

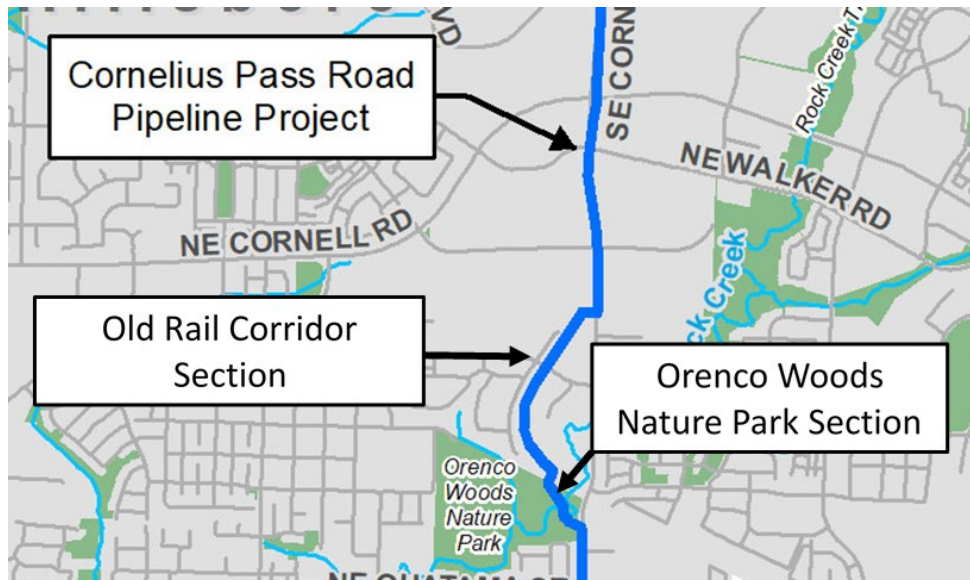
Willamette Water Supply *Our Reliable Water Future*

Cornelius Pass Road Area Pipeline Project (PLW_ 2.0)

Frequently Asked Questions

The Cornelius Pass Road Pipeline Project (PLW_2.0) is a 3.3-mile section of pipeline between Frances Street and the Tualatin Valley Water District connection point just south of Highway 26. Water pipeline construction is anticipated to begin in late 2021 and continue through late 2024.

Following are answers to questions the Program has received about two areas along the pipeline route. The “Old Rail Corridor Section” and the Orenco Woods Nature Park. The outreach team will update this FAQ when we receive questions from the public. Answers will be updated when new information is available.



Old Rail Corridor Section

Why does the pipeline need to be built in Orenco Woods Nature Park and the Old Rail Corridor?

The WWSP pipeline will mostly be constructed in Cornelius Pass Road, with small sections built outside of the roadway where necessary to avoid existing development or bridge supports.

Where within the Old Rail Corridor will the Willamette Water Supply Program (WWSP) pipeline be located?

The WWSP project team considered two pipeline route options through the Old Rail Corridor property (approximately center line of the property and another option further east). The eastern option was selected because it:

- Reduces construction impacts to neighboring homes.

- Shortens the time of construction as the eastern alignment requires less digging and disruption.
- Preserves trees and shrubs along the western edge near adjacent homes.

How many trees will be removed?

Approximately 60 trees, located mainly along the eastern side of the Old Rail Corridor, will be removed. Trees and landscaping outside the construction work area will be protected during construction. The WWSP team will look for opportunities to re-use cut trees in stream restoration or for landscape purposes. To develop a tree location map, the survey team has tagged ALL trees on the property over 8" diameter. Tags on the trees do not indicate that they are marked for removal or protection.

What is the design for the finished grade/landscaping? When will we see the final plan?

The landscape design effort for the Old Rail Corridor has been rescheduled to start in 2021.

What are the Tualatin Valley Water District (TVWD) and City of Hillsboro going to do with the property long term?

The WWSP partners bought this property for the pipeline, which will be serving TVWD and the City of Hillsboro. The site will permanently be used for this purpose. A gravel road in the corridor will provide access for pipeline and landscape maintenance into the future.

TVWD, the managing agency, will be responsible for maintenance of the site once the Willamette Water Supply System is complete and delivering water in 2026. Until then, WWSP staff will coordinate with TVWD to address maintenance needs, including mowing and tree trimming, as needed.

Is it possible for neighbors to lease some property from TVWD so that small areas can be utilized for play structures and/or gardens (and avoid moving these things off the property during construction)?

The project team is exploring this possibility and considering things like liability, long-term operations and maintenance, security, etc.

Is it possible to install a Cornelius Pass Road traffic noise barrier "wall" once construction is complete?

It is unlikely that a noise barrier wall will be constructed due to expense and security concerns.

Has an environmental impact study been done?

Yes. WWSP is also required to comply with Federal, State, and local regulations regarding impacts to nesting migratory birds and tree protections, and will be implementing measures during construction to comply with those requirements.

When will construction begin?

Construction is anticipated to begin in late 2021. WWSP expects construction for the entire pipeline section from Highway 26 to SE Frances Street to take three years. As with all construction projects, the schedule is subject to change. Once a contractor is hired in spring 2021, WWSP staff will be sharing specific construction timelines and locations with nearby businesses and residents.

How is the pipeline constructed?

The pipeline excavation will be approximately 14' deep, with the pipe placed at the bottom of the trench. The edge of the trench will range from 55' to 90' between the pipeline and residential structures. In many other Willamette Water Supply pipeline construction locations, the pipeline has been installed successfully close to homes, ranging from between 32' – 48' between the pipeline and residential structures. Construction equipment will include excavators/tracks and trucks.

How long will disruptions last once construction begins?

The entire Cornelius Pass Road Pipeline Project will take three years to complete. Construction of the pipeline through the Old Rail Corridor will take approximately four months.

What are the normal working hours for the construction crew?

Normal City of Hillsboro permitted work hours are 7 am to 6 pm, Monday through Friday excluding legal holidays. The work schedule will be determined by the City, which considers the impacts of construction of the pipeline along Cornelius Pass Road on the wide range of community which might be impacted by lane closure along this arterial due to pipeline installation. The contractor will abide by the City of Hillsboro's allowable work hours. While extended work days are not anticipated, allowing the contractor flexibility to take advantage of dry weather or daylight hours will result in more efficient construction.

Where will all the equipment and supplies needed to construct the pipeline be staged/stored?

One of the three staging areas for the Cornelius Pass Road Pipeline Project is proposed on Hillsboro Fire Station No. 6 property, which is situated close to the Old Rail Corridor. The staging site is expected to be in use for approximately one year to efficiently facilitate nearby construction. The construction staging area will be used to stockpile materials like soil and pipe and to stage equipment for the trenchless crossing beneath the TriMet light rail track. The site will also house an equipment trailer, a personnel trailer and parking, and temporary restrooms. This staging site will help accelerate construction through the berm and Orenco Woods Nature Park and lessen impacts to Cornelius Pass Road, as materials will be located nearby, making construction more efficient.

Where will trucks and equipment access the north and south end of the Old Rail Corridor?

Trucks will access the old rail corridor near Fire Station No. 6 and from Cherry Drive.

Will security style fencing be installed during construction?

Security fencing will be installed around the staging area during construction.

Orenco Woods Nature Park Pipeline Crossing

Why does the pipeline route travel beneath the Orenco Woods Nature Park?

Existing right of way is generally the preferred location for water pipelines. However, at this location, the TriMet bridge and Rock Creek bridge abutments across NE Cornelius Pass Road make it impossible to build the Willamette Water Supply System (WWSS) pipeline within the existing right of way. The east side of NE Cornelius Pass Road cannot be utilized for this construction because it is already developed

with housing. The feasible location for this segment is through the eastern section of Orenco Woods Nature Park near Cornelius Pass Road.

The need to route the pipeline through the park was anticipated during park development. The City of Hillsboro's OWNP 2015 land use approval required a utility easement for the future WWSS pipeline construction. Since 2017, the Willamette Water Supply Program (WWSP) has been in communication with Metro and City of Hillsboro Parks and Recreation staff to discuss the easement and its ultimate limits.

During construction, will the OWNP be open for use?

Yes, most areas of the OWNP will be open for use during construction. The areas closed to the public will be in and around the construction zone and the parking lot and trail on the east side of the park. The construction area will be located on the east side of the park, from the parking lot at NE Samuelson Street and NE 77th Avenue, to the TriMet tracks. The regional trail connection will be detoured around the construction zone.

What agencies have regulatory jurisdiction over the proposed project?

Many agencies have jurisdiction over some or all of the proposed project. WWSP staff have been coordinating with federal, state, and local agencies since 2014 to understand all applicable regulatory requirements. To date, WWSP has acquired several permits for the work within OWNP, including US Army Corps of Engineers (USACE), Department of State Lands (DSL), and Clean Water Services (CWS). Additional approvals will also be needed including:

- City of Hillsboro Planning Division – Although the pipeline itself is exempt from land use permitting requirements, WWSP will complete an analysis of impacts to the Significant Natural Resource Overlay (SNRO) and Regulatory Floodplain Overlay, including the area within OWNP, and propose mitigation for the Planning Department's review. WWSP anticipates providing this information in fall 2020.
- Metro and the City of Hillsboro Parks and Recreation Department – WWSP is working with Metro and the Parks and Recreation Department regarding easements as well as revegetation and restoration plans in OWNP prior to implementation.
- Oregon Department of Environmental Quality – WWSP will seek a 1200-C erosion control permit for construction in OWNP and other nearby areas.
- City of Hillsboro Public Works Department will review and inspect the project's sedimentation and erosion control measures.

What mitigation is planned? Will it be done on-site?

Mitigation actions (replacing, replanting, restoring) to address construction impacts in the park and the pipeline creek crossing are being developed in coordination with the City of Hillsboro Parks and Recreation and their wildlife biologist. Mitigation will be completed on-site to return the park to current conditions or better.

The City of Hillsboro Planning Division will review the mitigation actions for compliance with local habitat mitigation requirements. Metro will have the opportunity to review and approve the revegetation and restoration actions for all work in OWNP prior to implementation. Other regulatory

agencies will also review mitigation actions relevant to their jurisdictions. These include: National Marine Fisheries Service (NMFS), USACE, DSL, and CWS. Once mitigation actions have been finalized, the overall mitigation effort for OWNP will be posted to the WWSP website at OurReliableWater.org.

How will information and updates be disseminated to neighbors, park users, and the community during the project?

WWSP staff will mail updates, post information to the OurReliableWater.org website, send monthly e-newsletter updates, meet with neighbors online and in person (when it is safe to do so), share information through the City of Hillsboro's City Views newsletter, post informational signage at park entrances, etc. Information will be shared through the remainder of design phase and throughout construction and mitigation activities.

How will the pipeline be constructed across Rock Creek?

As designed, the 48-inch diameter pipeline will cross Rock Creek using open-trench construction. This means the length of the stream crossing will be approximately 50 feet. The depth of earth cover over the pipe will be a minimum of 8 ft below the creek bed.

Isolating work areas during open-trench construction within an active channel generally involves shifting flows from one side of a stream to the other as construction progresses to protect the work area and surrounding environments. Several methods can be used to reroute or temporarily isolate streams and fish from the work area, including pipes, cofferdams, diversion ditches, silt curtains, sheet piles, sandbags, inflatable dams, or similar methods. To minimize disturbance to downstream fish populations and habitats, the discharge point from the temporary diversion is located immediately downstream of the worksite.

The construction of the pipeline crossing of Rock Creek is expected to take up to one month, with construction in the stream channel planned to be completed between July 15 to September 30, when fish presence is anticipated to be low.

Why are we using open-trench construction method to cross Rock Creek?

The open-trench construction method is the best way to cross Rock Creek to reduce environmental and social impacts, logistics, costs, and technical issues at this location. In comparison, a trenchless crossing of Rock Creek would require placing boring shafts within OWNP. The placement of these shafts and the associated construction footprint, as well as the longer duration of construction (three to six months), would likely result in greater impacts to the park and the site's natural resources than the proposed open-trench crossing.

Will the pipe be above or below ground?

The pipeline through Orenco Woods Nature Park will be buried and not visible once constructed. There is one above-ground appurtenance (blowoff) proposed in the park, though its exact location and design has yet to be finalized. The standard design is a 3' X 3' concrete platform with a manhole in the center. The platform is typically raised ~12" above grade. If the final location can be placed within the existing paved park path, then it would just be a manhole cover at the same grade as the path itself. This blowoff poses minimal visible impact and no impact to wildlife.

How will the pipe cross the TriMet light rail tracks north of the park?

The current design is to tunnel beneath the TriMet light rail tracks. This will prevent interruption of any Max line services to Hillsboro. WWSP staff have been coordinating closely with TriMet on this design, and WWSP will obtain a utility crossing permit from TriMet prior to construction.

Are there park improvements planned?

Trails, sidewalks, or parking areas impacted during pipeline construction will be restored and the Willamette Water Supply System Commission intends construction of additional improvements in OWNP. These improvements could include construction of new boardwalks, improvements to existing gravel trails or other efforts identified in coordination with Metro and Hillsboro Parks and Recreation.