



Green Infrastructure & Stormwater Management CASE STUDY

100 Domain Drive Parking Lot Renovations

Location: Exeter/Stratham, NH

Client: Altid Investments

Design Firm(s): Jones and Beach Engineers, Ironwood design group (landscape architecture)

Landscape architect/Project contact: Jeffrey R. Hyland, ASLA

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ASLA Chapter: Boston

Project Specifications

Project Description: The project included the renovation of an existing corporate campus building to include the creation of three new satellite parking lots and the elimination of an equal amount of underutilized aging parking. The three parking areas utilize bioretention rain gardens to capture, attenuate, and filter 85% of all stormwater that falls on the new parking lots and roadways. Site work began 3/29/11.

Project Type:

Commercial

A retrofit of an existing property

Design features: Bioretention facility, rain garden, bioswale, and curb cuts.

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

State statute, local ordinance, 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: 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? Maintenance, attractiveness

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$100,000-\$500,000 (Public funding: None)

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.

Number of jobs created: Not available

Job hours devoted to project:

Planning and Design: 100

Construction: Not available

Annual Maintenance: Not available

Performance Measures

Stormwater reduction performance analysis:

85% of stormwater is being captured and filtered