



Beaverton Purple Pipe: Graphic Concept

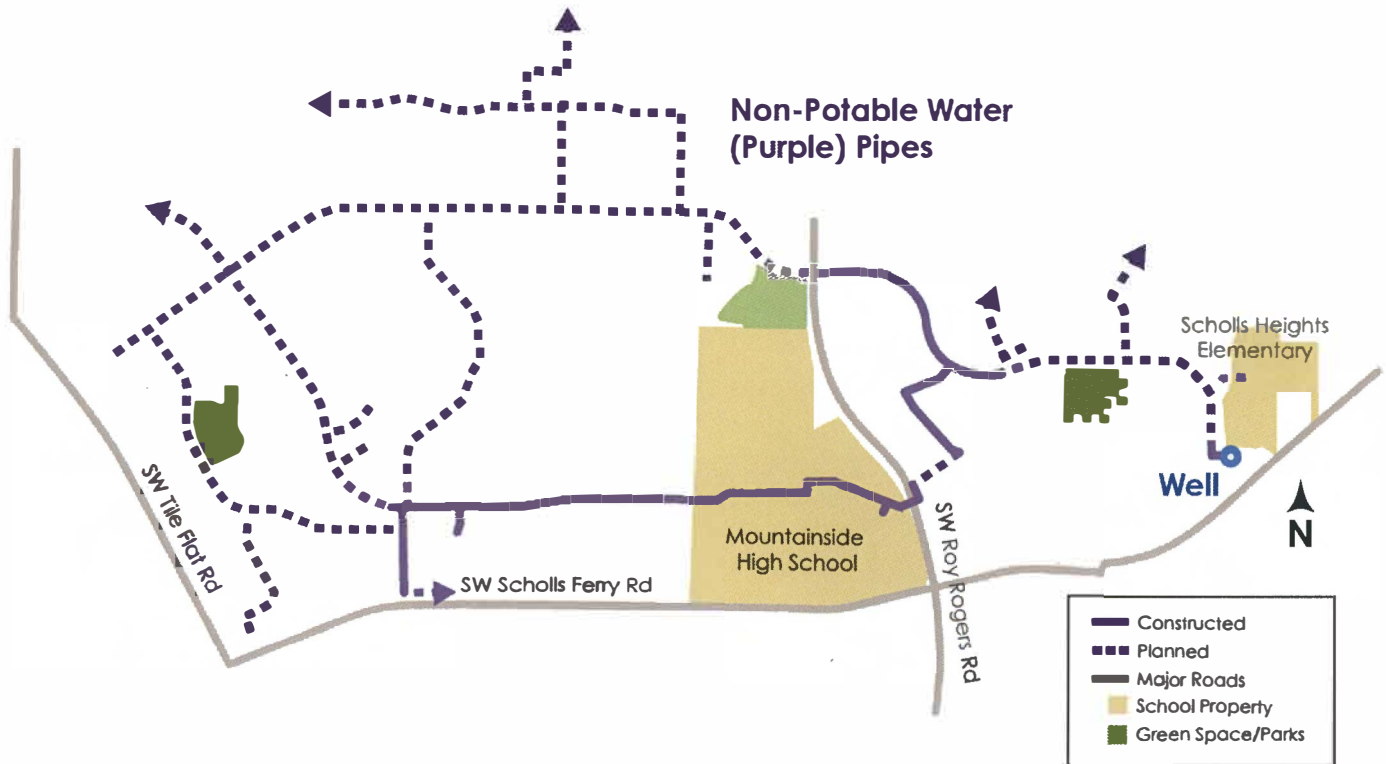
WATERING OUR GREEN SPACES

The purple pipe will serve the community's irrigation needs for common spaces such as right-of-way areas, schools, sports fields and parks. It will also be used to improve stream flows in the Tualatin River Basin during dry weather months.



PURPLE PIPE NETWORK

The purple pipeline network is actively being built. Currently, 1.7 miles of pipe have been laid in the South Cooper Mountain area. All pipes are being installed as areas are developed, which is the most cost-efficient and least disruptive way to build the system. Future connections and expansion are needed to create a fully functional and sustainable system.





THIS PROJECT IS...

The Beaverton Purple Pipe is a new municipal water system that routes cleaned stormwater for irrigation and stream recharge.

The Beaverton Purple Pipe promotes responsible use and conservation of our most precious natural resource: clean drinking water. This project is about the Beaverton community working towards the future we want to see—in which water resources are thoughtfully conserved, the impact of urban development on natural environments is lessened, and our municipal water system supports this vision by connecting the right water with the right uses.

ENVIRONMENTALLY RESPONSIBLE

Stewardship of water resources is at the heart of this project.

- The project puts available water to use that could not otherwise be used.
- Conserving drinking water means we'll take less water from the natural environment.
- Capturing and reusing stormwater runoff reduces erosion and impacts to local waterways.
- Use of winter stormwater will reduce water diverted from the Tualatin River in the summer.
- Water that's put back into Tualatin River Basin streams will keep summer flows healthy, and cool water to fish-friendly temperatures.
- Overall, the project will help reduce the impacts of urban development on our water system and natural environment.

Things to know about the Purple Pipe project:

- This is a visionary project for Oregon. While similar approaches have been used in places such as the southwestern U.S. for years, this will be a first in our region.
- The first phase of the project is in the South Cooper Mountain neighborhood. The next phase will be in the areas planned for future development. The new system will benefit all Beaverton residents.
- The project has been designed to offset costs and provide mutual benefit to community members, developers and city water suppliers.

FISCALLY SOUND

As our city's water needs grow, matching the right water with the right uses will keep costs down.

- Providing chlorinated, fluoridated drinking water is expensive—and this high-quality water is not needed for irrigation.
- In the long term, the project is anticipated to provide cost savings to city water users. By using local untreated water for irrigation, we will purchase less water from expensive regional sources, such as the Willamette River. It's an investment that will provide financial benefits for decades to come.
- The project has been phased to reduce financial impacts to taxpayers and developers.

FORWARD LOOKING

This project supports Beaverton's future generations by helping build a reliable and sustainable water supply.

- More water for irrigation will help keep our community green, healthy and welcoming.
- Creating a resilient, efficient water supply is part of proactively addressing climate change.
- While this project makes sense, it takes vision and planning to make it a reality. Through this project, the Beaverton community is taking action toward the future we want to create.

Key benefits

- Proactively addresses climate change and resiliency issues through water supply conservation efforts.
- Lowers cost of water by reducing unnecessary use of chlorinated, fluoridated drinking water.
- Reduces stormwater flow into the sewer system, reducing treatment needs and costs.
- Provides cost savings to the city, that can then be used to further benefit community members.
- Increases summertime flows and reducing stream temperatures in the Tualatin River Basin.
- Improves habitat and protects fish species listed on the Endangered Species Act.



STANDARDS

- Name: "Beaverton Purple Pipe" or "the program"
- Tagline: "Connecting the right water with the right uses."
- How water is described: "clean, untreated water" or "local untreated water"

Fact: Purple is the national color to signal clean, non-potable water such as groundwater or rainwater.

Fact: Only about 1% of drinking water in the US is used for drinking. Other uses often do not require such high-quality water.

Fact: The Purple Pipe project was one of the Top 10 priorities established by the Beaverton City Council in 2018.