



Green Infrastructure & Stormwater Management CASE STUDY

Edmond Soccer Field Expansion

Location: Edmond, OK

Client: City of Edmond

Design Firm(s): C.H. Guernsey & Company

Landscape architect/Project contact: Michael Sottong

Email: mike.sottong@chguernsey.com

ASLA Chapter: None

Project Specifications

Project Description: The project consisted of the addition of new premier soccer fields to the existing soccer complex a parking lot, fencing, concession/bathroom building, and the rain gardens.

Project Type:

Athletic fields

Part of a new development

Design features: Rain garden.

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: 1 acre to 5 acres

The regulatory environment and regulator was indifferent to the project.

Did the client request that other factors be considered, such as energy savings, usable green space, or property value enhancements? Yes. The City is developing an adjacent retail area. The rain gardens will provide a landscape edge between the retail development and the soccer fields.

Cost & Jobs Analysis

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

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. The addition of the rain gardens did not effect the cost.

Number of jobs created: None

Job hours devoted to project:

Planning and Design: 120

Construction: 480

Annual Maintenance: 100

Performance Measures

Stormwater reduction performance analysis:

No studies were done.

Community & economic benefits that have resulted from the project: The developments biggest benefit has come from an awarness from the City about how to do things differently.