

Project Profile



PROJECT INFO:

NAME: Paramount Blvd., Lakewood, CA

TYPE: Retrofit

INSTALLATION DATE: March 2009

SYSTEM CONFIGURATION:

- (2) 6x6 units



One of several Filterra Bioretention Systems installations along the Paramount Boulevard corridor.

Highlights:

Stormwater runoff from public roadways is one of the leading contributors of stormwater pollution to our nation's waterways, lakes, streams and oceans, impairing our nation's health, water quality, and natural habitats. Due to the dense, urban environment of the City of Lakewood and the subsequent high volume of traffic along Paramount Boulevard, stormwater pollution is of particular concern to local residents. Tasked with providing a solution to remediate the adverse impacts of polluted stormwater runoff, the Los Angeles County Department of Public Works chose to install several Filterra Bioretention Systems; specifically engineered to capture, remove and reduce a variety of pollutants of concern from entering the storm drain. Pollutants of concern conveyed in runoff include trash, debris, sediment, metals and bacteria.

Challenge:

Due to the existing roadway conditions and highly developed infrastructure along Paramount Blvd., large-scale pollutant capture and treatment control measures could not be applied. Therefore, "Low Impact Development" alternatives had to be explored. Los Angeles County Dept of Public Works was challenged to provide a cost effective, yet natural stormwater treatment solution as described in the Federal Transportation Department's "SAFE-TEA-LU" bill.

Solution:

Under this "Roadway Retrofit" design scenario, Filterra was the natural choice for the project designers. Filterra units require a very small footprint and are inherently well suited for dense urban environments. Based on independent "Third Party" verification, Filterra has proven performance and removal effectiveness for various pollutants such as trash, debris, sediment, petroleum, heavy metals, phosphorus, nitrogen, TSS and bacteria. Once Filterra was chosen by the project designers, Los Angeles Dept of Public Works was able to proceed with completing construction documents and project implementation in a timely manner.



Filterra's small footprint made for simple installation along Paramount Boulevard.

Paramount Boulevard / Lakewood, CA

DESIGN DETAILS:

An extremely dense, ultra-urban environment which inherently dictated a low impact solution to capture and treat stormwater pollution from a large, existing public roadway.

A *Raphiolepis "Majestic Beauty"* was utilized in the Filterra box plantings for this project.

This project was constructed utilizing public financing as provided through the Federal Transportation Department's "SAFE-TEA-LU" bill.

Why Filterra:

Filterra Units are highly optimized for high volume/flow treatment, high pollutant removal, and require a very small area or footprint.

Filterra's filter media captures and immobilizes pollutants which then decompose and are in turn incorporated into the biomass of the Filtration System's micro/macro fauna and flora (trees and shrubs).

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.

