



Stormwater Low Impact Development Potential in the City of Barrie's watershed

Development of All Season Stormwater Low Impact Development (LID) Practices for Lake Simcoe Watershed

Funded by Environment Canada's Lake Simcoe/Southeastern Georgian Bay Clean-Up Fund, Ontario Ministry of Environment and Climate Change, Lake Simcoe Region Conservation Authority, and Mosaik Home Glenway Inc.

Duration: 2015-2017

Significance: This award funded research on LID practices to reduce stormwater and phosphorus loading to Lake Simcoe in all four seasons. This project will contribute to low impact development guidelines being developed by Ontario Ministry of Environment and Climate Change.

Major findings:

1. Development of Four Season Stormwater Management Criteria;
2. Improvement of the design of stormwater exfiltration system;
3. Preparation of master stormwater low impact development plan for Barrie, Newmarket, East Gwillimbury, and Aurora;
4. Establishment of a field monitoring program for a stormwater exfiltration system in Newmarket.

Exfiltration System Experiments:

