

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

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton  
 Site Location Lot 24 - Probes 160 & 161 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrB Slope 3-8% Depth to Limiting Zone 29" Ave. Perc. Rate 5.43  
 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 160
	0	TO	10	
			<u>Topsoil</u>	
	10	TO	53	
			<u>Light brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>	
	53	TO	78	
			<u>Medium brown shaly silt loam, slightly sticky, slightly plastic, friable, SAB 30% C.F.</u>	
		TO	No L.Z to 78"	Depth to Limiting Zone: <u>29</u> Inches
		TO		

Probe 161 (9/9/05) - L.Z. = 29" 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

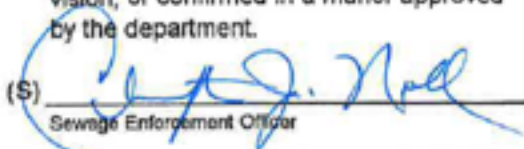
Hole Number	*** Yes/No	Reading Interval	Reading No. 1: Inches of drop	Reading No. 2: Inches of drop	Reading No. 3: Inches of drop	Reading No. 4: Inches of drop	Reading No. 5: Inches of drop	Reading No. 6: Inches of drop	Reading No. 7: Inches of drop	Reading No. 8: Inches of drop
1	YES	30	4.125	4.500	4.250	3.375	3.375	3.375	3.125	
2	NO	10	5.000	4.375	3.875	3.625	3.750	3.625		
3	NO	10	2.500	2.125	2.000	1.875	1.875			
4	NO	10	3.125	2.500	2.125	2.625	2.125	1.875	1.875	1.750
5	NO	10	5.500	3.750	3.125	3.750	3.375	3.125	3.250	3.000
6	YES	30	4.000	5.125	5.000	5.125	5.125			

\*\*\* 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	3.125	9.60	20"
2	3.625	2.76	20"
3	1.875	5.33	20"
4	1.750	5.71	20"
5	3.000	3.33	20"
6	5.125	5.85	20"
Total of Min / In →		32.59	
Total No. of Holes →		6	5.43 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 24 - Probes 180 & 183 Subdivision Name Estates at Colony Park  
 SUITABLE Soil Type BrB Slope 3-8% Depth to Limiting Zone 78" Ave. Perc. Rate 18.87  
 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 160
	<u>0</u> TO <u>10</u>		<u>Topsoil</u>	
	<u>10</u> TO <u>53</u>		<u>Light brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>	
	<u>53</u> TO <u>78</u>		<u>Medium brown shaly silt loam, slightly sticky, slightly plastic, friable, SAB 30% C.F.</u>	
	TO		<u>No L.Z to 78"</u>	Depth to Limiting Zone: <u>78</u> Inches
	TO			

#### Probe 183 (9/13/05) - No L.Z. to 84"

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	NO	10	4.375	3.625	3.500	4.000	3.750	3.500	3.625	3.250
2	YES	30	0.625	0.750	0.625	0.500				
3	YES	30	2.125	2.250	2.000	1.750	2.000	1.875		
4	YES	30	1.375	1.375	1.375	1.375				
5	YES	30	3.375	3.500	3.500	3.250				
6	NO	10	4.750	3.500	3.500	4.125	3.875	3.500	3.750	3.250

\*\*\* 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	3.250	3.08	24"
2	0.500	60.00	24"
3	1.875	16.00	24"
4	1.375	21.82	24"
5	3.250	9.23	24"
6	3.250	3.08	24"
Total of Min / In →		113.20	
Total No. of Holes →		6	18.87 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