



RainXchange™ System—Pond Oswego, IL

Installed by Aquascape, Inc. on May 8, 2008

The RainXchange™ System by Aquascape, Inc. is typically paired with a Pondless® Waterfall or decorative fountainscape. In May 2008, the RainXchange™ was coupled with an ecosystem pond and waterfall for testing purposes.

Located in a new residential area in the Chicago suburb of Oswego, Illinois, the RainXchange™ was installed using 40 AquaBlox® for a storage capacity of 1300 gallons of rainwater. A Tsurumi 4PN pump was used to recirculate and aerate the water over the waterfalls and a Booster Pump was incorporated for irrigation purposes.

During the month of August, the area received approximately 3 inches of rainfall. The stored water was accessed twice for irrigation, using about 350 gallons of water for the surrounding landscape. Stored water averaged 1,050 gallons throughout the month.



Excavation of site. Rainwater storage basin in background and BioFalls® Filter shown in foreground where waterfall will begin.



Downspout Filter located under roof's gutter system for collection of rainwater run-off. Piping connected from Filter to storage basin.



Forty modular AquaBlox® set into excavated storage basin after liner is laid into place. Up to 1300 gallons can be stored underground.



Homeowner uses garden hose attached to Booster Pump to irrigate surrounding landscape utilizing the stored rainwater.