

RWH for Landscape Irrigation Water Supply



Toronto, Ontario

Water Stored: 13,200 L.

Using captured rainwater for landscape irrigation.

Project Overview:

SMART Watering Systems INC. was asked to design a rainwater harvesting system and integrate it into a residential irrigation system also designed by SWS.

The client was building a brand new house in an older neighborhood and wanted to irrigate his new landscape without the use of costly potable water.

A portion of the backyard was excavated and a 13,200 L. rainwater storage tank was installed. Catchment basins with multi-stage filtration were installed beneath the residences downspouts in order to capture water during every rainfall event.

Ultimately the system was completely hidden and will have a patio with permeable pavers installed above it in order to further capture rainwater falling onto the backyard patio.

This system will also mitigate storm water from entering the adjacent ravine unfiltered.



Conservation Solutions Implemented:

- Storage: Modular aquablox
- Filtration: Multi-stage
- End Uses: Landscape irrigation
- End Result: Offsite storm water flow reduced, significant reduction in potable water usage

