



Green Infrastructure & Stormwater Management CASE STUDY

Marsh Park

Location: Los Angeles, CA

Client: Mountains Recreation & Conservation Authority

Design Firm(s): California Landscape Design Associates, John M. Cruikshank Consultants, Inc.,

Landscape architect/Project contact: Information unavailable

Email: Laura Saltzman - Landscape Architect

ASLA Chapter: Southern California

Project Specifications

Project Description: This .5-acre passive recreational park replaced an 80' section of box culvert with a detention basin which now allows residential runoff to infiltrate on site instead of flowing into the Los Angeles River. Other amenities include picnic areas, a children's nature themed play area, native landscaping and a trail connection to the Los Angeles River Bike Path.

Project Type:

Multifamily residential

Part of a new development

Design features: Bioretention facility

This project was designed to meet the following specific requirements or mandates: To meet funding criteria, 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 apprehensive about the project.

Did the client request that other factors be considered, such as energy savings, usable green space, or property value enhancements? In addition to maximizing stormwater management, other stated project objectives included providing public recreation, access to the Los Angeles River, creation of a native landscape and overall, low maintenance.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$100,000-\$500,000 (Public funding: State, regional)

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: Not applicable

Cost impact of conserving green/open space for stormwater management over traditional site design/site development approaches (grey infrastructure)? Slightly increased.

Number of jobs created: Information unavailable

Job hours devoted to project:

Planning and Design: Information unavailable

Construction: 5 man crew - full time for 5 months

Annual Maintenance: 52 hours/year

Performance Measures

Stormwater reduction performance analysis:

Detention basin is sized to hold 3859 cubic feet of water and should infiltrate within 24 hours.

Community & economic benefits that have resulted from the project: The most significant economic and community benefits resulting from this project include enhancements to existing adjacent properties, provision of new recreational opportunities for residents of this neighborhood and the creation of new wildlife habitat . Furthermore, there are additional park plans now being formulated for the remaining portion of the 5.4-acre property in which this initial .5-acre development now sits.

Additional Information

Links to images: <http://lamountains.com/parks.asp?parkid=669>