



WASHINGTON COUNTY
LAND DEVELOPMENT ENGINEERING

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**NOTICE OF REQUIRED STORMWATER MANAGEMENT INSPECTIONS
SAND FILTERS, BIORETENTION AND RAIN GARDEN FACILITIES**

The following inspections are required to be performed by the Qualified Professional for the construction of any Sand Filter, Bioretention or Rain Garden Facility. Additional inspections may be needed based on professional engineering judgment. Each inspection is required at the start of each stage.

1. **EXCAVATION OF FACILITY** – Prior to excavation, verify sediment and erosion control features are in place to prevent sediment inflow. Verify all flagging required in the area for sensitive area protection. Verify grading is accurately staked-out and re-staked as needed. Facility dimensions shall be verified and soils checked for infiltration. Verify contributing area is permanently stabilized. Verify that water is not present. Ensure roughening of side walls if sheared and sealed by heavy equipment. Verify that compaction of facility base is minimized.
2. **PLACEMENT OF FILTER CLOTH (Trenches)** – Ensure filter fabric is overlapping six (6) inches between strips of cloth. Ensure tree roots or other obstacles are removed from facility walls or sides and base to prevent tearing. Verify that uphill fabric roll overlaps two (2) feet over downhill roll.
3. **PLACEMENT OF SAND FILTER LAYER OR GRAVEL DIAPHRAGM** - Verify depth and width of sand and/or diaphragm layer. Verify fill material.
4. **PLACEMENT OF FILTERING MEDIA** – Verify bottom layer material and thickness. Verify sand and/or filter media layer material and thickness. Verify filter fabric or pea gravel used between sand layers. Verify top filter media layer.
5. **PLACEMENT OF UNDERDRAINS AND OBSERVATION WELLS** – Location, size and material of under drain and observation wells shall be verified prior to stone placement. Verify pipe ends capped. Verify 3” gravel cover.
6. **STABILIZATION AND LANDSCAPING** - Verify site top soiled, seeded and mulched. Verify embankment top soiled and seeded. Verify location, size, type and number of planted landscape material. Verify no more than 1/8

inch root ball exposed. Verify planting stock kept moist during on-site storage. Verify installation location, size, material type of fencing or other safety barriers.

The Qualified Professional may request the presence of a County Construction Standards Inspector at least 24 hours in advance by calling 240-313-2400.