



Santa Clara Valley
Urban Runoff
Pollution Prevention Program



C.3. Workshop, June 9, 2016

**Site Design for Protecting
Water Quality –
2016 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 - 26
- Honorable Mentions – 7



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



Natural Detention
Area, Willow Glen
Reflections, San Jose

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



Recent Site Design Award Winners

- Projects go above and beyond LID requirements



**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**



2016 Award Winners

- **Public Project – Green Street
Hacienda Avenue, City of Campbell**

- **Public Project – Historic Building
(Honorable Mention)
Rinconada Library, City of Palo Alto**

Hacienda Avenue, Campbell



- One mile stretch of Hacienda Avenue converted to a green street

Hacienda Avenue, Campbell



- 63 biotreatment areas
- Addition of bike lane
- ~25% reduction in impervious area
- Covers ~70 private properties

Rinconada Library, Palo Alto



- **Renovation of a historic building**
- **Special consideration taken to not disturb existing site features and preserve existing trees**

Rinconada Library, Palo Alto



- LID treatment using biotreatment areas
- Trench drains around building to carry roof runoff to bioretention areas
- Dual plumbing for future recycled water connection



Congratulations to the Award Winners!

Acknowledgements:

- **2016 Awards Selection Committee:**
 - **Trish Mulvey, CLEAN South Bay**
 - **Eric Anderson, City of Mountain View**
 - **Michael Rhoades, County of Santa Clara**
- **2016 Awards Applicants**