



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

Bellevue- Enatai Neighborhood Community Meeting

March 2, 2016



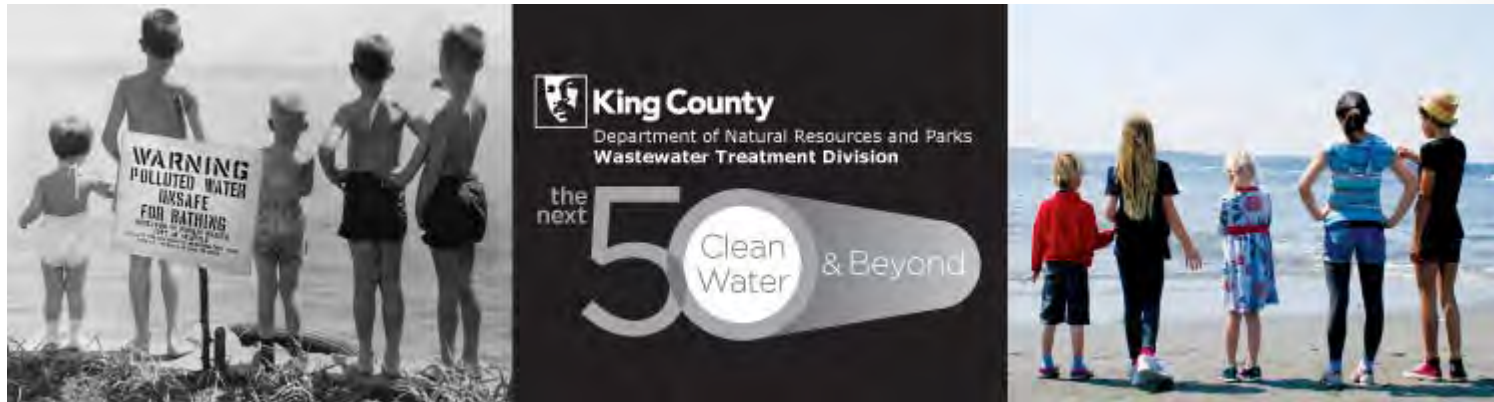
Agenda

- Project Overview
- Where we are today- recommended alternative
- Design and construction
- Community Input
- Next steps
- Questions and discussion



Project Overview





In the last 50 years, treating the area's wastewater has transformed Lake Washington into one of the cleanest urban lakes in the world.

- North Mercer/Enatai Interceptor was built in the 1970's
- King County will build a new sewer to continue providing safe, reliable service to 2060 and beyond.



Where we are today

North Mercer Island/Enatai Sewer Upgrade Project

Recommended Alternative



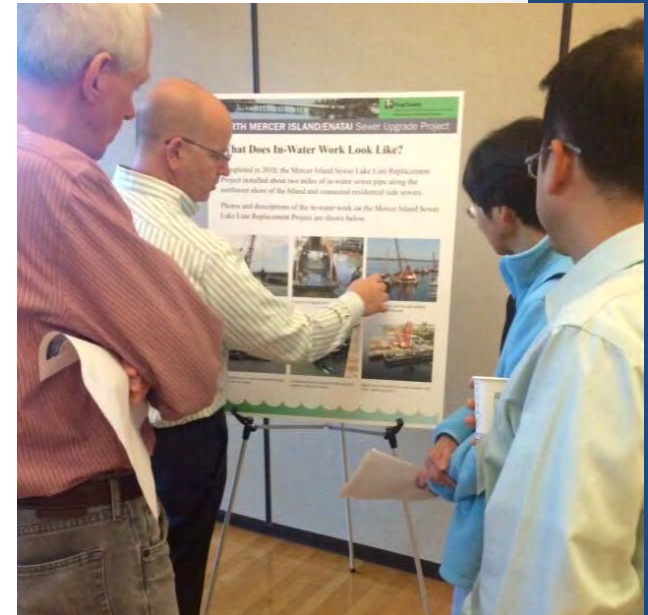
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Community Outreach to date

- Project newsletter, July 2015
- Community open house, September 2015
- Online open house September 15- November 2
- Project Web page
- Response to community questions and concerns
- Briefing for Enatai Neighborhood Association board



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King County, Washington

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North Mercer Island and Enatai Sewer Upgrade Project

System Planning → Project Planning → Project Design → Project Construction → Facility Operations

February 10, 2016 Project Update

Join us! King County Wastewater Treatment Division invites our Mercer Island and Enatai communities to hear an update on the North Mercer/Enatai Sewer Upgrade Project. The County's project team has identified a preferred alignment for a new sewer pipeline that will provide service to North Mercer Island and the Enatai area of Bellevue.

Community meeting dates: March 2 and 10, 6:00-8:30 p.m.
[View meeting calendar for locations](#)

We have information to share with you on what we know now about the project, upcoming field work to inform design, and project elements that are still being defined. Bring your questions and thoughts to share with us!

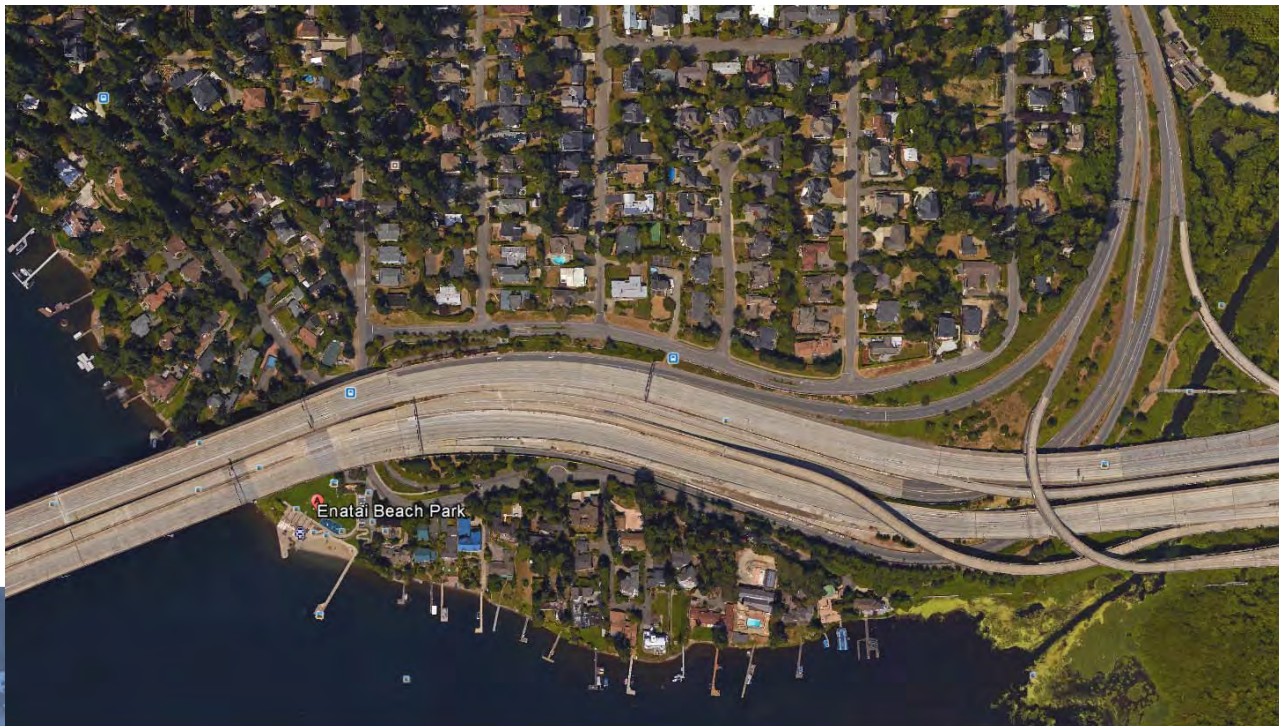
For more information about this project, contact Monica Van der Vieren at 206-477-5502, monica.vandervieren@kingcounty.gov or via [feedback form](#).

Project need

Installed during the 1970's, the County's North Mercer Island and Enatai sewer pipelines are ageing and reaching capacity. Increasing sewer capacity will allow King County to provide reliable wastewater service through the year 2060.

Addressing community concerns

- Minimize construction impacts to Enatai Beach Park and in the waterway
- Monitor drilling below private properties
- Maintain sewer service to waterfront residents and the City of Bellevue



Schedule Overview

- Upcoming project phases:
 - Early design
 - Final design
 - Construction Bid
 - Construction

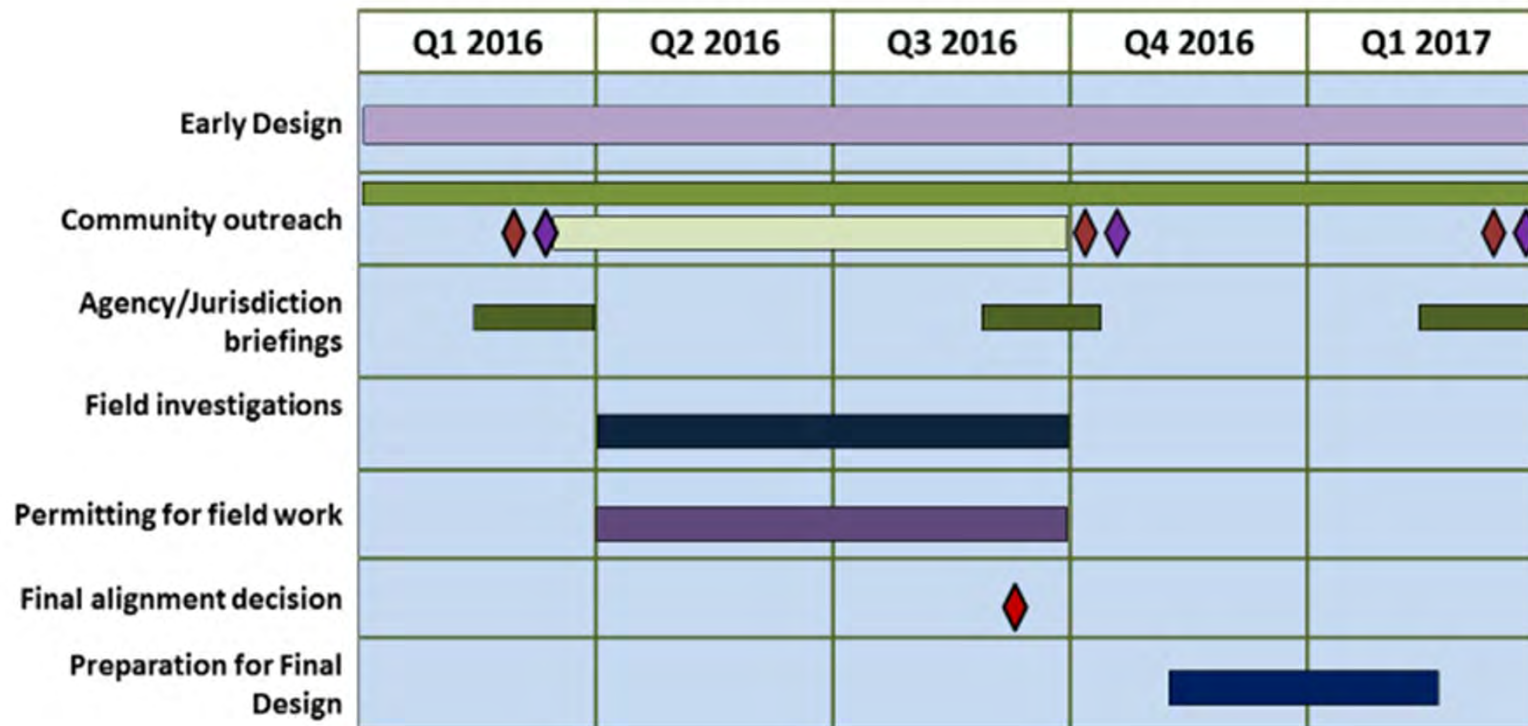


Schedule – Early Design



NORTH MERCER ISLAND/ENATAI SEWER UPGRADE PROJECT TIMELINE

FEBRUARY 2016



-  Newsletter/Web updates
-  Community meetings
-  Trail/park outreach

Project Coordination

- City of Mercer Island
- City of Bellevue
- Individual property owners
- Tribes
- Sound Transit
- WA Department of Transportation
- WA Department of Fish and Wildlife
- WA Department of Natural Resources
- WA Department of Ecology
- U.S. Coast Guard
- U.S. Army Corps of Engineers



Existing System



Important Considerations

- Technical
- Constructability
- Operations and maintenance
- Environmental
- Permitting
- Property
- Community
- Cost



NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

Recommended Option

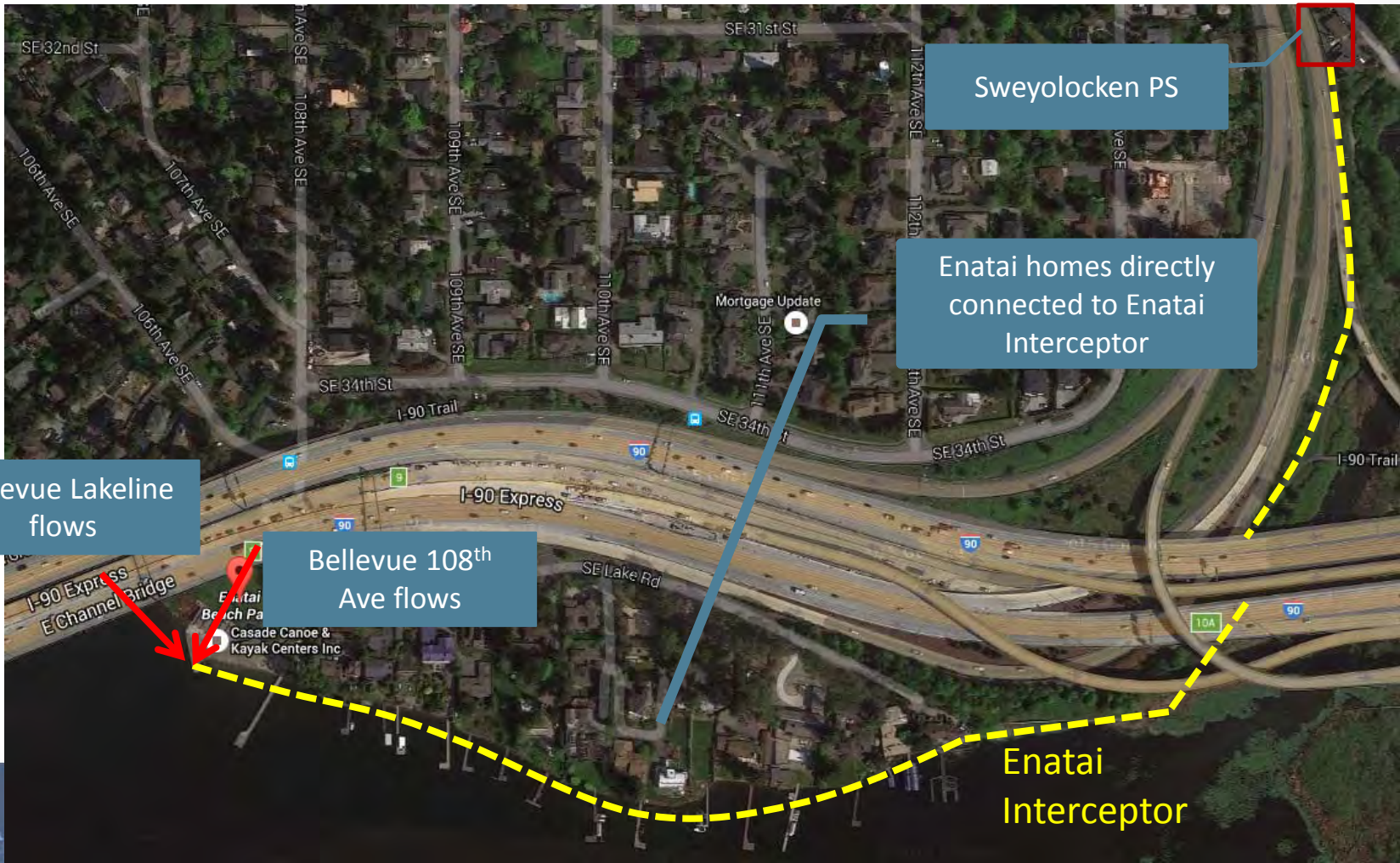


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Enatai Interceptor will stay in service

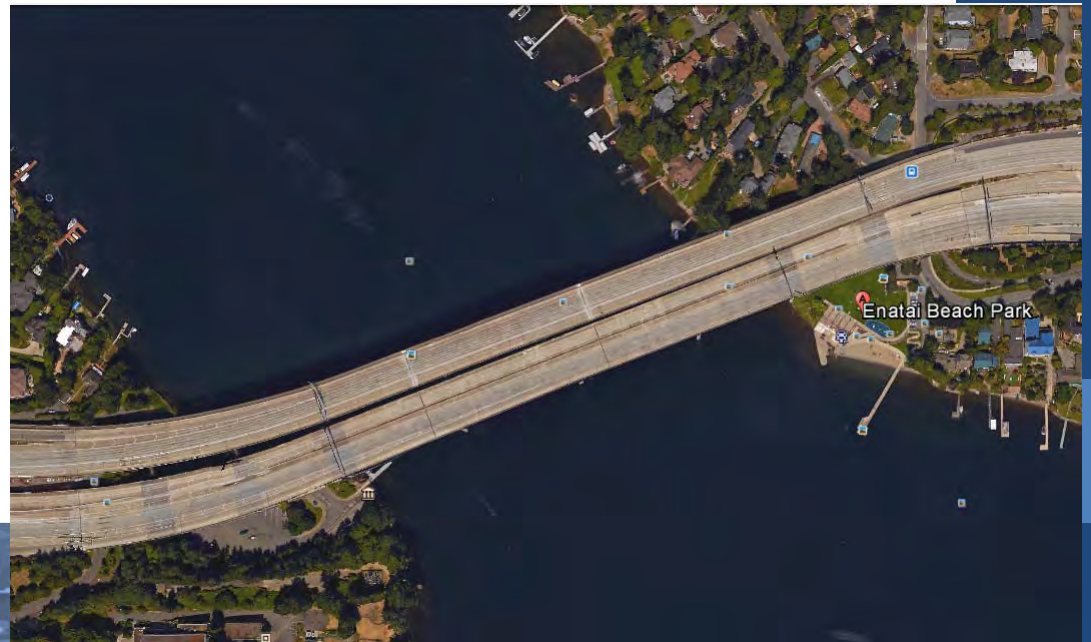


FIELD INVESTIGATIONS, DESIGN, AND CONSTRUCTION

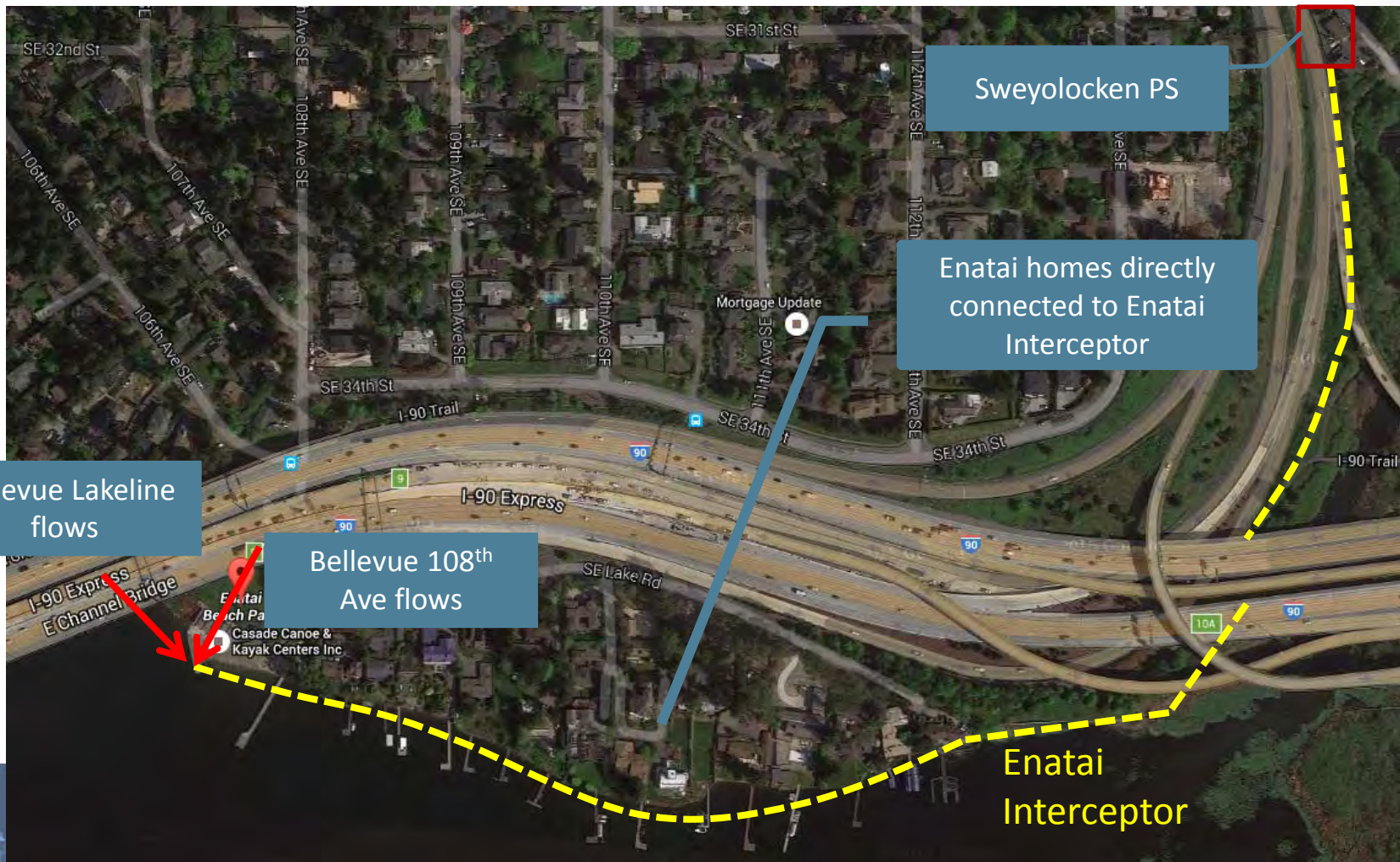


Field investigations to inform design

- Types of work you may see:
 - Surveys – on land and in water
 - Geotechnical borings- on land and in water
 - Pile support evaluation along Mercer Slough



Enatai Interceptor- extending service life



In-water Construction

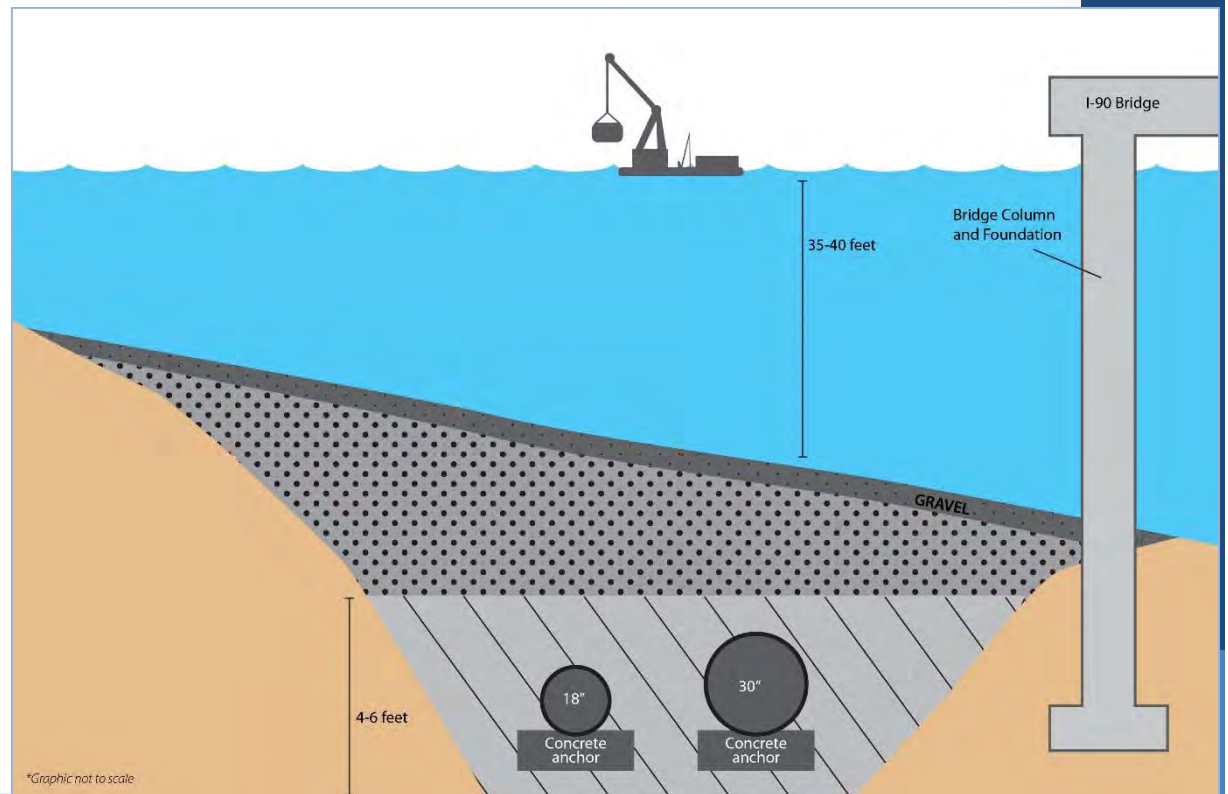


- East Channel crossing will begin at Mercer Island Boat Launch
- Work in the channel occurs mostly from barges

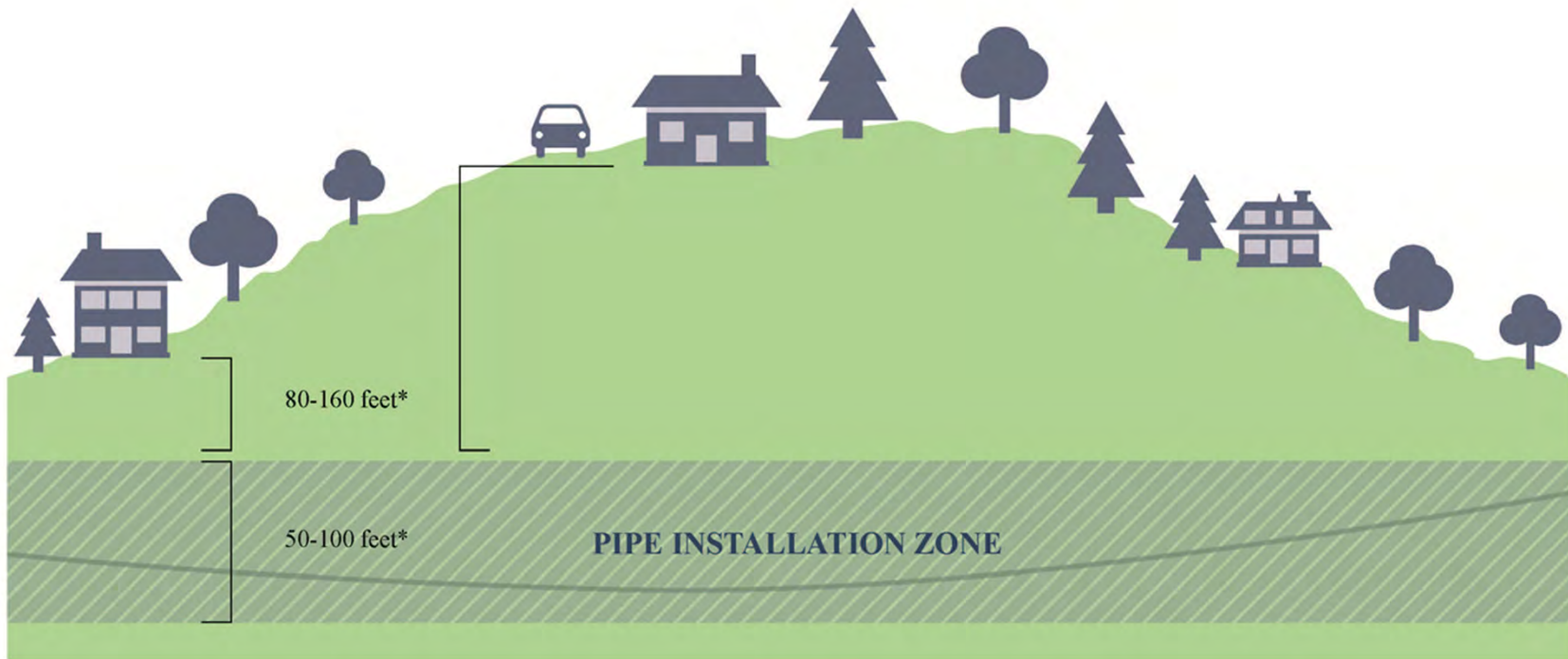


East Channel: In-water construction

- Steps:
 - Dredging
 - Disposal
 - Pipe Installation
 - Pipe Backfill



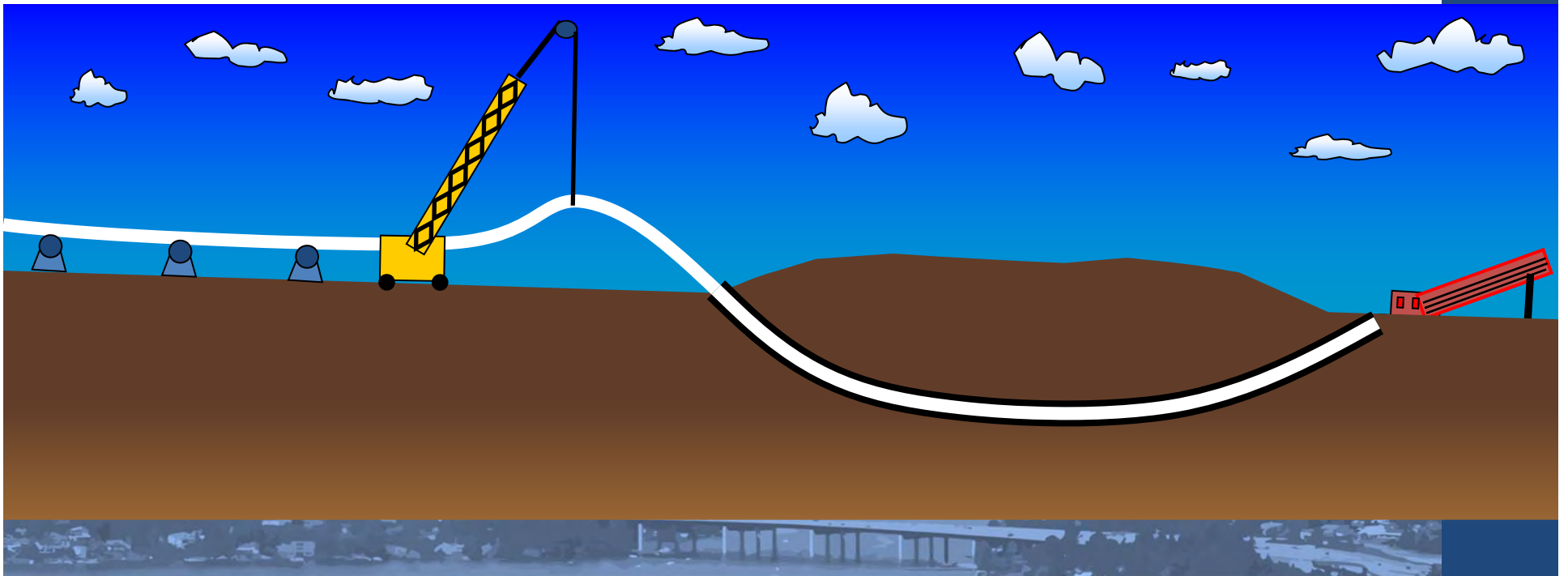
Underground pipeline from Enatai to Swayolocken



*Note: Depth of pipe and pipe alignment depend on technology used and further design work. These will be refined as the project progresses.



Example of trenchless technology: Horizontal Directional Drilling



We're experienced: Bellevue Force Main

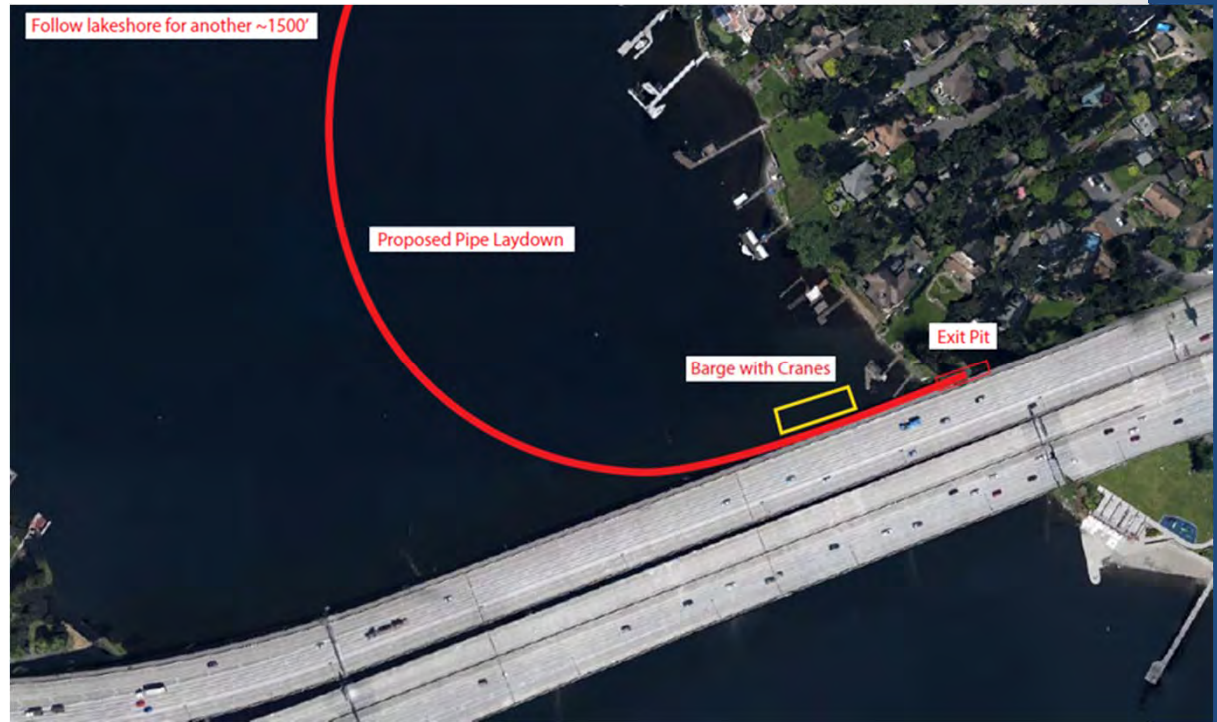


Temporary Construction Impacts

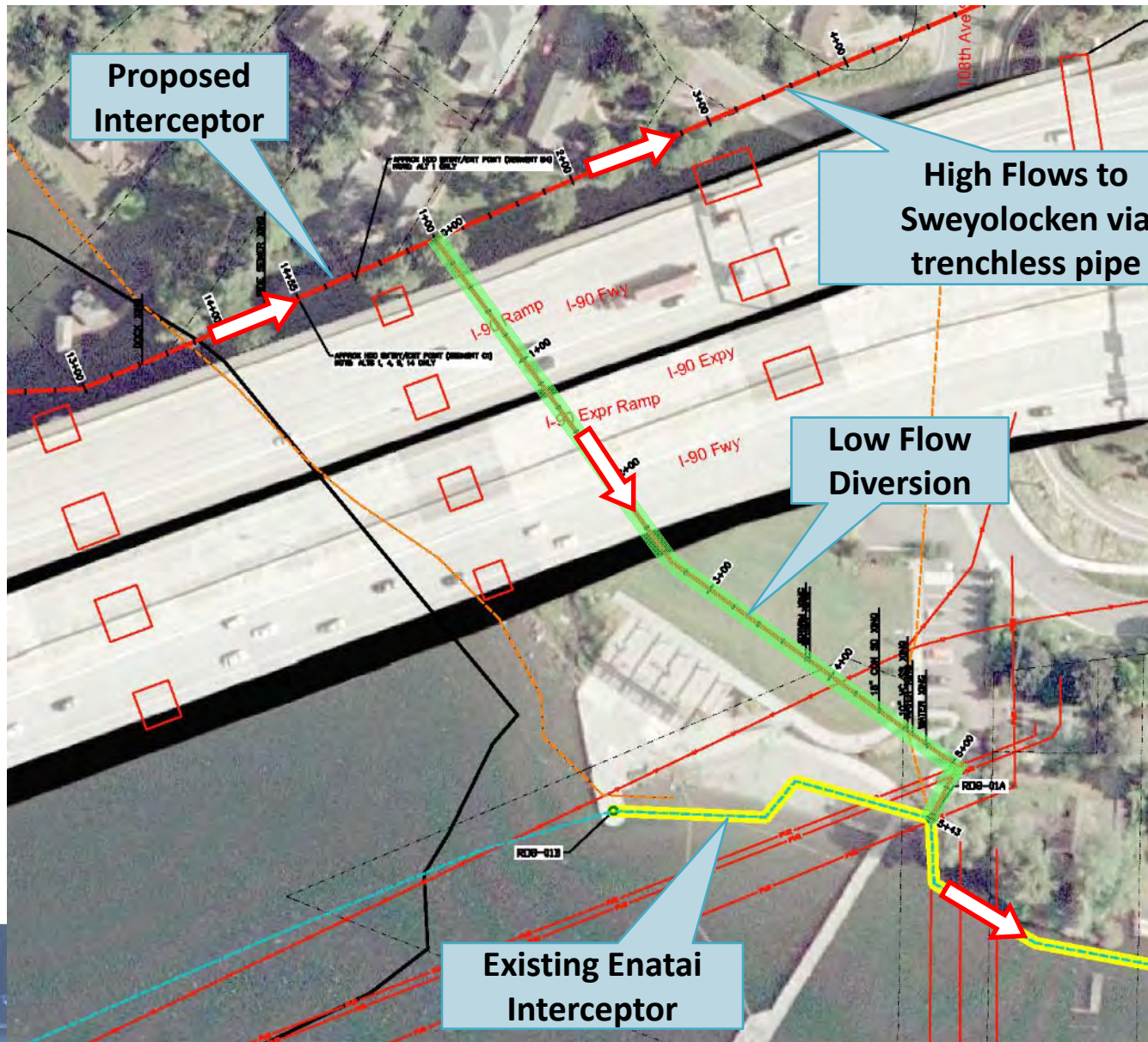
- Construction staging under I-90 bridge at Enatai Beach Park
- Construction by bridge supports
- Hauling materials in and out



Pipeline pullback



Enatai Diversion



Work at Sveyolocken

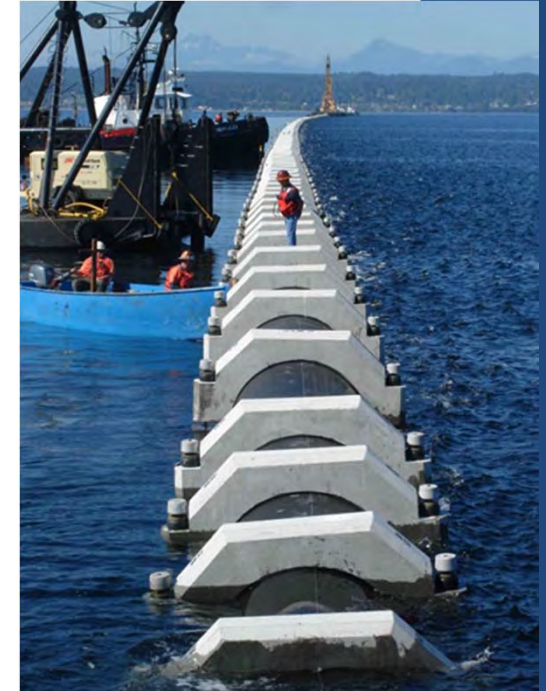


Staging at Sveyolocken Boat Launch parking



Protecting and restoring the environment

- Proactive work with permitting agencies and tribes during design
- Best Management Practices for protecting waterways during construction
- Shoreline areas restored according to permit conditions



More detail to come

- Final Alignment
- Odor Control during operations
- Construction considerations
 - Access to Park, boat launches
 - Meeting noise requirements
 - Ensuring Best Management Practices for working in the shoreline
 - Construction staging and hauling
 - Work hours, seasons



NEXT STEPS



Early Design

- Continue responding to questions and concerns
- Meet with affected property owners
- Provide notice of field work
- Web and newsletter updates
- Host a summer event at Enatai Beach Park
- In-person and online meetings in late fall to provide update



Responding to community input

- Events/recreational boating:
 - Can construction be scheduled to reduce impacts to Enatai Beach Park?
 - Can you maintain boating access and avoid impacts to Seafair events during pipeline pullback?
 - How will drilling under my property affect me?
- Coordination with Sound Transit
 - Are you coordinating with Sound Transit?
 - Will your projects overlap?
 - Can you reduce impacts from these projects coinciding?



We'll be with you every step of the way



- Pre-construction meeting with the contractor
- 24-7 hotline throughout construction
- Progress updates
- Problem solving



Keep up to date!

- Provide best contact information
- Subscribe to email list and text messaging
- Visit us this summer at the Mercer Island Summer Celebration and/or Enatai Beach Park event
- Email or call with your questions, suggestions, and concerns
- Request a meeting or briefing





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