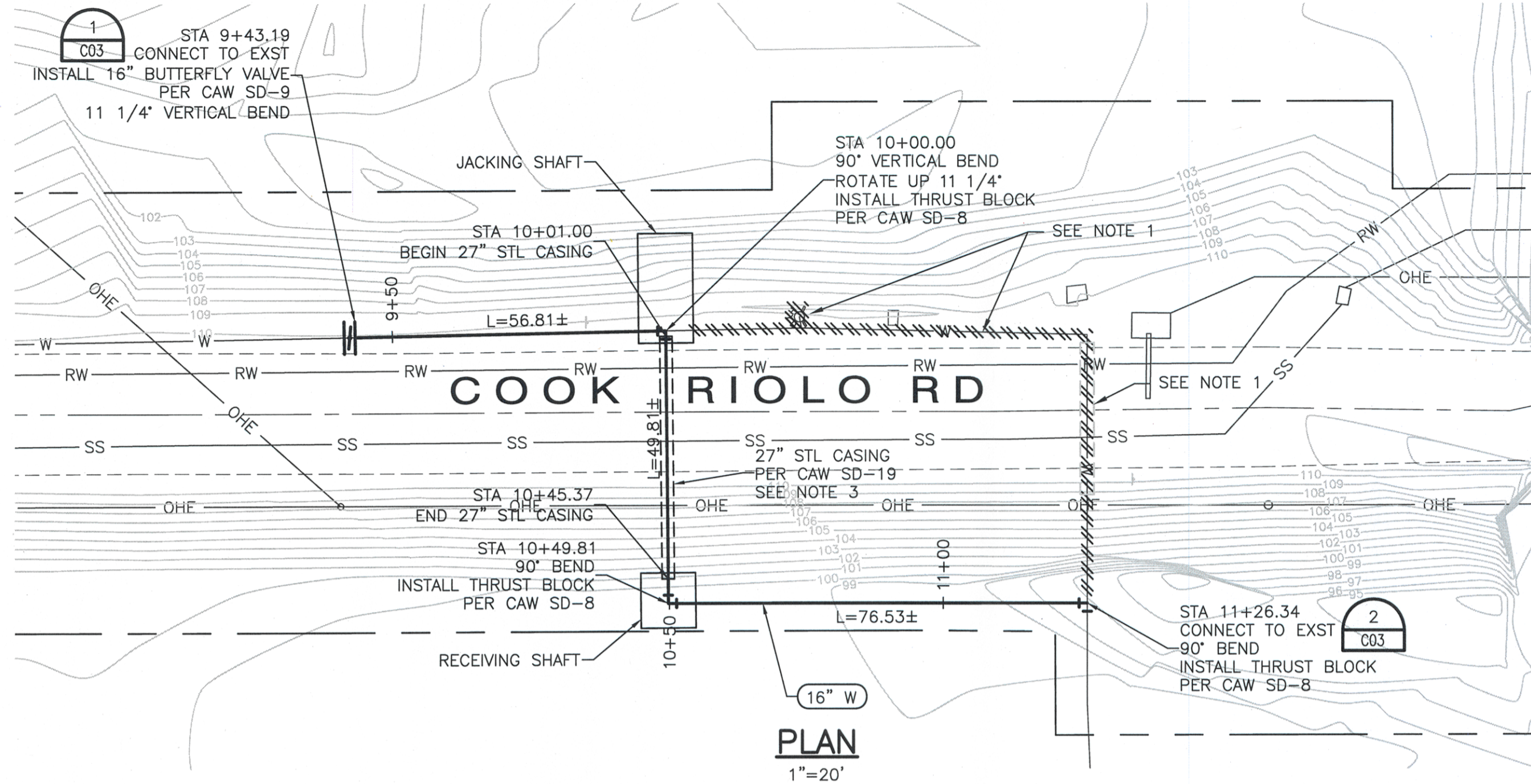
Project Manager
LAICOVSKY, J
Designed
SALCEDO R.
Checked
CALDERWOOD K.
Date
04/09/12
Drawn
SALCEDO R.



P.O. BOX 15468 SACRAMENTO, CA 95851-0468
4701 BELOIT DRIVE SACRAMENTO, CA 95838-2434
PH. (916) 568-4217 FAX (916) 568-4286

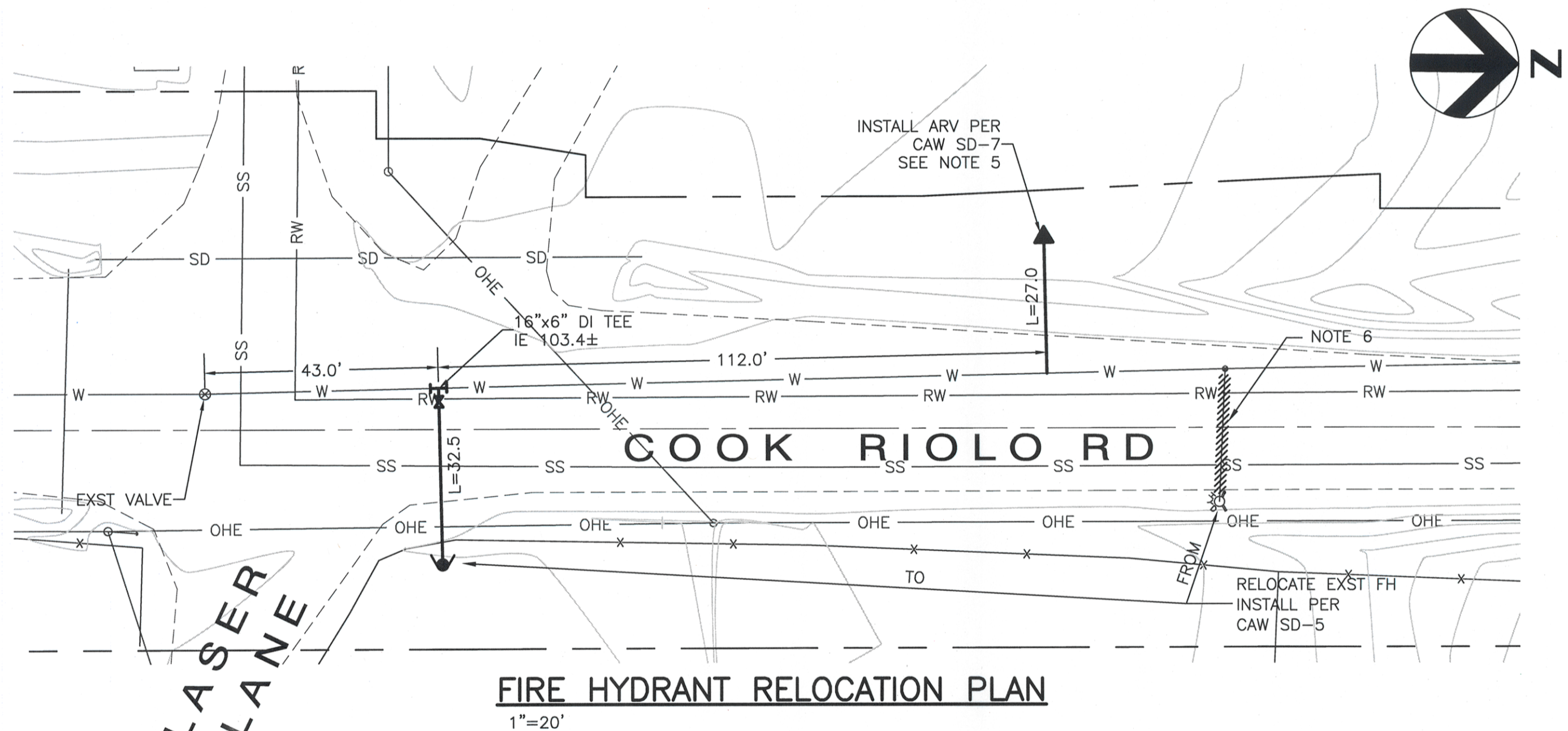
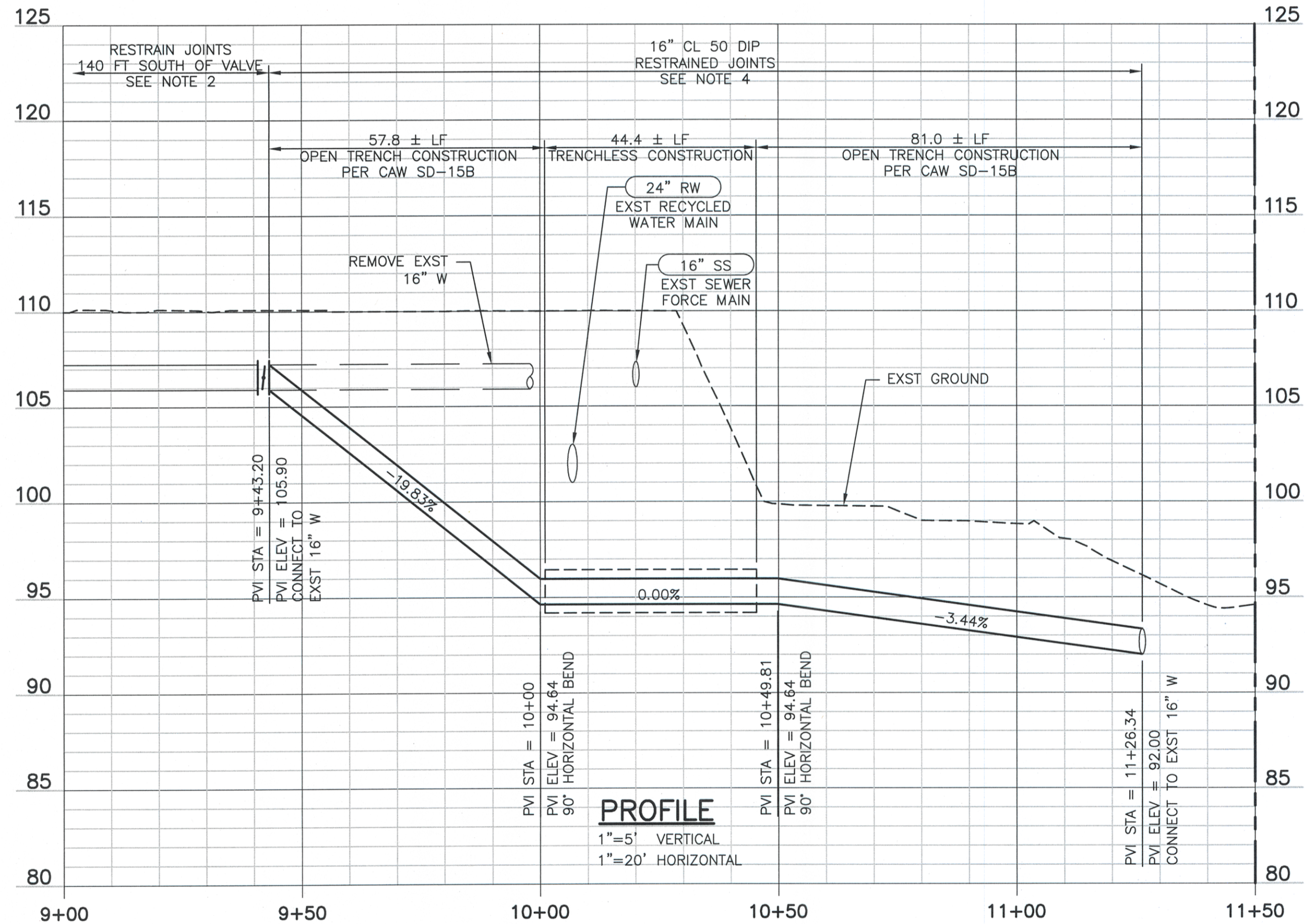


Issue No.	Revision	Date	Drwn.	Chkd.	Resp. Engr.	Proj. Mgr.



NOTES:

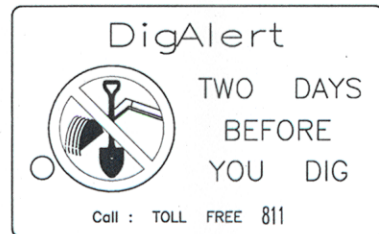
1. REMOVE EXST 16" W. EXST 16" W IS WITHIN 27" STEEL CASING BENEATH ROADWAY. REMOVE PIPELINE AND CASING. REMOVE EXISTING FIRE HYDRANT AND HYDRANT LATERAL.
2. EXPOSE AND RESTRAIN JOINTS ON EXISTING PIPELINE AS SHOWN. RESTRAIN JOINTS WITH EBAA IRON MEGALUG SERIES 1100SD OR EQUAL.
3. CONSTRUCT CAGED ROADWAY CROSSING BY BORE AND JACK PER CAW SD-19. OMIT ISOLATION VALVES SHOWN ON CAW SD-19.
4. RESTRAINED JOINT PIPE SHALL BE U.S. PIPE 'TR FLEX', AMERICAN PIPE 'FASTITE' OR EQUAL.
5. LOCATE ARV AND VENT BEYOND FUTURE SIDEWALK AS SHOWN
6. ABANDON EXST HYDRANT LATERAL IN PLACE. PLUGS ENDS WITH 3' MIN PCC.



RECORD DRAWINGS

DATE _____ ENGINEER INITIALS _____

Issue No.	Revision	Date	Drwn.	Chkd.	Resp. Engr.	Proj. Mgr.



Project Manager	LAICOVSKY, J
Designed	SALCEDO R.
Checked	CALDERWOOD K.
Date	04/09/12
Drawn	SALCEDO R.



P.O. BOX 15468 SACRAMENTO, CA 95851-0468
4701 BELOIT DRIVE SACRAMENTO, CA 95838-2434
PH. (916) 568-4217 FAX (916) 568-4286

COOK RIOLO RD
PLAN AND PROFILE
COOK RIOLO ROAD
PIPELINE RELOCATION PROJECT

HDR Project No.
00028-08642-181313
File Name
95301-09-C06-C_PARKWAY

Drawing No.

C02