

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-1

Existing elevation:	60	
Proposed practice area elev.	60	
Thickness of filter bed	2	
Proposed bottom of practice =		58
Test/Bottom of borehole elev =		56 (2 ft below bottom of practice)

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

Presoak Borehole for 24-hrs.	Presoak Start Time:	<u>9/1/2015 7:00 AM</u>
	Presoak End Time:	<u>9/2/2015 7:15 AM</u>

Cycle No.	Start Time	End Time	Rate
	H M S	H M S Measured drop from top of casing (inches)	(in/hr)
1	8 30 0	9 31 0 8.50	8.36
2	9 35 5	10 40 55 9.00	8.20
3	10 45 2	11 46 22 8.50	8.32
4	11 50 48	12 55 45 8.75	8.08
		Average Infiltration Rate =	<u>8.24</u>
		Design Infiltration Rate =	4.12 (Factor of safety of 2)