



# Green Infrastructure & Stormwater Management CASE STUDY

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## SW 12th Avenue Green Street

**Location:** Portland, OR

**Client:** City of Portland, Environmental Services

**Design Firm(s):** City of Portland, Environmental Services

**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:** Built in the summer of 2005, this street retrofit project demonstrates how both new and existing streets in downtown or highly urbanized areas can be designed to provide direct environmental benefits and be aesthetically integrated into the urban streetscape. The SW 12th Avenue Green Street at SW 12th and Montgomery on the Portland State University campus utilizes a series of landscaped stormwater planters designed to capture and infiltrate approximately 8,000 sq/ft of street runoff. This innovative streetscape project

effectively manages street runoff while still maintaining strong pedestrian circulation and on-street parking.

**Project Type:**

Transportation corridor/streetscape

A retrofit of an existing property

**Design features:** Street stormwater planters.

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

None

**Impervious area managed:** 5,000 sq/ft to 1 acre

**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

**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 for this project can be found at:

<http://www.portlandonline.com/bes/index.cfm?&a=167503&c=45386>

**Community & economic benefits that have resulted from the project:** Maintained on-street parking, better pedestrian circulation, and site aesthetics.

## Project Recognition

2006 ASLA General Design Honor Award; 2006 Chapter General Design Honor Award

### **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)