



Upcoming repair work and water conservation: August 26 - end of September 2024

We recognize the disruption this work is causing to you and your community and we thank you for your patience and understanding as we complete this necessary work.

Why is this construction necessary?

As part of our plan to repair the feeder main, we completed additional testing on the pipe to learn more of its condition. This further testing included areas of the pipe that we had not been able to inspect before and revealed several new locations that need repairs. Some of these are new hot spots that need urgent repair within the next few weeks.

To repair these new hot spots, we will need to stop water flow through the Bearspaw South Feeder Main again. Unfortunately, this means that during the repair period between August 26 and the end of September, we need a temporary return to Stage 4 Outdoor Water Restrictions, and we will be asking Calgarians to once again limit their indoor water use.

The ongoing deterioration of the pipe requires immediate repairs to maintain service until a comprehensive rehabilitation plan is implemented.

Why and how did The City make the decision to repair these segments right now?

The pipe diver assessment provided us with detailed information about the pipe's condition, identifying specific areas reaching the threshold for immediate repairs. We are proactively addressing the segments identified as most compromised, based on this new data.

Timing was also influenced by the need to reduce reliance on the Glenmore Treatment Plant before winter water storage becomes critical in September. It's important to understand that these repairs are planned, preventive, measures to maintain the pipe's integrity until long-term solutions are finalized.

Construction Schedule and Sequencing

On-street Parking removal, Driveway closures and roadway access restrictions: 33 Ave between 81 St NW and 85 St N.W.



On Sunday, August 25, crews will begin preparing 33 Ave N.W. between 81 St and 85 St N.W. for construction. Residents are asked to review the attached map to identify driveways and sections of roadway that will be closed.

Starting at 9 a.m. on Sunday, August 25, fencing will be installed along sections of the roadway between 81 St N.W. and 85 St N.W.

There will be no on-street parking between 81 St and 85 St, with acceptance of two designated accessible parking stalls. Some sections of the roadway will be fully closed to vehicle access. **All cars must be removed from the street between 33 Ave N.W. between 81 St and 85 St before 9 a.m., Sunday, August 25.**

For residents whose driveways will be impacted by the fencing and construction (as identified on attached map), please ensure your vehicles have been removed from your driveways before 9:00 a.m. on Sunday.

The attached map identifies where parking will be available during construction.

Construction Schedule

- Each repair location will take approximately 12-14 days to complete.
- Construction fencing and road closures on 33 Ave N.W. will start on Aug 25.
- Four work zones will be started the week of Aug 26.
 - As work is completed at the first four locations, crews will move to the remaining four work zones.
- Work will start at Shouldice Park on Aug 30.
- Work on 16 Ave East of 46 St will start after the September long weekend.

What to expect

Residents directly adjacent to construction sites should anticipate substantial impacts and disturbances including:

Noise, dust and lights typical of other construction projects. There will be noise from machinery 24 hours a day, throughout the week. There will also be dust and lighting to ensure crews have proper visibility when operating machinery.

Fencing at Work Areas

To ensure the site is safe for workers and the public, fencing will be set up around the areas that will be excavated on 33 Ave N.W. This ensures there is enough space



around the excavations so equipment, supplies and workers can perform the work in a safe environment. Fencing will also be used around the areas where the feeder main is being drained, to ensure public safety.

Saw Cutting the Road

Crews began sawing into sections of the pavement on 33 Ave N.W. on Tuesday. This process is the first step in removing sections of the pavement as part of the excavation process which exposes the feeder main. The next step, which involves crews removing sections of the road, is planned to start the week of Monday, August 26.

Excavation

Excavation, which involves removing the surface of the road and material underground to expose the feeder main, begins the week of August 26. This takes place on sections of 33 Ave N.W. on the 13 areas that need repair.

Road Closures and Detours

33 Avenue N.W. will be closed in sections between 78 Street N.W. and 87 Street N.W. to enable crews to stage equipment, supplies and make the necessary repairs to 13 areas along the feeder main.

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Hoses on Driveways and Manhole Access

Starting August 26, the following homes will have limited access to their driveways due to hoses used in draining the feeder main: 8007, 8011, 8015, 8611, 8615 and 8619 33 Avenue N.W. In addition, 8015 will have part of their driveway blocked by equipment and 8619 will have crews accessing the manhole on their front lawn. Hoses can be moved to provide temporary access to these driveways.

Feeder Main Draining



Residents will see water being released from the feeder main and into the Bow River during the first week of repairs. This is to drain the feeder main in preparation for repairs. Some homes on 33 Ave N.W. will have limited access to their driveways due to the placement of hosing used in draining.

Will residential water service be disrupted during construction?

Generally speaking, we are not anticipating a disruption of residential water service as long as water demand stays below what we can produce and distribute. In the areas where construction work is being completed if there does become a need to disrupt individual service to homes because of repair, we will provide interim water access and fire protection flow to affected areas with temporary lines or water wagons.

How we are supporting the community

Potential Construction Impacts	Mitigation Efforts
Emergency Access	The construction sites have been planned to allow for emergency services vehicles access.
Property Access	We are establishing agreements with affected properties along the South side of 33 rd Ave to grant access for pedestrians to walk across properties impacted by construction to help maintain access to homes.
Parking - On Street and Driveways	<p>A temporary parking lot will be set up at 34th Avenue and 86th Street N.W. Access to the lot will be off of 86th Street N.W. The parking lot will be monitored 24/7 by security.</p> <p>Temporary accessible parking spots will be created for residents who self-identified as having mobility challenges and requiring parking close to their home. Please be considerate of these special accommodations and don't park in these designated areas.</p>

<p>Pedestrian Movement and Safety</p>	<p>Flaggers will be in the community around key points for pedestrians to help them navigate safely around the construction sites.</p> <p>Security personnel will be at all construction sites and the temporary parking lot 24/7.</p>
<p>Waste, Recycling and Compost</p>	<p>There will be changes in waste collection for some residences on the south side of 33 Ave N.W. due to the water main repairs. These residences are identified in purple and yellow highlighting on the map below.</p> <p>Residents in areas highlighted in purple can continue to put out their carts as usual. There is no change in waste collection for these homes, including no change to scheduled collection days.</p> <p>Residents in areas highlighted in yellow will not be able to receive cart service because the waste collection trucks will not be able to access these homes while the water main repairs are taking place. Instead, residents in the yellow-highlighted areas will be asked to use the large dumpsters placed at key points along 33 Ave N.W. (as shown on the map below). House numbers including:</p> <ul style="list-style-type: none"> • 8807 - 8515 • 8355 - 8303 • 8007 - 7903 <p>will have NO waste, recycling, or compost cart service during construction.</p> <p>The waste and recycling bins are located in accessible locations as close to the impacted areas as possible (locations identified by green icons on the map):</p> <ul style="list-style-type: none"> ○ 8727 33 Ave N.W. ○ East of 8563 33 Ave N.W. ○ 8301 33 Ave N.W. ○ Close to 7844 33 Ave N.W. <p>The waste bins will be separately labeled for garbage, recycling, and compost. The waste bins will be put in place August 27, in coordination with scheduled road closures.</p>

	To ensure that the waste collection trucks can safely navigate this area with all the activity that will be going on, we would like to remind residents who are parking in laneways or near intersections to leave ample room to allow collection trucks the ability to drive through or turn to collect waste carts and dumpsters.
Transporting goods to your home	As requested through our discussion with area residents, wagons will be made available to help transport groceries or other items from vehicles to homes from the temporary parking lot area (corner of 34 th Ave and 86 th St N.W – access is off of 86 Street). Please return them here when you are done using them.
Mail Service	Arrangements have been made with Canada Post to ensure that all mail service continues uninterrupted.
Noise and construction lighting	As requested through our discussion with area residents, we will provide a limited supply of ear plugs and sleep masks to help residents mitigate some of the noise and light impacts at night.
Vibrations	Our construction crews are using fillcrete instead of gravel and asphalt to reduce vibrations that usually take place with compaction in backfilling. They are also monitoring vibration levels and if the vibrations exceed acceptable levels, they will change methods.

HOTEL ACCOMMODATION

If the mitigation efforts above do not sufficiently help and the impacts of construction become too much, The City is willing to provide residents with temporary accommodations in hotels during construction. This offer is being made available to residents who reside on 33rd Avenue NW between 78 Street NW and 87 Street NW.

Please email CBR@calgary.ca to request hotels arrangements.



We are striving to accommodate special requirements where possible, please contact CBR@calgary.ca if a special requirement needs to be shared with the project team.

Project Information or Questions

We will provide regular updates on construction planning, road closures, detours. Sign up for regular updates: Calgary.ca/watermainbreak or by scanning the QR code.



What repair method is The City using?

We will be making the repairs using a reinforced concrete encasement method. This is the type of repair that we completed earlier this summer, reinforcing the existing pipe instead of removing and replacing the pipe.

We will be conducting repairs on 13 pipe segments on 33 Ave N.W. beginning on August 26. Preparation has already begun which includes setting up equipment on site, marking underground utilities and making initial cuts into the road to prepare for excavation, exposing the pipe. There are several stages involved in making these urgent repairs, which we will conduct as quickly and safely as possible, on a 24/7 schedule. Below is more information on the schedule of each site and the stages required to complete the repair.

Stage 1: Excavation

Stage 2: Encasement of the feeder main



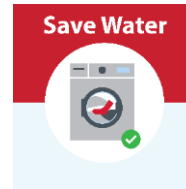
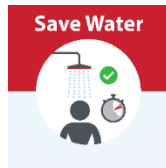
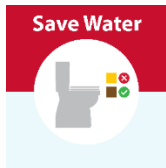
Stage 3: Curing

Stage 4 – Form removal

Stage 5 – Backfilling & Road paving

Top three ways to help save water indoors

When repairs begin on the Bears paw South Feeder Main on August 26, we're asking Calgarians to focus on taking the following three actions that we know make the biggest difference to household water consumption.



1. Reduce toilet flushing. Only flush when needed.
2. Keep showers to three minutes or less.
3. Only run the washing machine and dishwasher with full loads.