Water Treatment Plant

Tualatin Valley Water District (TVWD) and the City of Hillsboro are jointly developing the Willamette Water Supply System to serve their customers' future drinking water needs. The City of Beaverton is also considering joining the partnership. The new system will draw water from the mid-Willamette River at Wilsonville and, once treated, deliver it to TVWD and City of Hillsboro customers. The Willamette Water Supply Program is being funded by TVWD and City of Hillsboro ratepayers.

Plant Location and Capacity

Construction of a new, seismically secure water treatment plant (WTP) is essential to the new water system. It will be located in the Tonquin Employment Area, currently in unincorporated Washington County, near the intersection of SW 124th Avenue and Tualatin-Sherwood Road. The WTP will be sited within the southern portion of the nearly 100-acre parcel that is part of a larger planned industrial area. The WTP will occupy about 20 acres. Approximately 20 additional acres are earmarked for roadway improvements, setbacks and habitat preservation. The site meets several important criteria including that it is geologically stable, is slated for future development, is of adequate size, and allows opportunities to conserve wetland and upland habitat. The stable soils on this site mean the WTP will have superior seismic resiliency and will be better able to withstand a catastrophic natural disaster.

The WTP site is within the Urban Growth Boundary, will eventually be part of the City of Sherwood and will be zoned industrial once it is annexed to Sherwood (see map). The new WTP will initially produce up to 60 million gallons of water per day (mgd) but will be designed for a maximum of 120 mgd.

Water Treatment Process

The new WTP will be designed to utilize similar processes as the existing Willamette River Water Treatment Plant (WRWTP), which has been delivering safe and reliable water to Wilsonville and Sherwood residents since April 2002. The WRWTP utilizes multiple treatment steps to meet drinking water standards. Steps include enhanced coagulation sedimentation, ozonation, granulated activated carbon filtration, sand filtration, and secondary chlorine disinfection (learn more at www.ourreliablewater.org/quality-water-after-filtration)

Timeline

Preliminary design and permitting is underway. Construction is anticipated to begin around 2022, with the plant beginning operations in 2026.

Learn More

OurReliableWater.org

503-941-4570

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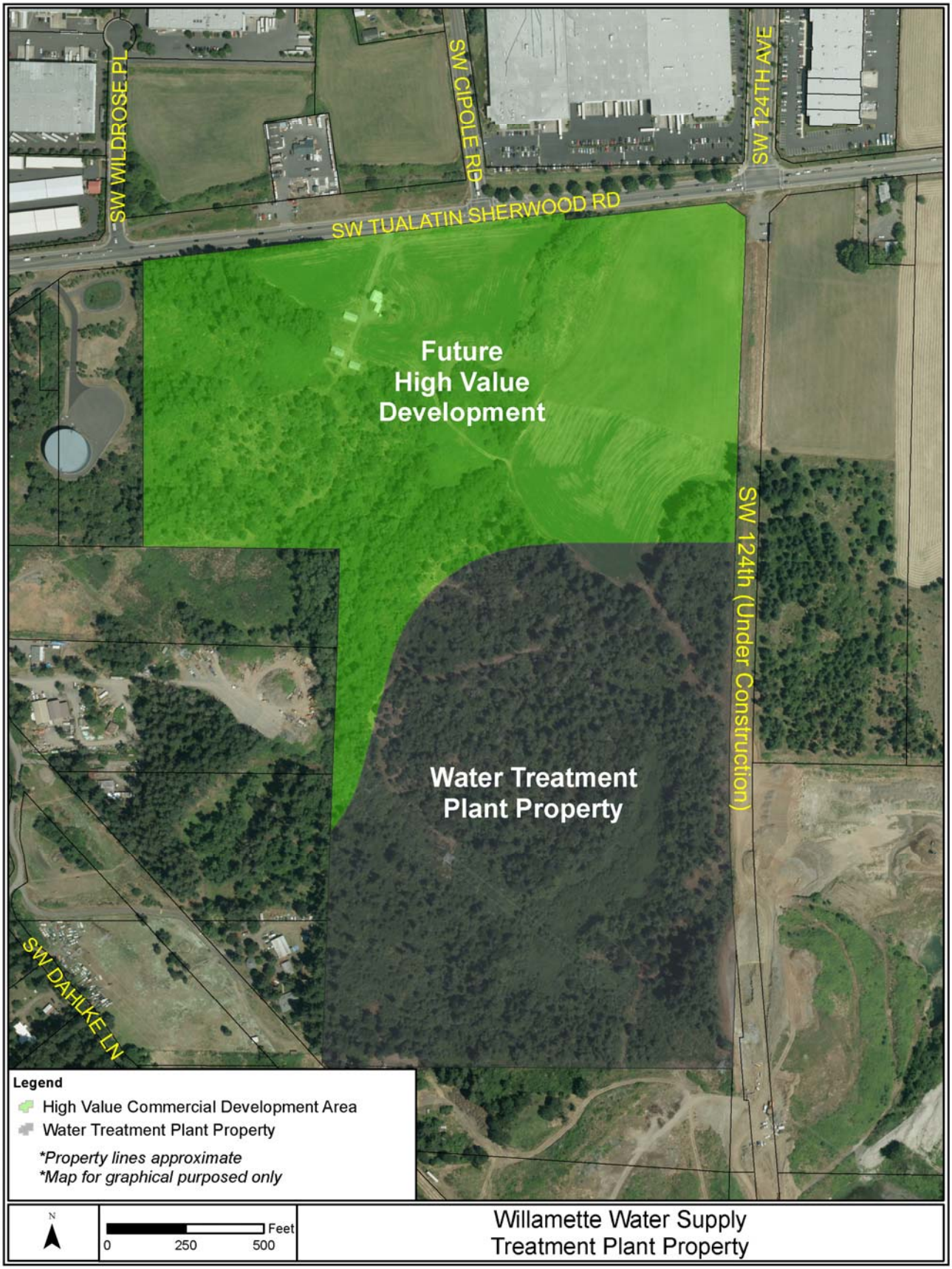
Our Future Water Supply

The Willamette Water Supply Program is a partnership between Tualatin Valley Water District and the City of Hillsboro to develop the mid-Willamette River at Wilsonville as an additional water supply source. This new system, when operational in 2026, will provide a reliable water supply for the region while also helping water system operators balance supply during times of drought or other supply interruptions, and recover more quickly after a large natural disaster.


SW WILDROSE PL
SW CIPOLE RD
SW 124TH AVE
SW TUALATIN SHERWOOD RD
Future
High Value
Development
SW 124th (Under Construction)
Water Treatment
Plant Property
SW DAHLKE LN
Legend
High Value Commercial Development Area
Water Treatment Plant Property
*Property lines approximate
*Map for graphical purposed only
N
Feet
0
250
500
Willamette Water Supply
Treatment Plant Property