



Green Infrastructure & Stormwater Management CASE STUDY

San Mateo County Sustainable Green Streets and Parking Lots Design Guidebook

Location: San Mateo County, CA

Client: San Mateo Countywide Water Pollution Prevention Program

Design Firm(s): Nevue Ngan Associates; Sherwood Design Engineers

Landscape architect/Project contact: Kevin Robert Perry, ASLA

Email: kevin@nevuengan.com

ASLA Chapter: Oregon

Project Specifications

Project Description: The design team assisted the San Mateo Countywide Water Pollution Prevention Program (SMCWPPP) in the development of a technical stormwater design guidebook that will help 21 local municipalities implement demonstration green street and sustainable parking lot projects. This 175+ page guidebook provides a green street design “tool box” that gives local designers and policy makers multiple options for using stormwater swales, stormwater planters, “green” gutters, pervious paving, stormwater curb extensions, and rain gardens in ultra-urban and residential land use applications. Strong emphasis is also placed on creating pedestrian friendly streetscapes and the use of alternative transportation such as transit and bicycling. The guidebook contains technical green street design information as well as userfriendly design graphics and language, including a series of “before and after” perspective sketches of potential green street retrofit projects. The guidebook has been recognized as having national significance by helping provide designers, builders, municipalities, and other interested groups a simple but powerful document for creating green streets and green parking lots.

Project Type:

Other (please specify)

Part of a redevelopment project

Design features: Bioretention facility, rain garden, bioswale, porous pavers, and curb cuts. All green street and parking lot stormwater strategies used.

This project was designed to meet the following specific requirements or mandates: Not applicable

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: \$100,000-\$500,000 (Public funding: State, regional, 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)? Did not influence costs.

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

Project Recognition

2009 California APA "Innovation in Green Community Planning Award"

Additional Information

Links to images: Pictures can be available by contacting Kevin Robert Perry at 503-239-0600 or email at kevin@nevuengan.com