Green Infrastructure & Stormwater Management
CASE STUDY

Waterview Recreation Center

Location: 5826 McMahon St., Philadelphia, PA
Client: Philadelphia Parks & Recreation
Design Firm(s): Meliora Environmental Design, PHS, PWD
Landscape architect/Project contact: Jessica Brooks
Email: jessica.brooks@phila.gov
ASLA Chapter: None.

![Image: Philadelphia Water Department]

Project Specifications

Project Description: This site serves as a demonstration for several types of green infrastructure. The sidewalk in front was replaced with porous concrete, a first for any sidewalk in Philadelphia. Stormwater infiltrates into a stone trench that also collects runoff from the street and waters trees behind the sidewalk. Roof leaders have been disconnected and connected to flow-through planter boxes.
**Project Type:**
Other (please specify) - institutional / open space / recreation center / public green street
A retrofit of an existing property

**Design features:** Downspout removal, porous pavement, and flow-through planter boxes.

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

**Impervious area managed:** 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? No.

**Cost & Jobs Analysis**
**Estimated Cost of Stormwater Project:** $100,000-$500,000  (Public funding:  Local)

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

**Number of jobs created:** Not available

**Job hours devoted to project:**
- Planning and Design: Not available
- Construction: Not available
- Annual Maintenance: 80 hours

**Performance Measures**
**Stormwater reduction performance analysis:**
Philadelphia designs their systems to manage the first inch of every storm from the drainage area. The metric used is acre-inches. This project manages .31 acre-inches.