



Green Infrastructure & Stormwater Management CASE STUDY

Lake City High School

Location: Coeur d'Alene, ID

Client: Cd"A School District # 271

Design Firm(s): Architects West

Landscape architect/Project contact: Landmark Landscape Architects

Email: jonm@architectswest.com

ASLA Chapter: Idaho-Montana

Project Specifications

Project Description: Site design for 52-acre high school site.

Project Type:

Institutional/education

Part of a new development

Design features: Bioswale and curb cuts.

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

Local ordinance

Impervious area managed: greater than 5 acres

Amount of existing green space/open space conserved or preserved for managing stormwater on site: 1 acre to 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? Maintenance issues related to bioswale function were a prime consideration.

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 to the overall costs of the site design/development project: It made the project happen as we had no other stormwater alternative.

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%

Community & economic benefits that have resulted from the project: Site sits over sole source aquifer and stormwater for 1000-car parking areas plus access drives is all treated & released to aquifer below.

Project Recognition

Merit Award, ASLA Idaho-Montana Chapter; Council of Education Facilities Planners International

Additional Information

Links to images: www.landmark-aw.com