



Green Infrastructure & Stormwater Management CASE STUDY

Logus Road Green Street

Location: Milwaukie, OR

Client: City of Milwaukie

Design Firm(s): Nevue Ngan Associates; HHPR Engineering

Landscape architect/Project contact: Kevin Robert Perry, ASLA

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ASLA Chapter: Oregon



Photo: Kevin Robert Perry, ASLA

Project Specifications

Project Description: For this project, the landscape architect worked with the City of Milwaukie, Oregon to implement the first “curbless” residential green street retrofit project in the City of Milwaukie. The Logus Road Green Street utilizes several strategies to capture, slow, filter, and infiltrate stormwater runoff including stormwater planters, stormwater curb extensions, and pervious concrete sidewalks. The most prominent feature of the green street is its narrow “green gutter” system that captures 20,000 square feet of runoff and manages it on-site using a landscaped approach. The Logus Road Green Street demonstrates how residential streets can be designed, or in this case retrofitted to provide environmental benefits through on-site stormwater management. The landscape architect also provided the conceptual design,

technical assistance, construction administration, and developed an operations and maintenance plan for the project.

Project Type:

Transportation corridor/streetscape

A retrofit of an existing property

Design features: rain garden, bioswale, stormwater planters, and stormwater curb extensions.

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

Developer/client preference

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: \$100,000-\$500,000 (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

Performance Measures

Stormwater reduction performance analysis:

While the data is not yet available, it is estimated that the green street can capture and manage at least the 2-year storm event.

Community & economic benefits that have resulted from the project: The project has greatly enhanced the aesthetics of this residential street. The addition of a sidewalk and narrower traffic lanes has provided a much safer route for pedestrians, including school children traveling to the school that is located within the project site.

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