

# DINWIDDIE COUNTY

ENVIRONMENTAL DEPARTMENT

## EXHIBIT C

### ***RETENTION / DETENTION CERTIFICATION FORM***

**INFORMATION:**

Name of Site/Subd.: \_\_\_\_\_

Company Certifying: \_\_\_\_\_ Phone: \_\_\_\_\_

Name of Engineer/Surveyor Inspecting: \_\_\_\_\_ Inspection Date: \_\_\_\_\_

Date Facility Became Operational: \_\_\_\_\_ Total post-development acreage drained to BMP: \_\_\_\_\_

Geographic Coordinates of SWM/BMP: Latitude: \_\_\_\_\_ Longitude: \_\_\_\_\_

What SWM/BMP outfalls into: \_\_\_\_\_

The referenced **SWM/BMP** facility was field verified for compliance with the approved plans as follows:

<b>Basin Type:</b>	Retention	Detention
	Level 1	Level 2

**GENERAL:**

	YES	NO
Is the facility located on the site according to the approved plans with respect to distances from right-of-way, curb lines, parking areas, sidewalks, structures, etc.?		
Is the facility in need of maintenance (ie. clogged inlets/outlets, accumulation or sediment/trash/debris, etc.)?		
Is there evidence of geotechnical failure, structural problems, or poor construction methods (slope failure, concrete failure, poorly compacted dam, poorly grouted or separating pipes)? If yes, explain:  _____		
Are barriers (ie. guardrails, bollards, fencing) provided in accordance with the approved plans?		
Is the embankment greater than 3 feet? If yes, provide a geotechnical certification stating that construction compaction requirements have been achieved.		

**BASIN:**

	<b>DESIGN</b>	<b>FIELD</b>
Bottom Lowest Elevation		
Bottom Surface Area at Lowest Elevation.		
Top Uppermost Continuous Contour.		
Top Surface Area at Uppermost Continuous Contour.		
Side Slopes Above Aquatic Bench		
Side Slopes Below Aquatic Bench		

**MARSH INFO:**

	<b>DESIGN</b>	<b>FIELD</b>
High Marsh Depth		
High Marsh Volume		
Low Marsh Depth		
Low Marsh Volume		

**DAM:**

	<b>DESIGN</b>	<b>FIELD</b>
Elevation of Top		
Width of Top		
Back Slope		

**EMERGENCY SPILLWAY:**

	<b>DESIGN</b>	<b>FIELD</b>
Elevation		
Length		

**AQUATIC BENCH:**

	<b>DESIGN</b>	<b>FIELD</b>
Width		
Lowest Elevation		
Highest Elevation		

**INLET STRUCTURES:**

	<b>DESIGN</b>	<b>FIELD</b>
<b>Structure #:</b>		
Material		
Size		
Invert Discharge into Basin		
<b>Structure #:</b>		
Material		
Size		
Invert Discharge into Basin		
<b>Structure #:</b>		
Material		
Size		
Invert Discharge into Basin		
<b>Structure #:</b>		
Material		
Size		
Invert Discharge into Basin		

**OUTLET PIPE BARREL:**

	<b>DESIGN</b>	<b>FIELD</b>
Invert In Elevation		
Invert Out Elevation		
Length		
Size		
Material		

**RISER CREST:**

	<b>DESIGN</b>	<b>FIELD</b>
Elevation		
Size		
Material		

**WEIR:**

	<b>DESIGN</b>	<b>FIELD</b>
Elevation		
Dimensions		
Material		

**ORIFICES:**

	<b>DESIGN</b>	<b>FIELD</b>
Number of Orifices		
Size (diameter or length/width)		
Lowest Elevation		

Wire Mesh/Stone:    YES    NO

**ANTIVORTEX/TRASH RACK:**

	<b>DESIGN</b>	<b>FIELD</b>
Elevation		
Size		
Material		

**FORBAYS:**

	<b>DESIGN</b>	<b>FIELD</b>
Material		
Top Elevation		
Bottom Elevation		

**WATER QUALITY / QUANTITY**

	<b>DESIGN</b>	<b>FIELD</b>
Water Quality Volume		
Water Quality Elevation		
Water Quantity Volume		
Water Quantity Elevation		

**All geotechnical/structural aspects of the dam are in accordance with standard engineering and construction practices and are consistent with the approved plans with respect to/as applicable (yes or n/a).**

	YES	N/A
Water tight connection between riser and pipe barrel		
Anti-seep collars		
% compaction		
clay core		
seepage drains		
o-ring pipe		

Pursuant to 9VAC25-870-55, I hereby certify that to the best of my knowledge and belief the stormwater management facilities show on the record drawings have been constructed in accordance with the approved plans and specifications.

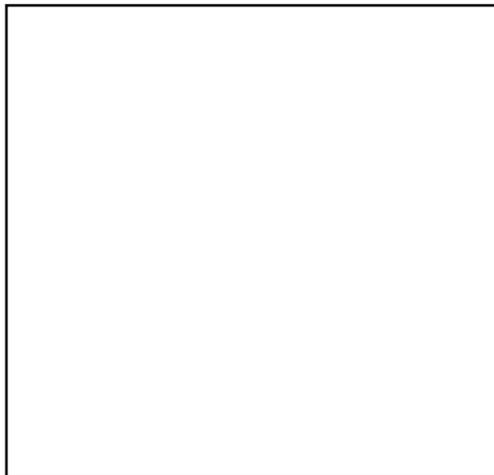
Name: \_\_\_\_\_

Signature: \_\_\_\_\_

Va. License: \_\_\_\_\_

Date: \_\_\_\_\_

*Certify means to state or declare a professional opinion based on sufficient and appropriate onsite inspections, material tests, as-built survey data, and information provided by other professionals and the contractor, conducted during or after construction.*



**Additional Comments (if needed):**

\_\_\_\_\_  
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*\* Licensed Engineer/Surveyor  
Signed Stamp*

**, 'Gpi lpggt IUwt xg{ or inspecting the SWM/BMP must be the one stamping the form.  
Must be submitted with original signature in blue/black ink.**