

March 22, 2018

## Gas Remediation on Coe Hill Drive

Contract #: 17ECS-MI-02SW

### Site Drilling Work

Expected Start Date: Mid-April 2018  
 Expected End Date: End of April 2018

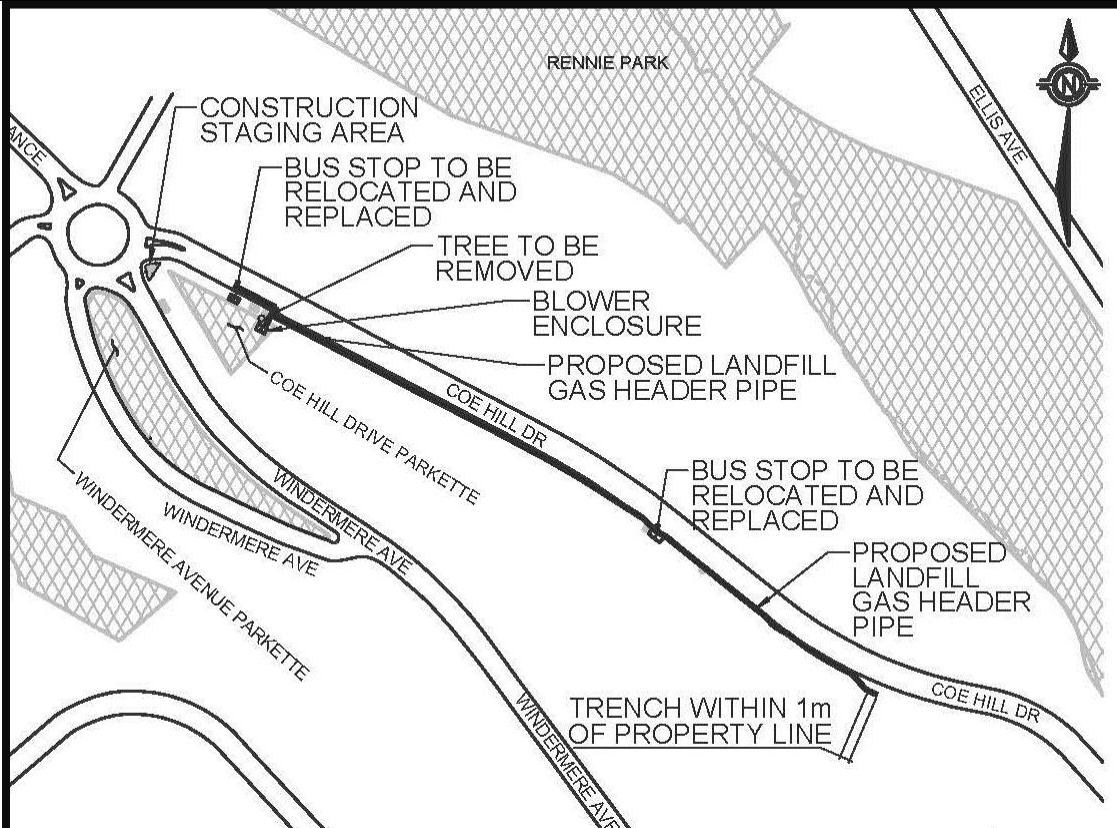
### Construction

Expected Start Date: May 2018  
 Expected End Date: Fall 2018

*\*Timeline is subject to change. Future notice to be provided.*

The City of Toronto is undertaking construction at a closed historical landfill site, along Coe Hill Drive, to install active venting systems to release below-ground gas into the atmosphere. Construction includes installation of piping and blower enclosure sheds. This project is part of the Council-approved 2018 Capital Works Program. FAQ is included in this notice on page 3.

### MAP OF WORK AREA









### SITE DRILLING WORK

Before construction, soil testing investigations will take place on or near the location of the new piping using site drilling. A crew will use a drill-rig attached to a truck to take samples of soil and underground conditions in the work area. Samples confirm the conditions below ground and help the engineering design.

### 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.
- A Construction Notice will be sent approximately two weeks before work begins with more information.
- Work in the boulevard is expected. This work includes removing and replacing driveways, municipal sidewalks and grassed boulevards, where necessary.
- Property owners should remove items located within City property limits (boulevard), such as landscaping and or decorative objects before work starts. If you have a sprinkler system within the boulevard, please contact the City.

	<p><b>Work Hours:</b> Work will take place from 7:00 am to 7:00 pm., Monday to Friday, with work after hours and on weekends as required.</p>
	<p><b>Pre-Construction Inspection:</b> Powerline Plus, under contract to the City of Toronto, will survey all properties within 30 metres of the construction area before construction starts. Participation in the survey is voluntary; however, participating is important in determining if the construction caused damage. The inspection will look at both the interior and exterior of all properties to verify existing conditions. The company will deliver a separate notice requesting time to set up appointments. All inspection staff will be wearing photo identification and carrying photographic equipment during their work.</p>
	<p><b>Transit Service:</b> This project will affect route 77 on Coe Hill Drive. The TTC will post information directing transit users to temporary stop locations.</p>
	<p><b>Tree Removal:</b> During construction, 1 small tree will be removed, as shown on the map. The City's Urban Forestry team will provide support to organize the replacement of the tree in the vicinity.</p>
	<p><b>Restoration:</b> Areas affected by construction will be restored in future stages of the work. Updates will be provided.</p>
	<p><b>Accessible Accommodation:</b> Properties who require accommodation (level entry, longer notice, etc.) must contact the City to arrange for access during the construction period.</p>

## NEED MORE INFORMATION?

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

<p><b>Project Contact</b>          Alexa Aiken, Public Consultation Coordinator  <a href="mailto:Alexa.Aiken@toronto.ca">Alexa.Aiken@toronto.ca</a>          416-338-2859</p>	<p><b>Site Work</b>          Andrew Heit, Senior Engineer  <a href="mailto:Andrew.Heit@toronto.ca">Andrew.Heit@toronto.ca</a>          416-392-4598</p>
<p><b>TTY Hearing Impaired Service</b></p>	<p>416-338-0889 (7 Days/week, 8:00am – 5:00pm, closed holidays)</p>
<p><b>General inquiries</b></p>	<p>311</p>
<p><b>Website</b></p>	<p><a href="http://toronto.ca/improvements/ward13.htm">toronto.ca/improvements/ward13.htm</a></p>

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

## Landfill Gas Remediation Frequently Asked Questions

### **What are closed historical landfill sites?**

There are over 160 closed historical landfills located across the City of Toronto that were closed more than 40 years ago. At present, the City of Toronto's Solid Waste Management Services Division is responsible for the post-closure maintenance of these inactive landfill sites.

### **What type of waste is in the closed landfill sites?**

Closed landfills contain mostly municipal waste, construction waste, ash, and soil.

### **What is landfill gas and how does it move at closed landfill sites?**

As waste breaks down inside the landfill it produces gases. Landfill gas is mostly made up of methane and carbon dioxide, with trace amounts of sulfides and non-methane organic compounds. The gas produced in the ground travels up and/or sideways through pores in the soil and is released to the air where it is diluted with fresh air. The amount of gas produced by closed landfill decreases over time.

### **How is landfill gas measured and monitored?**

Landfill gas monitoring is accomplished using soil gas probes, which are small plastic pipes embedded in the soil. Probes are installed in the soil at various depths, usually anywhere from 5 to 20 meters deep, depending on conditions encountered. Closed landfill operations field staff use the probes to monitor below-ground soil gases using specialized instruments that connect to the probes. Probes are monitored a minimum of twelve (12) times per year (once per month).

### **Can landfill gas affect health?**

Methane and carbon dioxide, the two main components of landfill gas, are colourless, odourless and non-toxic. There is no health effect in venting these to the atmosphere. In very rare cases landfill gases migrate into basements and crawlspaces where, in extreme cases, displacement of oxygen could lead to temporary reduced coordination, fatigue, and nausea. Other landfill gas components are present in trace amounts and are unlikely to be associated with adverse health effects.

### **Are there risks from landfill gases? How are they being addressed?**

The City of Toronto's Solid Waste Division monitors closed landfills. When warranted, the City implements mitigation measures such as gas venting to provide a preferential pathway for the gasses. The biggest concern associated with methane is its ability to accumulate in enclosed spaces and pose an explosion risk at certain concentrations.

### **How does the Active Venting System release gas?**

Gas is released constantly from the surface of the closed landfill. Landfill gases can accumulate underground in the body of the waste and in soils near the waste. The Active Venting Systems will facilitate the collection and controlled release of landfill gas. Low concentrations of landfill gas will be collected through a fan and released through a pipe at the top of sheds located on the Waste Management Facility.

### **What approvals were obtained for this project?**

The air and noise emissions anticipated from the projects went through detailed technical reviews by the Ontario Ministry of Environment and Climate Change (MOECC). The MOECC issued an approval for the projects, with conditions for the operation and maintenance of the equipment.

### **Will there be noise?**

A small fan will run within each blower enclosure shed to collect the landfill gas and ventilate each shed.

### **Will there be odours from the landfill gas venting?**

Odours are not expected and have not been encountered at similar sites operated by the City.

### **What happens to trees removed for this work?**

To undertake construction and installation of the Active Venting Systems, 1 tree removal is required. The City is working with its Urban Forestry department to organize replanting and relocating established trees, to minimize impacts as much as possible.

**For more information on Toronto's Solid Waste Management Services visit: [www.toronto.ca/garbage](http://www.toronto.ca/garbage)**