

CONSTRUCTION NOTICE

Duggan Tunnel Replacement Project

APRIL 2023

PROJECT OVERVIEW

Having safe, reliable utility services is a critical part of day-to-day life in the community. With this in mind, EPCOR is sharing an important update on an essential project in your area.

The existing Duggan sanitary tunnel provides service to neighbourhoods in southwest Edmonton and has been identified for replacement. This will see construction of a new sanitary tunnel to service neighbourhoods from Steinhauer up to Bonnie Doon.

The alignment of the new tunnel is along 111 Street from Saddleback Road/29A Avenue, east along 34 Avenue, and then north on 106 Street to north of L.Y. Cairns School.

EPCOR is aware of consistent sewer odour issues in several neighbourhoods along the alignment of the Duggan Tunnel, particularly in Steinhauer. This project is part of EPCOR's Corrosion and Odour Reduction Strategy (CORe). The strategy aims to understand and mitigate sewer odour issues and will result in significantly reduced sewer odour city-wide by 2031. With completion of the new tunnel, we expect the major cause of how odour is formed and pushed out into the communities to be notably diminished.

The majority of the work will be underground using a tunnel boring machine (TBM). However, there will be multiple work sites (shaft locations) along the tunnel alignment to allow the TBM to be lowered underground to excavate, turn corners, and be removed when tunneling is complete.

This project is broken down geographically into five zones which follow the alignment of the new tunnel:

- **Zone A** – 111 Street from Saddleback Road/29A Avenue to 34 Avenue
- **Zone B** – 34 Avenue from 111 Street to 106 Street
- **Zone C** – 106 Street from 36A Avenue to 38 Avenue
- **Zone D** – 106 Street from 40 Avenue to Whitemud
- **Zone E** – 106 Street and 45 Avenue to L.Y. Cairns

Construction has begun at 34 Avenue, between 111 Street and 106 Street (Worksite #3) and is anticipated to be completed by **Summer 2024**.

WHAT'S HAPPENING

Construction in green space east of 111 Street and south of 34 Avenue (Worksite #2) is expected to begin on **April 19, 2023** and is anticipated to be completed by **Spring 2024**.

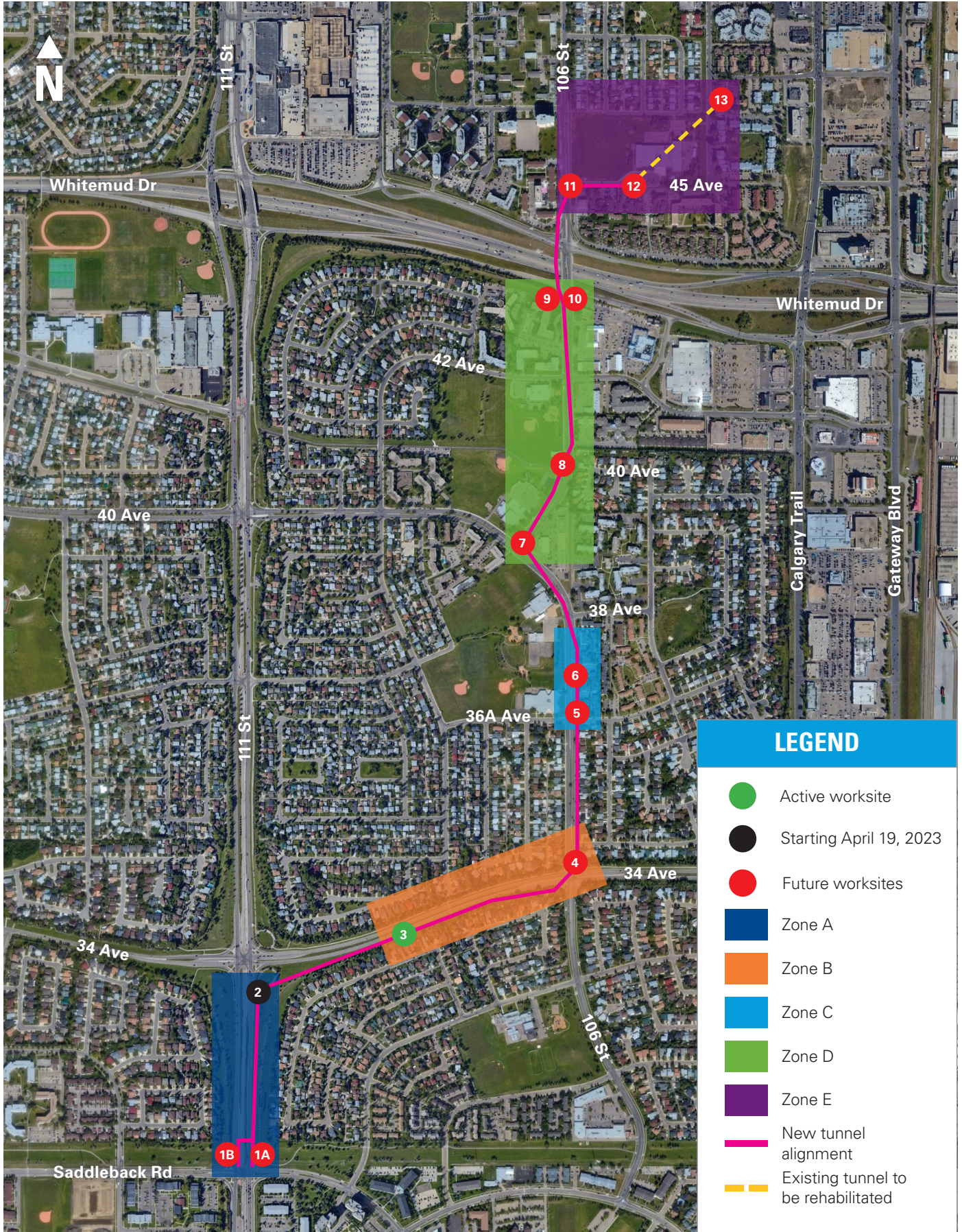
Please note, timelines are estimates and may change based on work progress, material procurement, unforeseen delays, weather and construction conditions.

SCHEDULE

Regular working hours are **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.

24-hours-a-day, 7-days-a-week (24/7) tunneling work is required at Worksite #2 once the shaft has been constructed. Residents and businesses in the area of the work will be notified before this activity begins.

OVERALL PROJECT AREA



MAP OF WORKSITE #2 IN THE GREEN SPACE EAST OF 111 STREET AND SOUTH OF 34 AVENUE

Construction is expected to begin on **April 19, 2023** and is anticipated to be completed by **Spring 2024**. *Timelines are estimates and may change based on work progress, material procurement, unforeseen delays, weather and construction conditions.*



IMPACTS

- A portion of the green space on the southeast corner of 111 Street and 34 Avenue will be utilized as a work area. The area will be fully fenced and secured.
- Trucks and equipment will access the worksite from 111 Street. Temporary lane and trail closures may be in effect during these times.

SAFETY

The construction area will be fenced and/or marked as a restricted area. We will take every precaution to ensure public safety, and we request your assistance in keeping children and pets a safe distance from the construction site and the equipment.

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

FUTURE WORKSITES

The following locations will be used as future tunneling worksites.

Please note: While the upcoming worksite references may seem out of order, they are being provided based on order of timing for work.

More information, including traffic impacts and timelines, will be shared with residents adjacent to the work areas in a construction notice prior to work starting.

Zone A: 111 Street from Saddleback Road/ 29A Avenue to 34 Avenue

- **Worksite #1A** – Westbound on 29A Avenue and east of 111 Street
 - Construction of the TBM retrieval shaft is anticipated to start in June 2023 with completion in Spring 2024.
- **Worksite #1B** – 111 Street southbound, left turn lane onto 29A Avenue
 - Construction of the TBM retrieval shaft is anticipated to start in Fall 2023 with completion in Summer 2024.

Zone B: 34 Avenue from 111 Street to 106 Street

- **Worksite #4** – Northbound on 106 Street and north of 34 Avenue
 - Construction of the TBM retrieval shaft is anticipated to start in May 2023 with completion in Spring 2024.
 - Once shaft construction is complete, the TBM will be retrieved following a tunneling run from Worksite #3.

Zone C: 106 Street from 36A Avenue to 38 Avenue

- **Worksite #5** – Intersection of 106 Street and 36A Avenue
 - Construction of the TBM entry shaft is anticipated to start in Summer 2023 with completion in Spring 2024.
- **Worksite #6** – Northbound on 106 Street and north of 36A Avenue
 - Construction of the TBM retrieval shaft is anticipated to start in Summer 2023 with completion in Spring 2024.

Zone D: 106 Street from 40 Avenue to Whitemud Drive

- **Worksite #7** – Intersection of 106 Street and 40 Avenue
 - Construction of the TBM retrieval shaft is anticipated to start in Summer 2023 with completion in Spring 2024.
- **Worksite #8** – Southbound on 106 Street and south of 41 Avenue
 - Construction of the TBM entry shaft is anticipated to start in Summer 2023 with completion in Summer 2024.
- **Worksite #9** – Southbound on 106 Street and south of Whitemud Drive
 - Construction of the TBM retrieval shaft is anticipated to start in Fall 2023 with completion in Summer 2024.
- **Worksite #10** – Northbound on 106 Street and south of Whitemud Drive
 - Construction of the TBM retrieval shaft is anticipated to start in early 2024 with completion in Summer 2024.

Zone E: 106 Street and 45 Avenue to L.Y. Cairns

- **Worksite #11** – Intersection of 45 Avenue and 106 Street
 - Construction of the TBM entry shaft is anticipated to start in Fall 2023 with completion in Summer 2024.
- **Worksite #12** – 45 Avenue east of 106 Street
 - Construction of the TBM retrieval shaft is anticipated to start in Fall 2023 with completion in Fall 2024.
- **Worksite #13** – 104A Street north of 45 Avenue
 - Construction to rehabilitate the existing tunnel is anticipated to start in early 2024 with completion in Fall 2024.

Please note, timelines are estimates and may change based on work progress, material procurement, unforeseen delays, weather and construction conditions.

MORE INFORMATION

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