



<u>IMPERVIOUS SQUARE FOOTAGE (SF)</u>	<u>SURFACE INFILTRATION PIT SIZE (LENGTH X WIDTH X DEPTH IN FT)</u>
<= 100	3.5 X 3.5 X 2.5
GREATER THAN 100 AND <= 200	4 X 4 X 3.5
GREATER THAN 200 AND <=400	6 X 6 X 3.5
GREATER THAN 400 AND <=600	9 X 5 X 4
GREATER THAN 600 AND <=800	9 X 7 X 4
GREATER THAN 800 AND <=1000	9 X 9 X 4

INSTALLATION NOTES:

1. PER NC RULES ABOUT INJECTION WELLS, ONE SURFACE DIMENSION TO BE GREATER THAN THE DEPTH OF THE PIT.
2. PER NC RULES ABOUT INJECTION WELLS, DOWNSPOUTS MUST DISCHARGE TO THE SURFACE AND NOT BE PIPED INTO THE STONE WITHIN THE PIT.
3. AS AN ALTERNATIVE TO THE ABOVE TABLE, THE SIZE OF THE INFILTRATION PIT CAN BE DETERMINED WITH THIS FORMULA:
 MINIMUM VOLUME (CUBIC FEET) = 0.3 X IMPERVIOUS AREA (SQUARE FEET)

CITY OF RALEIGH STANDARD DETAIL		
REVISIONS	DATE: 9/2024	NOT TO SCALE
		RESIDENTIAL SURFACE INFILTRATION PIT FOR LOT GRADING PLAN
		SW-40.02