



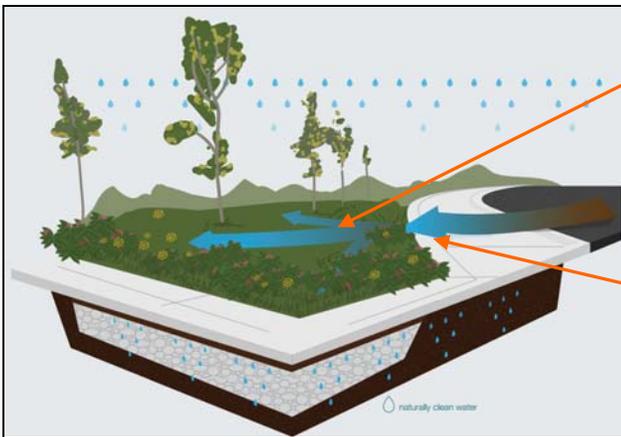
Lakeside Park

Location: Mississauga
Constructed: 2011



Project Overview

The City of Mississauga's 25 acre Lakeside Park features many innovative green features including a pervious concrete parking lot, green roof, bioswale (rain garden) and splash pad with water reused for park irrigation. CVC, in partnership with the City of Mississauga, is evaluating the performance of the bioswale.



Bioswale

The bioswale collects stormwater runoff from the parking lot and cleans the water through an engineered soil mixture and selected vegetation. In the rain garden, the interaction of plants, soil and natural microbes remove pollutants to improve the quality of water flowing back into Lake Ontario – our drinking water source.

Sheet Flow

The design does not include a curb to promote inflow of stormwater runoff. The parking lot runoff enters the rain garden as sheet flow.

Successes

CVC, in partnership with the City of Mississauga, is conducting regular maintenance inspection and evaluating the performance of the rain garden. The successes achieved with this project include:

Innovative Project – Lakeside Park includes a number of innovative low impact development practices. The project demonstrates the City's commitment to leading by example.

Protecting the Great Lakes – This project embraces the spirit of Lake Ontario by showcasing how to manage and clean stormwater before it enters the lake.

Demonstration Showcase – Lakeside Park has been showcased in presentations, events and site tours. These efforts have helped educate numerous stakeholders about the benefits of LID.

Public Acceptance – The bioswale landscape design has received positive feedback from the public. This has helped to increase public recognition and acceptance of LID.

Infrastructure Assessment

As part of CVC's Showcasing Water Innovation Project, the performance of Lakeside Park rain garden is being evaluated. This assessment will help to provide municipalities and property managers with information and tools they need to ensure that LID practices on their property are working properly.

Performance – preliminary assessments indicate that the bioswale is performing well.

Landscaping – the bioswale landscaping consists of straight lines, groupings and tiers. The plants have had two years to establish and are thriving.

Maintenance – the City of Mississauga has been performing maintenance including litter pickup, weeding and some irrigation. The bioswale has received the same level of maintenance as other City properties.



Green Roof is another feature on-site



Proud Partner

