

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

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 25 - Probes 163 & 164 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 88" Ave. Perc. Rate 16.19
 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 163
	0	TO 10	<u>Topsoil</u>	
	10	TO 23	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>	
	23	TO 91	<u>Strong red brown silty clay loam, slightly sticky, slightly plastic, firm, SAB, 20% C.F.</u>	
		TO _____	<u>No L.Z to 91"</u>	Depth to Limiting Zone: <u>88</u> Inches
		TO _____		

Probe 164 (9/9/05) - No L.Z. to 88"

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 12/8/05

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	4.375	4.000	2.875	2.750	2.500	2.250	2.125	2.000
2	YES	30	0.625	0.750	0.625	0.625				
3	YES	30	3.500	5.875	3.000	3.000	2.750	2.750		
4	NO	10	4.500	4.000	4.000	3.750	3.750			
5	NO	10	5.125	4.750	4.750	4.750	4.750			
6	YES	30	1.625	2.875	1.625	1.750	1.625	1.625		

*** 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	2.000	15.00	20"
2	0.625	48.00	20"
3	2.750	10.91	20"
4	3.750	2.67	20"
5	4.750	2.11	20"
6	1.625	18.46	20"
Total of Min / In →		97.14	
Total No. of Holes →		6	16.19 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 25 - Probes 184 & 185 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 88" Ave. Perc. Rate 61.75
 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: 9/13/05

	Inches		Description of Horizon	Probe 184
<u>0</u>	TO	<u>8</u>	<u>Topsoil</u>	
<u>8</u>	TO	<u>26</u>	<u>Light brown shaly silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>	
<u>26</u>	TO	<u>90</u>	<u>Strong red brown silty clay loam, slightly sticky, slightly plastic, firm, SAB, 20% C.F.</u>	
	TO		<u>No L.Z to 90"</u>	Depth to Limiting Zone: <u>88</u> inches
	TO			

Probe 185 (9/13/05) - No L.Z. to 88"

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 12/8/05

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	0.000	0.000	0.125	0.125				
2	YES	30	0.500	0.500	0.500	0.500				
3	YES	30	1.000	0.750	0.875	0.875				
4	NO	10	2.500	2.250	2.250	2.375				
5	YES	30	1.750	1.750	1.750	1.875				
6	YES	30	1.625	1.750	1.750	1.875				

*** 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:

Hole No.	Drop during final period	Perc Rate as Min./ Inch	Depth of Hole
1	0.125	240.00	20"
2	0.500	60.00	20"
3	0.875	34.29	20"
4	2.375	4.21	20"
5	1.875	16.00	20"
6	1.875	16.00	20"
Total of Min / In →		370.50	
Total No. of Holes →		6	<u>61.75</u> 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