**Infiltration Trench Inspection Checklist**

**[Note: a separate form must be used for each BMP]**

BMP Name and Location: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Deed Book and Page Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Owner’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Owner’s Address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inspection Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inspection Time: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inspector: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inspector Address/Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Inspection Type: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(choose from Final Construction, Maintenance Bond, Annual Compliance, Routine Maintenance, Follow-up, or Other Inspection)

**Compliance Status Information (if applicable)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Notice Issued** | **Notice Date** | **Required Compliance Date** | **Actual Compliance Date** |
| Notice of Violation (NOV) |  |  |  |
| Notice of Violation with Penalty (NOVP) |  |  |  |

**Major inspection/maintenance elements of Infiltration Trenches are:**

* Removal of sediment in pretreatment device; replacement of top several inches of aggregate; complete reconstruction when infiltration rate drops to unacceptable levels.
* Upstream contributing area must be stabilized.
* Inspect for clogging. Drain times exceeding 5 days require repair of system.
* Check observation wells.
* Removal of trees in the vicinity of trench.
* Vegetation in and around basin will be maintained at a height of approximately 6 inches.

**High Priority Corrective Actions** in the Inspection Table below include those actions that have the potential to cause structure failure, functional failure, harm to the public or the environment as determined by a professional engineer or registered landscape architect and should be repaired immediately. Examples of these High Priority items may include (but not limited to):

* Outlet structure bypass, blockage, or failure
* Standing water in observation well after 120 hours following a rain event indicating lack of proper infiltration
* Significant sediment accumulation in forebay or gravel cell that may cause clogging
* Evidence of storm water bypass

| **Infiltration Trench Inspection Checklist** |
| --- |
| **Maintenance Item** | **Corrective Action Required** | **Continue Ongoing Maintenance** | **Recommended Frequency** | **Comments/Actions Required** |
| **High Priority****(0-30days)** | **Priority****(30-45 days)** | **Not Accessible** |
| **1. Debris cleanout** |  |  |  |  |  |  |
| Clear of trash and debris | [ ]  | [ ]  | [ ]  | [ ]  | M |  |
| **2. Vegetation Management** |  |  |  |  |  |  |
| Banks / surrounding areas mowed | [ ]  | [ ]  | [ ]  | [ ]  | M |  |
| Unwanted vegetation present | [ ]  | [ ]  | [ ]  | [ ]  | M |  |
| **3. Erosion** |  |  |  |  |  |  |
| Evidence of soil erosion around contributing areas | [ ]  | [ ]  | [ ]  | [ ]  | M |  |
| **4. Sedimentation** |  |  |  |  |  |  |
| Forebay sediment inspection (cleanout yearly or when 50% full) | [ ]  | [ ]  | [ ]  | [ ]  | M |  |
| Evidence of sediment in trench | [ ]  | [ ]  | [ ]  | [ ]  | M |  |
| **5. Energy Dissipators** |  |  |  |  |  |  |
| Condition of dissipator at inlet | [ ]  | [ ]  | [ ]  | [ ]  | Y |  |
| Conditions of dissipator at outfall | [ ]  | [ ]  | [ ]  | [ ]  | Y |  |
| **6. Surface aggregate** |  |  |  |  |  |  |
| Condition of stone mulch | [ ]  | [ ]  | [ ]  | [ ]  | Y |  |
| **7. Dewatering** |  |  |  |  |  |  |
| Evidence of standing water | [ ]  | [ ]  | [ ]  | [ ]  | M |  |
| Check water level in observation well | [ ]  | [ ]  | [ ]  | [ ]  | M |  |
| **8. Overflow spillway** |  |  |  |  |  |  |
| Condition of spillway | [ ]  | [ ]  | [ ]  | [ ]  | Y |  |
| **9. Overall functionality** |  |  |  |  |  |  |
| Evidence of bypass | [ ]  | [ ]  | [ ]  | [ ]  | M |  |
| **10. Additional Comments** |  |

W=Weekly, M=Monthly, Q=Quarterly, Y=Yearly

**I do hereby certify that I conducted an inspection of the BMP described herein. I further certify that at the time of my inspection said BMP was performing properly and was in compliance with the approved plans and the terms and conditions of the approved maintenance agreement required by the Post-Construction Storm Water Ordinance.**

**Certification:**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Inspector’s Signature Date**

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Professional Engineer’s Signature Date**

**(Professional seal)**

Note: The Post-Construction Storm Water Ordinance requires that inspections be conducted of all BMPs beginning within one (1) year from the date of the approved as-built certification and each year thereafter and that these inspections be completed by a North Carolina Professional Engineer. All inspections must be documented, signed, sealed, and submitted using this form.

The completed inspection form should be emailed to JRappe@Stallingsnc.org or a paper copy submitted to:



Storm Water Administrator

Town of Stallings

315 Stallings Road

Stallings, NC 28104