

Grit Traps for Parking Lot Drain Inlets

Central Automotive Maintenance
County of Henrico Virginia
1 May 2013

Background

- EPA was concerned with unmanaged grit and petroleum products from parked vehicles entering the storm water system.
- CAM has 11 large drop inlets (DIs) in its parking lots for vehicles to be serviced or that have been serviced.
- CAM worked with a vendor to make a custom “basket” for the DI to capture grit and petroleum products.

The Basket

- Ted Mentz, President of Wastewater Diversion Systems, Inc., PO Box 389 Mechanicsville , VA 23111, 804-730-1280, foxwwdsusa@aol.com, worked with CAM to design a basket that addresses this issue.
- It was custom made from 304 stainless steel.

The Basket Cont'd

- Approximate dimensions are 41" L x 10"D x 35" W.
- Basket has small holes on bottom and sides to that will hold dirt but pass water.
- Cost about \$570.
- Pigs were placed into the basket to capture petroleum products as the water flowed through the basket.

The Basket Cont'd



Installation



Installation Cont'd



Installation Cont'd



Installation Cont'd



Installation Cont'd



■ The End

- Charlie Gibbens
- Automotive Fleet Manager
- County of Henrico Virginia



