

PROJECT UPDATE

Mill Creek Trunk Rehabilitation Project DECEMBER 2023

PROJECT OVERVIEW

The Mill Creek Combined Sewer Trunk line conveys wastewater from south Edmonton to the Gold Bar Wastewater Treatment Plant, and also conveys rainwater and snowmelt from some of Edmonton’s older south side neighborhoods. This line services approximately 58,000 customers in south Edmonton.

In 2020, crews identified large holes in the trunk, resulting in an emergency repair in Mill Creek Ravine. Further inspections were completed to evaluate the remainder of the trunk’s condition. Due to the poor condition and location of the line, a replacement trunk is needed to ensure the system continues to reliably meet the needs of the City of Edmonton. The new trunk will also reduce impacts to Mill Creek Ravine. Once the new trunk has been constructed, a portion of the existing trunk in Mill Creek Ravine will be decommissioned.

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

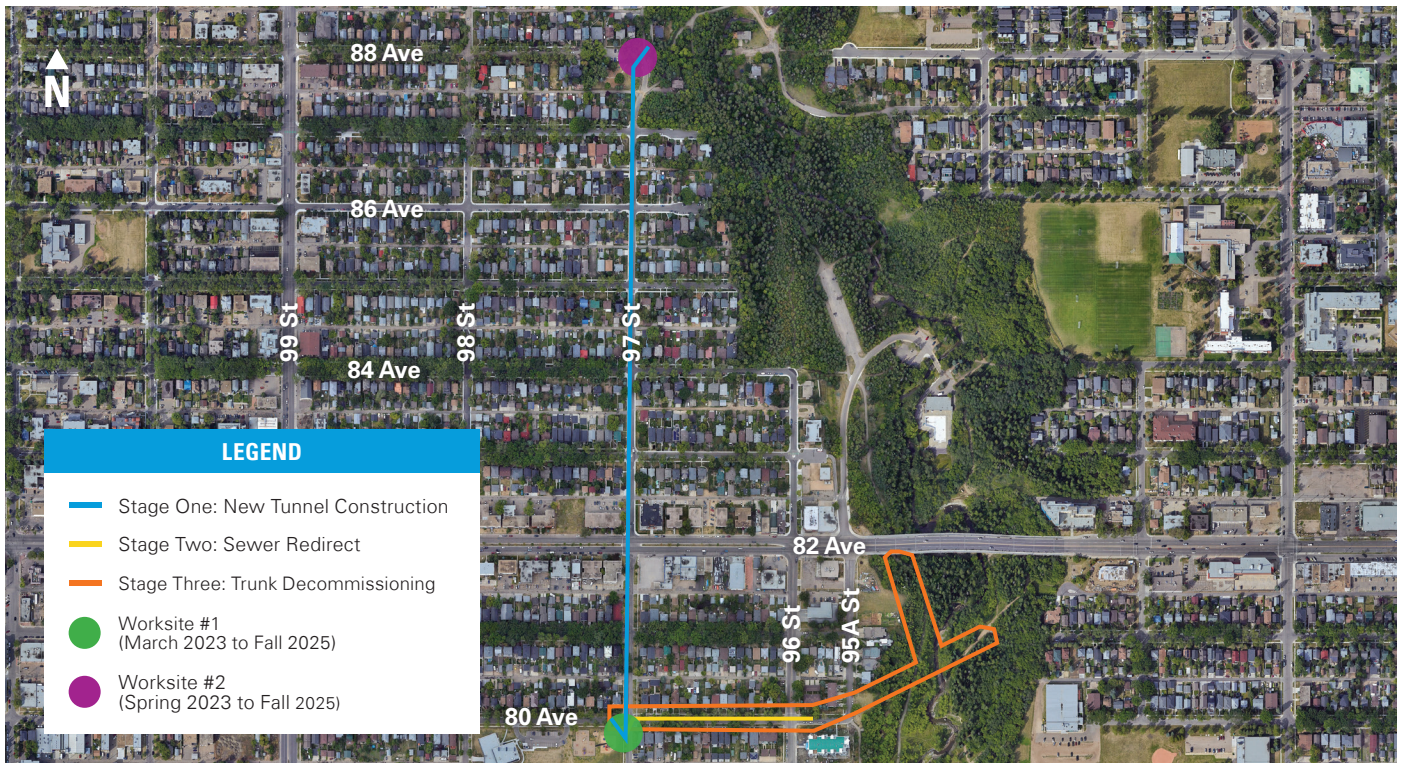
Spring 2025 to Fall 2025

- 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.





ART HOARDING AT MILL CREEK SCHOOL

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 pending approvals, material procurement/availability, construction conditions and weather.

PROGRESS UPDATE

Worksite #1 (Mill Creek School)

Crews mobilized to Worksite #1 at Mill Creek School on **March 20, 2023** to begin the construction of the entry shaft for the tunnel boring machine. Fences and a temporary path have been installed around the worksite. Crews have completed the installation of concrete piles inside the working shaft and are continuing to excavate the shaft to the required depth.

The excavation of the working shaft is progressing more slowly than anticipated and, in order to maintain the construction schedule so that tunneling work can begin on time, crews will also be performing work on Sundays from 9:00am to 5:00pm at Worksite #1 until the shaft construction is complete. The additional time will allow crews to complete the required work in advance of the tunnel boring machine and other equipment arriving on site.

The construction of the entry shaft for the tunnel boring machine is anticipated to be completed in **late January 2024**.

Once the working shaft has been completed, crews will begin the tunneling portion of the work from Worksite #1 to Worksite #2.

MILL CREEK SCHOOL ART CONTEST

In May 2023, EPCOR hosted an art contest for students of Mill Creek School to help decorate the construction fencing at Worksite #1.

Submissions were accepted in four categories: Kindergarten, Grades 1 and 2, Grades 3 and 4, and Grades 5 and 6. The winner of each category had their artwork printed on a large canvas at the worksite and received a prize.

Students were asked the following: Through art, demonstrate what community means to you. The winners of the contest were selected by a committee of members from Mill Creek School, EPCOR and the contractor. There were over 100 submissions, and artwork was judged by how well the piece demonstrated a community-oriented theme.

The art hoarding was installed onsite at Mill Creek School in August 2023. A second set of the art hoarding panels was installed at the Tubby Bateman Park worksite.

Worksite #2 (Tubby Bateman Park)

The construction of the retrieval shaft for the tunnel boring machine is now complete. Crews will be performing hand tunneling work to prepare the connection point from the shaft to the trunk line underneath 88 Avenue.

Once the new sanitary tunnel has been completed using the tunnel boring machine, the retrieval shaft in Tubby Bateman Park shaft will be converted into a manhole for future maintenance access into the tunnel.

Residents may notice reduced activities on site while work continues at Worksite #1 to prepare for tunneling.

SCHEDULE

Tunneling work to construct the new sanitary trunk will begin once both shafts have been completed and is anticipated to begin in **March 2024**.

Crews will utilize a tunnel boring machine to travel north underneath 97 Street until it reaches the retrieval shaft in Tubby Bateman Park. A large machine used to manage soil removal will also be on site at Worksite #1.

Upon completion of the Stage One tunneling work, crews will convert the retrieval shaft into a manhole for

future maintenance access. Crews will then demobilize from Tubby Bateman Park and will restore the area to its original condition. It is anticipated that landscaping restoration will be completed in **Summer 2025**.

Additional information will be provided to impacted residents prior to the start of the tunneling work.

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

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.**

The hours of operation at Worksite #1 have been extended to include work on Sundays until the working shaft has been completed.

EPCOR will do everything possible 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.

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 notification will be provided to residents adjacent to the work sites before work begins and will include details on traffic impacts, timelines and schedule.



SHAFT EXCAVATION AT WORKSITE #1

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 Drainage Services

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