

# Briar Ridge Pumping Station Upgrades

Contract No. CR000488



Online Public Information Session  
October 7, 2021

# Welcome

## Welcome to the Online Public Information Session for the Briar Ridge Pumping Station (BRPS) 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 90% 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 15, 2021**.

# Project Location

960 Klondike Road, Kanata, Ontario



# Project Background

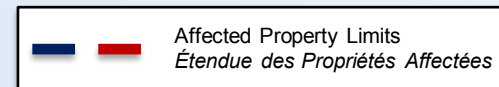
- The existing **Briar Ridge Pumping Station** pumps sewage collected from a 128-hectare drainage area, mainly from the Briar ridge community bounded by March Road and March Valley Road north-west of Terry Fox Drive.
- The station was constructed in 2002. The station's existing submersible pumps and other equipment are nearing the end of their service life at 18 years, requiring replacement.
- The City is taking the opportunity **to improve the reliability of the Pumping Station** by installing a new station bypass pumping chamber to prevent potential sanitary sewer overflows and ease routine maintenance operations.



# Project Site

*Aerial View – existing conditions*

- Infrastructure improvements will be undertaken on City Property, with use of a small section of the Marshes Golf Club property during construction. Marshes Golf Club property will be restored following construction activities.



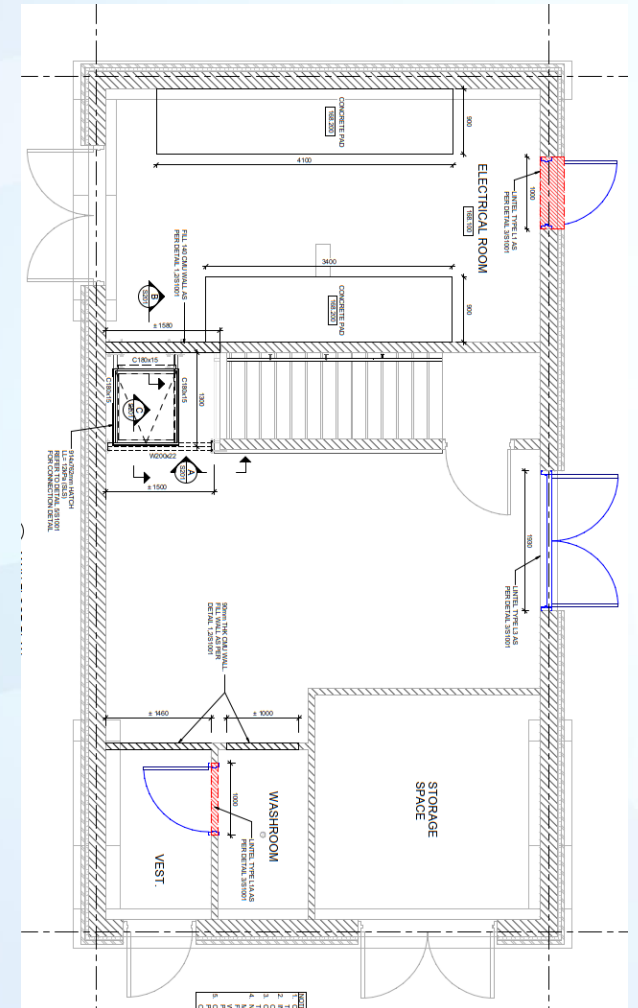
# Project Scope

- Wet Well Upgrades
  - Submersible Pump replacement.
  - New Standby Submersible Pump.
  - Replacement of FRP top cap, hatches and safety grating.
- NEW Bypass chamber
  - For station maintenance operations and under emergency repair conditions.
  - New safety grating, guardrails and intermediate platforms.



# Project Scope

- Various National Fire Protection Association (NFPA) Upgrades
  - Dividing control building into classified and non-classified spaces.
    - Dedicated entrance to valve room.
    - Separated swab launcher / equipment removal room.
- Generator Replacement
  - Replacement of the existing indoor generator with an outdoor generator with a skintight sound enclosure.
  - New outdoor slab for the generator.
  - The generator room will be converted into an electrical room.



# Project Scope

- Replacement of valves, pipes, and other sewage infrastructure with equivalents to extend the life cycle of pump station.
- New air release valves in the air release and drain chambers located in Ravenscroft Park.
- Mitigation of odours
- Various building, electrical and HVAC upgrades

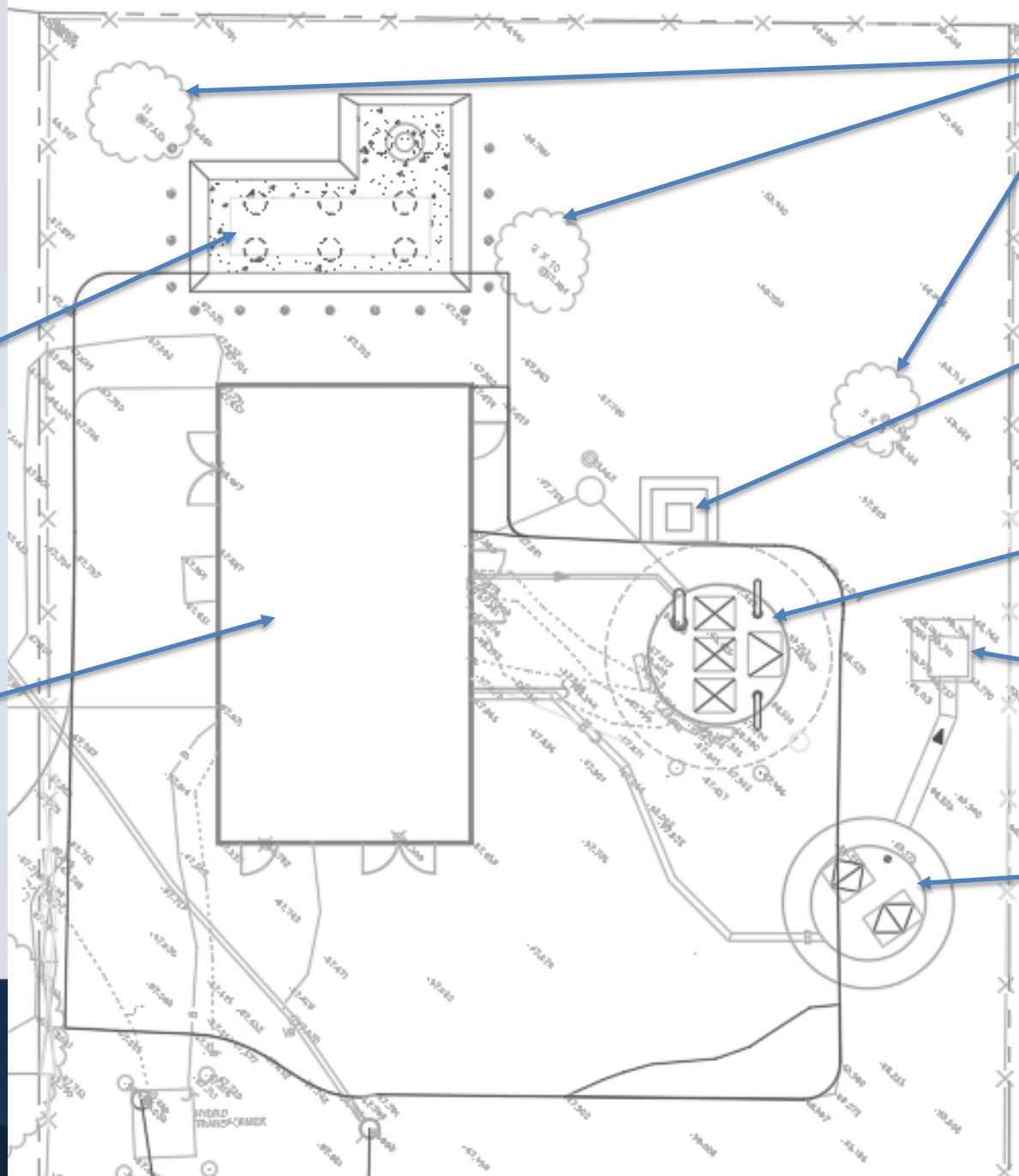




# Briar Ridge Site Plan

New Emergency Standby Generator

Control Building



Trees - Maintained

New Wet Well Ventilation Fan  
(Runs only when entry into wet well is required)

Existing Wet Well

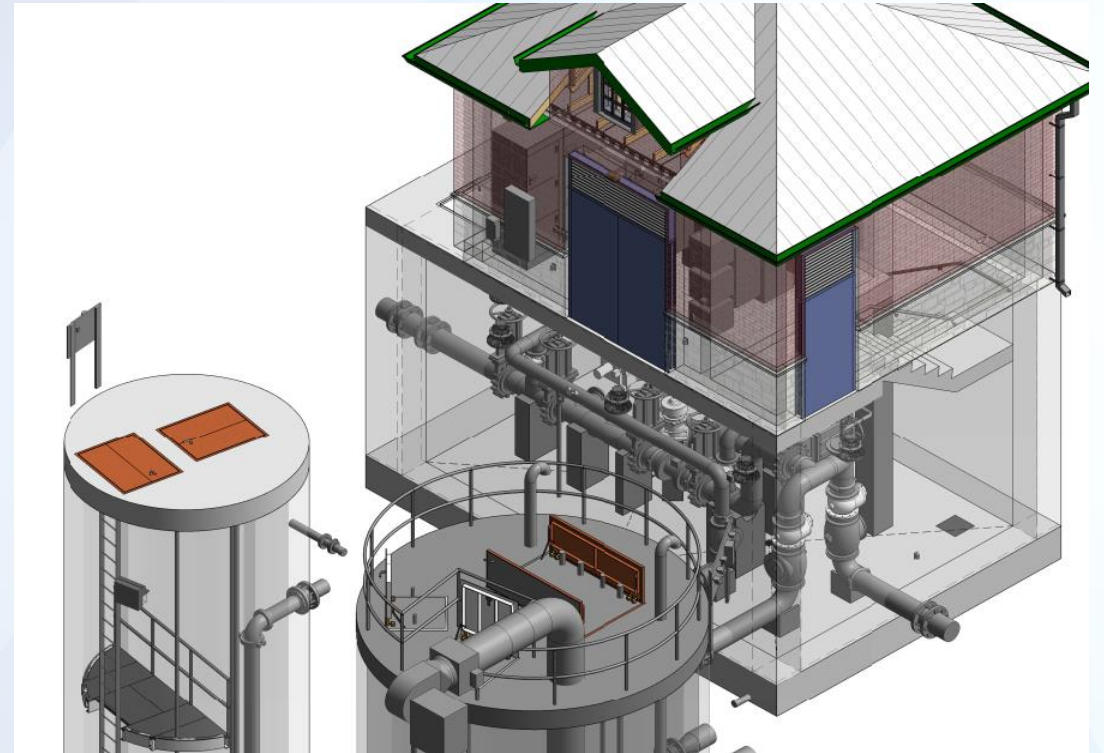
Inlet Control Manhole

New Bypass Chamber

# Why This Project Is Important

The upgrades in this project will protect the pumping station against the risk of station failure, flooding, and unpleasant and dangerous sewage spills to the surrounding environment and population.

Additionally, the flow capacity will accommodate future developments in Kanata North.



# 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.
- No in water works are anticipated.
- No tree removal is anticipated.
- A Species at Risk study will be conducted to determine any risks to protected species, and any issues will be addressed.
- If you have specific concerns, please share in your comments.



# Anticipated Construction Timing

## Construction Timing – March 2022 to June 2023

- Receive comments and complete final design in late 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.
- ECA Approval expected late 2021
- Construction is scheduled to start in March 2022 and continue into June 2023.



# Thank you

Thank you for reviewing the project's information boards. We encourage and welcome your feedback on the 90% design.

Please email your comments to the address shown below by **October 15, 2021**.

## **City Project Manager**

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