

BOREHOLE INFILTRATION TESTING

Project Name: Rock River Subdivision
Site: Someplace, Vermont
Date: 7/1/2017
Percolation Test By: Jimmy James, ST #0000
Calculation By: Jimmy James, ST #0000

Infiltration Test No.: I-7

Existing elevation:	52	
Proposed practice area elev.	50	
Thickness of filter bed	0	
Proposed bottom of practice =	50	
Test/Bottom of borehole elev =	48	(2 ft below bottom of practice)

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

Presoak Borehole for 24-hrs.	Presoak Start Time:	<u>7/1/2017</u>	<u>8:30 AM</u>
	Presoak End Time:	<u>7/2/2017</u>	<u>8:45 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	8 50 0	9 55 0	9.50
2	10 56 56	12 0 11	9.00
3	12 2 30	13 10 22	9.25
4	14 20 13	15 25 45	8.75
		Average Infiltration Rate =	<u>8.37</u>
		Design Infiltration Rate =	4.19 (Factor of safety of 2)