

# Hemlock Pumping Station Upgrades

Contract No. CR000529



Online Public Information Session

September 23, 2021

# Welcome

## Welcome to the Online Public Information Session for the Hemlock Pumping Station Upgrades Project.

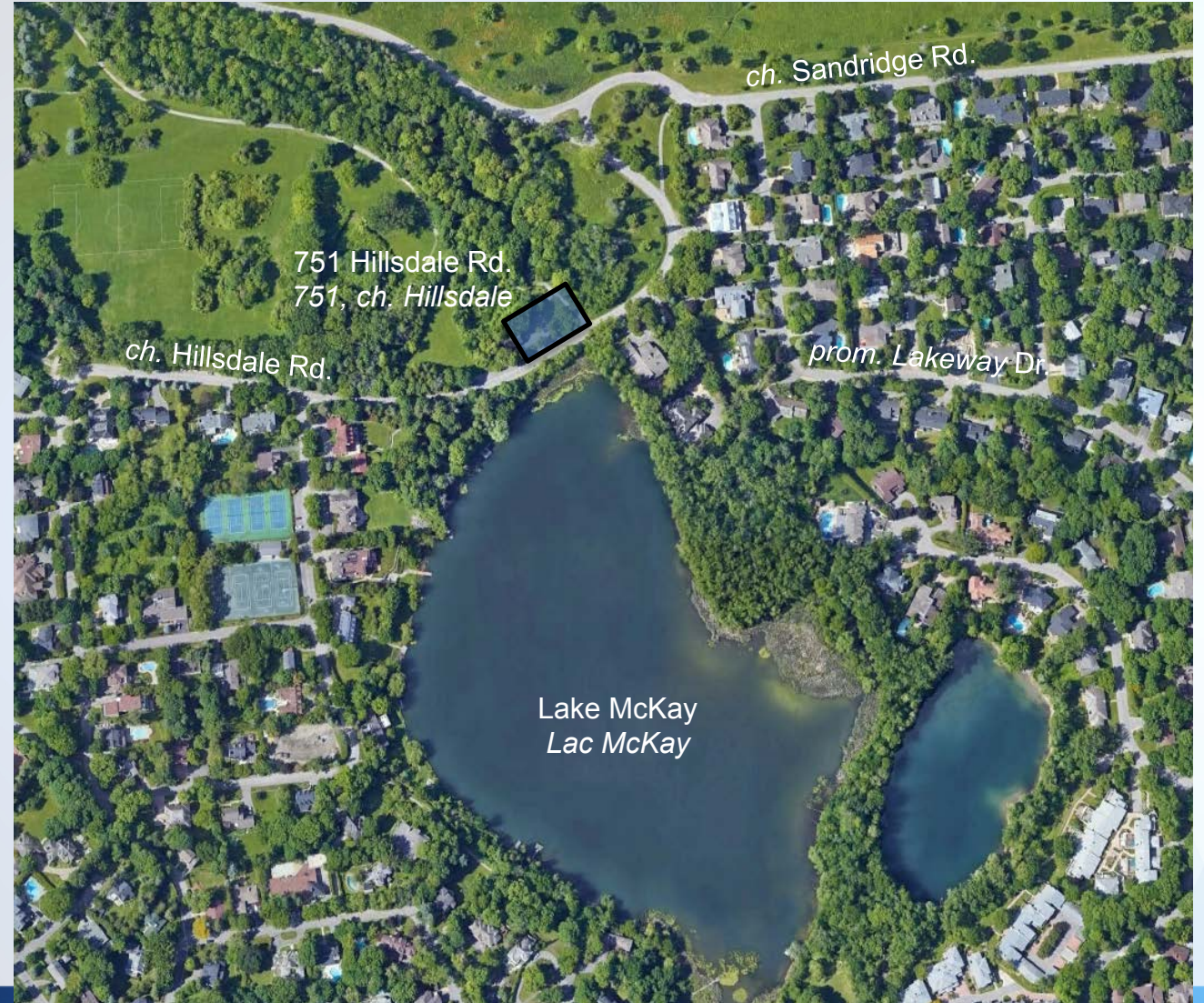
The City has a proactive communications approach. The project team will update you on the project using different methods to communicate including letters and posting information on Ottawa.ca.

The purpose of this Online Public Information Session is to present the 99% 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 October 7, 2021**.

# Project Location

751 Hillsdale Road, Rockcliffe, Ontario



# Project Background

- The **existing Hemlock Pumping Station** pumps sewage collected from a 142-hectare drainage area including most of the Village of Rockcliffe Park and a small portion of Manor Park.
- The current pumps were installed in 1998, making them 22 years old and nearing the end of their service life, and require replacement.
- The City is also taking the opportunity **to improve the reliability of the Pumping Station** during maintenance operations and station failure by installing a new station bypass pumping chamber in an effort to prevent potential sanitary sewer overflows into the Ottawa River and ease routine maintenance operations.

# Project Site

*Aerial View – existing conditions*

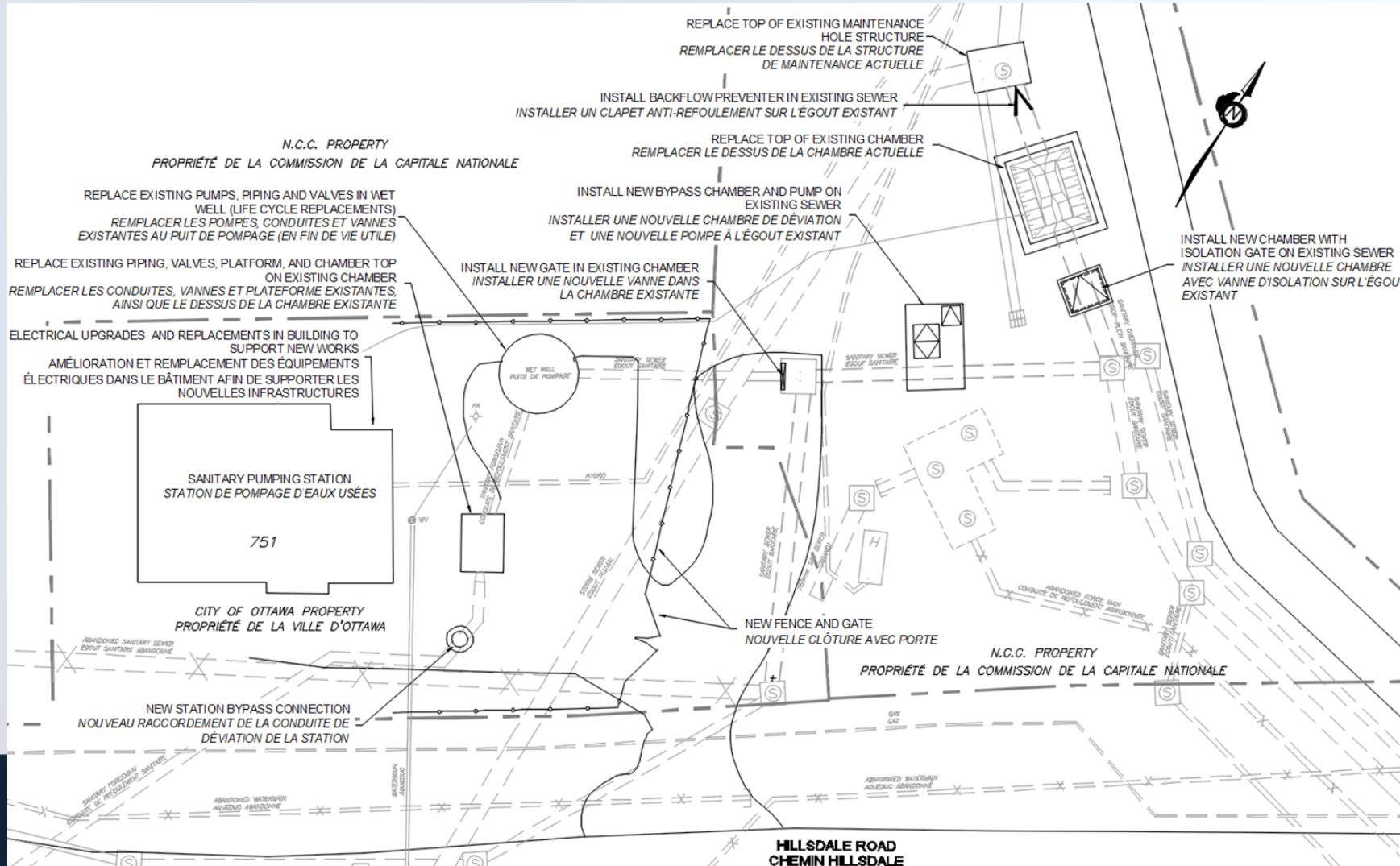
- Infrastructure improvements will be undertaken on both City and National Capital Commission (NCC) lands.
- City is coordinating with and meeting approvals of the NCC



# Project Scope

- Replacement of existing pumps, valves, pipes, and other sewage infrastructure with equivalents to extend the life cycle of pump station.
- Installation of a new bypass chamber upstream of the inlet chamber to allow for bypassing the wet well chamber during pumping station maintenance operations and under emergency repair conditions to the wet well.
- Replacement of existing access installments including hatches, ladders, and platforms to improve access and safety.
- Various concrete and structural repairs.
- Installment of two new sluice gates to isolate the wet well chamber when the bypass is in use.
- New fence at pumping station facility.

# Project Site Plan



# Environmental Considerations

## *Natural Habitats*

No Species At Risk (SAR), protected habitats, or migrating birds' habitats were identified within the project site.

The project site is a **potential habitat** to the following migrating birds and SAR:

- Red-headed woodpecker
- Chimney swift
- Wood thrush
- Blanding's turtles
- Myotis bats





# Environmental Considerations

## ***Natural Habitats***

Conservation of migrating birds: During nesting season, the site will be surveyed for nesting birds by a qualified biologist every 7 days and at least 48 hours before any work may begin.

Protection of SAR: Workers are made aware of potential SAR in the area, including birds, turtles and bats, along with the correct mitigation measures. Daily searches will be completed to confirm there are no SAR in the area prior to construction. If any SAR is spotted on or near the project site, all work will stop immediately. Before resuming work, measures will be taken to protect the SAR.

# Environmental Considerations

## *Tree Planting*

The upgrades have been designed to have minimal impact on the surrounding plant life.

One sugar maple tree will be removed to install the bypass chamber, as well as several other shrubs and small plants.

One new sugar maple tree and one new red oak tree will be planted on site, as well as various dogwood and honeysuckle shrubs as compensation.



# Why This Project Is Important

The age and condition of the current pumping station poses a risk of station failure, flooding, and unpleasant and dangerous sewage spills to the surrounding environment and population. Temporary maintenance configurations that are currently used have potential overflow risk and are to be replaced with permanent equipment that will mitigate this risk.



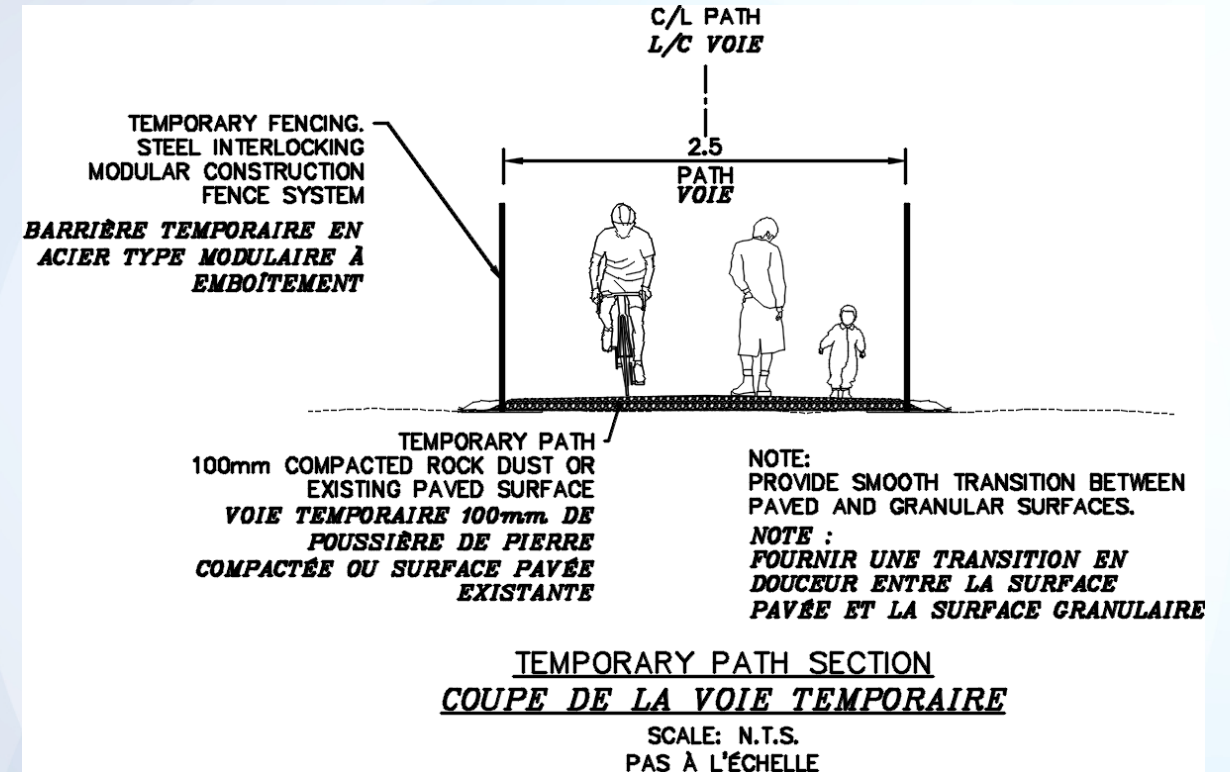
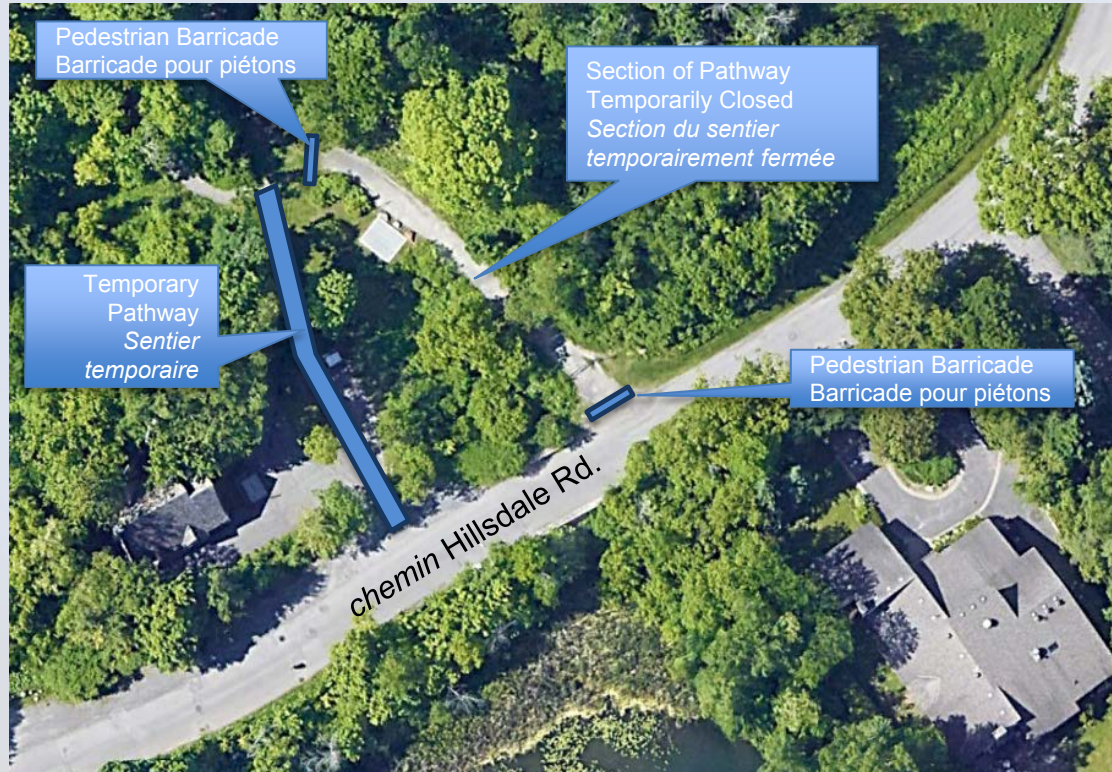
# Anticipated Construction Impacts

## Construction Impacts on Property

- As a result of construction and new design features, there will be impacts to nearby pathways within the project area. Some of these impacts will include:
  - Construction noise, vibration, dust. Construction can be disruptive to daily routine and the City will do its best to minimize impacts
  - Station bypass pumping required to complete the works and are essential for ensuring continued operation of the facility.
  - The removal and reinstatements of grass, trees, shrubs and fences.
  - The project team is working with NCC and Forestry Services on tree trimming and landscaping plans.
- No in-water works are anticipated.
- Pedestrian traffic will be maintained at all times by installing a temporary 2.5m wide pathway through the site (see next slide).
- If you have specific concerns, please share in your comments.

# Anticipated Construction Impacts

## Temporary Pedestrian Detour



# Anticipated Construction Timing

## Construction Timing – January 2022 to January 2023

- Receive comments and complete final design in fall 2021.
- After comments are collected, the project team will assess and address them as required, finalize the contract documents and proceed to tender the work.
- NCC and Environmental Compliance Approval expected Fall 2021
- Construction is scheduled to start in January 2022 and continue into January 2023.

# Thank you

Thank you for reviewing the project's information boards. We encourage and welcome your feedback on the 99% design.

Please email your comments to the address shown below by **October 7, 2021**.

## **City Project Manager**

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