

# CONSTRUCTION NOTICE

## Duggan Tunnel Replacement Project

**AUGUST 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 (CORA). 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 has begun in Zones A, B, C and D at Worksites #1A, #2, #3, #4, #5, #6, #7 and #8.

### WHAT'S HAPPENING

Construction will begin northbound on 106 Street south of Whitemud Drive (Worksite #10) in **early September 2023**. Construction will begin southbound on 106 Street and south of Whitemud Drive (Worksite #9) in **early October 2023**. It is anticipated that construction at both worksites will be completed by **fall 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 9:00 a.m. to 5:00 p.m.**

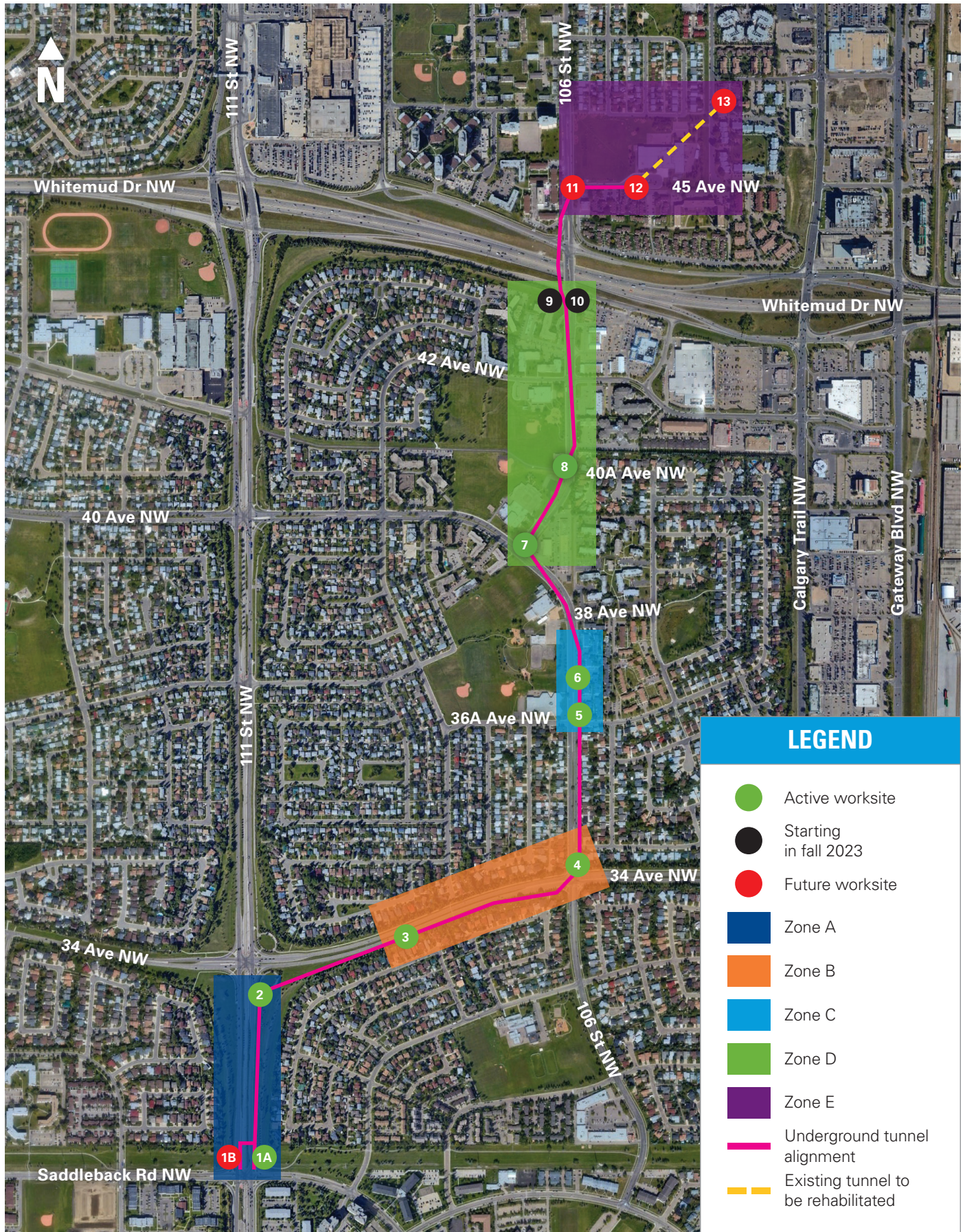
### SAFETY

The construction areas will be fenced and/or marked as restricted areas. 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.



# OVERALL PROJECT AREA



## LEGEND

- Active worksite
- Starting in fall 2023
- Future worksite
- Zone A
- Zone B
- Zone C
- Zone D
- Zone E
- Underground tunnel alignment
- Existing tunnel to be rehabilitated



## MAP OF WORKSITE #9 AND #10

Construction at Worksite #10 is scheduled to begin in **early September 2023**. Construction at Worksite #9 is scheduled to begin in **early October 2023**. It is anticipated that construction at both worksites will be completed by **fall 2024**. *Timelines are estimates and may change based on weather and construction conditions.*



## TRAFFIC IMPACTS

- Two southbound lanes on 106 Street south of Whitemud Drive will be closed. One lane will remain open for southbound traffic.
- The northbound right turn lane onto eastbound Whitemud Drive will be closed. Vehicles will be able to turn at the intersection
- No left hand turns will be permitted from southbound 106 Street into the Whitemud Crossing entrance south of Whitemud Drive.
- The entrance/exit of Whitemud Crossing south of Whitemud Drive will be closed.
- No right hand turns will be permitted from southbound 106 Street into the Southbury House entrance south of Whitemud Drive.

## PEDESTRIAN IMPACTS

- The sidewalk on the west side of 106 Street between 42 Avenue and Whitemud Drive will be closed. Pedestrians will be detoured to the east side.
- The sidewalk on the east side of 106 Street between 42 Avenue and Whitemud Drive will be reduced in size near the work area.

## ACTIVE WORKSITES

The following worksites are currently underway.

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

- **Worksite #1A** – Westbound on 29A Avenue and east of 111 Street
  - Construction began in May 2023 with completion expected in summer 2024.
- **Worksite #2** – In the green space east of 111 Street and south of 34 Avenue
  - Construction began in April 2023 with completion expected in summer 2024.

### Zone B: 34 Avenue from 111 Street to 106 Street

- **Worksite #3** – Eastbound on 34 Avenue, between 111 Street and 106 Street
  - Construction began in March 2023 with completion expected in summer 2024.
- **Worksite #4** – Northbound on 106 Street and north of 34 Avenue
  - Construction began in April 2023 with completion expected in summer 2024.

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

- **Worksite #5** – Intersection of 106 Street and 36A Avenue
  - Construction began in May 2023 with completion expected in summer 2024.
- **Worksite #6** – Northbound on 106 Street and north of 36A Avenue
  - Construction began in May 2023 with completion expected in summer 2024.

### Zone D: 106 Street from 40 Avenue to Whitemud Drive

- **Worksite #7** – Intersection of 106 Street and 40 Avenue
  - Construction began in July 2023 with completion expected in fall 2024.
- **Worksite #8** – Southbound on 106 Street and south of 41 Avenue
  - Construction began in late summer 2023 with completion expected in fall 2024.

## MORE INFORMATION

### EPCOR Water Services

**Phone:** (780) 509-8080

**E-mail:** [epcordrainage@epcor.com](mailto:epcordrainage@epcor.com)

**Website:** [epcor.com/duggan](http://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 is anticipated to start in fall 2023 with completion in fall 2024.

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

- **Worksite #11** – Intersection of 45 Avenue and 106 Street
  - Construction is anticipated to start in fall 2023 with completion in fall 2024.
- **Worksite #12** – 45 Avenue east of 106 Street
  - Construction is anticipated to start in fall 2023 with completion in fall 2024.
- **Worksite #13** – 104A Street north of 45 Avenue
  - Construction is anticipated to start in early 2024 with completion in fall 2024.

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