

Project Profile



PROJECT INFO:

NAME: Home Depot/ Williamsburg, VA

TYPE: Commercial, Parking Lot

INSTALLATION DATE: March 2005

SYSTEM CONFIGURATION:

- (4) Standard 6'x6' units



Filterra was installed to meet pollutant removal requirements by the Chesapeake Bays Protection Act, and to maximize space for customer parking.

Highlights:

Filterra found ready acceptance by Home Depot, the worlds largest home-improvement retailer, at their location in Williamsburg, Virginia. This commercial development featured retail parking encompassing about 2 acres. To maximize parking, Home Depot benefited from Filterra's compact design and high pollutant removal efficiency.

Challenge:

The projects location in York County Virginia was within the Chesapeake Bay watershed. Adhering to the stringent pollutant removal requirements of the Chesapeake Bay Protection Act was critical for the client. While achieving high removal efficiencies was important, the client also needed to maximize land use for customer parking.

Solution:

Filterra offered several advantages over competing proprietary BMPs including high pollutant removal rates of Total Phosphorus. The local jurisdiction, York County, allows Filterra 65% removal rate for Total Phosphorus.

More importantly, Filterra could be placed in landscaped traffic islands without loss of any parking spaces allowing for maximum land use.

Plants used within the system added aesthetics while enhancing pollutant removal.



Placing Filterra within traffic islands maximized customer parking and enhanced the landscape.

Home Depot / Williamsburg, VA

DESIGN DETAILS:

Four standard 6'x6' Filterra units were placed in multiple landscaped traffic islands to eliminate loss of parking spaces. Within these islands a flume directs flow to the throat of Filterra in a cross-linear fashion.

Grate inlets accepting bypass flow are located several hundred feet from each Filterra. This design allowed drainage for the entire site and met the Chesapeake Bay's stormwater requirements.

Why Filterra:

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

Offering a compact "green" solution it also adds beauty and value to the urban landscape.

A variety of trees and shrubs can be selected for use in Filterra to compliment local landscape features. They also provide shade and reduce heat.

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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