Green Infrastructure & Stormwater Management CASE STUDY

T-VSSI Regional Stormwater BMP Database

Location: Southeastern, PA
Client: Multiple
Design Firm(s): Not applicable
Landscape architect/Project contact: Not applicable
Email: lynn.mandarano@temple.edu
ASLA Chapter: No

Project Specifications

Project Description: The Temple-Villanova Sustainable Stormwater Initiative (T-VSSI) maintains a regional database of stormwater BMPs implemented in southeastern PA. In partnership with the Philadelphia Water Department we host an award program. Below is the link to access the database, which provides detailed profiles of roughly 100 projects. The profiles include project descriptions, costs, partners, contact information and design drawings or planting lists.

I manage this aspect of the T-VSSI program. Please feel free to email me if you would like to use any or all of these profiles for this study or if you need additional information. lynn.mandarano@temple.edu. Please note that I randomly filled out the remainder of the survey because the questions had to be completed in order to submit this response.

Project Type:
The database contains multiple projects
Part of a new development

Design features: Bioretention facility.

This project was designed to meet the following specific requirements or mandates:
State statute

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? No.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: >$5,000,000 (Public funding: Federal)

Related Information: multiple projects

Was a green vs. grey cost analysis performed? Yes

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).

Number of jobs created: Not applicable

Job hours devoted to project: Not applicable

Planning and Design: Not available
Construction: Not available
Annual Maintenance: Not available

Additional Information

Links to images: http://www.temple.edu/ambler/csc/t-vssi/BMPSurvey/project_profile.htm