

Infiltration Test No.: I-3

Existing elevation:	98	
Proposed practice area elev.	98	
Thickness of filter bed	2	
Proposed bottom of practice =		96
Test/Bottom of borehole elev =		95 (1 ft below bottom of practice)

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

Presoak Borehole for 24-hrs.	Presoak Start Time:	<u>7/20/2016</u>	<u>8:20 AM</u>
	Presoak End Time:	<u>7/21/2016</u>	<u>8:50 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 55 0	10 0 0 3.50	3.23
2	10 5 5	11 8 1 3.66	3.49
3	11 15 0	12 15 5 3.80	3.79
4	12 20 48	13 25 0 3.30	3.08
		Average Infiltration Rate =	<u>3.40</u>
		Design Infiltration Rate =	1.70 (Factor of safety of 2)

Infiltration Test No.: I-4

Existing elevation:	98	
Proposed practice area elev.	98	
Thickness of filter bed	2	
Proposed bottom of practice =		96
Test/Bottom of borehole elev =		95 (1 ft below bottom of practice)

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

Presoak Borehole for 24-hrs.

Presoak Start Time:	<u>7/20/2016</u>	<u>10:15 AM</u>
Presoak End Time:	<u>7/21/2016</u>	<u>11:00 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	11	15	0	12	20	0	3.50
2	12	25	5	13	26	1	3.50
3	13	30	0	14	33	8	3.75
4	14	38	11	15	45	6	4.00
							<u>3.59</u>
							Average Infiltration Rate = 3.46
							Design Infiltration Rate = 1.73 (Factor of safety of 2)