

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

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 13 - Probes 158 & 170 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 58" Ave. Perc. Rate 3.53
 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: 9/9/05

	Inches		Description of Horizon		Probe 170
<u>0</u>	TO	<u>13</u>	<u>Topsail</u>		
			<u>Medium brown channery silt loam, slightly sticky, slightly plastic, friable, SAB, 40% C.F.</u>		
<u>13</u>	TO	<u>28</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic friable, SAB, 30% C.F.</u>		
<u>28</u>	TO	<u>58</u>	<u>Mottling at 58"</u>	Depth to Limiting Zone:	<u>58</u> inches
	TO				
	TO				

Probe 158 (9/9/05) - No L.Z. to 84"

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	6.000	5.500	5.625	5.125	5.375	5.625	5.375	5.375
2	NO	10	6.000	5.125	5.250	5.000	5.125			
3	YES	30	3.000	4.250	3.125	4.000	4.000	4.000	4.250	
4	NO	10	2.875	2.875	3.000	2.750				
5	NO	10	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000
6	NO	10	3.875	4.500	4.375	3.875	3.750	4.125	4.000	3.750

*** 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:

NOTE: 8 hole test

Hole No.	Drop during final period	Perc Rate as Min./ Inch	Depth of Hole
1	5.375	1.86	20"
2	5.125	1.95	20"
3	4.250	7.06	20"
4	2.750	3.64	20"
5	6.000		20"
6	3.750	2.67	20"
Total of Min / In →		21.18	
Total No. of Holes →		6	3.53 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 13 - Probes 158 & 170 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 58" Ave. Perc. Rate 3.53
 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: 9/9/05

	Inches		Description of Horizon		Probe 170
<u>0</u>	TO	<u>13</u>	<u>Topsoil</u>		
			<u>Medium brown channery silt loam, slightly sticky, slightly plastic, friable, SAB, 40% C.F.</u>		
<u>13</u>	TO	<u>28</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic friable, SAB, 30% C.F.</u>		
<u>28</u>	TO	<u>58</u>	<u>Mottling at 58"</u>	Depth to Limiting Zone:	
				<u>58</u> Inches	

Probe 158 (9/9/05) - No L.Z. to 84"

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
7	NO	10	6.000	6.000	6.000	6.000	6.000	6.000	6.000	6.000
8	NO	10	3.250	3.000	2.125	2.375	2.875	4.750	2.625	2.500

*** 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
7	6.000		20"
8	2.500	4.00	20"
Total of Min / In	→	21.18	
Total No. of Holes	→	6	3.53 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

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

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 13 - Probes 170 & 188 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type _____ BoB _____ Slope 3-8% Depth to Limiting Zone 22" Ave. Perc. Rate 8.29
 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: 9/9/05

	Inches		Description of Horizon		Probe 170
	0	TO	13	<u>Topsoil</u>	
	13	TO	28	<u>Medium brown channery silt loam, slightly sticky, slightly plastic, friable, SAB, 40% C.F.</u>	
	28	TO	58	<u>Medium brown silt loam, slightly sticky, slightly plastic friable, SAB, 30% C.F.</u>	
		TO		<u>Mottling at 58"</u>	Depth to Limiting Zone: <u>22"</u> Inches
		TO			

Probe 188 (9/13/05) - L.Z. = 22" to open voids

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 11/30/05

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	6.000	6.000	5.750	6.000	6.000	6.000	5.875	5.750
2	YES	30	1.000	1.000	1.250	1.125				
3	NO	10	2.625	2.750	2.500	3.250	4.375	3.375	2.750	3.500
4	YES	30	5.000	5.500	5.750	5.500	5.500			
5	YES	30	4.000	4.000	4.125	3.625	3.500	3.625	3.625	
6	NO	10	2.875	2.875	1.875	2.375	2.750	1.875	2.000	2.125

*** 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	5.750	1.74	14"
2	1.125	26.67	14"
3	3.500	2.86	14"
4	5.500	5.45	14"
5	3.625	8.28	14"
6	2.125	4.71	14"
Total of Min / In →		49.71	
Total No. of Holes →		6	8.29 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.

(\$) Cheryl J. Hall
 Sewage Enforcement Officer