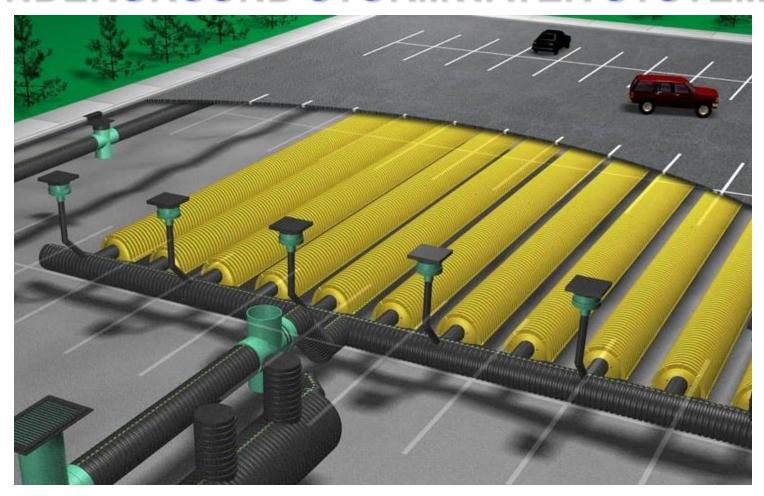
# INSPECTION & MAINTENANCE OF UNDERGROUND STORMWATER SYSTEMS



Greg Spires, PE greg.spires@ads-pipe.com 614.325.0032





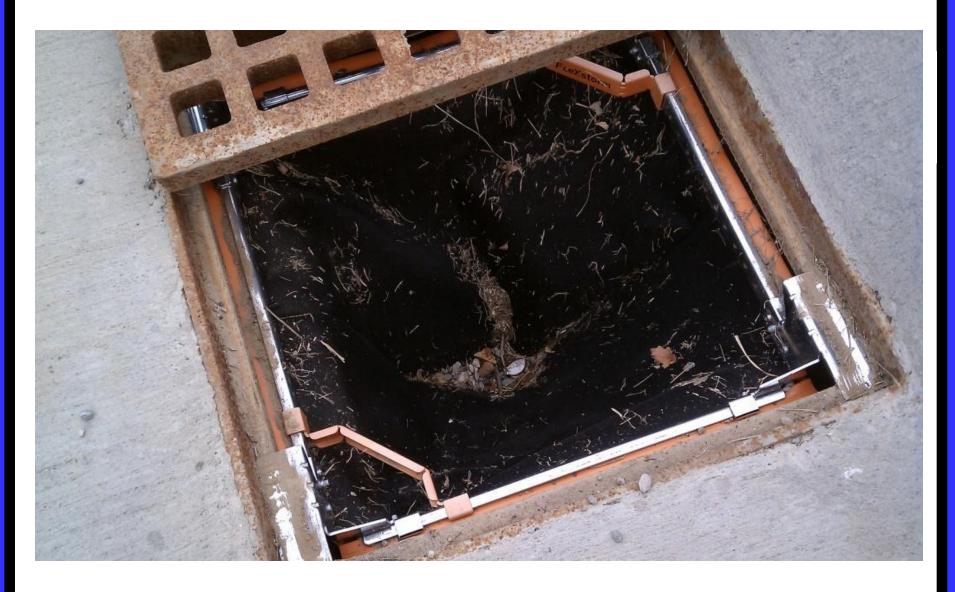






# TYPES OF UNDERGROUND STORMWATER SYSTEMS

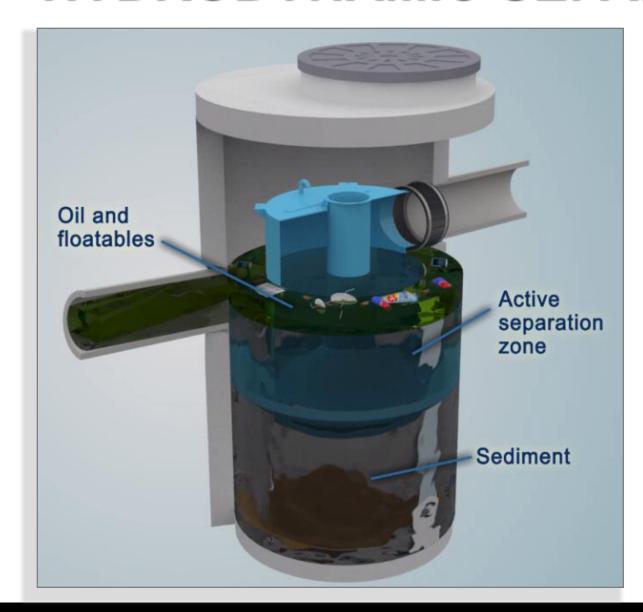




# **CATCH BASIN INSERTS**



# HYDRODYNAMIC SEPARATOR





# **UNDERGROUND DETENTION**

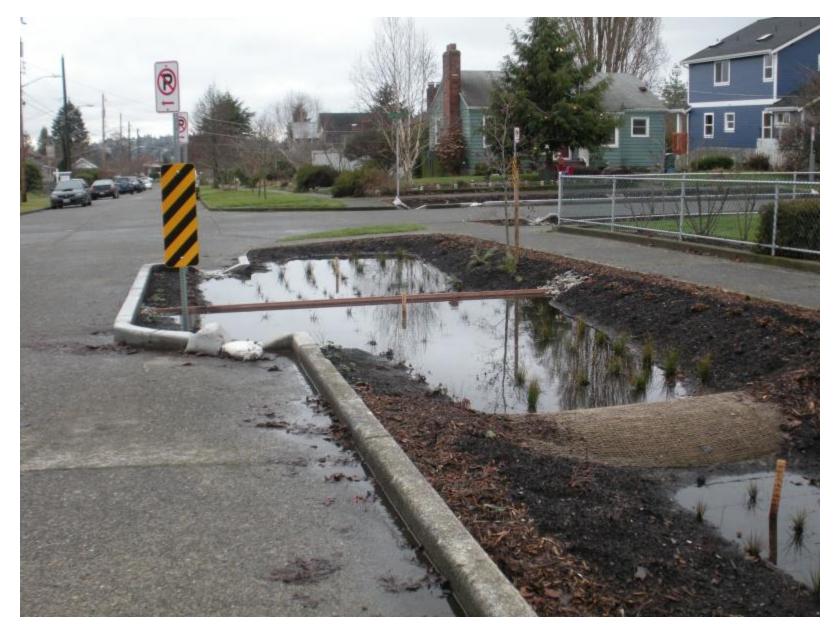


# WHAT TO LOOK FOR



Ponding? Leaves? Sediment? Trash?











#### **Catch Basin Inserts**



# **Separators**



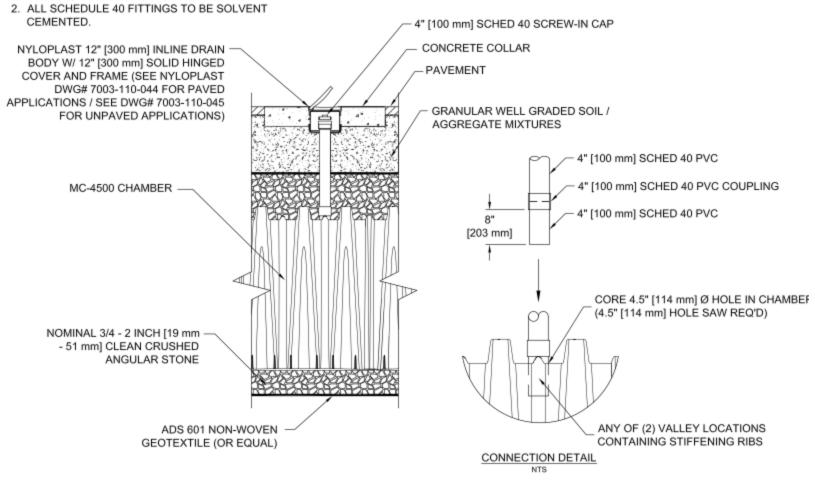






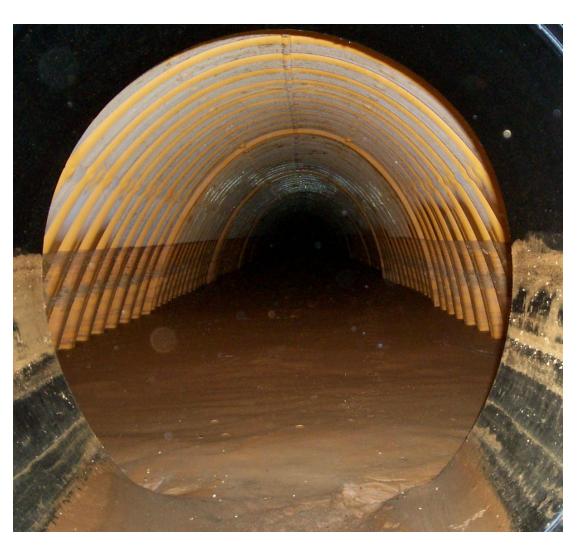
#### NOTES:

INSPECTION PORTS MAY BE CONNECTED
 THROUGH ANY OF (2) CHAMBER CORRUGATION
 VALLEYS CONTAINING A STIFFENING RIB.





**BEFORE** 





# INSPECTION & MAINTENANCE



#### **Catch Basin Inserts**







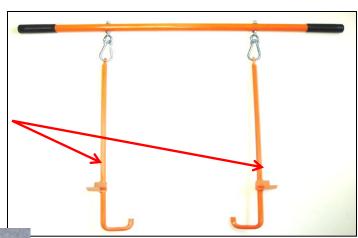






#### **Catch Basin Inserts**

Inlet Filter Hooks







# **Separators**



Close-up of Valve



# **Separators**





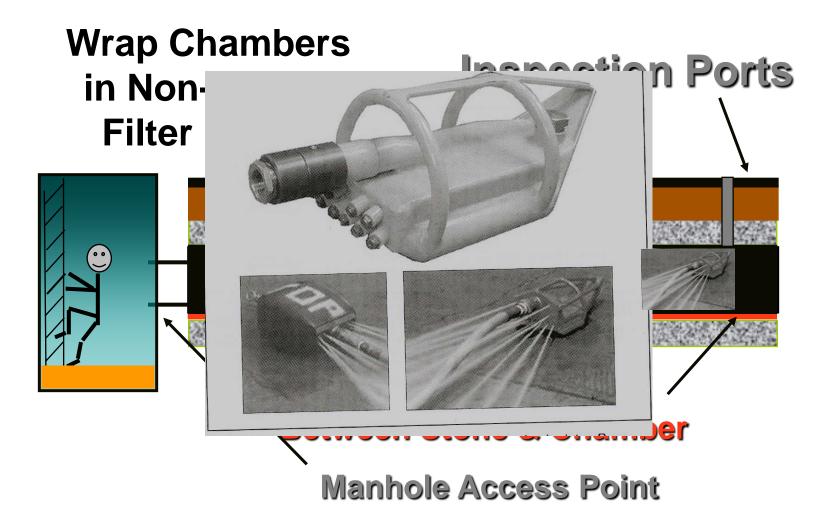






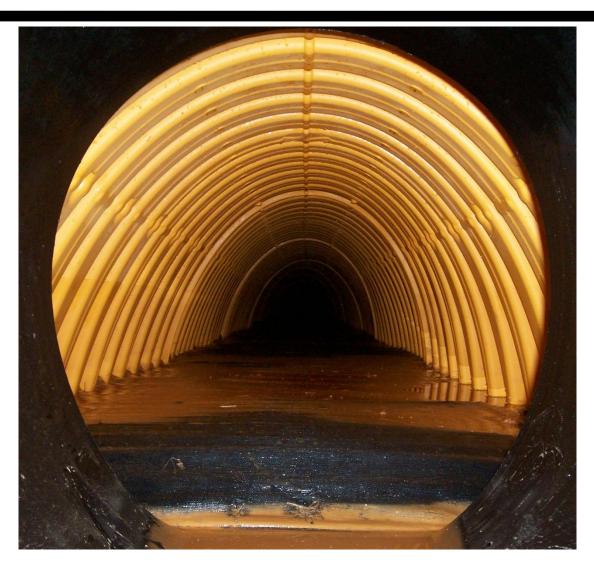
Jet-Vac Operation







**AFTER** 





#### StormTech Isolator Row (not to scale) 1) B) Step 1) Inspect Isolator Row for sedlment A) Inspection ports (if present) Remove IId from floor box frame Remove cap from inspection riser III. Using a flashlight and stadia rod, measure depth of sediment and record results on maintenance log. ly, If sediment is at, or above, 3 inch depth proceed to Step 2, If not proceed to Step 3, B) All Isolator Rows I. Remove cover from manhole at upstream end of Isolator Row II. Using a flashlight, inspect down isolator Row through outlet pipe 1. Mirrors on poles or cameras may be used to avoid a confined space entry 2, Follow OSHA regulations for confined space entry if entering manhole III. If sediment is at or above the lower row of sidewall holes (approximately 3 Inches) proceed to Step 2. If not proceed to Step 3. Step 2) Clean out Isolator Row using the JetVac process A) A fixed culvert cleaning nozzle with rear facing nozzle spread of 45 inches or more is preferable B) Apply multiple passes of JetVac until backflush water is clean C) Vacuum manhole sump as regulred Step 3) Replace all caps, lids and covers, record observations and actions Step 4) Inspect & clean basins and manholes upstream of the StormTech system Additional Notes 1. Inspect every 6 months during the first year of operation. Adjust the inspection Interval based on previous observations of sediment accumulation and high water elevations. 2. Conduct jetting and vactoring only when inspection show that maintenance is

necessary

				4 4	I
	DATE				

Sed ment

Depth

(1) - (2)

0,1 ft

Some pit felt

Observations/Actions

re Installation, Flood point is Cl frame at g

Mucky feet, debris visible in manhole and in

edator row, maltismence due

System jedad and vacuumed

sm

rv

boad pole to top of

6,2

OPERATION AND STORMTECH MAINTENANCE

PLAN VIEW

Sample Maintenance Log

9/24/01

7/07/03 6,3 ft

6,3 ft

OF SHEET

# www.stormtech.com www.hydro-int.com







# **QUESTIONS?**





www.ads-pipe.com

