



**Seattle
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King County

Ship Canal Water Quality Project

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Agenda

Ship Canal Water Quality Projects (SCWQP) Review
Questions



Ship Canal Water Quality Project





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Construction Timeline

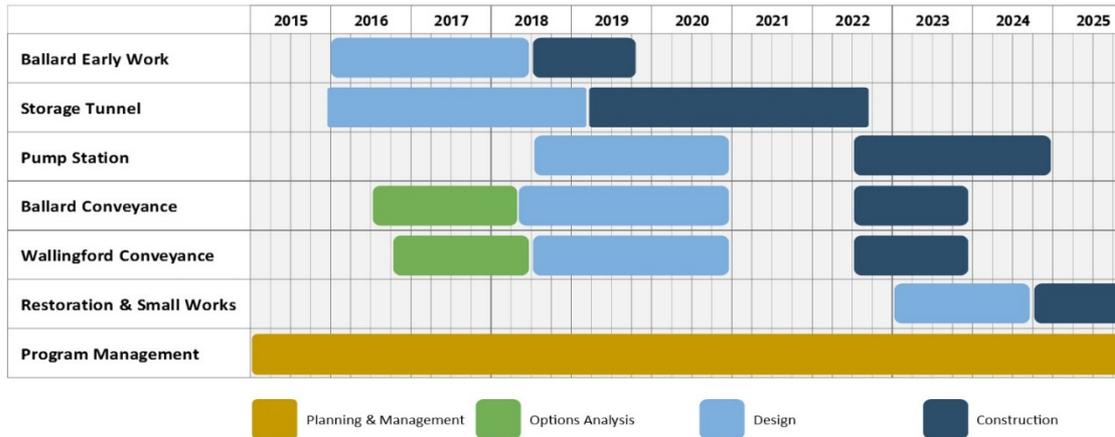


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Tree Inventory & Assessment

- 78 trees require removal
 - 26 classified as exceptional
 - 13,183 ft² canopy cover in Ballard and Fremont
 - 6 dead or dying trees removed after assessment was made
- Reasons for removal:
 - Excavation for site remediation
 - Mechanical and odor control vault installation
 - Drop shaft construction
 - Diversion structure construction
 - Above ground structures

Tree Mitigation

Project Site	Replacement and Mitigation Area	# of Trees needed to meet 2:1 requirement	# of Trees to be replaced on site	Mitigation Trees Needed
Ballard	Ballard	46	Pending TEPS	??
East Ballard	East Ballard, Fremont	8	20	surplus
Fremont	Fremont	32	21	11
Queen Anne	Queen Anne	52	14	38
Wallingford	Wallingford, Fremont	6	29	surplus
Total		144	84	60

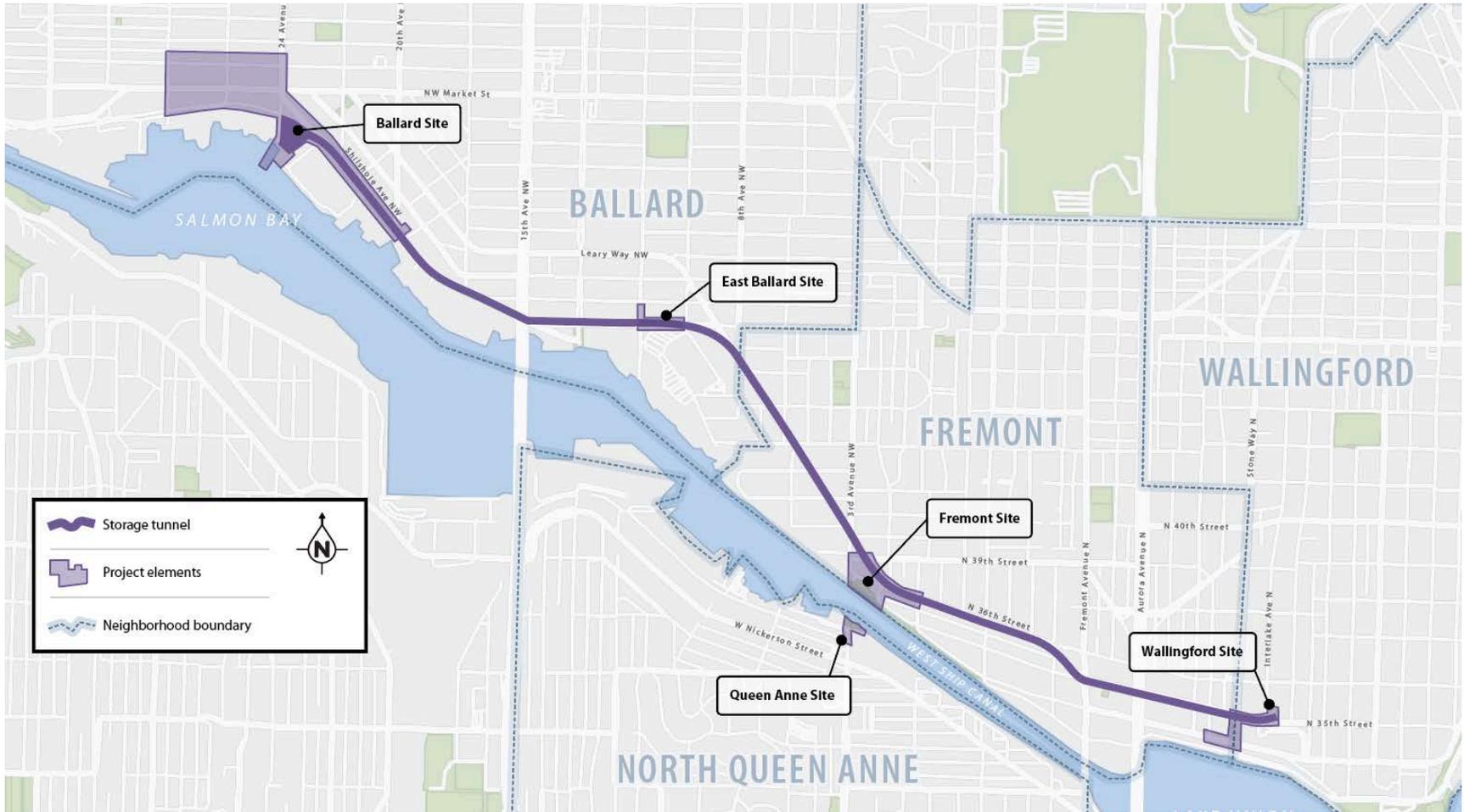


Sites with more trees removed than replaced

Sites with more trees replanted than removed (net tree surplus)



Neighborhood Impacts





Exceptional Tree Canopy Mitigation

- Exceptional Tree Canopy area estimated at 13,183 ft²
- Assume conservative 25ft dripline per average deciduous street tree, results in the need for only 27 trees.
- 8 or more continuous trees (grove potential at maturity) can be achieved at Wallingford and north Queen Anne sites
- Design meets exceptional tree mitigation intent.



Updates Since Last Briefing

- Trees have been removed from Ballard site
- 21 fewer trees need to be removed overall, due to site design refinement
- Street trees changed from Maples to Hornbeams, Littleleaf Lindens, and Elms
- South Operations Center no longer an option for mitigation
- TEPS design has begun, part of SCWQP tree mitigation plan
- Tree planting continues until TEPS construction ends 2024
- Present to UFC again after additional updates



Questions?

- **Mike Wynne**, Project Manager, Ship Canal Water Quality Project Storage Tunnel

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- **Websites:** www.seattle.gov/util/ShipCanalProject
- **Sign up for the project listserv to receive updates:**
<http://www.seattle.gov/lists/shipcanalproject.htm>