

RWCF Modifications Project

East Bank Outfall

Construction Change Order (CCO)-008

Council Water Committee

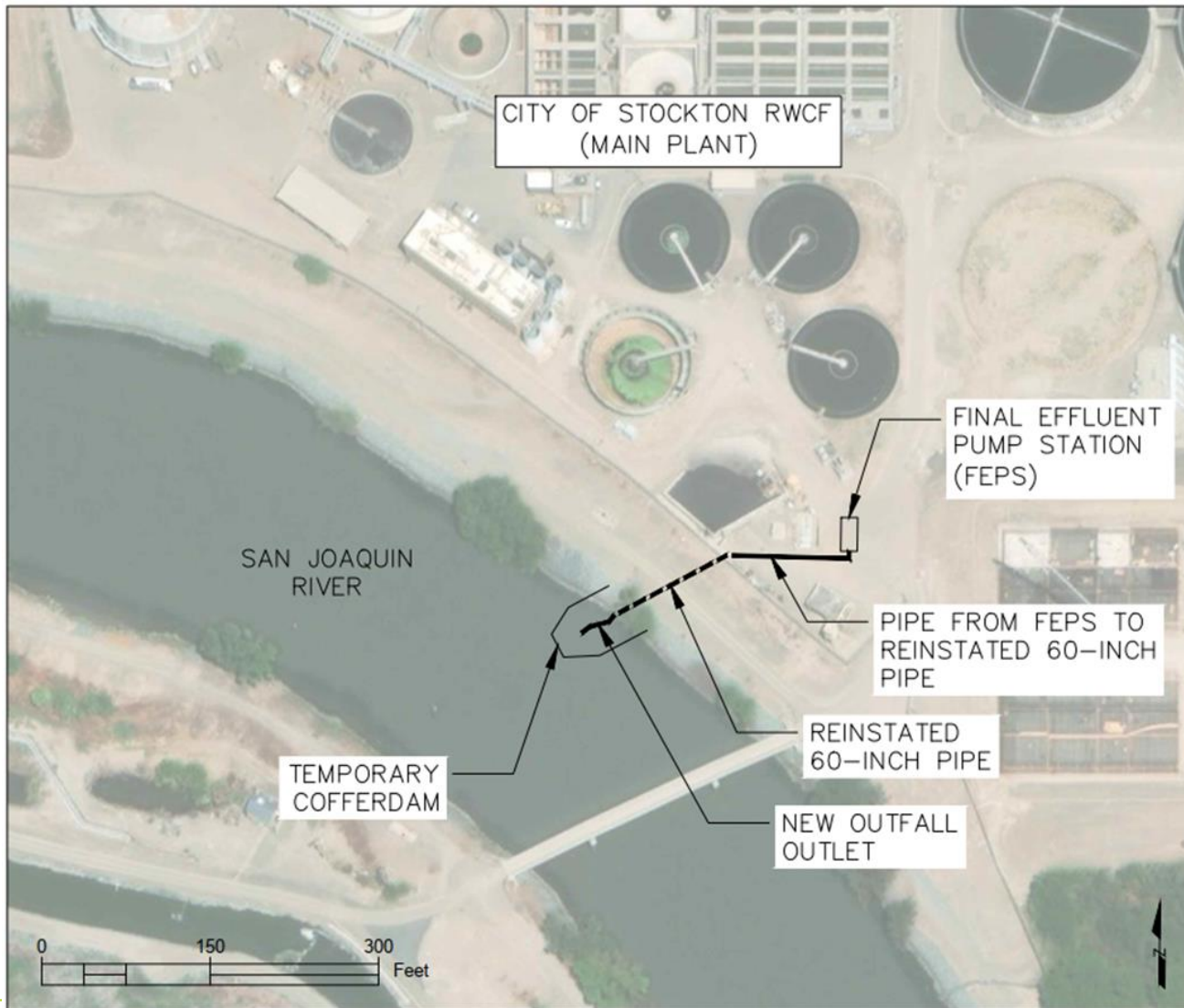
October 13, 2022

Agenda Item No. 3.3

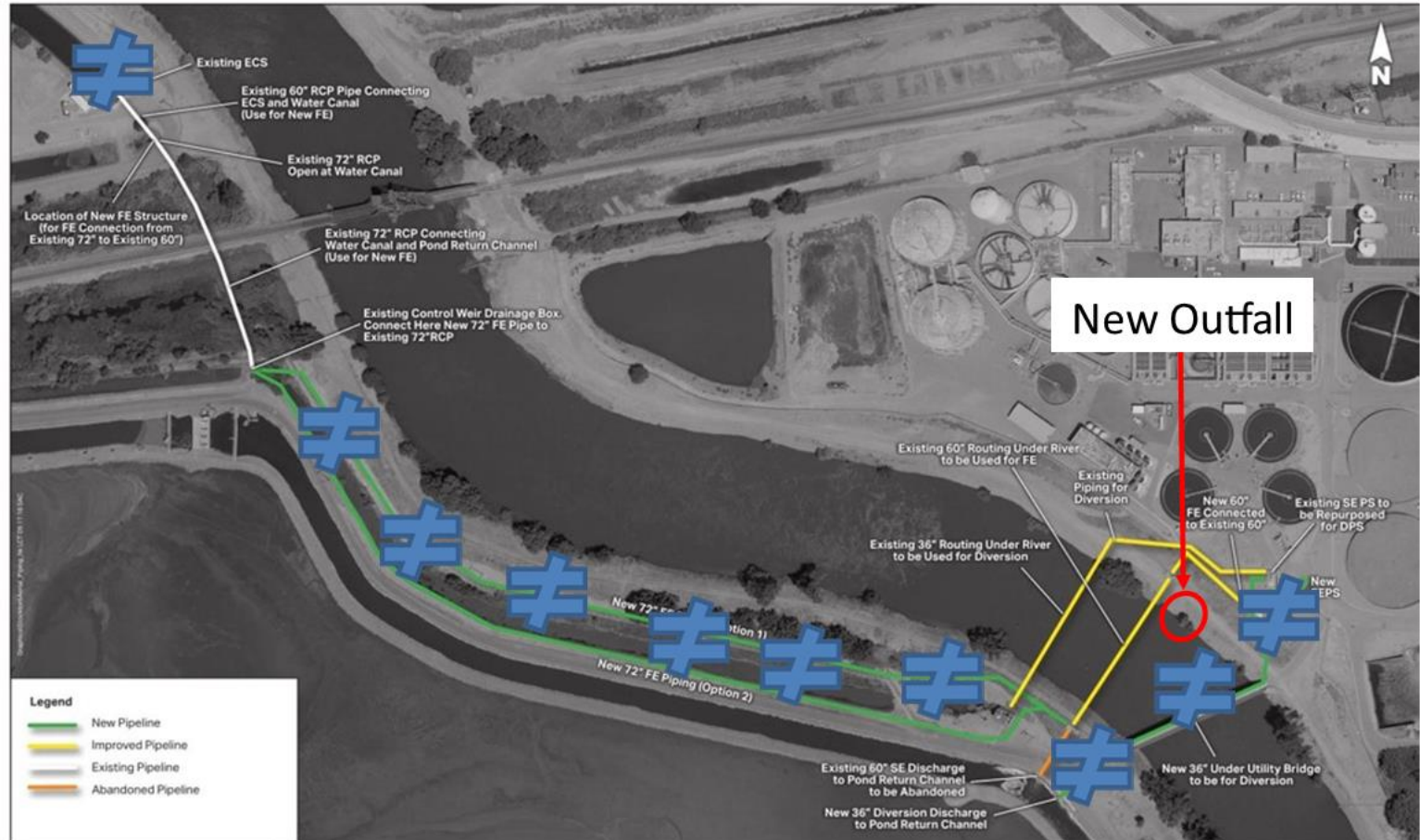
RWCF Modifications Project

- Original Contract Approach
 - Use existing pipelines to convey to existing outfall on west bank
 - Allowed for CEQA and permitting to proceed to meet schedule
 - Install temporary pipelines to serve until new outfall permitted and constructed
 - Temporary solution
 - New outfall permitting to be completed within 5 years
- Purpose of East Bank Outfall CCO-008
 - Consolidate operations on Main Plant (east side of River)
 - Avoid cost of temporary pipelines and structures ~\$1M
 - Allow gravity discharge >90% of time
 - Comply with NPDES Discharge Permit

East Bank Outfall Construction



Work No Longer Needed (Temporary)



East Bank Outfall CCO-008

- Evaluation

- Located formerly-used outfall pipe through levee (circa 1970s)
- Considered its use for east bank outfall
- Determined acceptable for EBO

- Updated Design

- Pipe suitable for reuse with lining
- Modify Final Effluent Pump Station (FEPS)
- Reroute effluent pipeline to existing outfall pipe
- Extend existing outfall pipe out and down into river

East Bank Outfall CCO-008

- Permitting
 - Central Valley Flood Protection Board (Flood Board) - complete
 - Reclamation District 404 - in progress
 - Corp of Engineers (COE) - in progress
 - Endangered Species Act (ESA): National Marine Fisheries Service (NMFS), Biological Assessment & Biological Opinion
- CEQA-complete

East Bank Outfall CCO-008

- Remove:
 - Construction of pipeline on the west bank of the river
 - Modifications to the weir control box on the west bank of the river
 - Construction of the connection to the existing pipeline under the railroad
 - Construction of a new effluent control box at the tertiary plant
- Modify the Final Effluent Pump Station to accommodate gravity flow to the east bank of the river

East Bank Outfall CCO-008

- Add:
 - Construction of effluent pipeline to the east bank of the river
 - Reinstatement and upgrade of the existing pipe under the east bank levee
 - Demolition of the existing apron structure on the east bank of the river
 - Construction of a new outfall outlet on the east bank of the river

East Bank Outfall CCO-008

- Findings (3.68.070):
 - Construction interface
 - Avoids \$1M of temporary work
 - Early abandonment of Tertiary Plan
 - Assure compliance with June 1, 2024, permit deadline

East Bank Outfall CCO-008

- Summary of Requested Actions
 - Approve findings pursuant to SMC 3.68.070
 - Approve CCO-008 for \$6.8M
 - Incorporate CCO-001 through CCO-007
 - Administratively approved
- Increase Phase 2B contract amount to \$206,789,950.31
 - CCO-001 through CCO-008
- Authorize City Manager to execute CCO-008
- Authorize City Manager to execute payments for direct mitigation
 - Not to exceed \$150,000

Recommendation

Forward item to the City Council for consideration and approval