DINWIDDIE COUNTY

PLANNING, ZONING, CODE COMPLIANCE AND ENVIRONMENTAL

FILTERING PRACTICES

Construction Inspection Checklist

Project Name: _____ Date: _____

PRE-CONSTRUCTION MEETING:

	YES	NO	N/A
Pre-construction meeting with the contractor designated to install the filtering practice has been conducted.			
Subsurface investigation and soils report supports the placement of a surface or an underground filtering practice in the proposed location.			
Impervious cover has been constructed/installed and area is free of construction equipment, vehicles, material storage), etc.			
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.			
Stormwater has been diverted around the area of the filtering practice and perimeter erosion control measures to protect the facility during construction have been installed.			

SURFACE FILTER:

	YES	NO	N/A
Excavation of the filtering practice has achieved proper grades and the required geometry for the filter media placement.			
No groundwater seepage or standing water is present. Any standing water is dewatered to an acceptable dewatering device.			
Installation of the impermeable liner (if required). Liner meets project specifications and is placed in accordance with manufacturers specifications.			
All aggregates, including the reservoir layer around the underdrain, the choker stone layer, and the filter media (sand) conform to specifications as certified by quarry.			
Underdrain size and perforations meet the specifications.			

SURFACE FILTER:

	YES	NO	N/A
Placement of the underdrain, observation wells, and underdrain fittings (45 degree wyes, cap at upstream end, etc.) are in accordance with the approved plans.			
Certification of Excavation and Placement of Liner and Underdrains: Inspector certifies the successful completion of the previous steps for a surface filter.			
Placement of the stone aggregate, spread (not dumped) around the underdrain, and placement of the layer of the choker stone in accordance with the approved plans.			
Placement of the sand filter media in one-foot lifts.			
Verify proper depth of filter media			
Verify surface treatment (vegetation, pea gravel, etc., in accordance with the approved plans.			

UNDERGROUND STRUCTURAL FILTER:

	YES	NO	N/A
Excavation of the filtering practice has achieved proper grades and the required geometry for the underground structural housing – typically a vault or container made of concrete of other approved material.			
No groundwater seepage or standing water is present. Any standing water is dewatered to an acceptable dewatering device.			
Installation of fabric (if needed) and gravel bedding.			
Placement of the structural housing and verification of internal and external plumbing invert elevations.			
Certification of Water-Tightness Test Inspection: Inspector certifies the successful completion of the water-tightness test completed and signed off by contractor or vault supplier.			
Installation of perforated pipes and other piping as required, and filter media to the required depth.			
Connection of inlet and outlet pipes to the site drainage system.			

ALL FILTERS:

	YES	NO	N/A
Certification of Opening of Stormwater Inflow to the Filter Inspection: Inspector certifies that the contributing drainage areas are stabilized and erosion and sediment control practices have been removed.			
Follow-up inspection and as-built survey/certification has been scheduled.			
GPS coordinates have been documented for all filtering practices on the parcel.			

Inspector Name:_____ Date:_____

Signature:_____