

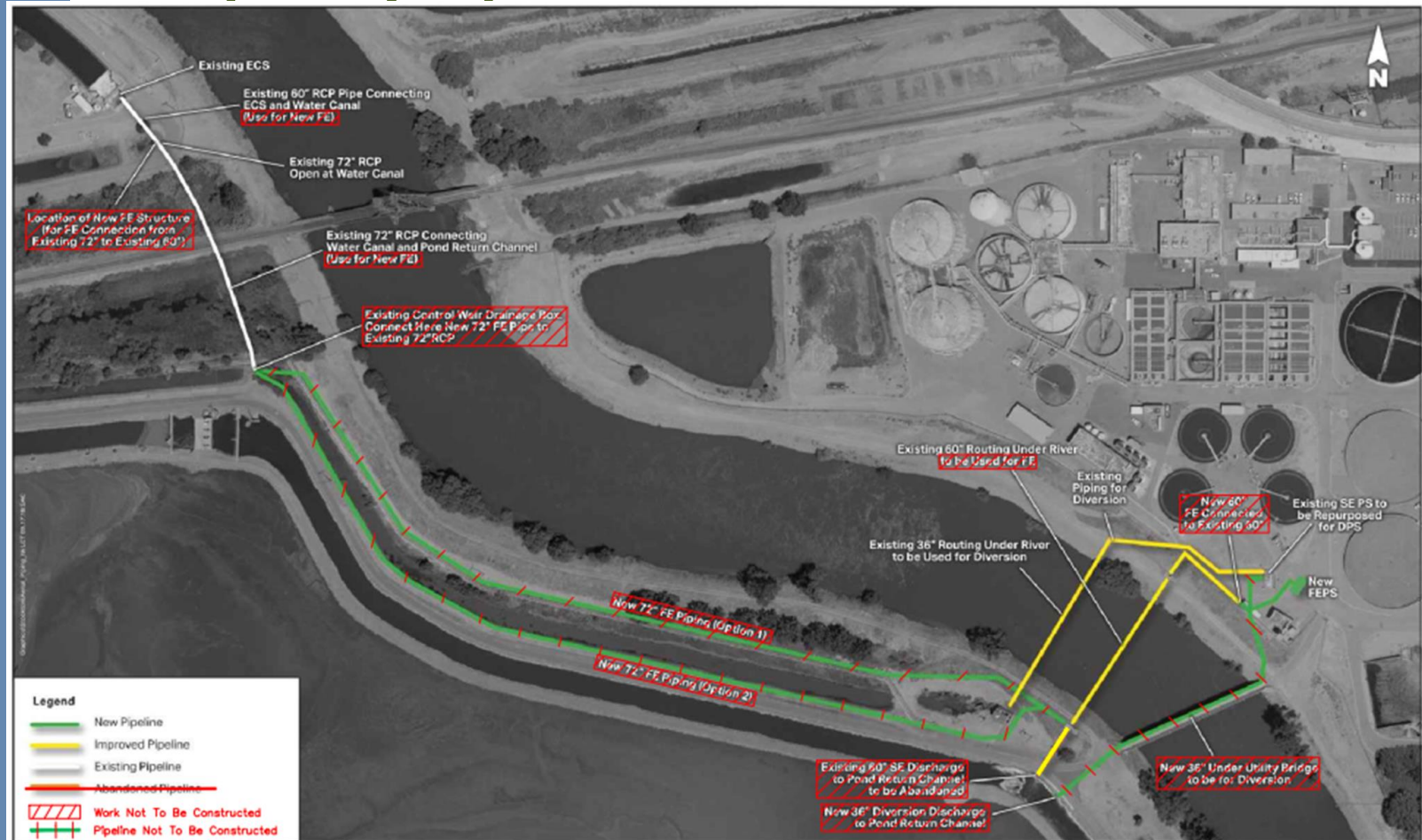
RWCF Final Effluent Conveyance Redesign (AKA East Bank Outfall)

Council Water Committee

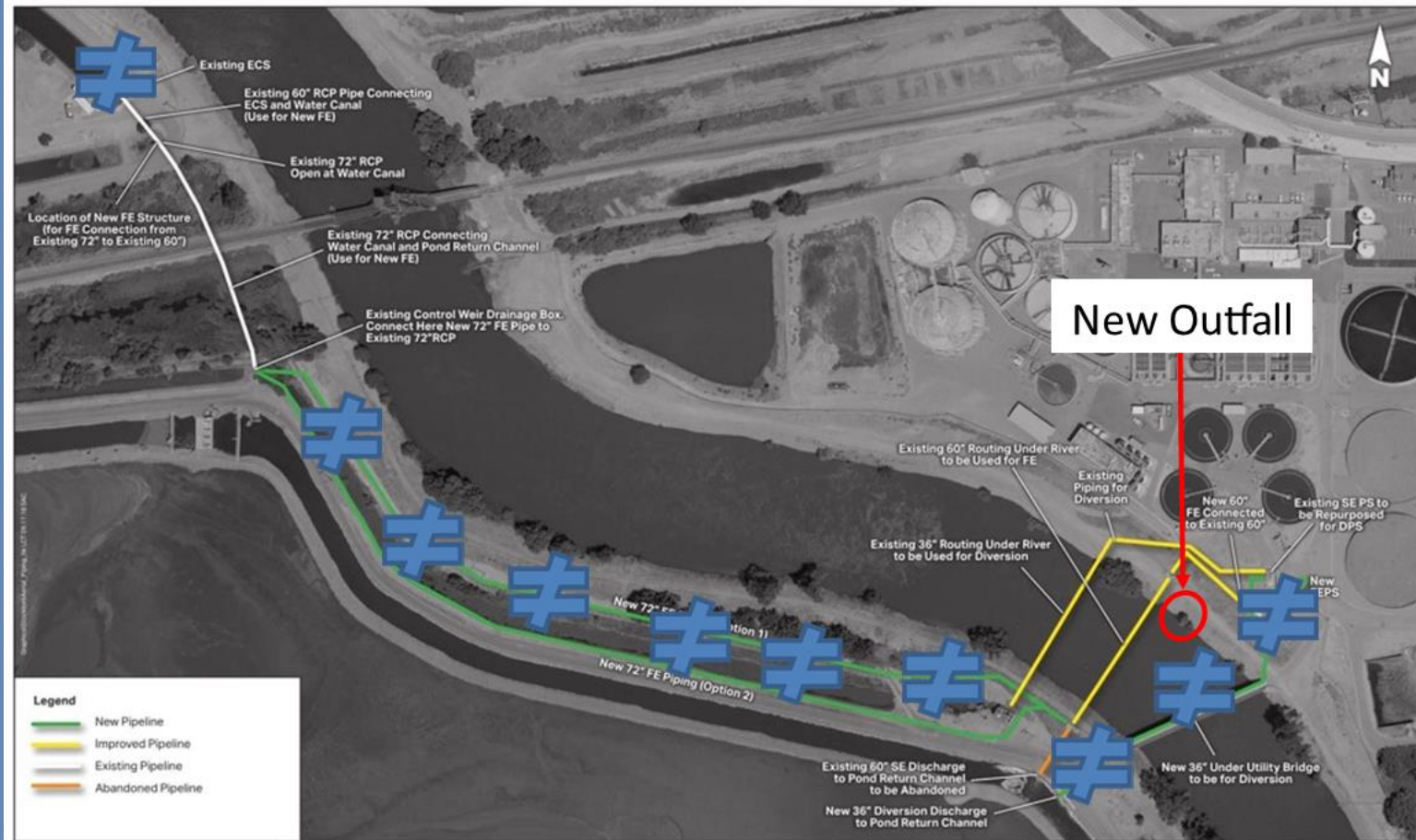
January 13, 2022

Agenda No. 3.4

Temporary Pipelines



Temporary Pipelines



Final Effluent Conveyance Redesign (AKA East Bank Outfall)

- Purpose

- 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

- Original Approach

- Use existing pipelines to convey to existing outfall on west bank
- Excavation in levee: major time and effort to permit
- Allowed for CEQA and permitting to proceed to meet schedule
- Install temporary pipelines to serve until new outfall permitted and constructed
- New outfall permitting to be completed within 5 years

- Separate CIP

Final Effluent Conveyance Redesign (AKA East Bank Outfall)

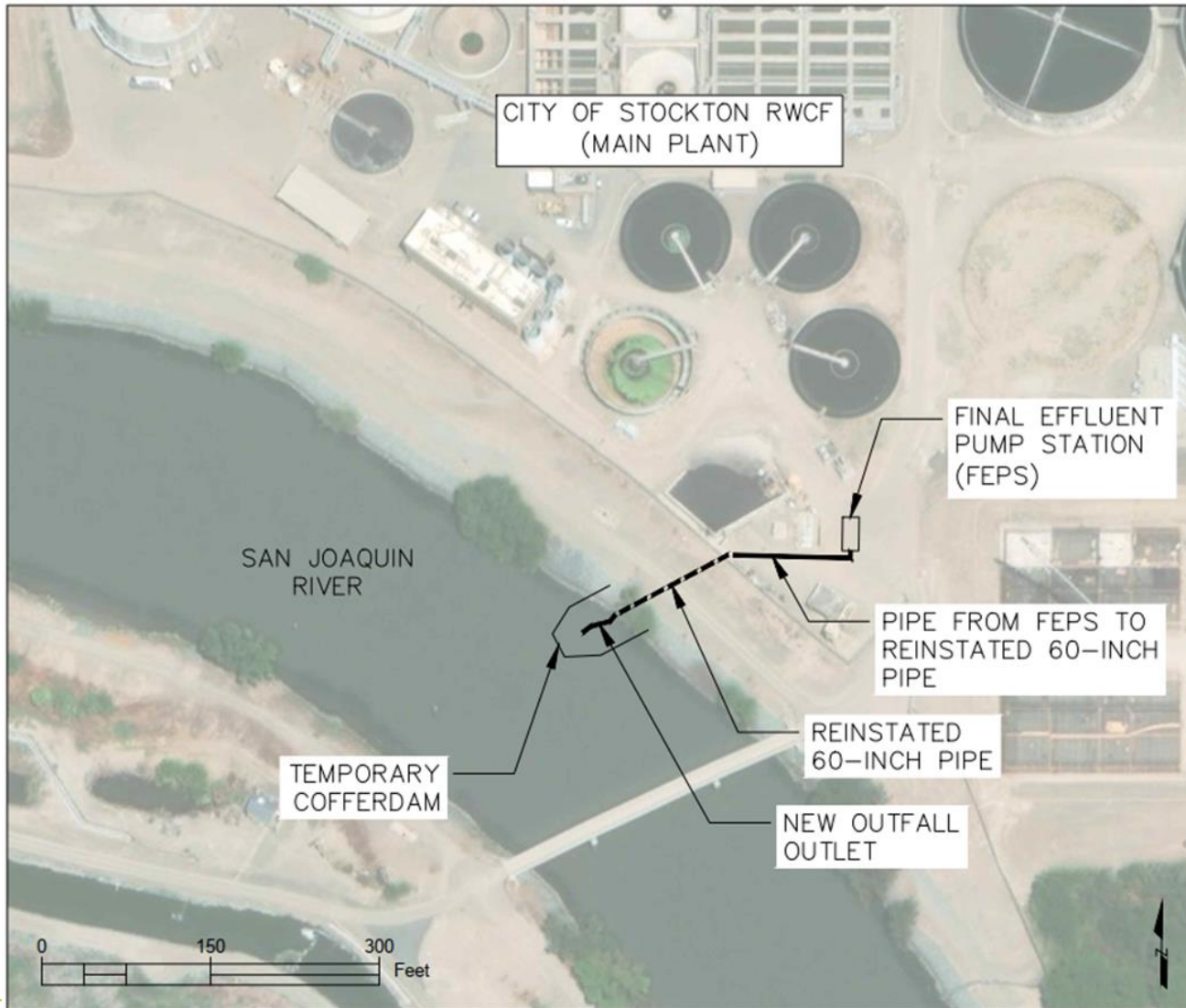
- New Information

- Located formerly-used outfall pipe through levee (circa 1970s)
- Considered its use for east bank outfall
- Began investigation into viability
- Determined viable approach

- Updated Design Approach

- Authorized JV to investigate and design east bank outfall
 - Existing 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 Construction



Final Effluent Conveyance Redesign (AKA East Bank Outfall)

- Permitting
 - Central Valley Flood Protection Board (Flood Board)
 - Reclamation District 404
 - Corp of Engineers (COE)
 - Endangered Species Act (ESA): National Marine Fisheries Service (NMFS), Biological Assessment & Biological Opinion
- CEQA
 - Supplemental EIR
 - Construction Related Impacts
 - Less than significant with mitigation

Final Effluent Conveyance Redesign (AKA East Bank Outfall)

- Next Steps

- Finalize construction cost: net increase
- Prepare change order to JV
- Council Consideration
 - Certify Supplemental EIR
 - Modifications Project Construction
 - Budget adjustment
 - Move from Outfall CIP to Modifications Project CIP
 - Change Order approval

- Schedule

- Council consideration July 2022
- Construct August 2022
- Construct Summer 2023