VIEWS OF S-3D-JDF-EXIT_SECTION_ASSEMBLY.DGN

S-3D-JDF-exit_section_assembly.dgn

pw://PWINT-WPC.EIS.DS.USACE.ARMY.MIL:CENWP&space;-&space;Portland&space;District/Documents/D{e1a0d319-85fc-421f-a165-c8ef757e594b}







CONCEPT



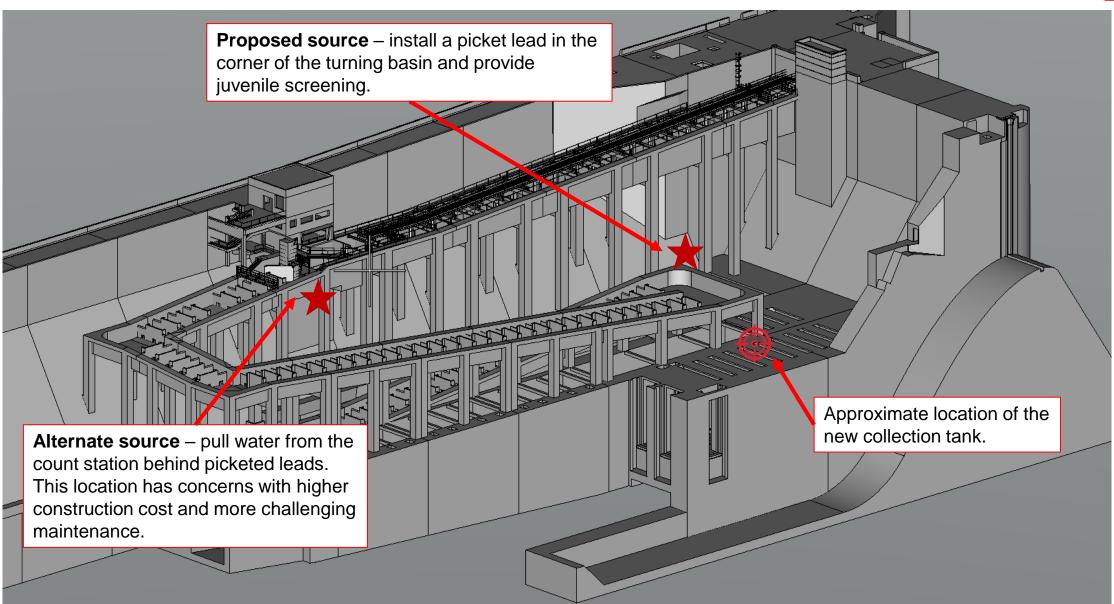
Minimize long-term O&M requirements and increase system reliability by installing a gravity water supply system for the LPS.

DESIGN FACTORS

- Gravity water supply (from North Fish Ladder) must meet LPS flow requirements:
 - 150 gpm design flow; 124 gpm down flume; 15 gpm for the collection tank; ~11 gpm to provide adjustability
- Screening for water supply must meet NOAA fry criteria:
 - 'Active debris cleaning' velocity maximum 0.4 ft/s
 - 'Passive debris cleaning' velocity maximum 0.2 ft/s
 - Note: An active system within the fishway is likely not acceptable
- Location and shape of water supply intake and screen must minimize potential salmonid and lamprey interaction/entrainment risks and risks associated with debris.

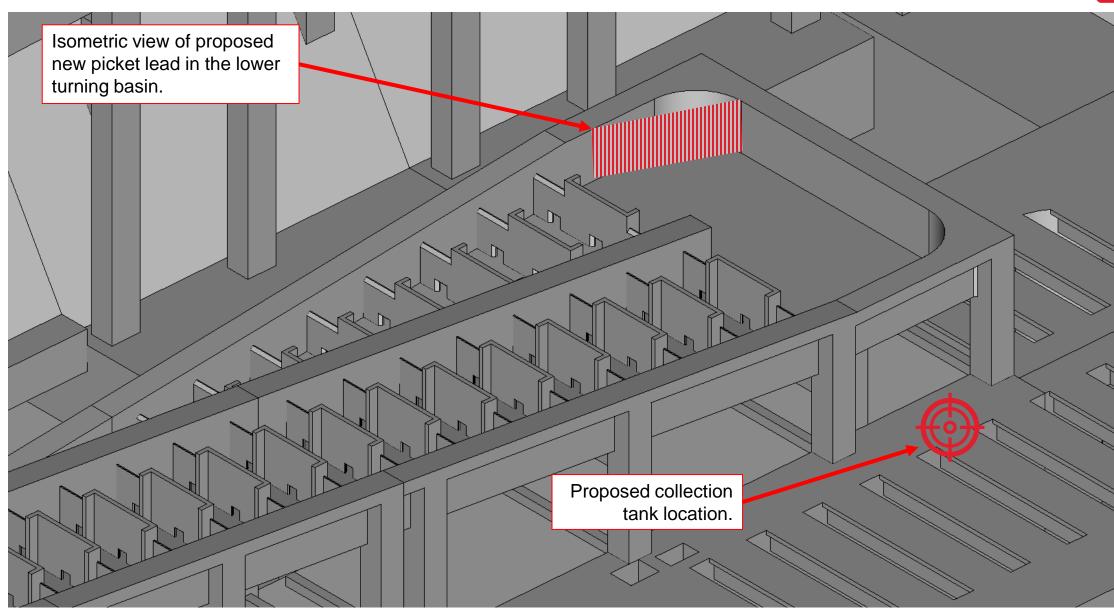






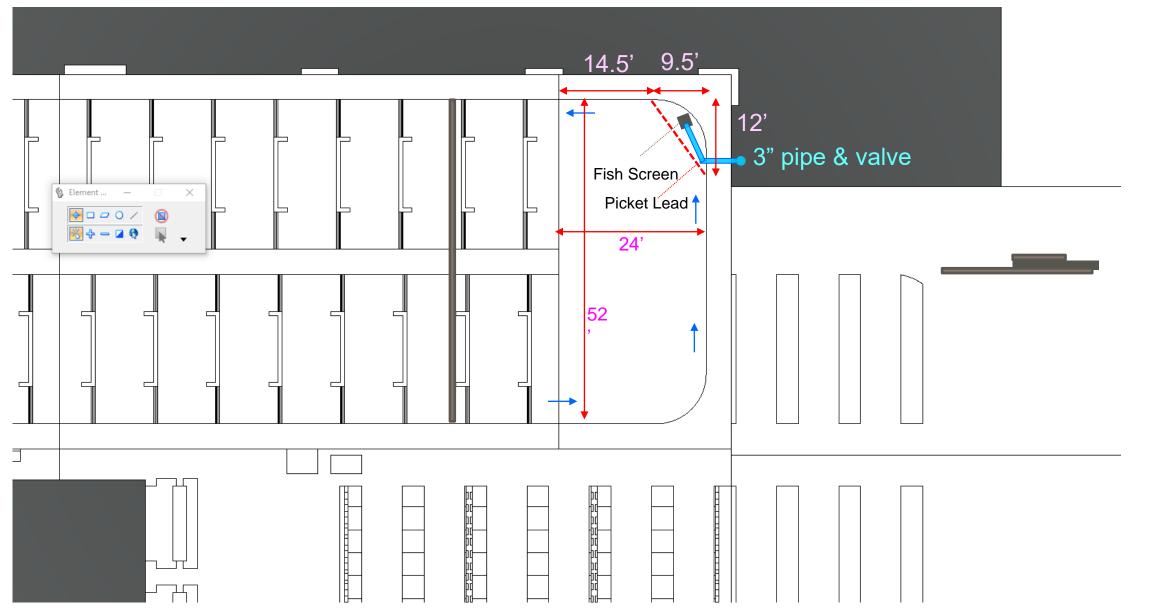








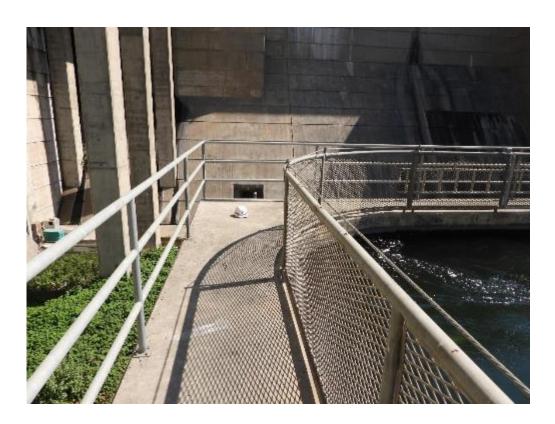




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Corner of lower turning basin:



View from on top of the dam:

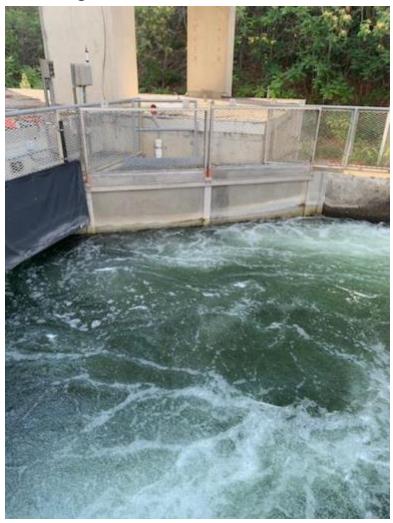


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PHOTOS



South ladder turning basin:



South ladder picketed lead:

