



Green Infrastructure & Stormwater Management CASE STUDY

Brent Elementary Schoolyard Greening Project

Location: 301 North Carolina Ave. SE
Washington, DC 20003

Client: Brent Elementary PTA

Design Firm(s): Sustainable Life Designs

Landscape architect/Project contact: Michael
Lucy

Email: Michael@SustainableLifeDesigns.com

ASLA Chapter: None

Project Specifications

Project Description: Major improvements over the past four years have created a model learning environment for the children, teachers and parents at Brent Elementary School. Specific improvements include: eighteen thousand square feet of new landscaping, outdoor classrooms, walkways, seating areas, play equipment, safety surfacing and rain gardens. Removal of 1,300 square feet of asphalt and the installation of rain gardens in its place.

Project Type:

Institutional/Education

A retrofit of an existing property

Design features: Bioretention facility, rain garden, and rain barrels.

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

Developer/client preference

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

Amount of existing green space/open space conserved or preserved for managing stormwater on site: 5,000 sq/ft to 1 acre



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? Yes.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$100,000-\$500,000 (Public funding: Federal, state, local - NRCS, DC Government, and PTA)

Was a green vs. grey cost analysis performed? No.

Number of jobs created: Not available

Job hours devoted to project: Not available

Performance Measures

Stormwater reduction performance analysis:

Not available.

Project Recognition

Affiliated Professional Awards (e.g. APA Planning Award) - Sustainable SITES Pilot Project, State/Local Government Award - Brent PTA received 2nd Annual Liveable Walkable Community Award from Ward 6 Councilmember Tommy Wells.

Additional Information

Links to images: www.sustainablelifedesigns.com/galleries