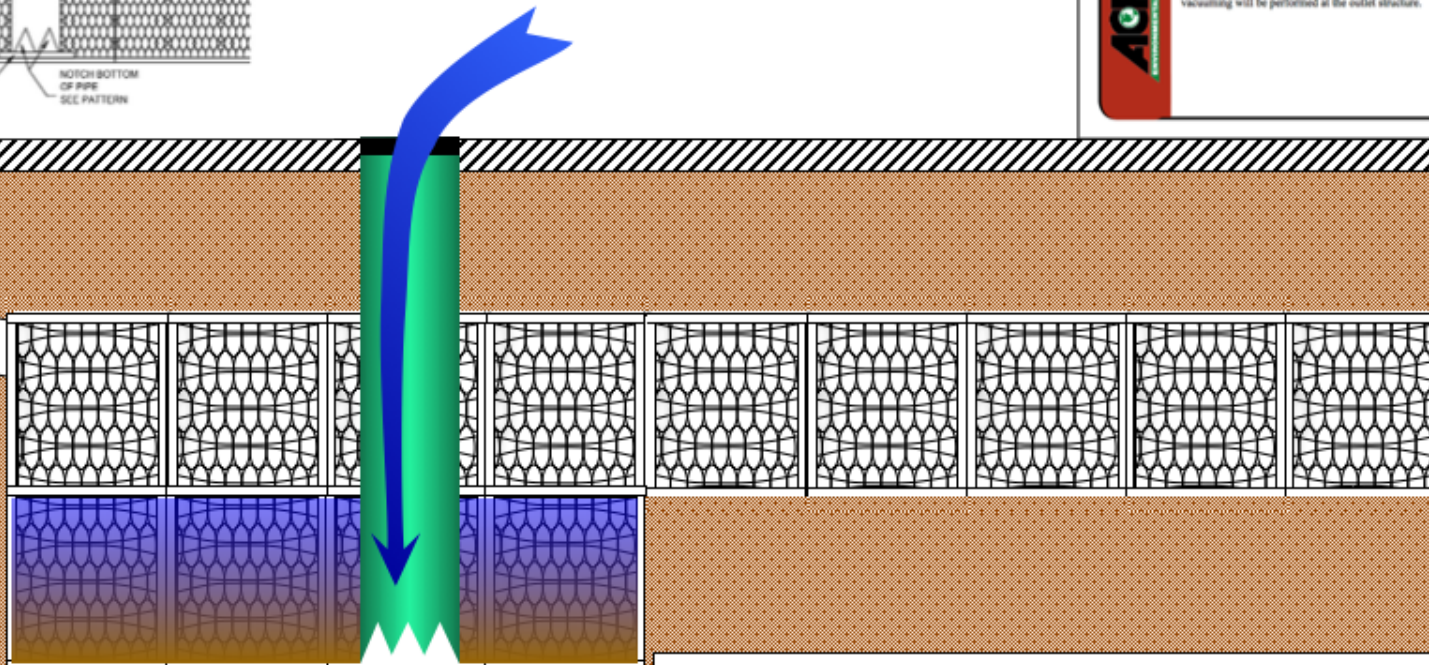
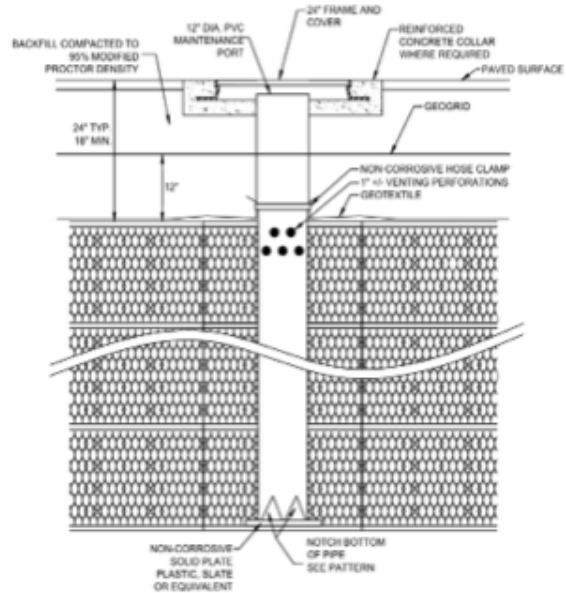


# Maintenance:

Cleanout or flushing of the RTank<sup>HD</sup> is facilitated by an Observation / Maintenance Port



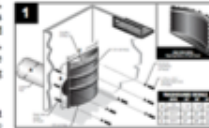
## Forebays:

- Improve Sediment Removal
- Reduce Costs of Maintenance

### ACF R-Tank<sup>HD</sup> Maintenance

## Technical

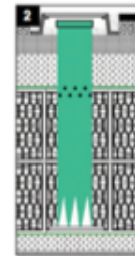
With adequate pre-treatment of stormwater before it enters the ACF R-Tank<sup>HD</sup>, heavy sediments, trash, and other debris will not enter the system. Systems like the TrashGuard (see image 1) are simple and inexpensive, but also highly effective. Therefore, most maintenance efforts should be directed at the pre-treatment structures to ensure they are functioning properly.



To monitor the accumulation of fine sediments that may enter the detention/retention area, ACF R-Tank<sup>HD</sup> systems should include maintenance ports.

#### Maintenance

Running from the bottom of the ACF R-Tank<sup>HD</sup> up to ground level, Maintenance Ports are made from solid PVC Pipe with notches cut into the bottom. As water is pumped into the port the notches will direct water throughout the bottom of the system to create turbulence, thereby re-suspending accumulated sediments.



After pumping water into the tanks, flushing is completed by vacuuming sediment laden water out of the system either through the outlet structure or through the flush port.

The diameter of the flush port is determined by a number of factors including the rate at which water will be pumped into the system, the number of flush ports incorporated, and the possible requirement of vacuuming through the port. Experience has shown that a 12" port is more than adequate for virtually any required use, with 6" ports more common when vacuuming will be performed at the outlet structure.

