



WES Service Area







Overview

- The current outfall from the Tri-City Water Resource Recovery Facility (TCWRRF) was constructed in 1984 and is nearing its capacity during peak wet weather events.
- WES is proposing to install a new outfall pipeline that would run underneath Jon Storm Park and discharge into the Willamette River.
- The proposed outfall project, which calls for a vote of the people of Oregon City, would be funded as a component of WES's Capital Improvement Plan.
- The proposed ballot measure would not increase taxes.



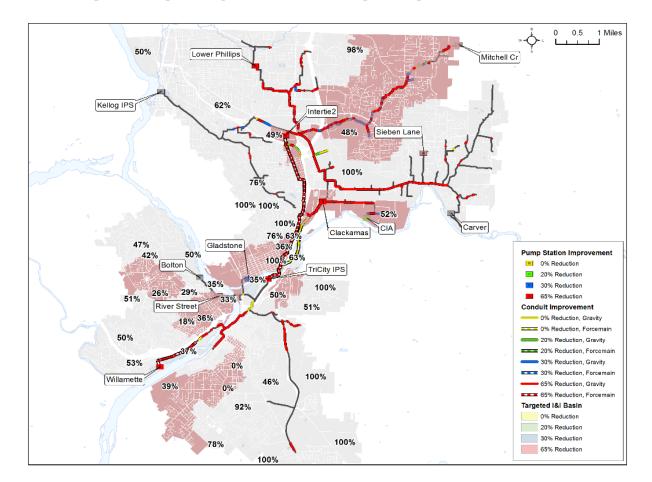


Proposed Ballot Measure:

- WES is proposing to construct and obtain easements for an outfall pipeline underneath Jon Storm Park.
- The Oregon City Charter calls for a vote of the people regarding the easements and for the construction of permanent structures unrelated to recreation on park property.

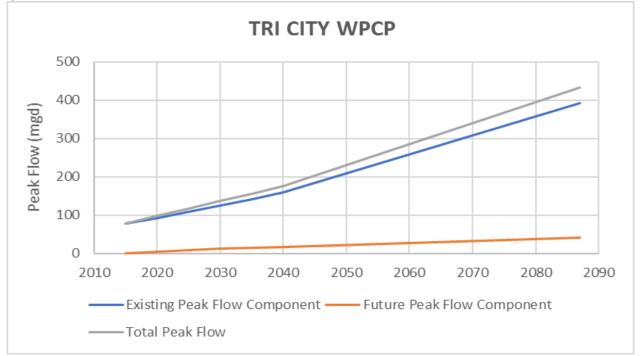


Inflow and Infiltration



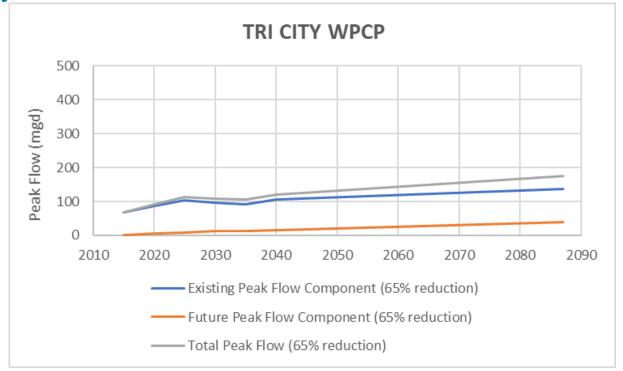


Tri-City Flows – No Inflow and Infiltration Reduction





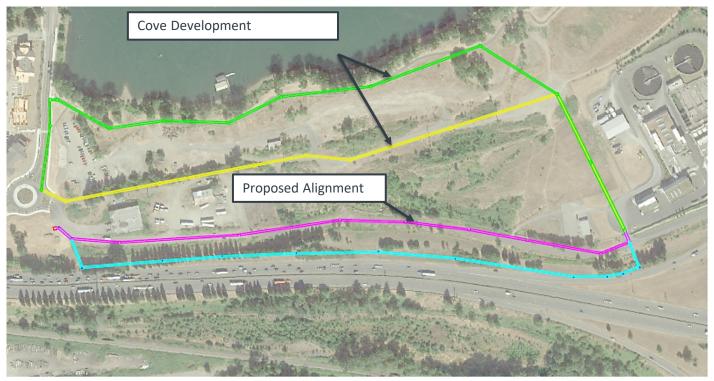
Tri-City Flows – Inflow and Infiltration Reduction





Outfall Routing Study: Conducted by Jacobs Engineering Group in Fall of 2019

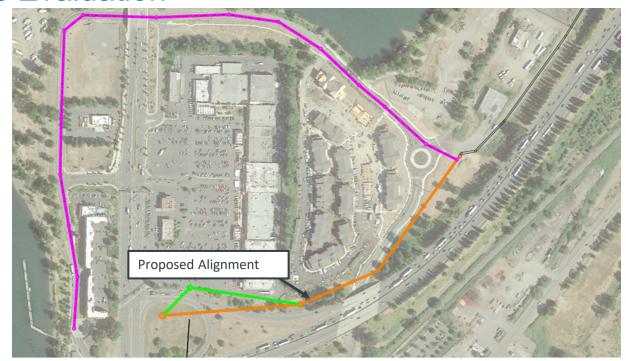
- First step in proposed project was to perform a routing study.
- The alignment was broken into three pieces starting at the plant.





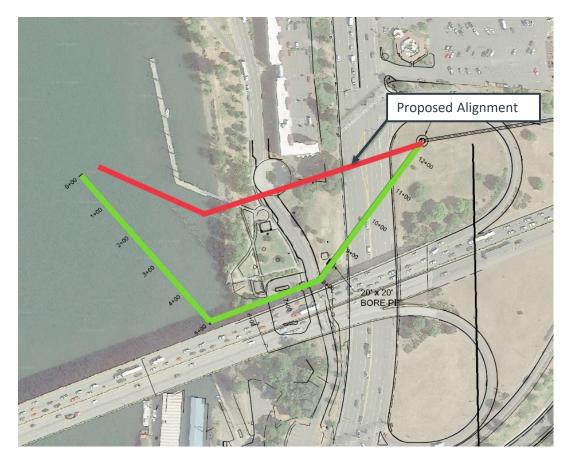
Outfall Alternatives Evaluation

- Study analyzed alignments with other planned projects along the corridor: ODOT Bridge and Cove Development.
- Study analyzed gravity flow.
- Construction methods would include Traditional Open Cut and Tunneling.





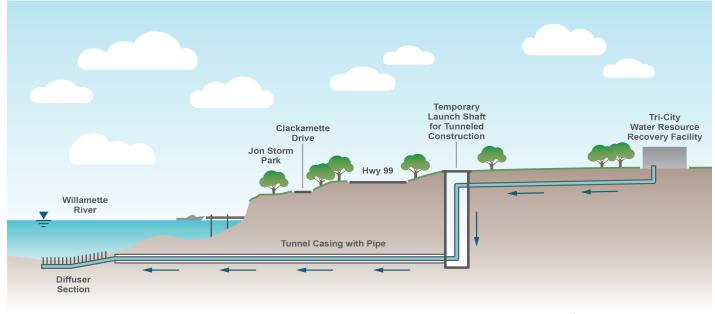
Proposed Outfall Location and Route



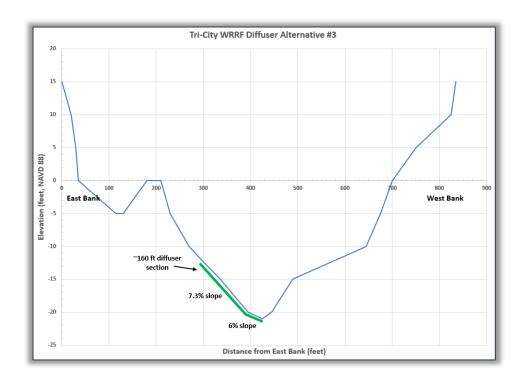


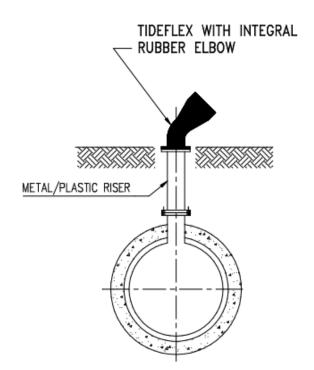


Proposed Tunneling Technologies



Diffusers – Portion of Outfall extended into the water flow





Portion of pipeline above river bottom is just the diffuser valve.





Proposed Project Alignment Next Steps

- Finalize Size (90") and Pipe Material (FRP).
- Develop a permit strategy.
- Continue engaging with community and stakeholders.
- Oregon City Ballot Measure: November 3.



Desktop Survey completed Project Steps - Archaeology in October 2019 Archaeological Reports / Plans Project Phase Agency / Permitting Engagement STEP WES met with representatives from the Preliminary Alternatives Step 1 -Tribal Historical Archaeology RESEARCH & Evaluation Preservation Office on Recommendations Report **IDENTIFY** Site walk / reconnaissance June 25th 2020. Apply for SHPO STEP 2 -Refinement of Archaeology Report for ACOE, Excavation permit Preferred Route **EVALUATE** SHPO and Tribes Review * Project Completed Site Submit JPA to ACOF to initiate Project wrapped up Walk in June 2020 consultation with Tribes and Alternatives Evaluation SHPO through NHPA Section 106 in February 2020 process STEP 3 -Design of Selected Prepare Cultural Resources Incorporate AVOID / Alternative permitting requirements Monitoring Plan, MITIGATE Unanticipated Discovery Plan in construction and possibly data recovery ** Project documents Construction

^{*} Any cultural resources found on public lands will be documented and curated at a museum facility per SHPO excavating permit.
** If archaeological resources are encountered during construction, work will stop in the immediate vicinity of the find until a professional archaeologist in consultation with the lead federal agency, SHPO and area tribes can assess the significance of the find.



Park Mitigation

- If the measure passes, WES would restore the park to its original condition and in addition provide for mitigation improvements identified by the Oregon City Parks and Recreation Advisory Committee.
 - PRAC recommends "mitigation going towards a tree inventory and some mediation of hazard trees; any remaining funds to be used for master planning of Jon Storm, Clackamette parks."



Public Involvement Plan



Public Involvement Plan Timeline www.tricityoutfall.info



QUESTIONS

