

WHAT IF PALO ALTO STREETS WERE DESIGNED TO REDUCE STORM RUNOFF AND WATER POLLUTION WHILE ADDING BEAUTY?

In natural landscapes, rain soaks into the soil which slows the speed of runoff and filters pollutants. In urban areas, “impervious” surfaces such as roofs, concrete and asphalt interrupt this natural process. This increases flooding risks and pollution that washes into creeks and San Francisco Bay. “Green storm water infrastructure” mimics nature by slowing, spreading, sinking and filtering runoff. The Municipal Regional Stormwater Permit requires Palo Alto and other Bay Area agencies to develop a Green Storm Water Infrastructure (GSI) Plan by September 30, 2019 and identify locations for GSI implementation.

What Green Storm Water Infrastructure Looks Like.

PERVIOUS concrete, asphalt, and pavers reduce runoff by letting rain percolate into soil below. These surfaces can be used in crosswalks, sidewalks, plazas, driveways, parking spaces and emergency vehicle access lanes.



BIORETENTION PLANTERS

are areas landscaped with native plants and underlain with layers of soil and crushed rock. These planters filter and treat storm runoff that is directed into them.

RAINWATER CISTERN

Cisterns capture rainwater so that it can be used for irrigation.

Rainwater Cistern in Coldwater Canyon Park, Beverly Hills. Photo courtesy of TreePeople.org



GREEN ROOFS are attractive and allow rainwater to soak into vegetation instead of running off the building. Green roofs also reduce heating and cooling costs and reduce heat-island effects.

Green roof installation on Mitchell Park Library, Palo Alto



The City of Palo Alto offers commercial and residential rebates to install pervious surfaces, rain barrels and cisterns and green roofs. Visit cityofpaloalto.org/stormwater or call (650) 329-2295 to learn more.

Individuals with disabilities who require accommodations to access City facilities, services or programs, or who would like information on the City's compliance with the Americans with Disabilities Act (ADA) of 1990, may contact the City's ADA Coordinator at (650) 329-2550 (voice) or email ada@cityofpaloalto.org 11/16
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Palo Alto's Storm Water Management Program Reduces Street Flooding and Protects Creeks.

PREVENTING STREET FLOODING relies on the smart design of City storm drain infrastructure and streetscapes that slow, spread and sink storm water runoff. The health of Palo Alto creeks depends on programs that keep litter, leaf debris, sewer overflows, and construction and industrial pollutants from entering our watershed. Since 2005, Palo Alto's Storm Water Management Program fees have funded seven high-priority storm drain pipeline and pump station capital improvement projects, a precedent-setting green infrastructure project (see reverse side), and more than 100 rebates to property owners for rainwater catchment, permeable driveways, and green roofs.



The San Francisquito Creek Storm Water Pump Station installed in 2009 clears storm water from streets in a 1,250 acre neighborhood in northeastern Palo Alto.



New storm drain pipes were installed along Channing Avenue in 2011 to reduce frequent street flooding along this important vehicle and bike corridor.



Storm Water Management Program fees funded commercial and residential rebate programs for permeable walkways and parking lots, rain barrels, cisterns and green roofs.



Engineered bioretention beds mimic nature by slowing, spreading, sinking and filtering storm water.



School programs, volunteer creek clean-up events and construction and industrial inspection services prevent storm water pollution.

For more information visit cityofpaloalto.org/stormwaterfee or call (650) 329-2295.

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SLOW THE FLOW

Home Improvement Rebates Available for Residents and Businesses.

These home-improvement projects reuse stormwater for irrigation, conserve potable water, and reduce water pollution in our creeks and Bay.

Rain Barrels



Rain barrels are placed at the base of roof downspouts to collect rainwater for landscape irrigation.

\$50 rebate per barrel

Green Roof

Green roofs allow rainwater to soak into vegetation instead of running off the building. They also provide additional building insulation and reduce heating and cooling costs.



Rebate at \$1.50 per square feet*

Cisterns



Cisterns are large tanks that collect rainwater for landscape irrigation. Cisterns can be above or below ground, depending on the site.

Rebate at 15 cents per gallon*

Pervious concrete, asphalt and pavers reduce storm runoff and filter pollutants as rain percolates into soil below.



Rebate at \$1.50 per square feet*


Permeable Pavement

* Maximum residential rebate is \$1,000 and maximum commercial rebate is \$10,000.

Learn more about design tips, eligibility requirements and application forms at www.cityofpaloalto.org/stormwater or call **650-329-2151**.

Funded by your monthly Stormwater Management Fee.



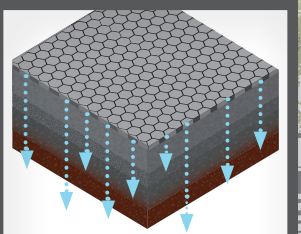
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GREEN STREETS IMPROVE COMMUNITIES

“Green Streets” slow, absorb and filter pollution in stormwater runoff and improve pedestrian and bicycle safety. Learn more about Green Streets and the City’s Green Stormwater Infrastructure Plan at cityofpaloalto.org/GSI or call 650-329-2122.

Stormwater Planters

capture, filter, and slow roof runoff from disconnected downspouts.

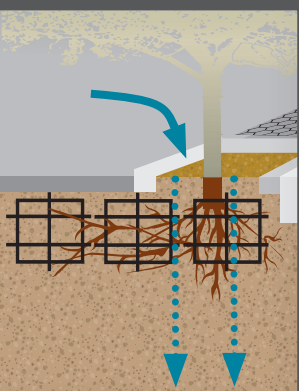


Permeable Pavement

reduces runoff by percolating rain into the soil below.

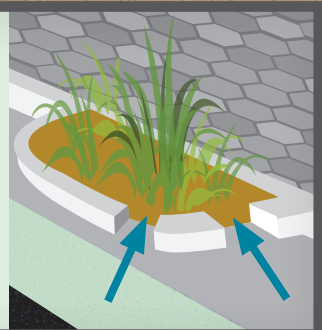
Tree Well Filters

utilize suspended pavement systems so that roots can extend further; this allows trees to grow taller, provide more shade, and absorb more runoff.



Bioretention Areas

filter runoff collected from hardscapes through drought-tolerant plants and well-draining soils. They can also provide traffic-calming features.



Funded by your monthly
Stormwater Management Fee.



CITY OF
**PALO
ALTO**

NOTICE OF PUBLIC MEETING

Santa Clara Basin Stormwater Resource Plan

Meeting Dates & Registration

Tuesday, August 28, 2018
7:00 pm – 8:30 pm

Recreation Center Ballroom
Sunnyvale Community Center
550 E. Remington Drive
Sunnyvale, CA 94088

Click the link below to register

<https://SWRPAug28.eventbrite.com>

Thursday, September 6, 2018
7:00 pm – 8:30 pm

Roosevelt Room
Campbell Community Center
1 W. Campbell Ave.
Campbell, CA 95008

Click the link below to register

<https://SWRPSep6.eventbrite.com>

The Santa Clara Valley Urban Runoff Pollution Prevention Program and the Santa Clara Valley Water District will hold two public meetings to present the Draft Stormwater Resource Plan (SWRP) for the Santa Clara Basin. All interested parties are invited to attend and provide feedback.

The SWRP is a planning document that identifies public lands (i.e., streets, parks, and municipal properties) where stormwater capture projects could potentially be located to provide the most benefit. Stormwater capture projects collect, store, and treat stormwater runoff as well as dry weather flows such as excess irrigation runoff. Potential environmental and community benefits include:

- Providing water for other uses, such as irrigation,
- Recharging groundwater,
- Reducing local flooding, and
- Improving water quality in local creeks.

The Draft SWRP is available for review at http://scvurppp.org/scvurppp_2018/swrp/docs-maps/. Comments are due by September 14, 2018.

Public Meeting Agenda

- Update on the SWRP development process.
- Overview of the process used to identify, evaluate, and prioritize potential local and regional stormwater capture projects.
- Presentation of example conceptual designs for potential project opportunities.

