



2008 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 2008 award winners are described below:

IDEAs Integrated Design Associates, Inc., San Jose (Winner: Private Project Commercial)



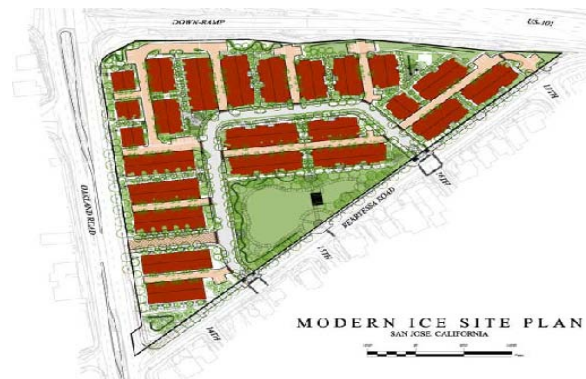
The IdeAS Integrated Design Associates office building on Foxworthy Avenue was converted from a former Bank of America building. The project removed a significant amount of impervious surface to install an attractive stormwater detention basin and pavers set in sand. The site also incorporates a rock garden and drought-tolerant plants to reduce water use.



The IdeAS site is a good model of modifying an existing building and its surrounding impervious surfaces to reduce the environmental impact of the structure. The building now uses less energy than it did before, and the drought-tolerant plants use less water. The concept could be used at many other urban redevelopment sites in the Bay Area. This project has also received a LEED® Platinum Rating and the company was awarded a 2008 Business Environmental Award from Acterra.

Modern Ice, San Jose (Winner: Private Project Residential)

The project consists of the first phase of a 202-unit townhouse project, including a 1.2-acre public park on 9.6 gross acres.



The site design for the project clusters the residential buildings as tightly as possible along Modern Ice Drive in order to allow aggregated open spaces in other areas of the site, while minimizing the total paved area required for vehicle access to the units. The grading was designed to drain run-off from paved surfaces into vegetated swales for treatment. The largest



swales are located along the perimeter of the park, and treat runoff not only from

the roof and paved driveway areas within the project site, but also from the public street frontage. Smaller swales are located in landscaped and open space margins created by the clustering of buildings, towards the rear of the site.



The grading and stormwater control plans developed for the project allow runoff from almost all of the paved driveway, roadway and rooftop impervious surfaces to receive treatment, primarily using landscaped-based treatment controls. Roof runoff is conveyed to landscaped areas via disconnected downspouts, splash blocks and/or pop-up emitters.



The project is very attractive and features a variety of site design measures, many of which could be replicated on other multifamily residential projects.

Fowler Creek Community Park, San Jose (Honorable Mention: Public Project Recreational)

Fowler Creek Community Park consists of a play ground, tot lot, group picnic area with shelter, tennis courts, a bocce court with a synthetic surface, pedestrian bridge, pathways, restroom, parking lot and landscape areas on a 12 acre site on Cortuna Drive in San Jose. Runoff from the parking lot is directed to a vegetated swale via inlet culverts, and pathways drain to landscape areas. Incorporated into the design is a 50-foot setback from Fowler Creek. Native, riparian plants enhance the creek setback area.

Verizon Wireless Maintenance Switch Center, Sunnyvale (Honorable Mention – Private Project Industrial)

The Verizon Wireless Maintenance Switch Center is located on a 46-acre, previously developed site on N. Pastoria Avenue in Santa Clara. The project uses storm water treatment, pollutant source controls and site design measures to limit its impact on water quality.

All rooftop runoff is directed to landscaped areas and is secondarily treated by a biodynamic device. A large vegetated swale and hydrodynamic device treat runoff from 3.5 acres of impervious surface. The site is landscaped with plants chosen to minimize irrigation demand and pesticide and fertilizer use.

SCVWD Water Quality Laboratory, San Jose (Honorable Mention – Public Project Institutional)

The Santa Clara Valley Water District's new Water Quality Laboratory project is located along the westerly bank of the Guadalupe River at 1026 Blossom Hill Road in San Jose.

All runoff from the 2.7-acre laboratory and parking lot site is treated by gravel/sand bed filters, a perforated pipe treatment system and a combined stormwater treatment basin, hydromodification and flood flow peak attenuation basin. First-flush stormwater runoff is directed to a filtration system basin while the remaining runoff is discharged into the detention basin.