Project Profile

filterra
Bioretention Systems

PROJECT INFO:

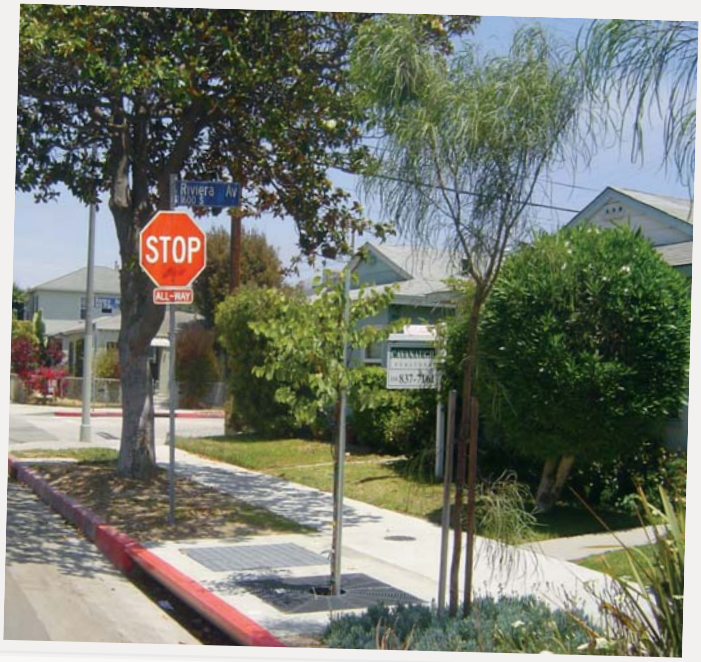
NAME: Grand Boulevard/ Venice, CA

TYPE: Urban Streetscape Retrofit

INSTALLATION DATE: January 2009

SYSTEM CONFIGURATION:

- (7) units various sizes



Several Filterra systems with Bacterra™ media blend helped Marina Del Rey reduce the amount of bacteria entering nearby waterbodies after storm events.

Highlights:

In 2004, Los Angeles voters overwhelmingly passed "Proposition O", which authorized the City of Los Angeles to issue a series of bonds up to $500 million for projects to protect public health by cleaning up pollution in the City's lakes, waterways, beaches and ocean. City of Los Angeles staff particularly targeted the removal of trash, debris and bacteria conveyed in stormwater runoff and dry weather flows. As one of the first projects funded by "Prop O", the Grand Blvd Tree Wells project was selected to demonstrate the viability of capturing various target pollutants conveyed along City streets in the Venice area, a suburb of the Los Angeles. Project Managers at the City of Los Angeles Department of Public Works were tasked with identifying and selecting numerous locations along streets and roadways in Venice where pollutants typically discharge directly into the "Venice Canals" and into the ocean. Upon completing their preliminary investigations, Filterra was selected by the Dept of Public Works for installation at seven locations within Venice along Grand Blvd. The Grand Blvd. Tree Wells project is the first fully funded "Prop. O" project in the City of Los Angeles.

Challenge:

Venice is a local residential neighborhood located next to popular tourist areas and local attractions. Stormwater runoff from neighborhood and tourist areas convey a variety of highly concentrated pollutant discharges from adjacent retail, commercial and residential activities. Bacteria and other pathogen discharges have significantly impaired the health of the aquatic environment in the Venice Canals and impacted the local economy for businesses that support water enthusiast and local tourism. In addition, Grand Boulevard is densely populated and provides limited space and opportunity for large treatment and collection systems for runoff.

Solution:

After reviewing several stormwater treatment options, the City of Los Angeles Dept. of Public Works staff chose Filterra for installation at seven locations along Grand Blvd. streets and roadways where the highest potential concentrations of trash, debris, sediments, metals and bacteria could be captured and treated. Filterra was also chosen due to it's compact design and aesthetic features that local retail business and residences preferred over larger and more intrusive type stormwater systems.

A Growing Idea in Stormwater Filtration.

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Filterra's small footprint made for simple installation along Grand Boulevard in Venice.

Grand Boulevard / Venice, CA

DESIGN DETAILS:

Filterra's small footprint and easy installation made it ideal for this retrofit.

Western Redbud plants were installed in all seven stormwater systems to assist with pollutant removal, match existing landscape and add aesthetics to the streetscape.

Why Filterra:

Filterra is a proven, highly-effective, stormwater treatment system that removes a variety of pollutants of concern.

The engineered media within Filterra allows TSS, Nutrients, Metals, Oil/Grease and Bacteria to be naturally removed while reducing thermal impacts.

Filterra offers a compact "green" solution incorporating local trees and shrubs.

Maintenance is safe, simple and inexpensive.

A standard maintenance agreement is included with every purchase.

Our staff is available to assist you with all of your project requirements.

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