Water System Improvement Project

The purpose of this notification is to inform Village residents of upcoming water main replacement projects and the associated need for many water customers to replace their privately-owned water services.

The Village will be undergoing significant water main replacement projects beginning spring of 2024. These projects will be completed by private contractors, with oversight by the Village and the project engineer. These projects will consist of installing new water mains, hydrants, valves, and service stubs on along various streets throughout the Village (see map below).

Benefits of the project include the following:

- Replacing failure-prone and leaking water mains that have far exceeded their useful life.
- Upsizing various water mains to provide improved hydraulics and fire protection.
- Replacing lead components that remain from the original water system.
- Improving distribution system operation and flexibility.
- Reducing operations costs by reducing water loss and decreasing the frequency of emergency repairs.

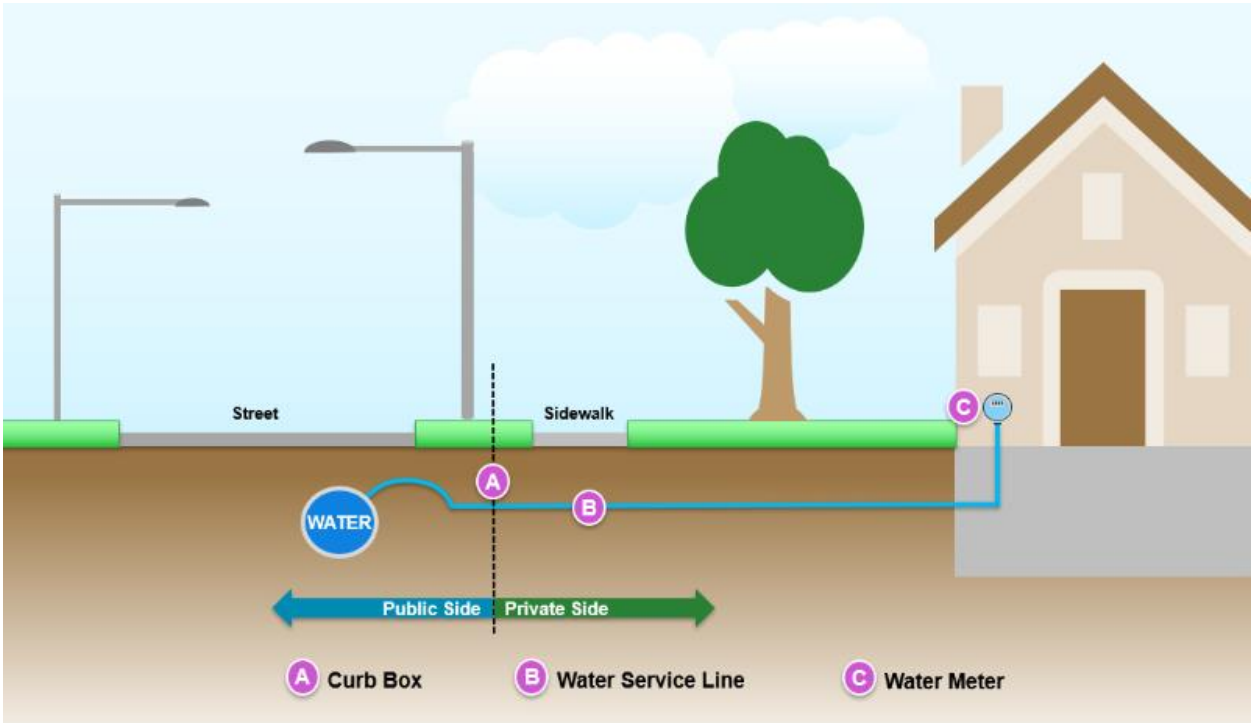
These water main replacement projects will generally consist of open cutting a trench within the public road right of way and installing new water main, main line valves, and fire hydrants. The existing water main remains active while the new main is installed to provide continued water service to customers. Once a stretch of new main is fully installed and has been tested and disinfected, new water service stubs are installed from the new water main to the edge of the public right of away and this new service stub is connected to the existing privately owned water service piping. At this point, the customer is now being served by the new water main. Once all customer services are switched over to the new main, the old main is decommissioned.

Per the schematic below, the Village will be replacing all water distribution infrastructure within the public right of way, including the section of water service from the water main to the private property boundary (referred to above as the 'service stub'). The portion of the water service that extends from the front property line to the structure is private property and is not owned or maintained by the Village.

Please be advised that many privately owned water services have exceeded their useful life and need replacement. This replacement of privately-owned infrastructure will not be included in the Village projects at this time and will be the responsibility of each property owner. Most dated water services in need of replacement are constructed of galvanized steel or lead piping, typically approximately ½" to ¾" in diameter. Modern water service materials include copper and plastic (HDEP, high density polyethylene) service tubing. If you have copper or plastic water tubing extending through your basement wall, it is likely that your water service has been installed or replaced within the last 40 years and may be in suitable condition. If you have galvanized steel piping or, less commonly, lead piping extending through your basement wall, you likely have a water service that has extended its useful life and is need of being replaced.

Lead water service piping poses a health risk and is required by public health authorities to be replaced. Galvanized steel service piping that exists throughout the Village has been documented to be badly deteriorating and badly leaking. When the contractor installing new water main attempts to connect the newly installed service stub to your existing privately-owned water service, a sufficient leak-tight connection is often not able to be made to deteriorating galvanized service piping. Furthermore, many of the galvanized steel service lines were originally installed with a lead gooseneck, a short piece of flexible lead service tubing installed at the connection to the water main. Though the replacement of the water service stub within the public right of way will remove this lead gooseneck from service, public health authorities require that galvanized services that were previously connected to the main with a lead gooseneck be replaced in order to remove the risk of lead contamination.

We will continue to update you as work progresses. Thank you


Street
Sidewalk
A
B
C
WATER
Public Side
Private Side
A Curb Box
B Water Service Line
C Water Meter