



**PLAN VIEW**  
NOT TO SCALE

**BIORETENTION AREA SIZING COMPUTATION**

<u>DEVELOPMENT</u>	<u>AREA (SQ. FT.)</u>	<u>"C" FACTOR</u>	<u>C x AREA</u>
PAVEMENT	23,800	0.90	21,400
GRASS	10,100	0.25	2,500
TOTALS	33,000		23,900

**BIORETENTION AREA SIZE**

- WITH SAND BED (5% SUM OF C x AREA)  
= .05 x 23,900 = 1,195 OR SAY 1,200 SQ. FT.
- WITHOUT SAND BED (7% SUM OF C x AREA)  
= .07 x 23,900 = 1,673 OR SAY 1,700 SQ. FT.

**NOTES:**

- Note that in any discrepancy between the NCDENR and Town of Clayton requirements, the more stringent of the requirements apply.



**TOWN of CLAYTON**

USE WITH THE TOWN of CLAYTON STANDARD SPECIFICATIONS ONLY

**SIZING OF A BIORETENTION AREA**

SCALE: Not To Scale	DETAIL # 2 641.01
REVISION DATE: July, 2010	SHEET #: 1 of 1