



2009 SCVURPPP Site Design Awards

Summary of Award-Winning Projects

SCVURPPP Site Design Awards Program

The Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP) is a consortium of 13 cities in the Santa Clara Valley, Santa Clara County and the Santa Clara Valley Water District that share a joint permit to discharge stormwater to South San Francisco Bay. The Program's stormwater permit contains requirements for stormwater control measures to remove pollutants and limit runoff from development projects above a certain size. These measures can include changes in site design to mitigate stormwater impacts, stormwater treatment facilities, and controls on sources of pollutants. Typical site design measures include reduction of impervious surfaces, grassy swales, detention areas in landscaping, pervious paving, green roofs, roof gardens, and roof downspouts that drain to landscaped areas. All of these measures help to protect water quality by filtering stormwater through plants and soil and allowing stormwater to infiltrate into the ground, thus mimicking the natural hydrology of the undeveloped site.

This awards program recognizes Santa Clara Valley's public agency and private development community leaders who are solving site design challenges, reducing storm water pollution and runoff quantity and meeting the requirements of the municipal stormwater permit.

The 2009 award winners are described below:

Rosenberg Residence Rainwater Cistern, Palo Alto (Winner: Private Project Small Residential)



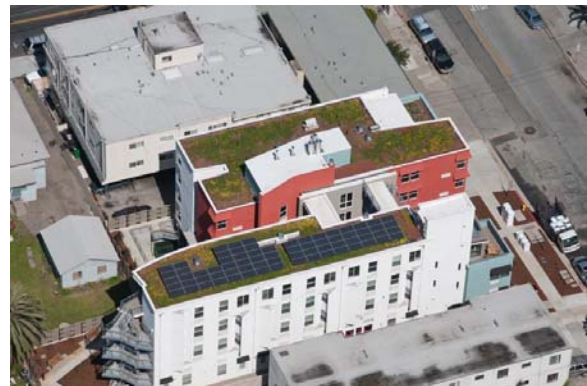
This single-family residential property in Palo Alto installed a 14,000-gallon, underground rainwater cistern that harvests stormwater runoff from



the roof of the residence and site hardscaping for reuse as landscape irrigation water. The cistern is constructed using plastic modular units buried underground within a watertight liner.

None of the storm water runoff reduction/water conservation measures incorporated into the project was required by local ordinances. The homeowner voluntarily installed the rainwater cistern and other water-saving measures for their inherent environmental benefits. The cistern concept could be applied to other residential or commercial projects in the Bay Area.

Casa Feliz Studios, San Jose (Winner: Private Project Large Residential)



Casa Feliz Studios is a 4-story, 25,000 square foot affordable housing complex located on a one-third acre infill site near downtown San Jose. The project features 5,375 square feet of green roof area that can retain 80% of the rain that falls on them. The roofs were landscaped with drought tolerant, native plants that require no irrigation beyond that which was required to establish the plants.

The two largest sections of roof are planted with a mixture of organically grown, annual and perennial grasses and wildflower species designed to attract local wildlife, including the endangered Bay Checkerspot butterfly. Also included in this area is a 16-kilowatt photovoltaic array.



Three lower-level roofs are visible from the building's corridors and some residences and are landscaped with colorful plant and flower species for the enjoyment of the residents. The plants used were organically grown in pesticide-free biotrays made of coconut husks that will eventually biodegrade.

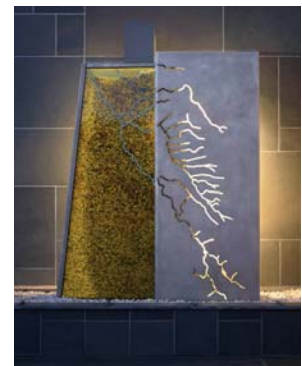
To track the performance of the green roof, First Community Housing, the developer of the project, installed a resource monitoring system that measures rainfall and runoff at the site, enabling the developer to calculate accurately the roof's water retention capacity and demonstrate the reduced burden on the City's storm drain system. The performance data will be used to educate the building industry and policy makers about the benefits of green roofs with the goal of encouraging their wider adoption. The building is anticipated to obtain LEED Gold status.

Roosevelt Community Center, San Jose (Winner: Public Project)



Roosevelt Community Center is a 91,900 square foot facility located adjacent to Coyote Creek in San Jose. Roosevelt Community Center has stormwater best management practices (BMPs) that were designed with the goal of being functional, as well as informing the public on how the City of San José is utilizing stormwater control measures to improve water quality and decrease stormwater runoff.

Coordination with the City Department of Cultural Affairs' Public Art Program led to the design of visible, functional, and aesthetic stormwater treatment devices, such as a thumbprint rock pool filter and vertical rock treatment system. These stormwater treatment devices, along with interpretive exhibits explaining their various features, allow the public to understand how the treatment measures operate. The stormwater BMPs also contributed credits to help the project achieve its anticipated LEED Silver certification.



The site also features pervious paving, a cobbled swale, four vegetated swales and two detention basins that filter runoff from all impervious areas of the site. The combination of stormwater treatment and art at the Roosevelt Community Center is innovative and aesthetically pleasing, and will hopefully serve as an inspiring example to other projects.



Hampton Park, Phase I, San Jose (Honorable Mention: Private Project Large Residential)

Hampton Park is a 98-unit townhouse development on approximately 4.8 acres in San Jose. The project received honorable mention for its large, central recreational area that combines stormwater treatment with the City's requirement for open space. All of the site's impervious areas are treated by landscape-based treatment measures.