Glenwillow Bioswales

**Location:** Glenwillow, OH  
**Client:** Village of Glenwillow  
**Design Firm(s):** URS  
**Landscape architect/Project contact:** Katherine Gluntz Holmok, ASLA  
**Email:** katherine_holmok@urscorp.com  
**ASLA Chapter:** Ohio

**Project Specifications**

**Project Description:** Almost two miles of Tinker’s Creek lies within Glenwillow Village and Glenwillow is the only municipality within the watershed where the entire village drains into the creek. Tinker’s Creek is a large tributary to the Cuyahoga River, which flows into Lake Erie - Glenwillow’s drinking water source.

Stormwater bioswales were installed in the existing parking lot behind Village Hall, within the Town Center Park and the Building Department. These bioswales are designed to reduce grease, oil and sediment flowing into Tinker’s Creek and will help with the overall goals of restoring Tinker’s Creek. These bioswales will also beautify the Village by installing colorful flowers and educational signage. As part of this program, a volunteer Planting Day was held to educate residents, visitors and park users to the importance of clean water for Glenwillow.

**Project Type:**  
Government complex  
A retrofit of an existing property

**Design features:** Bioretention facility and curb cuts.

This project was designed to meet the following specific requirements or mandates: To meet funding criteria, developer/client preference

**Impervious area managed:** 5,000 sq/ft to 1 acre

**Amount of existing green space/open space conserved or preserved for managing stormwater on site:** less than 5,000 sq/ft
The regulatory environment and regulator was supportive of the project.

Did the client request that other factors be considered, such as energy savings, usable green space, or property value enhancements? The mayor desired the designs to be formal and improve the overall aesthetics of the Village.

Cost & Jobs Analysis
Estimated Cost of Stormwater Project: $10,000-$50,000 (Public funding: State, Surface Water Improvement Fund - Ohio EPA)

Related Information: Design - $12,600; Construction $50,000

Was a green vs. grey cost analysis performed? No

Cost impact of conserving green/open space for stormwater management over traditional site design/site development approaches (grey infrastructure)? Did not influence costs.

Number of jobs created: Not available

Job hours devoted to project: Not available
  Planning and Design: Not available
  Construction: Not available
  Annual Maintenance: Not available

Additional Information
Links to images: http://www.glenwillow-oh.gov/bioswale