

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

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 26 - Probes 165 & 166 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type _____ BoB _____ Slope 3-8% Depth to Limiting Zone 62" Ave. Perc. Rate 10.38
 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 165
	0	TO 11	<u>Topsoil</u>	
	11	TO 37	<u>Medium brown silt loam, slightly sticky, slightly plastic, friable, SAB, 30% C.F.</u>	
	37	TO 86"	<u>Strong red brown silty clay loam, slightly sticky, slightly plastic, firm, SAB, 20% C.F.</u>	
		TO _____	<u>No L.Z to 86"</u>	Depth to Limiting Zone: <u>62</u> Inches
		TO _____		

Probe 166 (9/9/05) - L.Z. = 62" to open voids

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	1.750	1.500	1.375	1.375	1.375			
2	YES	30	4.250	3.625	3.750	3.625	3.375	2.750	2.750	3.000
3	NO	10	3.375	2.750	2.750	2.625	2.875			
4	NO	10	2.375	2.250	2.375	2.250				
5	YES	30	2.875	2.625	3.125	2.500	2.500	2.250	2.250	
6	YES	30	3.500	3.500	3.250	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	1.375	21.82	20"
2	3.000	10.00	20"
3	2.875	3.48	20"
4	2.250	4.44	20"
5	2.250	13.33	20"
6	3.250	9.23	20"
Total of Min / In →		62.30	
Total No. of Holes →		6	10.38 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)

[Signature]
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 26 - Probes 166 & 189 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 62" Ave. Perc. Rate 9.60
 UNSUITABLE Motting 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 189
<u>0</u>	TO	<u>10</u>	<u>Topsoil</u>	
			<u>Medium brown silt loam, slightly sticky, slightly plastic,</u>	
<u>10</u>	TO	<u>27</u>	<u>friable, SAB, 30% C.F.</u>	
			<u>Strong red brown silty clay loam, slightly sticky, slightly plastic,</u>	
<u>27</u>	TO	<u>76</u>	<u>firm, SAB, 20% C.F.</u>	
				Depth to Limiting Zone:
	TO		<u>No L.Z to 76"</u>	<u>62</u> Inches
	TO			

Probe 166 (9/9/05) - L.Z. = 62" to open voids

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	1.750	1.750	1.625	1.625				
2	YES	30	5.500	5.250	5.250	4.875	4.875	4.625	4.750	
3	NO	10	3.750	3.500	3.500	3.500				
4	YES	30	5.125	4.875	6.000	4.000	3.875	4.125	4.000	
5	NO	10	3.625	2.750	2.875	2.625	2.375	2.250	2.375	2.500
6	YES	30	1.875	1.625	1.625	1.500	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	1.625	18.46	20"
2	4.750	6.32	20"
3	3.500	2.86	20"
4	4.000	7.50	20"
5	2.500	4.00	20"
6	1.625	18.46	20"
Total of Min / In →		57.60	
Total No. of Holes →		6	9.60 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