



**Construction Inspection**

**Checklist:**

**Spec 14: Wet Pond**

**Level 1 \_\_\_\_\_ Level 2 \_\_\_\_\_**

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

Plan Number: \_\_\_\_\_

Address/Location: \_\_\_\_\_

LND Number: \_\_\_\_\_

Phase/Section: \_\_\_\_\_

VSMP Permit #: \_\_\_\_\_

Contractor & Phone#: \_\_\_\_\_

Inspector's Name: \_\_\_\_\_

Certifying Professional & Phone #\*: \_\_\_\_\_

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

**\*Certifying professional must be a licensed Professional Engineer (PE), Landscape Architect (LA), or Land Surveyor (LS) in the state of Virginia.**

The following checklist provides a basic outline of the anticipated items for the construction inspection of Wet Ponds. This checklist does not necessarily distinguish between all the design variations and differences in construction between the families of practices. Inspectors should review the plans carefully and adjust these items and the timing of inspection verification as needed to ensure the intent of the design is met. The standard of design of this practice is based on **Virginia Stormwater BMP Clearinghouse** and **Prince William County Design and Construction Standards Manual (DCSM)**.

All items should be checked when completed. Items labeled "Certification of..." must be crossed off, dated and initialed by certifying inspector.

	<b>1. Pre-Construction Meeting:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Date</b>
1.1	Pre-construction meeting with the contractor designated to install the wet pond and the person completed this checklist has been conducted,				
1.2	Identify the tentative schedule for construction and verify the requirements and schedule for interim inspections and sign-off.				
1.3	All pervious areas of the contributing drainage areas have been adequately stabilized with a thick layer of vegetation.				

	<b>2. Construction of Wet Pond Embankment and Principal Spillway:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Date</b>
2.1	Stormwater has been diverted around the area of the wet pond to a stabilized conveyance and perimeter erosion control measures to protect the facility during construction have been installed.				
2.2	Materials for construction of the embankment and principal spillway are available and meet the specifications of the approved plans.				

2.3	Construction of key trench, principal spillway, including the riser and barrel, anti-seepage controls, outlet protection, etc., is built in accordance with approved plans.				
2.4	Geotechnical analysis and approval of the core (if required) and embankment material has been provided, and the material is placed in lifts and compacted in accordance with approved plans.				
<b>Certification of Embankment and Principal Spillway Installation:</b>					<b>Date</b>
Inspector certifies that each element of the embankment and principal spillway has been constructed in accordance with the approved plans.					

	<b>3. Excavation of Wet Pond:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Date</b>
3.1	Excavation of the wet pond geometry (including bottom width, side slopes, check dams, weir overflow and outlet protection, etc.) achieves the elevations in accordance with approved plans.				
3.2	Excavation of internal micro-topographic features: deep pool, fore bays, etc. is in accordance with the approved plans.				
3.3	Impermeable liner, when required, meets project specifications and is placed in accordance with manufacturer's specifications.				
<b>Certification of Excavation Inspection</b>					<b>Date</b>
Inspector certifies that the excavation has achieved all the appropriate grades, grade transitions, and wet pond geometry as shown on the approved plans.					
<b>Photo required</b> include:					
<ul style="list-style-type: none"> <li>Overall photo showing excavated pond prior to stabilization measures being applied.</li> </ul>					

	<b>4. Landscaping and Plan Stabilization:</b>	<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Date</b>
4.1	Exposed soils on pond side slopes above permanent pool elevation are stabilized with specified seed mixtures, stabilization matting, mulch, etc. in accordance with approved plans.				
4.2	Appropriate number and spacing of plants are installed and protected on the aquatic bench and pond butter in accordance with the approved plans.				

<b>Certification of Landscaping Plan and Stabilization</b>	<b>Date</b>
<p>Inspector certifies that all exposed soils have been stabilized and all required plantings have been planted as shown on the approved plans.</p> <p><b>Photos required</b> include:</p> <ul style="list-style-type: none"> <li>• Overall photo showing stabilization applied to exposed soils;</li> <li>• Overall photo showing plants installed.</li> </ul> <p>Material delivery tickets required include:</p> <ul style="list-style-type: none"> <li>• Approved plants listing number and species.</li> </ul>	

<b>5. Post Construction:</b>		<b>Yes</b>	<b>No</b>	<b>N/A</b>	<b>Date</b>
5.1	All erosion and sediment control practices have been removed.				
5.2	Follow-up inspection and as-built survey/certification has been scheduled.				
5.3	GPS coordinates have been documented for the wet pond installation.				

<b>Certification of Landscaping Plan and Stabilization:</b>	<b>Date</b>
<p>Inspector certifies that each element of the landscaping plan and stabilization has been constructed in accordance with the approved plans.</p> <p><b>Photo required</b> include:</p> <p>Material delivery tickets required include:</p>	

<b>Comments (Clarification, Deviations, etc.)</b>	<b>Date</b>

All items checked above have been inspected by me (or an individual under my responsible charge) and have been completed to my satisfaction and meet the approved plans (or deviations are noted here).

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Certifying Professional's License Number: \_\_\_\_\_  
(Seal)