

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 14 - Probes 117 & 118 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type CmB Slope 3-8% Depth to Limiting Zone 30" Ave. Perc. Rate 8.18
 UNSUITABLE Mottling Seeps or Poned Water Bedrock Fractures Coarse Fragments Perc. Rate
 Slope Unstabilized Fill Floodplain Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION: Terra Technologies
 Soils Description Completed By: Peter M. Volpinari, P.G. Date: 8/23/05

	Inches		Description of Horizon		Probe 118
<u>0</u>	TO	<u>9</u>	<u>Topsoil</u>		
<u>9</u>	TO	<u>26</u>	<u>Medium brown shaly silt loam, slightly sticky, slightly plastic, friable, SAB, 40% C.F.</u>		
<u>26</u>	TO	<u>30</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic friable, SAB, 20% C.F.</u>		
	TO		<u>Mottling at 30"</u>	Depth to Limiting Zone:	
	TO			<u>30"</u>	Inches

Probe 117 (8/23/05) - L.Z. = 54" to mottling

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 11/23/05

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 Hours)
 Soil Conditions: Wet Dry Frozen

Hole Number	*** Yes/No	Reading Interval	Reading No.1: Inches of drop	Reading No.2: Inches of drop	Reading No.3: Inches of drop	Reading No.4: Inches of drop	Reading No.5: Inches of drop	Reading No.6: Inches of drop	Reading No.7: Inches of drop	Reading No.8: Inches of drop
1	YES	30	3.750	3.750	3.750	3.500				
2	NO	10	6.000	3.625	4.375	3.500	3.625	3.875	3.250	3.500
3	YES	30	5.500	5.625	5.375	5.375				
4	YES	30	1.250	1.375	1.250	1.250				
5	NO	10	3.000	2.000	2.250	1.875	1.875	2.000	1.750	
6	NO	10	6.000	4.875	5.500	4.625	4.750	5.125	4.250	4.250

*** Water remaining in the hole at the end of the final 30 minute prescak? Yes, use 30 minute interval; No use 10 minute interval

Calculation of Average Percolation rate:

Hole No.	Drop during final period	Perc Rate as Min./ Inch	Depth of Hole
1	3.500	8.57	20"
2	3.500	2.86	20"
3	5.375	5.58	20"
4	1.250	24.00	20"
5	1.750	5.71	20"
6	4.250	2.35	20"
Total of Min / In →		49.07	
Total No. of Holes →		6	8.18 Min/Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manor approved by the department.

(S) *Peter M. Volpinari*
 Sewage Enforcement Officer

SITE INVESTIGATION AND PERCOLATION TEST REPORT FOR ON-LOT DISPOSAL OF SEWAGE

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 14 - Probes 118 & 169 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type CmB Slope 3-8% Depth to Limiting Zone 30" Ave. Perc. Rate 11.97
 UNSUITABLE Mottling Seeps or Pounded Water Bedrock Fractures Coarse Fragments Perc. Rate
 Slope Unstabilized Fill Floodplain Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

SOILS DESCRIPTION: Terra Technologies
 Soils Description Completed By: Peter M. Volpinari, P.G. Date: 8/23/05

	Inches		Description of Horizon	Probe 118
	0	TO	9	
			<u>Topsoil</u>	
	9	TO	26	
			<u>Medium brown shaly silt loam, slightly sticky, slightly plastic, friable, SAB, 40% C.F.</u>	
	26	TO	30	
			<u>Medium brown silt loam, slightly sticky, slightly plastic friable, SAB, 20% C.F.</u>	
		TO		Depth to Limiting Zone:
			<u>Mottling at 30"</u>	<u>30"</u> inches
		TO		

Probe 169 (9/9/05) - No L.Z. to 42"

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 11/23/05

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 Hours)
 Soil Conditions: Wet Dry Frozen

Hole Number	*** Yes/No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
1	NO	10	2.875	2.125	2.500	2.500	2.500	4.750	2.125	2.125
2	NO	10	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000
3	NO	10	5.875	4.500	5.000	4.250	4.500	5.000	4.375	4.375
4	YES	30	1.125	0.875	0.875	0.875				
5	YES	30	1.250	1.250	1.125	1.125				
6	YES	30	4.125	4.000	3.750	3.750	3.625	3.500		

*** Water remaining in the hole at the end of the final 30 minute presoak? Yes, use 30 minute interval; No use 10 minute interval

Calculation of Average Percolation rate:

NOTE: 8 hole test

Hole No.	Drop during final period	Perc Rate as Min./ Inch	Depth of Hole
1	2.125	4.71	20"
2	6.000		20"
3	4.375	2.29	20"
4	0.875	34.29	20"
5	1.125	26.67	20"
6	3.500	8.57	20"
Total of Min / In →		83.81	
Total No. of Holes →		7	11.97 Min/Inch

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(S) *Peter M. Volpinari*
 Sewage Enforcement Officer

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 Slope Unstabilized Fill Floodplain Other _____

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE

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Inches	Description of Horizon		Probe 118
0 TO 9	Topsoil		
9 TO 26	Medium brown shaly silt loam, slightly sticky, slightly plastic, friable, SAB, 40% C.F.		
26 TO 30	Medium brown silt loam, slightly sticky, slightly plastic friable, SAB, 20% C.F.		
TO	Mottling at 30"		Depth to Limiting Zone: 30" Inches

Probe 169 (9/9/05) - No L.Z. to 42"

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7	NO	10	4.500	4.125	2.875	3.375	3.125	2.375	2.500	2.625
8	NO	10	6.000	6.000	3.750	3.875	4.500	3.375	3.250	2.875

*** Water remaining in the hole at the end of the final 30 minute presoak? Yes, use 30 minute interval; No use 10 minute interval

Calculation of Average Percolation rate:

NOTE: 8 hole test

Hole No.	Drop during final period	Perc Rate as Min./Inch	Depth of Hole
7	2.625	4.71	20"
8	2.875	3.48	20"
Total of Min / In	→ 83.81		
Total No. of Holes	→ 7	11.97	Min/Inch

The information provided is the true and correct results of tests conducted by me, performed under my personal supervision, or confirmed in a manner approved by the department.

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 Sewage Enforcement Officer