Concord NORTH CAROLINA STORMWATER SERVICES

Sand Filter As-Built Checklist

Project: _____ Date: _____

	Description	Design	As-Built
1	Sand Filter Type (Open/Underground)		
2	Percent Impervious		
3	Drainage Area		
4	Water Quality Volume		
a	Adjusted Water Quality Volume		
5	Sediment Chamber Specifications:		
a	Bottom elevation		
b	Depth		
c	Surface area (ft^2)		
d	Volume (ft^3) available		
6	Sand Filter Chamber Specifications:		
a	Elevation at top of filter media		
b	Depth of filter media layers (sand/stone)		
c	Filter bed area		
d	Volume (ft^3) available		
e	Type & size of filter media (sand/stone)		
7	Percent of water quality volume stored in sediment chamber & facility		
8	Underdrain System Specifications:		
a	Size & type of perforated pipe		
b	Number of branch lines		
c	Invert elevation of underdrain		
d	Invert elevation of outflow pipe at outlet		
9	Elevation of bypass weir (if applicable)		
10	Dissipator pad length & width		
11	If underground, elevation of top of vault ceiling		
12	If open, All embankments stabilized with non-clumping turf grass (Y/N)		
13	Does the SCM safely pass the 100 yr/24 hr storm event? (Y/N)		
14	Is SHWT separation provided? (Y/N)		
15	Is sand filter meeting 2 in/hr drawdown? (Y/N)		
16	Is uniform positive drainage provided to prevent ponding? (Y/N)		
17	Maintenance schedule provided? (Y/N)		
18	Engineer's certification on as-builts (Y/N)		
19	Maintenance agreement Intake Form submitted to City Attorney (Y/N)		

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20	Maintenance easement metes & bounds & plat submitted to City Attorney (Y/N)		
21	Marked up as-built drawing included (Y/N)		

ENGINEER'S CERTIFICATION OF
STORMWATER CONTROL COMPLETION

I certify that, persuant to generally accepted engineering standards in the community, it is my professional opinion that the stormwater control(s) labeled as _____ has been completed in conformance with the plans and specifications approved on _____, has its full design volume available, and is functioning as designed and complies with the requirements of 15A NCAC 2H.1000.

P.E. SEAL:

SIGNATURE:_____ DATE:_____