Green Infrastructure & Stormwater Management
CASE STUDY

Auburn Research Park-Building One

Location: Auburn, AL
Client: Research Park Board
Design Firm(s): Gresham, Smith & Partners
Landscape architect/Project contact: Chuck Kelly
Email: chuck@kelly-la.com
ASLA Chapter: None

Project Specifications
Project Description: We treated stormwater from the roof and parking lot in bioswales as well as used native plants.

Project Type:
Institutional/education
Part of a new development

Design features: Rain garden, bioswale, downspout removal, porous pavers, and curb cuts.

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: less than 5,000 sq/ft

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? Yes, minimize site disturbance.

Cost & Jobs Analysis
Estimated Cost of Stormwater Project: $100,000-$500,000 (Public funding: State)

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 reduced site infrastructure 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: 50

Job hours devoted to project:
- Planning and Design: 80
- Construction: 20
- Annual Maintenance: 6

Performance Measures

Stormwater reduction performance analysis:
I do not have access to this anymore since leaving the firm (GSP).

Community & economic benefits that have resulted from the project: It is the first new business incubator on campus.

Project Recognition
LEED Gold 2009