

# Manotick (Phase 1) and North Island Watermain Link

Online Engagement Opportunity

# Welcome

## Welcome to the Manotick (Phase 1) and North Island Watermain Link Project (MWL) Online Engagement Opportunity.

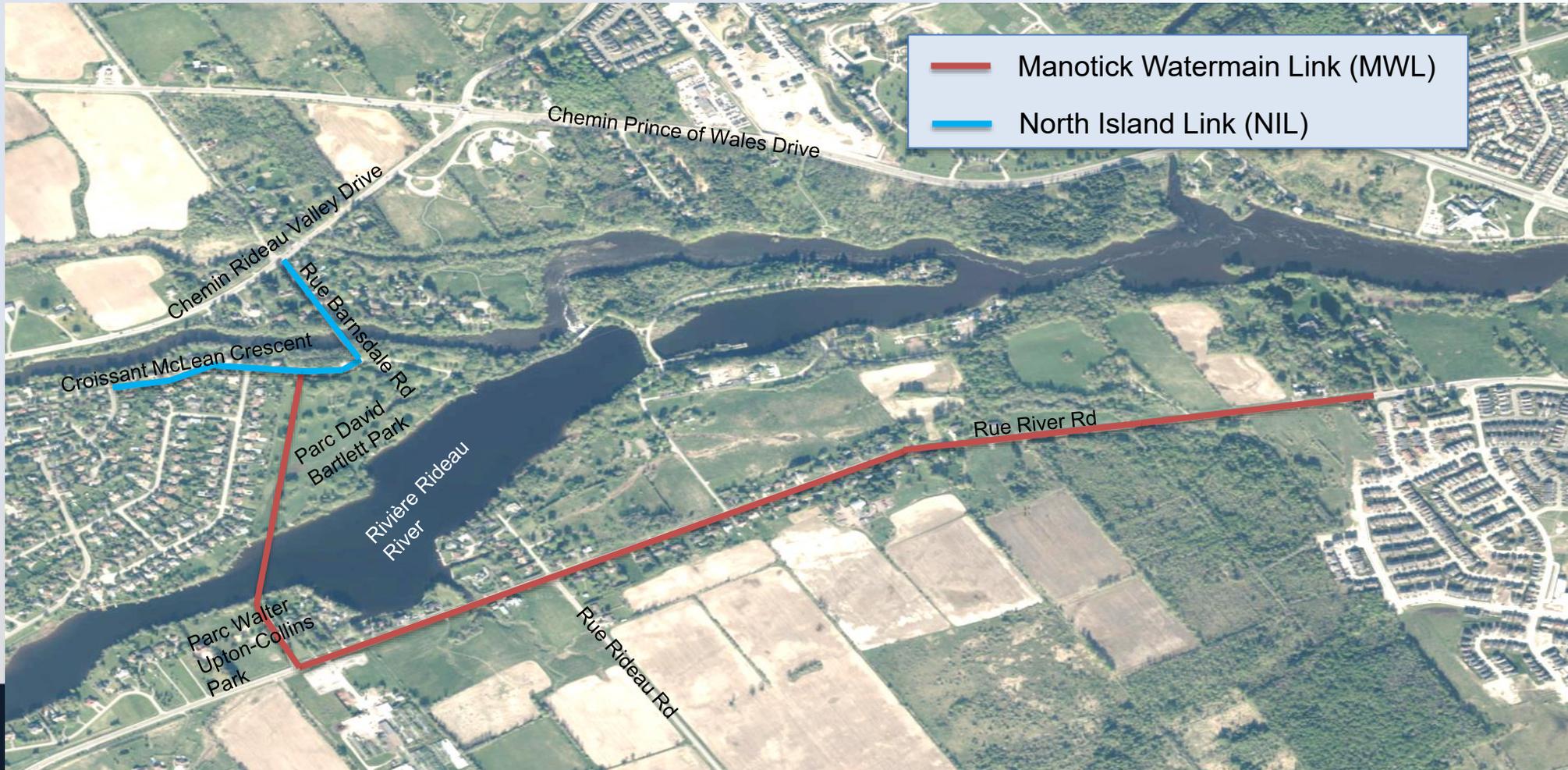
The City has a proactive communications approach. The project team will update you on the project using different methods to communicate including letters and posting information on Ottawa.ca.

The purpose of this Online Public Information Session is to present the detailed design and to inform residents and business owners of the upcoming construction activities.

Please review the information presented and **provide your comments by phone or email**, as noted on the last page of this document, **by Friday June 12, 2020**.

# Project Limits

Refer to project display and landscaping drawing boards for additional details



# Project Overview

- Construction of a 600 mm transmission watermain in the following areas:
  - East side of River Road: Solarium Avenue to Walter Upton-Collins Park
  - Through Walter Upton-Collins Park to David Bartlett Park, crossing under the east branch of the Rideau River
  - Through David Bartlett Park to McLean Crescent
  - McLean Crescent: David Bartlett Park to Barnsdale Road
- Construction of a 400 mm watermain on Barnsdale Road: McLean Crescent to Rideau Valley Drive, crossing under the west branch of the Rideau River.
- Construction of a 400 mm watermain on McLean Crescent: David Bartlett Park to Bravar Drive
- Construction of a 300 mm watermain on McLean Crescent: Bravar Drive to Driscoll Drive
- Construction of a 150 mm local watermain on the west side of River Road: Solarium Avenue to Nicholls Island Road
- Construction of a 150 mm local watermain on Barnsdale Road: Rideau Valley Drive to Lockview Road
- Reinstatement of the roadway, grassed boulevard and affected landscaped areas once the underground work is complete. No changes to the existing road geometry are proposed.
- Culvert replacement at the intersection of Barnsdale Road and Rideau Valley Drive.
- Culvert Replacement on Long Island Road at Hill Top park.
- Decommissioning of a communal pressure reducing valve located in McLean Park.

# Why This Project Is Important

- The latest Infrastructure Master Plan (IMP) update identified the need for a new transmission watermain to service the growing south urban community. The Manotick Watermain Link (MWL) and North Island Watermain Link (NIL) will improve system redundancy and reliability of water supply to Manotick and the Ottawa South areas while accommodating future water demands of both communities.
- This project includes detailed design and construction of Phase 1 of the MWL and the NIL.
- Ultimately, both phases of the MWL and the NIL will also provide additional capacity to service new planned developments.

# Anticipated Construction Impacts and Timing

## River Road

Scope of work: Construction of a 600 mm transmission main on the east side of the road between summer and fall of 2020; installation of a 150 mm local watermain on the west side of the road between spring and late summer of 2021.

CONSTRUCTION IMPACT	MITIGATION STRATEGY
Construction of the 600 mm transmission watermain will encroach into the east lane of traffic on River Road.	Shift the road alignment to the west to allow room for construction, while maintaining a 3.5 m wide paved lane of traffic in each direction.
Paved cycling lane will not be accessible during construction	A cycling detour has been developed and can be found on the City of Ottawa website and on the next slide.
Access to private driveways fronting River Road within the construction zone.	Access to all properties will be maintained by the contractor for the duration of the project.
Construction of the 150 mm local watermain will encroach into the west lane of traffic on River Road.	Shift the road alignment to the east to allow room for construction, while maintaining a 3.5 m wide paved lane of traffic in each direction.

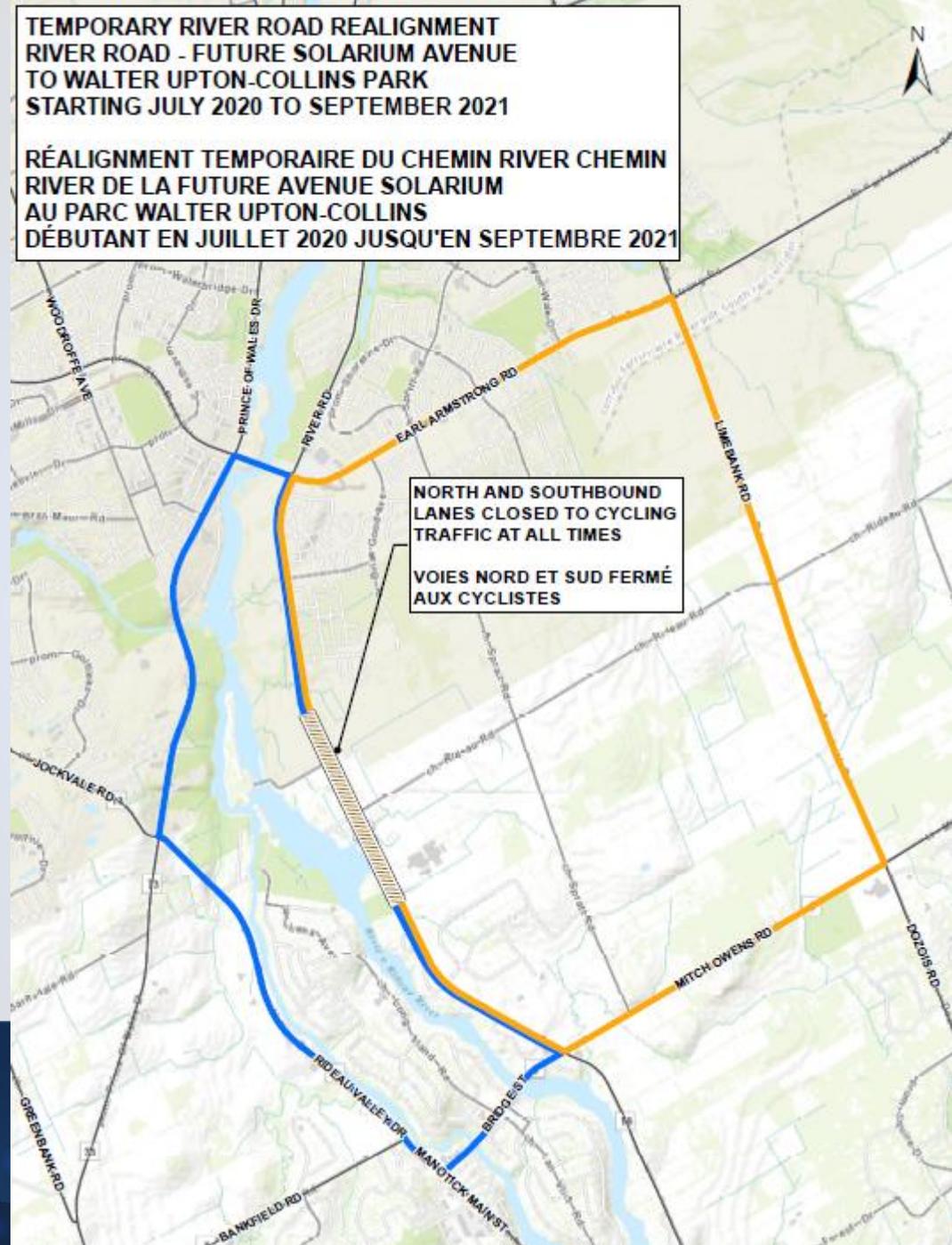
# River Road Cycling Detour:

TEMPORARY RIVER ROAD REALIGNMENT  
RIVER ROAD - FUTURE SOLARIUM AVENUE  
TO WALTER UPTON-COLLINS PARK  
STARTING JULY 2020 TO SEPTEMBER 2021

RÉALIGNMENT TEMPORAIRE DU CHEMIN RIVER CHEMIN  
RIVER DE LA FUTURE AVENUE SOLARIUM  
AU PARC WALTER UPTON-COLLINS  
DÉBUTANT EN JUILLET 2020 JUSQU'EN SEPTEMBRE 2021

## Legend / Légende

- CONSTRUCTION ZONE / ZONE DE CONSTRUCTION
- DETOUR 1 / DÉVIATION 1
- DETOUR 2 / DÉVIATION 2



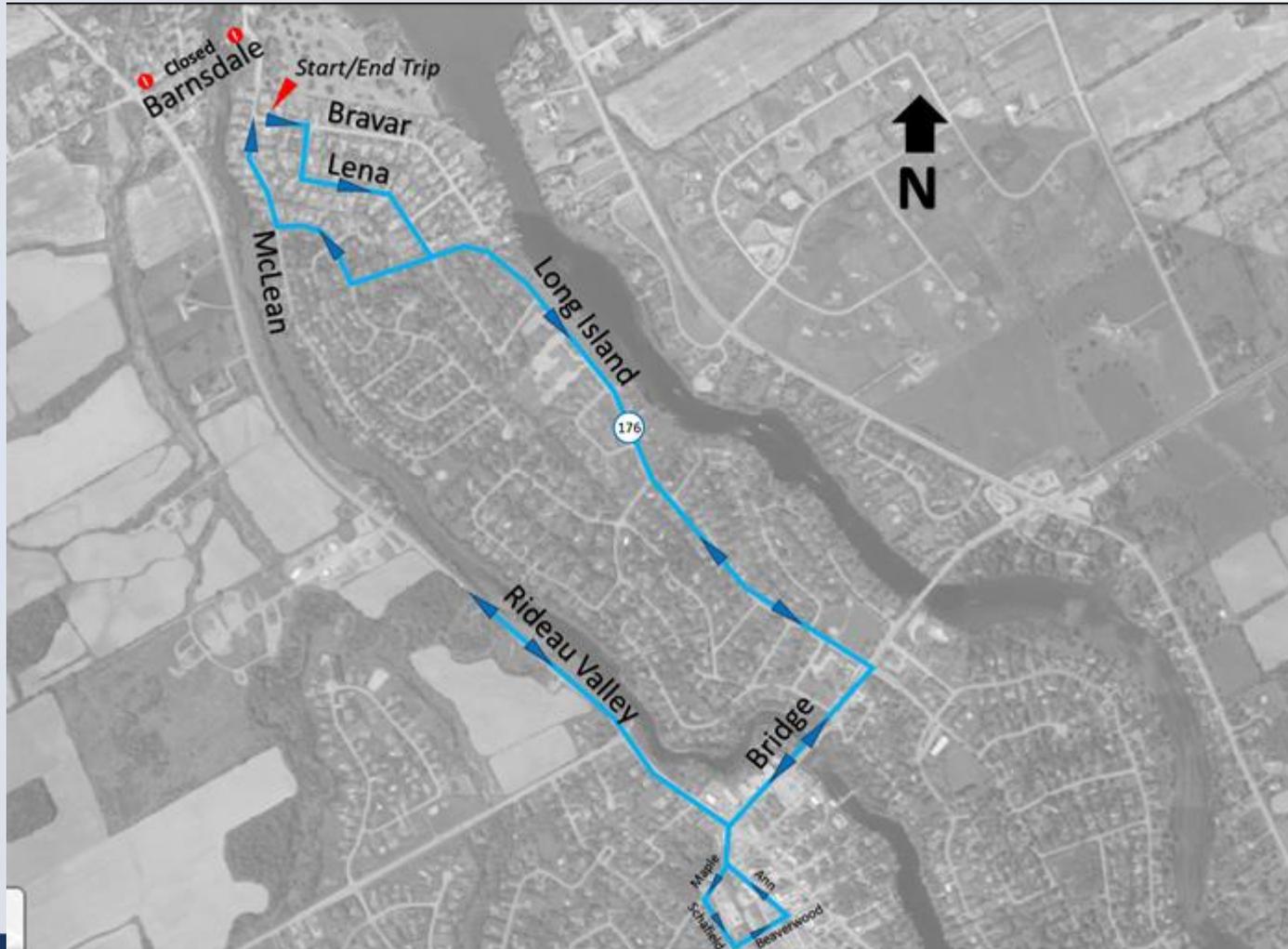
# Anticipated Construction Impacts and Timing

## Barnsdale Road and Rideau Valley Drive

Scope of Work: Construction of a 400 mm watermain under the west branch of the Rideau River by Horizontal Directional Drilling (HDD), from David Bartlett Park to Rideau Valley Drive; construction of a 150mm local watermain between Rideau Valley Drive and Lockview Road. All of this work is scheduled to take place between the late spring and fall of 2021.

CONSTRUCTION IMPACT	MITIGATION STRATEGY
Barnsdale Road will be closed between Rideau Valley Drive and Lockview Road between approximately June and September, 2021	Pedestrian and cycling traffic will be detoured through Beryl Gaffney Park to Lockview Road. Vehicular traffic will be detoured to Bridge Street. McLean Bridge will remain open.
Access to private driveways on Barnsdale Road between Rideau Valley Drive and Lockview Road	Access to all properties will be maintained by the contractor for the duration of the project.
Transit detours as a result of the road closure	When Barnsdale Road is closed, OC Transpo Route 176 will be re-routed to service the north end of the Island from Bridge Street. The anticipated detour route is shown on the next slide. Notification will be provided in advance of implementation.
Traffic delays at the intersection of Rideau Valley Drive and Barnsdale Road	One lane of traffic in each direction will be maintained at all times on Rideau Valley Drive. A complete closure of this intersection over a weekend period will be required in 2021 to make the final watermain connections. Notification will be provided in advance of implementation.

# OC Transpo Route 176 Detour:



# Anticipated Construction Impacts and Timing

## McLean Crescent

Scope of work: Construction of a 600 mm transmission watermain between Barnsdale Road and the south limit of David Bartlett Park; construction of a 400 mm watermain from David Bartlett Park to Bravar Drive, and a 300 mm watermain from Bravar Drive to Driscoll Drive. All of this work is scheduled to take place between the late spring and fall of 2021.

CONSTRUCTION IMPACT	MITIGATION STRATEGY
McLean Crescent will be closed between Barnsdale Road and Bravar Drive, between approximately June and September, 2021	Pedestrian and cycling traffic will be maintained through the closure. Vehicular traffic will be detoured to Bridge Street. McLean Bridge will remain open. This closure will not be permitted to happen at the same time as the Barnsdale Road closure.
Lane reductions on McLean Crescent, between Bravar Drive and Driscoll Drive	Traffic Control Persons (TCP) and proper signage will facilitate safe passage of vehicles, pedestrians and cyclists through the active construction zone.
Transit detours as a result of the road closure	When McLean Crescent is closed, OC Transpo Route 176 will be re-routed to service the north end of the Island from Bridge Street. The anticipated detour route is shown on the previous slide. Notification will be provided in advance of implementation.

# Anticipated Construction Impacts and Timing

## Walter Upton-Collins Park and David Bartlett Park

Scope of Work: Construction of a 600mm transmission watermain through both parks, from River Road in the east to McLean Crescent in the west. Horizontal Directional Drilling (HDD) will be used to construct the watermain under the east branch of the Rideau River. Construction in Walter Upton Collins Park and under the Rideau River is anticipated from summer to fall of 2020; construction in David Bartlett Park is expected in 2021.

CONSTRUCTION IMPACT	MITIGATION STRATEGY
Open cut watermain installation through the parks and staging for HDD under the Rideau River will require that the parks be closed to the public during construction.	Walter Upton-Collins Park will be closed during the summer and fall of 2020. David Bartlett Park will be closed during construction in 2021. Limited access to local residents may be provided in areas not impacted by construction. Residents will be encouraged to utilize Beryl Gaffney Park for the duration of the closure.

# Schedule

- Compile comments from this Online Public Information Session and post a summary on-line
- Finalize the design drawings in May/June, 2020
- Tender the construction contract in May/June, 2020
- Construction is planned to commence in the summer of 2020 and extend over two construction seasons

# Thank you

Thank you for visiting the project's information boards. We encourage and welcome your feedback on the upcoming construction.

Please email your comments to the address shown below **by Friday, June 12, 2020.**

## **City Project Manager**

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