



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

North Mercer Pump Station Upgrades
Neighbors meeting
10/17/2018





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NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

Agenda

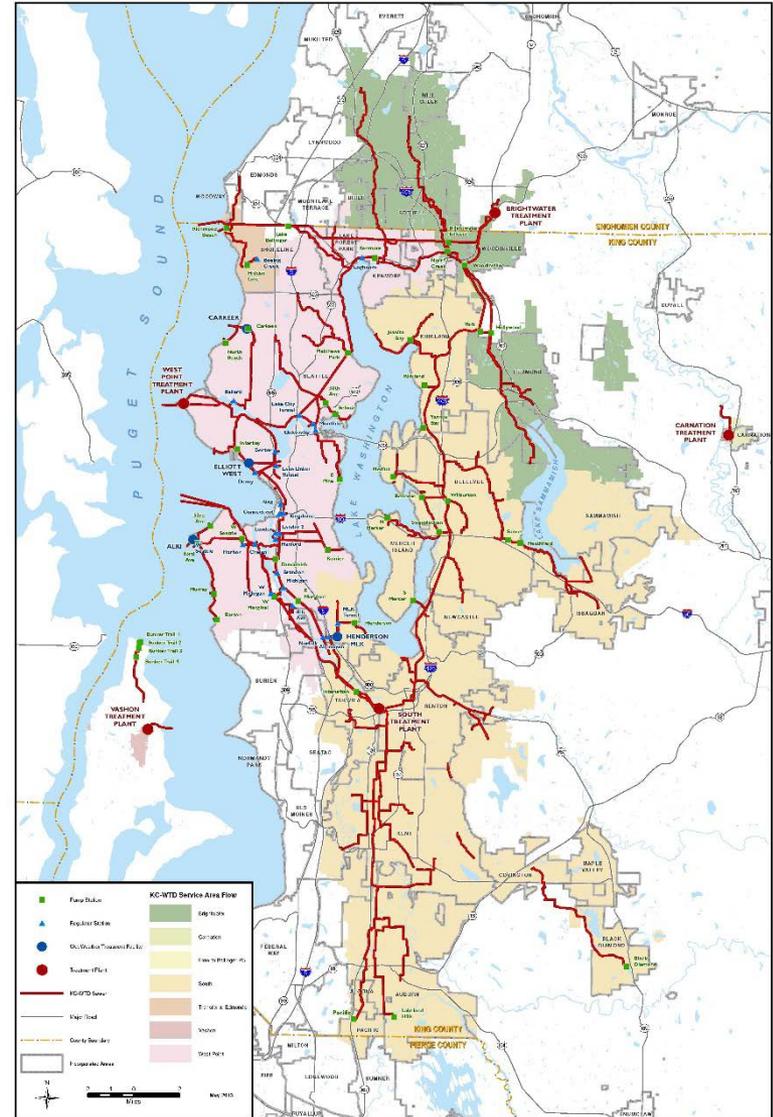
- 6 – 6:15 p.m. Arrive and introductions
- 6:15 – 6:45 p.m. Presentation- Pump Station Upgrade
- 6:45 – 7:15p.m. Gather feedback
- 7:15 – 7:30 p.m. Questions and Next Steps



NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

What does the Wastewater Treatment Division do?

- Serves 17 cities and 17 sewer districts
- Operates 5 treatment plants and 42 pump stations
- Manages 350+ miles of pipe



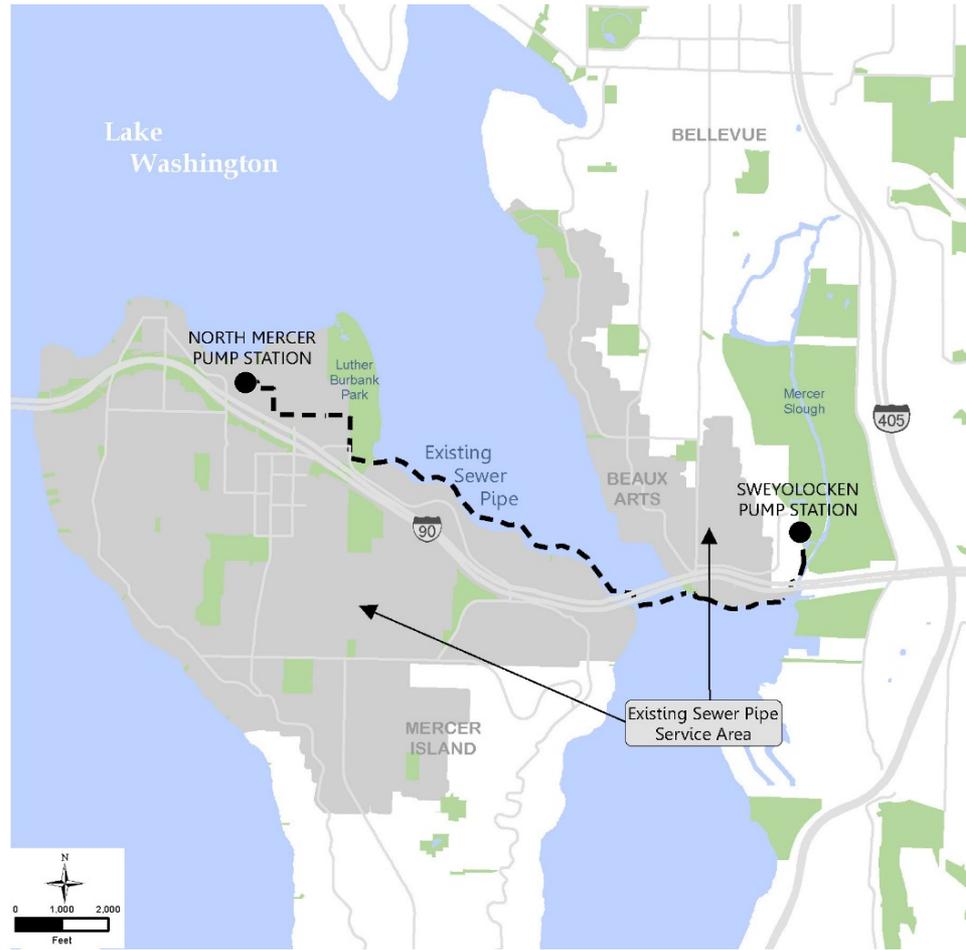


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Service area and existing system





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

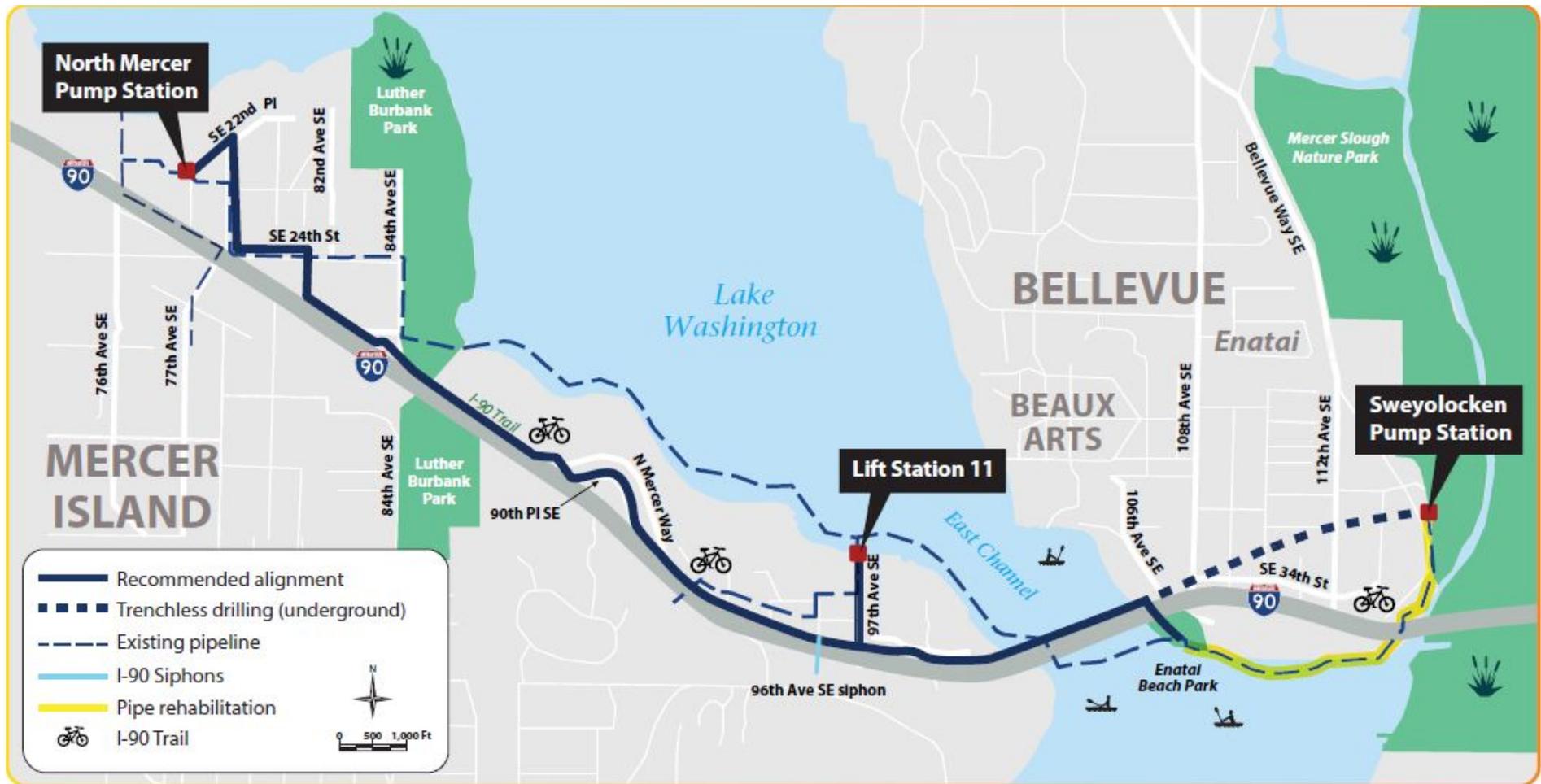
- The North Mercer / Enatai Interceptor was built in the 1970s.
- Pipeline upgrades will provide safe, reliable service to north Mercer Island and southwest Bellevue for the next 50+ years.





NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

What are we building?





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Schedule



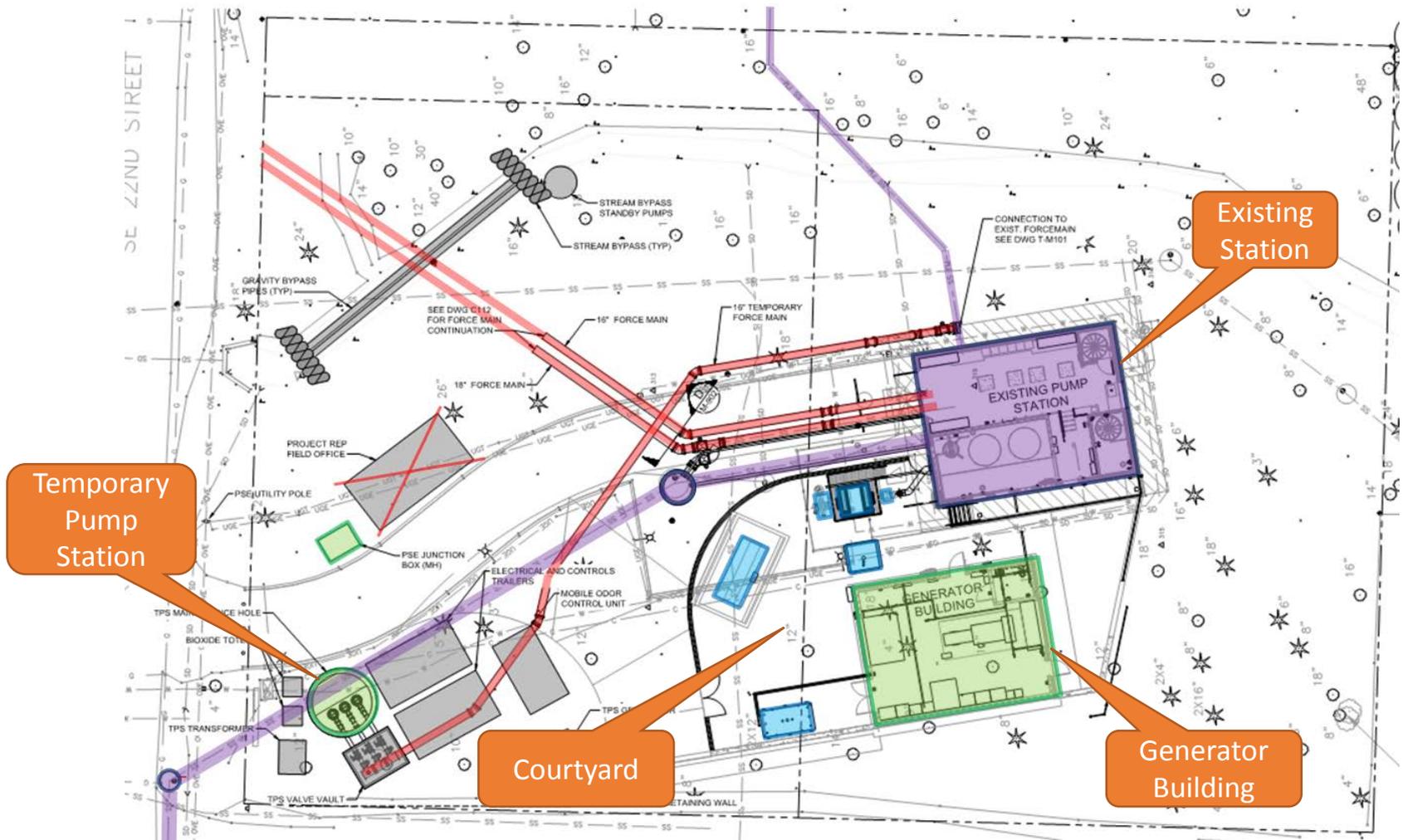


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NMPS: Site Plan



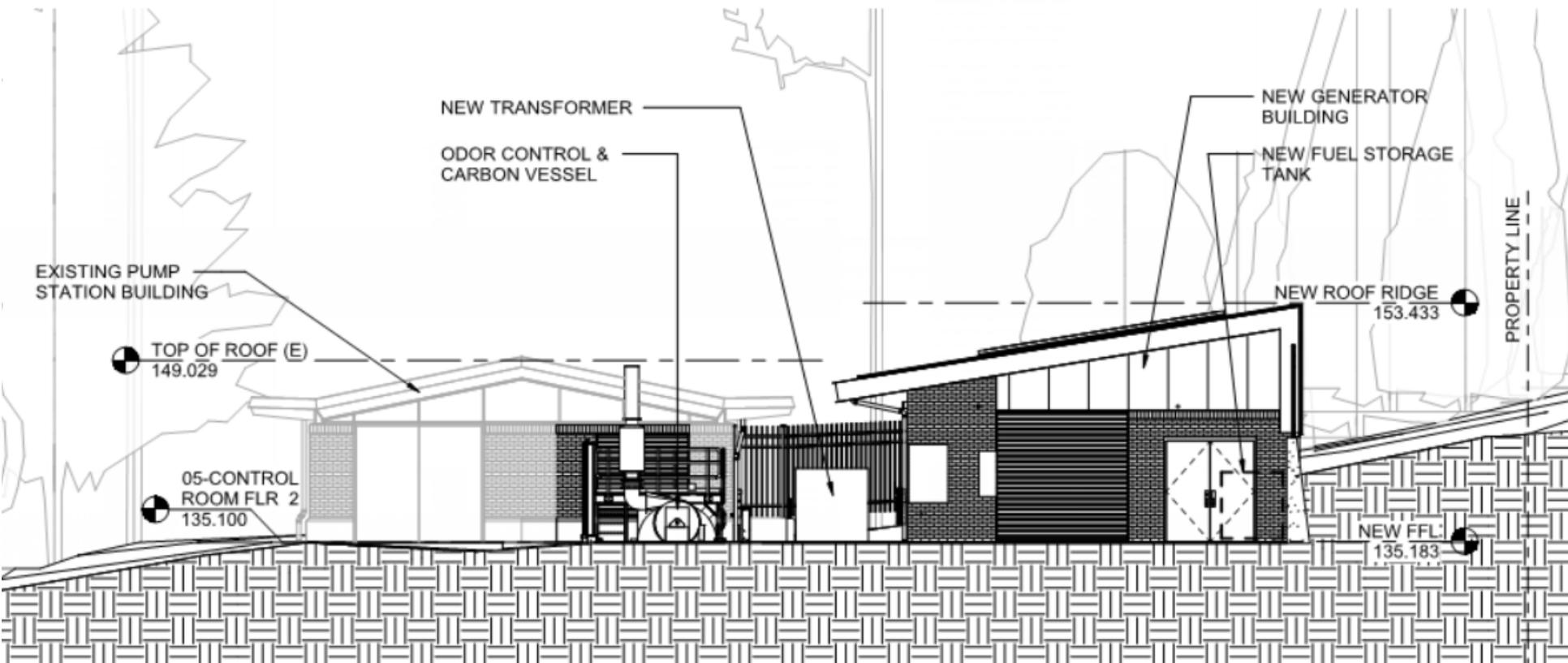


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NMPS: Building Elevation





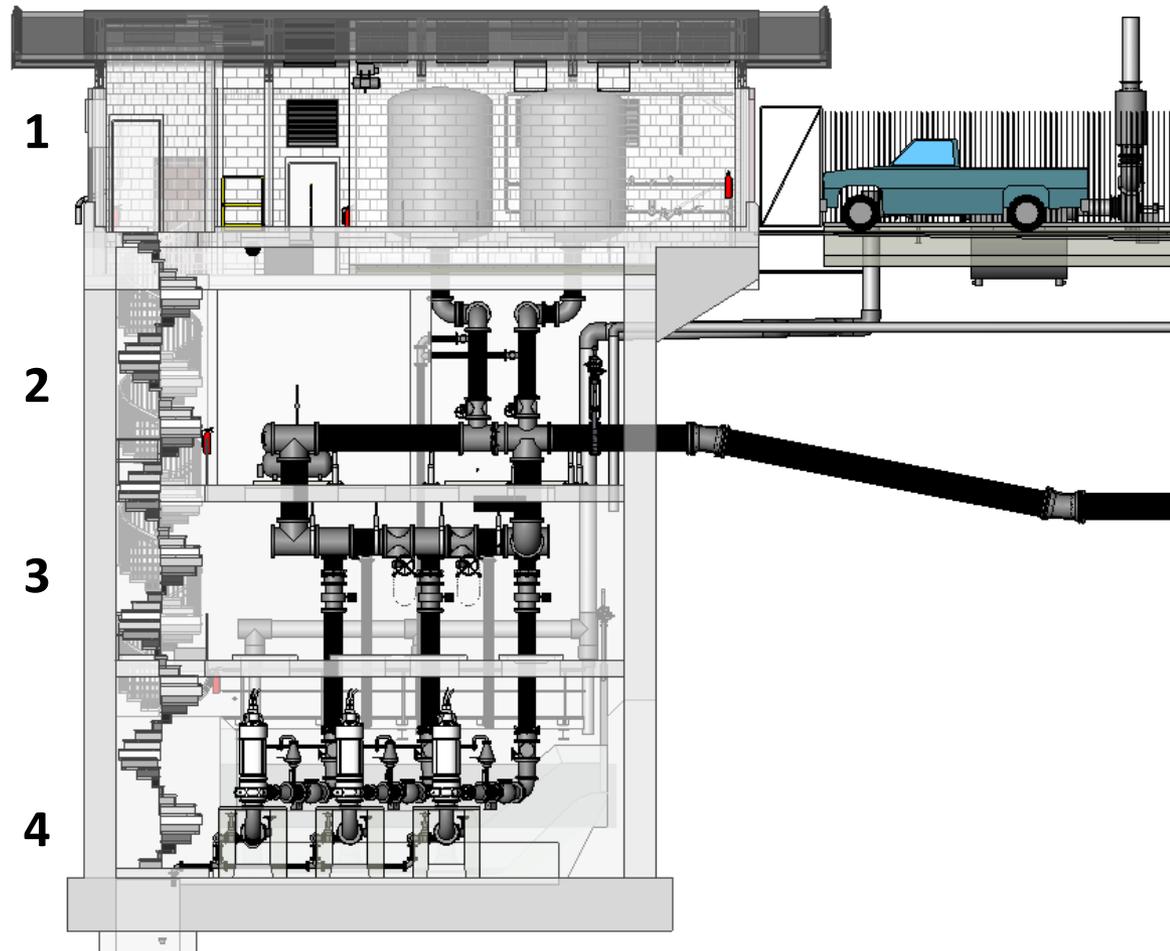
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NMPS: Inside the pump station

1. Control Room
2. Equipment Room
3. Header Room
4. Pump Room





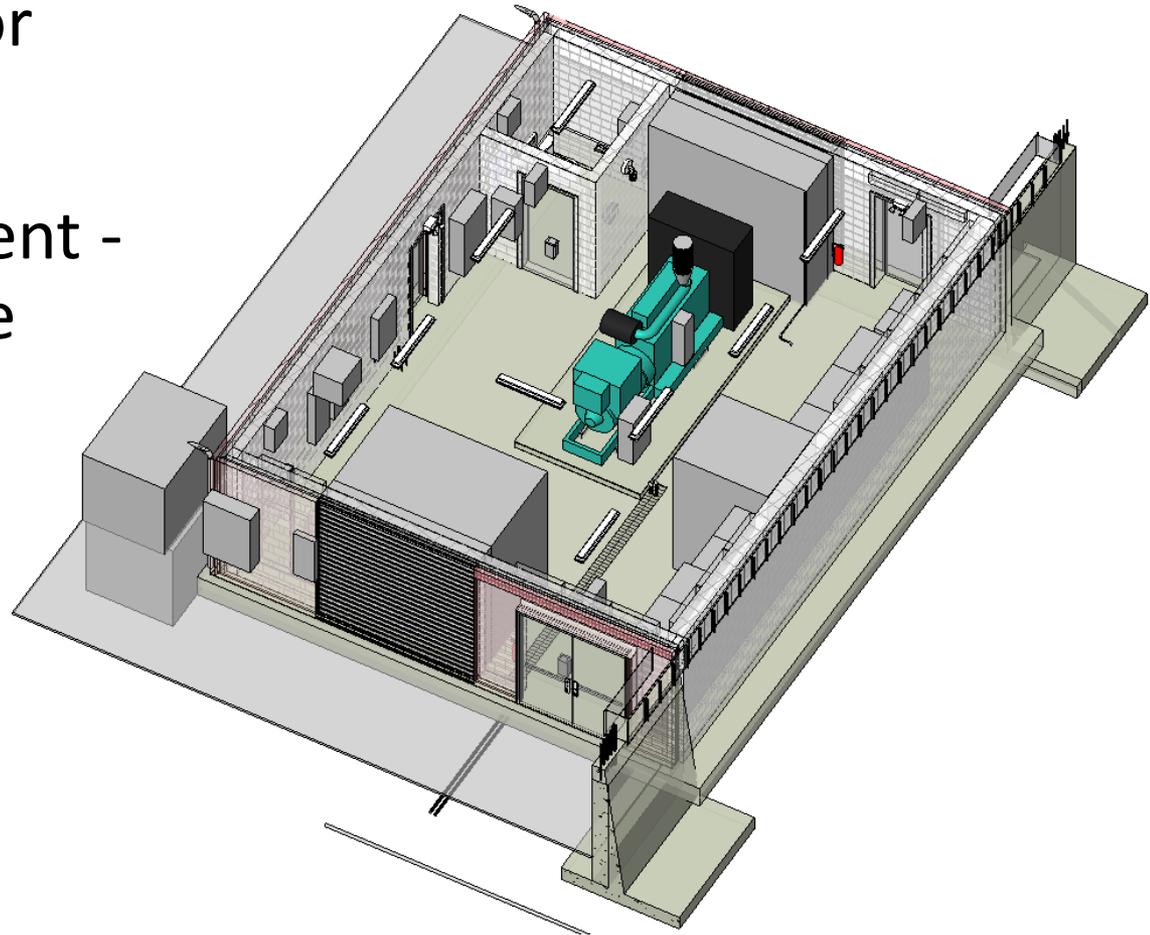
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NMPS: New generator building

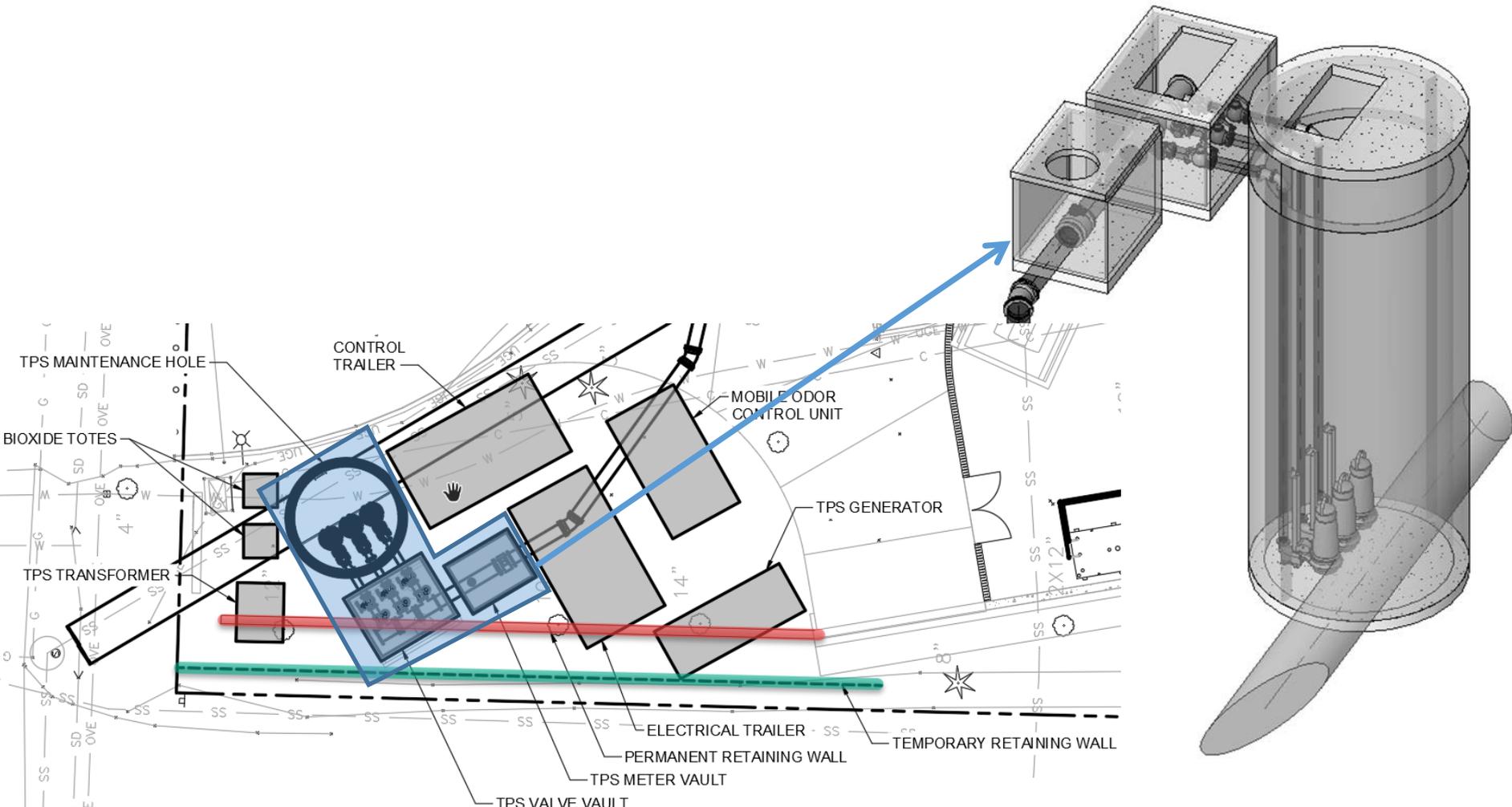
- Standby Generator
- Bathroom
- Electrical Equipment - requires clearance space





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Temporary pump station





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NMPS: Temporary pump station

Odor Control



Bioxide Tote

Temporary Wall



Standby Generator



Power & Controls Trailers

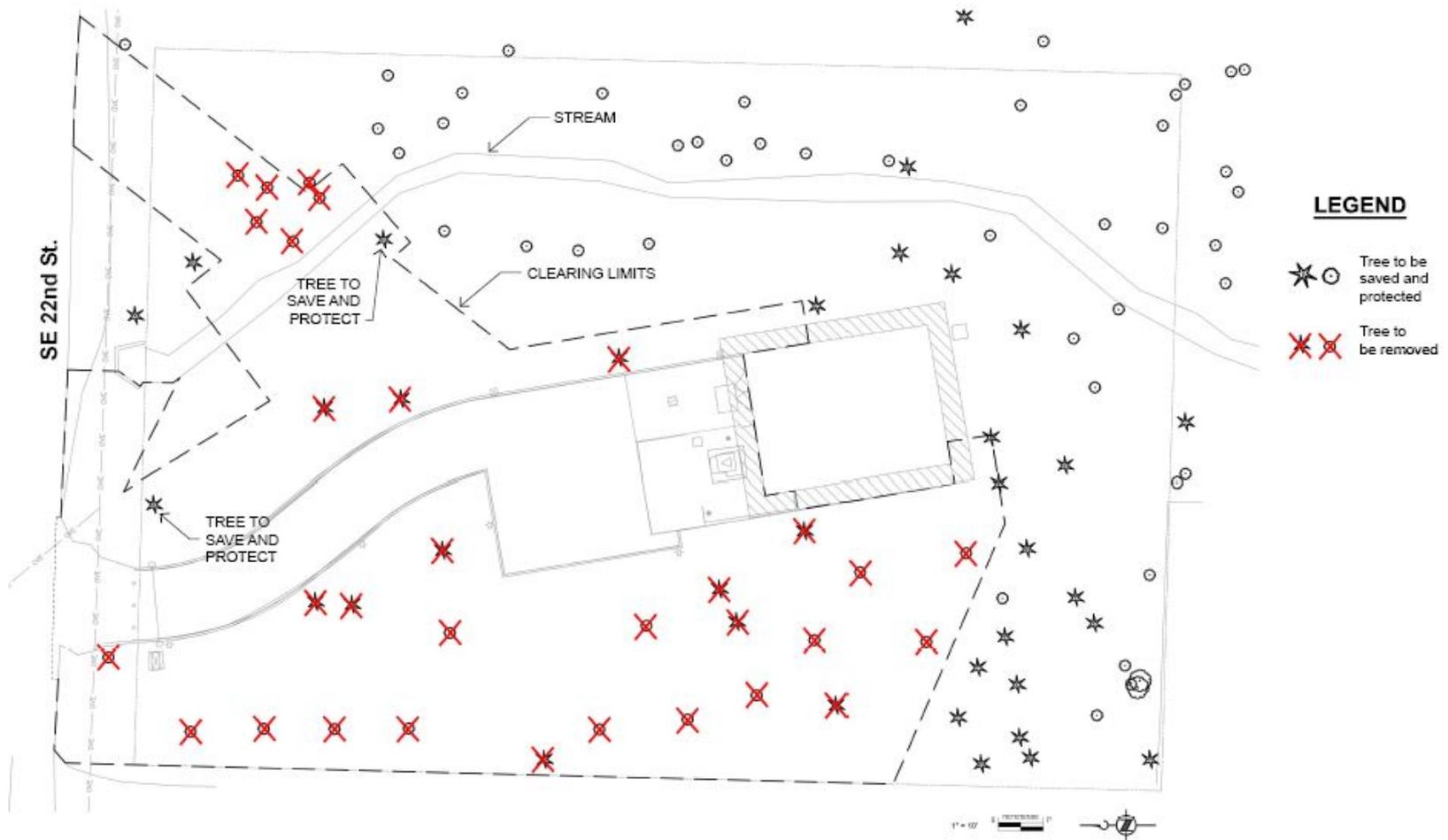


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NMPS: Construction site





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Share your thoughts: Roof color

- Replacing pump station roof (timing TBD)
- Generator building roof color should complement pump station roof and brick façade

Pump Station Roof Replacement



DARK BROWN



Generator Building Options

9918 Dove Gray	9919 Fashion Gray	181 Slate Gray
9921 Charcoal Gray	9914 Midnight Bronze	154 Dark Bronze
9912 Sage Brown	1243 Mocha	9937 Mauve
999 Aspen Gold		

Architect's
Preference



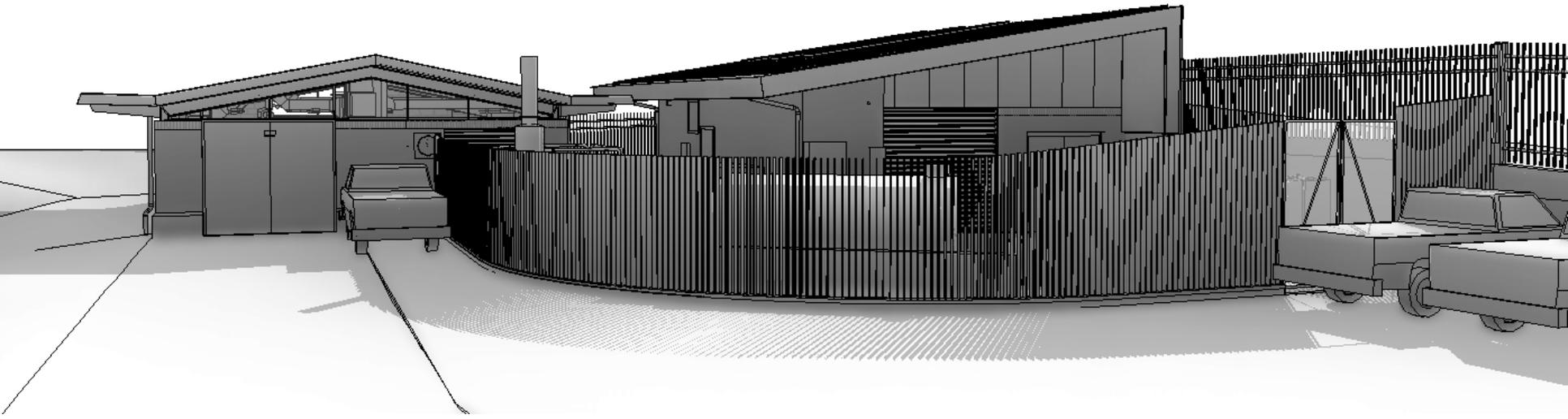
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Proposed Fencing

- Service yard fence will have vertical bar fence for screening





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Share your thoughts: Fencing

- Which fence should we use behind the generator building?

ULTRA Fencing
UAF-201 Flat Top



Architect's
Preference



Ameristar Fence
Aegis 2



Ameristar Fence
Echeion II
"Genesis"





NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

Native Riparian Restoration



Western Redcedar Douglas Fir Western Hemlock
 Cascara Vine Maple Pacific Wax Myrtle Indian Plum
 Creeping Mahonia Salal Western Sword Fern Baldhip Rose

Street Frontage



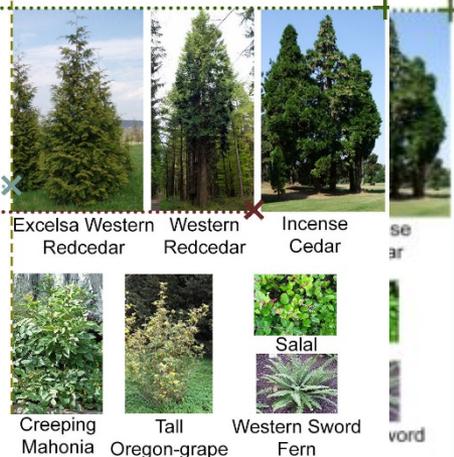
Chinese Fringe Tree Legacy Sugar Maple Vanessa Persian Ironwood
 Big Blue Lilyturf Low Oregon Grape Western Sword Fern Creeping Mahonia
 Barrenwort 'forhnleiten' Salal

Native Interplanting

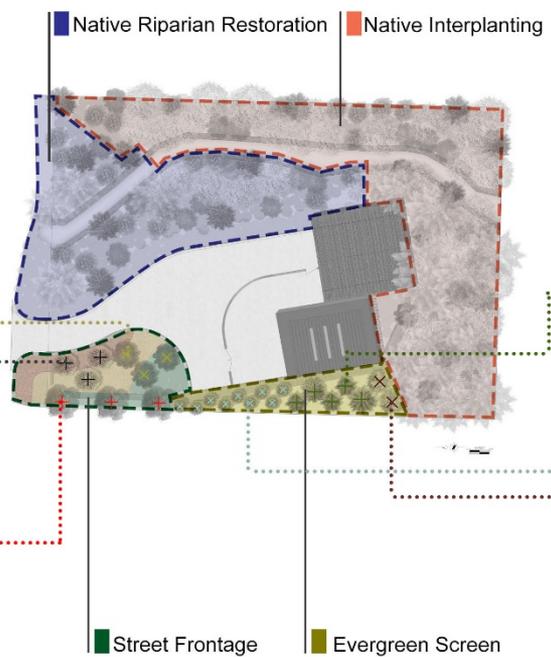


Western Redcedar Western Hemlock Cascara Indian Plum Indian Plum
 Vine Maple Tall Oregon-grape

Evergreen Screen



Excelsa Western Redcedar Western Redcedar Incense Cedar
 Creeping Mahonia Tall Oregon-grape Salal Western Sword Fern





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Share your thoughts: Landscaping





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Questions and comments

For more information:

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