

# Field Checklist

for

## Vegetated Water Quality Swales

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.
- 85% of the drainage area to the facility is completely stabilized, and no excess sediment is discharging into the facility.

#### **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 swale 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.

### **C. Inlets to Swale**

- All inlets have end treatments in accordance with the construction drawings.
- Riprap stilling basins have been installed at the inlets in accordance with the construction drawings.
- All accumulated sediment and other debris in the stilling basins has been removed.

### **D. Grass Swale**

- The swale length, width, shape, gradient, and side slopes are in accordance with the construction drawings.
- The maximum longitudinal slope is in accordance with the construction drawings and is less than or equal to 5%.
- There are no visible signs of erosion, either in or downstream of the swale.
- All accumulated sediment and other debris in the swale has been removed.
- 85% of the swale vegetation is well established and is of the type specified in the construction drawings.
- The check dams (if any) have been constructed in accordance with the construction drawings.

Additional Comments by Certifying Engineer: