



# Green Infrastructure & Stormwater Management CASE STUDY

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## 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](mailto: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