



FACT SHEET

Rosamond Gifford Zoo Stormwater Wetland & Cistern

Project Description: The Rosamond Gifford Zoo Stormwater Wetland and Cistern project was the fourth Save the Rain project completed at the Rosamond Gifford Zoo since 2010. Other projects at the Zoo include: porous pavement in the courtyard, a green roof on the new elephant barn, installation of rain gardens at Conservation Place and Wilbur Avenue, and the installation of porous pavement and a tree trench in the parking lots.

A new stormwater wetland was installed adjacent to the penguin exhibit. An open stream bed was constructed to allow water to flow from the stormwater wetland into the swan and duck ponds. Once the flow reaches the duck pond, it is pumped back to the stormwater wetland. This recirculation system greatly reduces the use of potable water at the Zoo, while simplifying and reducing the frequency of maintenance within the duck pond.

A stormwater cistern was also constructed near the bear exhibit. The cistern receives stormwater from the exhibit and adjacent pathways. The water in the cistern is then pumped into the exhibit into a newly constructed stream bed between two existing ponds. The stormwater flows continuously within the circulation system, again reducing potable water usage. In total, approximately 1,154,000 gallons of stormwater are captured annually by this project.

This project was recognized as a Top Stormwater Project of 2013 by Storm Water Solutions magazine and is featured in the November/December 2013 issue.

Project:	Rosamond Gifford Zoo Stormwater Wetland & Cistern
Project Owner:	Onondaga County
Project Location:	1 Conservation Place
Sewershed:	Harbor Brook
CSO:	004
GI Technology:	Stormwater Wetland, Cistern
Capture Area:	224,000 sq. ft.
Runoff Reduction:	1,154,000 gal/yr
Year Contracted:	2013
Cost:	TBD
Prime Contractors:	Bette & Cring (General) Knapp Electric (Electrical)



**Aerial Photograph of the Rosamond Gifford Zoo
after Construction**



**Stormwater Wetland with flow entering from
Open Stream Channel**

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