

CONSTRUCTION NOTICE

Duggan Tunnel Replacement Project

MAY 2023

PROJECT OVERVIEW

EPCOR is responsible for the maintenance of the drainage infrastructure in Edmonton. As the infrastructure ages, it deteriorates in many different ways. The current Duggan sanitary tunnel provides service to neighbourhoods in southwest Edmonton and has been identified for replacement. This will see construction of a new sanitary sewer 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 are 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 Drive
- **Zone E** – 106 Street and 45 Avenue to L.Y. Cairns

Construction is currently underway at multiple worksite locations in Zone B. Construction at Worksites #5 and #6 in Zone C is scheduled to begin in **late May 2023**. For information on these worksites, please visit epcor.com/duggan.

WHAT'S HAPPENING

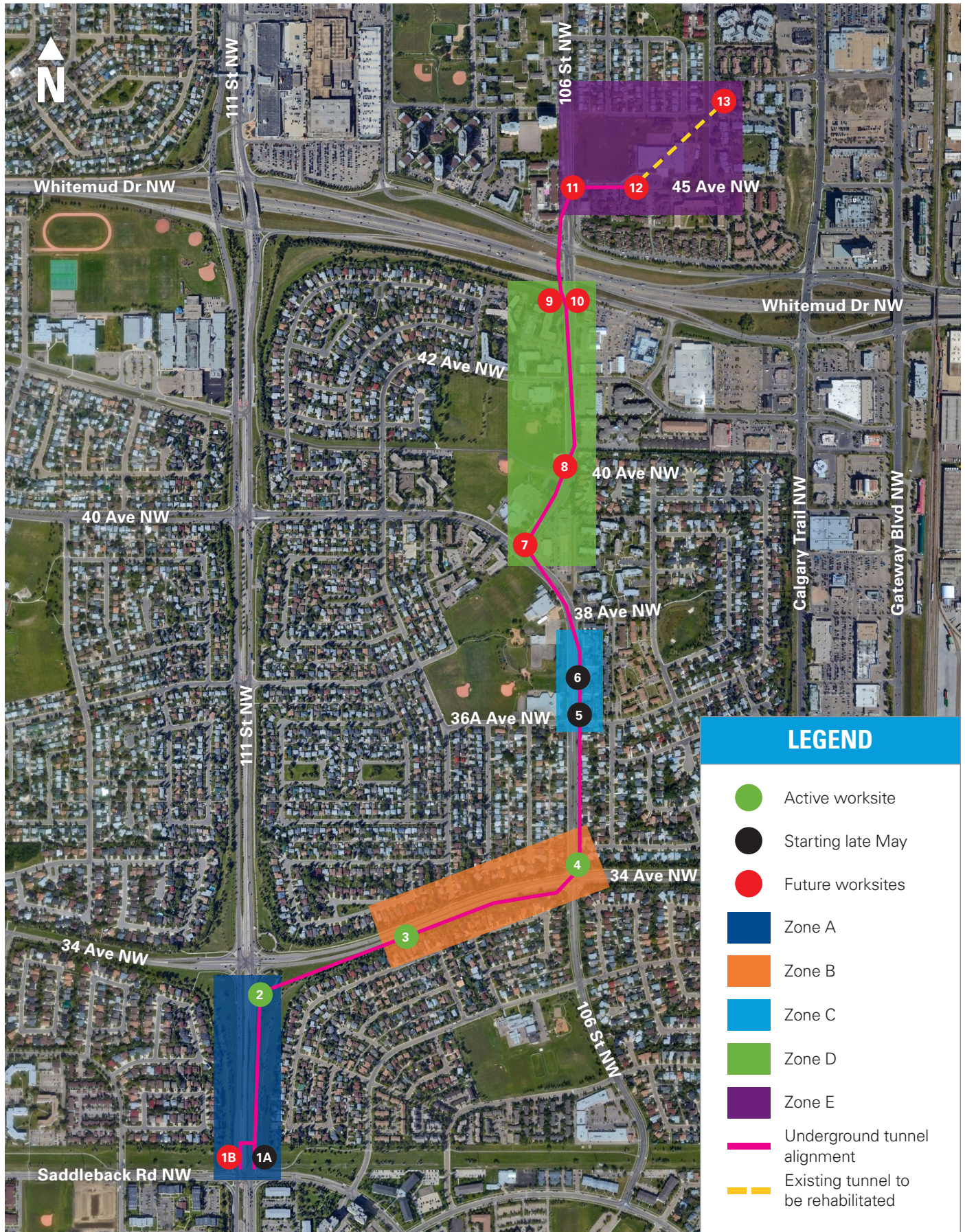
Construction westbound on 29A Avenue and east of 111 Street (Worksite #1A) in Zone A is expected to begin in **late May 2023**. It is anticipated that construction at this site will be completed by **summer 2024**.

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

SCHEDULE

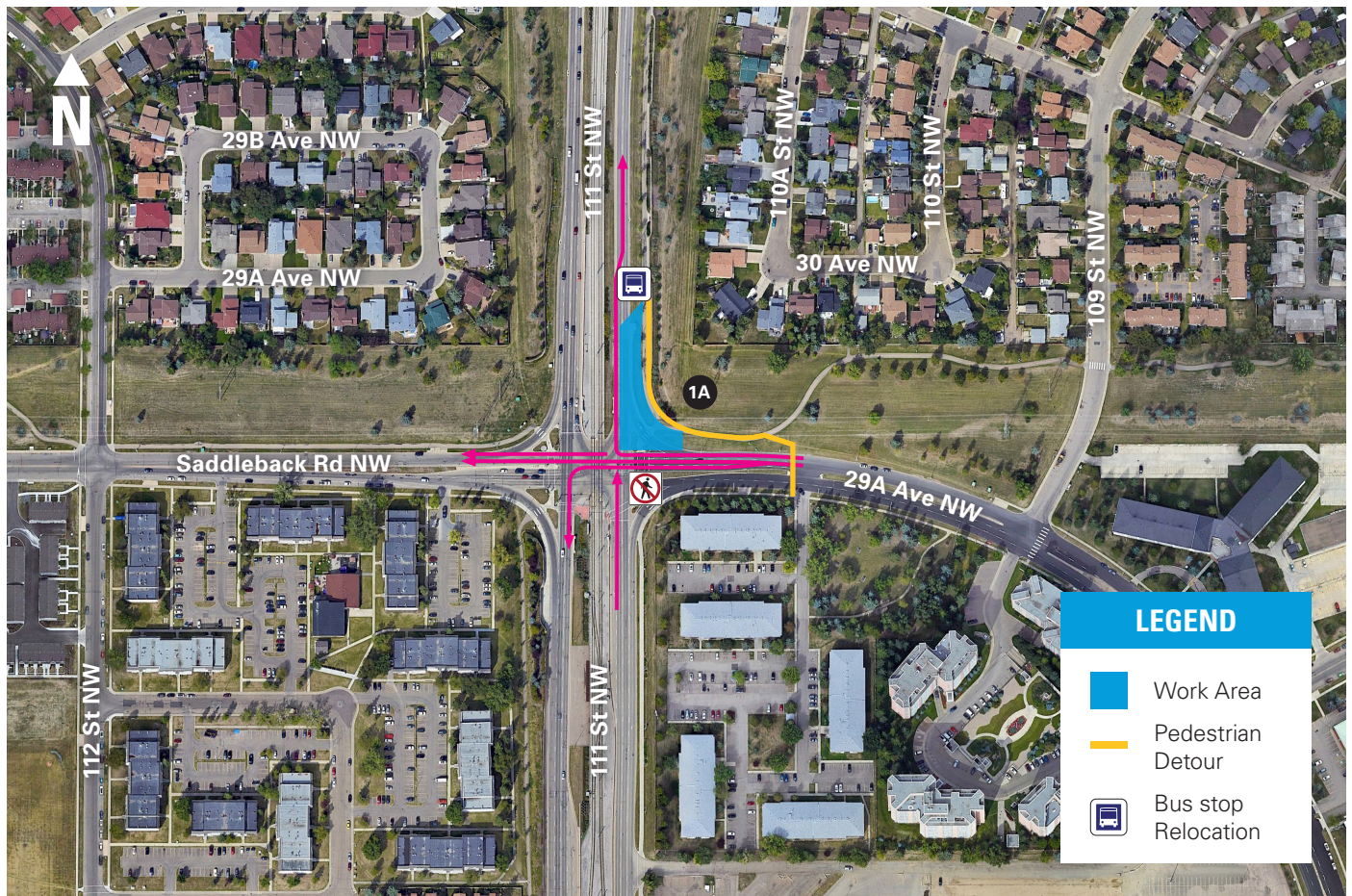
Regular working hours will be **7:00 a.m. to 7:00 p.m. Monday to Saturday**. If required, these hours may be extended, and construction may occur on **Sundays from 9:00 a.m. to 5:00 p.m.**

OVERALL PROJECT AREA



MAP OF WORKSITE #1A

Construction at Worksite #1A is expected to begin in **late May 2023** and is anticipated to be completed in **summer 2024**. Please note, timelines are estimates and may change based on work progress, material procurement, unforeseen delays, weather and construction conditions.



TRAFFIC IMPACTS

- One northbound lane on 111 Street, north of Saddleback Road/29A Avenue will be closed.
- The right hand turning lane from westbound 29A Avenue onto northbound 111 Street will be closed. Vehicles will be able to turn right, onto the left northbound lane from the intersection.

PEDESTRIAN IMPACTS

- The sidewalk on the east side of 111 Street north of 29A Avenue will be closed. A temporary asphalt sidewalk will be constructed east of the worksite for pedestrian access.
- No crossing will be permitted across 29A Avenue on the east side of 111 Street. A temporary crosswalk across 29A Avenue further east of 111 Street will be constructed to allow crossing.

OTHER IMPACTS

- Bus stop #4582 will be relocated on the east side of 111 Street to north of the work area.

ACTIVE WORKSITES

The following worksites are currently underway.

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

- **Worksite #2** – In the green space east of 111 Street and south of 34 Avenue
 - Construction of the TBM entry and retrieval shaft began in April 2023 with completion expected in Summer 2024.
 - Once the shaft construction is complete, the TBM will be retrieved following a tunneling run from Worksite #3.
 - the first tunneling drive is complete, tunneling from Worksite #2 to Worksite #1A will begin.

Zone B: 34 Avenue from 111 Street to 106 Street

- **Worksite #3** – Eastbound on 34 Avenue, between 111 Street and 106 Street
 - Construction of the TBM entry shaft began in March 2023 with completion expected in Summer 2024.
 - Once the shaft construction is complete, tunneling will begin to Worksite #2, followed by Worksite #4.
- **Worksite #4** – Northbound on 106 Street and north of 34 Avenue
 - Construction of the TBM retrieval shaft began in April 2023 with completion expected in Summer 2024.
 - Once shaft construction is complete, the TBM will be retrieved following a tunneling run from Worksite #3.

MORE INFORMATION

EPCOR Drainage Services

Phone: (780) 509-8080

E-mail: epcordrainage@epcor.com

Website: epcor.com/duggan

FUTURE WORKSITES

The following locations will be used as future tunneling worksites.

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 #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 fall 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 summer 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 fall 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 fall 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.

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 necessary work.