



Green Infrastructure & Stormwater Management CASE STUDY

Olympia Woodland Trail

Location: Olympia, WA

Client: Olympia Parks, Arts and Recreation Department

Design Firm(s): Robert W. Droll, Landscape Architect, PS

Landscape architect/Project contact: Bob Droll, ASLA

Email: bob@rwdroll.com

ASLA Chapter: Washington

Project Specifications

Project Description: 1.5 mile trail section as part of the Olympia Woodland Trail Greenway with trailhead.

Project Type:

Trail and trailhead

Part of a new development

Design features: Rain garden, green roof, porous pavers, and porous asphalt.

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

Impervious area managed: 1 acre to 5 acres

Amount of existing green space/open space conserved or preserved for managing stormwater on site: greater than 5 acres

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? Retain water on site.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$500,000-\$1,000,000 (Public funding: State, local)

Was a green vs. grey cost analysis performed? No

Cost impact of conserving green/open space to the overall costs of the site design/development project: Reduced costs

Cost impact of conserving green/open space for stormwater management over traditional site design/site development approaches (grey infrastructure)? Significantly reduced costs (10% or greater savings).

Number of jobs created: 40

Job hours devoted to project:

Planning and Design: 1,500

Construction: 4,000

Annual Maintenance: 40

Performance Measures

Stormwater reduction performance analysis:

100% of stormwater retained on site.

Community & economic benefits that have resulted from the project: Enhanced transportation experience, reduced stormwater runoff & reduced flooding potential.

Project Recognition

State of Washington