



Green Infrastructure & Stormwater Management CASE STUDY

Riverdale Green Street

Location: Riverdale, 1 block South of Los Angeles River Channel, Los Angeles, CA

Client: City of Los Angeles, Bureau of Sanitation/Watershed Protection Division

Design Firm(s): City of Los Angeles, Bureau of Engineering

Landscape architect/Project contact: Deborah Deets, ASLA, BOS/Richard Fisher ASLA, BOE

Email: Deborah.deets@lacity.org

ASLA Chapter: Southern California



Photo: Joe Linton

Project Specifications

Project Description: A pilot project directed to develop new city standards for the public right of way.

Project Type:

Residential street scape

A retrofit of an existing property

Design features: Bioretention facility, porous pavers, and curb cuts.

This project was designed to meet the following specific requirements or mandates: To meet funding criteria, assist with meeting LA River TMDLs

Impervious area managed: greater than 5 acres

Amount of existing green space/open space conserved or preserved for managing stormwater on site: Dealing with parkways only, not major habitat areas. The project now delivers filtered runoff to the LA River soft bottom section at the street end, which is a valuable wildlife area.

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? Yes.

Cost & Jobs Analysis

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

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)? Did not influence costs.

Number of jobs created: 50+/- created fully or partially

Job hours devoted to project:

Planning and Design: Not available

Construction: Estimate: 3 months, 5/day/ 6 man crew

Annual Maintenance: Estimate: to 60 hours

Other: Monitoring, analyses and plan changes, Est. 200 hours

Performance Measures

Stormwater reduction performance analysis:

At a minimum, project is required to capture 3/4" runoff from the adjacent parcel before it enters the stormwater system. See URL above for project scope, plans can be forwarded by request.

Community & economic benefits that have resulted from the project: Property values and walkability from both street to sidewalk, and from street end to street end. Benefit to future city practices. (Standard plans and contractor trenching equipment surpassed prior available equipment, and resulted in cost savings and greater trench width/capacity).

Additional Information

Links to images: See: <http://lacreekfreak.wordpress.com/2010/05/27/more-images-of-the-riverdale-green-street-project/>

<http://eng.lacity.org/techdocs/stdplans/s-400.htm> (Piloted) See S-484, designed by Landscape Architect as first set of Greenstreet standard plans (nationally) by municipality.

Ongoing analyses for water quality and BMP Performance (4 year monitoring plan). More information available on request. Community is very pleased with project.