


Zackuse Creek Fish Passage and Stream Restoration Project

PUBLIC OPEN HOUSE NO. 2


JANUARY 10, 2018




Project Partners

- City of Sammamish
 - King County
 - Kokanee Work Group
 - Snoqualmie Tribe
 - Trout Unlimited
 - Private Property Owners
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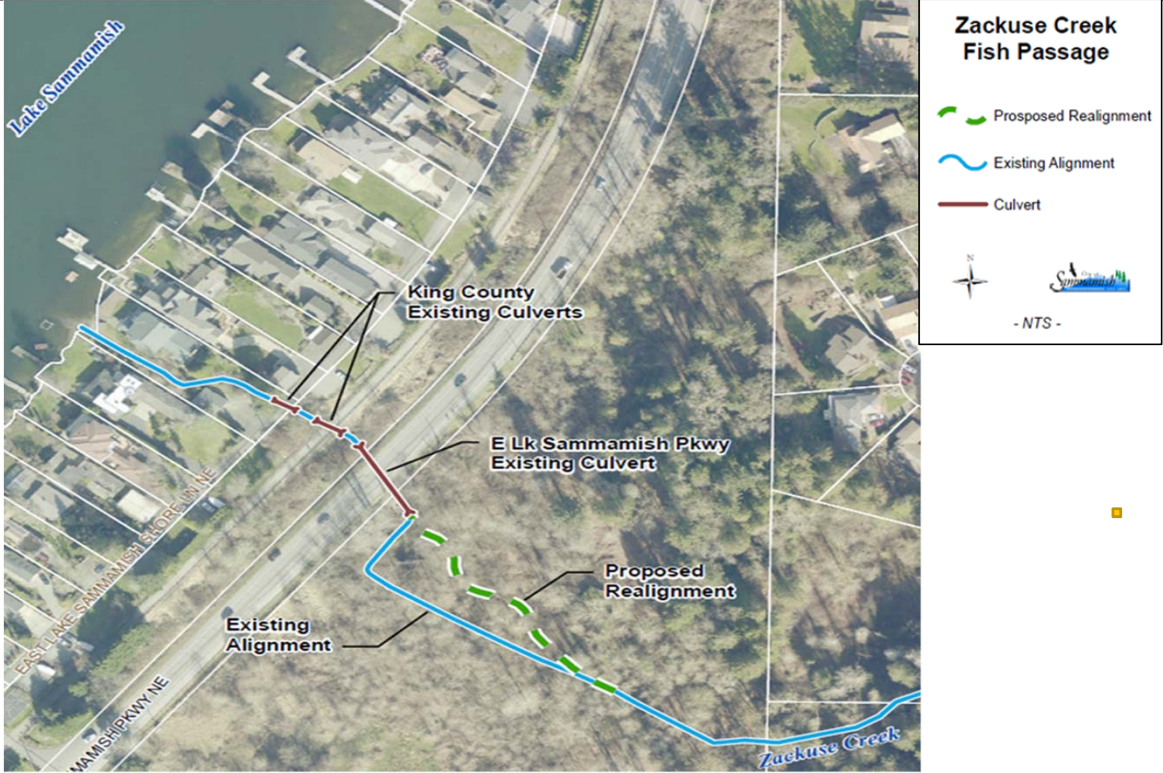
Agenda

- Project Overview and Status
 - East Lake Sammamish Parkway Culvert Design
 - Stream Restoration Design
 - King County Trail and Shore Lane Culvert Design
 - Project Schedule
- 


Project Overview and Status

- Replace existing culvert on ELSP with fish passable box culvert
 - Restore and realign degraded stream channel upstream of ELSP
 - 90% design completed
 - Some permits have been issued, waiting for others
 - Finalizing Interlocal Agreement with King County
 - Construction start June 2018
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Project Layout



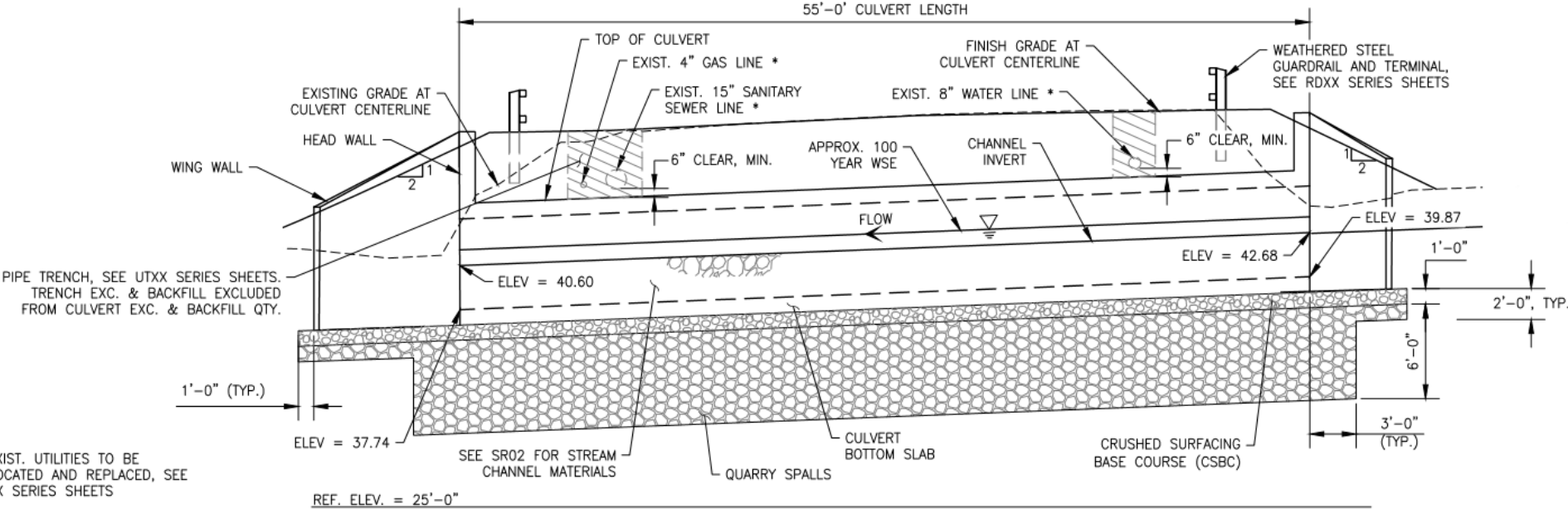
East Lake Sammamish Parkway Culvert Design

- Precast concrete culvert (12-ft span x 55-ft long)
 - Sewer and water temporary bypass and relocate
 - Finalize geotechnical analysis
 - Analysis of best construction method
 - Permitting
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Zackuse Creek at ELSP




ELSP Culvert Profile



Construction Impacts

East Lake Sammamish Parkway Culvert

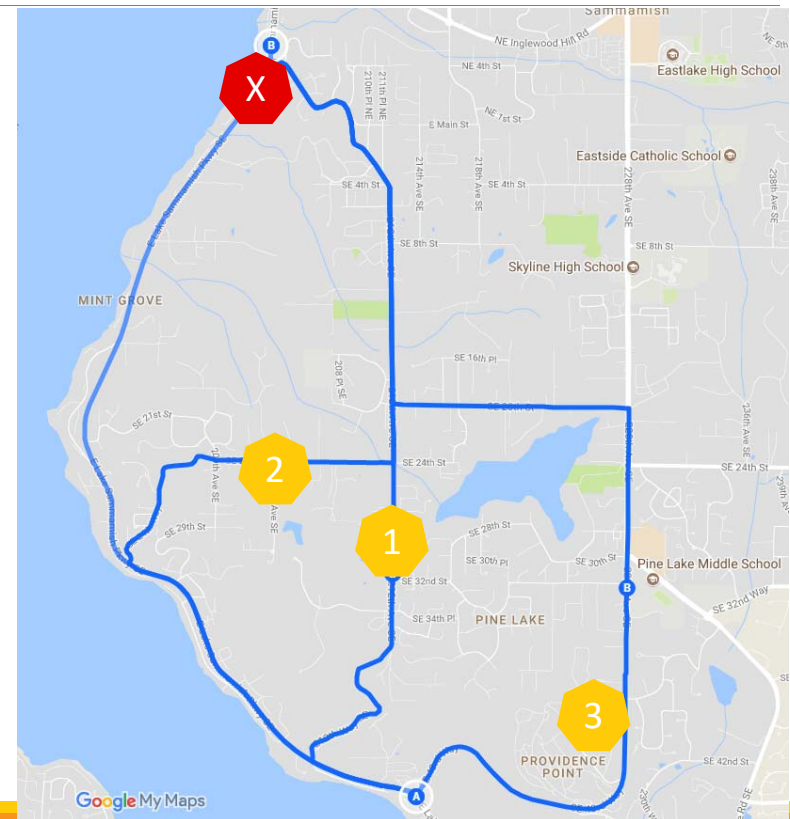
- Full road closure East Lake Sammamish Parkway (max 2 week)
 - Vertical shoring – impact driving noise and vibration
 - Stream bypassing/dewatering – pump and generator noise
 - Sewer and water temporary bypass
 - Construction staging
 - Construction trailer/porta potty
 - Typical construction noise
- 

Detour Route Options

1 Snake Hill (212th Way)

2 SE 24th Way

3 SE 43rd Way



Example of Culvert Head and Wing Wall



Example of Weathering Steel Guardrail



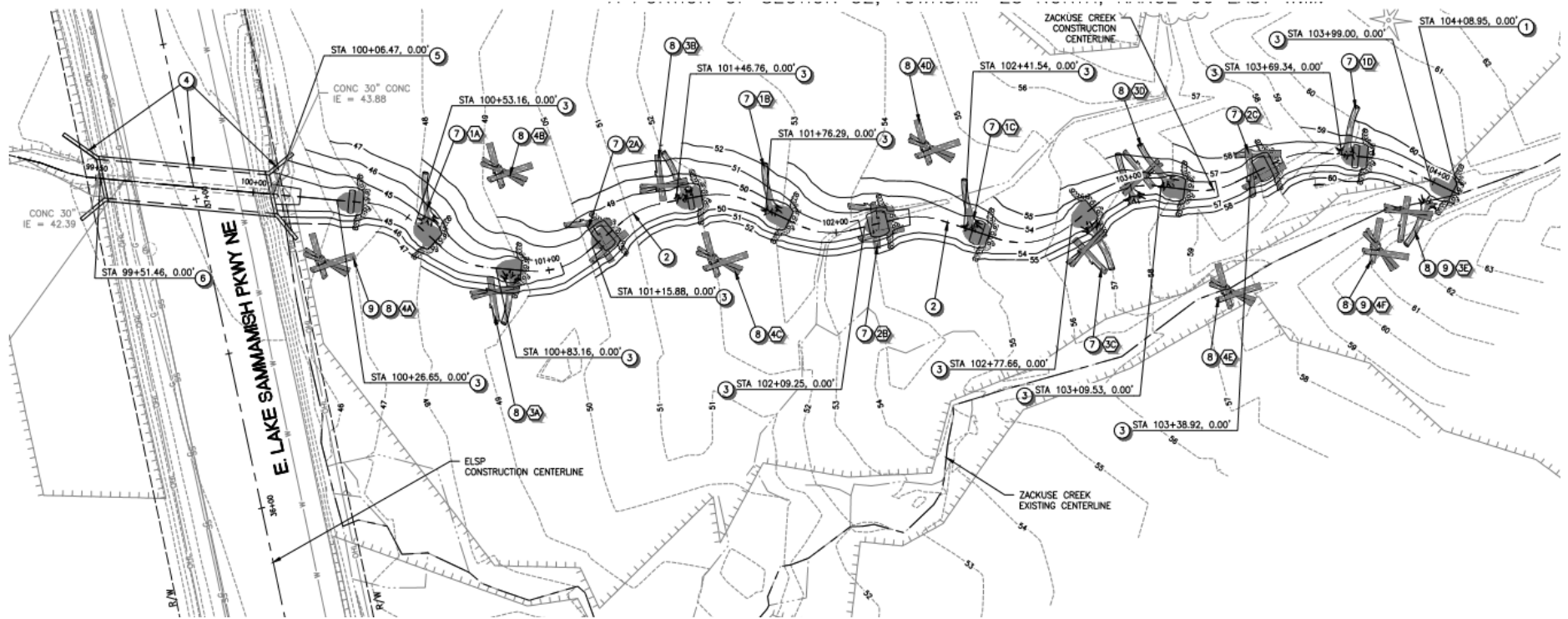
Stream Restoration Design

- Design a stream channel to support spawning habitat
- Step, pool, riffle design selected
- Inclusion of additional large woody debris to address Tribes comments
- Plantings!!!!

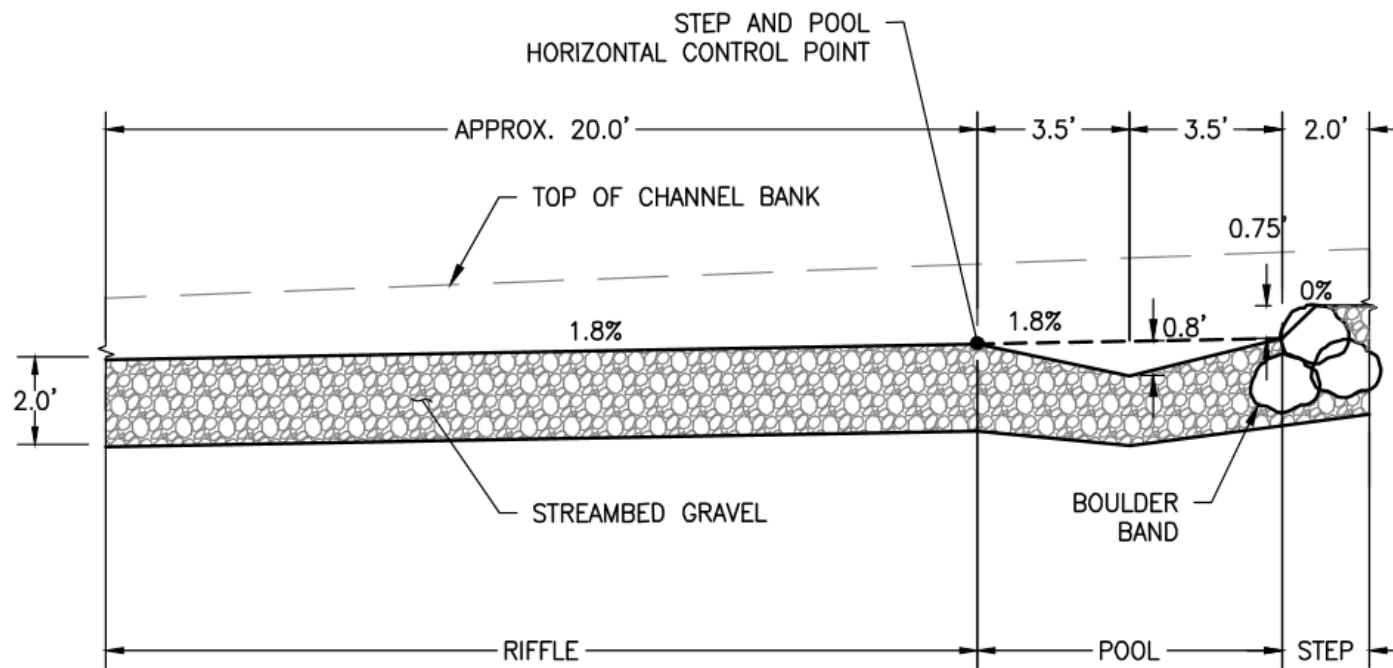
Existing Stream




Stream Channel Grading Plan



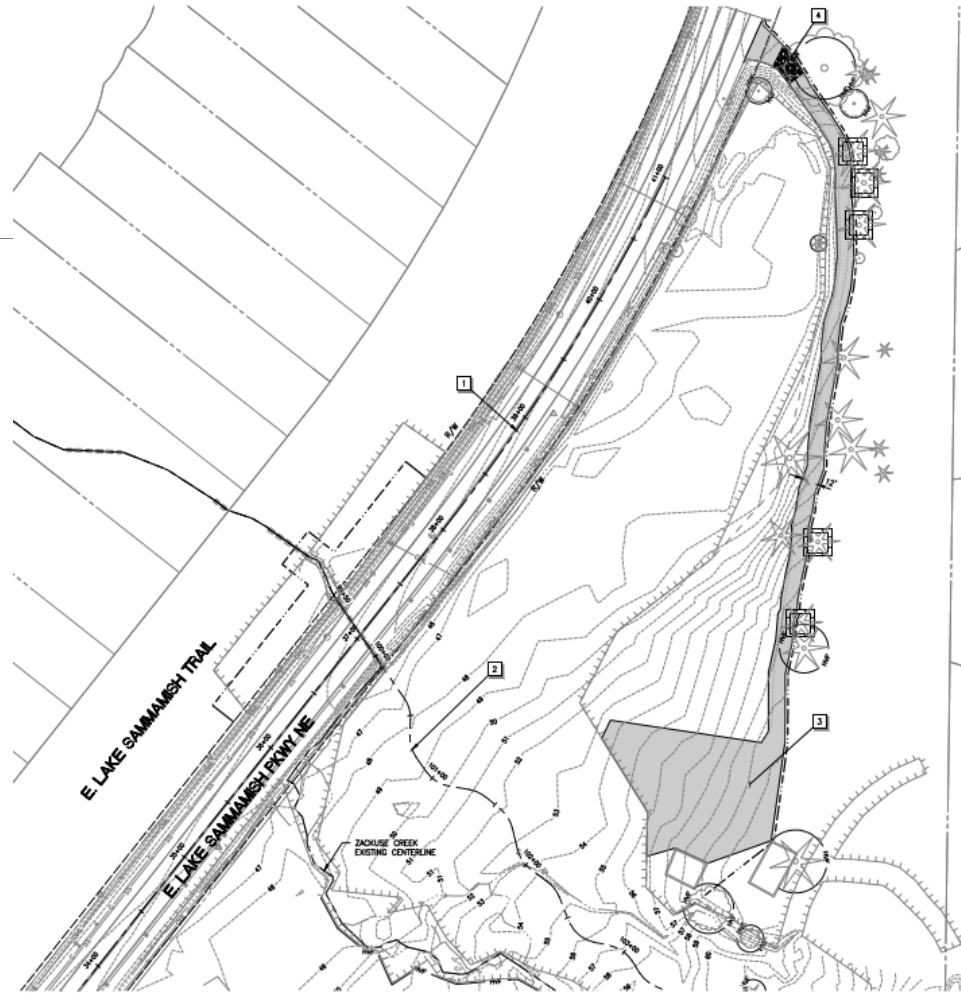
Step, Pool, Riffle Section



Construction Impacts Stream Restoration

- Construction staging
 - Materials hauling
 - Typical construction noise
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Staging Plan



King County Trail and Shore Lane Culverts

- Interlocal Agreement with King County
- King County design
- City manages construction
- King County reimburse City of KC Trail and Shore Lane culverts

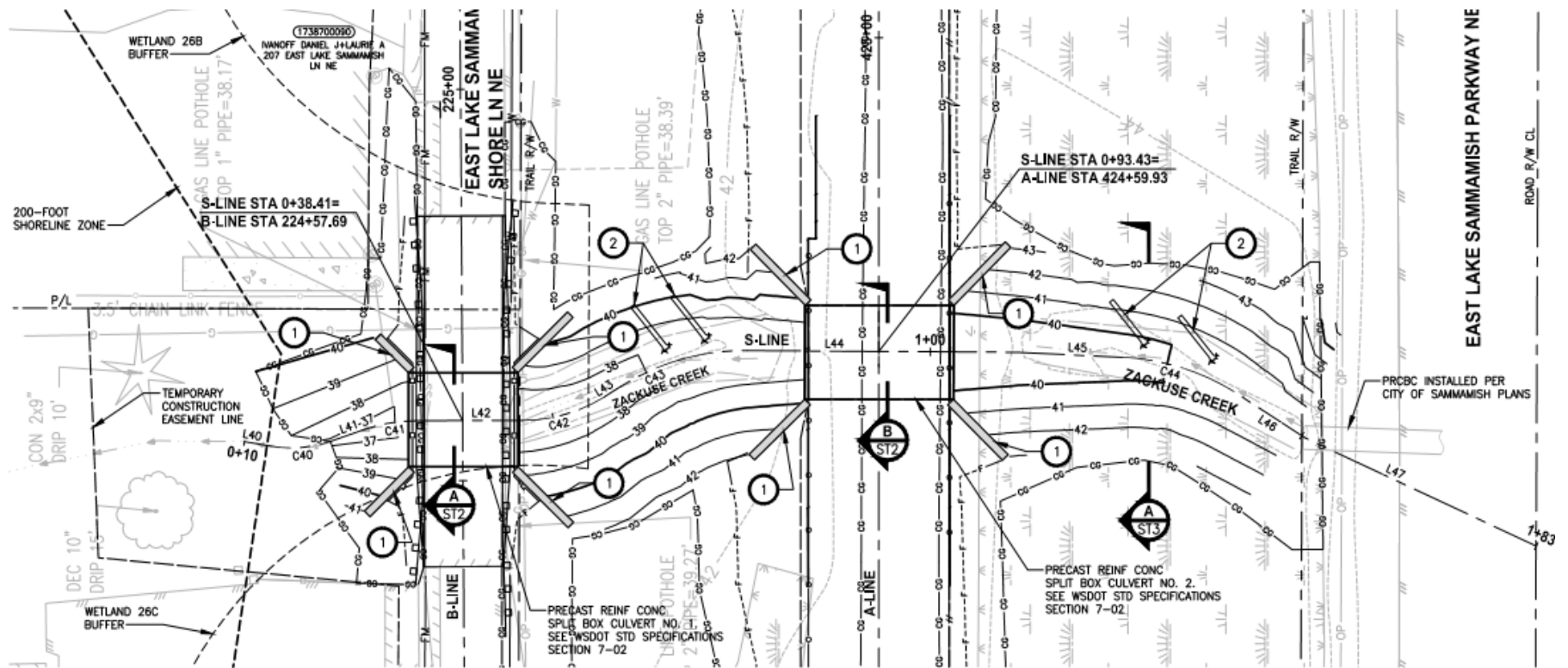
King County Trail Culvert



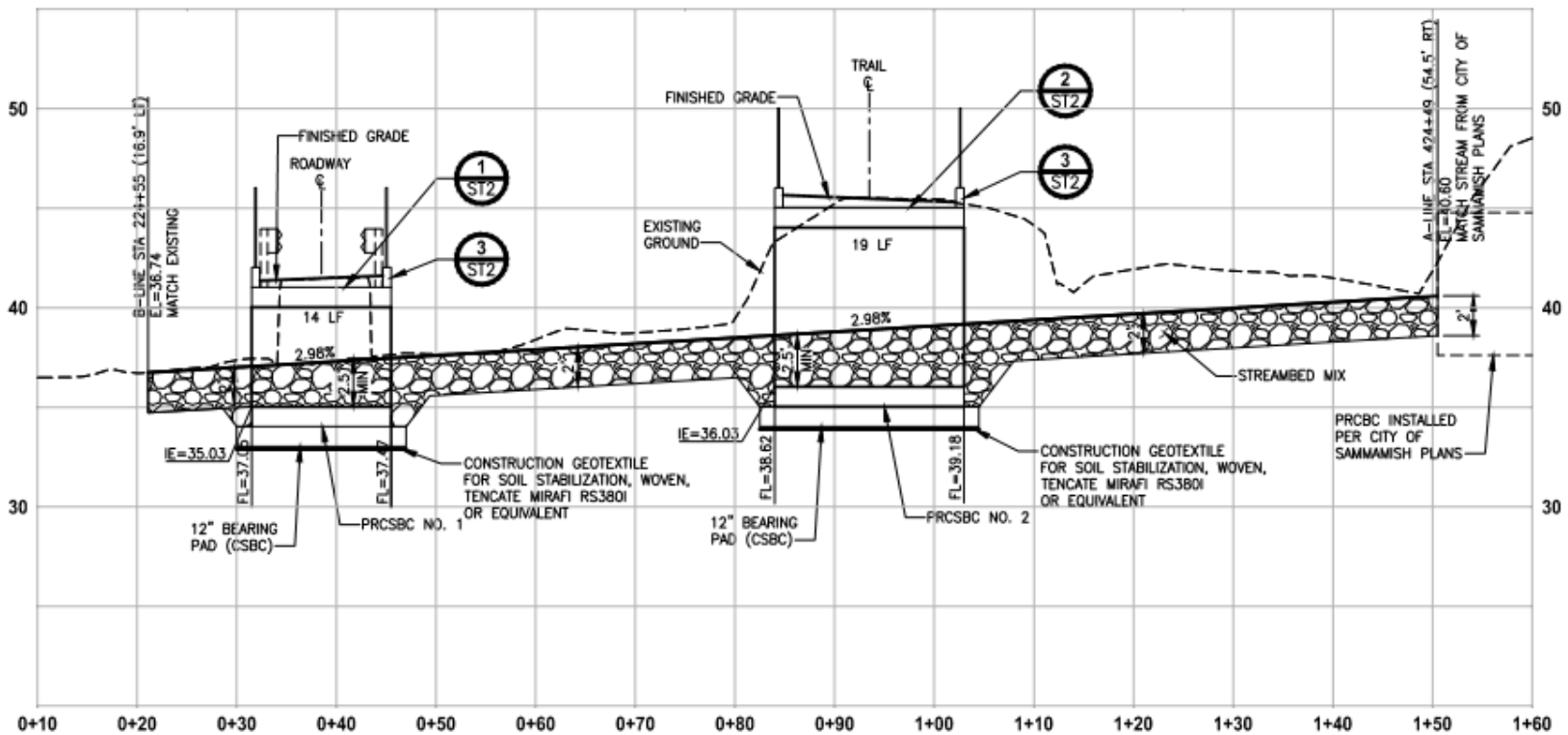
Shore Lane Culvert




Shore Lane and Trail Culverts Plan View



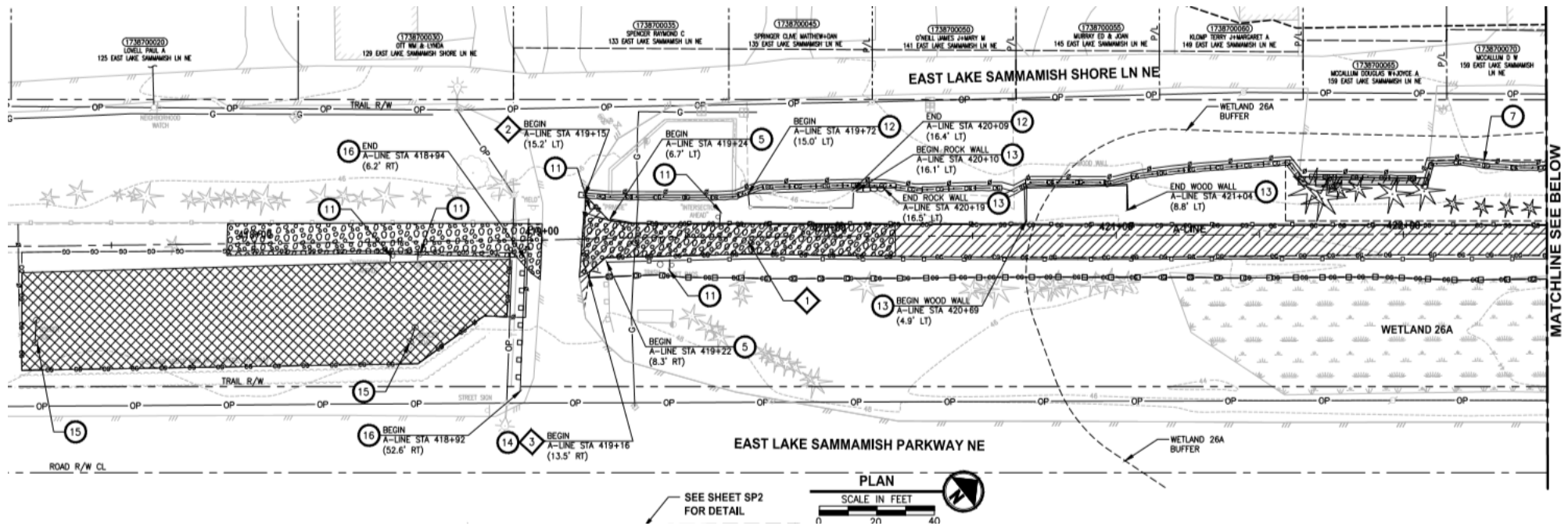
Shore Lane and Trail Culvert Profile



Construction Impacts Trail and Shore Lane Culverts

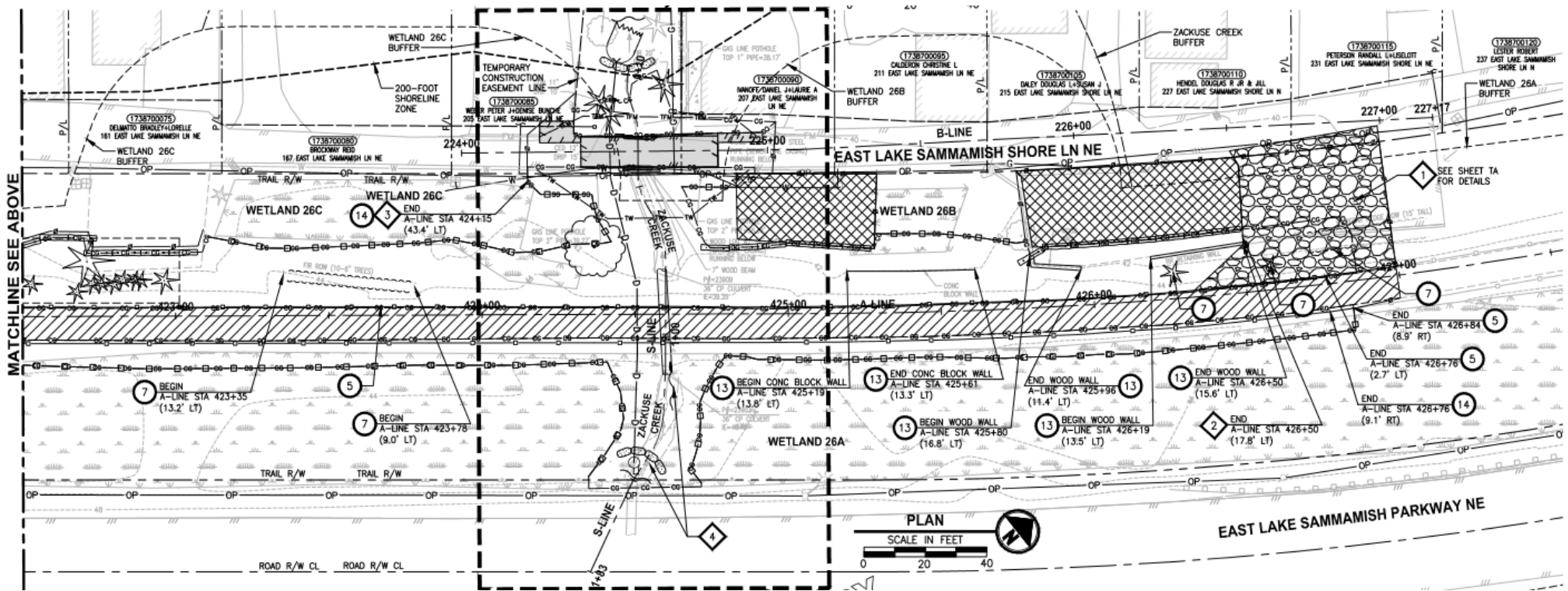
- KC Trail closed during construction
 - Shore Lane driveway at culvert temporarily closed
 - Construction vehicles on KC trail and Shore Lane
 - Stream bypassing/dewatering – pump and generator noise
 - Sewer, water, gas temporary bypass, temp. interruptions
 - Construction staging
 - Typical construction noise
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Construction Staging



MATCHLINE SEE BELOW

Construction Staging



Project Schedule

Feb 22	100% Design Complete, Project Bid Advertisement
March 15	Contractor Bid Opening
April 3	City Council Bid Award, ILA approved
June 4	Construction starts
July 1-Sept 30	Culvert construction (Fish Window)
July 5-July 19	Target for full road closure of ELSP
Sep 30	Project Substantially Completed

Questions

