

Project Profile



PROJECT INFO:

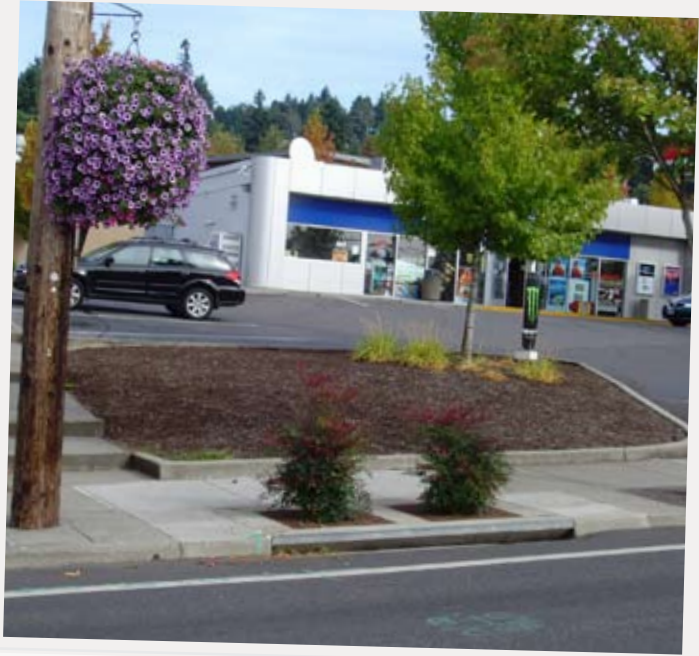
NAME: Capitol Highway / Portland, OR

TYPE: Roadway, Retrofit

INSTALLATION DATE: June 2004

SYSTEM CONFIGURATION:

- (2) 8' x 4' Modified Units



The compact design of Filterra met stormwater quality regulations for this installation along Capitol Highway in Portland, Oregon.

Highlights:

Capitol Highway is a major driving route in Portland, serving local residents as well as retail outlets located at the Hillsdale Shopping Center. Street improvements were planned for various locations along Capitol Highway starting in 2005. Several existing catch basins discharged directly to local creeks and waterways. A solution was needed to capture and treat a variety of stormwater pollutants conveyed from street runoff to these local waterways. Reducing Total Suspended Solids (TSS) was important.

Challenge:

The City of Portland Bureau of Environmental Services (BES) was tasked with identifying appropriate runoff control measures to treat runoff from newly improved roadway locations without impacting existing retail business owners and local residents. In addition, BES was tasked with reducing and preventing major pollutants of concern from entering local waterways, such as TSS, Oil and Grease, Trash, Phosphorus, and Metals.

Solution:

After reviewing several stormwater treatment options, BES staff chose Filterra as the solution to treat street runoff at two locations where significant concentrations of pollutants could be captured and treated. Filterra was also chosen due to its compact design and aesthetic features, preferred over larger, more intrusive stormwater treatment systems. Filterra was able to meet the challenge of a very shallow stormwater system by using modified depth units.



Project Profile



Drop-in-place constructions allows for simple installation in compact locations



The use of plants and decorative tree grates enhances the appearance along the city street.

Capitol Highway / Portland, OR

DESIGN DETAILS:

Two modified 8x4 Filterra units were installed on opposite sides of Capitol Highway. Local plants such as Heavenly Bamboo were installed to complement existing landscaping and accommodate line of sight traffic safety regulations. Decorative tree grates were also used to match existing street tree grates and enhance appearance.

Why Filterra:

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

The engineered media allows TSS, Nutrients, Metals, Oil/ Grease and Bacteria to be removed naturally.

Filterra is a compact "green" solution that adds beauty and value to the urban landscape.

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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