

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

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton  
 Site Location Lot 23 - Probes 125 & 126 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrC Slope 8-15% Depth to Limiting Zone 30" Ave. Perc. Rate 6.36  
 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 126
<u>0</u>	TO	<u>12</u>	<u>Topsoil</u>		
<u>12</u>	TO	<u>30</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F</u>		
	TO				Depth to Limiting Zone:
	TO		<u>L.Z. = 30" to open voids</u>		<u>30"</u> Inches
	TO				

**Probe 125 (8/23/05) - L.Z. = 30" to open voids**

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/19/06

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	5.125	5.000	5.125	4.750	4.625	4.625	4.500	
2	YES	30	5.125	5.000	5.125	4.875				
3	NO	10	3.125	2.750	2.750	2.500	2.500			
4	YES	30	4.375	4.000	3.750	3.375	3.250	3.250	3.375	
5	YES	30	4.000	4.000	3.875	3.250	3.125	3.000	3.125	
6	NO	10	3.375	3.375	3.250	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:**

Hole No.	Drop during final period	Perc Rate as Min./ Inch	Depth of Hole
1	4.500	6.67	20"
2	4.875	6.15	20"
3	2.500	4.00	20"
4	3.375	8.89	20"
5	3.125	9.60	20"
6	3.500	2.86	20"
Total of Min / In →		38.17	
Total No. of Holes →		6	6.36 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)   
 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 23 - Probes 126 & 162 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrC Slope 8-15% Depth to Limiting Zone 22' Ave. Perc. Rate 9.22  
 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 126
	<u>0</u>	TO	<u>12</u>	<u>Topsoil</u>	
	<u>12</u>	TO	<u>30</u>	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F</u>	
		TO			Depth to Limiting Zone:
		TO	<u>L.Z. = 30" to open voids</u>		<u>22"</u> Inches
		TO			

**Probe 162 (9/9/05) - L.Z. = 22" to open voids**

PERCOLATION TEST: Terra Technologies  
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/19/06

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	5.625	5.000	4.125	4.000	4.625	4.500	4.375	4.250
2	YES	30	4.375	4.250	3.500	2.750	3.125	3.000	3.250	3.250
3	NO	10	1.750	2.000	1.875	2.000				
4	YES	30	5.375	4.750	4.875	4.125	4.125	4.125	4.125	
5	YES	30	3.500	4.125	2.875	2.625	2.500	2.375	2.250	2.125
6	YES	30	1.750	2.000	2.250	2.500	2.375	2.375		

\*\*\* 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	4.250	7.06	14"
2	3.250	9.23	14"
3	2.000	5.00	14"
4	4.125	7.27	14"
5	2.125	14.12	14"
6	2.375	12.63	14"
Total of Min / In →		55.31	
Total No. of Holes →		6	9.22 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