



# Green Infrastructure & Stormwater Management CASE STUDY

## Southwest Montgomery Green Street Plan

**Location:** Portland, OR

**Client:** City of Portland, Bureau of Environmental Services; Portland Development Commission

**Design Firm(s):** Nevue Ngan Associates; Sisul Engineering

**Landscape architect/Project contact:** Kevin Robert Perry, ASLA

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

**ASLA Chapter:** Oregon



### Project Specifications

**Project Description:** This nine-block conceptual plan looks at creating a highly pedestrian-oriented streetscape that incorporates a variety of stormwater strategies along the streetscape including stormwater swales, planters, green walls, green roofs, surface stormwater conveyance, creative downspout disconnection, and pervious paving. Simultaneous multi-block development along the Southwest Montgomery Green Street, including the proposed Oregon Sustainability Center will dramatically build upon the long-term efforts advanced by the City, Portland State University, private developers, and businesses over the past four decades. The strategic convergence of these elements will successfully activate the neighborhood, enhance the pedestrian experience, and foster sustainability as a relationship between academic, residential,

and business communities. Two blocks of the concept plan have been implemented, with other blocks slated to be built in the near future.

**Project Type:**

Transportation corridor/streetscape

A retrofit of an existing property

**Design features:** Bioretention facility, rain garden, green roof, downspout removal, porous pavers, a curbless street profile with a continuous stormwater planter spine as well as green walls.

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

Developer/client preference

**Impervious area managed:** 1 acre to 5 acres

**Amount of existing green space/open space conserved or preserved for managing stormwater on site:** 5,000 sq/ft to 1 acre

**The regulatory environment and regulator was** supportive of the project.

**Did the client request that other factors be considered, such as energy savings, usable green space, or property value enhancements?** No.

**Cost & Jobs Analysis**

**Estimated Cost of Stormwater Project:** \$50,000-\$100,000 (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:** Data not available

**Community & economic benefits that have resulted from the project:** The Southwest Montgomery Green Street is a multi-phase project with two blocks of the plan already implemented. Two additional blocks are to be built within the next 2 years. The overall response to the built projects have been positive with a substantial increase of perceived property value for Portland State University.

## 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)

