Green Infrastructure & Stormwater Management CASE STUDY

Los Angeles Zoo Parking Lot Project

Location: Los Angels Zoo, Griffith Park, Los Angeles, CA
Client: City of Los Angeles
Design Firm(s): Mia Lehrer and Associates, Landscape Architects and Tetra Tech, Civil Engineers
Landscape architect/Project contact: Jeff Hutchins, ASLA
Email: jeff@mlagreen.com
ASLA Chapter: Southern California

Project Specifications

Project Description: The project was to improve the overall appearance and entry walkway to the Los Angeles Zoo. The Zoo also wanted to demostrate different stormwater management components to the visiting public. This was done by designing in bioswales in the parking lot medians, permeable concrete parking stalls, permeable ashpalt parking stalls, and permiable concrete pavers in the parking stalls. Signage was strategically located throughout the parking lot to describe the different systems in use.

Project Type:
Transportation corridor/streetscape
A retrofit of an existing property

Design features: Bioretention facility, bioswale, porous pavers, curb cuts, permeable concrete, and permeable asphalt.

This project was designed to meet the following specific requirements or mandates:
Local ordinance, to meet funding criteria

Amount of existing green space/open space conserved or preserved for managing stormwater on site: greater than 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: $1,000,000-$5,000,000 (Public funding: Local - Prop O funding)

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: New green space was created.

Cost impact of conserving green/open space for stormwater management over traditional site design/site development approaches (grey infrastructure)? Not applicable

Number of jobs created: 7-8 disciplines

Job hours devoted to project:

Planning and Design: Not available
Construction: mid Feb 2010 to mid Jan 2011
Annual Maintenance: Not available

Performance Measures

Stormwater reduction performance analysis:
Data not readliy available at this time but can be. Estimate 75% stormwater retained on site.

Community & economic benefits that have resulted from the project: to new to tell yet but it will hugely educate the public and reduce pollution of stormwater and ground water systems.