

BAL HARBOUR SANITARY PUMPING STATION UPGRADES

**Niagara Region
Virtual Public
Information Centre
August 2024**

WELCOME!



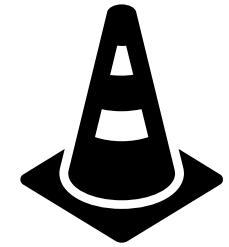
Provide an overview of the proposed electric upgrades for the Bal Harbour Sewage Pumping Station



Identify progress and next steps



Give an opportunity for you to learn about the project and get involved



PROJECT OVERVIEW

What is happening?

Niagara Region is upgrading the Bal Harbour sanitary servicing pumping station.

Why is it happening?

Electrical components of the existing pumping station are reaching the end of their service lifetime. This upgrade project will move access to ground level to reduced health and safety issues for Niagara Region staff, while maintaining beach access and minimizing visual impacts.

What does it mean for you?

The project team is available to provide responses to any questions, comments or concerns with respect to the project. Aesthetics, visual impacts, environmental impacts, and the health and safety of staff and the community will be considered at all stages of this project.

PROJECT AREA

- The Bal Harbour Pumping Station is a Niagara Region owned property located at 29B Cheval Dr. in the Town of Grimsby as shown on the map.
- The project aims to replace and upgrade all electrical components and move them to an above ground location at the same site to improve the accessibility and reliability.

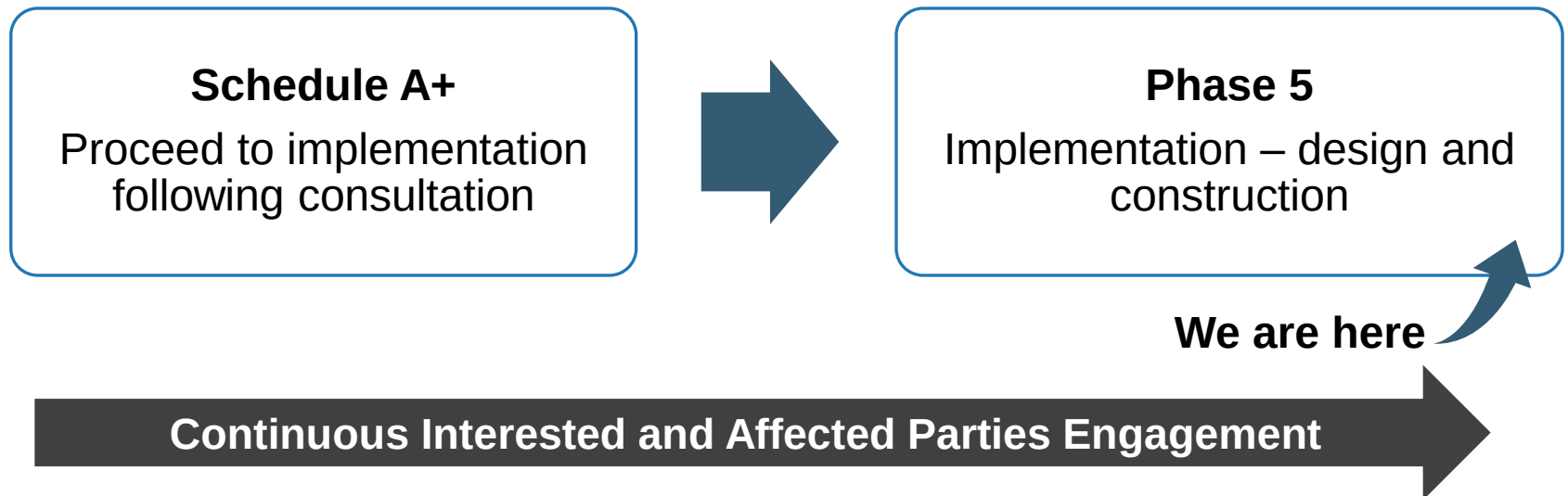


Key Map

MUNICIPAL CLASS EA PROCESS

This project is classified as a **Schedule A+ project**, which is pre-approved, but requires to notify potentially affected parties prior to implementation.

The project can proceed to the implementation phase (Phase 5) of the Municipal Class EA process (October 2000, as amended).



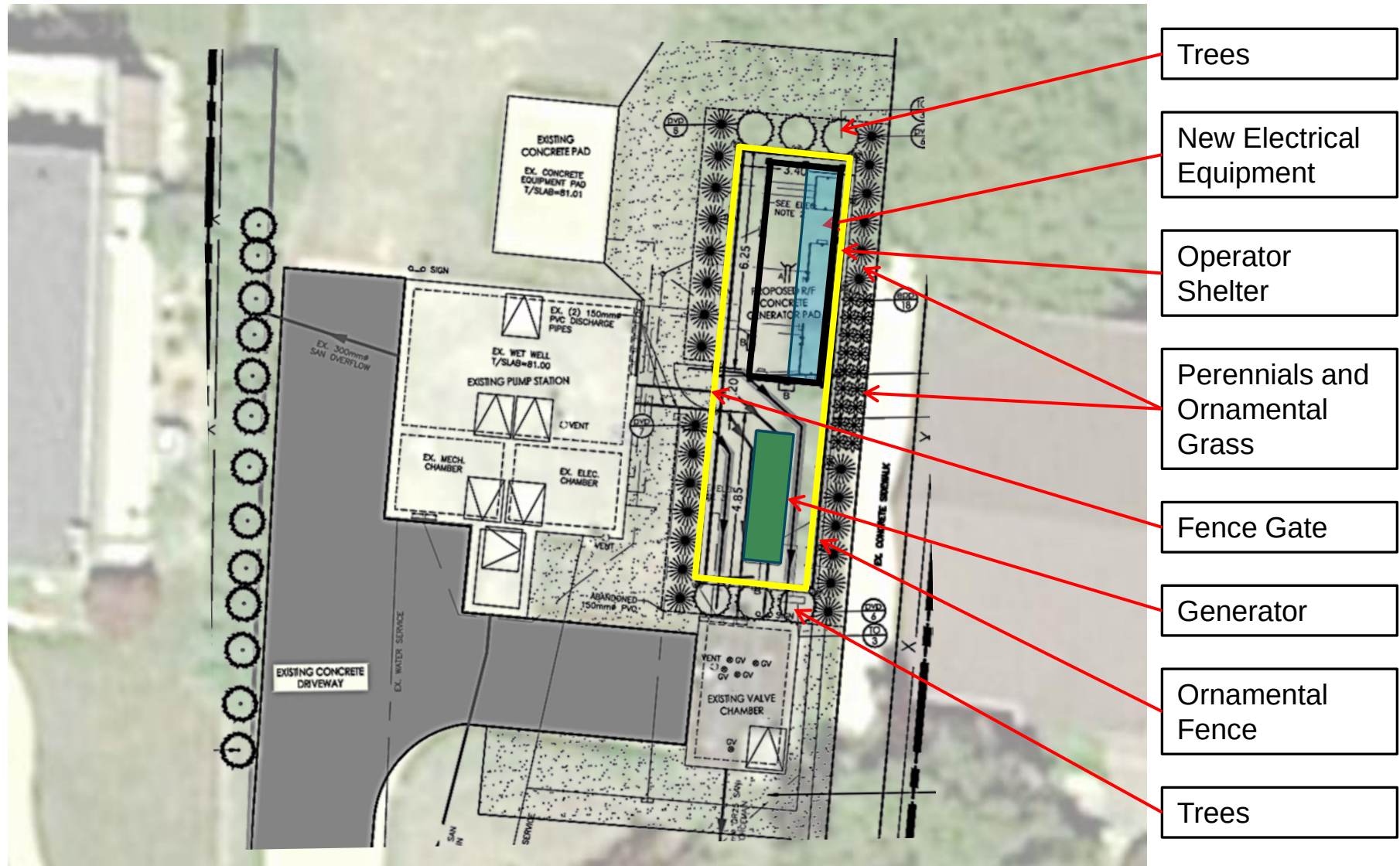
NEIGHBOURHOOD FEEDBACK

Comment	Response
Clarification needed about current underground station and how it is powered.	Changing to a stationary standby generator is needed for power outages to nearly eliminate the risk of a neighbourhood sewage overflow situation caused by a lack of backup power.
Clarification on health and safety concerns and why the station needs to move aboveground.	The station does not meet current safety standards that have developed over the past 50 years, putting the lives of employees at risk. Reinstating a tasteful and small above ground station would be a safe alternative, eliminating confined space risks, and being cost-effective.
Clarification on size and materials of proposed building.	A small weather shelter structure will be constructed from lightweight metal and transparent laminated glass or polymeric material for the walls and occupy a footprint of about 12m by 3.5m.
Clarification about the remediation of the site	As the project continues and the renderings are updated, they will be provided on the project website.
Confirmation that the proposed upgrades will abide by applicable zoning bylaws?	Confirmed

NEIGHBOURHOOD FEEDBACK

Comment	Response
Concerns of odour and increased activity by Niagara Region trucks and staff	No changes to site odours or frequency of activity levels are anticipated.
Concerns about construction impacts to surrounding structures	All construction work would remain within the station property limits and are not anticipated to affect surrounding structures.
Concerns that there will be an obstruction to the lake view coming down Bal Harbour and the residential look of the neighbourhood.	The design team has identified a location and layout that should minimize any view obstruction of the lake and engaged with a landscape architect to maintain current aesthetics. Design layout adjusted based on community's preference of trees and greenery.
Concerns to noise and operating hours of the generator.	The generator's noise level will comply with all applicable regulations and standards, and only operate during a power outage or on an infrequent periodic basis for testing. Fencing and greenery proposed to further quiet any potential noise from the generator.
Suggestion to natural gas generator to ensure no leakage into the ground and lake or smell.	A natural gas generator has been selected for this project.

SITE LAYOUT



ORNAMENTAL PLANTS

Plant Type	QTY	Botanical Name	Common Name
Coniferous	6	Thuja occidentalis 'Emerald'	Emerald Cedar
Perennials & Ornamental Grasses	18	Echinacea purpurea	Purple Coneflower
Perennials & Ornamental Grasses	27	Panicum virgatum 'Prairie Fire'	Prairie Fire Switch Grass



Emerald Cedar



Purple Coneflower



Prairie Fire Switch Grass

GENERATOR SPECIFICATIONS



- 45kW Cummins Outdoor Natural Gas Generator in a custom enclosure (CSA C282 compliant)
- Dimensions: 3.05m x 1.25m x 1.95m
- Located next to the small transparent weather shelter structure and concealed with a range of plants
- 55 decibels at 7m, silencer, intake and discharge motorized louvers.

RENDERING VIEW #1 COMPARISON



Current View



After proposed upgrade. Components are in a similar location to the existing trees

RENDERING VIEW #2 COMPARISON



Current View



After proposed upgrade. Components are in a similar location to the existing trees and public access is maintained

RENDERING VIEW #1 AT COMPLETION

- Upgraded electrical equipment to better service the local area.
- Accessible station for Niagara Region operations and maintenance staff which mitigates health and safety concerns.
- Utilizes existing site layout to minimize visual impacts.
- Additional greenery added for environmental and aesthetic consideration.



RENDERING VIEW #2 AT COMPLETION

- Maintains the existing walkway for public access to park.
- The new equipment will be hidden by the proposed landscaping.



NEXT STEPS

- Release project for public tender. Detailed design is completed, and permits have been applied for.
- Construction anticipated to start in Fall/Winter of 2024. Construction notices will be provided prior to construction work commencing.

Any feedback on the
information presented is
appreciated.

We want to hear from you!



THANK YOU!

If you have any questions regarding this project, please contact the Project Managers or complete a form at the link below.

Please see the project page website for updates:

niagararegion.ca/projects/bal-harbour

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