

3rd Party Construction Inspection Checklist and Certification: Wet Swale

DEQ Spec. No. 11 & PFM 6-1316

Project Name: _____ Construction Firm: _____

Co. Plan Number: _____ 3rd Party Inspection Firm: _____

Site Address: _____ 3rd Party Inspector's Name: _____

Latitude / Longitude: _____°N _____°W Contact Info / Phone Number: _____

BMP ID Number as shown on plan and general location on the site: _____

- A certification is required for all SWM/BMP facilities under PFM 6-1300 et. seq.
- A Virginia licensed professional engineer or licensed professional meeting the exemption requirements of the Code of Virginia §54.1-401 must sign the certification at the end of this checklist.

Instructions:

- Check each item as complete, or write in "N/A" for those items that are not applicable.
- Fill in blanks for requested information on dimensions, materials, etc.
- Provide one or more photos for applicable items; checkboxes indicate items that *require* photos.

Pre-Installation Meeting and Site Preparation

CHECK	PHOTO	DESCRIPTION	DATE OF INSPECTION / COMMENTS
<input type="checkbox"/>		Pre-Installation Meeting with - contractor designated to install the facility - 3rd party inspector (or designee) A review of checklist and tentative schedule for interim inspections and sign-offs has been discussed	
<input type="checkbox"/>		Upstream impervious cover constructed/installed, and area free of equipment and material storage	
<input type="checkbox"/>		Upstream pervious areas stabilized with thick vegetation.	
<input type="checkbox"/>	<input type="checkbox"/>	Stormwater diverted around the area of the wet swale to a stabilized conveyance and perimeter E&S controls installed.	

Excavation

CHECK	PHOTO	DESCRIPTION	DATE OF INSPECTION / COMMENTS
<input type="checkbox"/>		Horizontal location of BMP is in accordance with the approved plans.	
<input type="checkbox"/>	<input type="checkbox"/>	Construction of required wet swale geometry per approved plans. Bottom Width (4'-8') _____ Side Slopes (3:1 or flatter) Circle: Yes No	
<input type="checkbox"/>	<input type="checkbox"/>	Installation of internal micro-topographic features, e.g., check dams, forebays, etc. are per approved plans.	
<input type="checkbox"/>	<input type="checkbox"/>	Pretreatment measure (grass filter strip, gravel/stone diaphragm, flow spreader, etc.) installed per approved plans.	
<input type="checkbox"/>		Swale slopes are per approved plans (Level 1 < 2%, Level 2 < 1%). Slope _____%	
<input type="checkbox"/>		Maximum temporary ponding depth at the most downstream point of any single wet swale cell does not exceed 18".	
<input type="checkbox"/>		Impermeable liner (when required) is placed in accordance with manufacturer specs & approved plans.	
<input type="checkbox"/>		Placement of wetland soils and amendments is per approved plans.	

Final Stabilization and Plant Installation

CHECK	PHOTO	DESCRIPTION	DATE OF INSPECTION / COMMENTS
<input type="checkbox"/>	<input type="checkbox"/>	Plant installation conforms to approved plans.	
<input type="checkbox"/>	<input type="checkbox"/>	Exposed soils on swale bottom and side slopes are adequately stabilized (with seed mixtures, stabilization matting, mulch, etc.) per approved plans.	
<input type="checkbox"/>	<input type="checkbox"/>	External bypass structure is built per approved plans.	
<input type="checkbox"/>	<input type="checkbox"/>	Provide a photo of the BMP facility after completion of construction.	

Final Certification

I do hereby certify that this as-built information for the stormwater management/BMP facility was inspected by me (or by an individual under my responsible charge) and conforms to the approved plans, except as indicated.

Signature: _____

Date: _____

License Number (Seal): _____

("Certify" means to state or declare a professional opinion based on sufficient and appropriate onsite inspections and material tests conducted during construction)