

# NOTICE

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## Stormwater Management - Upper York Sewage Solutions Water Reclamation Centre and Phosphorus Offset Program

In the Town of East Gwillimbury

March 4, 2020

The Upper York Sewage Solutions project, when approved by the Province of Ontario, includes the Water Reclamation Centre and the Phosphorus Offset Program in the Town of East Gwillimbury. The Water Reclamation Centre will replace the existing Holland Landing Lagoons.

The Water Reclamation Centre will provide leading-edge microfiltration and reverse-osmosis wastewater treatment technology to turn wastewater into purified, clean water. It will work with the Phosphorus Offset Program to produce a net phosphorus reduction to the Lake Simcoe Watershed.

### About Phosphorus

Phosphorus occurs naturally in the environment and is an essential nutrient needed by plants and animals. Although some phosphorus is required to support a healthy aquatic ecosystem, too much phosphorus may lead to excessive growth of aquatic plants and algae. As these organisms decay, dissolved oxygen required by fish and other aquatic species is depleted.

By using advanced wastewater treatment process at the proposed Water Reclamation Centre, as well as the Phosphorus Offset Program, the project will meet the Lake Simcoe Protection Plan requirements for phosphorus management.

### Benefits of retrofitting stormwater management facilities

York Region plans to retrofit a number of stormwater management facilities in the Towns of Aurora, Newmarket and East Gwillimbury to increase phosphorus removal efficiencies.

When implemented, this program will result in several environmental, social and economic benefits including:

- Reduced frequency and severity of flooding that benefits public safety and protection of property
- Increased resilience of communities to climate change
- Enhanced ground-water recharge to the natural environment
- Creation of green industry jobs
- Improved water quantity and quality of downstream watercourses that flow into Lake Simcoe

York Region is responsible for design and construction costs to retrofit the stormwater facilities. When completed, the maintenance and ownership of the facilities will be transferred to the local area municipalities.



Stormwater Management Facilities

### If you have any questions, please contact:

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York Region