



Water main replacement program

June 2020

The City of Calgary continues to treat, test and deliver high-quality water to Calgarians during the COVID-19 pandemic. While we prioritize the delivery of essential services, our capital construction programs are moving forward where possible. These construction projects are critical to supporting current and future development while also protecting our environment.

As with all capital projects, our priority is the health, safety and well-being of citizens, staff and contractors. We continue to monitor and when required, put in place new measures and protocols to ensure public health is always protected.

Background

The City of Calgary takes a proactive approach to protect and replace aging assets such as water mains. Since 1980, emergency water main repairs have been reduced by 73 per cent.

The reduction is thanks to a water main replacement program that replaces corroded mains with new PVC pipe, and by reducing the rate of corrosion through an anode retrofit program that adds cathodic protection to existing water mains.

Water main replacement program

As part of our proactive approach to reduce emergency water main breaks, and service interruptions. Inspections are completed to identify areas for replacement to mitigate future breaks.

The 2020 water main replacement program projects are listed below in no particular order:

- 42nd St SW (between 28-30th Ave SW)
- North leg Brazeau Cr SW. (From west leg to east)
- 12 Ave. SE. (between 25 and 26 St. SE)
- 8 Ave NE (between Middleton Dr and Moodie Rd NE)
- Rundecairn Rd NE (between 48th St and 50 St NE)
- Parkland Dr. SE (at Parkland Cr SE)
- 8 Ave SW (to Westwood Dr SW)
- Centre Ave. NE (between 6 St NE and 7A St NE)
- Lane West Penbrooke Dr SE (between 2 Ave to Pensville Rd SE)

Schedule

Construction for each is expected to take approximately two weeks. Nearby residents will receive notification from the contractor prior to work beginning.

Please note the length of construction can vary depending on the condition of the soil, the condition of existing utilities, and weather conditions.

Construction impacts

- Temporary water servicing, and possible water shut offs for nearby buildings. You will be notified at least a day in advance if your water will be shut off, or if you are being provided temporary water service.
- Temporary street parking restrictions.
- Vibrations due to compaction.
- Additional traffic and congestion due to construction activities and vehicles; in particular, impact to accessing parts of back lanes.
- Flag people will be on-site to assist with access to parking lots.

- Tree Pruning may be required for the safety of workers and to protect trees from accidental damage.
- Regular work hours will be 7 a.m. – 7 p.m. Monday to Saturday.

During the replacement work, existing water mains made of iron will be replaced with larger diameter PVC pipes. Affected valves and hydrants will be replaced and upgraded. Any sidewalks, curbs and gutters that need to be removed will be repaired to original or better condition.

The contractor will be working in phases, so they will be able to cover any open trenches as quickly as possible. Please note that some driveways may lose access temporarily while the contractor is working in front of them. The contractor will aim to provide temporary access to those driveways and move as quickly as possible to accommodate any impacted residents and businesses.

Water Service

It may be necessary to interrupt water service temporarily to complete portions of the work. For the majority of the duration of the construction activity, residents will be provided a temporary water supply. Should it be necessary to disrupt water service, the contractor is required to give prior notice to all affected customers at least a day in advance.

Please note that internal fire suppression systems will not work if a building is being supplied by temporary water services.