



<u>IMPERVIOUS SQUARE FOOTAGE (SF)</u>	<u>RAIN GARDEN SIZE (SF)</u> ASSUMES 6" PONDING DEPTH
<= 100	16
GREATER THAN 100 AND <= 200	33
GREATER THAN 200 AND <=400	67
GREATER THAN 400 AND <=600	100
GREATER THAN 600 AND <=800	133
GREATER THAN 800 AND <=1000	167

INSTALLATION NOTES:

1. AMENDED SOIL SHALL BE COMPOSED OF 50% OF THE EXISTING SOIL (THE SOIL REMOVED TO CREATE THE HOLE) PLUS 40% COARSE WASHED SAND AND COMPOST OR ORGANIC MATTER FOR THE LAST 10%.
2. A SIMPLE INFILTRATION TEST SHALL BE PERFORMED TO ENSURE THE RAIN GARDEN WILL DRAIN. DIG A HOLE 1 FOOT DEEP. FILL IT WITH WATER. IF IT DOES NOT DRAIN WITHIN 36 HOURS, A RAIN GARDEN CANNOT BE USED.
3. CHOOSE PLANTS FROM A RAIN GARDEN PLANT LIST. SEE THIS LINK FOR IDEAS FOR PLANTS AND LAYOUTS: <https://forsyth.ces.ncsu.edu/wp-content/uploads/2016/03/RGmanual2015.pdf?pwd=no>
4. AS AN ALTERNATE TO THE ABOVE TABLE, THE PONDING AREA SHALL BE SIZED BASED ON THIS FORMULA: $(0.0833 \text{ FT} \times \text{IMPERVIOUS AREA SF}) / 0.5 \text{ FT}$

CITY OF RALEIGH STANDARD DETAIL		
<i>REVISIONS</i>	<i>DATE: 9/2024</i>	<i>NOT TO SCALE</i>
	RESIDENTIAL RAIN GARDEN FOR LOT GRADING PLAN	
	SW-40.01	