



# SITE DESIGN AND SOURCE CONTROL MEASURES

The following items are measures that can be used to help prevent stormwater pollution.

## SITE DESIGNS AND ACTIONS YOU CAN TAKE TO HELP PREVENT STORMWATER POLLUTION AT YOUR NEW OR REDEVELOPMENT PROJECT

The City of Sunnyvale encourages all new development or redevelopment construction projects to include site design measures that will help reduce the quantity of stormwater running off of the site and into the City's storm drain collection system and promote its re-use on-site for landscape irrigation or other uses.

### SITE DESIGN MEASURES HELP WATER QUALITY

Some of the ways to reduce pollution impacts to stormwater quality from new and redevelopment include:

- Reduce the amount of land disturbance and impervious surface (especially parking areas) at a site. Cluster the placement of structures and pavement, and consider using permeable paving materials.
- Direct roof and hardscape runoff to lawns or landscaped areas where possible.
- Use landscaping as a stormwater drainage and treatment feature.



A Low-Impact Development Disconnected Downspout

- Preserve natural open space and consider including efforts to restore natural landscapes (riparian areas) near creeks or wetlands as project amenities, if appropriate.

## INCLUDE SOURCE CONTROL MEASURES TO LIMIT POLLUTANT GENERATION, DISCHARGE, AND IMPACTS TO STORMWATER RUNOFF

Source control measures may include:

- Stenciling or marking storm drains with messages "No Dumping, Flows to Bay".
- Incorporating designs for landscapes that minimize irrigation needs and water run-off, minimize the need for pesticide and fertilizer use, and incorporate sustainable landscape design and maintenance practices such as those promoted by *Santa Clara Valley Green Gardener* and *Bay Friendly* programs.

### Authority

*Stormwater management is required by the Federal Government through the National Pollutant Discharge Elimination System (NPDES) program. The City of Sunnyvale complies with the NPDES requirement through participation in the Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP).*

### Stencils

*Stencils can be obtained by calling the Public Works, Environmental Outreach Program at (408)730-7717 TDD (408)730-7501 or by e-mail at*

[WPCP@ci.sunnyvale.ca.us](mailto:WPCP@ci.sunnyvale.ca.us)

### Resources

*Santa Clara Valley Urban Runoff Pollution Prevention Program*

[www.scvurppp.org](http://www.scvurppp.org)

*Santa Clara Valley Green Gardener*

[www.mywatershedwatch.org](http://www.mywatershedwatch.org)

*Bay Friendly Landscaping*

[www.stopwaste.org](http://www.stopwaste.org)

- (Visit [www.mywatershedwatch.org](http://www.mywatershedwatch.org) or [www.bayfriendly.org](http://www.bayfriendly.org) for information on these programs.)
- Including roofs or covers for material storage areas, loading docks, repair/ maintenance bays, and fueling areas, as well as for trash (dumpster areas), food waste, or food compactor enclosures.

## **INCLUDE SOURCE CONTROL MEASURES TO REDUCE POLLUTANTS FROM ENTERING THE CITY'S STORMWATER COLLECTION SYSTEM**

With the approval of the city's Sanitary Sewer Pretreatment Program, plumb the following types of discharges to the sanitary sewer:

- Wash water from floor mat, equipment, or hood filter wash racks, or covered outdoor wash racks at restaurants.
- Dumpster drips from covered trash or food compactor enclosures.
- Discharges from outdoor covered wash areas for cleaning vehicles, and equipment.
- Swimming pool, spa, water features or fountain water.
- Fire sprinkler test water.

### **ADDITIONAL RESOURCES:**

- Bay Area Stormwater Management Agencies Association, Resource Library.

[http://www.cleanwaterprogram.org/publications\\_libraryResources.htm](http://www.cleanwaterprogram.org/publications_libraryResources.htm)

- City of Sunnyvale Public Works Department

<http://sunnyvale.ca.gov/Departments/Public Works/>