



Green Infrastructure & Stormwater Management CASE STUDY

NE Fremont and 131st 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

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ASLA Chapter: Oregon



Photo: Kevin Robert Perry, ASLA

Project Specifications

Project Description: Built in 2005, this green street project introduced a stormwater curb extension in coordination with an ADA pedestrian ramp near a local elementary school. The curb extension captures runoff from 4,500 sq/ft of paved surfaces. It treats and infiltrates most of the runoff it receives, providing volume and flow control and water quality benefits. The project was the first green street to integrate an ADA crossing with stormwater management.

Project Type:

Transportation corridor/streetscape
A retrofit of an existing property

Design features: Stormwater curb extension

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=45386&a=167585>

Community & economic benefits that have resulted from the project: Traffic calming, enhanced pedestrian crossing, and overall neighborhood greening.

Additional Information

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



Photo: Kevin Robert Perry, ASLA