

Windsor Park Pumping Station Upgrades

Contract No. CP000555



Online Public Information Session

February 8 to 22, 2023



Welcome

Welcome to the Online Public Information Session for the Windsor Park Stormwater Pumping Station Upgrades Project.

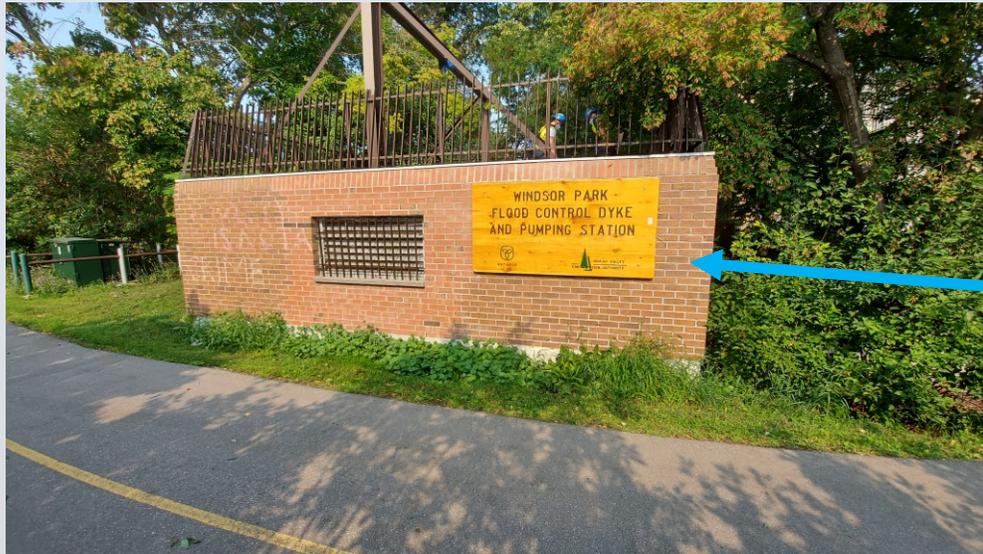
The City has a proactive communications approach. The project team will update you on the project using different methods to communicate including letters and posting information on Ottawa.ca.

The purpose of this Online Public Information Session is to present the pre-tender design, receive feedback, identify the next steps in this process, and inform residents of future 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 February 22, 2023**.

Project Location

Located at 1324 Bank Street, located behind 507 Riverdale Avenue.



Project Background

- The existing **Windsor Park Stormwater Pumping Station** is used to direct stormwater flows to the Rideau River. When the water level is low, stormwater is discharged by gravity to the river. When the water levels are high, the pumping station pumps the stormwater above the river level so that it can be discharged to the river.
- The station was constructed in 1984 and underwent a SCADA upgrade in 2006. Items not upgraded in 2006 are nearing the end of their service life.
- The City is taking the opportunity to **improve the reliability of the Pumping Station** by installing new equipment to replace components at the end of the service life.



Project Site

Aerial View – existing conditions

- Infrastructure improvements will be undertaken on public property, at the pumping station and at two remote outfall locations.



Project Scope

- Wet Well Upgrades
 - Submersible Pump Replacement
 - New Access Hatches
 - New Sluice Gates
 - Includes provisions to operate the gates without entering the wet well.
- Site Improvements
 - New Driveway Access from 507 Riverdale Avenue Parking Lot
 - Removes the need to operate city vehicles on the multi-use pathway when pump maintenance is required.



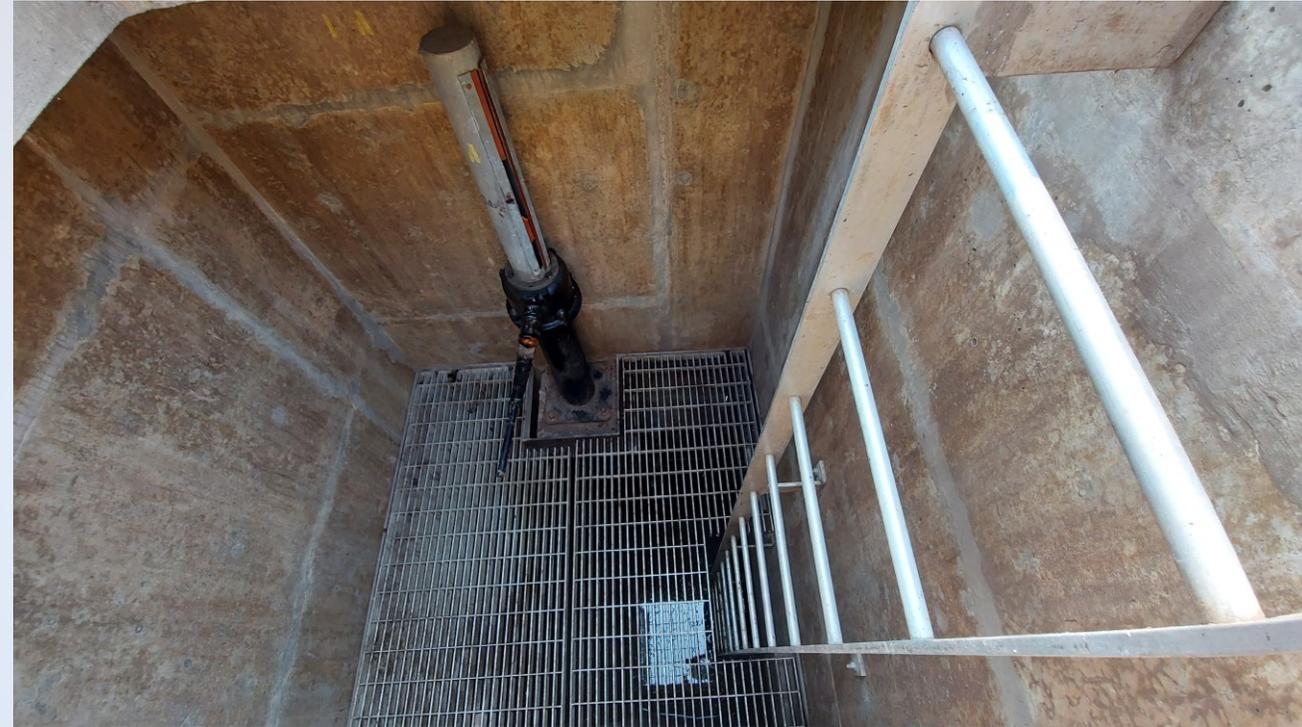
Project Scope

- Various National Fire Protection Association (NFPA) Upgrades
 - Ensuring the electrical room is an unclassified space.
 - Relocation of HVAC equipment as required.
- Electrical Upgrades
 - New Motor Control Center
 - New Station Lighting
 - New Distribution Panel



Project Scope

- Replacement of Sluice Gate operators at remote outfall chambers, to allow for operation of the gates without entering the remote chambers.
- Removal of overhead hoist on station roof.

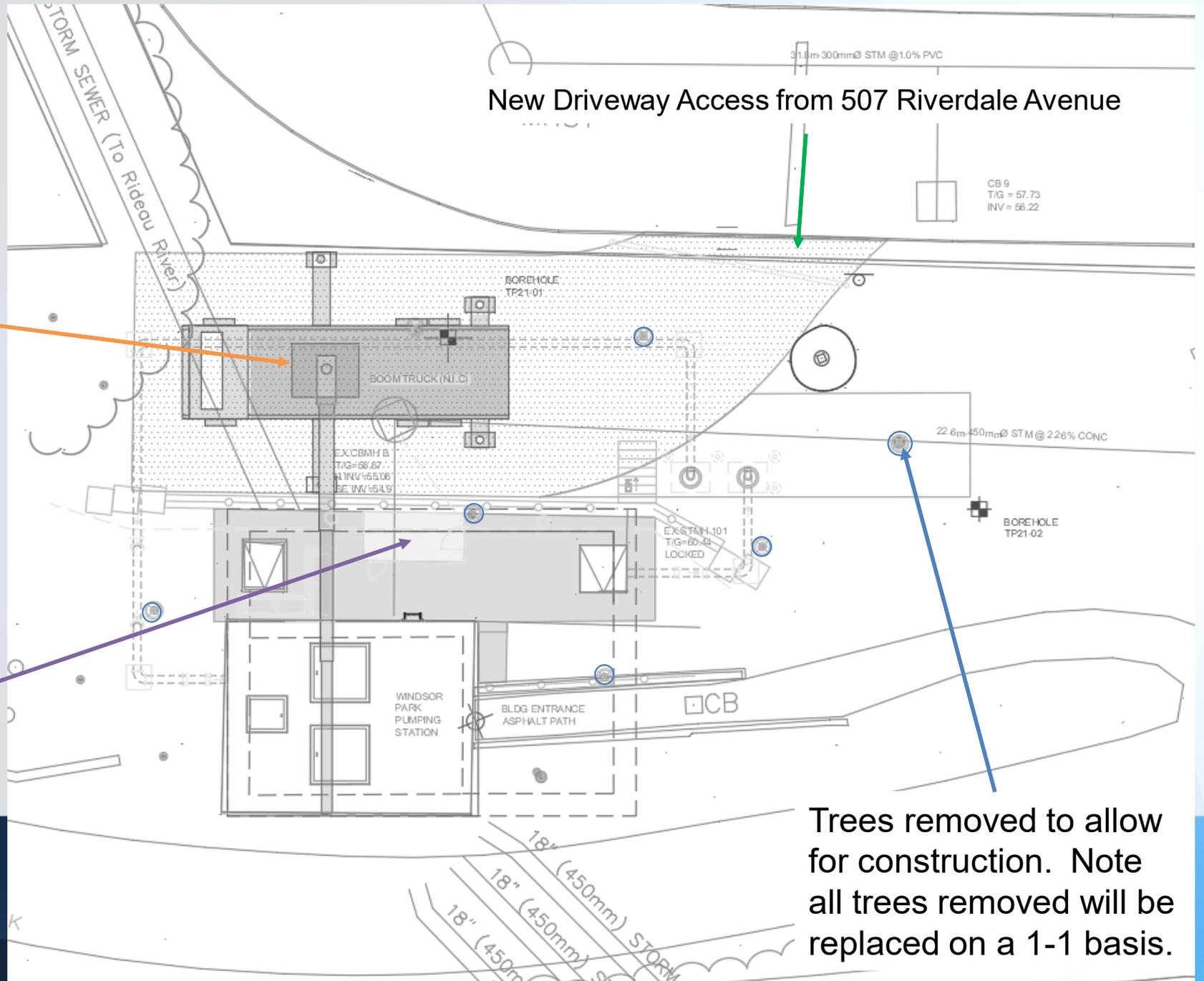


Hoist to be removed

Windsor Park Site Plan

Boom Truck for Pump Removal

New Wet Well Ventilation Fan
Note: Fan includes sound enclosure, and fan only runs when access into the wet well is required (very infrequent).



Trees removed to allow for construction. Note all trees removed will be replaced on a 1-1 basis.

Why This Project Is Important

The upgrades in this project will protect the pumping station against the risk of station failure, and resulting flooding, as well as improve the reliability and ease of operating the station.

The standby pump will no longer be required!



Anticipated Construction Impacts

Impacts to surrounding areas are expected to be minor:

- General Construction Noise
 - Will comply with City of Ottawa noise bylaws.
 - Construction activities will take place during normal working hours – weekend work will not be permitted.
- Tree replacement
 - Six (6) trees will be removed during construction and will be replaced.
- Construction traffic within the area
 - Contractor will not be permitted to block any lanes on Riverdale Avenue, and parking for contractor vehicles will be within the construction site.
- Impacts to the Multi-Use Pathway
 - No impacts to the multi-use pathway are expected. The contractor is permitted to close one lane of the pathway during construction activities – only when required for the task at hand. During such closures, flag persons will be in place to direct traffic through the one open lane.

Anticipated Construction Timing

Construction Timing – March 2023 to November 2023

- Comments received and final design was completed in June/July 2022.
- After comments were collected, the project team assessed and addressed them as required, finalized the contract documents and proceeded to tender the work.
- ECA Approval received November 2022
- Construction is scheduled to start in March 2023 and continue into November 2023.



Thank you

Thank you for reviewing the project's information boards. We encourage and welcome your feedback on the Pre-Tender design.

Please email your comments to the address shown below by **February 22, 2023**.

City Project Manager

Mohamed El-Sarji, P. Eng.

Senior Engineer, Infrastructure Projects

Infrastructure and Water Services, Design & Construction Facilities

City of Ottawa

100 Constellation Drive, Ottawa, ON, K2G 6J8

Tel: 613-580-2424, ext. 22191

Email: mohamed.el-sarji@ottawa.ca