



Stormwater Control Measure (SCM) As-Built Supplement

BIORETENTION CELL

For each SCM, an As-Built Supplement must be submitted with the required SCM As-Built drawing(s) and SCM construction photographs. Each line item must be completed accurately (with related notes as necessary) in order to receive final Town approval for the SCM.

PROJECT INFORMATION

Project Name: _____

Phase (if applicable): _____ As-built date: _____

SCM Location: _____

PROFESSIONAL ENGINEER CERTIFICATION

Certifying PE: _____ Cert. #: _____

E-mail: _____ Phone #: _____

PE Signature: _____ SEAL: _____

As a duly registered PE in the State of North Carolina, I do hereby certify that the required SCM for this project has been constructed in accordance with approved construction drawings. This statement is based on review of the As-Built drawings, completion of this supplement, and having made periodic inspections during construction of the SCM.

CODE KEY		
C = Complete	NC = Not Complete	N/A = Not Applicable
<i>For any item marked "NC" or "N/A," please explain why in the Notes section on Page 3.</i>		

DESIGN/AS-BUILT INFORMATION

General

An AutoCAD file of the SCM as-built drawing has been uploaded to IDT as part of this As-Built submittal.

Photographs of all phases of SCM construction have been included with this As-Built submittal.

All unnecessary erosion control measures have been removed from the SCM area.

The SCM is located within a recorded SCM Maintenance & Access easement which ties to a public ROW and no portion of the SCM encroaches into any public easement.

All retaining walls subject to permitting have been approved by Town of Apex Building Inspections.

O&M agreements have been executed and E-recorded with Town of Apex Development Services.

C	NC	N/A

Book #: _____ Page #: _____

Treatment Area

Accumulated sediment and debris in the treatment area has been removed.

Side slopes have been graded to 3:1 (or in accordance with approved construction drawings) and permanent groundcover (sod) has been established.

All required plantings have been established in accordance with approved construction drawings.

The lowest point of the cell is at least 2' above the SHWT.

An underdrain with IWS has been installed in accordance with approved construction drawings and pipe slopes and clean-out inverts are clearly labeled on the as-built drawing.

C	NC	N/A

Surface area of cell	Required:		Design:		As-Built:	
Water quality volume	Required:		Design:		As-Built:	
Ponding depth (water quality)	Required:		Design:		As-Built:	
Ponding depth (peak attenuation)	Required:		Design:		As-Built:	
Invert elevation of IWS	Required:		Design:		As-Built:	
Elevation of top of IWS zone	Required:		Design:		As-Built:	
Elevation of emergency spillway	Required:		Design:		As-Built:	
<i>Complete if cell is grassed</i>	Sod origination (City, State)					
	Type of sod (must be non-clumping)					
<i>Complete if cell is mulched</i>	Type and depth of mulch					

Media Mix (check all boxes that apply)

<input type="checkbox"/>	Confirm 1 inch / hour infiltration is being achieved Method of confirmation: _____
<input type="checkbox"/>	Media mix confirmed by certified lab (include analysis report with this submittal)
<input type="checkbox"/>	Mix is 75 - 85% medium to coarse washed sand, 8-10% fines, and 5-10% organic matter
<input type="checkbox"/>	Cell media was not mechanically compacted during construction
<input type="checkbox"/>	36-inch media depth (mulched cells with trees and shrubs)
<input type="checkbox"/>	30-inch media depth (grassed cells)

Riser Structure

C	NC	N/A

A trash rack has been provided and is appropriately bolted to the riser structure.

Top of riser elevation	Required:		Design:		As-Built:	
Slope of riser outlet pipe	Required:		Design:		As-Built:	

Outfall Area

C	NC	N/A

Rip rap outlet protection has been provided in accordance with approved construction drawings.

The outfall area is stable and all accumulated sediment, trash, and debris has been removed.

NOTES

DISCLAIMER

Please note that if As-Built information deviates significantly from design information, Town staff reserves the right to require a new stormwater analysis. The stormwater analysis must be based on As-Built conditions and must confirm that the stormwater requirements outlined in UDO Section 6.1 are being met.