

San Joaquin River Parkway Sycamore Island Pond Isolation Fresno and Madera Counties, California



California Department of Water Resources
Final Summary
December 31, 2018

Project Location



Major Work Items

- Construct Temporary Crossing
- Provide Public Safety and Environmental Protection Measures
- Excavate Existing Embankment for Equalization Saddle
- Strengthen Existing Berm
- Construct Equalization Saddle
- Construct Madera Floodplain
- Remove Temporary Crossing
- Perform Fresno Grading (Including Fresno Floodplain)
- Remove Two Buried Cars and Other Deleterious Material Encountered
- Fill Berm Breach on Fresno County Side
- Construct a French Drain at the Breach Fill
- Backfill Borrow Site
- Install Articulated Concrete Mats
- Construct Aggregate Base Road
- Hydroseed Constructed Floodplains and Disturbed Areas

Project Schedule & Cost

- Bid Opening Date: 05/11/16
- Bids Received: 6, Bid Range \$1,974,650 to \$3,673,610
- Lowest Bid: \$1,974,650 Steelhead Constructors, Inc.
- Department Estimate: \$3,350,000
- Notice to Begin Work: 06/07/16
- Site Work Completed: 04/28/17
- Contract Closeout Date: 10/14/18
- Total Contractor Payments: \$2,329,498
- Total Project Cost: \$3,759,163
 - San Joaquin River Conservancy and Wildlife Conservation Board Funding: \$1,774,726
 - SJRRP (Reclamation) Funding: \$1,984,437

Extra Work

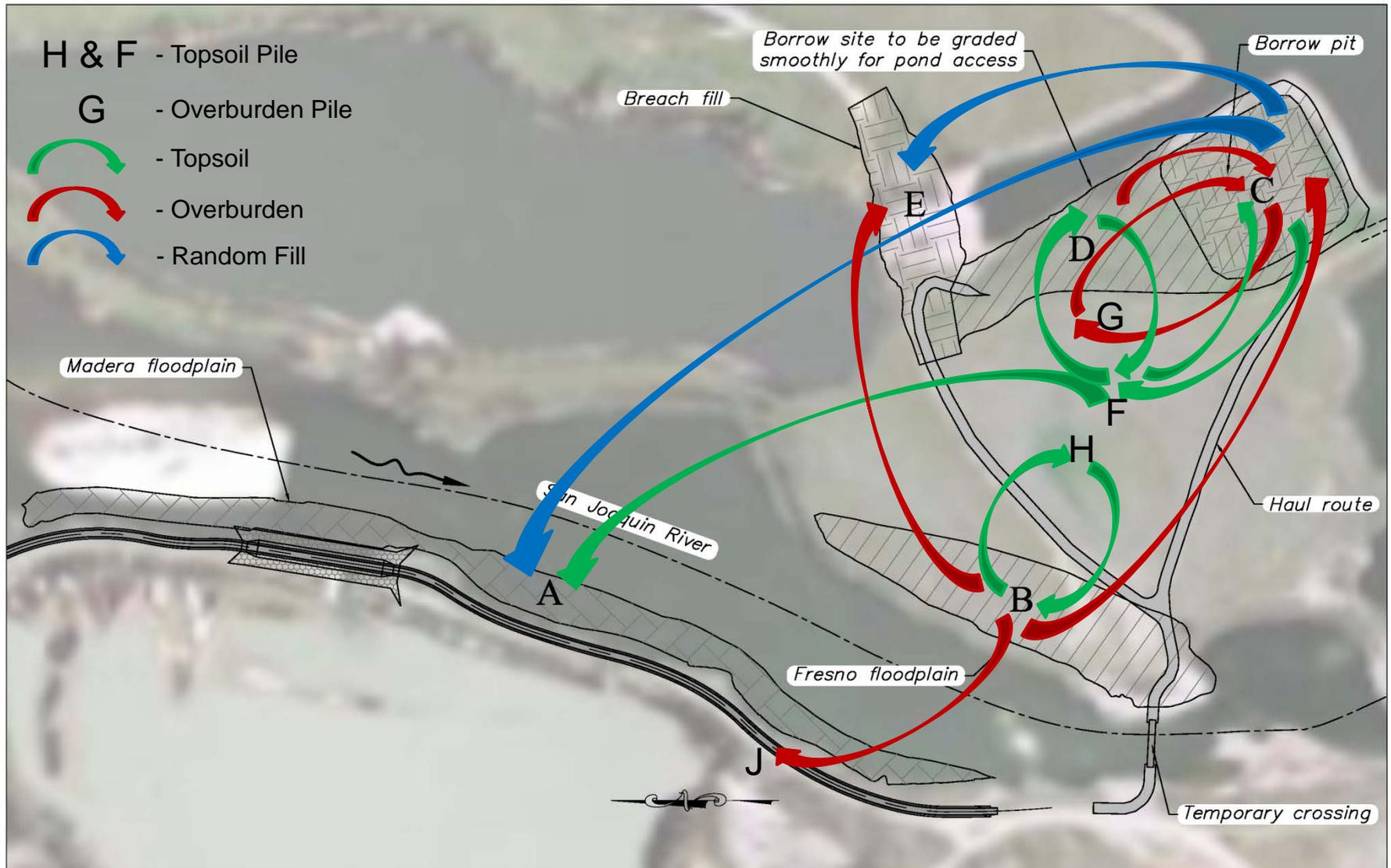
◎ Directives

- MD#01 – Provide Silt Fencing and Orange Construction Fencing
- MD#02 – Provide “River Closed” and “Detour” Signage
- MD#03 – Provide a Single Pipe Gate
- MD#04 – Provide a Single Pipe Gate
- MD#05 – Construct a Second Cobble French Drain in Madera Floodplain
- MD#06 – Install an 18-inch Diameter Perforated Pipe at the Breach Fill
- MD#08 – Perform Main Berm Mound Removal

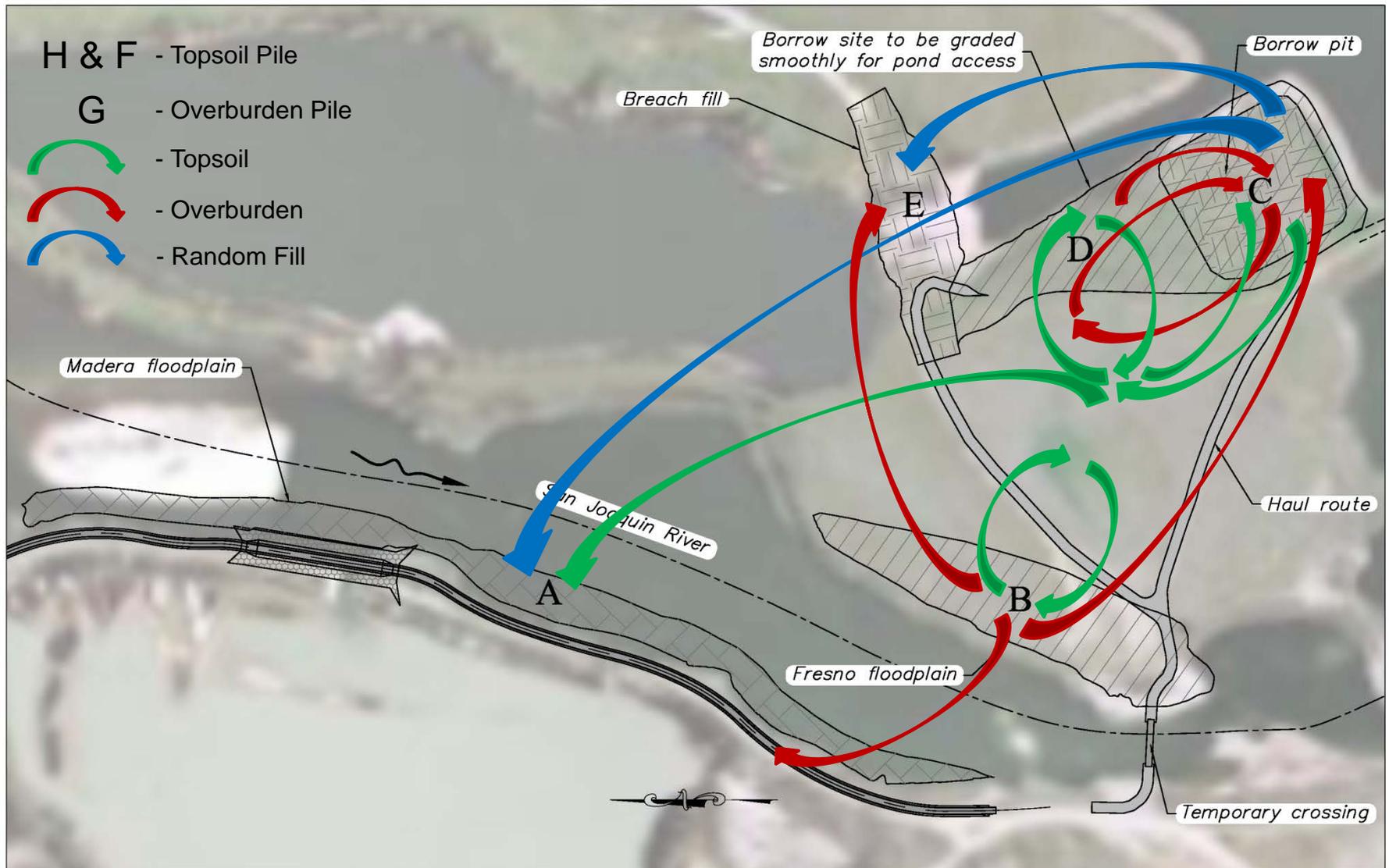
◎ Request For Information

- RFI#06 – Establish Project Control
- RFI#12 – Remove Bollards
- RFI#24 – Over-Excavate Borrow Pit

Material Movement



Material Movement



Pre-construction Condition



Berm Breach
Madera County



Berm
Madera County



Fresno Floodplain
Fresno County



Breach
Fresno County

Public Safety

Construction Warning Sign



Orange Safety Fence



Buoy Line Installation



MD#1

Orange Fence Installation



Orange Fence Post Installation



Silt Fence Installation



MD#2

Detour Sign

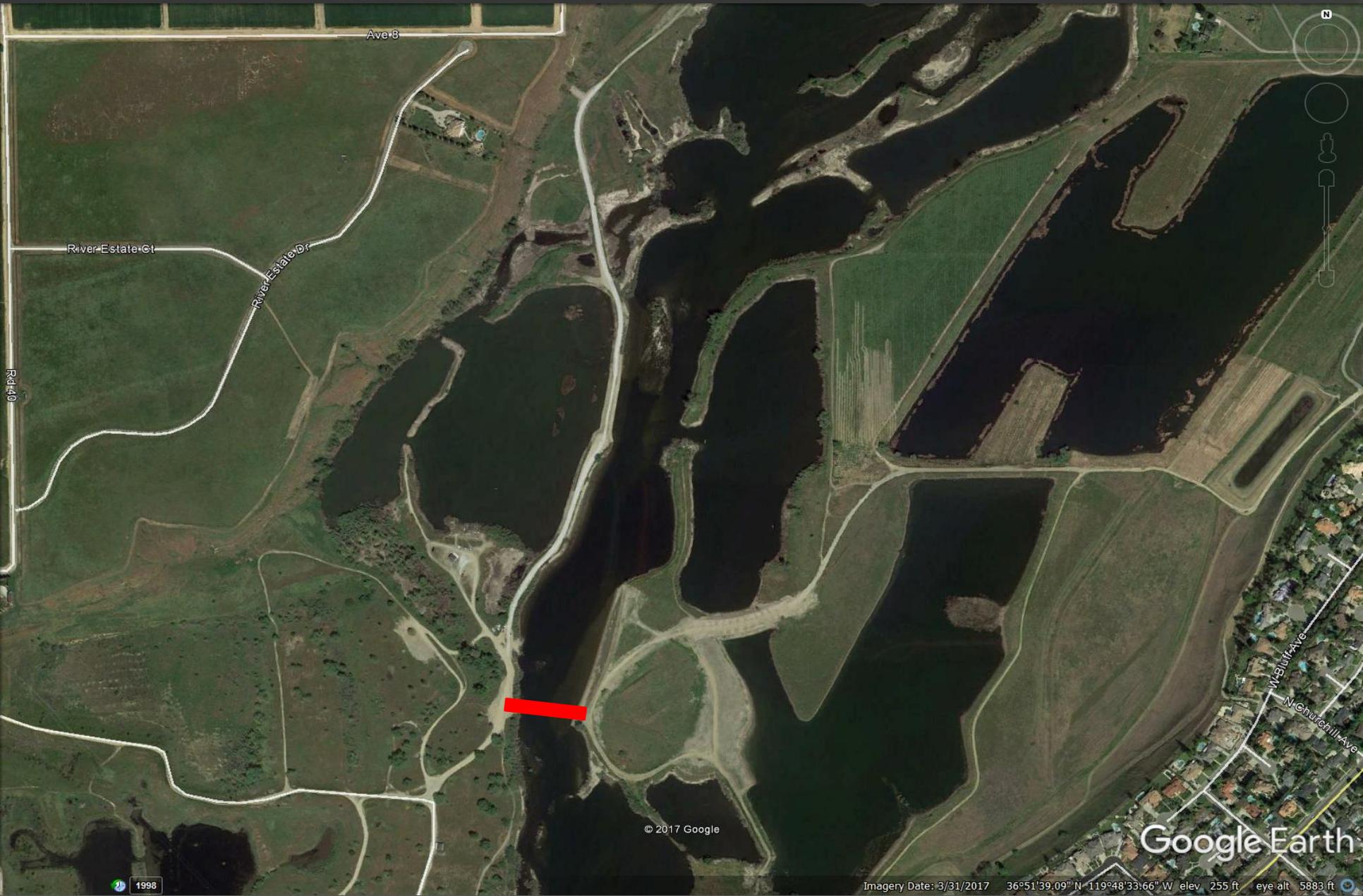


Floating Warning Sign



River Closed Sign

Temporary Crossing



Temporary Crossing Construction

Abutment Subgrade Preparation



Abutments

Temporary Crossing Construction

Bent Footing Installation



Beam Placement



Temporary Crossing Construction

Crane Mat Installation



Guardrail Installation

Embankment Excavation



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Imagery Date: 3/31/2017 36°51'39.09" N 119°48'33.66" W elev 255 ft eye alt 5883 ft

Embankment Excavation

Embankment Excavation For Saddle Construction



Berm Compacted Fill



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1998

Berm Compacted Fill

Fill Material Placement



Grading Fill Material

Berm Compacted Fill

Side Slope Compaction



Top of Berm Compaction



Berm Compacted Fill

Grading Side Slope



Performing Compaction Test

Equalization Saddle



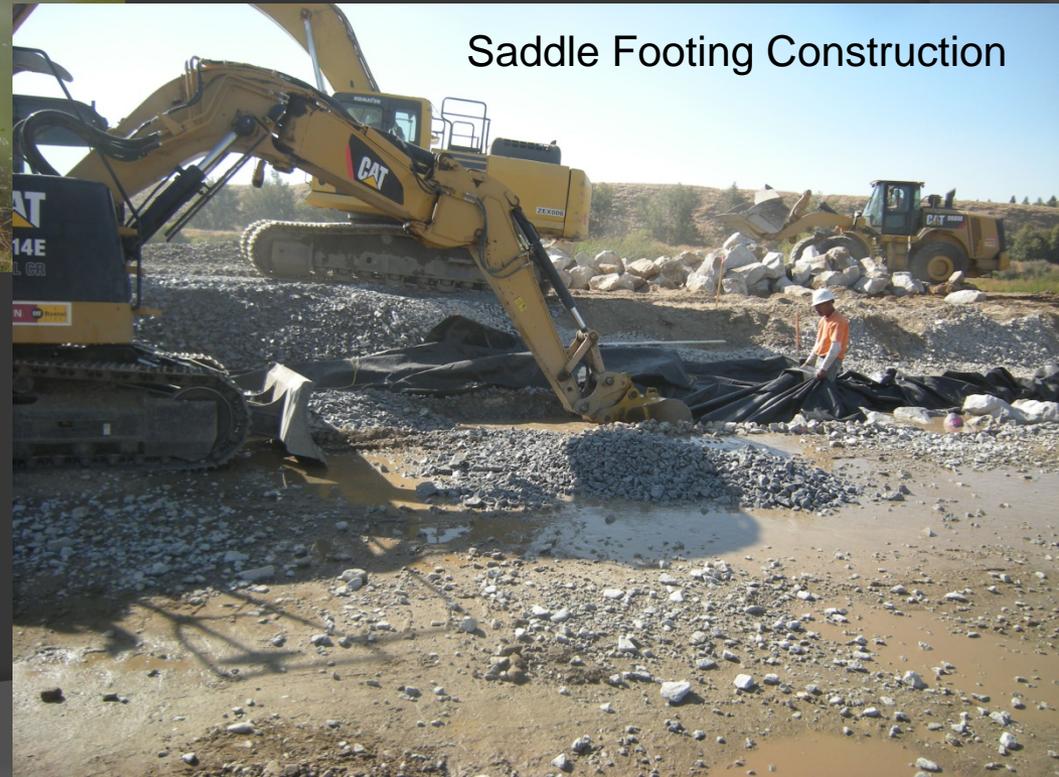
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Equalization Saddle Construction



Equalization Saddle Construction

Boulder Placement



Boulder Placement and Compaction



Equalization Saddle Construction

Boulder Key and Cobble Apron



Grade Checking



Equalization Saddle Construction

Gabion Rock Placement



Cobble Placement



River Gravel Placement



Geotextile Fabric Placement



Concrete Mat Installation

Transporting Mat

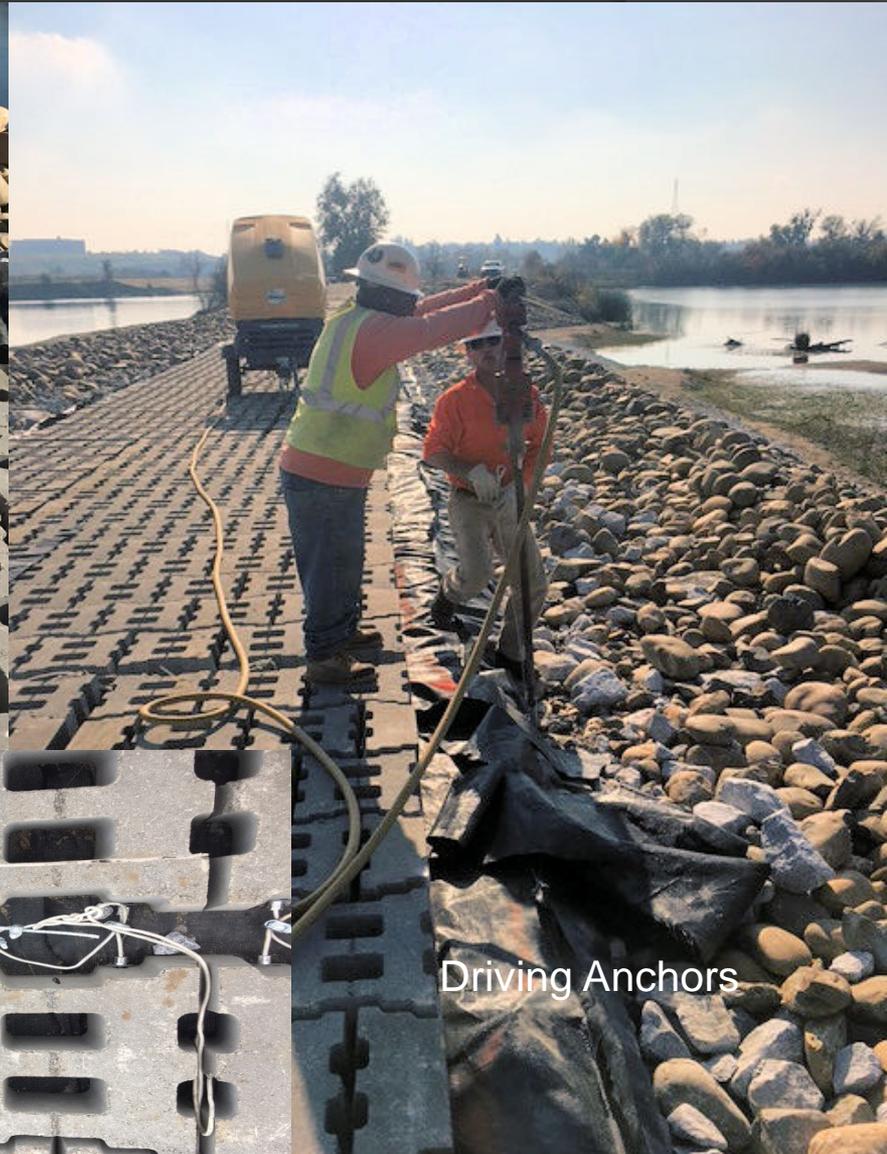


Placing Mat



Concrete Mat Installation

Attaching Mats



Driving Anchors

Anchored Mats



Borrow Site



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Borrow Excavation

Topsoil Removal



Overburden Removal



Borrow Excavation

Random Fill Excavation



Loading Random Fill



Borrow Pit Survey

Madera Floodplain



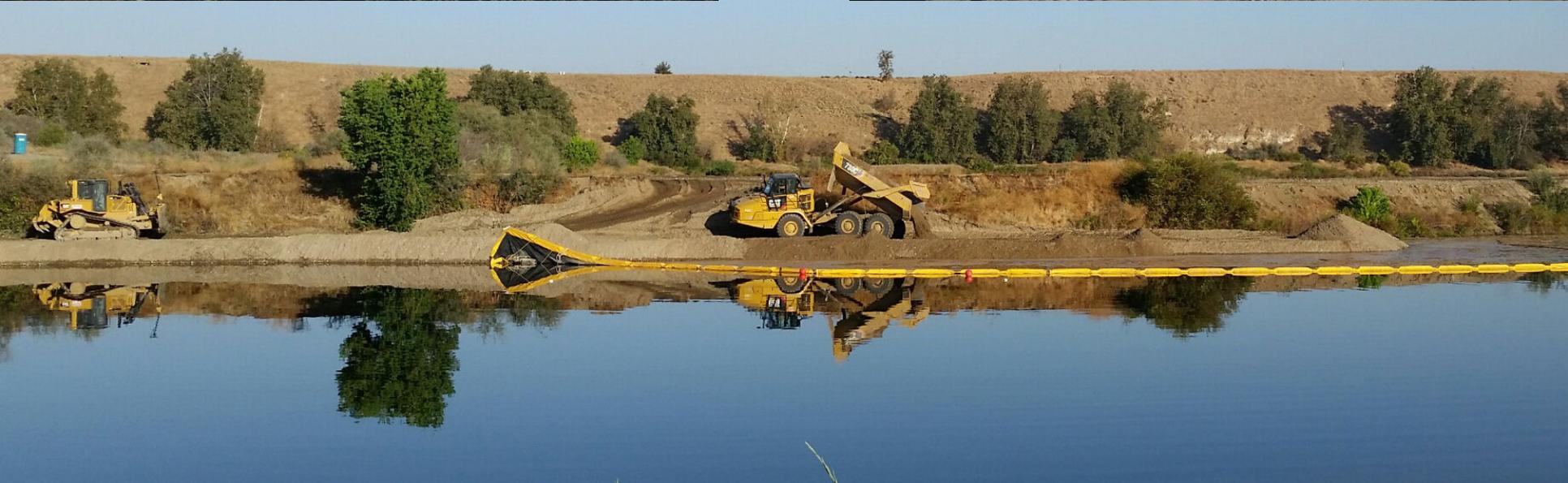
Madera Floodplain Construction



Unloading Random Fill



Grading Random Fill



Madera Floodplain Construction

Turbidity Curtain Installation



Water Quality Monitoring



Fine Grading Floodplain



Fresno Floodplain



Fresno Floodplain Construction

Topsoil Removal



Excavation and Loading



Fresno Grading



Fresno Grading

Grading Side Slope



Re-Grading Side Slope to Generate More Material



Breach Fill



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Breach Fill

Unloading Random Fill



Filling Breach With Random Fill Below Water Surface



Breach Fill



French Drain Installation



Compaction Test



Compaction

Cars and Deleterious Material Removal

Car Removal



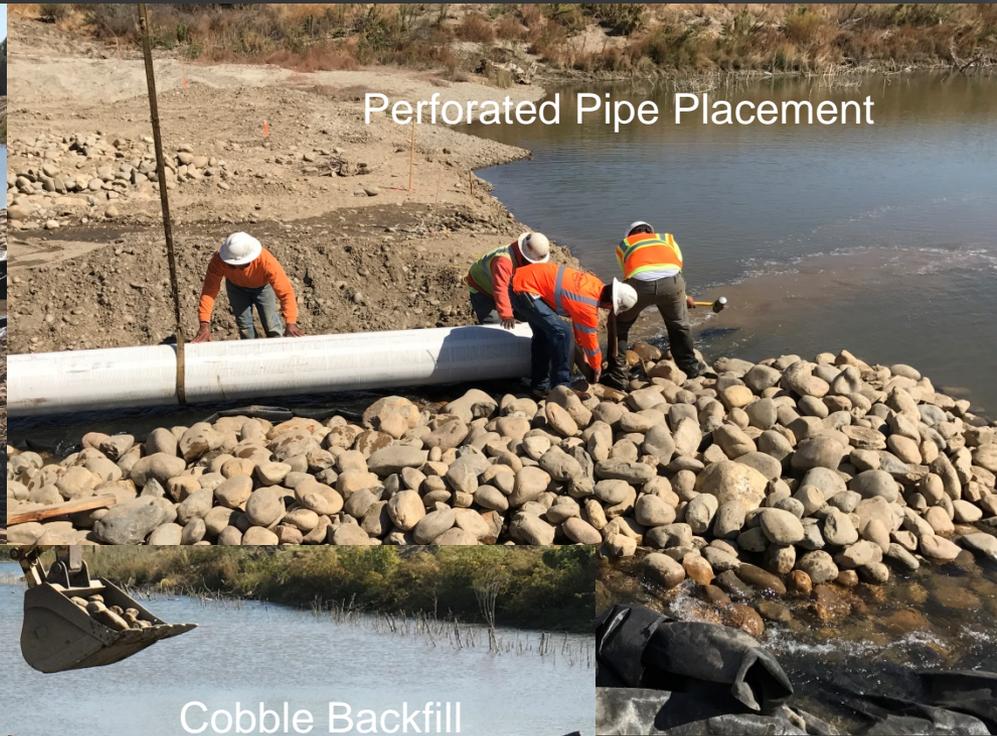
Loading Deleterious Materials



MD#06



French Drain Cobble Excavation



Perforated Pipe Placement



Cobble Backfill

Borrow Backfill

Unloading Fill Material from Fresno Floodplain and Overburden Stockpile



Compaction



Grading and Compaction



Temporary Crossing Demolition

Removing Beams



Removing Bent Footing



Demolished Abutment

Gravel Base Road



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Gravel Base Road Construction

Gravel Base Placement



Gravel Base Grading



Gravel Base Compaction



Gravel Base Placement on Top of Concrete Mat



Erosion Control

Fiber Roll Placement



Fiber Roll Installation



Hydroseeding



Straw Application



MD#03 and MD#04

Drilling Hole for Gate Post



Gate Post Installation

Gate Installation



Safety Reflector Installation

MD#05



MD#08

Pond Side High Mound Removal



River Side High Mound Removal



River Side High Mound Removal



Post-Construction Condition

Equalization Saddle



Gravel Base Road on the Berm



Borrow Site



Madera Floodplain



Post-Construction Condition

Fresno Floodplain



Breach Fill With French Drain



THANK YOU

