

# Field Checklist

for

## StormFilter® by Contech

Date of Certification Assessment: \_\_\_\_\_

Assessing and Certifying NCPE: \_\_\_\_\_ Seal:

SCM Facility Name: \_\_\_\_\_

Access Address: \_\_\_\_\_

PIN/s of Parcel/s Where the Facility is Sited: \_\_\_\_\_

## CHECKLIST

### **All items in this checklist must be compliant.**

*If an item is not applicable, write "N/A" next to the item.*

*If the engineer believes the non-compliant item still meets its intended purpose and is therefore acceptable, he/she must include the following in the "Additional Comments" box at the end of this form:*

- *A description of how the non-compliant item deviates from the standards and/or approved construction drawings, and*
- *An explanation of why this deviation is acceptable and how the deviation still meets the intended purpose behind the requirement.*

## **A. Drainage Area**

- The drainage area to the facility is as per the design documents, or if there are deviations from the design drainage area, these deviations do not render the SCM undersized or result in insufficient on-site treatment to meet regulatory requirements.
- The drainage area to the facility is completely stabilized, and no excess sediment is discharging into the StormFilter® vault.

## **B. Easements and Accessibility**

- The SCM access way as constructed matches what is shown on the recorded final plat and is fully contained in the SCM Access and Maintenance Easement.
- The SCM Access and Maintenance Easement is clear of obstructions and traversable by anticipated maintenance equipment.
- Unobstructed maintenance vehicle access has been provided to the StormFilter® and meets the following conditions per field observation and survey spot shot data:
  - It is a minimum of 10 feet wide,
  - It has a maximum centerline grade of fifteen percent (15%) and
  - It has a maximum cross-slope of ten percent (10%).

- Unless it has been surfaced with gravel, asphalt, concrete, etc., in accordance with approved construction drawings, 85% of the SCM Access and Maintenance Easement has achieved a healthy stand of grass.
- Access into the control structure and the StormFilter® vault has been provided in accordance with the construction drawings.

### C. StormFilter® Vault

- A sediment sump with minimum dimensions of 4' diameter by 2' deep has been constructed prior to the vault in accordance with the approved construction drawings.
- A StormFilter® vault of the correct dimensions has been installed in accordance with the approved construction drawings.
- The foundational support for and the backfill around the structure have been placed in accordance with the construction drawings.
- The correct number of StormFilter® cartridges has been installed in accordance with the approved construction drawings.
- The StormFilter® cartridges installed are of the correct height per the approved construction drawings.
- A sealed overflow assembly has been installed in accordance with the approved construction drawings.
- There is no sediment in the StormFilter® vault.
- All piping into and out of the StormFilter® vault is reinforced concrete pipe.
- The diameter of the principal spillway pipe (PSP) is \_\_\_\_\_.
- Based on a visual inspection, it appears that the joints of the pipes into and out of the vault have been acceptably “homed”, and there is no evidence that any joint is leaking.
- A letter from Contech has been provided certifying that:
  - The correct size restrictor disc has been installed in order to achieve the design flow rate of 1 GPM/ft<sup>2</sup> of media surface (restrictor disc is purple for 1 GPM/ft<sup>2</sup>).
  - The correct StormFilter® media has been installed in accordance with the approved construction drawings (white cartridge cap for perlite, blue cartridge cap for PhosphoSorb®).
  - The letter includes the date, and project name and address.
- Any flow splitters or bypass systems have been constructed in accordance with the approved construction drawings.
- The filter has been observed by the certifying engineer on \_\_\_\_\_ [fill in date] to draw down the runoff from the first inch of rainfall (minimum) in a manner consistent with that specified in the approved construction drawings.

### D. Outfall Structure and Outfall Area

- The outfall structure (if not tied into the existing stormwater drainage system) is constructed of reinforced concrete and has been constructed in accordance with the approved construction drawings.
- The outfall piping is constructed of reinforced concrete and has been constructed in accordance with the approved construction drawings.

- The outfall area appears stable, and all accumulated silt and debris has been removed.

Additional Comments by Certifying Engineer: