COUNTY OF PRINCE WILLIAM
DEPARTMENT OF PUBLIC WORKS
Environmental Services Division
5 County Complex Court, Suite 170
Woodbridge, VA 22192-5308
703-792-7070 Fax: (703-792-6297)

Spec 11: Wet Swale Level 1 _____ Level 2 _____

Construction
Inspection Checklist:

Project Name		Plan #
Address / Location		LND #
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 Swale. 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 for design of this practice is based on Virginia Stormwater BMP Clearinghouse and Prince William County Design 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	NA	Date
1.1	Pre-construction meeting with the contractor designated to install the wet swale practice 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 a wet swale practice in the proposed location.				
1.4	Stormwater diverted around the area of the wet swale to a stabilized conveyance and perimeter E&S controls installed.				
1.5	Impervious cover has been constructed/installed and area is free of construction equipment, vehicles, material storage, etc.				
1.6	All pervious areas of the contributing drainage areas have been adequately stabilized with a thick layer of vegetation and erosion control measures have been removed.				
Certification of Stabilization Inspection:					Date
Inspector certifies that the drainage areas are adequately stabilized in order to convert the drainage conveyance feature (if used for sediment control or diversion) into a wet swale.					

	2. Excavation of Wet Swale	Yes	No	NA	Date
2.1	Stormwater has been diverted around the area of the wet swale to a stabilized conveyance and perimeter erosion control measures to protect the facility during construction have been installed.				
2.2	Materials (wetland soils and plants, erosion control materials such as stone, soil stabilization matting, etc.) are available.				
2.3	Construction of the wet swale geometry (including bottom width, side slopes, check dams, weir overflow and outlet protection, etc) in accordance with approved plans. **Photo required**.				
2.4	Excavation of internal micro-topographic features: earthen check dams, tree check dams, forebays, etc., in accordance with approved plans. Photo required.				
2.5	Installation of pretreatment, including forebays, gravel diaphragms, energy dissipaters, etc., is in accordance with the approved plans. **Photo required.**				
2.6	Impermeable liner, when required, meets project specifications and is placed in accordance with manufacturers specifications.				
2.7	Placement of wetland soils and amendments in accordance with approved plans.				

Certification of Excavation Inspection:	Date
Inspector certifies that the excavation has achieved all the appropriate grades, grade transitions, and wet swale geometry as shown on the approved plans.	

	3. Wetland and Plantings Stabilization	Yes	No	NA	Date
3.1	Exposed soils on swale bottom and side slopes are stabilized with seed mixtures, stabilization matting, mulch, etc., in accordance with approved plans. **Photo required.**				
3.2	External bypass structure is built in accordance with the approved plans. **Photo required.**				
3.3	Appropriate number and spacing of plants are installed and protected in accordance with the approved plans. **Photo required**.				
3.4	All erosion and sediment control practices have been removed.				
3.5	Follow-up inspection and as-built survey/certification has been scheduled.				
3.6	GPS coordinates have been documented for all wet swale installations on the parcel.				

All items checked above have been inspected by me (or by 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): _____