
Central Valley Regional Water Quality Control Board

16 September 2016

Jeanne Kuttel
California Department of Water Resources
1416 9th Street
Sacramento, CA 95814

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ORDER AMENDING CLEAN WATER ACT SECTION 401 TECHNICALLY CONDITIONED WATER QUALITY CERTIFICATION; DEPARTMENT OF WATER RESOURCES, SHERMAN AND TWITCHELL ISLAND FISH SCREENS PROJECT (WDID#5A34CR00658A1), SACRAMENTO COUNTY

This Order responds to the 16 June 2016 request for an amendment of the Sherman and Twitchell Island Fish Screens Project (Project) Section 401 Water Quality Certification (WDID#5A34CR00658). The original Water Quality Certification (Certification) was issued on 13 June 2016. The requested amendment is hereby approved. The original Certification is therefore amended as described below. Please attach this document to the original Certification.

AMENDMENT:

The Department of Water Resources is requesting an amendment to the Project description to include a design change requested by the United States Army Corps of Engineers (USACOE). The USACOE requested the removal of: 1) a large tree (shown in Figure 1); 2) pipe on the landside of the levee; and 3) standpipe at Site 2 on Sherman Island. The tree removal will not create additional impacts to essential riparian canopy on the water side of the levee. Changes to the project description will not alter the calculated impacts to waters of the United States, including wetlands, nor does it increase the disturbance footprint or review area delineated for the Project.

The Project Information Sheet has been amended as shown in underline format below.

Project Description: The Sherman and Twitchell Islands Fish Screens Project (Project) is located at Sherman and Twitchell Islands in the Delta near the confluence of the Sacramento and San Joaquin Rivers. The Project consists of installing five retractable fish screens at five intake siphons located on Sherman and Twitchell Islands.

Terminal sections of the existing intake siphon structure on the land side of the levee will be removed and replaced with a new pipe structure to accommodate the addition of new fish screen attachments to be submerged at an appropriate depth. Depending on the site location, between 12 and 24 steel piles (50-80 feet long and 18-inch diameter) will be constructed to support each pipe extension. Piles will be installed from a 150-foot barge located in the San Joaquin River. Up to two barges may be used simultaneously to hold and drive the pilings. The barges may be self-propelled or maneuvered into place using a tugboat. During Project activities, the barges are expected to be anchored without the engine idling. Site and number of piles per site are shown in Table 2 below.

Table 2: Site Number and Pile Dimensions

| Site number | Number of piles | Length range | Diameter | Embedment depth |
|-------------|-----------------|--------------|----------|-----------------|
| 1 | 14 | 50-80 ft | 18 in | 50 ft |
| 2 | 24 | 50-80 ft | 18 in | 50 ft |
| 3 | 18 | 50-80 ft | 18 in | 40 ft |
| 4 | 16 | 50-80 ft | 18 in | 40 ft |
| 5 | 12 | 50-80 ft | 18 in | 40 ft |

A new 25-foot by 13-foot platform will support a control structure for fish screen operation. Excavated material from the existing intake siphon structure will be temporarily stored near the new siphon pipelines until it can be disposed of at an appropriate disposal facility. Fish screens will be installed from a crane mounted on the nearby levee or by barge in the river.

At Site 2, shown on Figure 3, the pipe on the landside of the levee, standpipe, and encroaching tree will be removed. The replacement siphon will be installed along the same alignment as the existing siphon.

Dewatering will occur within the Project area. Wet concrete will be placed into the stream bed in dry conditions after fully dewatering the work area. The Project will permanently impact 0.0474 acre/60 linear feet of waters of the United States.

APPLICATION FEE RECEIVED:

No fees were submitted for this amendment. Total fees of \$200.00 for the original Certification were submitted to the Central Valley Regional Water Quality Control Board as required by Section 3833(b)(3)(A) and by Section 2200(a)(3) of the California Code of Regulations.

CENTRAL VALLEY WATER BOARD CONTACT:

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CALIFORNIA ENVIRONMENTAL QUALITY ACT:

The California Department of Water Resources is the Lead Agency responsible for compliance with the California Environmental Quality Act for the Sherman and Twitchell Islands Fish Screens Project pursuant to Section 21000 et seq. of the Public Resources Code. The California Department of Water Resources approved the Mitigated Negative Declaration on 11 April 2016. The California Department of Water Resources filed a Notice of Determination with the State Clearinghouse on 15 April 2016 (SCH No. 2016032007).

The Central Valley Water Board is a responsible agency for the project. The Central Valley Water Board has determined that the Mitigated Negative Declaration is in accordance with the requirements of the California Environmental Quality Act.

The Central Valley Water Board has reviewed and evaluated the impacts to water quality identified in the Mitigated Negative Declaration. The mitigation measures discussed in the Mitigated Negative Declaration to minimize project impacts to State waters are required by this Certification.

With regard to the remaining impacts identified in the Mitigated Negative Declaration, the corresponding mitigation measures proposed are within the responsibility and jurisdiction of other public agencies.

WATER QUALITY CERTIFICATION:

I hereby issue an Order amending the existing Clean Water Act, Section 401 Technically Conditioned Water Quality Certification for the Sherman and Twitchell Islands Fish Screens Project (WDID#5A34CR00658A1). All other conditions and provisions of the original Water Quality Certification and any previously approved amendments remain in full force and effect, except as modified based on the conditions of this Order. Failure to comply with the terms and conditions of the original Water Quality Certification, previously approved amendments, or of this Order may result in suspension or revocation of the Water Quality Certification.

Original Signed By Adam Laputz for:

Pamela C. Creedon
Executive Officer

Enclosure: Project Information

Attachments: Figure 1 – Project Location Map
Figure 2 – Tree Location Map
Figure 3 – Site 2 - Pipe and Tree Removal Plans and Specifications

cc: Distribution List, page 5

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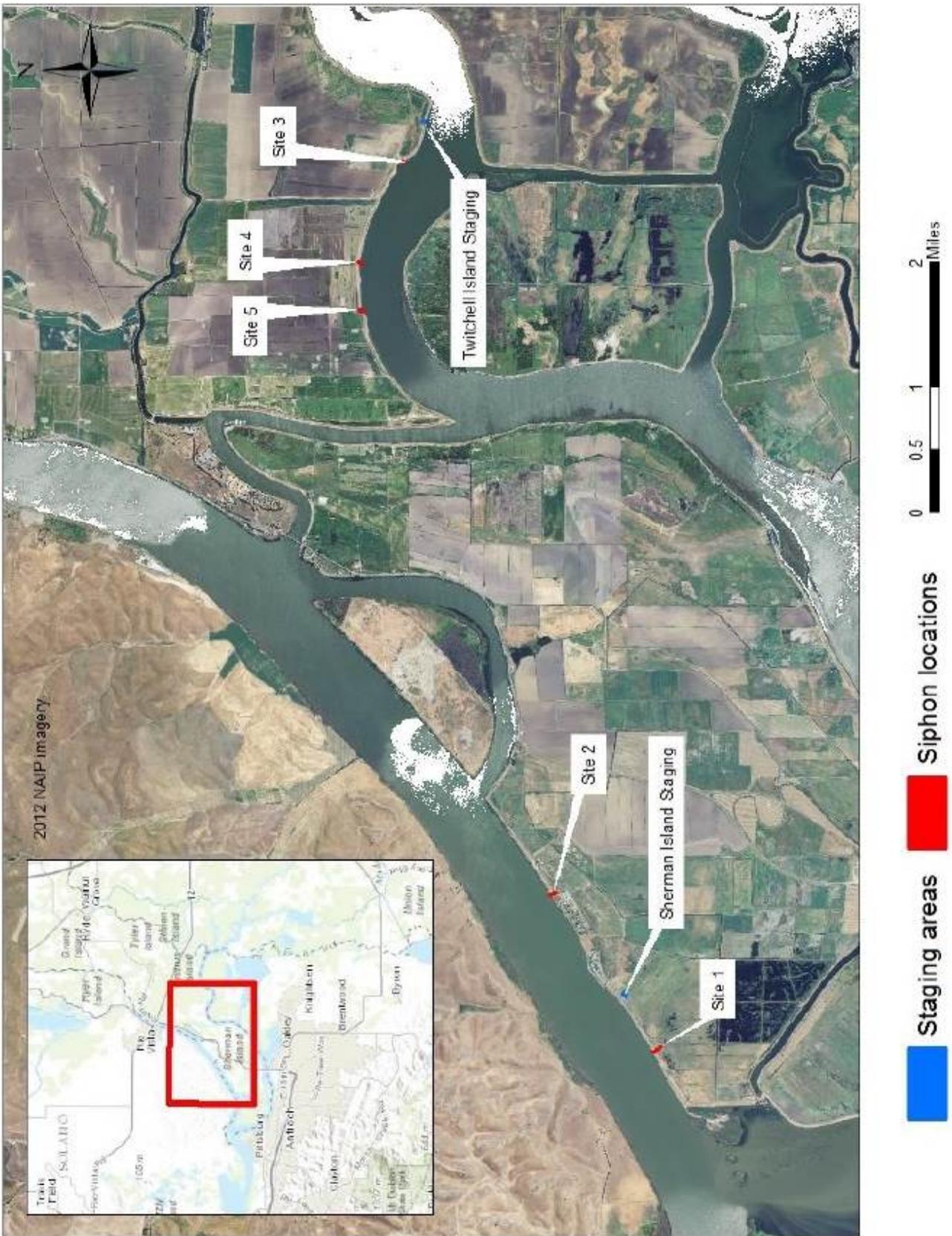


Figure 1 – Project Location Map

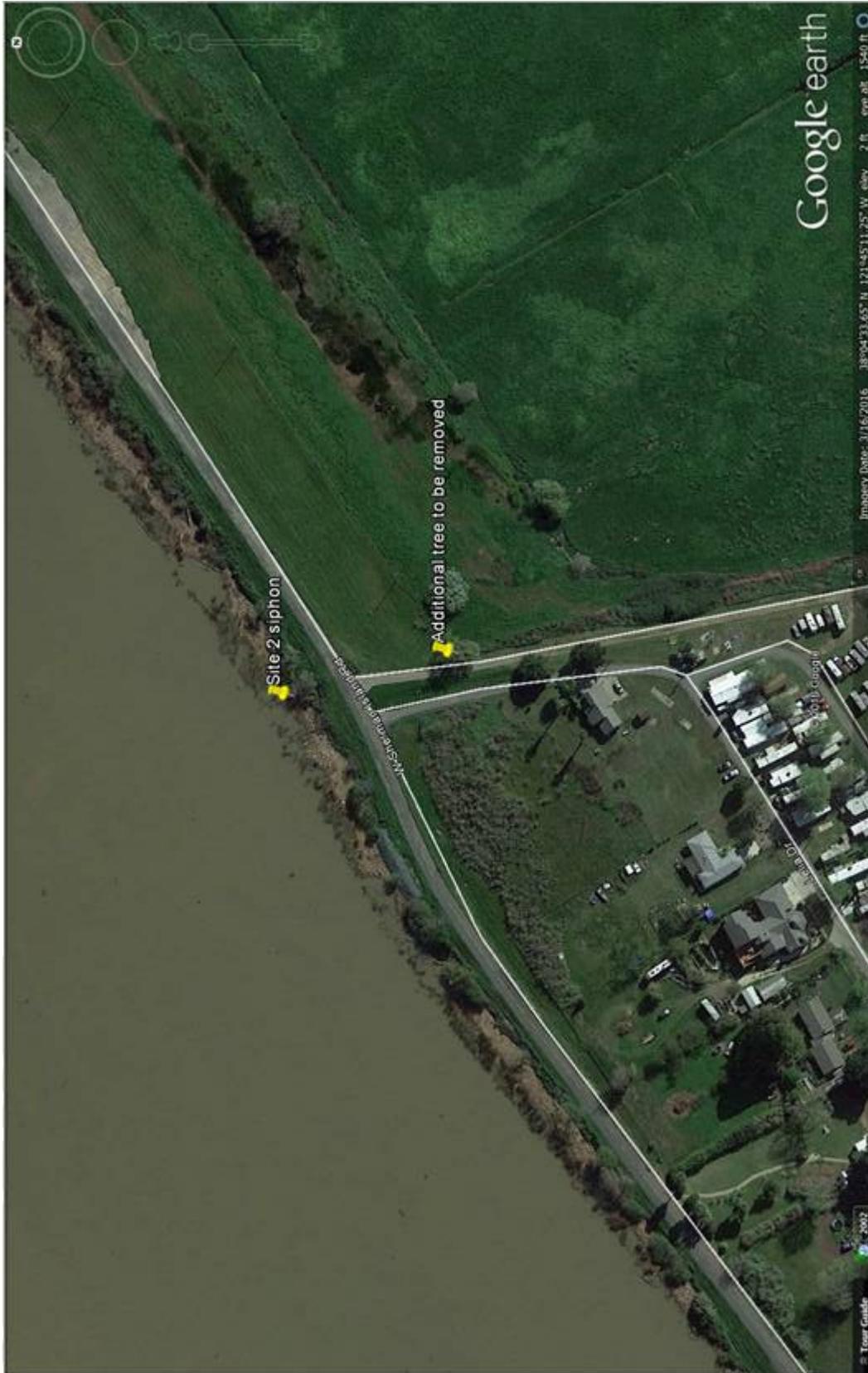


Figure 2 – Tree Location Map

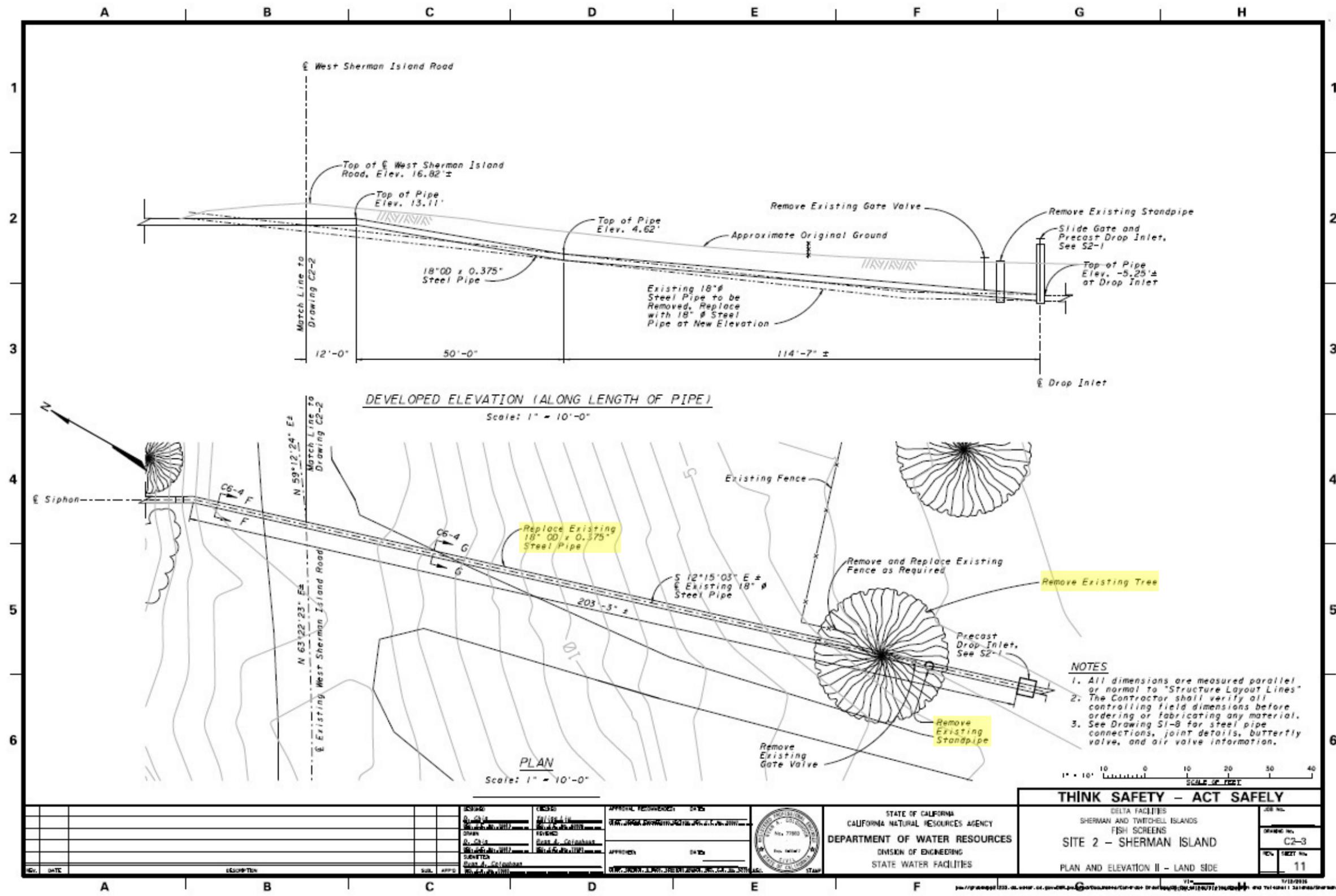


Figure 3 – Site 2 - Pipe and Tree Removal Plans and Specifications