Green Infrastructure & Stormwater Management
CASE STUDY

Joint Use Facility City College of San Francisco

Location: San Francisco, CA
Client: City College of San Francisco
Design Firm(s): Royston Hanamoto Alley & Abey, VBN Architects, Pfau Architecture
Landscape architect/Project contact: Aditya Advani, ASLA and James Ingels, ASLA
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ASLA Chapter: Northern California

Project Specifications
Project Description: 20,000 plus sq/ft green roof with a mix of plant material. Native/non-native succulents a large portion of the planting interspersed with selective native perennials. Small check dams incorporated into the sloped roof corresponded with plant material tolerances.

Project Type:
Institutional/education
Part of a new development

Design features: Green roof.

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

Impervious area managed: 5,000 sq/ft to 1 acre

Amount of existing green space/open space conserved or preserved for managing stormwater on site: 5,000 sq/ft to 1 acre

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: $500,000-$1,000,000 (Public funding: State)
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)? Significantly increased.

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

Performance Measures
Stormwater reduction performance analysis:
Not available