

January 10, 2019

Outfall Construction at the Ashbridges Bay Treatment Plant

Contract: 18ECS-MI-03AB

Start Date: January 2019

End Date: December 2023

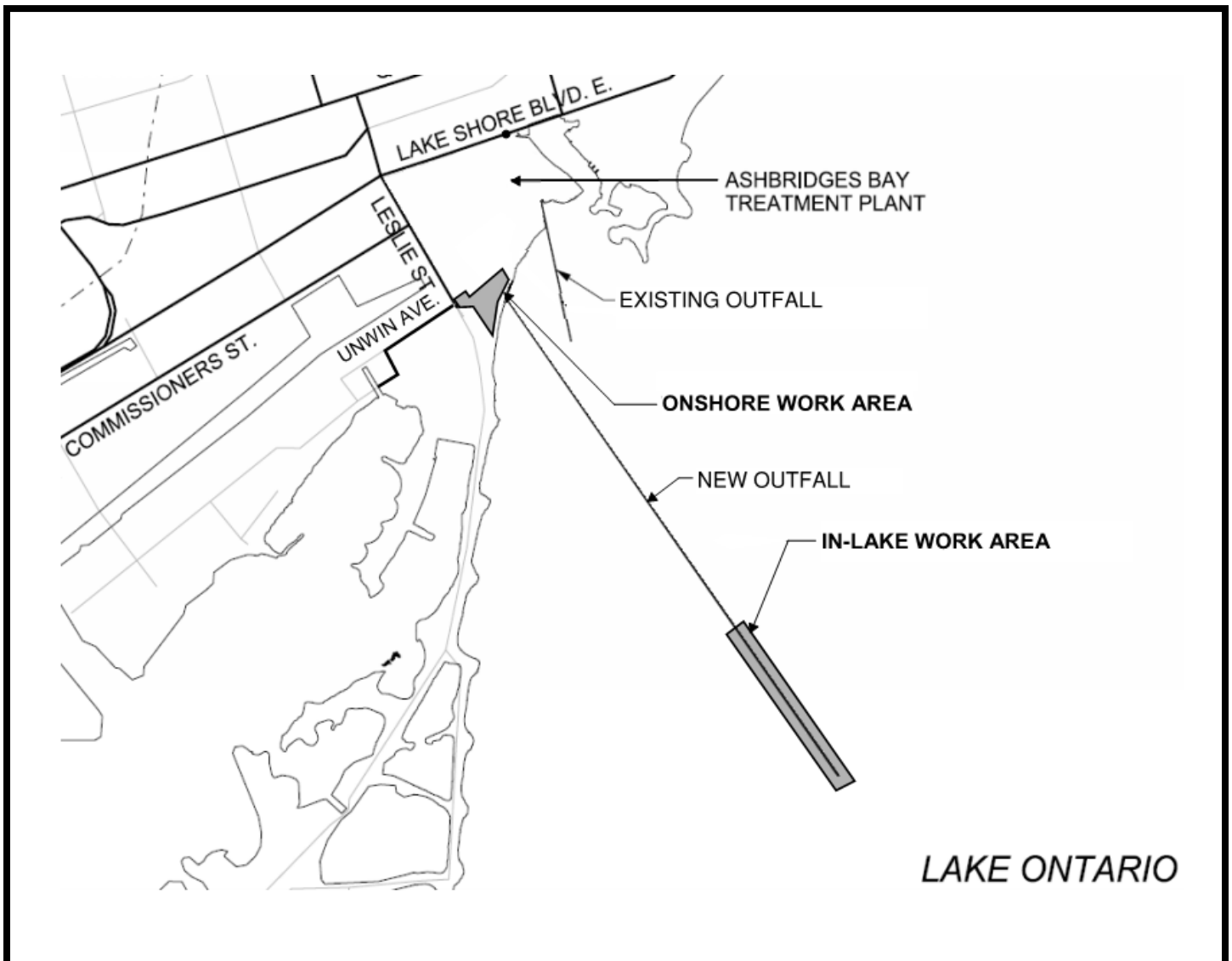
**Timeline is subject to change.*

The City of Toronto's contractor will start construction of a new Outfall tunnel at the Ashbridges Bay Treatment Plant (ABTP) in early 2019.

The outfall tunnel at the ABTP conveys and disperses treated effluent from the Ashbridges Bay Treatment Plant into Lake Ontario. The existing outfall, constructed in 1947, is at capacity and reaching the end of its service life. The new, larger outfall will take about five years to construct, increasing capacity and allowing the treatment plant to operate under high-design flow conditions.

The project will involve construction work both onshore and in Lake Ontario. Onshore, the project will include constructing a shaft, tunnel drilling, connecting with the treatment plant, and restoration of the areas affected by construction. In the lake, the project will involve constructing vertical risers to connect the tunnel with the lake and construction of diffuser ports to disperse treated effluent in the lake. Once completed, the new outfall tunnel will improve water quality at the City's shorelines and beaches, and allow the City to meet Federal and provincial regulatory requirements.

MAP OF WORK AREA



WORK DETAILS

The City's contractor will:

- Construct one 14 m - diameter onshore shaft, approximately 85 m deep;
- Construct one 7 m - diameter tunnel in bedrock, approximately 3.5 km long, using a Tunnel Boring Machine;
- Construct 50 in-lake risers extending from the tunnel to the lake bed, along the final 1 km of the tunnel;
- Construct four concrete conduits to connect the treatment plant to the newly constructed outfall shaft;
- Restore areas affected by construction including landscaping, planting, and seeding.






WHAT TO EXPECT DURING CONSTRUCTION

Onshore Construction:

- Work will be contained to Ashbridges Bay Treatment Plant property.
- Equipment will consist of excavators, trucks, cranes, and other tunnelling specific construction equipment.

In-lake Construction:

- All in-lake construction will take place May 1 – October 31.
- A work zone will be set up around in-water construction activities using buoy markers.
- Equipment will consist of a barges, cranes, and other marine construction equipment.

	<p>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.</p>
	<p>Site Access: Access to the ABTP Outfall work site will be made from Leslie Street at Unwin Avenue (site access road extending east of Leslie Street) and will not affect access to the Leslie Street Allotment Gardens and Tommy Thompson Park.</p>
	<p>Traffic Management: A new traffic signal will be installed at the intersection of Leslie Street and Unwin Avenue to safely coordinate construction traffic, road users, and pedestrians. No significant delays are expected during construction.</p>
	<p>Restoration: Areas affected by construction will be restored.</p>
	<p>Cycling: It is expected that access to the Martin Goodman Trail will be maintained. Should access to the Martin Goodman Trail be affected due to construction activities, notification signage will be posted in advance and detour routes provided.</p>

Note: Toronto Hydro-Electric System Limited is in the process of upgrading the electrical distribution system on Leslie Street between Commissioners St. and Unwin Ave to support tunnelling operations. This work will be completed before summer 2019.

NEED MORE INFORMATION?

If you have questions about the upcoming work, please contact us and quote **Contract: 18ECS-MI-03AB.**

Project Manager	Justyna Teper, PhD, P. Eng., 416.392.4583, Justyna.Teper@toronto.ca
TTY Hearing Impaired Service	416-338-0889 (7 Days a week, 8 a.m. – 5 p.m., closed holidays)
General inquiries	311
Website	toronto.ca/improvements/ward14.htm

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