

BOREHOLE INFILTRATION TESTING

Project Name: Intensive Development High Density Residential
Site: Someplace, Vermont
Date: 8/31/2016
Percolation Test By: Jimmy James, ST #0000
Calculation By: Jimmy James, ST #0000

Infiltration Test No.: I-5

Existing elevation:	82	
Proposed practice area elev.	82	
Thickness of filter bed	2	
Proposed bottom of practice =		80
Test/Bottom of borehole elev =		79 (1 ft below bottom of practice)

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

Presoak Borehole for 24-hrs.	Presoak Start Time:	<u>8/31/2016</u>	<u>7:00 AM</u>
	Presoak End Time:	<u>9/1/2016</u>	<u>8:00 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	5	0	9	10	0	2.31
2	9	15	1	10	17	2	2.23
3	10	20	6	11	22	5	2.32
4	11	25	48	12	32	2	2.36
							<hr/> Average Infiltration Rate = 2.30
							Design Infiltration Rate = 1.15 (Factor of safety of 2)