



# Presentation to PRLC

## Peterborough Infrastructure Project Update

### GROW Peterborough

February 11, 2021



# GROW Peterborough

GROW (Green Resource Organics Works)

James Istchenko, Manager of Environmental Services  
Cynthia Fletcher, Commissioner of Infrastructure and Planning Services

# Project Overview

## Proponent:

City of Peterborough

## Design, Planning, Permitting:

D.M. Wills Associated Ltd

## Technology Provider:

Sustainable Generation, in partnership with GORE® technologies

## Objective:

To develop a facility to process leaf & yard waste and source separated organics.

## Location:

Southern half of Lot 16, Concession 14 of the Otonabee Ward, within the Township of Otonabee-South Monaghan, at the existing Bensfort Road Waste Management Facility.

## Need:

- Waste-Free Ontario Act, November 2017
- Approximately 30% of waste stream comprised of organics
- Provincial ban on landfilling organics expected in 2023



# Background

The City currently operates a windrow composting facility located at Harper Road in the City of Peterborough, which serves the City and County of Peterborough.

The City & County currently operate pilot Green Bin programs with plans to expand City & County wide.

The City is pursuing the development of the Source Separated Organics GROW Peterborough with financial assistance from the federal government's Low Carbon Economy Fund.

The facility is expected to open in the fall of 2023.

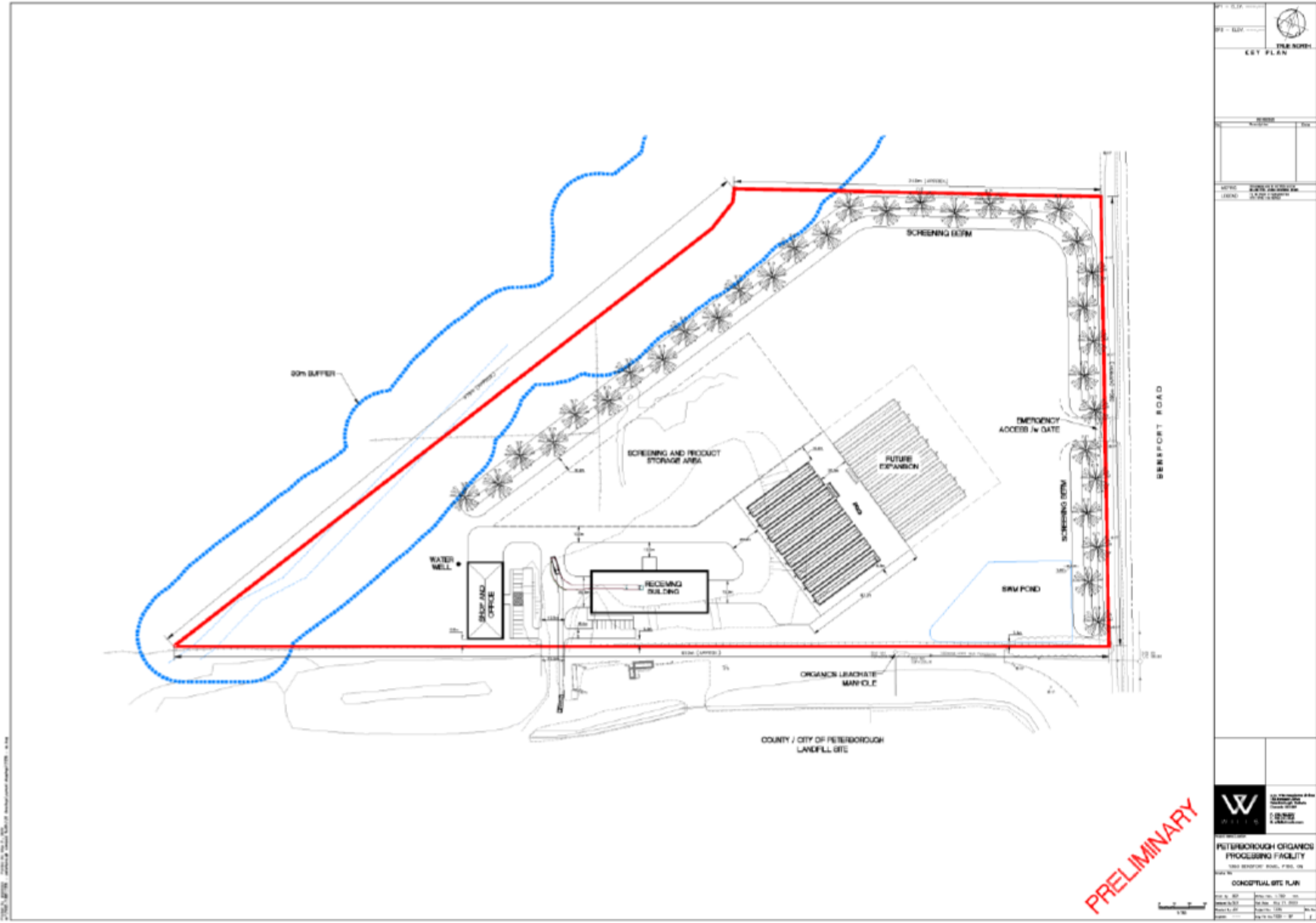
Funded in part by:  
Financé en partie par :  
**Canada**

  
peterborough





# Conceptual Plan





# Selected Technology

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The GORE® System has been selected, including the GORE® Cover and ancillary equipment

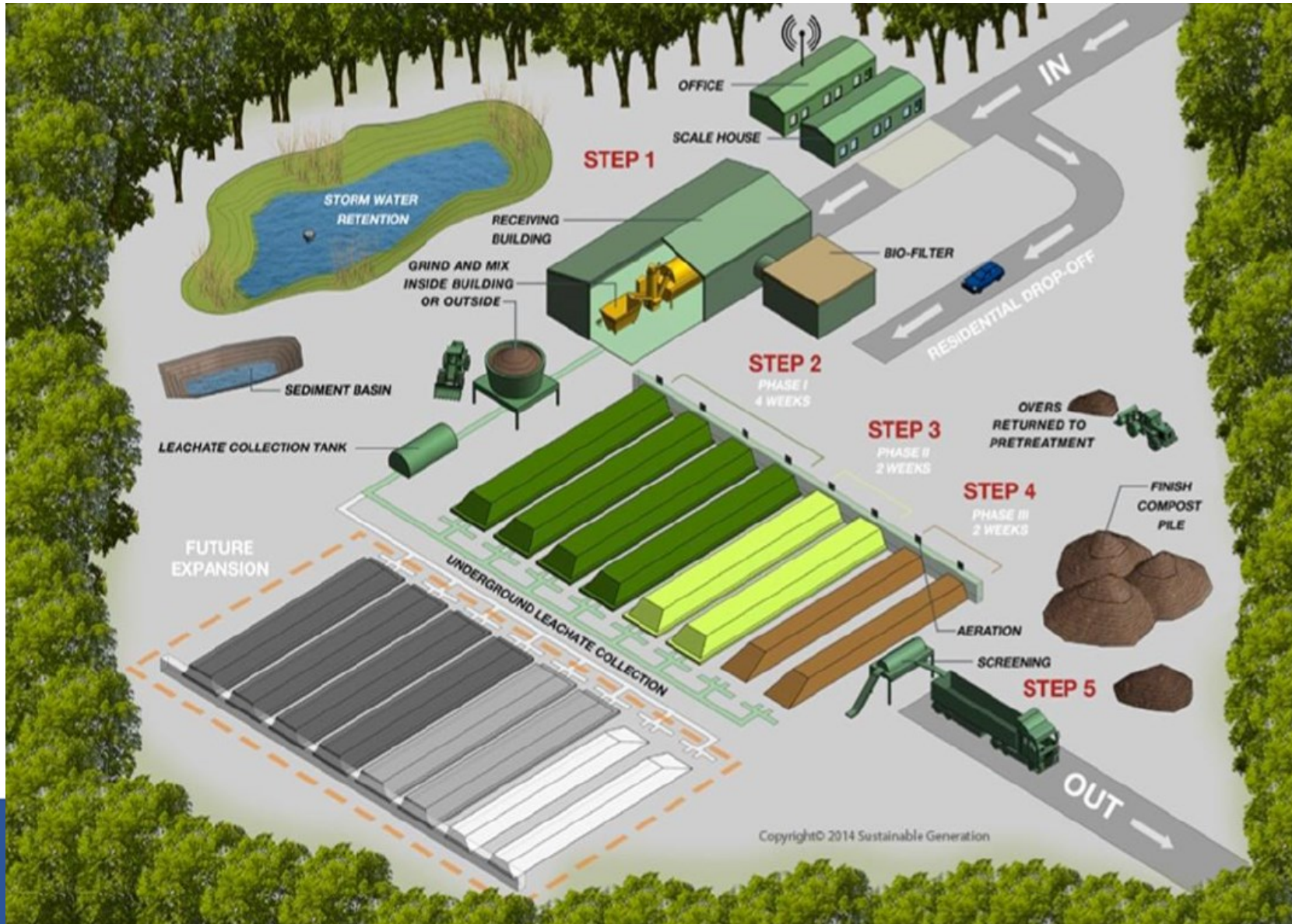
GORE® supplies a comprehensive aerated system proven around the world, supported by the MECP, and in use at several sites in Ontario

Equipped with an oxygen controlled, positively aerated process including an oxygen and temperature monitoring system

Decomposition occurs in a controlled aerobic environment, rather than the anaerobic decomposition in a landfill which produces Methane gas

Gore covers efficiently trap odours and other emissions such as dust and VOCs

# Process Schematic



# Technical Studies

The following technical studies will be submitted with the Planning Act application to the Township and County, as well as the MECP ECA application.

- Conceptual Site Plan
- Planning Justification Report
- Agricultural Impact Assessment
- Hydrogeological Assessment
- Geotechnical Assessment
- Traffic Impact Study
- EIS and Species at Risk Assessment
- Air, Noise, and Odour Impact Assessment
- Stormwater Management Report
- Stage 1 & Stage 2 Archaeological Assessment
- Consultation Report
- Odour Management and Control Plan
- Leachate Impact Assessment
- Design and Operations Report

To develop a facility to process leaf & yard waste as well as Source Separated Organics.





# Additional information

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**Project website:**

[www.peterborough.ca/grow](http://www.peterborough.ca/grow)

**Project email:**

[GROW@peterborough.ca](mailto:GROW@peterborough.ca)