



Green Infrastructure & Stormwater Management CASE STUDY

Panhandle Health District Office Building

Location: Hayden, ID

Client: State Of Idaho - Dept of Health & Welfare

Design Firm(s): Architects West

Landscape architect/Project contact: Landmark Landscape Architects

Email: jonm@architectswest.com

ASLA Chapter: Idaho-Montana

Project Specifications

Project Description: Sustainable site development as a showcase and educational project demonstrating accepted and contemporary BMPs for sustainable site development.

Project Type:

Government complex

Part of a new development

Design features: Bioretention facility, rain garden, bioswale, cistern, downspout removal, porous pavers, curb cuts.

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

State statute, local ordinance

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: 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? Water use, native/drought resistance plant selection, education/interpretation component, storm components/bmps to be accessible.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$10,000-\$50,000 (Public funding: State, local)

Was a green vs. grey cost analysis performed? No, it was determined early on that this was to be showcase project for best practices.

Cost impact of conserving green/open space to the overall costs of the site design/development project: No effect as it was figured into the initial cost models.

Cost impact of conserving green/open space for stormwater management over traditional site design/site development approaches (grey infrastructure)? Slightly reduced costs (1-9% savings).

Number of jobs created: Not available

Job hours devoted to project:

Planning and Design: Not available

Construction: Not available

Annual Maintenance: Not available

Performance Measures

Stormwater reduction performance analysis:

100% of stormwater retained and treated on site.

Community & economic benefits that have resulted from the project: The site sits above a sole source aquifer. Stormwater for 150-car parking lot and access drives treated and released to base flow.

Project Recognition

Idaho-Montana ASLA Chapter Honor Award