



COUNTY OF PRINCE WILLIAM  
DEPARTMENT OF PUBLIC WORKS  
Environmental Services Division  
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Woodbridge, VA 22192-5308  
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Spec 8: Infiltration      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 infiltration facilities. 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 labelled "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 between the contractor designated to install the infiltration practice and the person completing this checklist has been conducted.				
1.2	All pervious areas of the contributing drainage areas have been adequately stabilized with a thick layer of vegetation.				
1.3	Stormwater has been diverted around the area of the infiltration practice and perimeter erosion				

	control measures to protect the facility during construction have been installed.				
1.4	Area of infiltration practice has not been impacted during construction.				

	2. Excavation:	Yes	No	NA	Date
2.1	Area of infiltration excavation is marked and the size and location conforms to plan.				
2.2	Subgrade surface is free of rocks and roots, and large voids. Any voids should be refilled with the base aggregate to create a level surface for the placement of aggregates and underdrain (if required).				
2.3	No groundwater seepage or standing water is present. Any standing water is dewatered to an acceptable dewatering device.				
2.4	Excavation of the infiltration practice has achieved proper grades and the required geometry for the subsurface infiltration trench or the surface infiltration basin without compaction at the bottom of the excavation.				
2.5	Bottom of facility is completely level (0% slope). A 1% slope is allowed if underdrain is being utilized.				
2.6	Sides of excavation covered with geotextile; no tears or holes, or excessive wrinkles are present.				
2.7	Bottom of trench has been scarified.				
<b>Certification of Excavation Inspection:</b> Inspector certifies the successful completion of the excavation steps listed above.  <b>Photo required</b> to include: <ul style="list-style-type: none"> <li>Excavated area prior to installation of sand/stone, including measurements (L*W*D);</li> <li>Non-woven geotextile fabric installed on sides of excavated subgrade only.</li> <li>Scarified bottom</li> </ul> Material delivery tickets required to include: <ul style="list-style-type: none"> <li>Geotextile installed on sides</li> </ul>					Date  

	3. Filter Layer, Underdrain, and Stone Reservoir Placement:	Yes	No	NA	Date
3.1	Material Verification: All aggregates, including, as required, the filter layer, the stone layer or top pea gravel layer conform to specifications as certified by quarry.				
3.2	Six-inch filter layer of sand placed on the trench bottom.				
3.3	Placement of underdrain (if required) and observation well placed are in accordance with the approved plans.				
3.4	Remaining stone aggregate (#1 stone) placed (not dumped) in 6-inch lifts.				
<b>Certification of Filter Layer, Underdrain, and Stone Reservoir Layer Inspection:</b> Inspector certifies the successful completion of the steps listed above. Photos and material delivery tickets for these items are attached.					Date  

<p><b>Photo required</b> include:</p> <ul style="list-style-type: none"> <li>• Depth of sand;</li> <li>• Perforated underdrain pipe (if applicable);</li> <li>• Depth of #1 stone;</li> <li>• Observation well.</li> </ul> <p>Material delivery tickets required include:</p> <ul style="list-style-type: none"> <li>• Sand;</li> <li>• #1 stone.</li> </ul>	
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	4. Top Surface and Pretreatment Inspection:	Yes	No	NA	Date
4.1	Top surface of infiltration practice in accordance with approved plan: <ul style="list-style-type: none"> <li>- 3 inch layer of pea gravel or river stone</li> <li>- Topsoil and sod over pea gravel layer (if applicable)</li> </ul>				
4.2	Placement of energy dissipaters and pretreatment practices are installed in accordance with the approved plan.				
<b>Certification of Top Surface and Pretreatment Inspection:</b> Inspector certifies the successful completion of the steps listed above. Photos and material delivery tickets for these items are attached.  <b>Photo required</b> include: <ul style="list-style-type: none"> <li>• Depth of pea gravel;</li> <li>• Location of inflow and appropriate energy dissipation;</li> <li>• Any pretreatment measures required per the approved plan;</li> <li>• Completed facility with turf cover (if applicable) and pop-up emitter on top of observation well</li> </ul> Material delivery tickets required include: <ul style="list-style-type: none"> <li>• Pea gravel</li> </ul>					<b>Date</b>  

	5. Post Construction:	Yes	No	NA	Date
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 all infiltration practices on the parcel.				

Comments (Clarification, Deviations, etc.)	Date

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): \_\_\_\_\_