

## Bioretention As-Built Checklist

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

	<u>Description</u>	<u>Design</u>		<u>As-Built</u>	
1	Percent Impervious				
2	Drainage Area				
3	Water Quality Volume				
4	Bioretention Surface Area (ft <sup>2</sup> )				
5	Elevations of the following:				
a	Bottom of planting soil				
b	Top of planting soil				
c	Top of mulch layer				
d	Inlet of overflow / bypass structure				
6	Ponding depth WQv and Peak Attenuation				
7	Runoff volume captured (ft <sup>3</sup> )				
8	Underdrain System Specifications:				
a	Size & type of perforated pipe				
b	Number of branch lines & spacing width				
c	Invert elevation of underdrain				
d	Invert elevation of outflow pipe at outlet				
9	Planting Soil (attach soil test report):				
a	Planting soil depth				
b	Percentage clay				
c	Percentage sand				
d	Percentage organic material				
e	Percentage silt				
f	Soil pH				
10	Planting Specifications (include planting plan):				
a	Planting density (plants/acre)				
b	Number and type of trees				
c	Number and type of shrubs				
d	Number and type of herbaceous species				
e	If grass, sod type				
11	Is SWHT separation provided? (Y/N)				
12	Is bioretention cell meeting 1 in/hr drawdown? (Y/N)				
13	Maintenance schedule provided? (Y/N)				
14	Engineer's certification on as-builts (Y/N)				

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15	Maintenance agreement Intake Form submitted to City Attorney (Y/N)		
16	Maintenance easement metes & bounds & plat submitted to City Attorney (Y/N)		
17	Marked up as-built drawing included (Y/N)		

### ENGINEER'S CERTIFICATION OF STORMWATER CONTROL COMPLETION

I certify that, pursuant 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: \_\_\_\_\_