

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

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 19- Probe ~~108~~ 108 & 151 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 72" Ave. Perc. Rate 31.93
 UNSUITABLE Mottling Seeps or Ponded 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 106
<u>0</u>	TO	<u>10</u>	<u>Topsoli</u>	
<u>10</u>	TO	<u>39</u>	<u>Light brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>	
<u>39</u>	TO	<u>84</u>	<u>Medium brown shaly silt loam, slightly sticky, non-plastic, friable, massive, 30% C.F.</u>	
	TO		<u>No L.Z. to 72"</u>	Depth to Limiting Zone: <u>72"</u> Inches
	TO			

Probe 151 (8/9/05) - L.Z. = 26" to mottling

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/12/06

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	4.250	3.750	3.500	3.125	3.125	2.875	3.250	3.125
2	YES	30	4.250	4.875	4.750	4.250	4.250	3.875	4.000	5.500
3	YES	30	0.250	0.375	0.375	0.250				
4	YES	30	3.250	3.250	3.500	3.250				
5	NO	10	3.500	1.750	1.750	2.000	1.625	1.875	2.250	1.375
6	YES	30	0.500	0.500	0.750	0.750				

*** 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:

Hole No.	Drop during final period	Perc Rate as Min./ Inch	Depth of Hole
1	3.125	9.60	20"
2	5.500	5.45	20"
3	0.250	120.00	20"
4	3.250	9.23	20"
5	1.375	7.27	20"
6	0.750	40.00	20"
Total of Min / In →		191.56	
Total No. of Holes →		6	31.93 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.

(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 19- Probe 105 & 106 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 72" Ave. Perc. Rate 61.74
 UNSUITABLE Mottling Seeps or Ponded 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 106
0	TO	10	<u>Topsail</u>		
			<u>Light brown silt loam, slightly sticky, slightly plastic,</u>		
10	TO	39	<u>friable, SAB, 20% C.F.</u>		
			<u>Medium brown shaly silt loam, slightly sticky, non-plastic,</u>		
39	TO	84	<u>friable, massive, 30% C.F.</u>		
				Depth to Limiting Zone:	
	TO		<u>No L.Z. to 72"</u>	<u>72"</u>	Inches
	TO				
			<u>Probe 105 (8/23/05) No L.Z. to 87"</u>		

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/12/06

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Steel, 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	0.375	0.375	0.375	0.375				
2	YES	30	2.750	2.750	2.875	2.875				
3	YES	30	0.250	0.250	0.250	0.250				
4	YES	30	0.375	0.375	0.375	0.375				
5	YES	30	1.250	1.500	1.500	1.500	1.500			
6	YES	30	0.500	0.625	0.500	0.500				

*** 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:

Hole No.	Drop during final period	Perc Rate as Min./Inch	Depth of Hole
1	0.375	80.00	24"
2	2.875	10.43	24"
3	0.250	120.00	24"
4	0.375	80.00	24"
5	1.500	20.00	24"
6	0.500	60.00	24"
Total of Min / In →		370.43	
Total No. of Holes →		6	61.74 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.

(S) 
 Sewage Enforcement Officer