

BOREHOLE INFILTRATION TESTING

Project Name: Rock River Subdivision
Site: Someplace, Vermont
Date: 9/1/2015
Percolation Test By: Jimmy James, ST #0000
Calculation By: Jimmy James, ST #0000

Infiltration Test No.: I-2

Existing elevation:	57.5
Proposed practice area elev.	57
Thickness of filter bed	0
Proposed bottom of practice =	57
Test/Bottom of borehole elev =	53 (4 ft below bottom of practice)

Borehole Characteristics: 6" diameter, 24-inch solid casing

Presoak Borehole for 24-hrs.	Presoak Start Time:	<u>7/12/2017</u>	<u>7:00 AM</u>
	Presoak End Time:	<u>7/13/2017</u>	<u>7:15 AM</u>

Cycle No.	Start Time	End Time	Rate
	H M S	H M S	(in/hr)
		Measured drop from top of casing (inches)	
1	7 30 0	8 40 0	9.50
2	8 45 56	9 50 11	9.00
3	10 2 30	11 10 22	9.25
4	11 20 13	12 25 45	8.75
		Average Infiltration Rate =	<u>8.18</u>
		Design Infiltration Rate =	4.09 (Factor of safety of 2)