



Green Infrastructure & Stormwater Management CASE STUDY

Louie Pompei Memorial Sports Park

Location: Glendora, CA

Client: City of Glendora

Design Firm(s): HAI Hirsch & Associates Inc., VA Consulting Engineers, TAG Architects

Landscape architect/Project contact: Patrick L. Hirsch, ASLA, Landscape Architect

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ASLA Chapter: Southern California

Project Specifications

Project Description: The 18-acre sports park was an existing Los Angeles County Flood Control retention basin that was purchased by the City of Glendora to provide additional sports and recreational facilities. Stormwater management techniques included collection, retention, cleaning, and percolation of on-site water through the use of a stormwater collection system and cisterns. During critical storm occurrences excess water is cleaned then pumped into the adjacent storm channel. The park consist of 5 baseball/softball fields, regulation football stadium with seating for 750 spectators, regulation soccer fields, sports lighting for all fields, restroom/concession building, maintenance building and parking for 350 cars. Construction cost was \$9.5 million in 2007.

Project Type:

Open space - park

Part of a new development

Design features: Bioretention facility and cistern.

This project was designed to meet the following specific requirements or mandates:

State statute

Impervious area managed: greater than 5 acres

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? All of the above were included in the project.

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$500,000-\$1,000,000 (Public funding: Local)

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: The project is a park site so there was no added cost for conserving open space.

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: 10 Professional, 30 Construction

Job hours devoted to project:

Planning and Design: 5,000

Construction: 90,000

Annual Maintenance: 100,000

Performance Measures

Stormwater reduction performance analysis:

100% of 2-year to 100-year storm events are retained on site. Stormwater exceeding a 100-year storm event is transferred to the adjacent storm channel once the storm event is over and the channel can accept the water. Once the excess stormwater leaves the park site it is transferred down stream by the storm channel to spreading ground for percolation into the ground water table.

Community & economic benefits that have resulted from the project: The primary beneficiaries is the city and surrounding business that support the youth sports programs and improved access to adjacent existing residential neighborhood.

Additional Information

Links to images: Please contact me at my E-mail address and I will send you the photos of the project. Thanks.