



Santa Clara Valley
Urban Runoff
Pollution Prevention Program



C.3. Workshop, June 16, 2015

**Site Design for Protecting
Water Quality –
2015 Award Winning Projects**

**Vishakha Atre
Santa Clara Valley Urban Runoff Program**



Site Design Awards Program

- Recognizes public agency and private development leaders who are solving site design challenges, protecting water quality and meeting or exceeding permit requirements.
- Started in 2006
- Winners - 23
- Honorable Mentions – 6



Site Design Awards Program

- Awards given to completed projects with site design measures that:
 - Reduce runoff rates and volumes
 - Serve as a visual amenity and example of sustainable development
 - Serve as a model for similar projects
 - Easy to maintain
- **Beginning in 2013** - Meet and exceed stormwater permit requirements for LID treatment

Initial Site Design Award Winners

- Projects featured pervious paving, detention areas, vegetated swales



Permeable
Pavers,
Mayfield
Playing Fields,
Palo Alto

Vegetated Swale and
Detention Area
Behind Entrance Sign,
Modern Ice, San Jose



Natural Detention
Area, Willow Glen
Reflections, San Jose

Recent Site Design Winners



**Green Roof at Fourth Street
Apartments, San Jose**



**16,000 gallon, underground
rainwater cistern at
Rosenberg Residence,
Palo Alto**



**Rainwater harvesting,
pervious paving and
bioswales at Graduate
School of Business,
Stanford University**



2015 Award Winners

- **Public Project – Commercial/Industrial**
Environmental Innovation Center, City of San Jose
- **Public Project - Public Facility**
Mitchell Park Library and Community Center, City of Palo Alto
- **Public Project - Creek Restoration**
Stevens Creek Restoration, City of Cupertino
- **Private Project - Honorable Mention**
Flea Market North Village Stormwater Treatment Facility, San Jose (KB Homes)

Environmental Innovation Center, San Jose



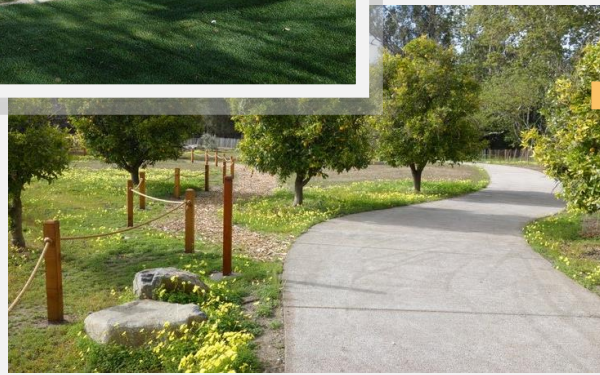
- **Commercial building**
 - HHW Facility
 - Habitat for Humanity Restore
 - Prospect Silicon Valley
- **Multiple Site Design Features**
- **Bioretention areas**
- **Three types of pervious surfaces**
- **Modular wetland treatment system**
- **Rainwater harvesting**

Mitchell Park Library and Community Center, Palo Alto



- More than one-third of building covered with green roofs
- Living green wall
- Rainwater harvesting
- Pervious paving
- Bioswales

Stevens Creek Restoration, Cupertino



- Widened and restored 750 feet of Stevens Creek and 1/4 mile of riparian area
- Reduced impervious paving by 9,000 square feet
- Four bioswales and an infiltration area treat runoff from adjacent golf course and commercial buildings
- Installed extensive plantings, approximately 300 new trees, over 2,000 plants, and over an acre of native habitat

Flea Market North Village Stormwater Treatment Facility, San Jose (KB Homes)



- Stormwater treatment facility consisting of a 1.6-ac detention basin that drains to a 0.5-ac biotreatment cell
- Designed to treat post-construction runoff from future development on adjacent 54-acre Flea Market North Village site
- First regional stormwater treatment facility in Santa Clara Valley

Flea Market North Village Stormwater Treatment Facility, San Jose (KB Homes)



- Aerial view of the Flea Market North Village Area during early construction stages



Congratulations to the Award Winners!

Acknowledgements:

- **2015 Awards Selection Committee:**
 - **Trish Mulvey, CLEAN South Bay**
 - **Eric Anderson, City of Mountain View**
 - **Michael Rhoades, County of Santa Clara**
 - **Kelly Carroll, West Valley Communities**
- **2015 Awards Applicants**