Item C-1 Approval of WRF Project Conveyance Pipeline Alignment and Pump Station Strategy

Morro Bay, CA February 13, 2019



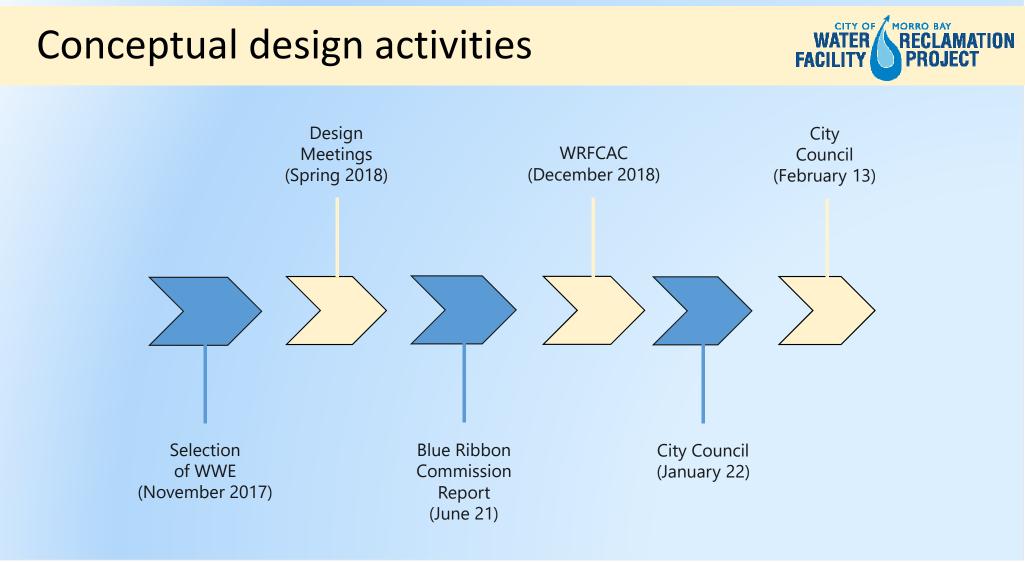
Recommendations

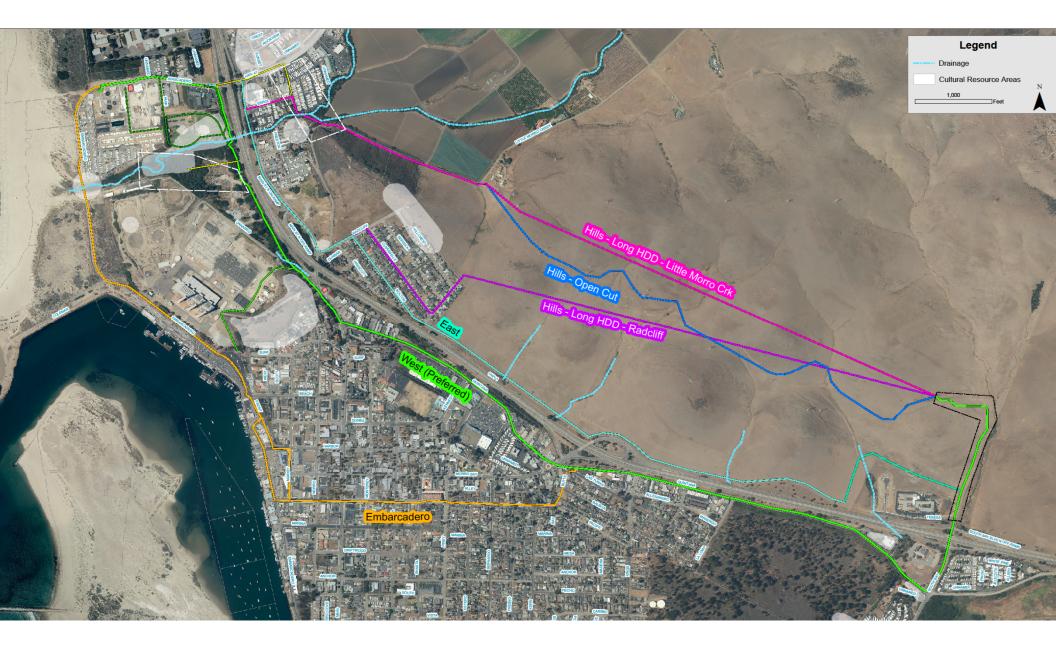


• <u>Take Action</u>: Approve staff's recommendation to proceed with the West conveyance pipeline alignment and the use of the dual pump station option for the Water Reclamation Facility (WRF) project

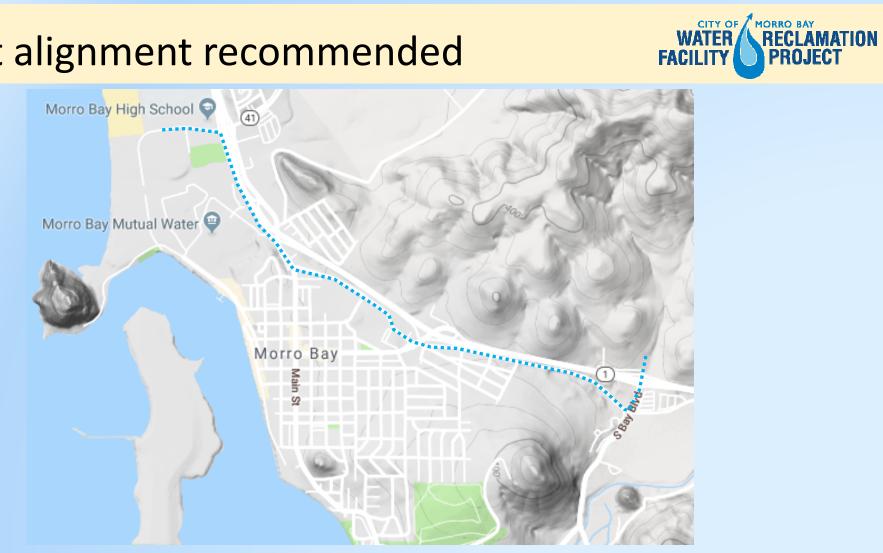
Conveyance Facilities Project







West alignment recommended



East alignments were fatally-flawed



Fatal Flaw Analysis	East (Open Cut)	East/West Alignment	Hills Creek	Hills- Radcliffe
Hydraulics	X		X	X
Environmental/Permitting	X		X	X
Constructability	X	X	X	X

Detailed cost estimates for the West



CITY OF MORRO BAY

PRC

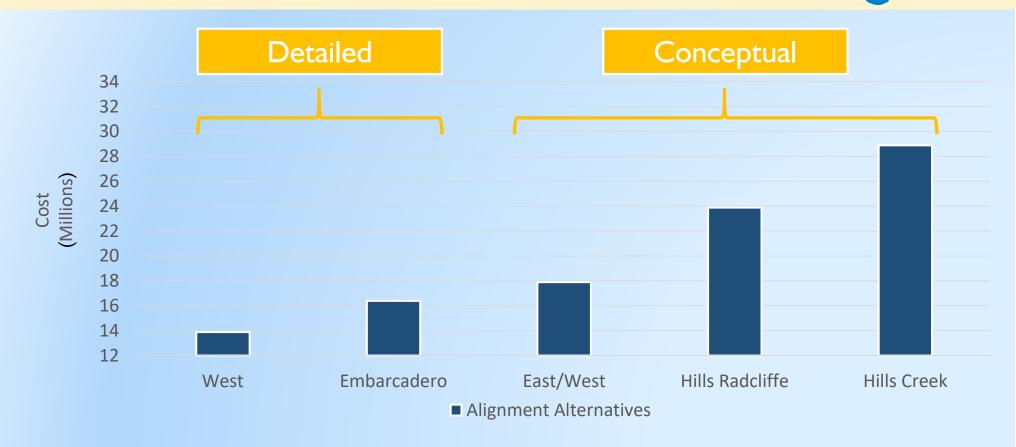
RECLAMATION

WATER

FACILITY

DRAFT 4-25-18 Public Forum - FINAL.pptx/8

Cost comparison for all alignments



WATER

FACILITY

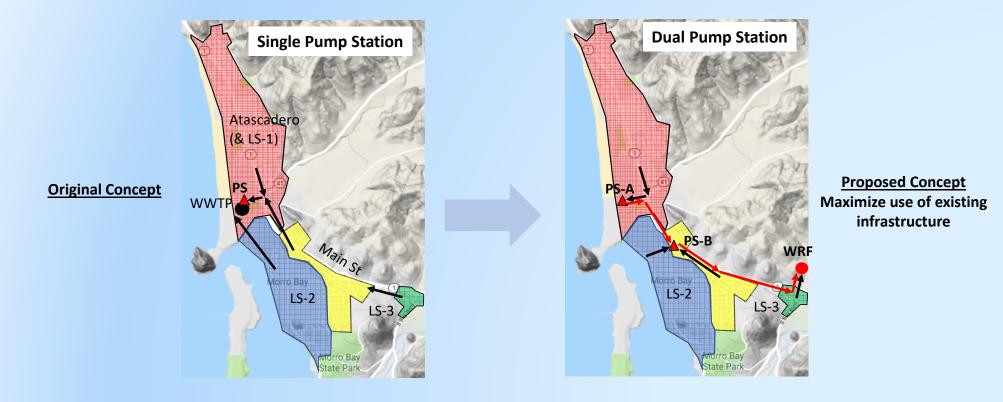
MORRO BAY

PRO.J

RECLAMATION

Maximizes existing infrastructure





Benefits of dual pump stations

Key Criteria and Constraints	Single	Dual
Maximize existing infrastructure	-1	+1
Reduced travel time	-1	+1
# of New Stations	0	-1
Infrastructure in Coastal Zone	-1	+1
Standard Wet Well Configuration	-1	+1
Facility Maintenance Impacts	0	-1
Pipe Length for Pigging	-1	+1
LS-2 FM Redundancy	0	+1
Total Score	-5	+4
Project Costs: Pump Station	\$11.0M	\$8.4M



WATER RECLAMATION FACILITY

Recommended project





Recommendations



• <u>Take Action</u>: Approve staff's recommendation to proceed with the West conveyance pipeline alignment and the use of the dual pump station option for the Water Reclamation Facility (WRF) project

Questions and Discussion



Revisions to the Final EIR



WATER RECLAMATION

PROJEC1

FACILITY

Preliminary Architectural Finishes



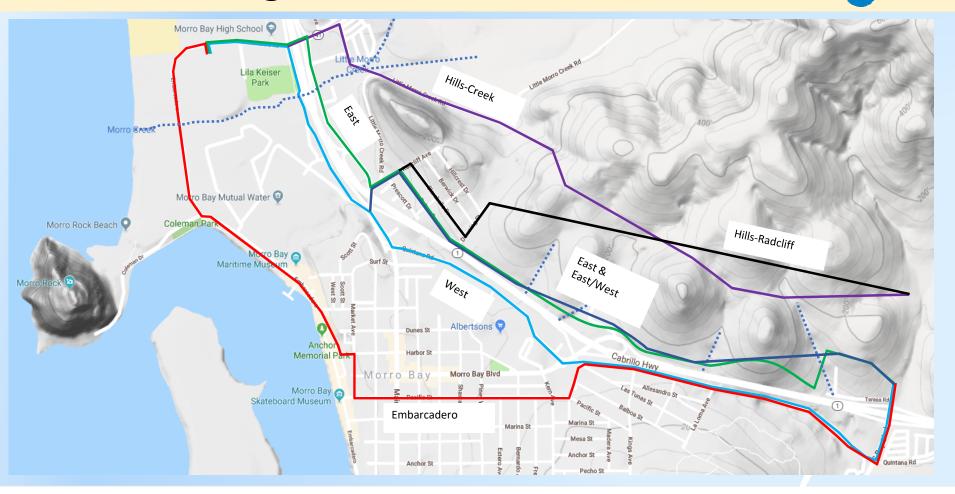
- 1. Split Face CMU Wall
- 2. Accent Stripe
- 3. Concrete Tile Roof
- 4. Fascia, Trim, & Eaves
- 5. Personnel Door







Numerous alignments were evaluated



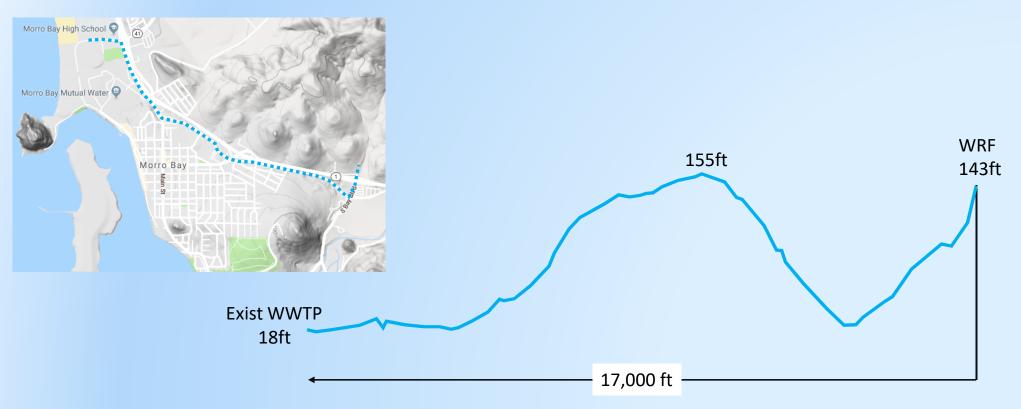
FACILITY

RECLAMATION

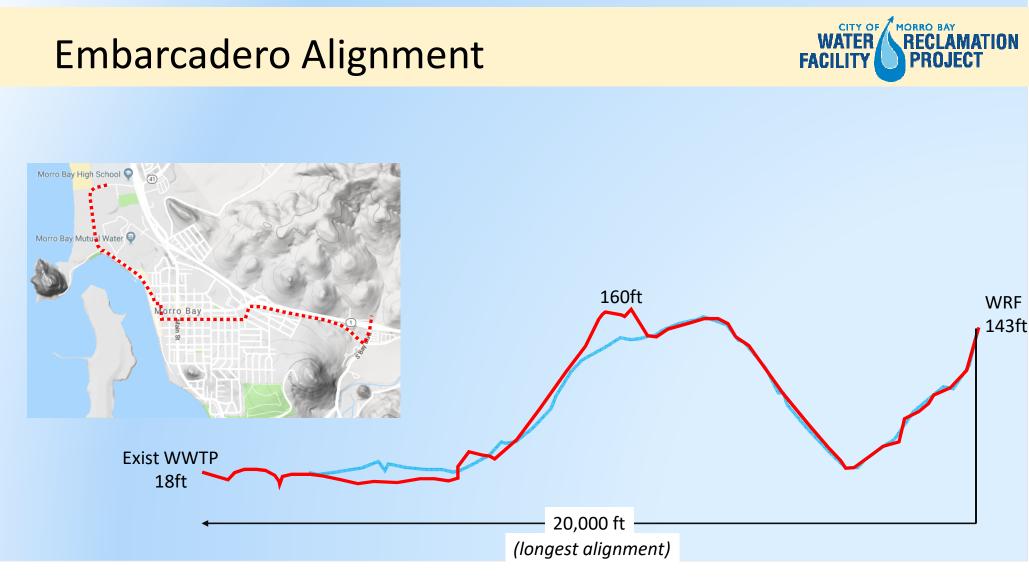
PROJEC

West Alignment

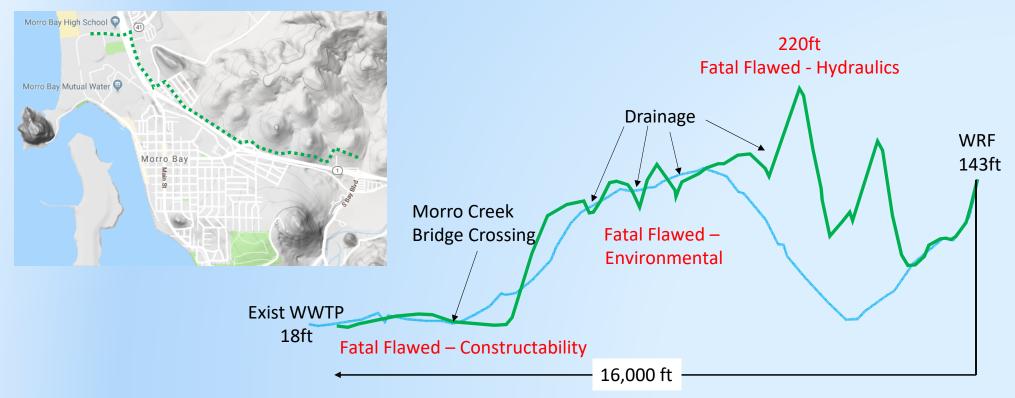




DRAFT 4-25-18 Public Forum - FINAL.pptx/18



East (Open Cut) Alignment



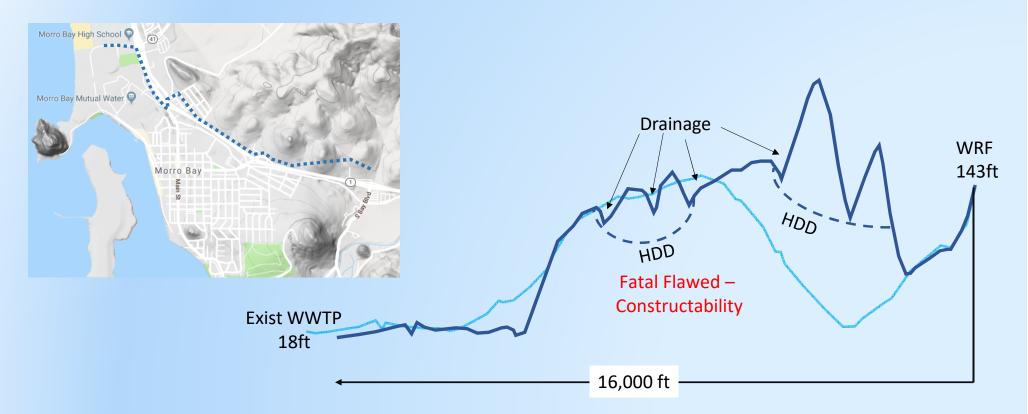
WATER RFCI AM

FACILITY

RECLAMATION

PRO

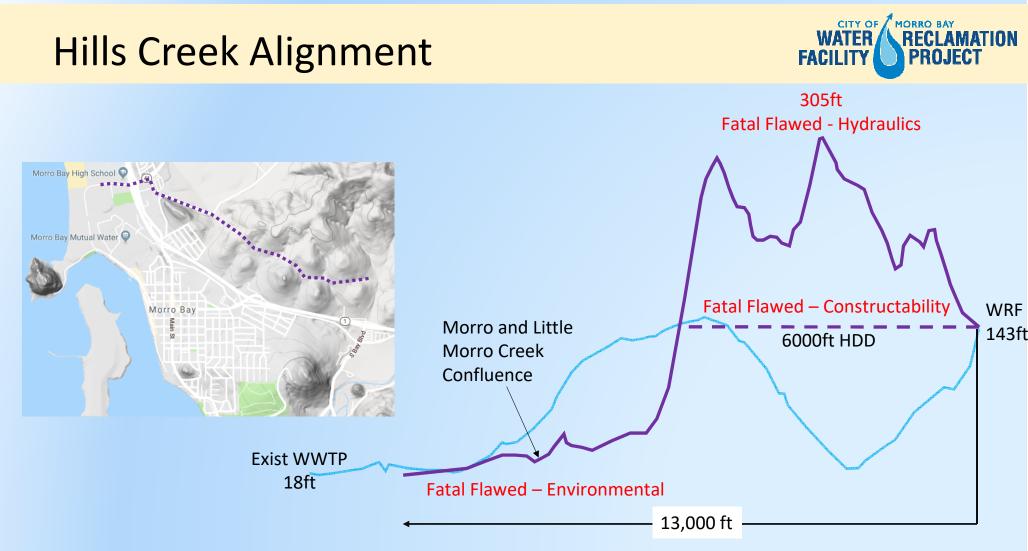
East (HDD)/West Alignment

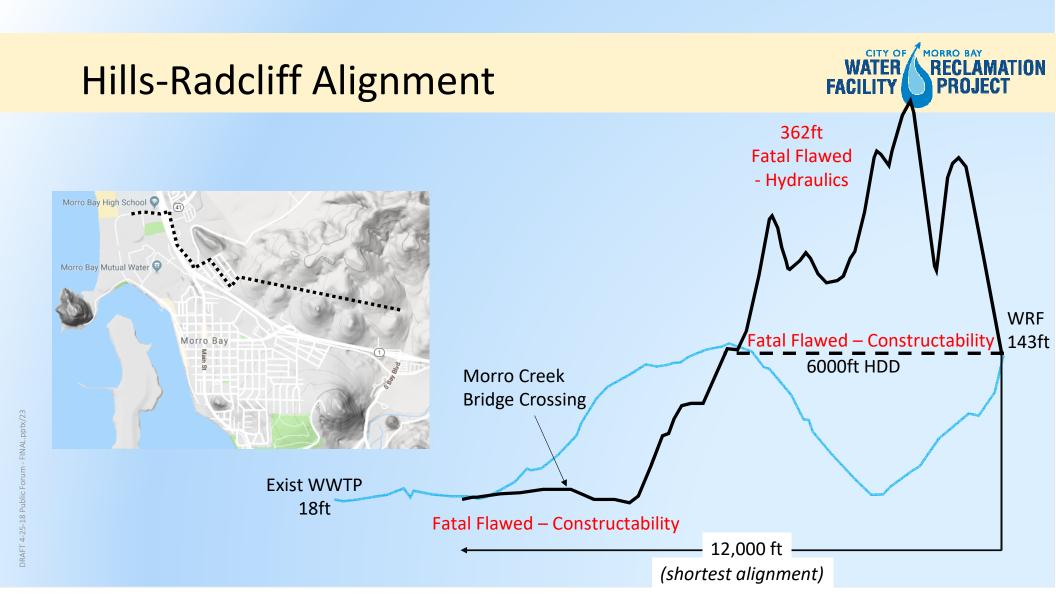


WATER RECLAMATION

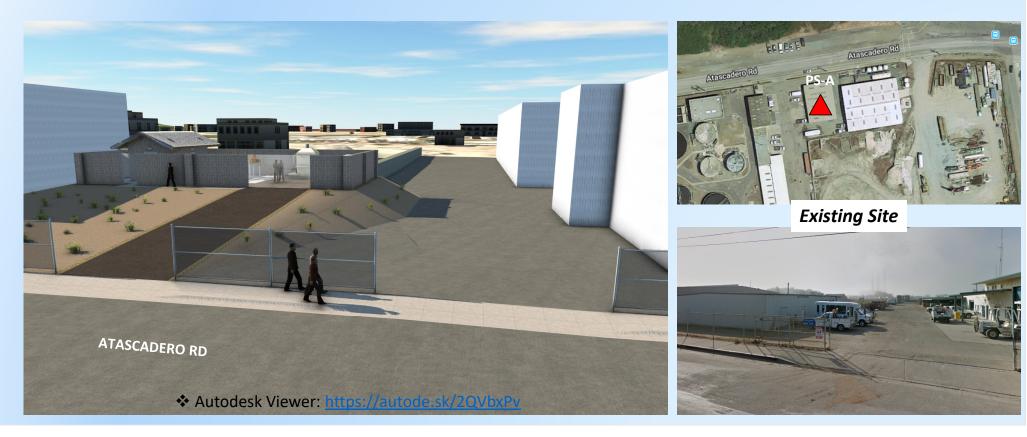
PRO.J

FACILITY





PS-A Preliminary Rendering



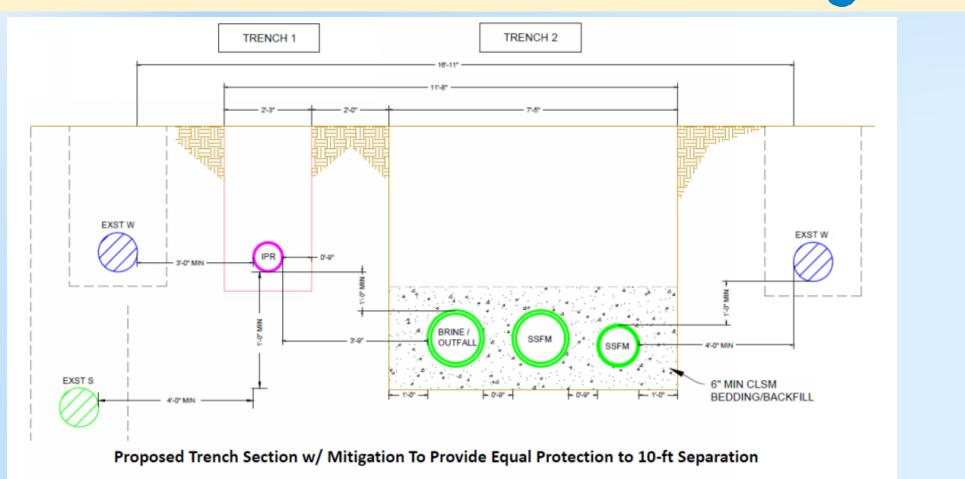
WATER RECLAMATION FACILITY

PS-B Preliminary Rendering





Trench section detail



WATER RECLAMATION

PROJEC

FACILITY