Display Garden Rainwater Storage

Milton, Ontario

SMART Watering Systems INC.

Water Stored: 1,200 L.

Project Overview:

In an effort to reduce storm water run-off, a rainwater catchment system was installed in a 3 x 20 foot area between 2 driveways. A modular aquablox system was ideal due to space limitations.

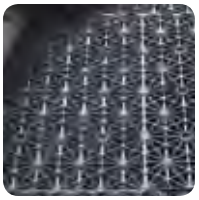
A total of 6 downspouts are collecting rainwater and channeling the water to the 1,200 litre underground storage area. Filtration basins at each down spout provide "first flush" filtration while a bubbling rock adds a secondary filtration step and aerates the water. System overflow feeds into an infiltration area that returns water to the hydrologic cycle.

By capturing this water, off-site flow has been eliminated and the residents have the additional benefit of a beautiful "rain garden" style water feature that enhances curb appeal.

Conservation Solutions Implemented:

Storage:
Modular aquablox.

Filtration:
Multi-stage

End Uses:
Car washing, gardens, hand watering.

End Result:
Off-site storm water flow reduced, significant reduction in potable water usage.