

Greenfield Avenue, Main Street, Hawthorne Avenue et al. Reconstruction Project

Online Public Information Session
(January 9 to February 10, 2023)

Land Acknowledgement

We recognize that Ottawa is located on unceded territory of the Anishinabe Algonquin Nation.

We extend our respect to all First Nations, Inuit and Métis peoples for their valuable past and present contributions to this land.

We also recognize and respect the cultural diversity that First Nations, Inuit and Métis people bring to the City of Ottawa.

Welcome

Welcome to the Online Public Information Session for the Greenfield Avenue, Main Street, Hawthorne Avenue et. Al. Reconstruction Project.

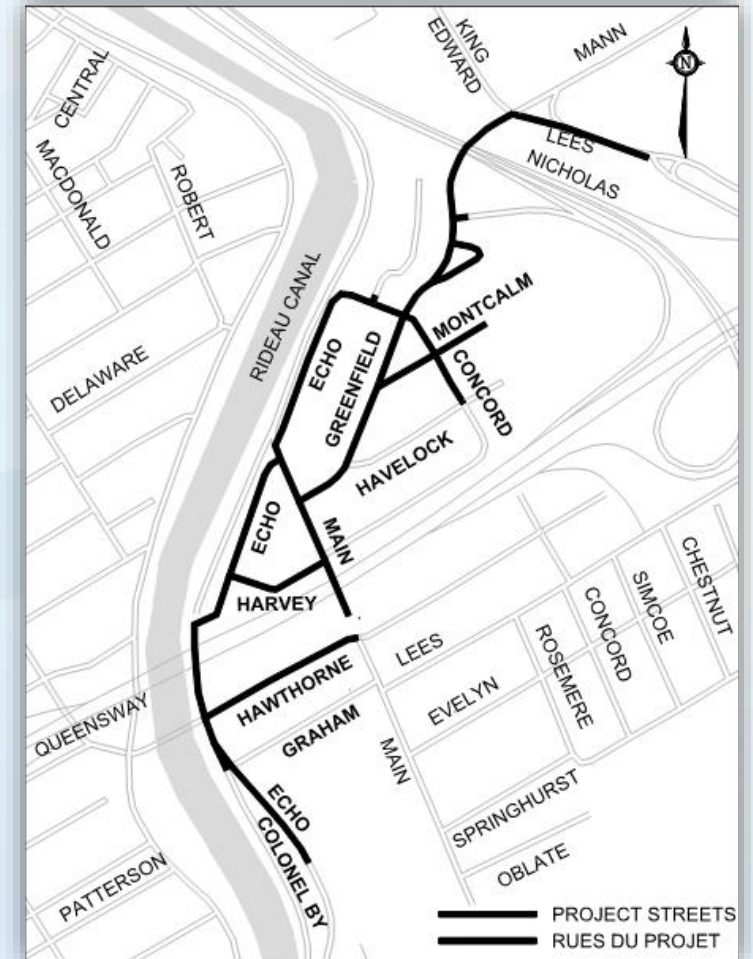
The City has a proactive communication approach. The project team will update you on the project using different methods to communicate including letters and posting information on Ottawa.ca.

The purpose of this Online Public Information Session is to present the detailed design, receive feedback, keep residents informed of the current status of the project and how to stay informed during construction.

Please review the information presented and **provide your comments by phone or email**, as noted on the last page of this document, **by 11:59pm on February 10, 2023.**

Project Overview

The City of Ottawa has completed the design work for the rehabilitation of the northern area of the Old Ottawa East Community. The project area is generally bounded by the Rideau Canal to the west, King Edward Avenue to the north, Highway 417 to the east and Hawthorne Avenue to the South. A 160-metre section along Colonel By Drive/Echo Drive, which extends south of Hawthorne Avenue to Immaculata High School, is also included in the project limits.



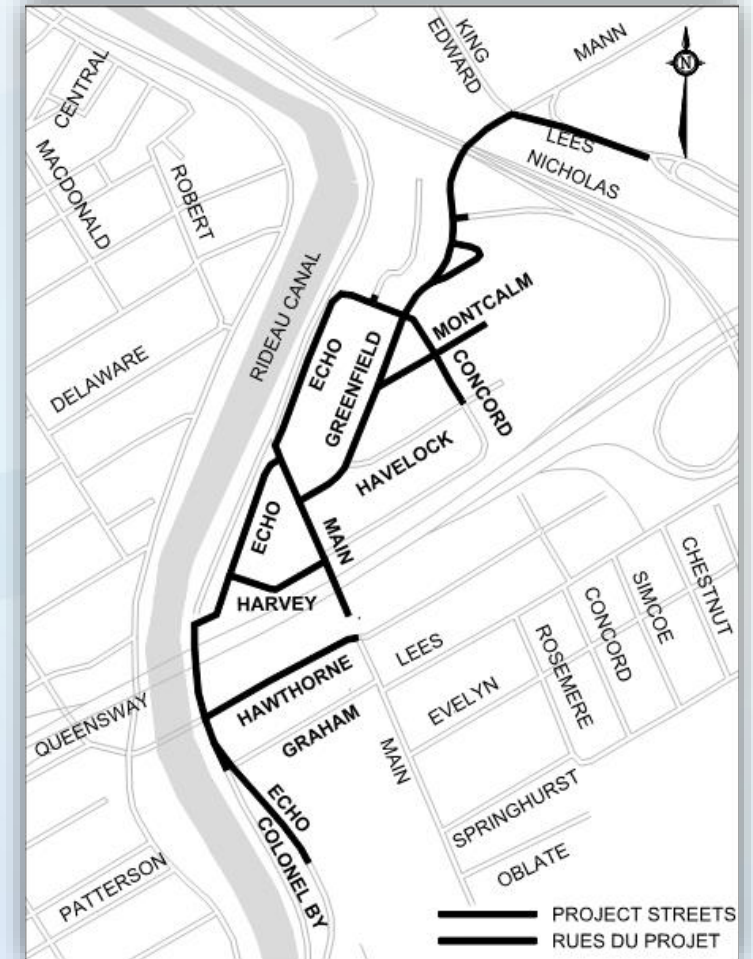
Project Overview

The following street segments have been identified for reconstruction:

- Colonel By Drive (Graham Avenue to Hawthorne Avenue)
- Concord Street North (Echo Drive to Havelock Street)
- Echo Drive (Immaculata High School to Graham Avenue)
- Echo Drive (dead-end at Highway 417 to Main Street)
- Echo Drive (Main Street to Concord Street North)
- Greenfield Avenue (Main Street to King Edward Avenue)
- Hawthorne Avenue (Colonel By Drive to Main Street)
- Main Street (Harvey Street to Colonel By Drive)
- Montcalm Street (Greenfield Avenue to dead-end)

Additional elements have been added to the project, which include:

- A 3.0m wide Mixed-Use Pathway on Lees Avenue
- Full signalization of the intersection of Colonel By Drive and Main Street (Construction was completed in 2022)



Project Overview

Within the limits of the Project, the City of Ottawa has identified a requirement for the rehabilitation and/or replacement of portions of its linear infrastructure. Included in the scope of the project is:

- Replacement of the existing combined sewers with separate storm and sanitary sewers;
- Replacement of local watermains;
- Water and sewer service replacements to the property line;
- Surface drainage improvements;
- Adjustments to pavement widths, new curbs, sidewalks, and road structure;
- Streetscape enhancements, where deemed appropriate;
- Introduction of 30 km/h measures on local residential streets to improve public safety with the installation of traffic calming measures, including intersection narrowings, mid-block narrowings, and speed humps throughout.

Please refer to the design drawings posted on the project webpage for additional details:

ottawa.ca/gmhreconstruction

Design Highlights

Intersection Modifications

A number of intersections are proposed to be modified, where possible or appropriate, following the principals of Protected Intersections.

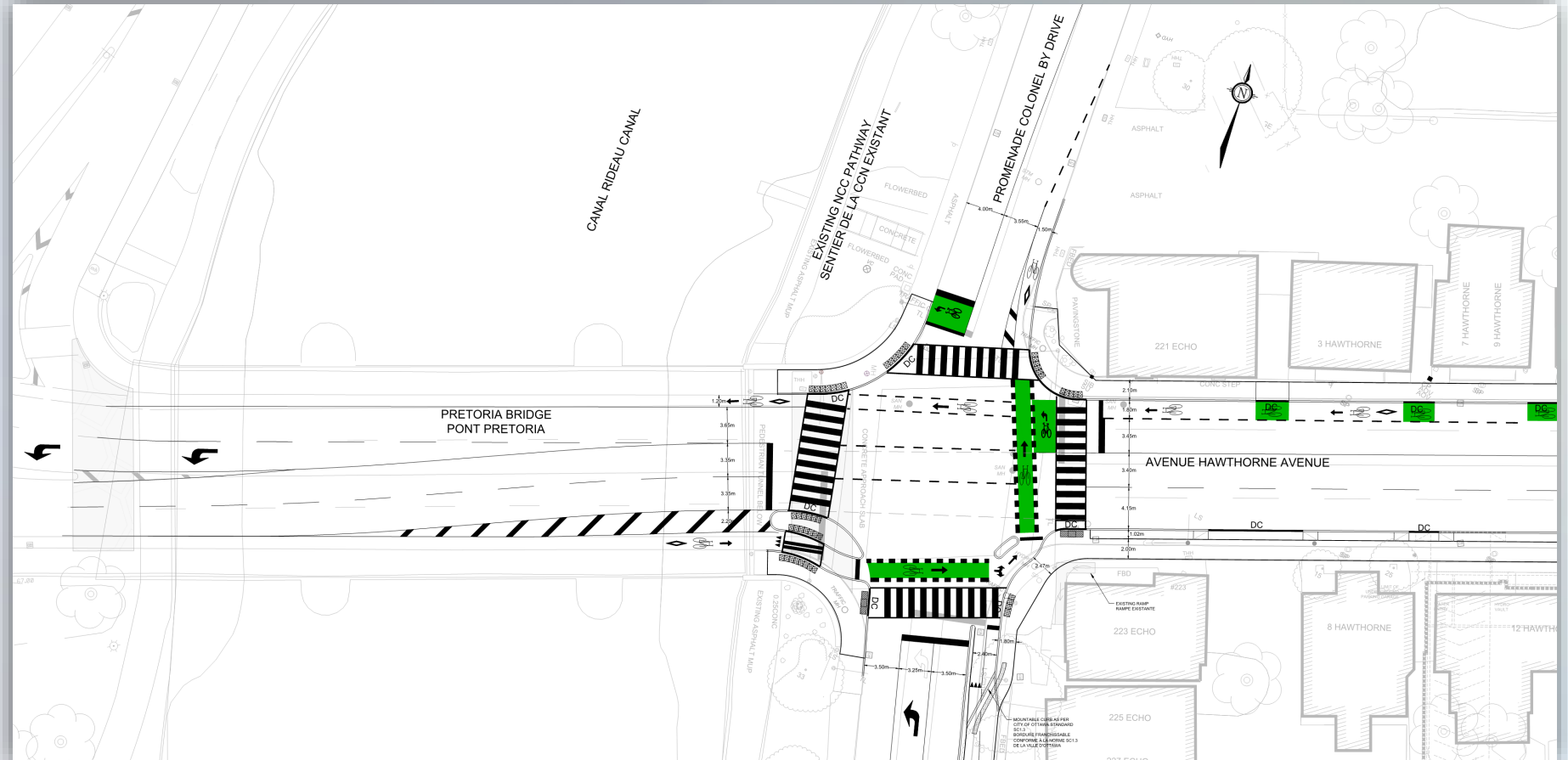
Features of Protected Intersections include:

- Signal controlled intersection;
- Dedicated space and crossings for pedestrians, bicycles, and motor vehicles;
- Minimizes potential conflicts between users; and,
- Improves safety and comfort.

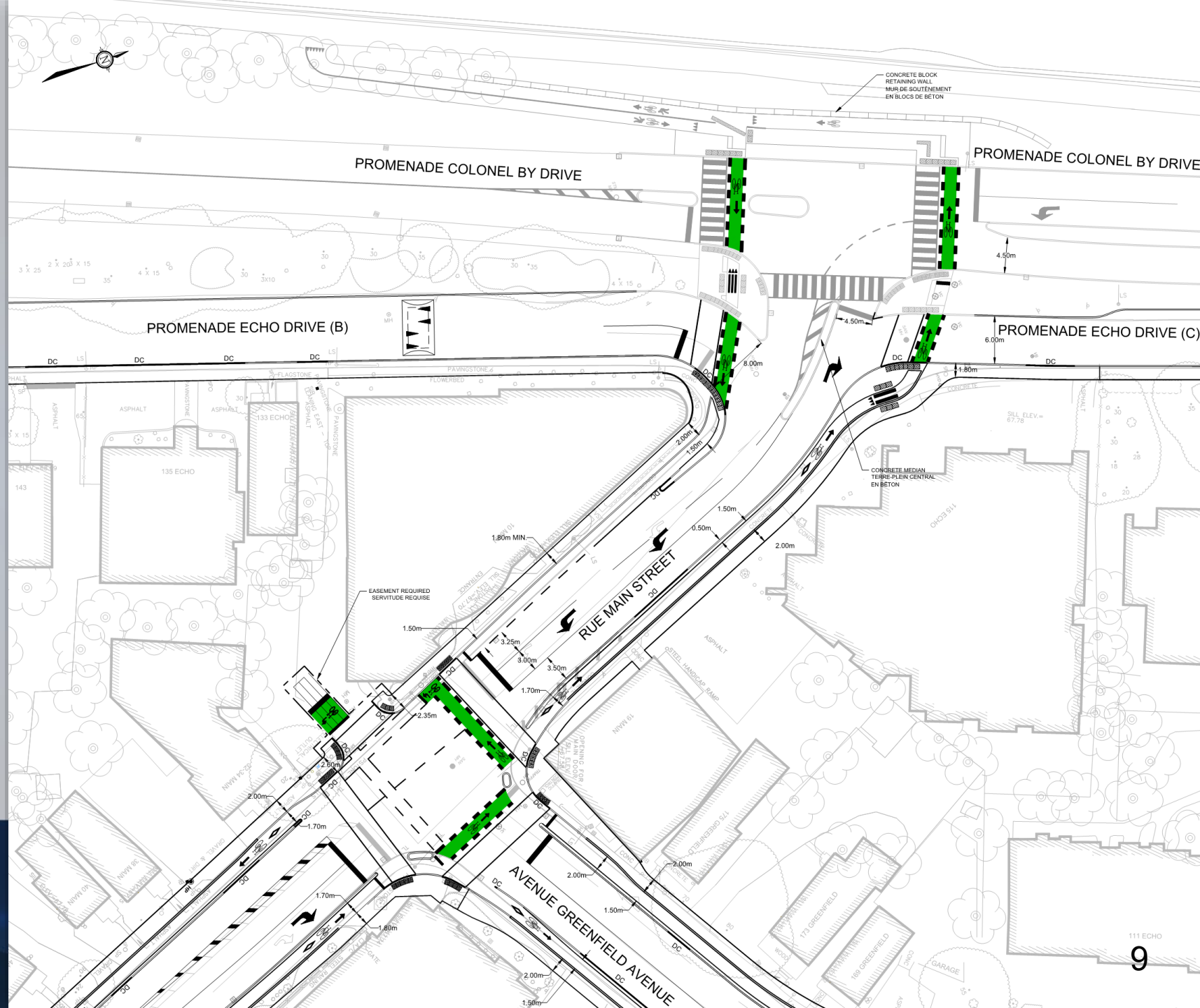
For more information on Protected Intersections, please refer to the City's recently published Protected Intersection Design Guidelines <https://ottawa.ca/en/protected-intersection-design-guide>

Modifications to the Intersection of Colonel By Drive and Hawthorne Avenue:

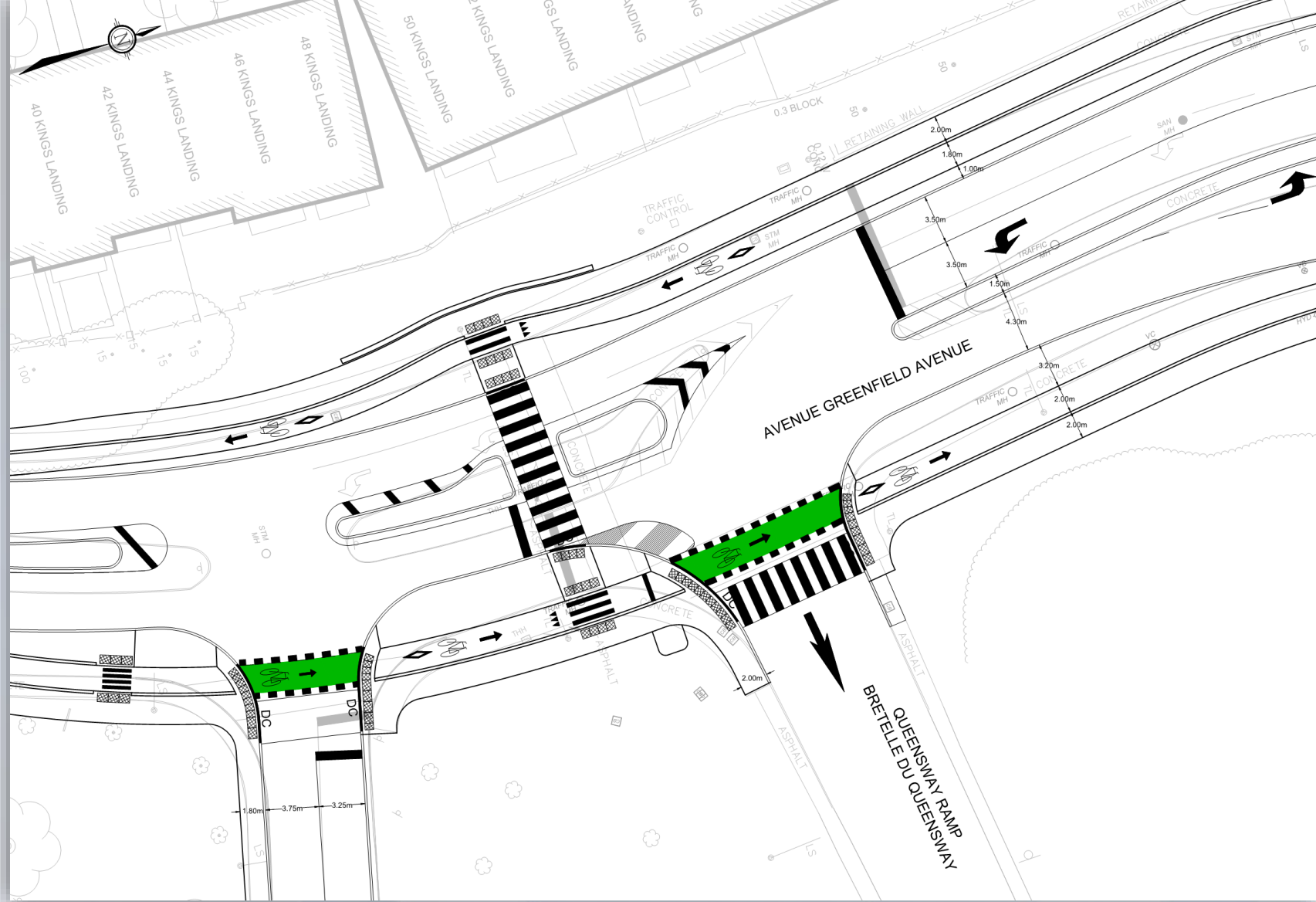
The Pretoria Bridge and Colonel By Drive / Hawthorne Avenue intersection is very constrained and the layout presented represents the preferred solution.



Modifications to the Intersection of Main Street and Greenfield Avenue, and Colonel By Drive and Main Street

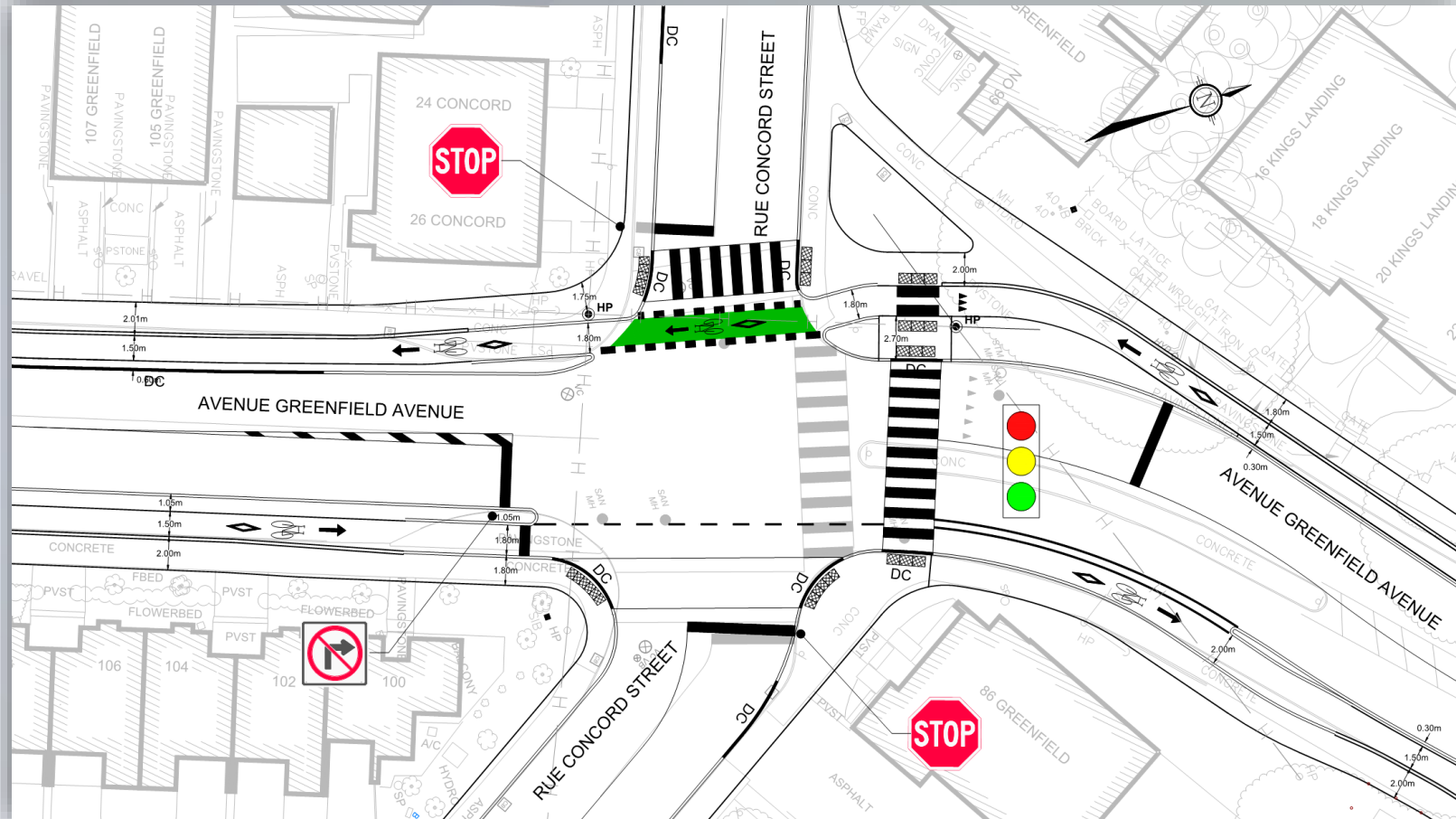


Modifications to the Intersection of Greenfield Avenue and On-ramp to Westbound Highway 417



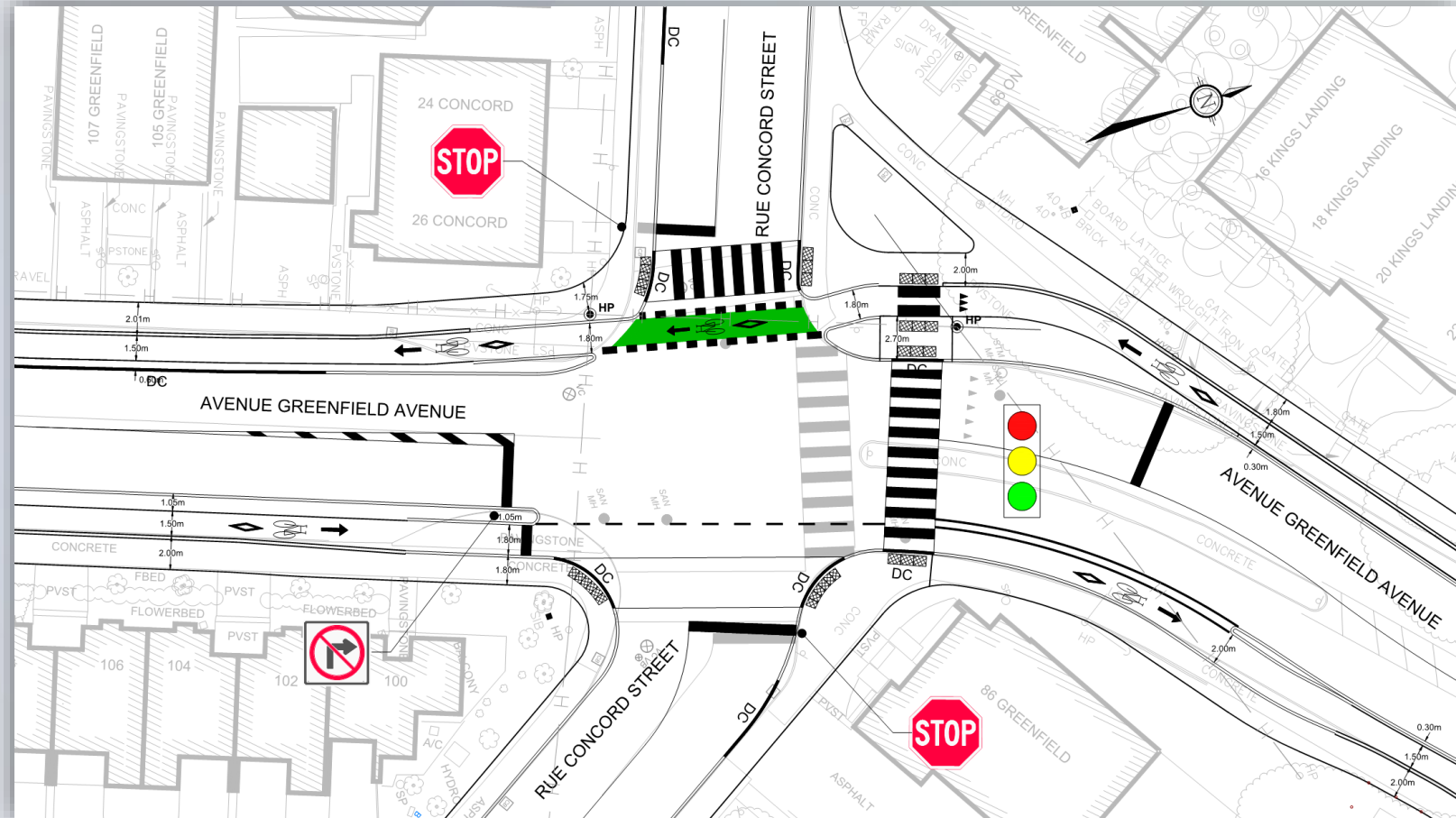
Modifications to the Intersection of Concord Street and Greenfield Avenue:

The existing Pedestrian Crossover (PXO) will be replaced with an Intersection Pedestrian Signal (IPS). An IPS will provide full red-yellow-green traffic lights for vehicles travelling in either direction along Greenfield and provide pedestrians a proper walk signal to cross Greenfield.



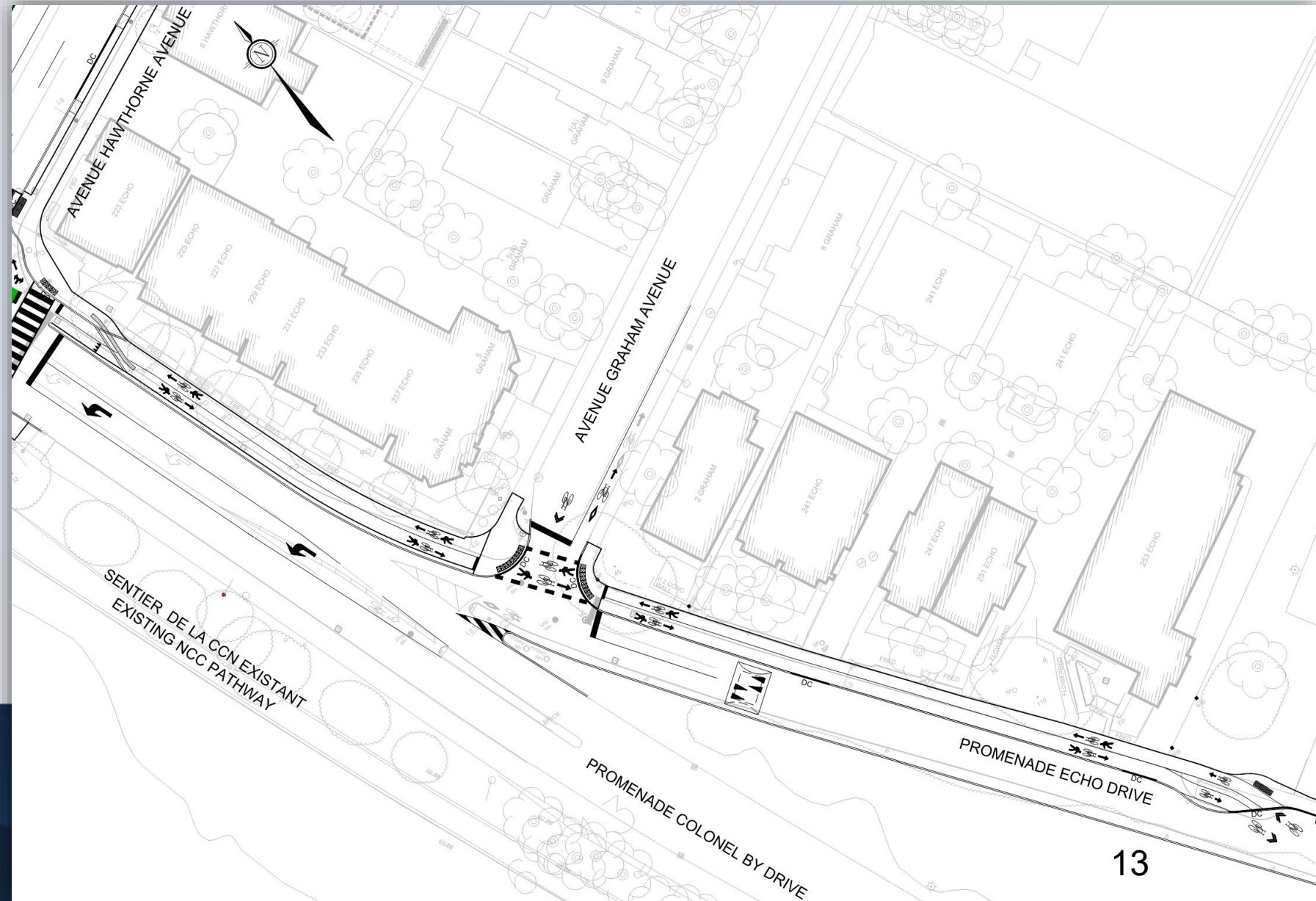
Modifications to the Intersection of Concord Street and Greenfield Avenue:

Vehicles approaching Greenfield on Concord Street will still be controlled by a stop sign, as they are today. The northbound right-turn movement from Greenfield to Concord will be prohibited.



Modifications to the Intersection of Colonel By Drive – Hawthorne Avenue to Graham Avenue, and Echo Drive – Graham Avenue to 80m South of Graham Avenue:

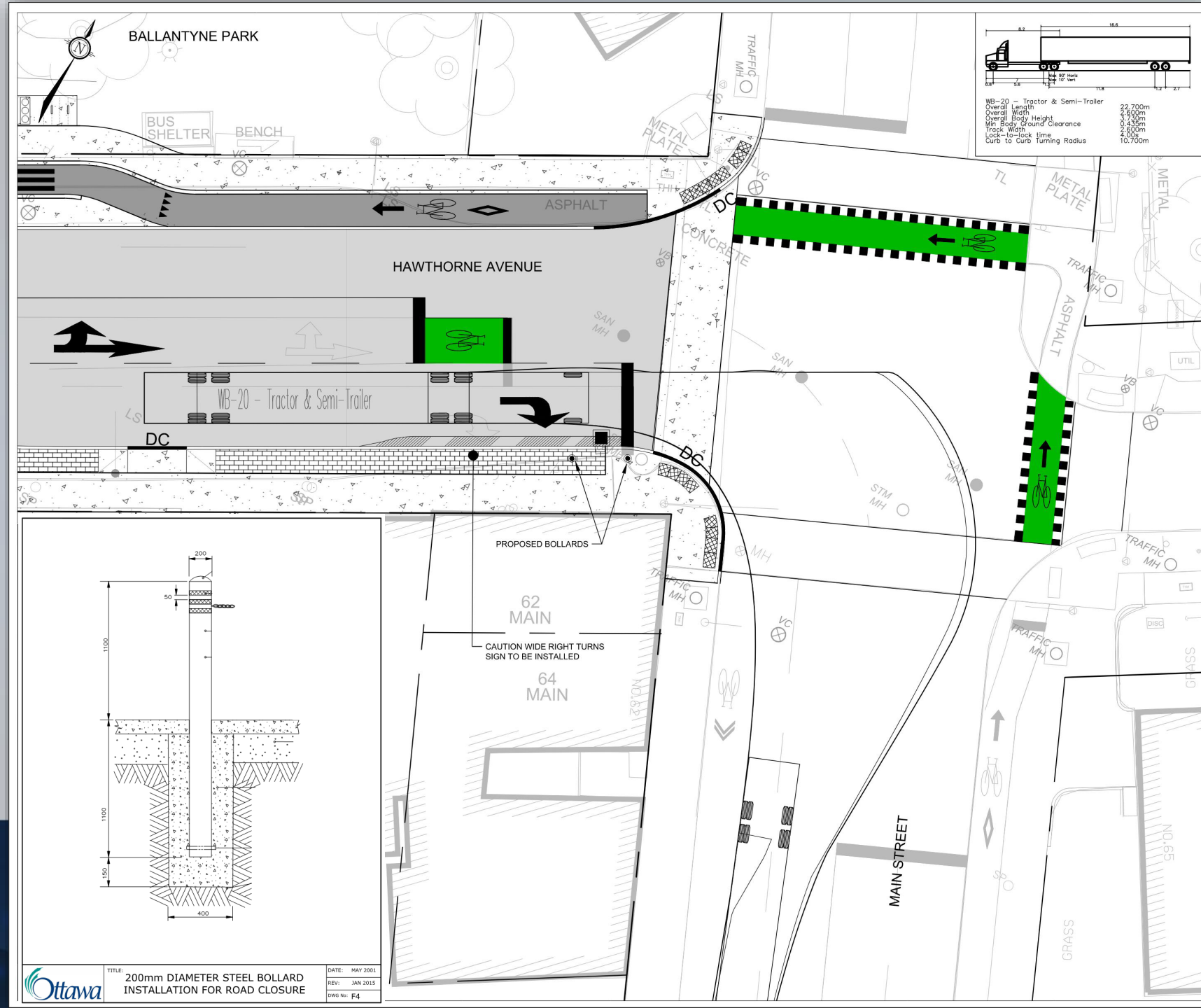
Cycling and Pedestrian Connectivity – a multi-use pathway (MUP) will replace the existing concrete sidewalk for these limits. This MUP will serve to provide a safe cycling connection to the existing on-road eastbound contraflow bike lane on Graham Avenue.



Modifications to the Southwest Corner of the Hawthorne and Main Intersection

Steel Bollards to be added along the curb on the eastbound approach to the intersection to physically stop larger vehicles from cutting over the corner.

Other improvements include addition of concrete ripple strip along curb and elimination of left turn bike box tail.



Main Street Cycling Connectivity – Harvey Street to Graham Avenue

The “missing cycling link” in the southbound direction has been a community want since the completion of the previous Main Street Reconstruction. It is not a part of the Greenfield Avenue, Main Street, Hawthorne Avenue et al. Reconstruction Project.

However, Transportation Planning have identified this section of roadway for future consideration for cycling improvements. These efforts are separate from this project.

The City Active Transport Planning Group will be leading these efforts. For more information on Active Transportation Planning in the City of Ottawa, please visit <https://ottawa.ca/en/parking-roads-and-travel/active-transportation/active-transportation-planning>.

Conversion of Overhead Electrical & Telecom Systems to Underground

As part of the planned construction, overhead electrical systems and associated communication lines will be converted to an underground system for certain limits of the project.

Specifically, the limits are:

- Hawthorne Avenue from Colonel By Drive to Main Street
- Mainstreet From Greenfield Avenue to Harvey Street
- Greenfield Avenue from Main Street to Havelock Street



Hawthorne Avenue



Intersection of Main Street & Greenfield Avenue

Conversion of Overhead Electrical & Telecom Systems to Underground

With the hydro and telecom burial there will be additional surface infrastructure (e.g., transformers, switch gear, etc.) required on the surface in places along Hawthorne, Main and Greenfield. One such location will be the west limits of Ballantyne Park. Below is a representation of Hydro Ottawa's required installation within the Park.



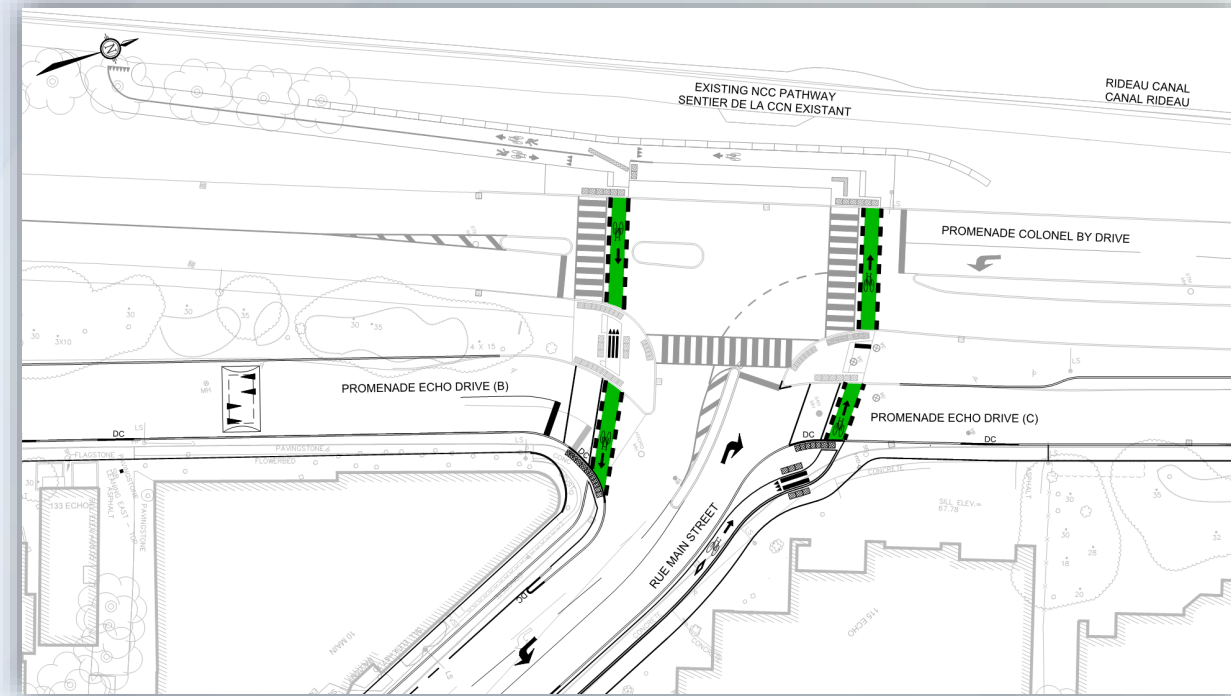
Construction Completed to Date

CP000627 – GMH et al. Reconstruction Advance Works Contract

In the summer of 2021 the City awarded this contract to Louis W. Bray Construction Ltd. This contract work was completed 2022.

Construction under this contract included:

- Colonel By Drive at Main Street – Intersection Improvements
 - Full signalization of the intersection including cycling connections to/from the Rideau Canal eastern pathway and planned Main Street cycling facilities
 - Geometric modifications to the intersection to allow for safe intersection crossings for pedestrians and cyclists



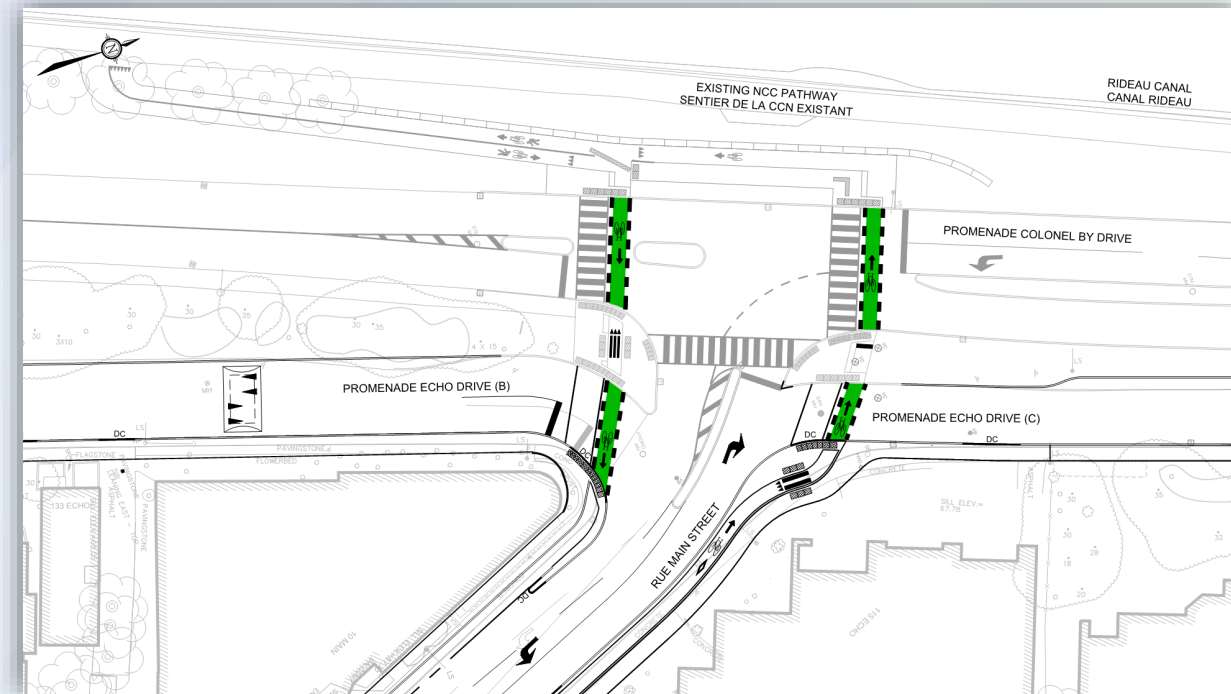
Construction Completed to Date

CP000627 – GMH et al. Reconstruction Advance Works Contract

Other Works:

- Colonel By Drive (Hawthorne Avenue to north of Highway 417) – Storm sewer installation with trench reinstatement only.
- Main Street (Greenfield Avenue to Echo Drive) – Watermain, sanitary sewer, and storm sewer installation, with temporary reinstatement of the area impacted by the work. Full road reconstruction will be conducted in the future.
- Echo Drive (at Main Street) – Watermain, sanitary sewer and storm sewer works, with temporary road reinstatements. Full road reconstruction will be conducted in the subsequent contract.

Construction of the Lees multi-use pathway (MUP), initially included in the Advance Works Project, was deferred to the future and is now part of CP000136.

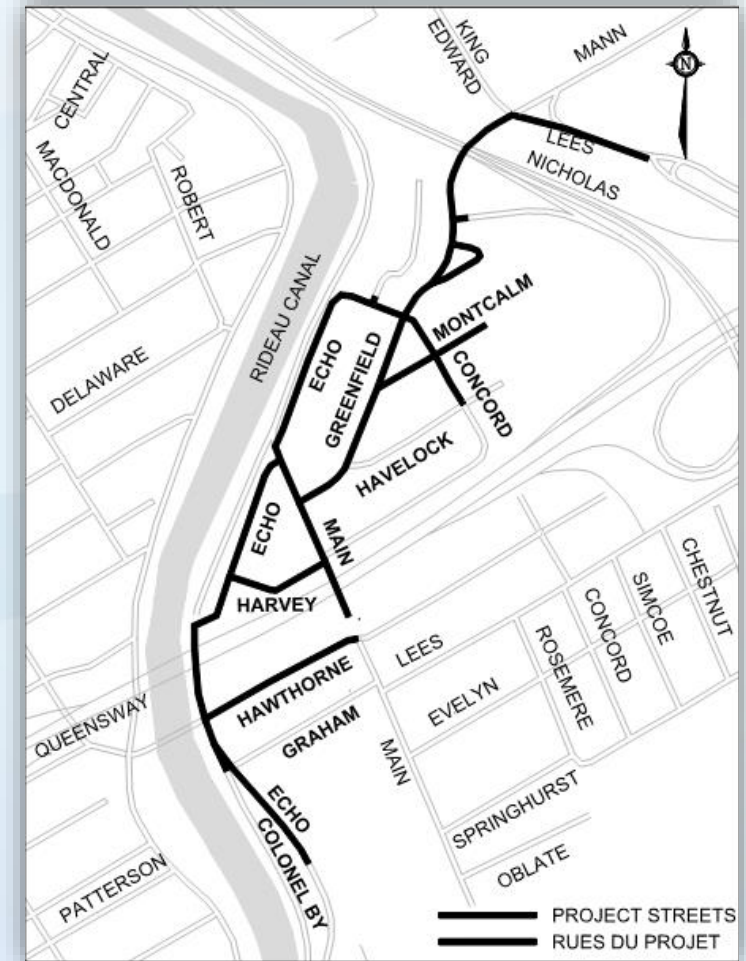


Upcoming Construction

CP000136 – Greenfield, Main, Hawthorne et Al. Reconstruction

The City has awarded a contract (CP000136) for the balance of the construction of the GMH et Al Project to **Aecon Construction Limited (Aecon)**.

Construction Notices – residents will be provided with more details of upcoming works through notices delivered to each effected residence. These notices will be sent out prior to construction commencing each season, and when services or access may be restricted.



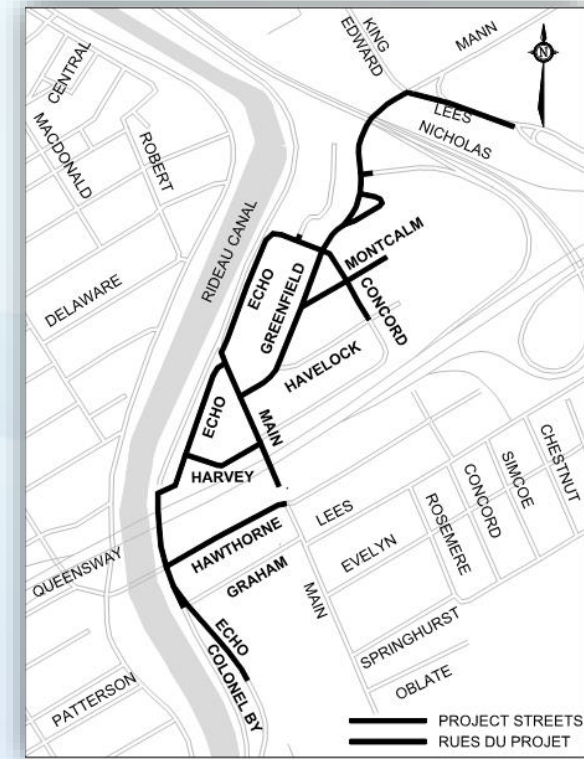
Upcoming Construction

CP000136 – Greenfield, Main, Hawthorne et Al. Reconstruction

Aecon's preliminary contractual activities are underway and physical construction will start in early 2023.

The streets affected are:

- Colonel By Drive (Graham Avenue to Hawthorne Avenue)
- Concord Street North (Echo Drive to Havelock Street)
- Echo Drive (Immaculata High School to Graham Avenue) (Referred to as Echo A)
- Echo Drive (dead-end at Highway 417 to Main Street) (Referred to as Echo B)
- Echo Drive (Main Street to King Edward Avenue) (Referred to as Echo C)
- Greenfield Avenue (Main Street to King Edward Avenue)
- Hawthorne Avenue (Colonel By Drive to Main Street)
- Main Street (Hawthorne Avenue to Echo Drive)
- Montcalm Street (Greenfield Avenue to dead-end)



Anticipated Construction Schedule

Aecon has submitted a proposed construction schedule to the City. Based on Aecon's schedule, general construction sequence figures have been prepared for 2023, 2024 and 2025. Please note this schedule may change based on unforeseen circumstances.

Construction periods are generally expected as follows:

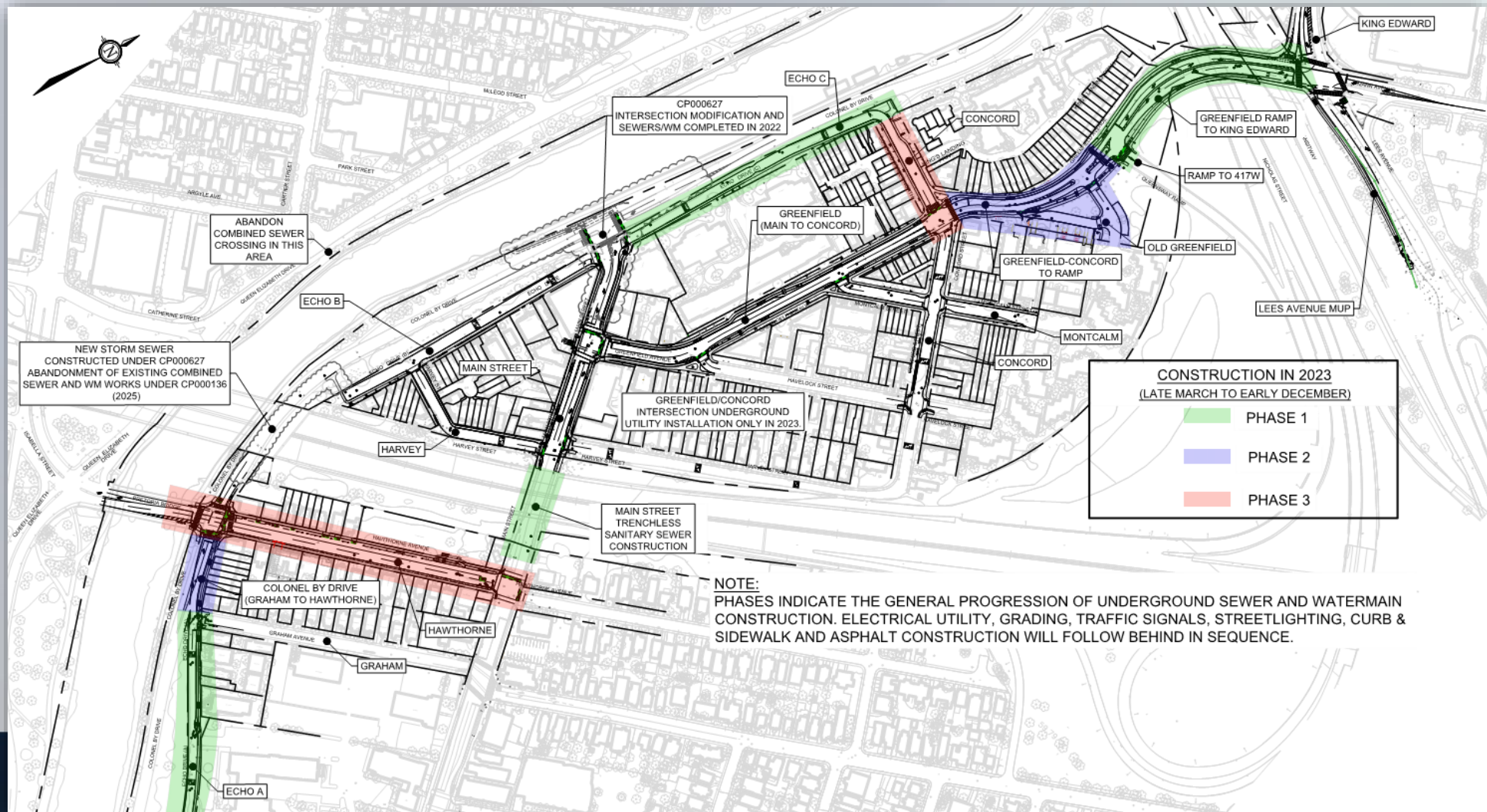
2023 – Late March to early December

2024 – Early April to early December

2025 – Early April to Late August

Note: Hydro Ottawa will be completing the planned conversions of overhead power distribution to underground and this work may extend beyond the dates noted above.

Proposed Sequence and Timing of Construction (2023):



Traffic Management During Construction

Construction in 2023

Echo Drive – (Project Limits (Immaculata High School) to Graham Avenue) – Closed to local traffic only.

Colonel By Drive (Graham Avenue to Hawthorne Avenue) – Converted to a one-way, one-lane north bound (Note: To be coordinated with the National Capital Commission possible Parkway Closure Plans for 2023).

Hawthorne Avenue (Colonel By to Main Street) – Maintain as a one-lane in each direction.

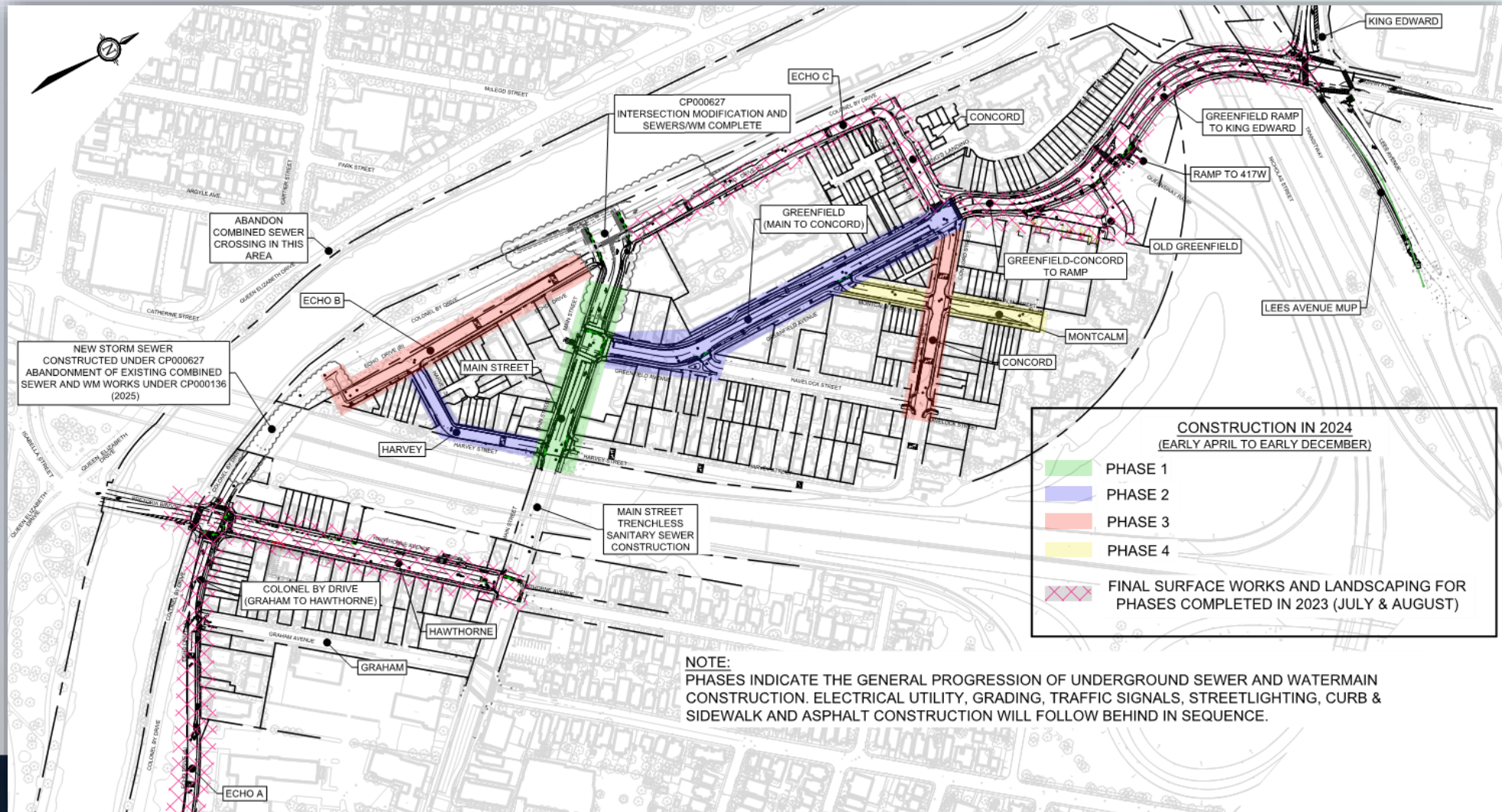
Greenfield Avenue – Two-way traffic remains in place, one-lane in each direction.

Concord Street (Echo Drive to Greenfield Avenue) – Converted to a one-way east bound street.

Old Greenfield Avenue – Closed to local traffic only.

Please note that the above streets will see wear course asphalt, miscellaneous reinstatements and landscaping completed in 2024. Roadways will remain open with localized traffic control/flagging employed to complete works.

Proposed Sequence and Timing of Construction (2024):



Traffic Management During Construction

Construction in 2024

Main Street (Hawthorne Avenue to Colonel By Drive) – Converted to a one-way, one-lane north bound (Note: Echo Drive west of Main Street closed at Main Street).

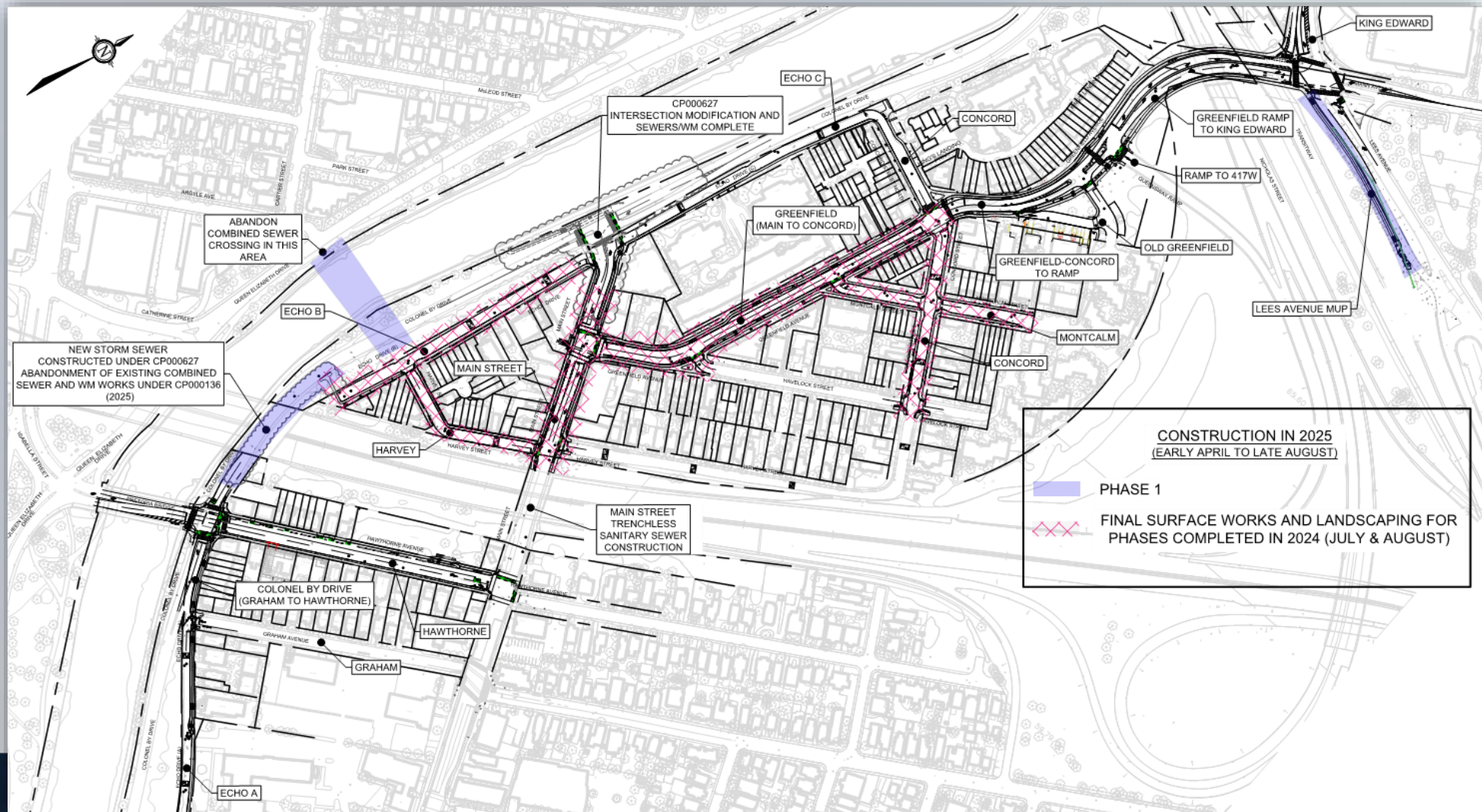
Echo Drive (Main Street to Concord Street) – Closed to local traffic only (remains a one-way street).

Concord Street (Greenfield Avenue to Havelock Street) – Closed to local traffic only.

Greenfield Avenue (Main Street to Old Greenfield Avenue) – Converted to a one-way, 1-lane east bound up to the east leg of Old Greenfield Avenue. Two way traffic remains in place to King Edward Avenue.

Please note that the above streets will see wear course asphalt, miscellaneous reinstatements and landscaping completed in 2025. Roadways will remain open with localized traffic control/flagging employed to complete works.

Proposed Sequence and Timing of Construction (2025):



Traffic Management During Construction

Construction in 2025

Lees Avenue:

- Lees Avenue East Bound can be closed for nine (9) consecutive days, inclusive of five weekdays (i.e. Saturday at 6 am to the following Sunday at 6 pm) to facilitate construction.
- During this time pedestrians and cyclists are to be accommodated by a 2.0m wide facility adjacent to the median curb.
- The dates of the closure have yet to be determined by Aecon.

Traffic Management During Construction

Traffic Control Representative - A requirement of the Aecon contract with the City is that they appoint a Traffic Control Representative for the duration of the construction period.

The role of the Traffic Control Representative is an on-site role being responsive and proactive with respect to Traffic Control. This individual will work closely with the City Traffic Management, OC Transpo and the NCC to develop, monitor and adjust Traffic Control Plans throughout the construction period. The individual will attend all Construction Progress Meetings to discuss Traffic Control matters.

Aecon are required to submit detailed Traffic Control Plans as the work progresses.

Traffic Management During Construction

- Throughout construction there will be temporary disruptions to traffic flow; however, local traffic access will be maintained.
- Short term driveway access restrictions will be temporarily required when construction work is in front of a driveway. When driveway access is not possible, on-street parking passes will be provided to residents.
- To allow work to be completed in a timely manner, on-street parking may be prohibited during the construction period in specific areas. During these times, parking will be permitted in other areas of the project and on side streets. Signs will be placed 24 hours in advance indicating any parking prohibitions. Parking passes would be provided by the site inspector, and additional contact details will be provided through the construction notices.

What to Expect During Construction

- **Accessibility** – is an important consideration for the City and we will make every effort to provide access through and around the construction zone. Pedestrian access to homes will be maintained at all times. Please contact the project team if you require special accommodations during construction.
- **Cycling** – bicycle access is an important consideration for the City. At times cyclists may be required to be detoured around construction or they may have to dismount and walk in places. Cyclist accommodation will be analyzed further in the coming months.
- **Transit** – No OC Transpo Bus Route impacts are anticipated with the 2023 construction works. In 2024 OC Transpo Bus Route detours will be required to accommodate the works on Main Street and Greenfield Avenue.

What to Expect During Construction

Why is the Contractor digging a hole in front of my property again?

This question is often asked. The fact of the matter is that the Contractor is performing the work as efficiently as possible, but due to the nature of the works, multiple excavations are required to complete construction. For example, to complete construction of the water distribution system, the existing system must first be isolated (requiring an excavation at the stand post that services your property), then another excavation is required to place the new watermain and service to the property line and finally a third excavation is required to reconnect your service to the new distribution system once it has been tested and disinfected.

Once the deeper underground work is complete, then the shallower works are constructed (ie: underground plant for street lights, traffic control systems and private utilities), followed by road construction.



Tree Removals

Certain tree removals will be completed in February 2023 (ahead of the bird nesting season). The areas for tree removal in 2023 are:

- Greenfield Avenue between Lees Avenue and Old Greenfield Avenue (6 smaller trees on the North side of Greenfield Avenue).
- Old Greenfield Avenue (4 trees).
- Greenfield Avenue between Old Greenfield Avenue and Concord Street (6 trees).
- Colonel By Drive / Hawthorne intersection (2 small trees in the northeast quadrant of the intersection).
- Main Street between Greenfield Avenue and Harvey Street (3 large trees on the west side of the road bordering 38 and 44 Main Street).

Please refer to the design drawings posted on the project webpage for additional details and new planting locations. ottawa.ca/gmhreconstruction

Pre-Construction Survey

As part of their contract with the City, Aecon will be completing Pre-Construction Surveys and Inspections of private properties (subject to property owner approval).

It is beneficial to allow the inspections to be conducted as it may assist in establishing the impact, if any, that construction has had at your property after work is complete.

Aecon intends on completing the Pre-Construction Surveys and Inspections between March 6, 2023 and March 31, 2023.

More details will be provided in the forthcoming construction notices.

Special Considerations

Lead Pipe Replacement Program

With the GMH et Al Reconstruction project, all water services will be replaced from the new watermain to the property line with copper service material.

Replacement of water services beyond the property line (on private property) are not part of the scope of works. Property owners are responsible for this portion of the service.

Special Considerations

Lead Pipe Replacement Program

It is noted that typically homes constructed before 1958 are serviced by lead water services. The City's Lead Pipe Replacement Program provides support to eligible residents for the replacement of the private portion (i.e. from the property line to the meter) of a residential property's lead water service pipe.

The best way to determine if your water services pipe is lead or copper is to scratch the service pipe with sandpaper to expose bare metal. The only visible portion of the water service pipe is located between your basement's concrete floor and the water meter. Lead pipes are dull grey in colour and are easily scratched by a hard object. Copper pipes are red-brown and corroded portions may show a green deposit.

Additional information on the [City's Lead Pipe Replacement Program](#).

Special Considerations

Fire Supply Interruption

Drinking water will be supplied to buildings by temporary water lines.

Please note that private home/building fire suppression systems could be impacted as temporary water is being provided for domestic consumption purposes only.

If you have a home/building fire suppression system, you are recommended to make arrangements with a fire protection services company in order to determine the extent of any impact. For information on minimizing your fire risk contact the City's Fire Services at 613-580-2424 ext. 15371 (East) or 15372 (West).

We apologize in advance for any disruptions in water service during construction. Any problems with the temporary water services can be directed to our on-site construction inspector, or call the City of Ottawa at 3-1-1.

Lawn Irrigation Systems

If you own a subsurface lawn irrigation system, please notify the City's Project Manager, Patrick Sammon.

Special Considerations

Temporary Water Services

During the watermain reconstruction, your property will be placed on a temporary water service. While your property will be on this temporary water service, your water usage will be estimated since the temporary service is not metered. Your water bill will be based on your past average water usage. If you have any questions, please contact Revenue at 613-580-2444 or WS-Billing@ottawa.ca

Impacts of the Construction Work Near Private Property

For many properties, there will be little to no work completed on private property. Works which will take place near to the property line will consist of sewer and water service replacements and minor grading/landscape works to tie-in to the adjacent front yards. If work is required on private property, the homeowner will be notified in advance.

Next Steps

- Construction Notices will be issued in January 2023.
- Public Information Session via Zoom on February 1, 2023.
- In person Public Information Session on February 8, 2023.
- Construction is expected to start in late March 2023.
- Future public engagement opportunities will be provided in the winter of 2023/24 and will be communicated in advance.

Stay Informed

The following communication options are provided to keep the community informed and up to date on this project throughout construction.

Project Webpage:

ottawa.ca/gmhreconstruction

Project Email Address:

gmh@ottawa.ca

E-Newsletter Subscription:

ottawa.ca/esubscriptions

Key Project Contacts During Construction

City of Ottawa Project Manager

Patrick Sammon, P.Eng

Senior Engineer, Infrastructure Projects
100 Constellation Drive Ottawa, ON K2G6J8
Email: patrick.sammon@ottawa.ca
Tel: 613-580-2424 Ext. 29843

Aecon Construction Ontario East Ltd

Travis Jones, P.Eng

Project Manager
3232 Carp Road Carp, ON K0A 1L0
Mobile: 613-314-7690
Email: trjones@aecon.com

NOVATECH Engineers, Planners & Landscape Architects

Benjamin Tardioli, B.Eng

Contract Administrator
240 Michael Cowpland Drive, Suite 200, Ottawa, ON K2M 1P6
Tel: 613-254-9643 Ext. 243
Mobile: 613-612-8395
Email: b.tardioli@novatech-eng.com

Thank you

Thank you for reviewing the project's information boards. We encourage and welcome your feedback.

Please email your comments to gmh@ottawa.ca by **February 10, 2023**.

Additional enquiries should be directed to the City of Ottawa Project Manager.

City of Ottawa Project Manager

Patrick Sammon, P.Eng

Senior Engineer, Infrastructure Projects

100 Constellation Drive Ottawa, ON K2G 6J8

Email: patrick.sammon@ottawa.ca

Tel: 613-580-2424, ext. 29843