

3rd Party Construction Inspection Checklist and Certification: Permeable Pavement DEQ Spec. No. 7 & PFM 6-1304

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) - assigned County site inspector A review of checklist and tentative schedule for interim inspections and sign-offs has been discussed	
<input type="checkbox"/>		Contributing drainage areas are stabilized and not eroding.	
<input type="checkbox"/>	<input type="checkbox"/>	Stormwater runoff is diverted around the excavation area to a stabilized conveyance.	

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"/>		Subgrade surface free of rocks, roots, and large voids. (Voids may be filled with base aggregate.)	
<input type="checkbox"/>		For level 2 permeable pavement: Excavation bottom is scarified.	
<input type="checkbox"/>		No groundwater seepage or standing water is present. Any standing water is dewatered to an acceptable dewatering device, and the design consultant has been notified.	
<input type="checkbox"/>	<input type="checkbox"/>	Excavation of facility has achieved proper elevations and grade per approved plans.	

Filter Layer and Underdrain Placement

CHECK	PHOTO	DESCRIPTION	DATE OF INSPECTION / COMMENTS
<input type="checkbox"/>		All aggregates (stone, sand, etc., as required) are clean, washed, and conform to specifications.	
<input type="checkbox"/>	<input type="checkbox"/>	Perforated underdrain size and spacing per approved plans. Pipe Diameter _____ Inches Material _____ Pipe Spacing _____ ft. Slope _____ % Perforation Size/Spacing _____ ft.	
<input type="checkbox"/>		Filter layer and initial reservoir layer aggregates spread (not dumped) to avoid aggregate segregation per approved plans. Depth of filter layer _____ ft.	
<input type="checkbox"/>	<input type="checkbox"/>	Impermeable liner (when required) is placed in accordance with manufacturer specifications, per approved plans.	
<input type="checkbox"/>		Underdrain, observation well(s), and underdrain fittings (45° wyes, cap at upstream end, etc.) installed per approved plans. Number of Observation Wells _____	

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Stone Reservoir Aggregate Placement

CHECK	PHOTO	DESCRIPTION	DATE OF INSPECTION / COMMENTS
<input type="checkbox"/>		Sides covered with geotextile with no tears, holes, or excessive wrinkles.	
<input type="checkbox"/>	<input type="checkbox"/>	Stone reservoir layer aggregate placement, compaction, and thickness, are per approved plans. Depth of reservoir layer aggregate _____ Inches	

Bedding Layer and Pavement Installation

CHECK	PHOTO	DESCRIPTION	DATE OF INSPECTION / COMMENTS
<input type="checkbox"/>	<input type="checkbox"/>	Pre-treatment structures (when required) are installed per approved plans. Type of pretreatment _____	
<input type="checkbox"/>		Concentrated flow is not being discharged directly onto the permeable pavement.	
<input type="checkbox"/>		Pavement surface is even and runoff spreads evenly across surface.	
<input type="checkbox"/>		Flow reduction orifice or cap placed on the end of the pavement underdrain per approved plans.	
<input type="checkbox"/>	<input type="checkbox"/>	Permeable pavement block systems which require edge restraints are installed flush with the paver blocks per approved plans. Size of Edge Restraints _____ Type of Edge Restraints _____	
<input type="checkbox"/>		Aggregate layer for the installation of the underdrain system is per approved plans. Depth of aggregate layer _____ ft. Size of aggregate layer _____	
<input type="checkbox"/>		Signs installed per PFM 6-1304.3B	
<input type="checkbox"/>		For porous asphalt and pervious concrete pavement, the full permeability of paved surface has been properly tested (clean water applied at a min. rate of 5 gpm over the entire surface), and all water infiltrated directly without puddle formation or surface runoff.	
<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)