



Green Infrastructure & Stormwater Management CASE STUDY

Tiffin University Nature Preserve

Location: Tiffin, OH

Client: Tiffin University

Design Firm(s): URS

Landscape architect/Project contact: Katherine Gluntz Holmok, ASLA

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ASLA Chapter: Ohio

Project Specifications

Project Description: Much of the new commercial development on the west side of Tiffin flows into the East Branch of Wolf Creek. This stormwater convenience had created erosion, stream bank under cutting and loss of habitat. Tiffin University owned a large portion of this waterway next to their athletic complex. This restoration project resulted in formation of a 30-acre preserve with 2 acres of streamside floodplain restoration creating 5 acre/feet of stormwater storage. A high quality forested wetland pool complex, a 1-mile recreational trail, 3 bridges, and a small public access parking lot was also built as part of the complex. Additionally Tiffin University created a conservation easement to permanently preserve the land with the Seneca County Park District. URS provided a complete range of services including, master planning, grant funding assistance, construction plans and specifications, as well as construction administration and permitting. Project completed in 2007.

Project Type:

Open space - park

Part of a new development

Design features: Stormwater floodplain wetland.

This project was designed to meet the following specific requirements or mandates: To meet funding criteria

Impervious area managed: greater than 5 acres

Amount of existing green space/open space conserved or preserved for managing stormwater on site: greater than 5 acres

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? No.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$100,000-\$500,000 (Public funding: State)

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)? Significantly reduced costs (10% or greater savings). This project was funded by the Clean Ohio fund.

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