

Project Name \_\_\_\_\_ Permit # SW8 \_\_\_\_\_

## AS-BUILT DESIGNER'S CERTIFICATION FOR SAND FILTER PROJECT

I hereby state that I am a licensed professional and I certify by my signature and seal below, that I have observed the construction of the project named above to the best of my abilities with all due care and diligence, and that the project meets all of the MDC found in 15A NCAC 02H.1056, in accordance with the permit documents, plans and specifications on file with or provided to the Division, except as noted on the "AS-BUILT" drawings, such that the intent of the stormwater rules and the general statutes has been preserved.

- Check here if this is a partial certification. Section/phase/SCM # \_\_\_\_\_
- Check here if this is part of a Fast-Track As-Built Package Submittal per 15A NCAC 02H .1044(3).
- Check here if the Designer did not observe the construction but is certifying the project.
- Check here if pictures of the SCM are provided.

Printed Name \_\_\_\_\_ Signature \_\_\_\_\_

NC Registration Number \_\_\_\_\_ Date \_\_\_\_\_

SEAL:

Consultant's Mailing Address:  
 \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone: (\_\_\_\_) \_\_\_\_\_  
 Consultant's Email address:  
 \_\_\_\_\_

① Circle N if the as-built value differs from the Plan/permit. If N is circled, provide an explanation on page 2.  
 ② N/E = Not Evaluated (provide explanation on page 2). ③ N/A = Not Applicable to this project or SCM.  
 This Certification must be completed in conjunction with the General MDC certification under 15A NCAC 02H.1050.

Consultant's Certification (MDC 15A NCAC 02H.1056)			
Two-chamber system	① As-built	② N/E	③ N/A
1. The Sand Filter includes a Sediment chamber and a Sand chamber.	Y or N		
2. The storage volume in each chamber is equivalent.	Y or N		
3. The incoming stormwater is evenly distributed across the surface of the sand.	Y or N		

Volume / Elevations	①As-built	②N/E	③N/A
1. The volume of water stored in the sediment chamber and on top of the sand in the sand chamber is at least 0.75 times the treatment volume.	Y or N		
2. The elevation of the bypass device is set at or above the ponding depth associated with the storage volume.	Y or N		
3. The ponding depth above the sand surface is six feet or less.	Y or N		
Sand Media / Drawdown / SHWT	①As-built	②N/E	③N/A
1. The sand media meets ASTM C33 or equivalent.	Y or N		
2. The depth of the sand media is consistent with the approved plans and specs and is a minimum of 18".	Y or N		
3. The depth of the sand media over the underdrain is consistent with the approved plans and specs and is a minimum of 12 inches.	Y or N		
4. The sand media provides a minimum drawdown of two inches per hour at the sand surface.	Y or N		
5. Open-bottom design – the minimum separation to the SHWT at the lowest point of the sand filter is consistent with the approved plans and specs and is a minimum of 2 feet.	Y or N		
6. Closed -bottom design – The minimum separation to the SHWT at the lowest point of the sand filter is consistent with the approved plans and is a minimum of 1 foot.	Y or N		
7. At least one capped clean-out pipe has been provided at the low point of each underdrain.	Y or N		

**Provide an explanation below for every MDC that was not met, and for every item marked "N/A" or "N/E." Attach additional pages as needed.**

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