Green Infrastructure & Stormwater Management
CASE STUDY

SE 21st and Tibbetts Green Street (People's Cooperative)

Location: Portland, OR
Client: City of Portland Bureau of Environmental Services, Bureau of Transportation
Design Firm(s): City of Portland Bureau of Environmental Services, Bureau of Transportation
Landscape architect/Project contact: Kevin Robert Perry, ASLA
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ASLA Chapter: Oregon

Project Specifications
Project Description: Constructed in 2006, this green street project combined the use of a stormwater curb extension and street stormwater planters. Approximately 4,500 sq/ft of runoff is first captured within the stormwater curb extension where it can be infiltrated into the ground. Any overflow is routed via a trench drain through an ADA ramp and into a series of two street stormwater planters. The project is a first of its kind to combine two different green street...
technologies at a street corner. In addition, the People’s Cooperative Market sits adjacent to the green street and also features a small green roof and roof downspout disconnection.

**Project Type:**
Transportation corridor/streetscape
A retrofit of an existing property

**Design features:** Green roof, downspout removal, stormwater curb extension, and street stormwater planters.

This project was designed to meet the following specific requirements or mandates: Not applicable

**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.

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

**Performance Measures**

**Stormwater reduction performance analysis:**
Detailed data can be found at:
http://www.portlandonline.com/bes/index.cfm?c=36055&a=343463
Community & economic benefits that have resulted from the project: This project is beneficial because it showcases many different elements of green infrastructure and the overall site is considered a neighborhood amenity.

Additional Information

Links to images: Pictures can be available by contacting Kevin Robert Perry at 503-239-0600 or email at kevin@nevuengan.com