

Village of Richmond Forcemain Twinning

Online Engagement Opportunity
(June 24 to July 8, 2020)



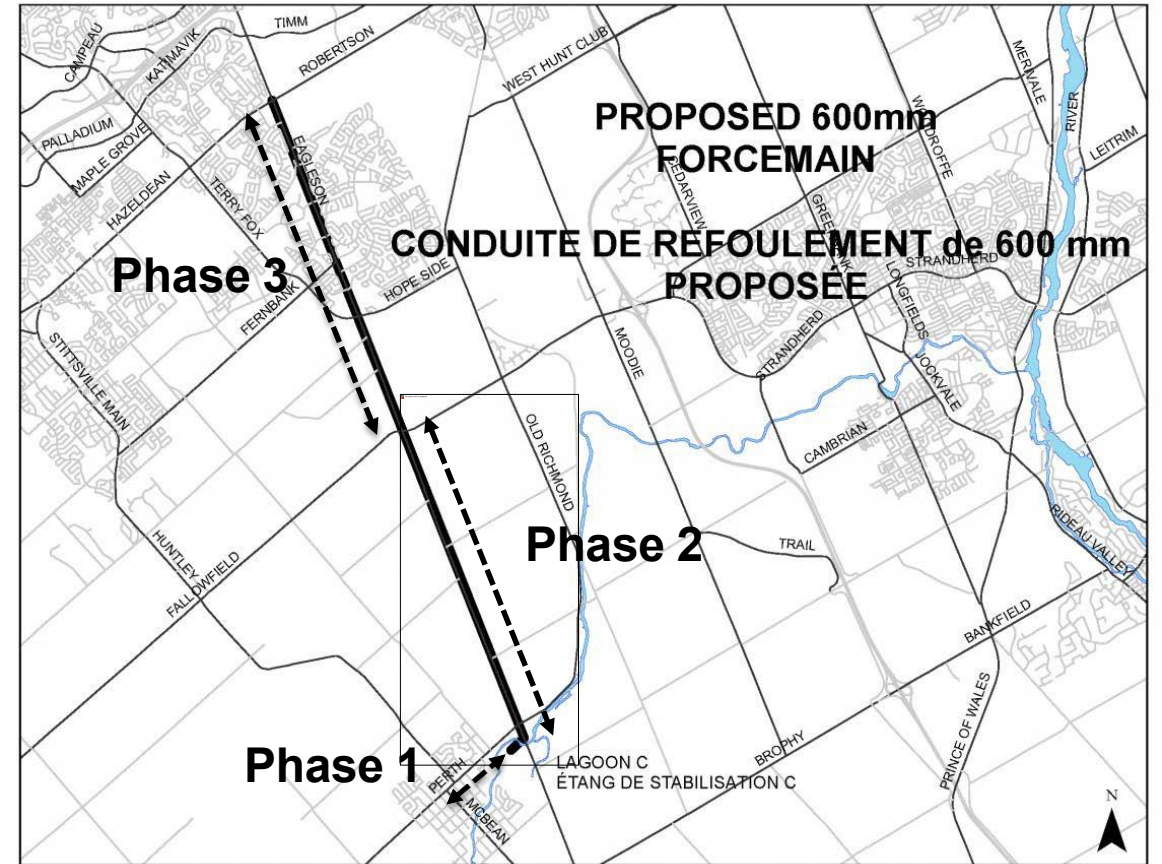
Welcome

Welcome to the Village of Richmond Forcemain Twinning Project's 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 preliminary 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 **Wednesday, July 8, 2020**.

Project Limits

- Refer to project display drawing boards for additional details.



Project Importance

The City of Ottawa is undertaking the twinning of the existing Richmond Sanitary Forcemain sewer from the Richmond Sanitary Pumping Station in the village of Richmond and along Eagleson Road to Hazeldean Road. The existing sanitary forcemain is being twinned to provide extra sewage capacity for the new Richmond Village development. Twinning of the sewer will improve the reliability and operations of the existing village of Richmond wastewater pumping station and will extend the lifespan of the existing forcemain. The project is being designed and constructed in phases:

Phase 1 (Constructed in 2017)

- From the Richmond Sanitary Pumping Station to a branch pipe adjacent to Lagoon Cell 'C'.

Phase 2 (To be designed and constructed as part of the current project)

- From the branch pipe connection adjacent to Lagoon Cell 'C', across the Jock River, and east to Eagleson Road; and,
- Eagleson Road from south of Perth Street to just south of Fallowfield Road.

Phase 3 (To be designed as part of the current project, and constructed as part of future works)

- Eagleson Road from south of Fallowfield Road to Hazeldean Road.

Project Overview (1)

The **Phase 2** work includes:

Sanitary Forcemain and Valve Chambers

- Approximately 6.1 kilometres (of the ultimate 12.4 kilometre length) of 600 millimeter diameter forcemain from existing branch pipe connection at Lagoon Cell 'C' to just south of Fallowfield Road
- Trenchless crossing of Jock River, including entry and exit pits.
- Air release and drain valve chambers at forcemain high and low points, respectively.
- Interconnection with existing 500 millimeter diameter forcemain just south of Fallowfield Road.

Eagleson Roadside (and Major) Culvert Crossings

- 2010 millimeter x 1530 millimeter pipe arch culvert, approximately 140 metres north of Perth Street.
- 2100 millimeter diameter culvert at Rushmore Road.
- Other medium (600-1700 millimeter) sized culvert crossings along the forcemain corridor.
- Existing road side culverts at private entrances may be temporarily impacted during construction.

Project Overview (2)

Landscaping, Reinstatement and Site Access

- Some tree removal will be required along the proposed forcemain corridor between Lagoon Cell 'C' and the Jock River crossing site to allow for construction of the forcemain and to provide an accessible, clear area above the pipe for maintenance.
- Existing trees in the City right of way along Eagleson Road will be protected during construction.
- Portions of the existing ditch along the east side of Eagleson Road will be re-graded, as required.
- Access to connecting side roads (Old Richmond Road, Cambrian Road, and Rushmore Road) and private entrances off of northbound (east side) Eagleson Road will be temporarily interrupted and/or by-passed to permit forcemain construction.
- Portions of the naturalized trail system adjacent to, and in the immediate vicinity of, Lagoon Cell 'C' will be periodically inaccessible during construction.

What to Expect (1)

During construction, there will be some inevitable disruptions in the community that will be experienced. Below are anticipated disruptions and planned mitigation strategies.

Jock River Crossing and Forcemain Installation in Easement

Construction Impact	Mitigation Strategy
Crossing of the Jock River	Trenchless crossing to limit impacts to the environment
Limited access to Lagoon Cell 'C' Nature Trail	Notification via City of Ottawa and Councillor websites, notices at adjacent parking lot off of Eagleson Road
Trees will be removed during construction	Identify/Protect nearby trees outside of pipe corridor and develop landscaping/reinstatement plan
The pipe corridor will be cleared and grubbed	Dust suppression and covered stockpiling of materials
Use of pumps to de-water ground excavations, including entry and exit pits during construction	Use sound attenuated and enclosed generators to reduce noise levels & decant discharge in sediment tanks
Site runoff due to open excavations and construction traffic	Control measures will be installed to minimize amount of sediment entering the Jock River

What to Expect (2)

Forcemain Installation Along Eagleson Road

Construction Impact	Mitigation Strategy
Localized construction zones will cause temporary traffic lane reconfiguration	Traffic control measures in place to route traffic around construction zone, including lane reductions and/or detours
Traffic lights at Old Richmond Road will be turned off temporarily during construction at the intersection	Traffic light service will be restored after the forcemain is installed at this location. Flagpersons will be present
Speed reduction through construction zones	Temporary reduced speed limit signs placed in advance of construction zone
Truck traffic and truck turning	Warning signage placed in advance of construction zone
Gravel shoulder will not be available through construction zone	Gravel shoulder will be reinstated following construction
Excavation of asphalt driving surface	Asphalt driving surface above trench will be reinstated following construction

What to Expect (3)

Crossing Existing Culverts

Construction Impact	Mitigation Strategy
Trench width may increase due to the use of specialized construction equipment	Additional traffic control measures in place to route traffic around these occurrences (e.g. temporary detours)
Use of pumps to bypass creek flows during construction	To minimize noise, electric pumps will be used when pumping near houses
Species at risk habitat at watercourses, bridges and box culvert crossings	Inspect areas in advance of construction, install bird exclusion mesh where appropriate, maintain adequate sediment control measures and monitor the watercourse for signs of sedimentation

What to Expect (4)

Cambrian Road, Rushmore Road, and Local Accesses

Construction Impact	Mitigation Strategy
Short term closure of Cambrian Road during construction	Traffic control measures in place to route traffic around construction zone, including lane reductions and/or detours
Short term closure of Rushmore Road during construction	Traffic control measures in place to route traffic around construction zone, including lane reductions and/or detours
Short term closure to private residences, farm fields and other access off of Eagleson Northbound (East) lane	Access to farm fields to be reinstated as soon as possible after forcemain installation and access to homes to be reinstated within 4 hours after forcemain installation
Excavation of asphalt driving surface at access points	Asphalt reinstatement within 7 days of forcemain construction

Schedule

We will compile comments from this Online Engagement and post a summary on the project's website.

- ottawa.ca/richmondforcemain

The detailed design for Phase 2 construction will be completed by the end of summer 2020.

The construction contract is anticipated to be tendered in the fall of 2020.

Construction of Phase 2 is planned to commence as early as late fall 2020 and will extend over two construction seasons to the summer of 2022.

The future construction of Phase 3 is not yet determined and will be based on growth of the village of Richmond.

Thank You

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

- All information/comments received will be maintained on file for reference during the construction period. The information collected will only be used for the purposes for which it was collected and may be shared with the Ward Councillor for a consistent purpose. With the exception of personal information, all comments will become part of the public record.
- Accessible formats and communication supports are available, upon request, at the following link: [ottawa.ca/accessible format](http://ottawa.ca/accessible-format)

Please email your comments to the address below by **Wednesday, July 8, 2020**.

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