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