

Prairie Ridge Consolidation

- Tolmie Park 239, 65 Connections
- Hawk Acres 607, 136 Connections
- Prairie Ridge 605, 102 Connections

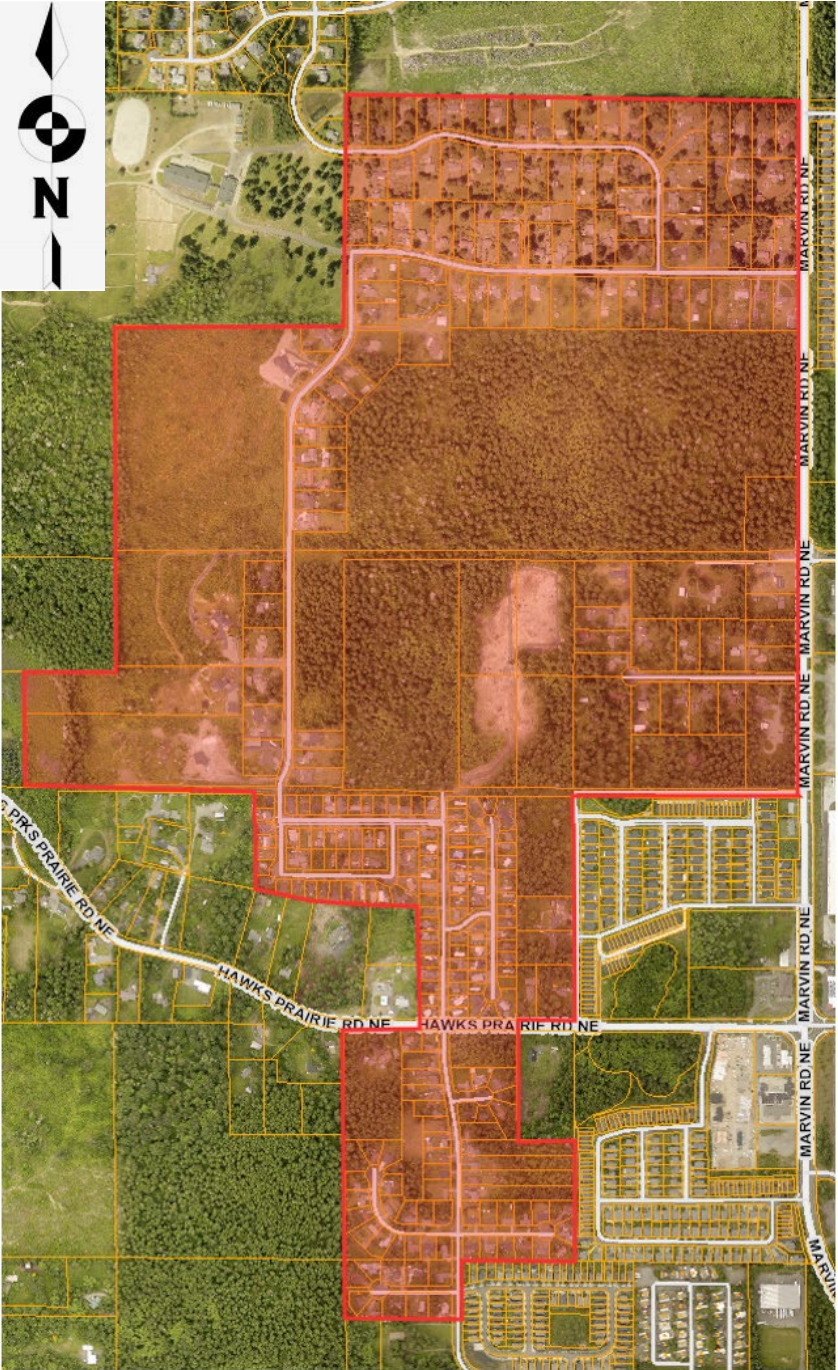
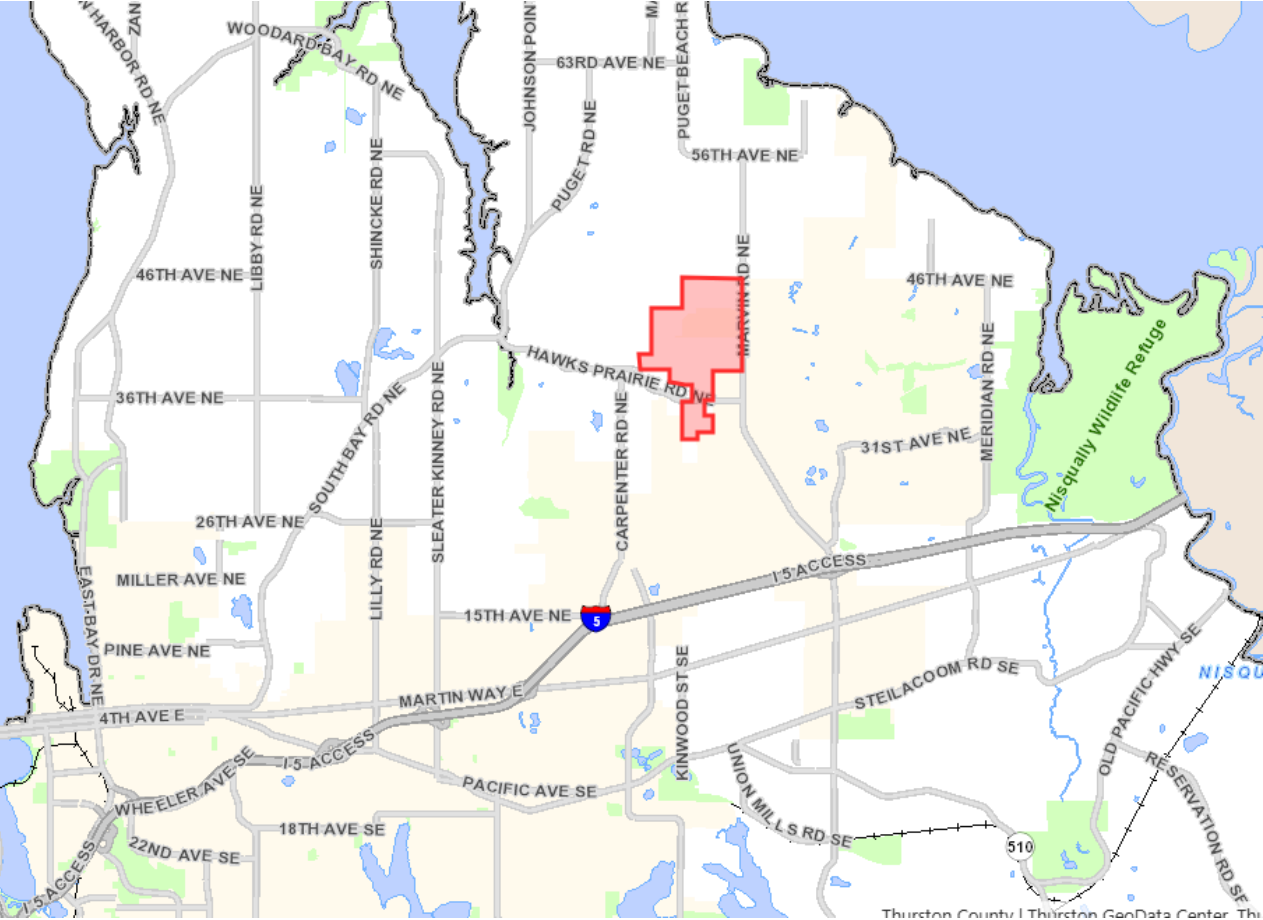
Presented by: Doug Piehl, P.E., District Engineer
3/17/2025



Overview

- Tolmie Park, Hawk Acres, and Prairie Ridge water systems are consecutive adjoining systems.
- Washington State Department of Health Office of Drinking Water (DOH) recommends consolidation of water systems as a means to increase redundancy and reliability, improve management, and reduce costs.
- DOH provided a 20-year Drinking Water State Revolving Fund loan of \$1,449,320 for consolidation at an interest rate of 2.25%.
- Construction anticipated to begin during the second half of 2026, estimated duration 6 months.

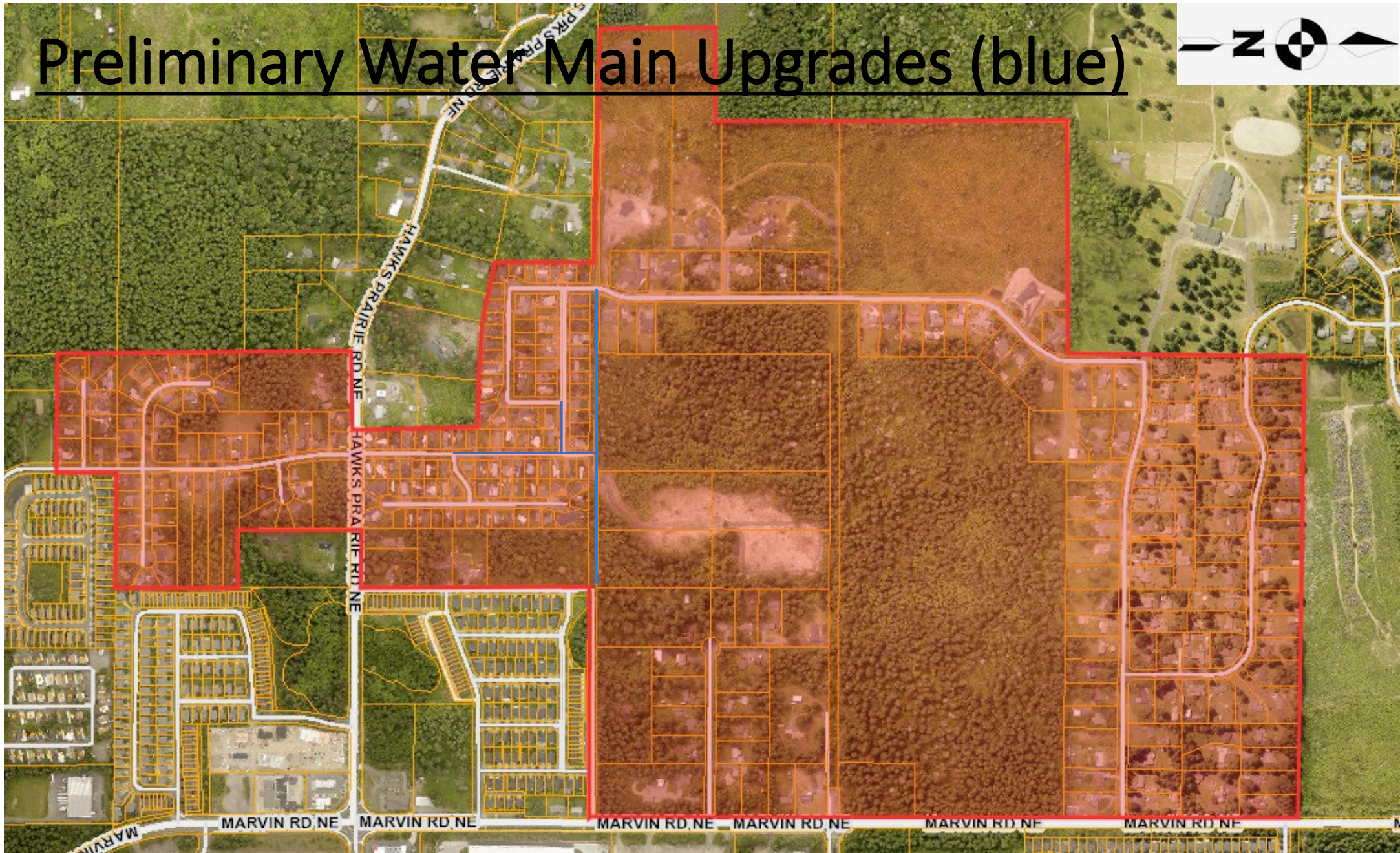
Consolidated Water System Service Area



Scope of Consolidation Improvements

- Increase capacity of existing Prairie Ridge booster station
- Backup power generator for Prairie Ridge booster station and wells
- Control system update:
 - Variable frequency drives (VFD) for enhanced pressure control
 - Telemetry coordinating system pumps
 - Remote monitoring and alerts to PUD staff
- Disinfection for all wells
- New and replaced water mains (next slide)
- Pressure stations for improved pressure and control
- Water System Plan (satisfying State planning requirement for the years 2025 – 2035)

Preliminary Water Main Upgrades (blue)



Targeted Water Main Replacement Areas

- Creating an intertie between Legacy Dr. NE TO 38th Way NE and Hepburn St. NE. for improved flow/pressure throughout the existing Hawk Acres area, and especially homes above 250 feet elevation.
- Interconnecting Tolmie Park to Hawk Acres at Hawks Prairie Rd NE
- Replacing and upsizing Eagle Dr NE from Osprey DR NE to Falcon Way NE.
- Replacing Falcon Way NE from east end of Condor Loop NE to Eagle Dr. NE.

Primary Benefits – Pro's

- Increased redundancy and reliability of service, cost savings.
- Integration provides 5 total wells, ensuring ongoing service even with one or more wells offline for maintenance.
- Adequate storage for reliable service to all customers, leveraging the existing Prairie Ridge reservoirs with 73,000 gallons water storage.
- Improved service during power outages with installation of backup power generation at Prairie Ridge well and booster station location.

Primary Benefits – Pro's

- Replacement of 3,000 feet aging water main, including upsizing to improve pressure, particularly for homes on 40th CT NE and 38th Way NE.
- Capacity to provide water service within designated water service area.
- Water disinfection by sodium hypochlorite (chlorine) to ensure safety of water supply to all customers.

Consolidation Impacts – Con's

- Short Term:
 - Construction: During construction there may be short duration water outages, primarily for replacement of water mains. All planned water outages require 72 hours advance notice, and 8-hour outage limit.
 - Partial or full street closures of up to 1 block for water main replacement, however local access to be maintained except for up to 8 hours when excavation is directly in front of private accesses, to be minimized as much as practical.
 - Private improvements are prohibited in the right-of-way, however Thurston PUD's contractor will make a reasonable effort to restore to existing condition.

Consolidation Impacts – Con's

- Long Term:
 - 90% of water in USA is disinfected with chlorine for safety. However, Hawk Acres and Tolmie Park customers have historically not had chlorinated water; some people are sensitive to taste or smell of chlorinated water.

Next Steps

- Complete the updated Water System Plan for DOH approval.
- Complete Project Report for Improvements needed to consolidate the water systems.
- Hold a public meeting for comments on the Water System Plan.
- Complete a SEPA review.
- Complete a Cultural Environmental Review.
- All work above is estimated to be submitted to DOH by September 2025.

Planned Communications During Project

- Thurston PUD will update timeline as the project proceeds.
- Our website at www.ThurstonPUD.org will have a project update page you will be able to access for up-to-date information.
- Call-Em-All voice messaging services will be used for outages. Please contact Customer Service by phone or email if you need to update your contact information.
 - Phone: 360-357-8783
 - Email: PUDCustomerService@ThurstonPUD.org

Questions

For those attending on a personal device (like a computer, cell phone, or tablet), select the “Raise Hand” feature to indicate you’d like to speak- you will need to unmute yourself once you’re called on

For those attending by phone audio only, press *9 to raise your hand to speak - you will need to unmute yourself by pressing *6 once you’re called on

Please mute all other audio before speaking - using multiple devices can cause audio feedback



Questions?

Questions or comments after the meeting? Contact Thurston PUD staff using one of the methods below:

Main: (360) 357-8783

Toll-Free: (866) 357-8783

Email: PUDCustomerService@thurstonpud.org