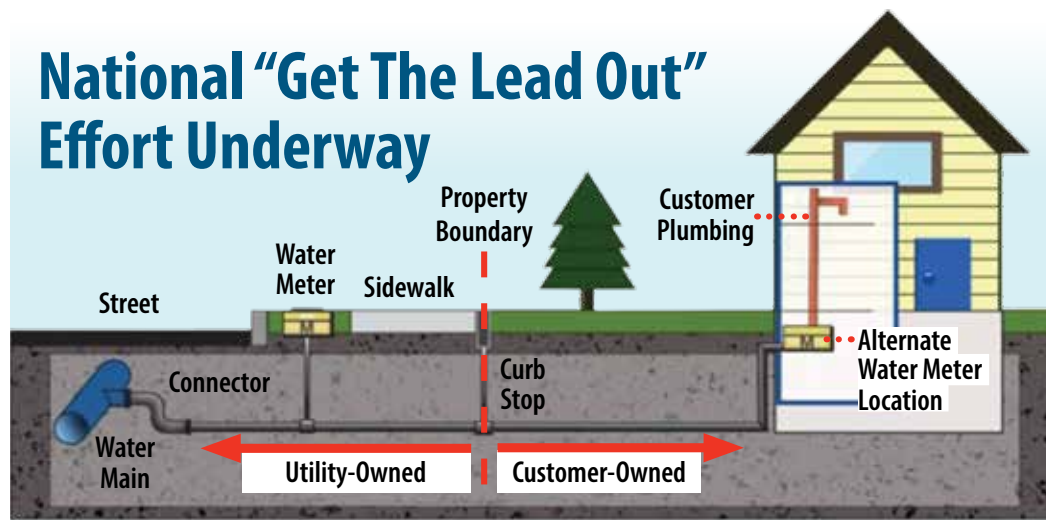




**One of our planet's most valuable resources is water. How can you help protect it?**

- Fix leaky toilet flappers, faucets, hose bibs, and sprinkler heads.
- Take shorter showers.
- Turn off the tap while shaving or brushing teeth.
- Wash large loads of laundry and full dishwashers.
- Use a broom (vs. a hose) to clean sidewalks, driveways and patios.

## National "Get The Lead Out" Effort Underway



*For many years, the risk of lead from paint, gasoline, jewelry, toys, and soil dominated the conversation. After the lead incident in Flint, Michigan, the public became increasingly aware of the possibility of lead in drinking water.*

While lead does **not** naturally occur in source water, it can get into the water if the pipes contain lead. This is what happened in Flint. The current administration's Get the Lead Out goal is to deliver clean drinking water, replace lead pipes, and remediate lead paint to protect children and communities across America. The US Environmental Protection Agency and the State of Washington Department of Health have asked all public water systems to document what type of pipe material is being used in our water systems. This includes both in the utility-owned lines, as well as the customer's lines (as per the above diagram) by October 2024. Stay tuned for more updates on this effort in future newsletters!

## Update on Washington State Infrastructure Funding

Our last newsletter described the state's innovative low-interest infrastructure funding mechanism called the Public Works Assistance Account (PWAA), and how funds from this critical source have been getting diverted away from infrastructure for a number of years. Given the importance of this funding source, we continue to urge our legislators to uphold their commitment to our state's infrastructure and **pass a constitutional amendment** that will ensure revenues return to the PWAA account, and protect it from future diversions. We were encouraged to see the issue has been included in the Senate proposed budget. A final vote will occur during the last day(s) of the session, which ends in late April 2023.



Issue 1: January • February • March 2023

A newsletter for water-related issues and info  
Serving the communities of Shoreline and Lake Forest Park since 1931

### From Our Board... by Ron Ricker, Board President

You've probably been hearing about infrastructure in the news these days, both at the federal level and here in Washington State. Because water and sewer services are mostly out of sight, they're typically also "out of mind" when it comes time to invest in regular maintenance. Thankfully the opposite is true here at North City Water District, where we can confidently assure you that your water system is regularly and proactively well-maintained, far above most utilities around the nation, and even within our own state. In this issue, we've chosen to highlight some of our more recent projects that illustrate our attention to infrastructure, including how we address the impacts of Sound Transit Light Rail and Bus Rapid Transit. In addition to these efforts, we're also embarking on a project to help our nation comprehensively address the issue of lead in drinking water (details inside). Last but not least, if you're as excited about spring as we are, join us for one of our upcoming free Savvy Gardener Classes (details on the first class here) —>

FREE  CLASS

### THE DOWN AND DIRTY: Soil Building Secrets for a Greener Garden

Wednesday, April 19, 2023 • 6:30–8:00 pm

In person at North City Water District  
1519 NE 177th Street in Shoreline

REGISTRATION REQUIRED... SIGN UP TODAY!  
call 206.362.8100  
or email [community@northcitywater.org](mailto:community@northcitywater.org)

## the savvy gardener Three Free Gardening Classes at North City Water District!

All three in person in our conference room • Call or email us to register • 206.362.8100 • [customerservice@northcitywater.org](mailto:customerservice@northcitywater.org)

### The Down and Dirty: Soil Building Secrets for Greener Gardens

Wednesday, April 19 • 6:30 – 8 pm

Presenter: Ea Murphy

### Four Seasons of Color: The Year-Round Garden

Wednesday, May 31 • 6:30 – 8 pm

Presenter: Marianne Binetti

### Favorite Northwest Natives: Less Watering, Less Fertilizers, Less Hassle

Thursday, September 14 • 6:30 – 8 pm

Presenter: Greg Rabourn

More information and additional classes available at [www.savingwater.org](http://www.savingwater.org)

The North City Waves Newsletter is brought to you by North City Water District, and its Board of Commissioners:

Ron Ricker (President), Patricia Hale (Vice President), and Charlotte Haines (Secretary).

Feel free to contact us at PO Box 55367, or 1519 NE 177th Street, Shoreline, WA 98155.

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### Three Ways to Stay in Touch

- Bucking the Trend with Proactive Infrastructure Maintenance
- Earth Day Water Conservation
- National "Get The Lead Out" Effort
- Update on Washington State Infrastructure Funding
- Two Free Gardening Classes

### Inside This Issue

PO Box 55367  
1519 NE 177th Street  
Shoreline, Washington 98155  
206.362.8100





# Bucking the National Trend:

*North City's Proactive Stance on Maintaining Infrastructure Ensures Your Water System is One of the Best in the Nation*

## ● CIP 2021-01: 2.0 MG Reservoir Improvements

**Contractor: DN Tanks**

During a routine inspection of our 2.0 MG reservoir, we found 4 interior cracks and some blemishes in the exterior coating. While the tank was drained to repair the cracks, we added internal water sampling points to check water quality, and changed out the baffles that keep water mixed. The interior was then cleaned, disinfected, refilled, and brought back online. After pressure washing the exterior, we applied a new coating.

## ● CIP 2021-02: Water Main Replacement: 25th Avenue NE

**Contractor: B&B Utilities**

After several breaks in an older 8" cast iron water main on 25th Avenue NE, we opted to replace the aging section with 8" diameter Ductile Iron (DI) pipe, along with a new fire hydrant and a new air release at the highest elevation.

## ● CIP 2021-03: Service Upgrade: 30th Avenue NE

**Contractor: Harkness Construction**

This project replaced an old 2" cast iron water main that supplied six residences off Ballinger Way. Instead of running a new water main, we placed a bank of water meters near the end of the street into the Right of Way (ROW), and ran separate services to each individual residence in a shared easement trench so services would be on private property.

## ● CIP 2021-04: Water Main Creek Crossing on Beach Drive

**Consultants: KPG Psomas, Confluence Environmental, Landau Associates, and Cascade Trenchless Consulting, in design**

Beach Drive NE has a bridge that crosses McAleer Creek within the City of Lake Forest Park, near the creek's outlet to Lake Washington. Because our water pipes currently dead end on either side of the bridge, the District has long wanted to find a way to physically complete the loop to improve system reliability. An initial evaluation of alternatives by KPG Psomas determined that the best option will consist of about 350 feet of 8" diameter water main, using horizontal directional drilling (HDD) for the portion of the piping under the bridge and creek, and replacement of individual residential services and hydrants. Design is underway, and the project is scheduled to go out to construction bid in January 2024.

## ● CIP 2021-05: Water Main Installation: NE 200th Street

**Contractor: Wolfskill Construction**

To meet fire flow velocity requirements at the northern end of our service area, we installed a new 12" Ductile Iron (DI) water main within the NE 200th Street ROW (right of way), between 24th and 25th Avenues NE.

## ● CIP 2022-01: Bothell Way Crossing

**Consultant: Consor, in design**

To provide additional back-up redundancy to Lake Forest Park's Sheridan Beach neighborhood, Consor Engineers worked with the District to identify four alternatives that would maintain service in the event of emergency shutoff or system maintenance. The chosen alternative will connect 41st Avenue NE and Beach Drive NE by adding approximately 150 linear feet of pipe to the District's system. While construction is underway, we plan to extend the waterline to *(continued)* →



CIP 2021-01



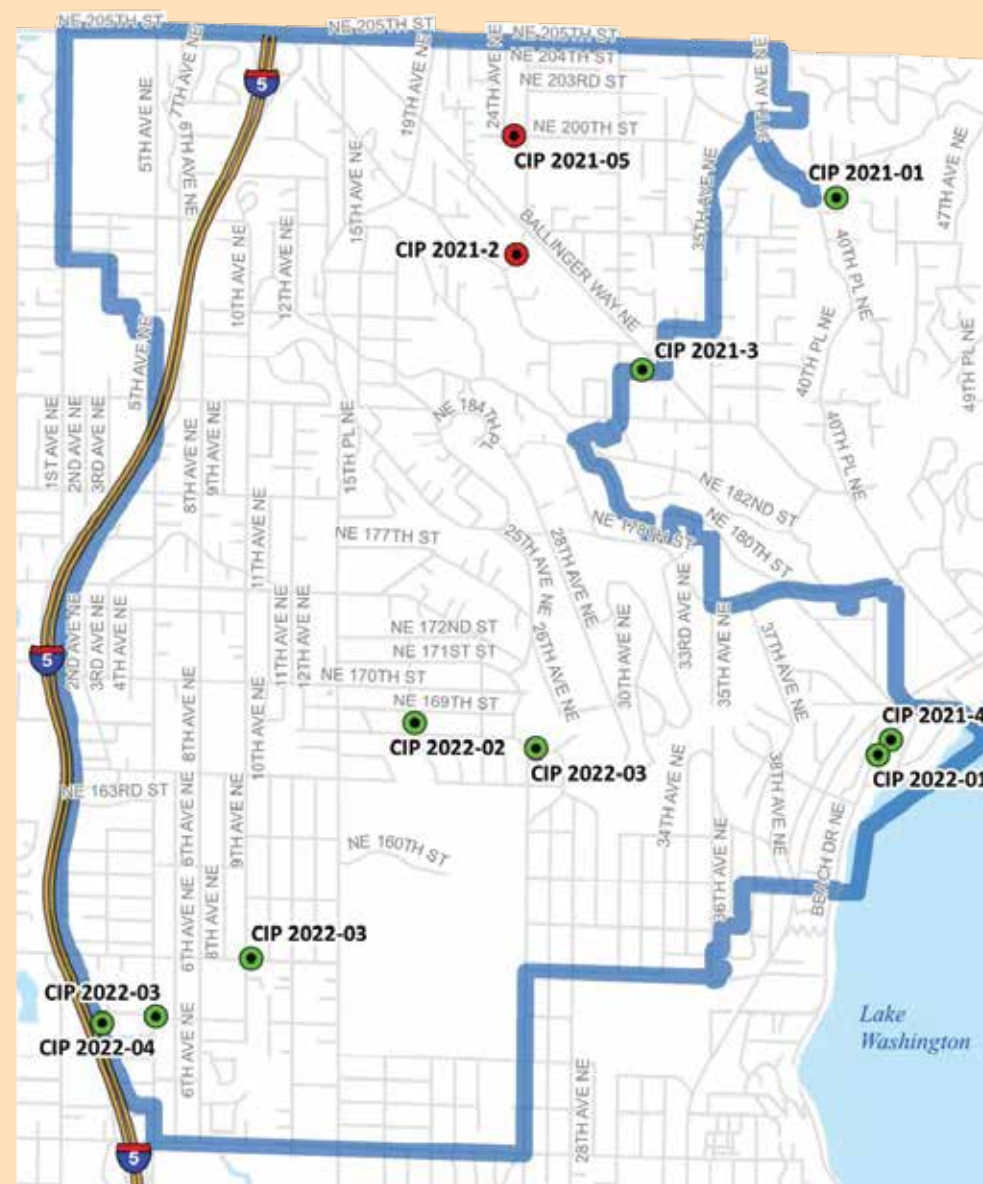
CIP 2021-02



CIP 2021-03



CIP 2021-05



*(continued from previous page)*

● Ongoing ● Complete

Beach Drive NE to replace an existing hydrant, and another 200 feet northeast along Beach Drive NE to connect with another District project. Because construction will impact users of the Burke-Gilman trail for a short period of time, we will coordinate its timing with the City to provide a detour.

## ● CIP 2022-02: System Improvements around 18th Avenue NE and NE 168th Street

**Contractor: B&B Utilities**

Ongoing development projects located throughout multi-family developments along the Sound Transit Light Rail Expansion alignment highlighted a need for additional redundancy in the District's distribution system. Modeling analysis indicated that connecting existing pipe networks and eliminating existing dead-end mains in the vicinity of the intersection of 18th Avenue NE and NE 168th Street would improve available fire flows throughout this area (which we refer to as the 590 Pressure Zone). Specific improvements will include new connections, water main replacement/upsizing, service replacements, new air release/vacuum valves, and a new fire hydrant along 18th Avenue NE. Construction is scheduled to begin in late June 2023 to correspond with the end of the school year, with completion anticipated before the 2023/2024 school year begins.

*If you have any questions about any of these projects, give us a call at 206.362.8100.*

## ● CIP 2022-03:

**Water Main Replacements: 3 locations**  
**Consultant: David Evans & Assoc., in design**

When the City of Shoreline's land use structures around the Sound Transit Light Rail Station located at NE 148th Street and 5th Avenue NE, the District identified the need for larger water mains to accommodate increased fire flow requirements. All told, we will be replacing roughly 5,100 linear feet (LF) of water main with "restrained joint class 52" Ductile Iron (DI) water main—this type of pipe is more stable under the force of water changing direction. Specific details include:

- Replace 2,700 LF of 6" main with 12" DI main on 6th Avenue NE between NE 145th and 155th Streets
- Replace 2,100 LF of 6" main with 8" DI main along NE 155th Street between 8th and 15th Avenue NE
- Replace 300 LF of 6" main with 8" DI main along NE 168th Street between 23rd and 25th Avenue NE

## ● CIP 2022-04:

**Water Main Extension: 3rd Avenue NE**  
**Contractor: RH2 Engineering, in design**

When the City of Shoreline rezoned the area surrounding the Sound Transit light rail expansion along I-5 to become multi-family, North City Water District began receiving applications from developers for new apartment housing projects. Two private developments that are already in progress will replace the existing water mains along NE 149th and 152nd Streets.

The District is planning another District-funded project to install a 12" water main on 3rd Avenue NE that will provide commercial fire flow in the development area. This project will be completed in two phases: the first northerly phase between NE 152nd Street and NE 151st Street will replace an existing 4" main, along with Sound Transit's restoration and extension of this section of roadway; the second southerly phase between NE 151st Street and NE 149th Street will connect the existing water main located to the new developer extension on NE 149th Street—all coordinated with the City of Shoreline's 3rd Avenue NE Roadway Extension and Trail Improvements.