



Green Infrastructure & Stormwater Management CASE STUDY

Anne Reid Early Childhood Learning Center

Location: Naperville, IL

Client: Naperville School District

Design Firm(s): Wight & Company

Landscape architect/Project contact: Jay Womack, ASLA, LEED AP

Email: jwomack@wrdenvironmental.com

ASLA Chapter: Illinois



Image: Wight and Company

Project Specifications

Project Description: This new school utilized a series of BMPs to help control stormwater for the entire project and incorporated a series of educational graphics to showcase the green infrastructure items on the site.

Project Type:

Institutional/education

Part of a new development

Design features: Rain garden, bioswale, green roof, porous pavers, and curb cuts.

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

Local ordinance

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 supportive of the project.

Did the client request that other factors be considered, such as energy savings, usable green space, or property value enhancements? No.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$100,000-\$500,000 (Public funding: State, an IEPA 319 Grant was awarded to the project)

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: The preservation of open space was a small peice of the project. The goal was to incorporate green infrastructure throughout the site to help reduce impacts to a local stream as well as help reduce standing water in a detention facility that can now be used for passive and active recreation.

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: > 1,000

Construction: > 1,000

Annual Maintenance: TBD

Performance Measures

Community & economic benefits that have resulted from the project: The school is now a teaching tool for the entire city and will introduce many people to sustainable green infrastrucutre.

Additional Information

Links to images: <http://schools.naperville203.org/annreid/>
<http://www.naperville203.org/departments/buildings/BuildingECC.asp>
<http://www.naperville203.org/AnnReidIndex.asp>