

## Central Parkway Rain Garden

The Central Parkway Rain Garden helps Mississauga be a more sustainable, resilient, green city.

The Central Parkway Rain Garden uses a creative way of capturing and using water runoff, filtering it through soil to clean it in underground units, and then providing water for the trees above. Rain Gardens improve stormwater management by imitating natural processes to ensure clean water in our streams, rivers and Lake Ontario, which is the source of Mississauga's drinking water.

Reducing the amount of water entering the storm sewer system takes pressure off the system during extreme rainfall events. The rain garden provides an opportunity to expand Mississauga's Urban Forest. Trees filter the air we breathe and capture carbon, both of which help manage climate change.



### Central Parkway Rain Garden Facts

- approximately 40m (130ft) long and 4m (13ft) wide
- provides approximately 20m<sup>3</sup> (705 cubic feet) of water storage for the 25mm storm (1 inch)
- provides 105m<sup>3</sup> (3700 cubic feet) of soil for six trees and various plantings
- the garden includes manholes to monitor conditions entering and exiting the system

### How it Works

The garden is designed to capture water run-off from the street. The system uses a product called 'Silva Cells' that provide structural support that is filled with a mix of soil and sand called 'bioretention soil.' Water runoff is distributed through this soil, which filters excess nutrients. The soil and incoming water also promote the growth of healthy trees and plantings. The project was sponsored in part by the TD Green Streets Program. Credit Valley Conservation provided guidance around preparation of the site and will monitor stormwater flows.