



Green Infrastructure & Stormwater Management CASE STUDY

NE Siskiyou Green Street

Location: Portland, OR

Client: City of Portland, Bureau of Environmental Services

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

Landscape architect/Project contact: Kevin Robert Perry, ASLA

Email: kevin@nevuengan.com

ASLA Chapter: Oregon



Photo: Kevin Robert Perry, ASLA

Project Specifications

Project Description: Built in 2003, this project was Portland's first residential green street to utilize stormwater curb extensions. The NE Siskiyou Green Street Project is a good example of how landscaped stormwater curb extensions are integrated into the street system.

Environmental Services built the landscaped extensions in the parking zone on each side of NE

Siskiyou Street just above the storm drain inlets. Stormwater flows into the landscaped area, slows down and soaks into the ground while wetland plants filter pollutants. Any water that overflows the landscaped areas enters the storm drain inlets. The curb extensions reduce the amount of stormwater that flows off NE Siskiyou Street into the combined sewer system. Environmental Services worked closely with residents during design and construction.

Project Type:

Transportation corridor/streetscape

A retrofit of an existing property

Design features: Landscaped stormwater curb extensions.

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

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

Cost impact of conserving green/open space for stormwater management over traditional site design/site development approaches (grey infrastructure)? Not applicable

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:

There is extensive project data at:

<http://www.portlandonline.com/bes/index.cfm?c=45386&a=78299>

Community & economic benefits that have resulted from the project: The NE Siskiyou Green Stree is considered a huge demonstration project success both in Portland and nationally. The project has been recorded as increasing property values and as result of the project, hundreds of residents have signed onto a list to have stormwater curb extensions along their neighborhood streets.

Project Recognition

2007 ASLA 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

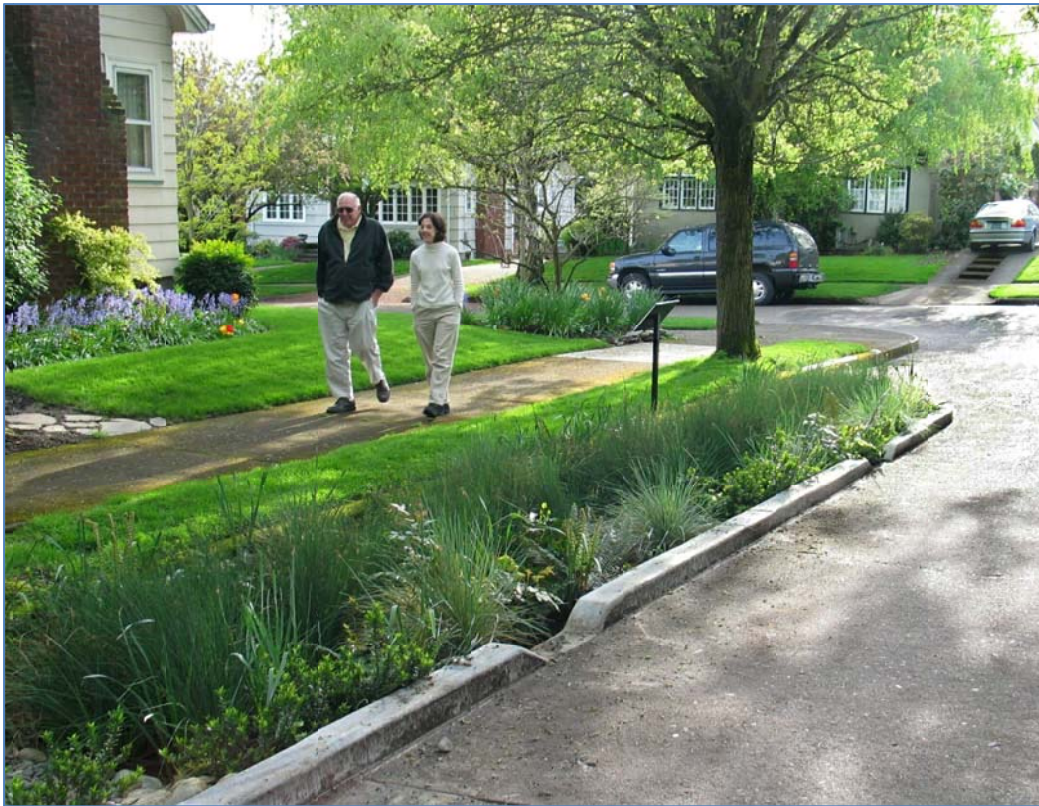


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