

**OBJECTIVE:**

Water Quality  
Horizontal Filtration

**Project Description:**

Most areas in Florida require that the water quality volume be treated by filtering the water through a minimum 24" of filter media. Due to the high water table in Florida this site did not have the required depth to accommodate the head needed for vertical filtration.

The solution was to create a horizontal filtration system. The water first enters the detention portion of the StormTrap system and can only exit by passing horizontally through geofabric-covered grates and percolating through the sand on the other side. Perforated pipe collects the water and conveys it to a control structure and ultimately downstream.

**Project Specifications:**

Category: Water Quality - Horizontal filtration

Project Name: CVS Pharmacy

Project Location: Port Charlotte, FL

Project Engineer: Atwell-Hicks

Project Contractor: AEC Services

**Specifications:**

Volume: 12,699 FT<sup>3</sup>

Units: 57 Pieces

System: 4'-0" SingleTrap

Foundation: Concrete Pad

