

BOREHOLE INFILTRATION TESTING

Project Name: Rock River Subdivision
Site: Someplace, Vermont
Date: 8/23/2015
Percolation Test By: Jimmy James, ST #0000
Calculation By: Jimmy James, ST #0000

Infiltration Test No.: I-3

Existing elevation:	53.5
Proposed practice area elev.	52
Thickness of filter bed	1.5
Proposed bottom of practice =	50.5
Test/Bottom of borehole elev =	48.5 (2 ft below bottom of practice)

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

Presoak Borehole for 24-hrs.	Presoak Start Time:	<u>8/23/2015</u>	<u>8:00 AM</u>
	Presoak End Time:	<u>8/24/2015</u>	<u>8:15 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	8 30 0	9 35 3	8.50
2	9 45 56	10 47 0	8.00
3	10 50 30	11 52 0	8.00
4	11 55 23	12 57 45	7.80
		Average Infiltration Rate =	<u>7.75</u>
		Design Infiltration Rate =	3.88 (Factor of safety of 2)