



Green Infrastructure & Stormwater Management CASE STUDY

Toth Memorial Park

Location: Easton, CT

Client: Town of Easton, CT in collaboration with The Nature Conservancy and the Town of Wilton, CT

Design Firm(s): Seventy Acres, LLC

Landscape architect/Project contact: Nancy King, ASLA

Email: nking@seventyacres.com

ASLA Chapter: Connecticut

Project Specifications

Project Description: The project is a nostalgic 15-acre park with a stream, swimming pond, baseball fields, picnic area and children's play area. Design includes rain gardens and bioretention basins and streamside restoration plantings to bioremediate stormwater and modify habitat of foraging geese through ecological restoration. In turn, this will improve water quality, reduce excessive use of chemical fertilizers and pesticides, reduce soil erosion, provide appropriate conditions to re-establish native plantings and a more diverse wildlife population while creating an environment with increased opportunities for people to enjoy. Additionally, it will provide an opportunity for an outdoor classroom for children and adults to learn about stormwater management, bioremediation and habitat modification of geese to encourage diversity of wildlife.

Project Type:

Open space - park

A retrofit of an existing property

Design features: Rain garden, bioswale, native plantings, and ecological restoration.

This project was designed to meet the following specific requirements or mandates: To meet funding criteria - The Nature Conservancy and CT DEP

Impervious area managed: less than 5,000 sq/ft

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 goal was to maximize the sites capability while creating minimal disturbance.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$10,000-\$50,000 (Public funding: Local)

Was a green vs. grey cost analysis performed? No

Cost impact of conserving green/open space to the overall costs of the site design/development project: Not applicable

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:

Planning and Design: In progress now

Construction: Not available

Annual Maintenance: Not available

Performance Measures

Stormwater reduction performance analysis:

Planning and design in progress now.

Community & economic benefits that have resulted from the project: This project will improve water quality, reduce excessive use of chemical fertilizers and pesticides, reduce soil erosion, provide appropriate conditions to re-establish native plantings and a more diverse wildlife population while creating an environment with increased opportunities for people to enjoy. Additionally, it will provide an opportunity for an outdoor classroom for children and adults to learn about stormwater management, bioremediation and habitat modification of geese to encourage diversity of wildlife.