



# Green Infrastructure & Stormwater Management CASE STUDY

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## 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

**Email:** [kevin@nevuengan.com](mailto:kevin@nevuengan.com)

**ASLA Chapter:** Oregon



Photo: Kevin Robert Perry, ASLA

### 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](mailto:kevin@nevuengan.com)