

Project Profile



PROJECT INFO:

NAME: Marina Del Rey / Los Angeles County, CA

TYPE: Urban Streetscape Retrofit

INSTALLATION DATE: December 2006

SYSTEM CONFIGURATION:

- (5) 6.5' x 4' units



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

Highlights:

LA County Department of Public Works was tasked with reducing or preventing a variety of pollutants of concern, including bacteria, from reaching local waterways in the City of Los Angeles.

LA County is currently pilot testing a number of stormwater treatment options, including the use of bioretention devices for meeting Bacteria TMDL requirements imposed by the Los Angeles Regional Water Quality Control Board. Filterra was selected by Los Angeles County to treat runoff at various discharge points to monitor the effectiveness of Filterra in reducing bacteria discharges into adjacent waterways.

Challenge:

The Marina Del Rey harbor area is a popular tourist area and local attraction suffering from a variety of high pollutant discharges from retail, commercial and residential activities. Bacteria and other pathogen discharges significantly impaired the health of the aquatic environment and impacted the local economy. Marina Del Rey is also densely populated, offering limited space for large treatment and collection system runoff.

Solution:

After reviewing several stormwater treatment options, LA County DPW staff chose Filterra for five separate locations along Marina Del Rey streets where the highest potential concentrations of bacteria and pathogens could be captured and treated. Filterra was also chosen due to its compact design and aesthetic features. LA County staff is currently reviewing Filterra performance monitoring results for bacteria reduction and maintenance cost benefits.



Filterra's small footprint made for simple installation on Marina Del Rey streets.



The Filterra systems used the same plant species found in the existing landscape, adding aesthetics to this urban streetscape.

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DESIGN DETAILS:

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

Plants used in Filterra units such as Yedda Hawthorns, Western Redbuds, and Mountain Flax 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.