

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

## 2024 Construction season

Public Information Session  
February 20, 2024

Send us your  
comments



# 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 Public Information Session for the Greenfield Avenue, Main Street, Hawthorne Avenue et al. Reconstruction Project.**

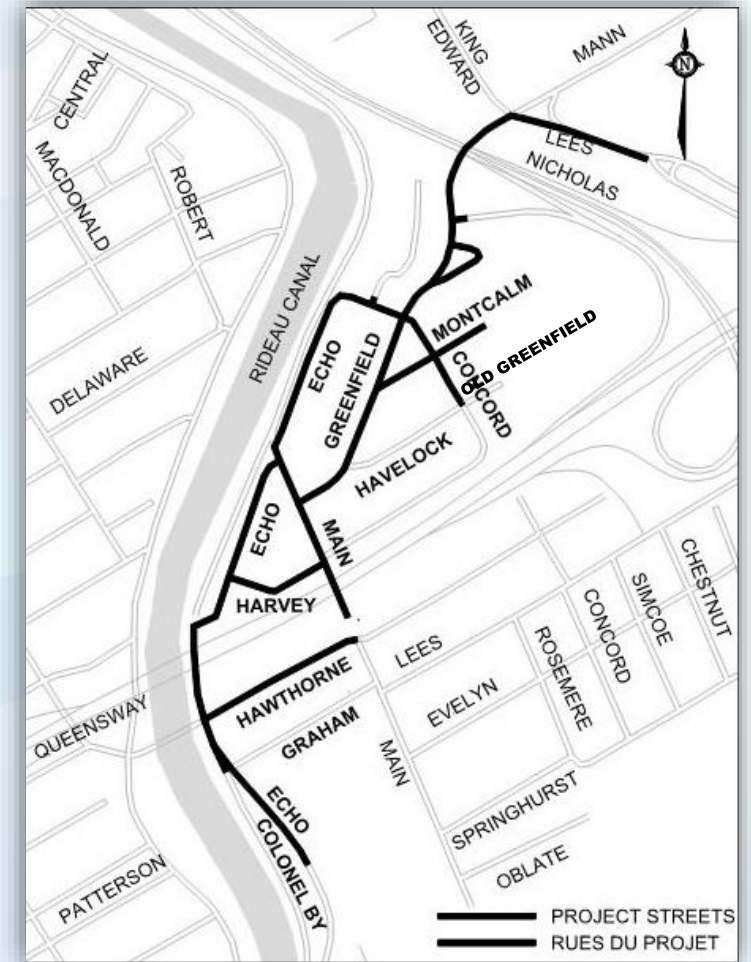
The City has a proactive communication approach. The project team will update you on the project using different methods to communicate including letters and posting information on [ottawa.ca/gmhreconstruction](https://ottawa.ca/gmhreconstruction).

The purpose of this public information session is to present the current status of the project, receive feedback and advise residents how to stay informed during construction.

Please review the information presented and **provide your comments by 11:59pm on March 5, 2024.**

# Project overview

The City of Ottawa and their general contractor GIP have completed the first year of construction on the Greenfield, Main, Hawthorne et al. reconstruction project in 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.



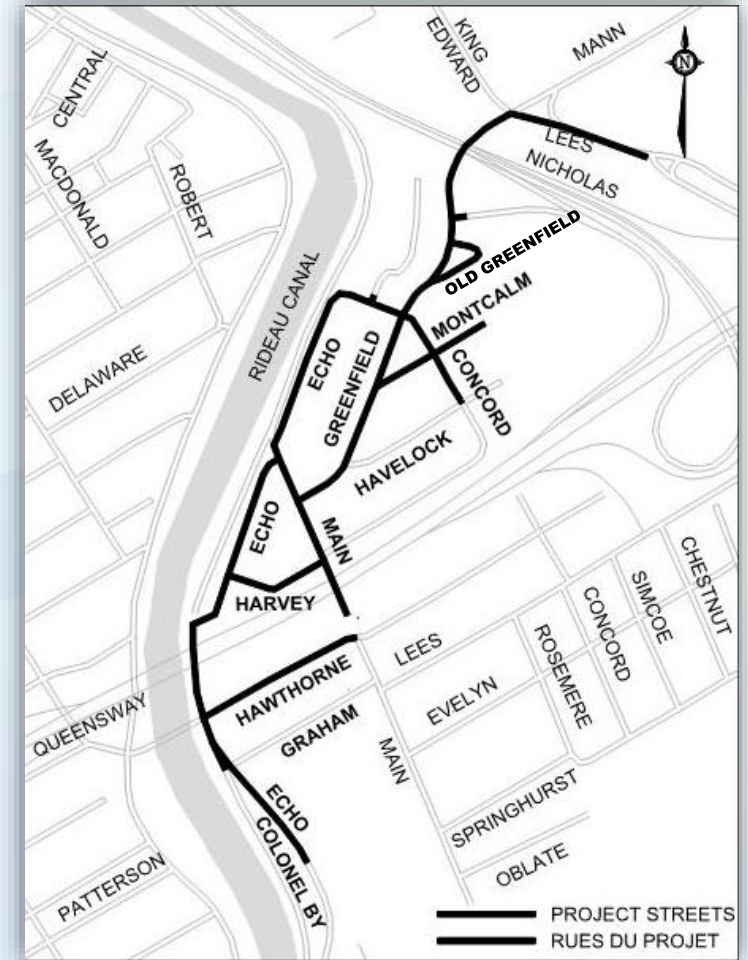
# Project overview

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 multi-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:

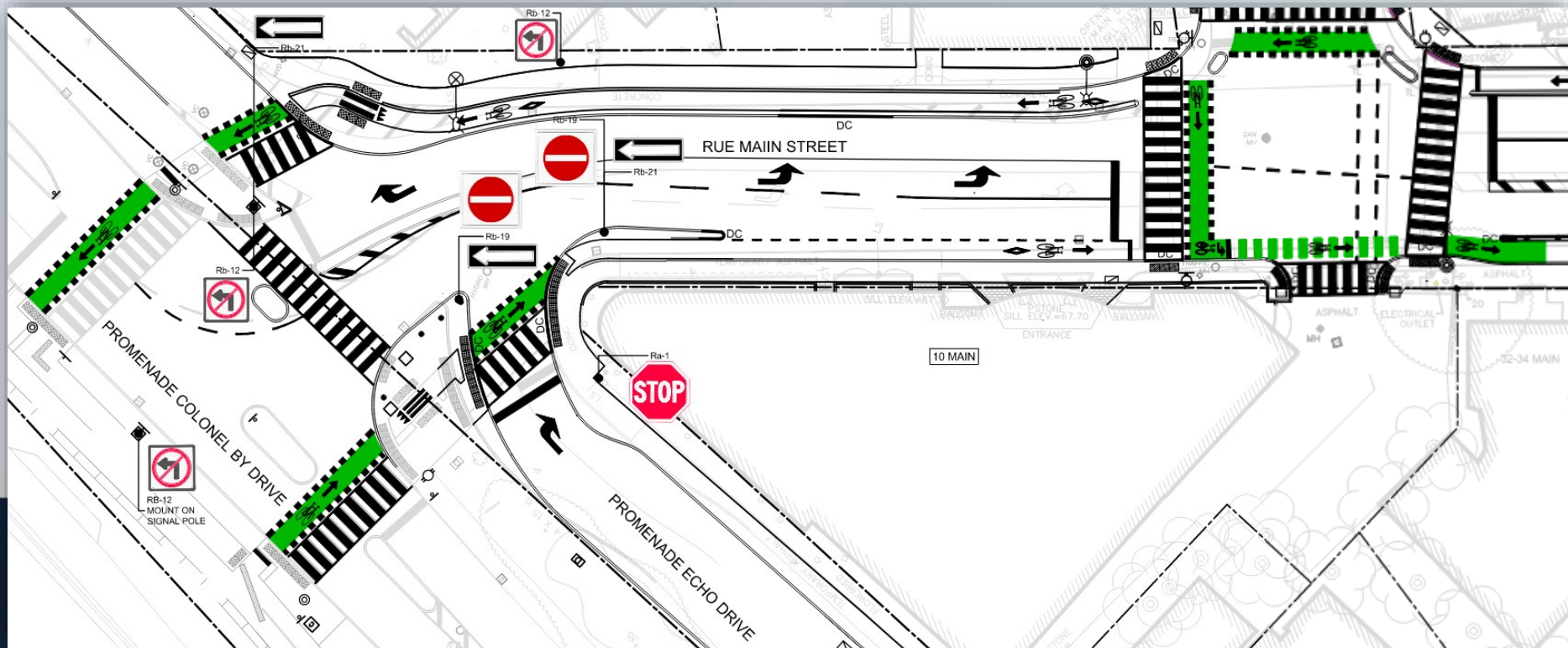
- Replacement of the existing combined sewers with separate storm and sanitary sewers;
- Replacement of local watermains;
- Water and sewer service replacements to the property line;
- Surface drainage improvements;
- Adjustments to pavement widths, new curbs, sidewalks, and road structure;
- Streetscape 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.

# Design highlights

## Modifications to Main Street and Echo Drive between Colonel By and Greenfield

Intersection modifications to improve safety aspects for pedestrians and cyclists have been proposed for inclusion in the project.

- This includes a change to Echo Drive between Main Street and Harvey Street making it a right out only at Main Street.



# 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
- Main Street 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 Avenue, Main Street and Greenfield Avenue. One such location will be the west limits of Ballantyne Park. Below is a representation of Hydro Ottawa's required installation within the park.



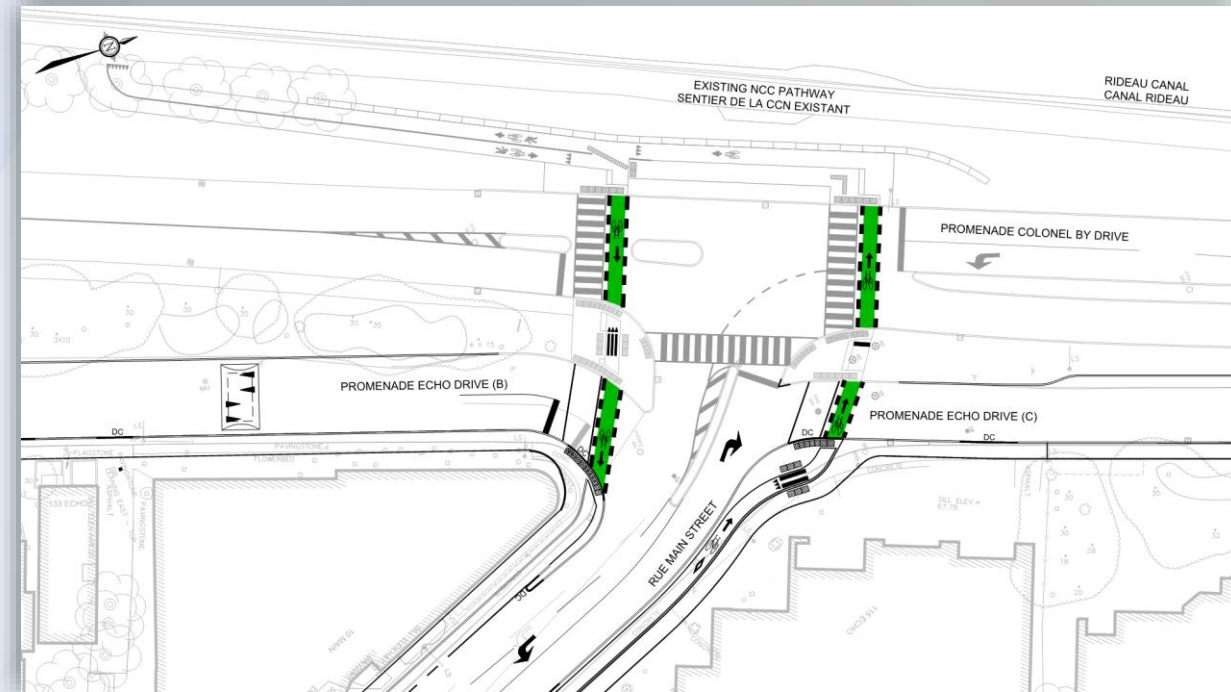
# Construction completed to date

## 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 in 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
  - Full functionality of the intersection will be realised once the cycling facilities have been constructed on Main Street with this project



*N.B. Echo Drive south of Main Street proposed to be modified to right out only*

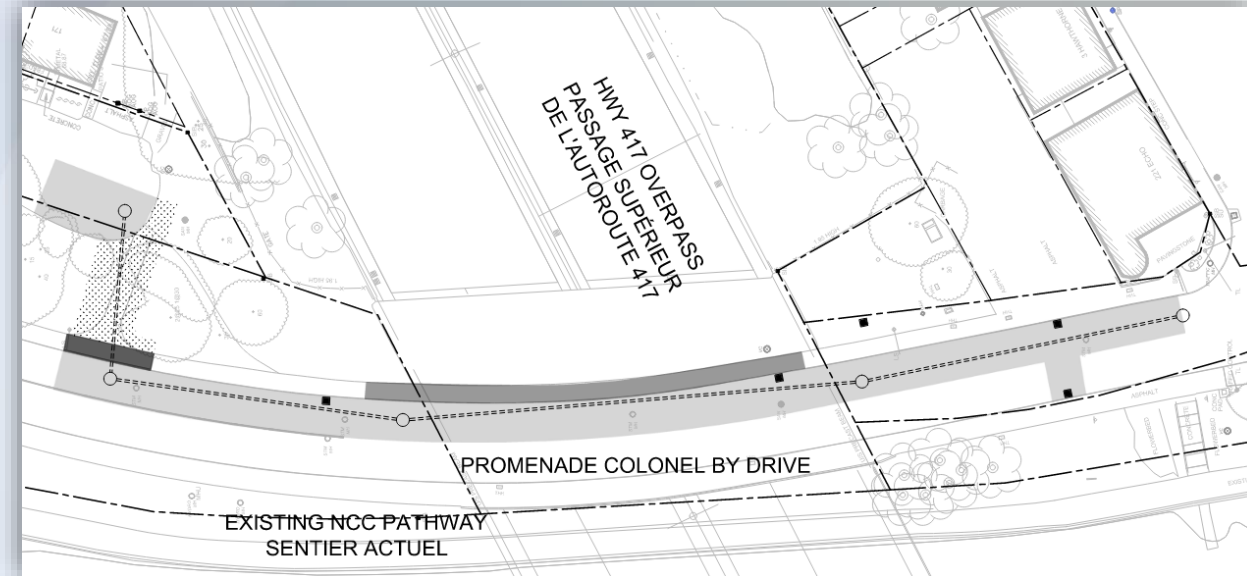
## Construction completed to date

### 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.



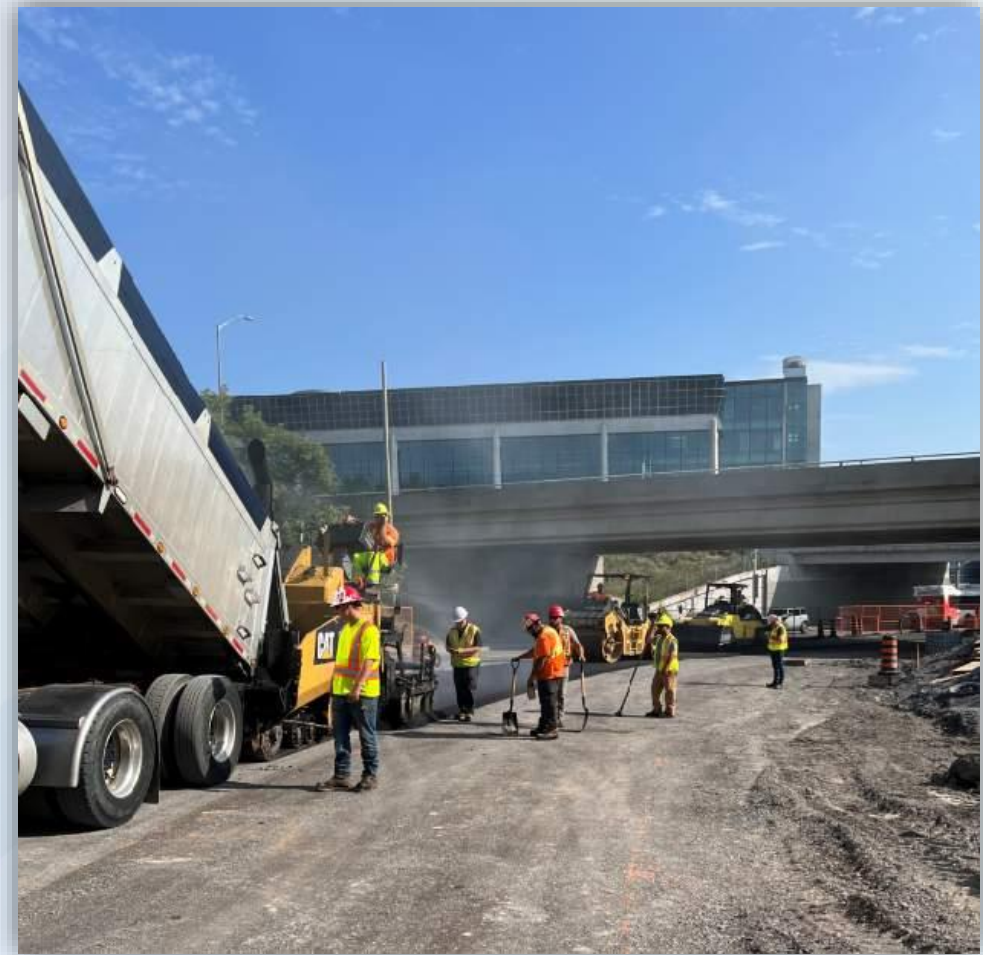
## Construction completed to date

### CP000136 – GMH et al. Reconstruction Project

In the fall of 2022, the City awarded this contract to GIP Construction Ontario East (formerly Aecon).

Completed construction under this contract includes:

- **Greenfield Avenue – Old Greenfield to King Edward Avenue:** New sewers and watermain have been commissioned. Electrical works, including activation of the new 417 intersection signals is complete. Concrete curbs and base asphalt have been installed. On the east side of the road, sidewalks and cycle tracks as well as concrete slope paving are complete. Activation of the cycling signals is pending construction of the adjacent cycle tracks.
- **Old Greenfield Avenue:** New sewers and watermain have been commissioned. Electrical works, concrete curbs and sidewalk and base asphalt, including the parking area, have been reinstated.

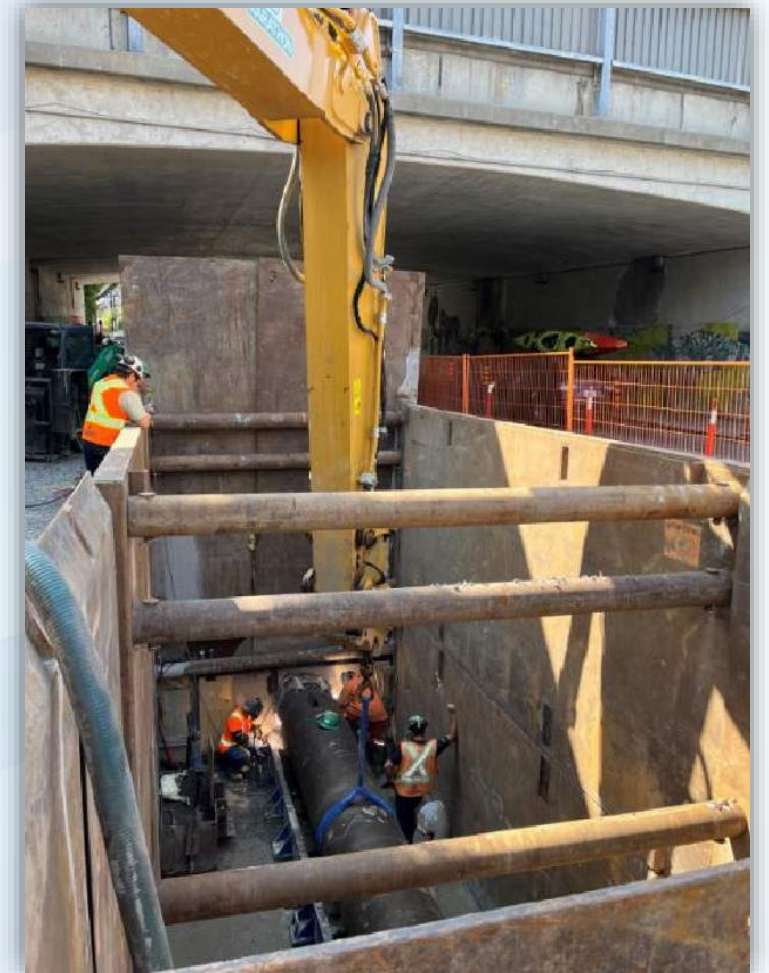


*Paving crew installing the base course asphalt layer on Greenfield Avenue between King Edward and the HWY 417 on ramp.*

## Construction completed to date

### CP000136 – GMH et al. Reconstruction Project

- **Echo Drive – Main Street to Concord Street North:** New sewers and watermain have been commissioned. Electrical works, concrete curbs and sidewalk and base asphalt have been reinstated.
- **Main Street - Hawthorne Avenue to Harvey Street:** Trenchless sanitary sewer installation is completed and the entrance and exit pits have been reinstated.
- **Echo Drive – Immaculata High School to Graham Avenue:** New sewers and watermain have been commissioned. Electrical works, concrete curbs and sidewalk and base asphalt have been reinstated. The new multiuse pathway has been completed along this section.
- **Lees Avenue Multiuse Pathway (MUP):** The Lees Avenue Multiuse pathway from King Edward to the OLRT pathway is completed.



*Crews welding the first piece of 914mm steel casing pipe to the cutter head for the trenchless sanitary sewer installation under the 417 Bridge on Main Street.*

# Construction completed to date

## CP000136 – GMH et al. Reconstruction Project

- **Echo Drive / Colonel By Drive – Graham Avenue to Hawthorne Avenue:** New sewers and watermain have been commissioned. Electrical works, concrete curbs and sidewalk are installed, and the base asphalt has been reinstated. The new multiuse pathway has been temporarily reinstated for the 2023 winter shut down.
- **Hawthorne Avenue – Colonel By Drive to Main Street:** New sewers and watermain have been commissioned. The road has been temporarily reinstated for the 2023 winter shutdown.

*Crews working on Hawthorne Avenue installing sewer and water services beneath the 1220mm backbone watermain, during the weekend road closure.*

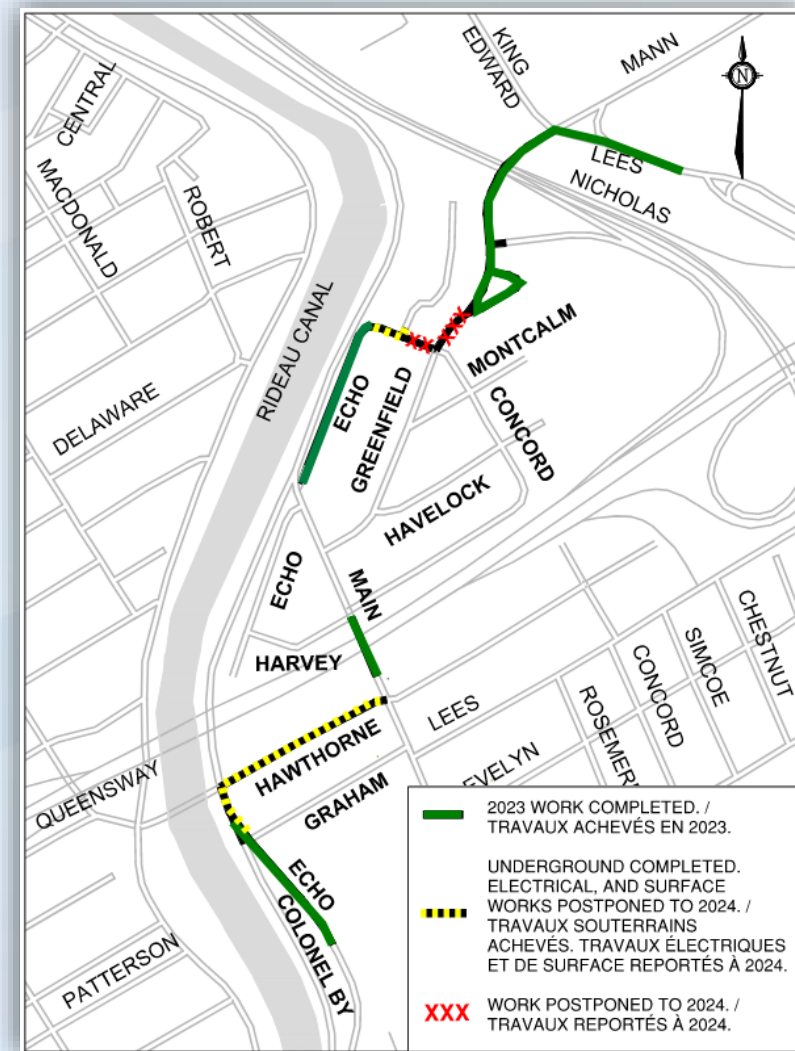


## Construction completed to date

### CP000136 – GMH et al. Reconstruction Project

Notable changes from the 2023 work plan:

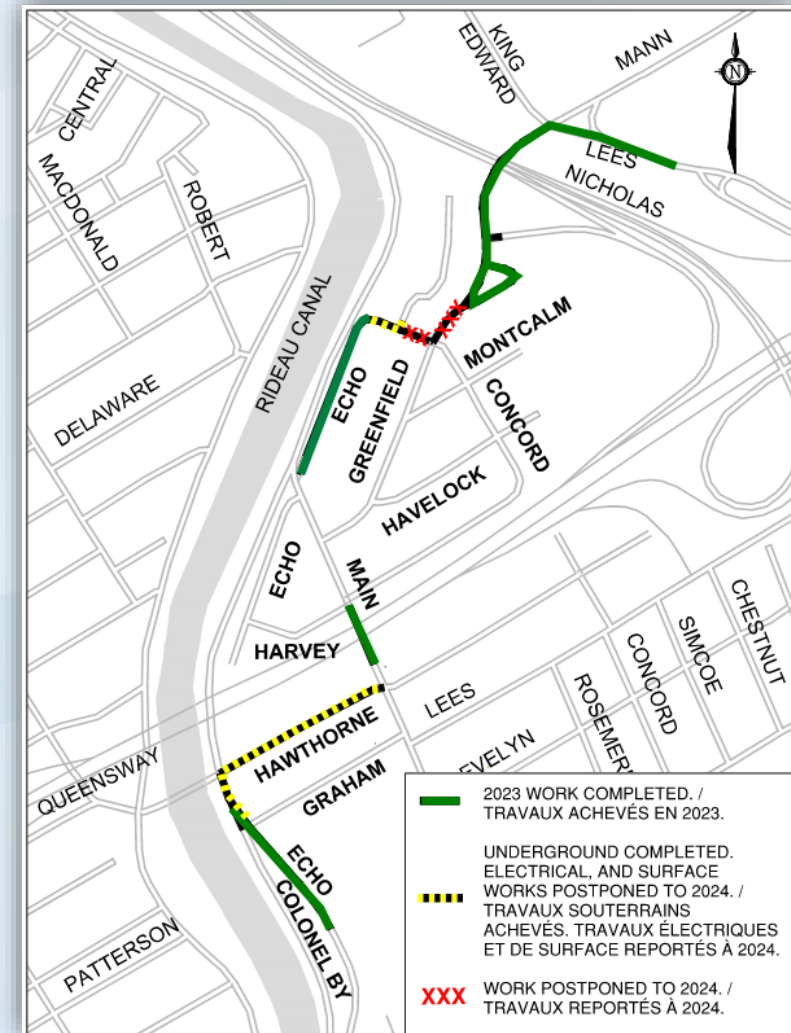
- **Greenfield Avenue – Old Greenfield to King Edward Avenue:** A portion of the sidewalk on the westside as well as the proposed retaining wall under Nicholas Bridge was postponed. Retaining wall work is expected early spring 2024, with sidewalk and cycle track installation planned for spring/summer 2024. This change is due to delays in relocating hydro ducts as a result of the Hydro Ottawa Strike that took place between June and September 2023. Soft landscaping reinstatement and the final lift of asphalt is still on track for summer 2024.
- **Greenfield Avenue – Concord Street North to Old Greenfield Avenue:** This work was postponed in its entirety to 2024 due to concerns about traffic disruptions and potential requirements for extensive night work.



# Construction completed to date

## CP000136 – GMH et al. Reconstruction Project

- **Concord Street North – Echo Drive to Greenfield Avenue:** This work was postponed in its entirety to 2024 as the connecting section on Greenfield Avenue could not be completed. The new watermain has been installed up to Kings Landing with the purpose of limiting water disruptions to residents of Kings Landing and the Brownstones in 2024.
- **Hawthorne Avenue – Colonel By Drive to Main:** Electrical works including undergrounding of the overhead Hydro Lines and the Colonel By Drive and Hawthorne Avenue intersection improvements has been postponed to 2024. As a result, the final surface reinstatement and cycling infrastructure is postponed to 2024. Soft landscaping reinstatement and the final lift of asphalt is still on track for summer 2024.
- **Lees Avenue multi-use pathway (MUP):** This MUP was originally scheduled for 2025 but was brought forward to the 2023 construction season as there was availability for these crews, due to scheduling changes listed above.





# Construction completed to date

## CP000136 – GMH et al. Reconstruction Project

### Underground works:

- **Watermain** – 1040m of 2070m have been installed representing 50% completion of the overall project. This includes the removal of watermain installations dating back to 1908 on Hawthorne Avenue.
- **Sewers**
  - **Sanitary sewer** – 1020m of 2120m have been installed representing 48% completion of the overall project.
  - **Storm sewer** – 910m of 2020m have been installed, representing 45% completion of the overall project.

This includes the separation of sanitary and storm sewer flows by removal of combined sewer installations dating back to 1934.

### Surface works:

- **Asphalt road reinstatement** – 1962 of 6273 tonnes of base lift asphalt have been placed, representing 31% completion of the overall project.
- **Concrete curb** – 1150m of 3174m have been installed representing 36% completion of the overall project.
- **Concrete sidewalks** – 1680m<sup>2</sup> of 3744m<sup>2</sup> have been installed representing 45% completion of the overall project.
- **Cycle tracks and MUP's** – 186 of 530 tonnes of asphalt has been placed, representing 35% completion of the overall project.

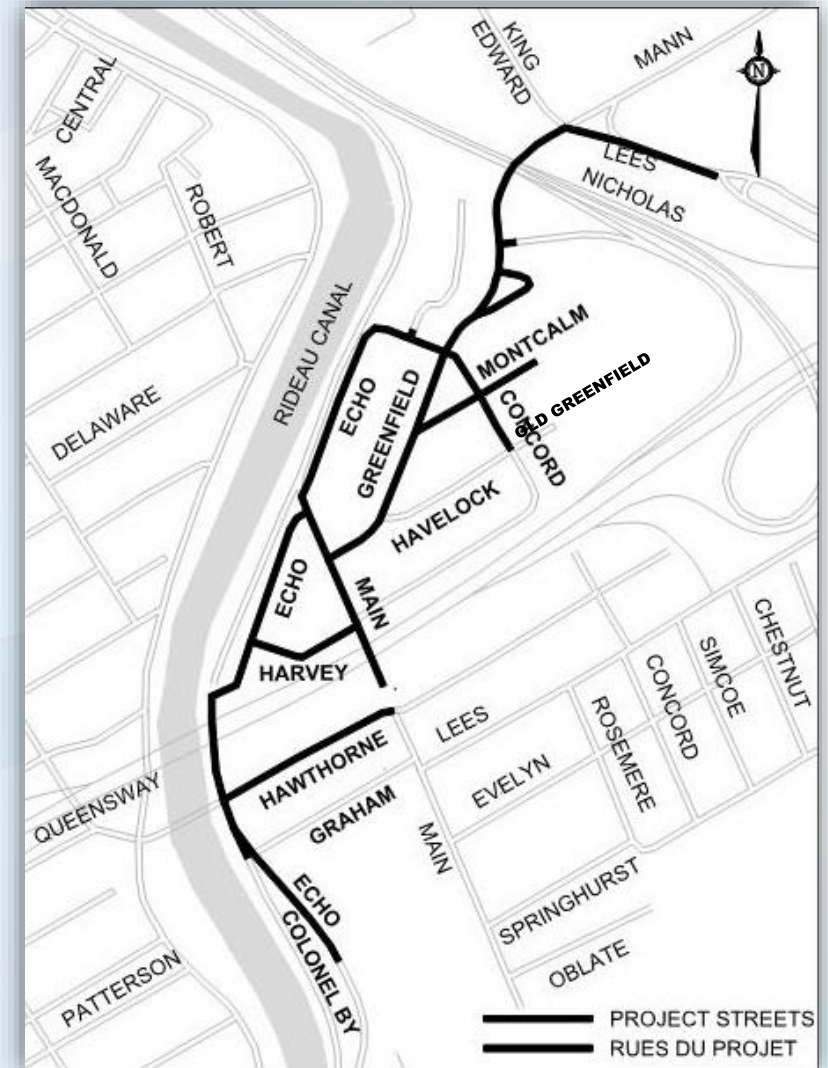
# Upcoming construction

CP000136 – Greenfield, Main, Hawthorne et al. Reconstruction

## 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.

Depending on required preparatory work, notices for pre-construction property surveys, tree removal, or utility related work may be distributed to affected areas.



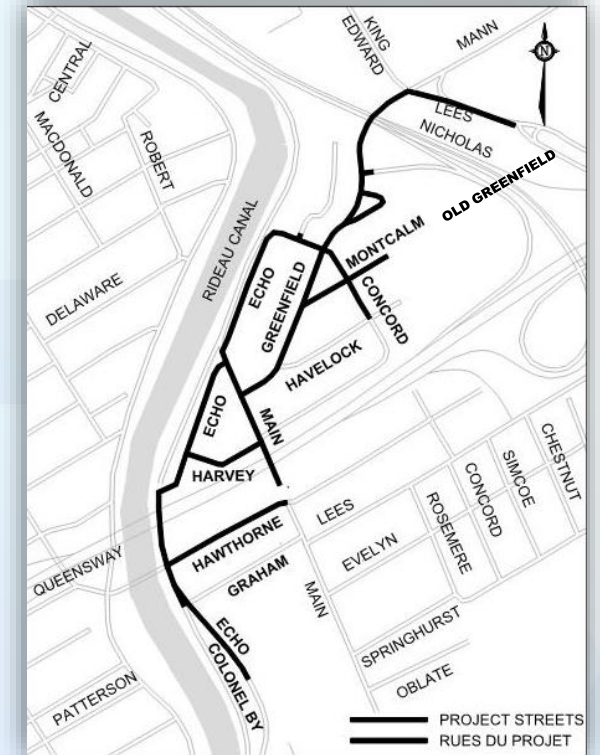
# Upcoming construction

## CP000136 – Greenfield, Main, Hawthorne et Al. Reconstruction

GIP's preliminary contractual activities are underway and physical construction will continue in early 2024.

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 Concord Street North) (Referred to as Echo C)
- Greenfield Avenue (Main Street to King Edward Avenue)
- Hawthorne Avenue (Colonel By Drive to Main Street)
- Harvey Street (Main Street to Echo Drive)
- Main Street (Hawthorne Avenue to Echo Drive)
- Montcalm Street (Greenfield Avenue to dead-end)



# Anticipated construction schedule

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

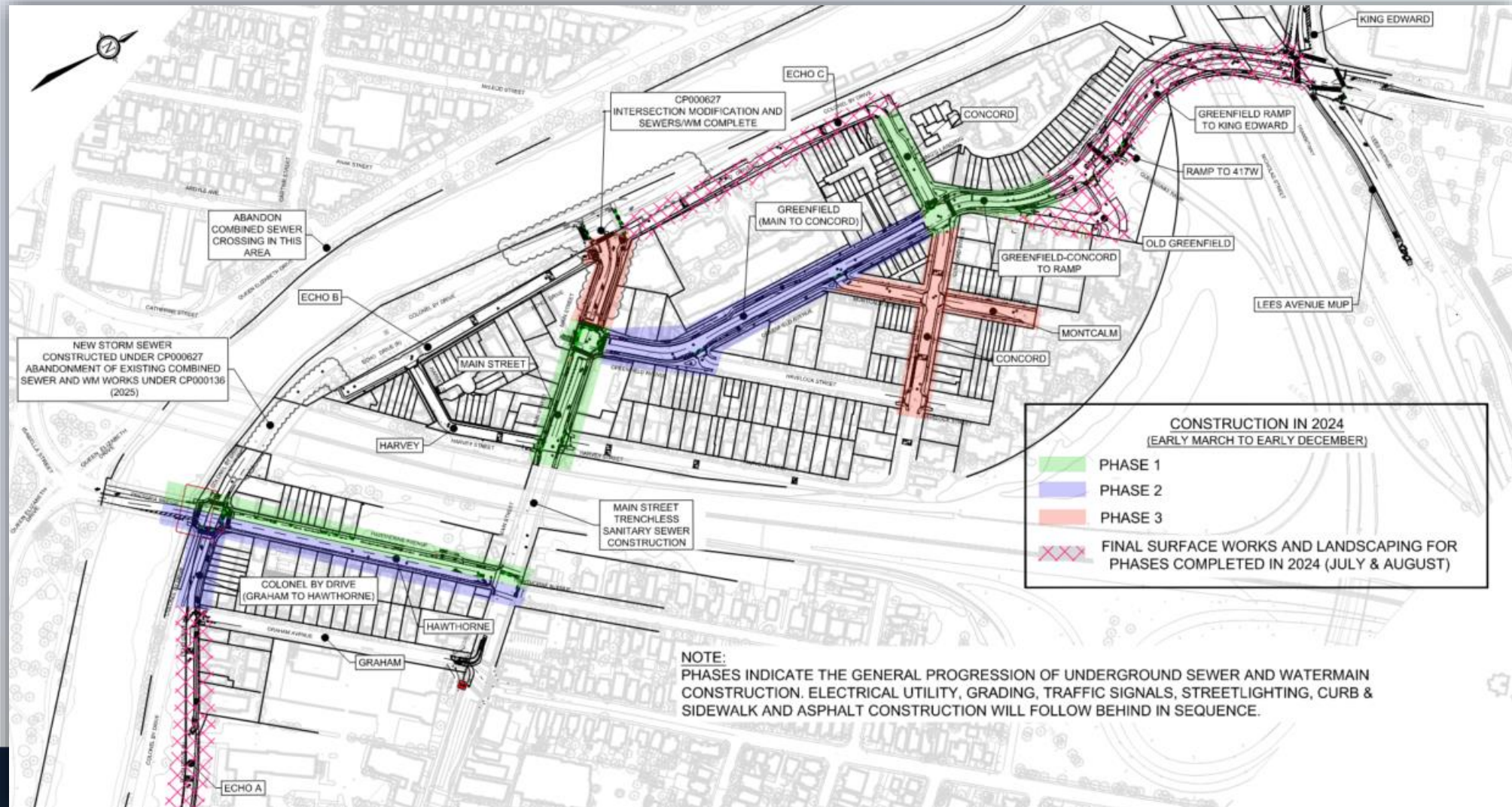
## **Construction periods are generally expected as follows:**

**2024** – Early March 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 (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).

**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.

**Concord Street (Echo Drive to Havelock Street)** – Closed to local traffic only.

**Montcalm Street (Greenfield Avenue to dead end)** – Closed to local traffic only.

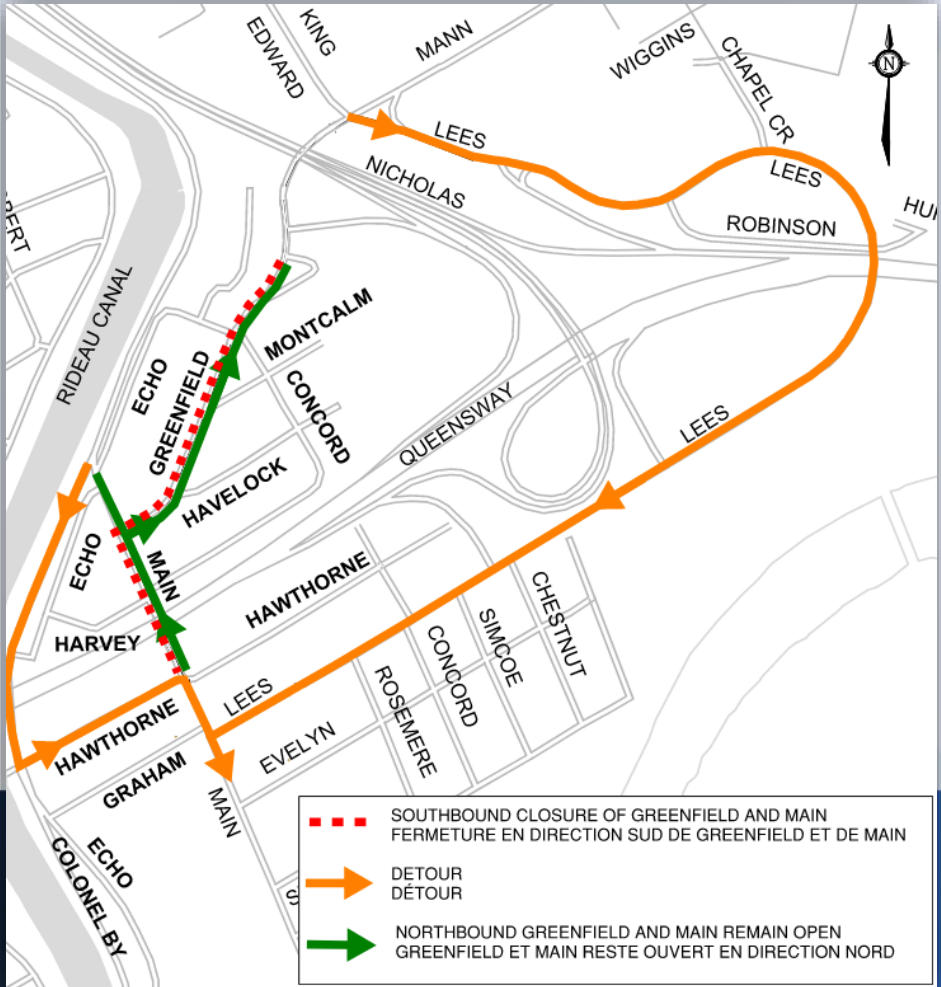
*Please note that the above streets will see final layer of asphalt, miscellaneous reinstatements and landscaping completed in 2025. Roadways will remain open with localized traffic control/flagging employed to complete works.*

# Traffic management during construction

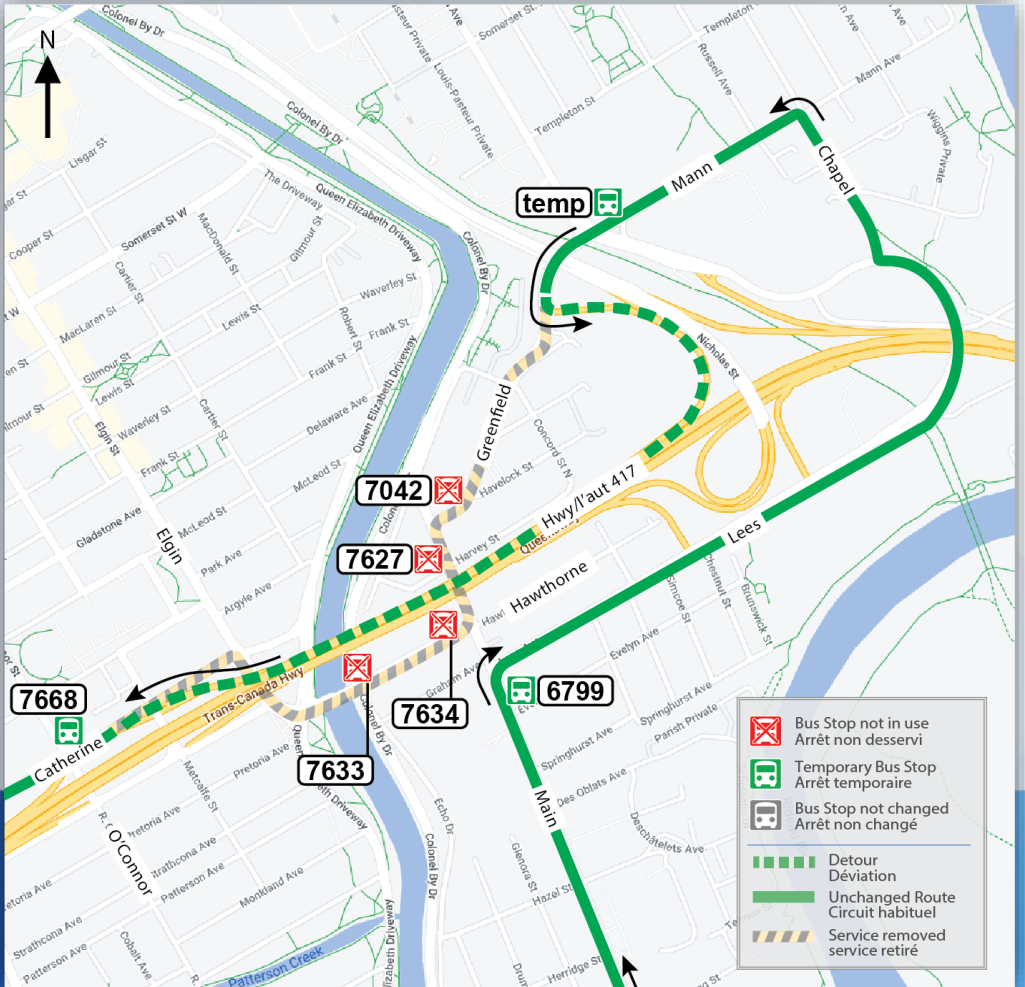
## Construction in 2024

Detour route for the southbound closure of Main Street and Greenfield Avenue.

Detour – Vehicular Traffic



Detour – OC TRANSPO



# Traffic management during construction

## Construction in 2024

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

**Colonel By Drive (Graham Avenue to Hawthorne Avenue)** – Maintain as a one-lane in each direction.

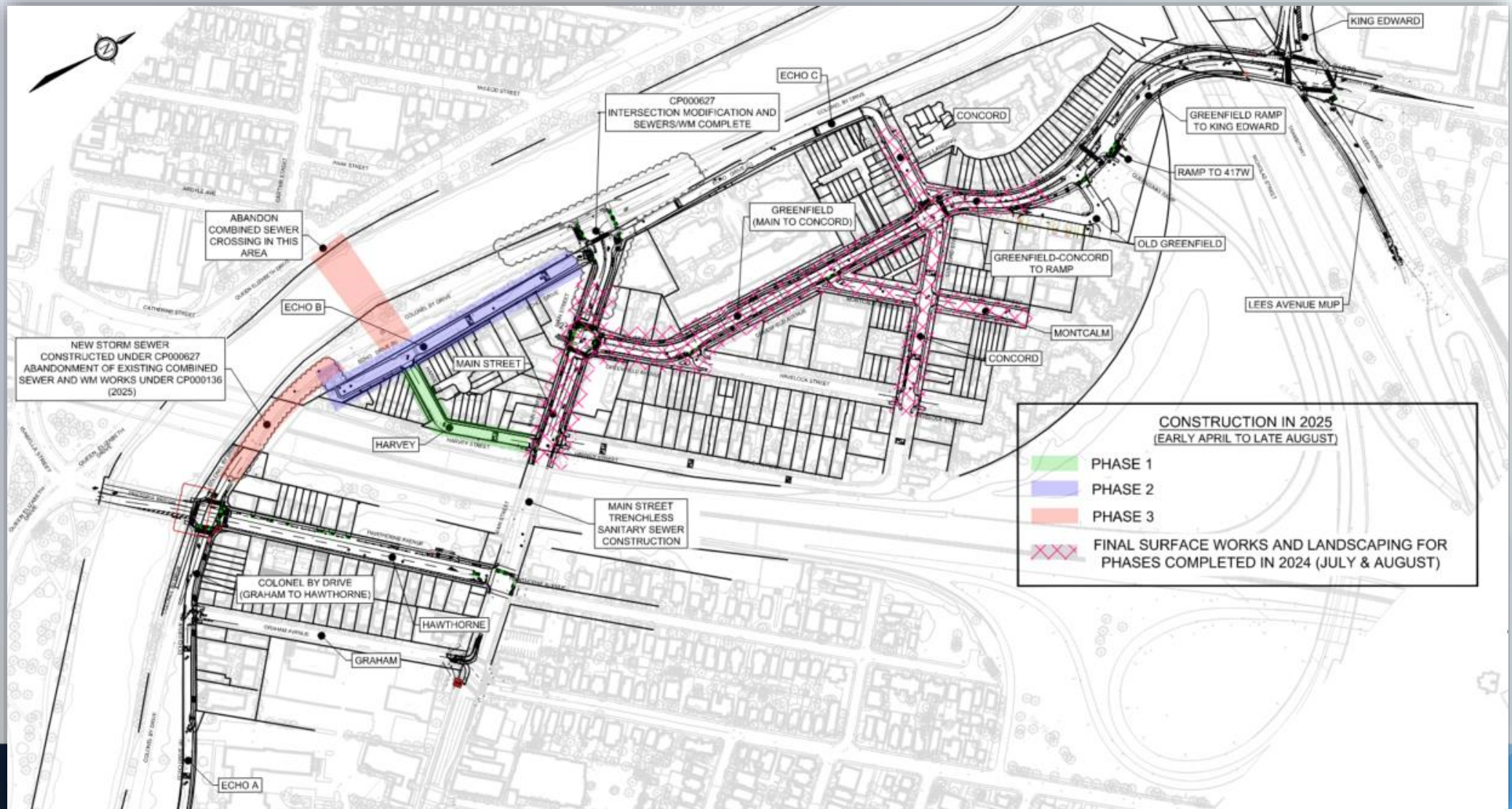
**Echo Drive (Main Street to Concord Street North)** – Will remain open with localized traffic control/flagging employed to complete final layer of asphalt, miscellaneous reinstatements and landscaping

**Echo Drive (Project limits: Immaculata High School to Graham Avenue)** – Will remain open with localized traffic control/flagging employed to complete final layer of asphalt, miscellaneous reinstatements and landscaping

**Old Greenfield Avenue** – Will remain open with localized traffic control/flagging employed to complete final layer of asphalt, miscellaneous reinstatements and landscaping



# Proposed sequence and timing of construction (2025):

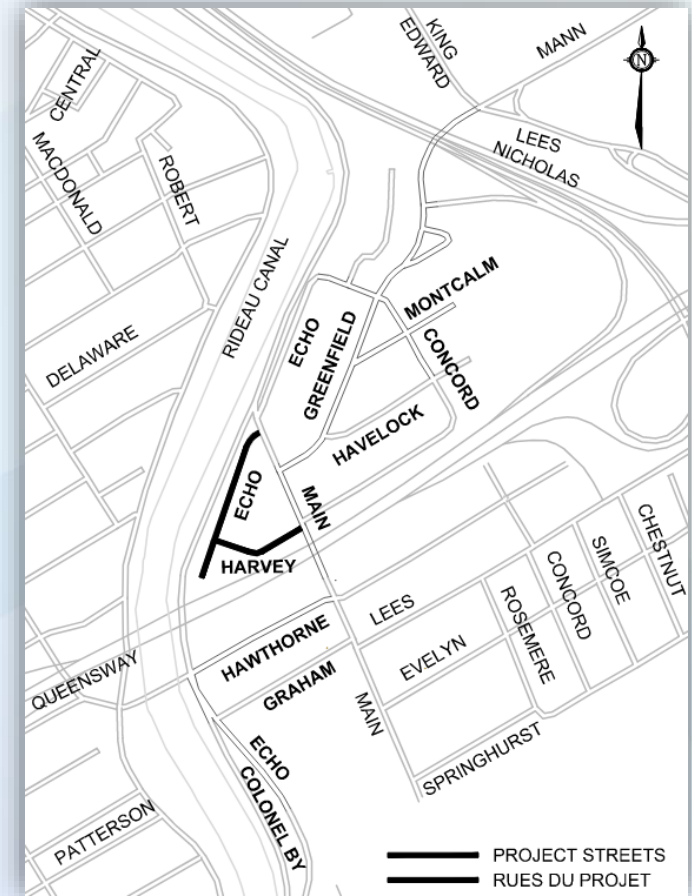


# Traffic management during construction

## Construction in 2025

**Echo Drive (dead-end at Highway 417 to Main Street)-**  
Closed to local traffic only.

**Harvey Street (Main Street to Echo Drive) –** Closed to local traffic only.



# Traffic management during construction

**Traffic Control Representative** - A requirement of the GIP 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.

GIP 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. Residents with electric vehicles will need to find alternative charging arrangements when access is restricted. The use of extension cords within the public right of way is not permitted. 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 a disability-related accommodation 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** –OC Transpo 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.

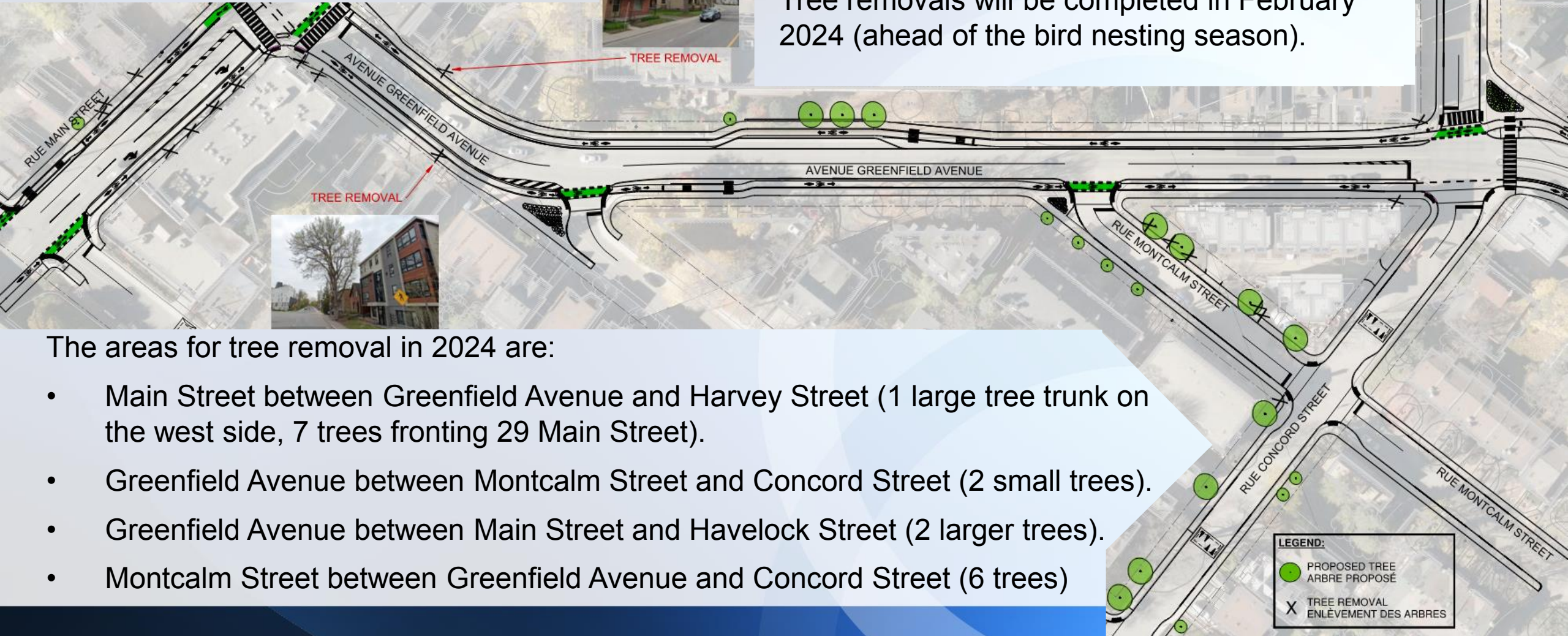
For example, to complete construction of the water distribution system, the existing system must first be isolated (requiring an excavation at the stand post that services your property), then another excavation is required to place the new watermain and service to the property line and finally a third 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 streetlights, traffic control systems and private utilities), followed by road construction.



# Tree removals

Tree removals will be completed in February 2024 (ahead of the bird nesting season).



The areas for tree removal in 2024 are:

- Main Street between Greenfield Avenue and Harvey Street (1 large tree trunk on the west side, 7 trees fronting 29 Main Street).
- Greenfield Avenue between Montcalm Street and Concord Street (2 small trees).
- Greenfield Avenue between Main Street and Havelock Street (2 larger trees).
- Montcalm Street between Greenfield Avenue and Concord Street (6 trees)

# Pre-construction survey

As part of their contract with the City, GIP 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.

GIP intends on completing the pre-construction surveys and inspections between February and March 2024. Inspections will be phased based on scheduling of work, and notices will be provided in advance.

More details will be provided in the forthcoming construction notices from Englobe Corp.



# 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.

For additional information on the City's Lead Pipe Replacement Program, please visit:

[ottawa.ca/leadpipes](http://ottawa.ca/leadpipes)

# 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.

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](mailto: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.

# Special considerations

## Private trees

Due to the planned tree removals and limited available City Property, the City is looking at supplying and installing trees on private property adjacent to the City's ROW. If residents are interested in a private tree please contact [gmh@ottawa.ca](mailto:gmh@ottawa.ca), so we can assess whether your property is a suitable candidate.

Please note that your property must have a minimum of 5.5m from the building face to the City's property line or proposed back of sidewalk, and not be encumbered by underground utilities or other adjacent constraints.

# 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](http://ottawa.ca/gmhreconstruction)

**Project email address:**

[gmh@ottawa.ca](mailto:gmh@ottawa.ca)

**E-Newsletter subscription:**

[ottawa.ca/esubscriptions](http://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  
Tel: 613-580-2424, ext. 29843  
Email: [patrick.sammon@ottawa.ca](mailto:patrick.sammon@ottawa.ca)

## GIP Construction Ontario East Ltd

**Travis Jones, P.Eng.**

Project Manager  
3232 Carp Road Carp, ON K0A 1L0  
Mobile: 613-314-7690  
Email: [trjones@gipi.com](mailto:trjones@gipi.com)

## NOVATECH Engineers, Planners & Landscape Architects

**Benjamin Tardioli, P.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](mailto:b.tardioli@novatech-eng.com)

# Thank you

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

Please provide comment via the [online form](#) by **March 5, 2024.**

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  
Tel: 613-580-2424, ext. 29843  
Email: [patrick.sammon@ottawa.ca](mailto:patrick.sammon@ottawa.ca)

**Greenfield Avenue, Main Street,  
Hawthorne Avenue et al.  
reconstruction project**

**Please provide your  
feedback**



Link expires March 5, 2024, at 11:59 PM