

July 24, 2026

Ultraviolet Disinfection and Residuals Management Facility and Electrical Upgrades at Island Water Treatment Plant

Contract #: 24ECS-MI-02IS

Start Date: Fall 2026

End Date: Summer 2032

**Timeline is subject to change.*

The City of Toronto operates the Island Water Treatment Plant (IWTP) located on Toronto Islands. Originally built in the early 1900s, the IWTP underwent a single round of major upgrades in 1977 that added new filters, equipment and an administrative building. Today, the IWTP produces approximately 25 per cent of Toronto's drinking water, with a maximum production capacity of 440 million litres of water per day (ML/d).

In December 2015, the City of Toronto completed a Water Quality Master Plan (WQMP) which provided direction for future treatment upgrades over the next 20 years based on anticipated source water quality changes, regulatory changes and climate change impacts. To ensure the City's continued water safety, the following upgrades are planned for the Island Water Treatment Plant:

- **Ultraviolet (UV) Disinfection Facility** to provide UV disinfection as part of the overall multi-step treatment process for pathogen protection and ensured drinking water production. Estimated timeline: 2026 – 2032.
- **Residual Management Facility (RMF) Phase 2** includes upgrades to the existing residuals management facility to better manage the waste streams from the treatment process. Currently, the IWTP stores residuals captured during the drinking water filtration process in liquid form. The completed Phase 2 RMF Facility will further treat these residuals into dry sludge cake to alleviate liquid residual storage. Estimated timeline: 2026 – 2032.
- **Electrical Upgrades** including replacement of the primary electrical substation for power distribution to various plant buildings, and the new UV and RMF building. Estimated timeline: 2026 – 2032.
- **Pressure Reducing Valve (PRV) Chambers Upgrades** to replace the existing PRV chamber. This PRV reduces the water pressure in the watermain to supply drinking water to the residents on Toronto Island. Another PRV in a chamber near Hanlan's point will be decommissioned, removed, and replaced with pipe only. Estimated timeline: 2029 – 2030 (2027 for Hanlan's Point PRV chamber decommissioning).
- **A New Watermain and New Sanitary Forcemain** will be constructed along part of Centre Island Park. The watermain will connect the existing watermain with the IWTP as a second source of service water for the IWTP. The new sanitary forcemain will discharge the wastewater from the new UV/RMF facility into the existing sanitary forcemain along Lakeshore Avenue. Estimated timeline: 2029 – 2030.

This project is part of the Council-approved 2026 Capital Budget and Approved 2027-2035 Capital Plan.

WORK DETAILS

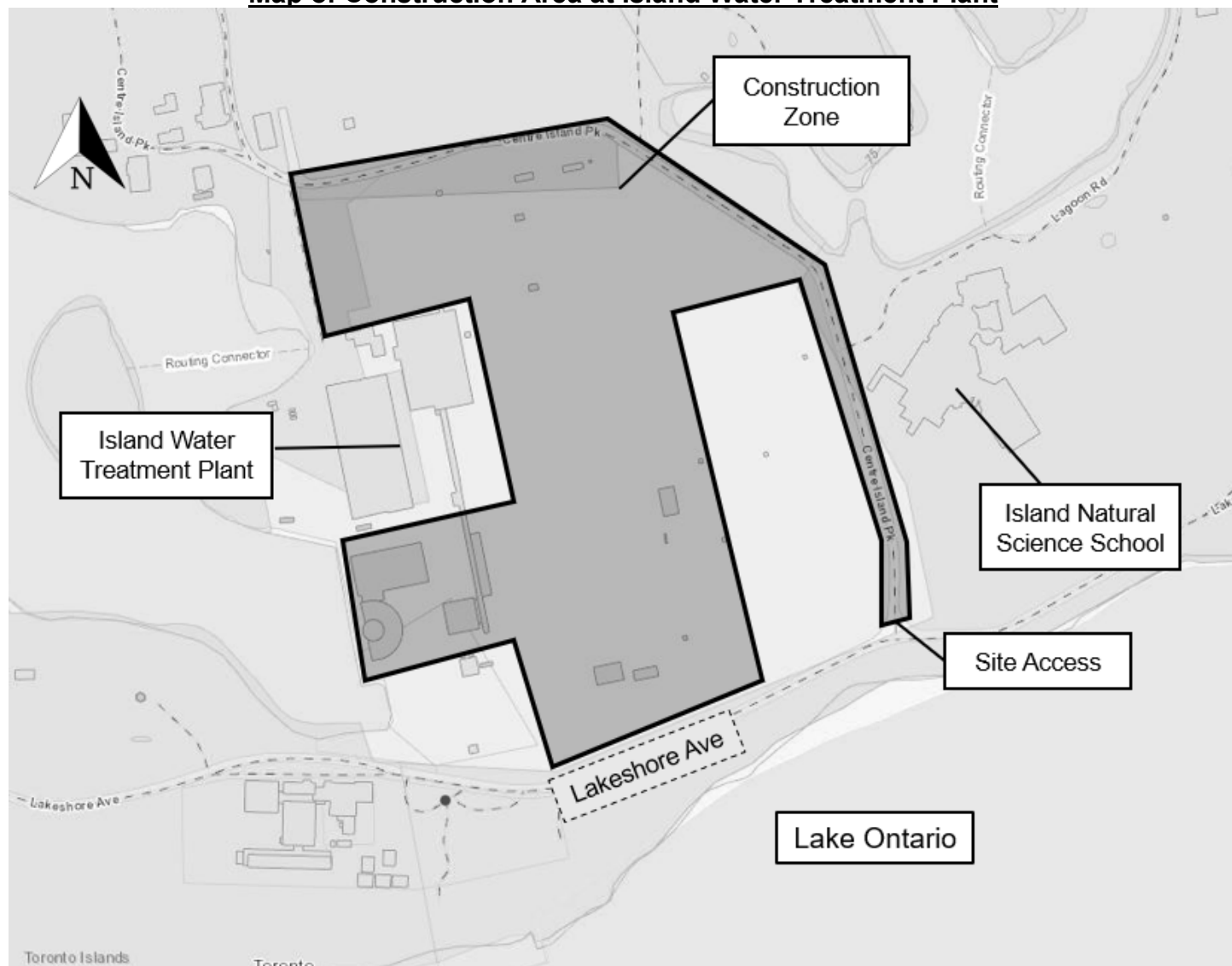
These works will primarily take place within the property limits of the Island Water Treatment Plant, with minor impacts to Parks and Recreation property.

During construction, planned works include:

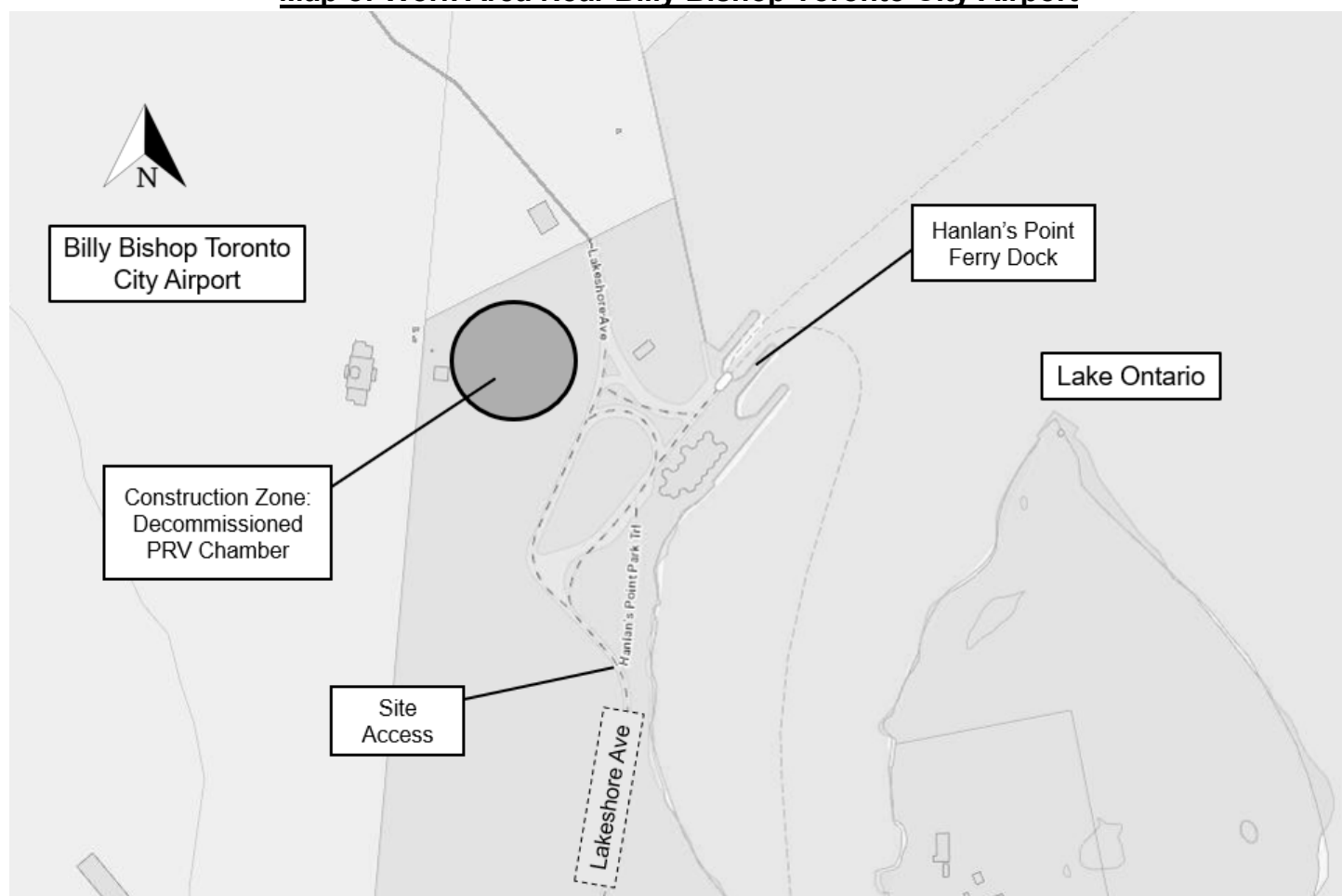
- Fencing and hoarding
- Excavation
- Removal of excess soil and trees
- Construction of UV/RMF building, electrical buildings, and underground sewage pumping station, PRV chambers, watermain and sanitary forcemain
- New equipment installation and commissioning

MAP OF WORK AREA

Map of Construction Area at Island Water Treatment Plant



Map of Work Area Near Billy Bishop Toronto City Airport



WHAT TO EXPECT BEFORE CONSTRUCTION

- Work crews will mark the locations of underground utilities, such as gas, water and cable so that the construction work does not interfere with these utilities.
- Affected properties will receive a Construction Notice approximately two weeks before work begins with more information about the work.
- The City will not be responsible for damage to any privately owned items on City property. Please ensure that you arrange for removal of each item prior to construction.

	Work Hours: Work will take place from 7 a.m. to 7 p.m., Monday to Friday, with occasional work after hours and on weekends if required
	Access to Your Property: The City-hired contractor may need access to the interior and exterior of your property to complete a pre-construction condition survey. Affected properties will receive a letter about scheduling a time to complete the pre-construction condition survey. Although participation is voluntary, the pre-construction survey results may be useful to confirm claims for potential damage caused by City construction
	Tree Removals: The City makes an effort to minimize the number of trees that are impacted by construction. Tree removals related to construction are reviewed by Urban Forestry and require approval. Trees within the construction zone that will not be removed are protected. To carry out this project, 202 trees and shrubs will need to be removed. If this affects a tree near your property, you will receive a separate notice.
	Site Access: Construction vehicles will access the site from a private barge and public roads on Toronto Island. Construction vehicles will comply with road load restriction requirements. Proper traffic control and roadway and walkway cleaning will be undertaken.
	Accessible Accommodation: The City's contractor must ensure safe and accessible walkways and entryways are maintained for everyone during construction. Any temporary access disruptions will be communicated as soon as possible. If you experience a disruption, have a specific access need or related accommodation request, contact the Field Ambassador listed below.

NEED MORE INFORMATION?

If you have questions about the upcoming work, please contact us.

Contract	24ECS-MI-02IS
Field Ambassador	Cosmin Chiselencu, 647-326-1140, cosmin.chiselencu@aecom.com
Deaf, Hard of hearing and Hearing-Impaired Service	Telecommunications Relay Service (TRS) Dial 711
General inquiries	311
Website	toronto.ca/spadinafortyork

Thank you for your patience. Building a great city takes time. Better infrastructure for all of us is worth the wait.