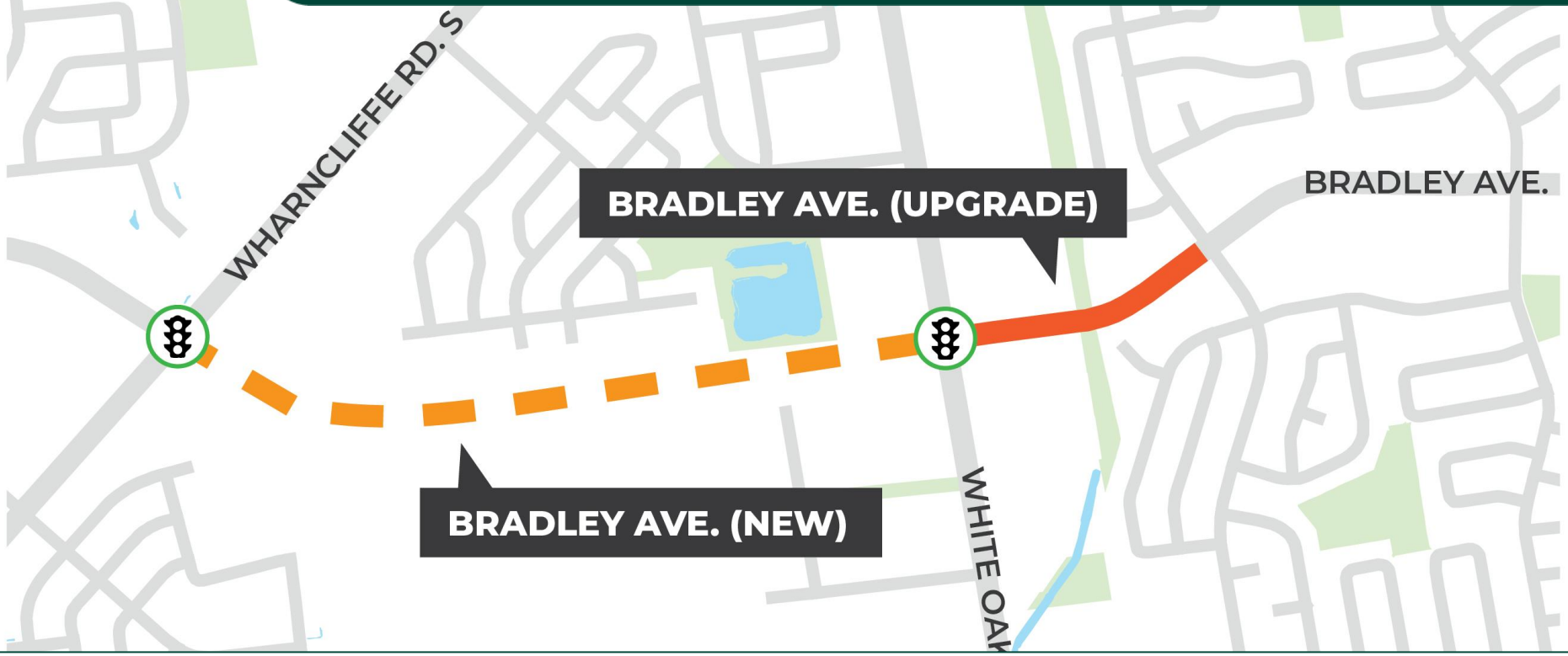
Bradley Avenue Extension



Public Update Meeting:

Virtual Meeting: October 30, 2024, from 12 PM to 1 PM

In-person Drop-in Session: November 7, 2024, from 6 PM to 8 PM South London Community Centre

Land Acknowledgement

The City of London is situated on the traditional lands of the Anishinaabek, Haudenosaunee, Lūnaapéewak and Attawandaron.

We honour and respect the history, languages and culture of the diverse Indigenous people who call this territory home.

The City of London is currently home to many First Nations, Metis and Inuit people today. As representatives of the people of the City of London, we are grateful to have the opportunity to work and live in this territory.

Meeting Format



Please use **Q & A button** to ask a question or to let us know about any technical difficulties. Questions will be answered after the presentation.



This meeting is being recorded and will be posted online at **https://getinvolved.london.ca/bradley-ave**.

Project Team

City of London	WSP Canada Inc.
Andrew Denomme, P.Eng. Transportation Design Engineer / Program Manager	**Felix Wong, P.Eng.** Consultant Project Manager / Senior Transportation Engineer
Jiten Patel, C.E.T Transportation Technologist II / Project Manager	**Mir Ahsan Talpur, RPP, MCIP** Senior Environmental Planner
Max Kireev, C.E.T Construction Project Manager	**Steve Chipps, P.Eng.** Principal Water Resources Engineer

Purpose of Public Update Meeting

The City of London is planning to complete improvements to Bradley Avenue from Wharncliffe Road South to Jalna Boulevard.

The City has planned this meeting is to share the following project information with the public:

- Project Overview and Background
- Existing Conditions
- Planned Works
- Next Steps

The City encourages the public to participate in this meeting and ask questions about the project.

Project Overview / Construction Limits

The project includes the following improvements along Bradley Avenue:

A. **New Road Construction:** Construction of a new 4-lane road section of Bradley Avenue from Wharncliffe Road South to White Oak Road

B. **Road Upgrades:** Upgrade of existing Bradley Avenue from 2 to 4 lanes between White Oak Road and the west side of Jalna Boulevard

This project will provide dedicated infrastructure to support multi-modal mobility and development in the area. The project construction will begin in 2025, starting with new road construction first.



Project Background

2005 **Municipal Class Environmental Assessment for Bradley Avenue Extension (White Oak Road to Bostwick Road)** recommended extension of Bradley Avenue with four (4) cross-section, with bicycle facility, localized turning lanes and urbanized with curbs and sidewalks.

2013 **Mobility Transportation Master Plan for London - 2030 Transportation Master Plan: SmartMoves** identified the need to extend and widen Bradley Avenue (Bostwick Road to Jalna Boulevard), to manage continued growth in the City's southwest.

2017 **Construction** of Bradley Avenue between Wonderland Road and Wharncliffe Road.

2018 **Detailed Design and Property Acquisition** for the Bradley Avenue Extension from Wharncliffe Road to Jalna Boulevard were initiated.

2022 **Municipal Class Environmental Assessment Addendum for Bradley Avenue Extension (White Oak Road to Jalna Boulevard)** recommended four (4) lane cross-section, with bicycle facilities, localized turning lanes and urbanized with curbs and sidewalks.

2025 **Planned Tender and Construction** of Bradley Avenue (Wharncliffe Road to Jalna Boulevard).

Bradley Avenue
(Wharncliffe Road South to White Oak Road)

Existing Conditions



Bradley Avenue
(Wharncliffe Road South to White Oak Road)

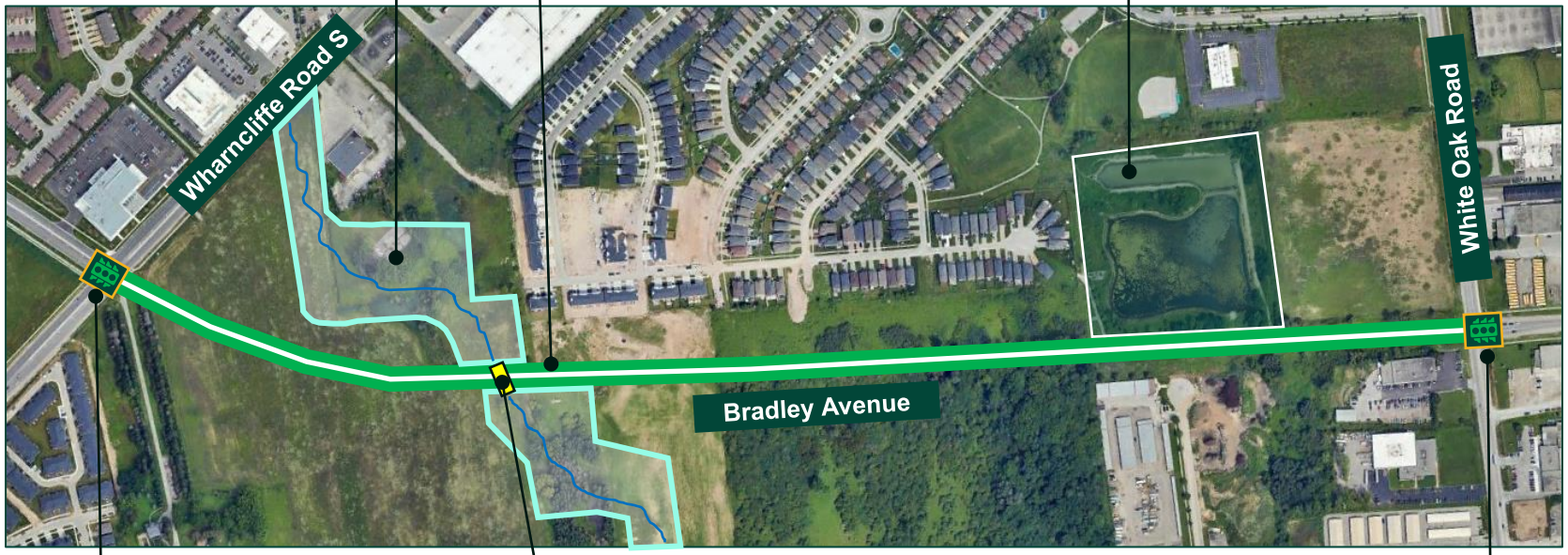
Overview of Planned Works

White Oak Channel Corridor Improvements*

*Designed by others

New 4 Lane Urban Roadway and Underground Infrastructure

Stormwater Management Pond Upgrades



New Traffic Signal

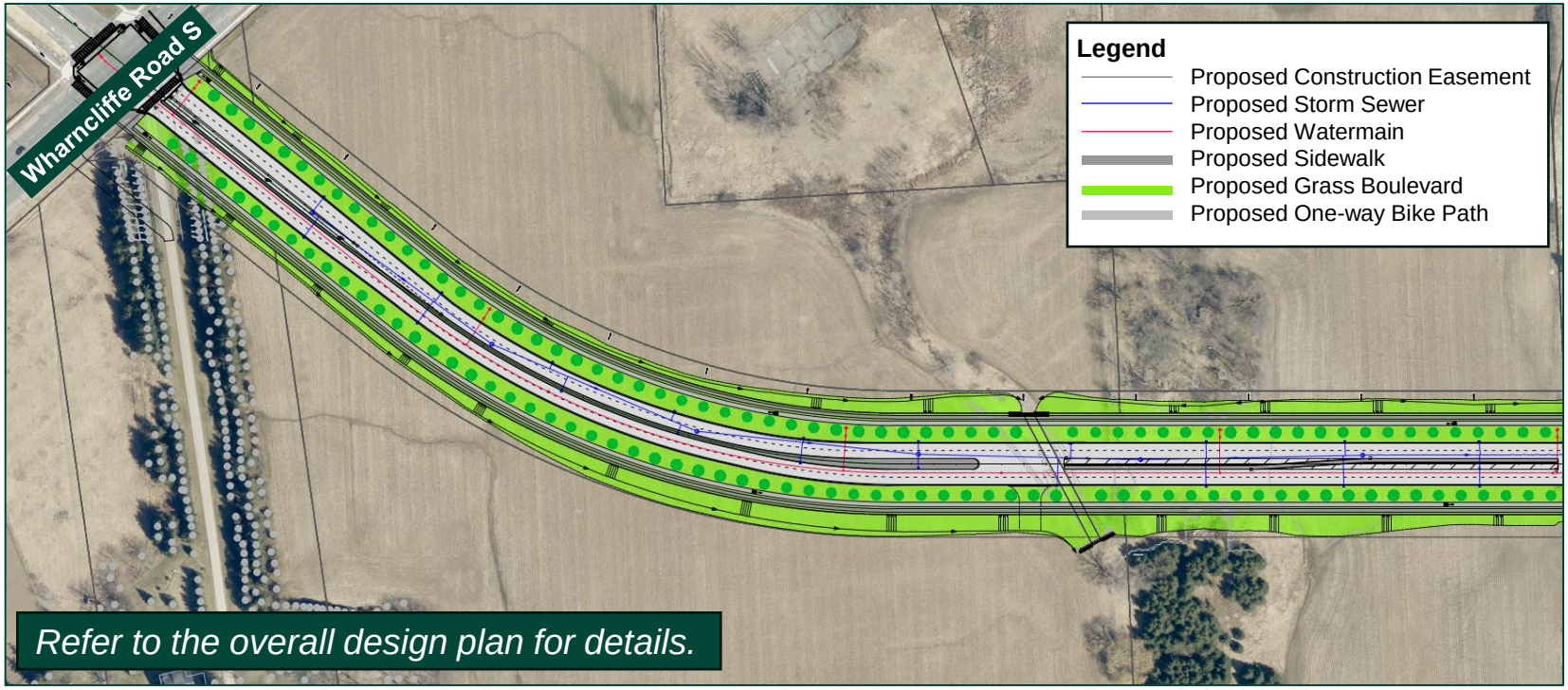
Proposed Culvert

Replace Traffic Signal

Bradley Avenue
(Wharncliffe Road South to White Oak Road)

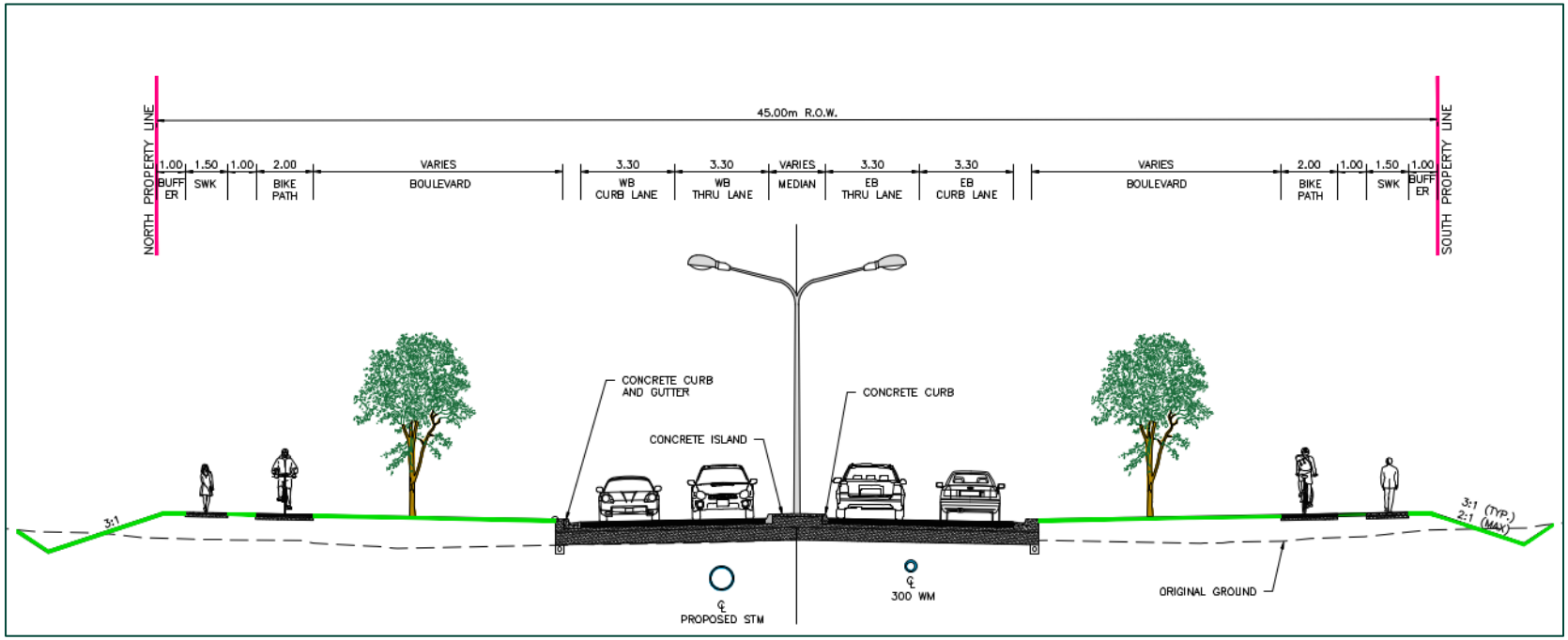
New Road Construction and Underground Infrastructure

Construction of a **NEW** 4-lane urban road with intersection turning lanes, dedicated bike paths, sidewalks, median island, and streetlights. **NEW** Signalized Intersection at Wharncliffe Rd. S.



Bradley Avenue
(Wharncliffe Road South to White Oak Road)

New Road Construction and Underground Infrastructure – Cross-section



Bradley Avenue (Wharncliffe Road South to White Oak Road)

Upgrades to Stormwater Management Pond

- Additional storage volume will be provided by reducing the pond's depth and regrading the east side of the pond.
- Adjusting the outlet structure to handle the new water volume and flow.



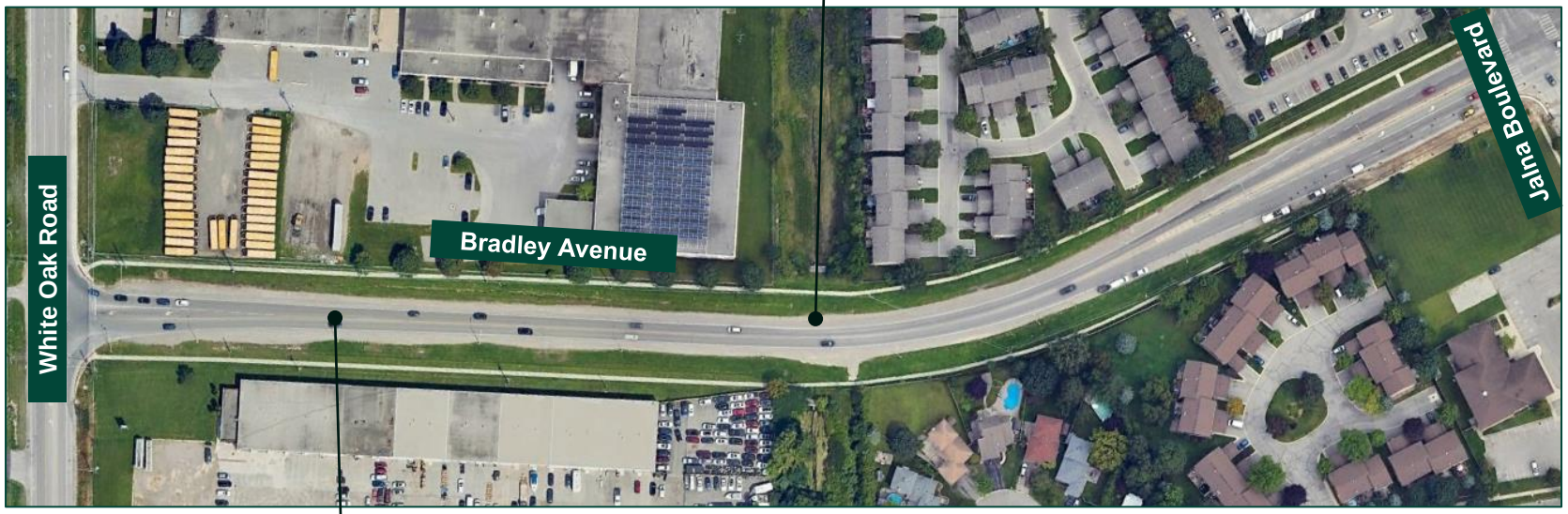
New Culvert Installation and White Oak Channel Complete Corridor Improvements

- New planned naturalized White Oaks channel realignment, from Wharncliffe Rd to Exeter Rd.
- New planned box 4.2 metre span culvert will allow flow conveyance without overtopping the road for major storm events.
- The culvert will allow fish passage upstream of Bradley Avenue within the improved naturalized watercourse.



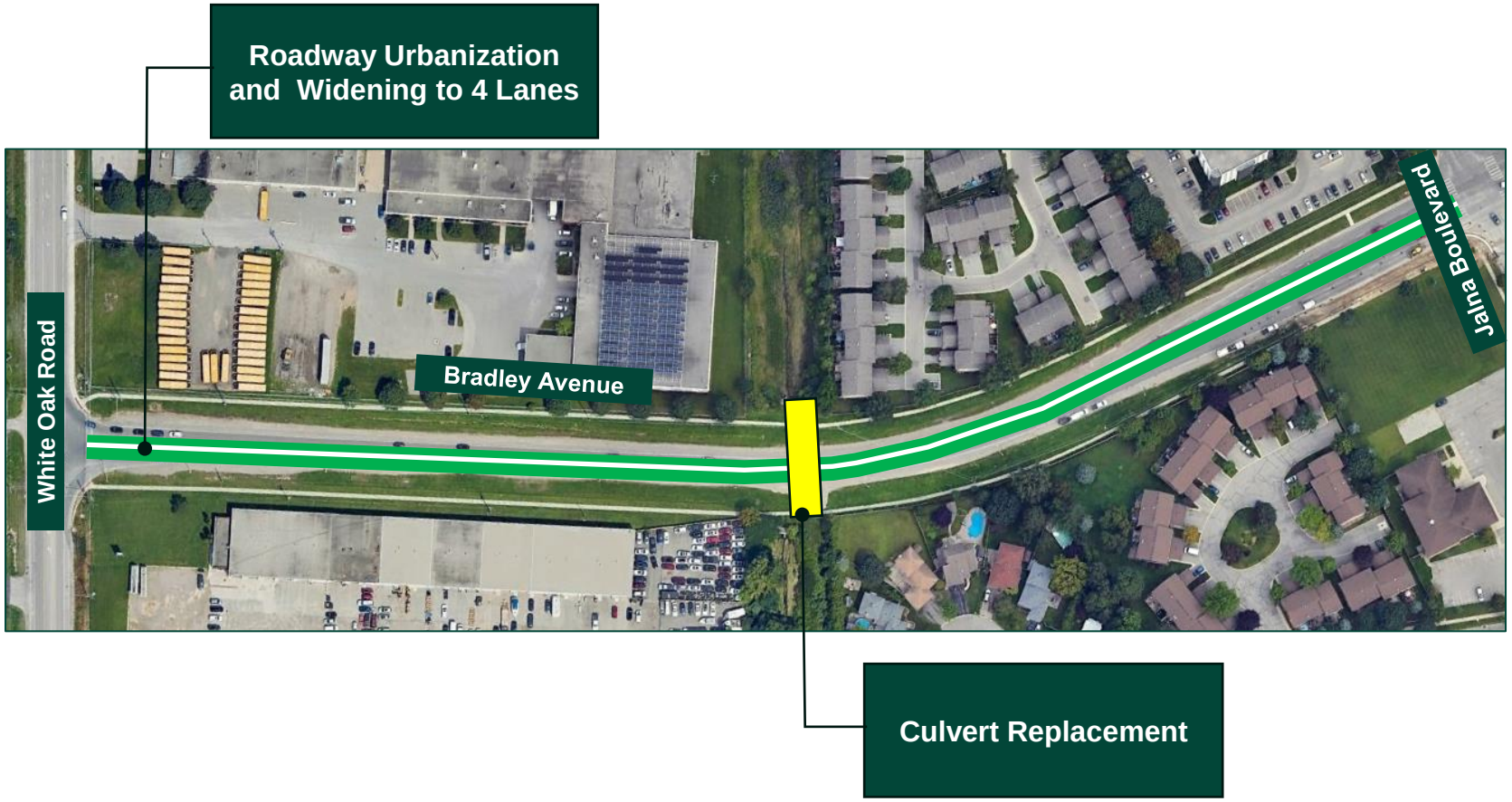
Bradley Avenue
(White Oak Road to Jalna Boulevard)

Existing Conditions



Bradley Avenue
(White Oak Road to Jalna Boulevard)

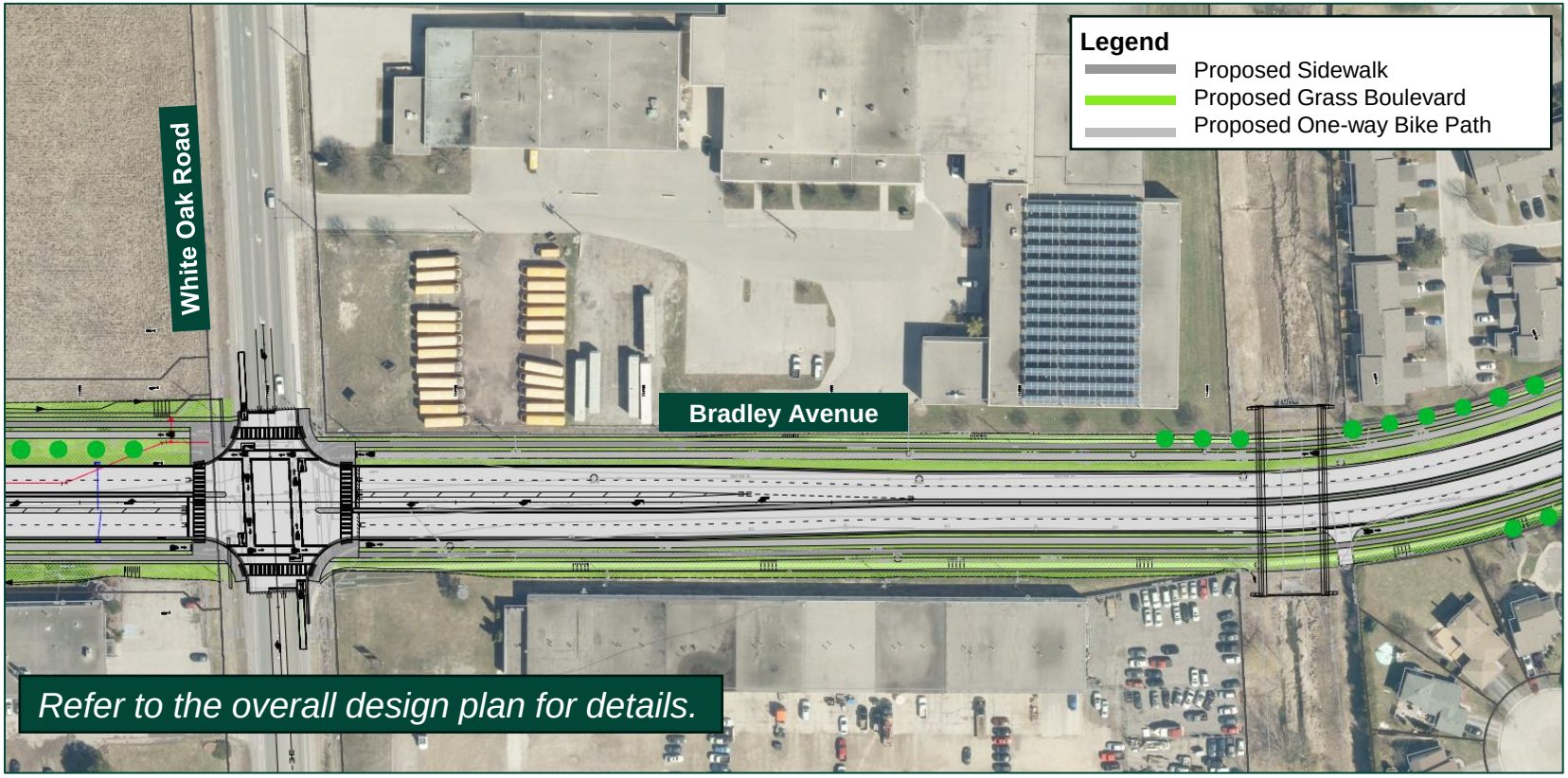
Overview of Planned Works



Bradley Avenue
(White Oak Road to Jalna Boulevard)

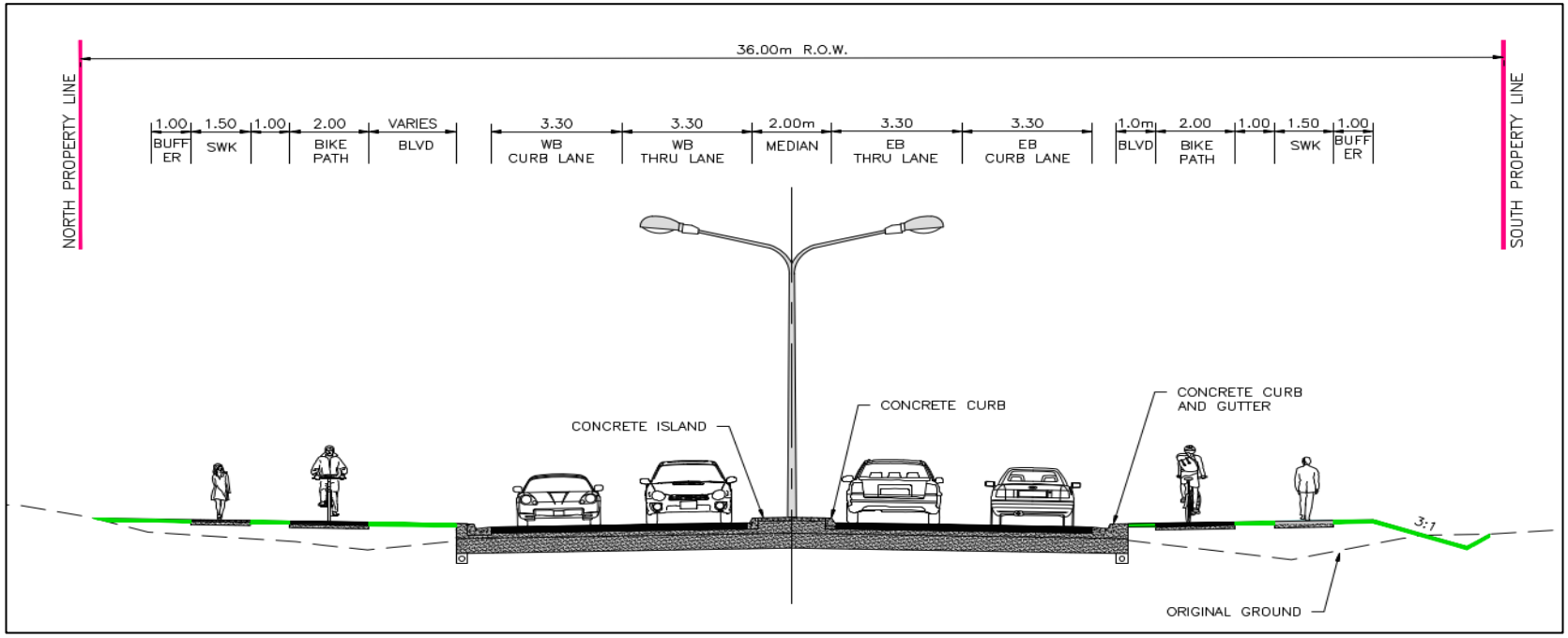
Road Upgrades

Road upgrade from 2-lane rural to 4-lane urban road with intersection turning lanes, dedicated bike paths, sidewalks, median island, and streetlights. Proposed signalized intersection at White Oak Rd.



Bradley Avenue
(White Oak Road to Jalna Boulevard)

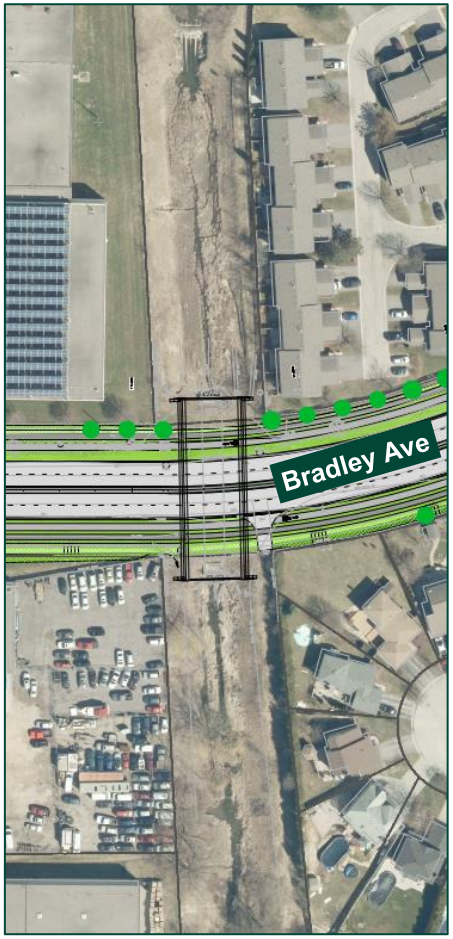
Road Upgrade and Underground Infrastructure – Cross-Section



Bradley Avenue
(White Oak Road to Jalna Boulevard)

Culvert Replacement

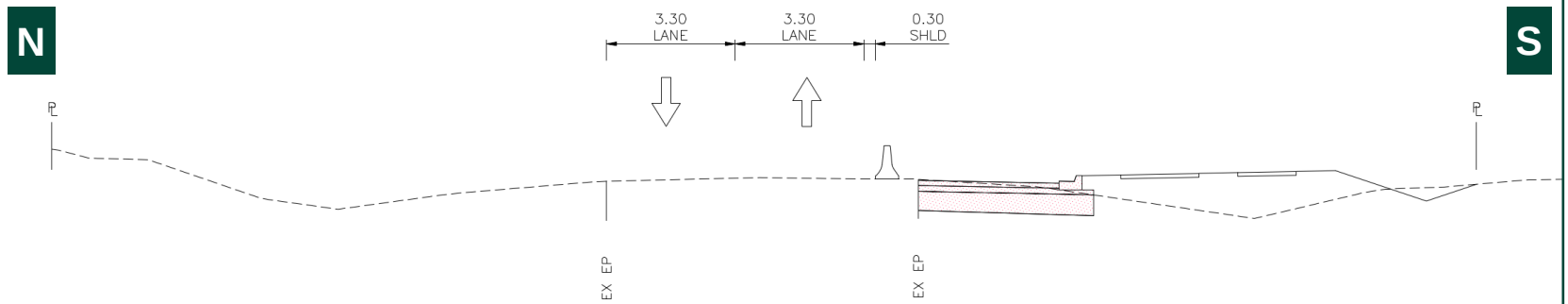
- The existing box culverts will be replaced by a single 16.2m span by 2.4m rise structure.
- The existing two online weir structures will also be removed.
- The new structure will allow flow conveyance without overtopping the road for major storm events.
- The proposed works will provide fish habitat and passage improvements.



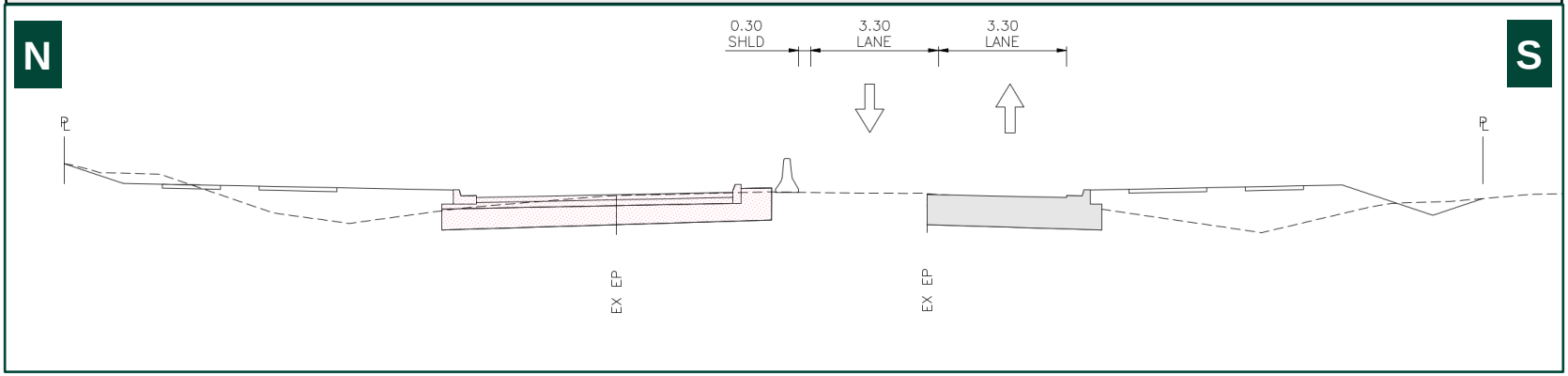
Bradley Avenue
(White Oak Road to Jalna Boulevard)

Construction Staging

Stage 1: Shift traffic north and construct south roadway widening.



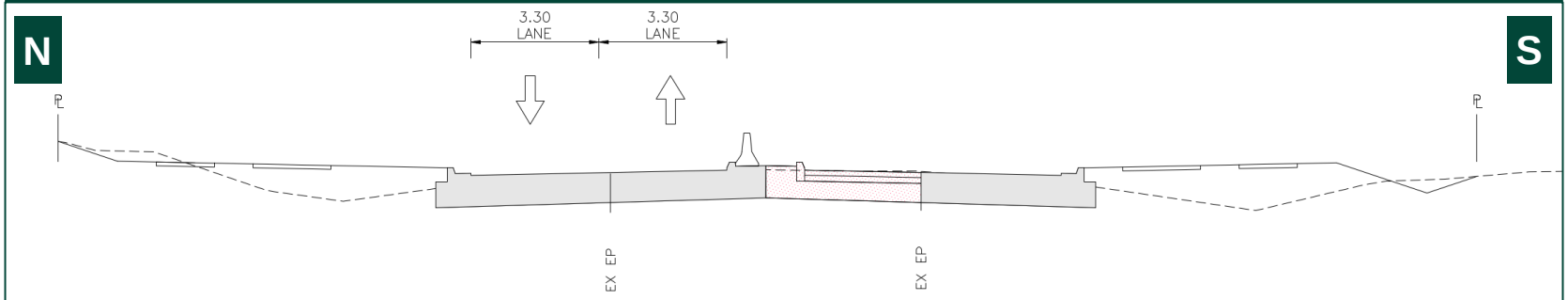
Stage 2: Shift traffic south to widened roadway, complete waterman lowering/relocation, construct north half of White Oak Drain Culvert, and construct Bradley Avenue westbound lanes.



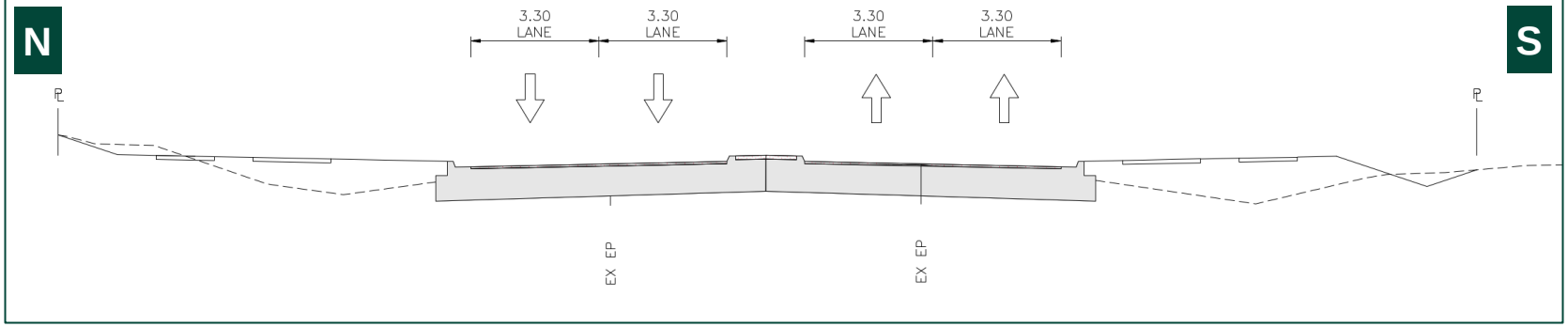
Bradley Avenue
(White Oak Road to Jalna Boulevard)

Construction Staging

Stage 3: Shift traffic north to newly constructed lanes, construct south half of White Oak Drain Culvert, and complete Bradley Avenue reconstruction.



Stage 4: Complete surface asphalt paving and median islands.



Environmental Permits and Approvals

The following permits, approvals and agency input are being sought to facilitate planned construction:

- Request for Review form submission to the Fisheries and Oceans Canada (DFO) to obtain advice under *Fisheries Act*.
- Information Gathering Form submission to the Ministry of the Environment, Conservation and Parks (MECP) to obtain advice under *Endangered Species Act*.
- Environmental Compliance Approval.
- Permit from Upper Thames Conservation Authority for works in Regulated Areas (Under Review) under *Conservation Authorities Act*.
- Arborist Report submission to City's Parks and Forestry under City's Tree Protection By-law and Boulevard Tree Protection By-law.

Environmental Protection and Compensation Measures

- Environmental protection and mitigation measures will be implemented to minimize the impacts of project construction. Some examples of these measures include:
  - Adhering to the sensitive ecological timing windows to avoid direct impacts to birds, bats, and fish and fish habitat.
  - Installing wildlife fencing to keep the wildlife out of work area.
  - Installing erosion and sediment control measures to limit the transport of sediment outside of construction area.
  - Installing tree protection barriers to protect the integrity of the features to be retained.
- Trees and native vegetation will be planted within the boulevard along the new roadway.
- In addition, the City will create new woodland and wetland features off-site to compensate for the loss of ecological features.

Construction Schedule

Fall 2024 – Spring 2025

- Permits and Approvals
- Tree Removals Bradley Ave. (White Oak Rd. to Wharncliffe Rd.)

Spring – Summer 2025

- Construction Tender and Project Award
- Pre-construction Public Update Meeting

Summer 2025

- Anticipated Construction Start

Fall 2026

- Anticipated Construction Completion

Questions & Project Updates

- You are invited to ask any questions during this meeting.
- For additional questions and project updates, visit **https://getinvolved.london.ca/bradley-ave**.
- You can also reach us any time with comments or questions, using the contact information below.

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