

CONSTRUCTION NOTICE

Mill Creek Trunk Rehabilitation Project

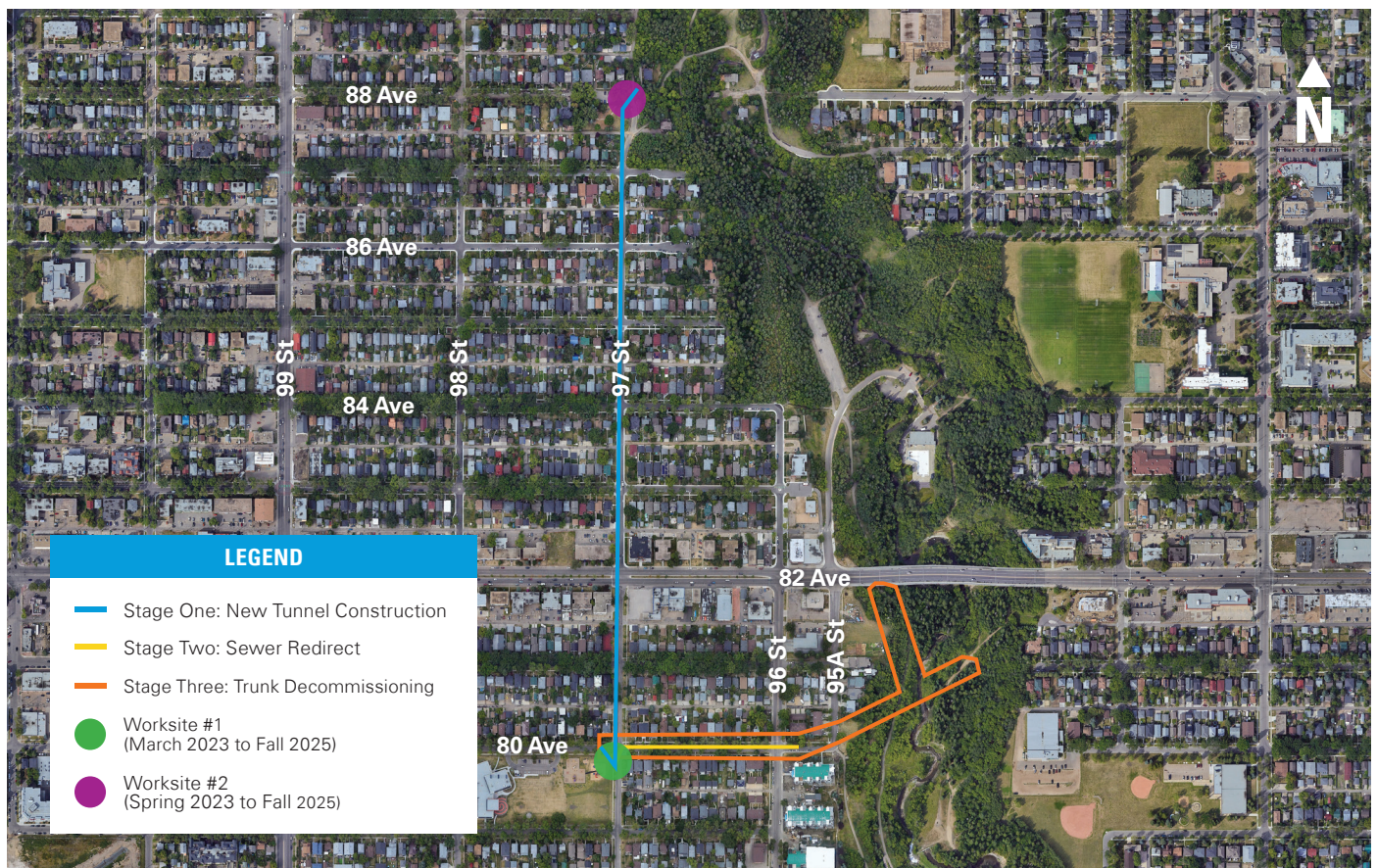
MARCH 2024

PROJECT OVERVIEW

The Mill Creek combined trunks carry wastewater from a large part of south Edmonton towards the Gold Bar Wastewater Treatment Plant, and also convey stormwater and snowmelt from some of Edmonton's older south side neighbourhoods. This line services approximately 58,000 sanitary connections in south Edmonton.

In 2020, crews identified large holes in the trunk, resulting in an emergency repair in Mill Creek Ravine. After further inspection, the trunk was determined to be in poor condition and needs to be replaced to ensure the system continues to work reliably. Once the new trunk has been constructed, a portion of the existing trunk in Mill Creek Ravine will be decommissioned.

OVERALL PROJECT MAP



This project is broken down into three stages of work.

Stage One

March 2023 to Summer 2025

- New tunnel construction along 97 Street and connection to the existing upstream combined trunk at 80 Avenue and downstream trunk at 88 Avenue.

Stage Two

Spring 2025 to Fall 2025

- Redirecting the existing sewer flows on 80 Avenue between 96 Street to 97 Street toward the new tunnel.

Stage Three

Summer 2025 to Spring 2026

- Decommissioning the existing combined trunk from 97 Street to the Mill Creek Ravine.

Further notification will be provided at each stage before work begins and will include details of traffic impacts, timelines and schedule when possible.

Please note, these timelines are estimates and are material procurement/availability, construction conditions and weather.



**SLURRY SEPARATION MACHINE
USED TO MANAGE SOIL**

WHAT'S HAPPENING

The construction of both the working shaft located at Worksite #1 (80 Avenue and 97 Street) and the retrieval shaft located at Worksite #2 (Tubby Bateman Park) are complete. Crews are now preparing the site to begin tunneling work.

The micro-tunnel boring machine (TBM) will be lowered into the working shaft at Worksite #1 and will travel north, underground along 97 street. Once the TBM has reached Worksite #2, it will be removed from underground via the retrieval shaft.

Micro-tunneling is a method used to construct new drainage tunnels. The TBM grinds through soil and rocks underground along the alignment of the new tunnel. Pipe is then pushed behind the micro-tunneling machine to create the new tunnel.

The TBM uses pressure to move forward and tunnel underground and a delayed stoppage could result in a situation where the TBM gets stuck and is unable to move forward. **As such, 24 hours a day, 7 days a week (24/7) tunneling work is required to reduce this risk.**

Worksite #1 (80 Avenue and 97 Street) will be used to manage the excavated soil slurry and separate the water for re-use with the slurry separation machine that is onsite.

Following the completion of tunneling from Worksite #1 to Worksite #2, the TBM will be extracted from underground. The TBM retrieval shaft at Worksite #2 will then be converted into a manhole and connected to the new tunnel. The manhole will provide access for future maintenance of the tunnel.

Residents may experience general noise from the construction and equipment used for material delivery, excavation, soil removal and surface restoration.

SCHEDULE

Tunneling is anticipated to begin the week of **March 25, 2024** and is anticipated to take **three to four months** to complete.

Worksite #1 (80 Avenue & 97 Street)

Once the new tunnel has been constructed, crews will begin converting the existing shaft at Worksite #1 into a manhole and preparing the connection point to the existing trunk. The manhole construction is anticipated to take **eight months** to complete.



TUNNEL BORING MACHINE

Stage Two will begin once Stage One work is complete. During Stage Two, crews will redirect the connecting sewer lines on 80 Avenue to the new tunnel.

More information will be provided to residents prior to Stage Two beginning.

Worksite #2 (Tubby Bateman Park)

Once the new tunnel has been constructed, crews will begin converting the existing shaft at Worksite #2 into a manhole and prepare the connection point to the existing trunk. The manhole construction is anticipated to take **six months** to complete.

All affected landscaping, pavements, curb and gutter, and sidewalks will be restored to their original condition. Landscaping restorations at Worksite #2 will be completed once construction is complete and are anticipated to be completed in **summer 2025**.

HOURS OF OPERATION

Typical hours of construction will be from **7:00 a.m. to 7:00 p.m., Monday to Saturday**. If required, these hours may be extended and construction may occur on Sundays from 9:00am to 5:00pm. **During tunneling, the tunnel boring machine will be running 24/7.**

EPCOR will work to manage noise associated with the construction. We will work to ensure that construction is completed within the requirements of the City of Edmonton Noise Bylaw.

SAFETY

The work area will be fenced and marked as a restricted area. We will take every precaution to ensure public safety. We also need your assistance in keeping children and pets a safe distance from the construction sites and the equipment.

We thank you for your patience and understanding as we continue this essential work for the community.

STAYING CONNECTED

EPCOR is committed to staying connected with you throughout the project. As different stages take place, community members will receive construction notices and project updates, and information will be available on the website.

Updated project information is also available at epcor.com/millcreek. As the project progresses, further notice will be provided to residents next to the work sites before work begins and will include details on traffic impacts, timelines and schedule where possible.

BOOK A FREE FLOOD PREVENTION INSPECTION

Drainage systems in many Edmonton neighbourhoods are being improved to reduce the risk of flooding. Maintaining good drainage on your residential property is an important part of the flood prevention equation.

EPCOR can help you minimize the risk of flooding on your property from a heavy rain fall event. Book a free inspection with one of our flood prevention advisors to help identify individual property risks and recommendations to mitigate those risks. A subsidy for a backwater valve, which helps to protect your home from a sewer line back up, is also available.



Book online!

Book a free flood prevention inspection with one of our

advisors online.

Contact us at floodprevention@epcor.com or visit epcor.com/floodprevention to learn more.



MORE INFORMATION

EPCOR Water Services

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