



Green Infrastructure & Stormwater Management CASE STUDY

Tri-Centennial Place Parking Lot

Location: City Park - New Orleans, LA

Client: New Orleans City Park

Design Firm(s): BROWN+DANOS landdesign, inc.

Landscape architect/Project contact: Chad D. Danos, ASLA

Email: cdanos@browndanos.com

ASLA Chapter: Louisiana

Project Specifications

Project Description: BROWN+DANOS was hired by the Civil Engineer to "landscape" a new parking lot in the Historic New Orleans City Park. With the parking lot adjacent to a botanical garden, we suggested a more sustainable approach to stormwater by creating a rain garden in the middle of the parking lot and allowing stormwater to drain to instead of catch basins.

Project Type:

Open space - garden/ arboretum

Part of a redevelopment project

Design features: Rain garden and bioswale.

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: 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? No.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$50,000-\$100,000 (Public funding: Federal, state, local)

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)? Slightly reduced costs (1-9% savings).

Number of jobs created: Not available

Job hours devoted to project: Not available

Planning and Design: Not available

Construction: Not available

Annual Maintenance: Not available

Performance Measures

Stormwater reduction performance analysis:

Not available