



Construction Inspection

Checklist:

Spec 15: ED 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 an ED Pond. 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.

	1. Pre-Construction Meeting:	Yes	No	N/A	Date
1.1	Pre-construction meeting with the contractor designated to install the ED pond 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	Subsurface investigation and soils report supports the placement of an ED pond in the proposed location.				
1.4	Impervious cover has been constructed/installed and area is free of construction equipment, vehicles, material storage, etc.				
1.5	All pervious areas of the contributing drainage areas have been adequately stabilized with a thick layer of vegetation and erosion control measure have been removed.				
Certification of Stabilization Inspection					Date
Inspector certifies that the drainage areas of adequately stabilized in order to convert the sediment pond or trap (if used for sediment control) into a permanent ED pond.					

	2. Construction of ED Pond Embankment and Principal Spillway:	Yes	No	N/A	Date
2.1	Stormwater has been diverted around or through the area of the ED pond embankment 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. Photo required.				
2.3	Construction of key trench, principal spillway, including the riser and barrel, anti-seepage controls, outlet protection, etc., is built in accordance with the approved plans. Photo required.				
2.4	Geotechnical analysis and approval of the core (if required) and embankment material has been provided, and the material has been placed in lifts and compacted in accordance with the approved plans.				
Certification of Excavation and Principal Spillway Inspection					Date
Inspector certifies that each element of the embankment and principal spillway has been constructed in accordance with the approved plans.					

	3. Underground Structural Filter:	Yes	No	N/A	Date
3.1	Excavation of the ED pond geometry (including bottom shape and length: width ratio, side slopes, etc.) achieves the elevations in accordance with approved plans.				
3.2	Excavation of internal micro-topographic features: micro-pool outlet, forebays, etc., is accordance with approved plans. Photo required.				
3.3	Impermeable liner, when required, meets project specifications and is placed in accordance with manufacturer's specifications. Photo required.				
Certification of Excavation Inspection					Date
Inspector certifies that the excavation has achieved all the appropriate grades, grade transitions, and ED pond geometry as shown on the approved plans.					

	4. Landscaping Plan and Stabilization:	Yes	No	N/A	Date
4.1	Exposed soils on pond bottom, side slopes, and buffer areas 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 buffer in accordance with the approved plans.				
4.3	All erosion and sediment control practices have been removed.				
4.4	Follow-up inspection and as-built survey/certification has been scheduled.				
4.5	GPS coordinates have been documented for the ED pond installation.				

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)