

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

Application No. _____ Municipality Plainfield Township County Northampton
 Site Location Lot 30 - Probes 131 & 132 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope 3-6% Depth to Limiting Zone 38" Ave. Perc. Rate 7.64
 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: 8/24/2005

	Inches		Description of Horizon	Probe 131
<u>0</u>	TO	<u>9</u>	<u>Topsoil</u>	
<u>9</u>	TO	<u>25</u>	<u>Strong brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>	
<u>25</u>	TO	<u>45</u>	<u>Variegated brown and very light brown silty clay loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>	
<u>45</u>	TO	<u>72</u>	<u>Strong brown loam, slightly sticky, non-plastic, friable, SAB 30% C.F.</u>	Depth to Limiting Zone: <u>38</u> Inches
_____	TO	_____	<u>No L.Z. to 72"</u>	
Probe 132 (8/24/05) - L.Z. = 38" to mottling				

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/26/2006

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 Hours)
 Soil Conditions: Wet Dry Frozen

Hole Number	***	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
	Yes/No									
1	YES	30	5.500	5.500	5.250	5.250				
2	YES	30	5.375	5.250	5.000	4.875	4.500	4.750	4.750	4.500
3	YES	30	4.500	4.250	4.000	4.000	3.875	3.750		
4	YES	30	4.250	4.250	4.625	4.875	4.625	4.375	4.125	3.875
5	YES	30	4.125	4.125	4.125	4.125				
6	YES	30	3.625	3.375	3.000	2.875	2.875	2.875		

*** 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	5.250	5.71	20"
2	4.500	6.67	20"
3	3.750	8.00	20"
4	3.875	7.74	20"
5	4.125	7.27	20"
6	2.875	10.43	20"
Total of Min / In →		45.83	
Total No. of Holes →		6	7.64 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 30 - Probes 130 & 131 Subdivision Name Estates at Colony Park
 SUITABLE Soil Type BoB Slope 3-8% Depth to Limiting Zone 72" Ave. Perc. Rate 12.71
 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: 8/24/2005

	Inches		Description of Horizon		Probe 131
<u>0</u>	TO	<u>9</u>	<u>Topsoil</u>		
<u>9</u>	TO	<u>25</u>	<u>Strong brown silt loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>		
<u>25</u>	TO	<u>45</u>	<u>Variegated brown and very light brown silty clay loam, slightly sticky, slightly plastic, friable, SAB, 20% C.F.</u>		
<u>45</u>	TO	<u>72</u>	<u>Strong brown loam, slightly sticky, non-plastic, friable, SAB 30% C.F.</u>	Depth to Limiting Zone:	
	TO		<u>No L.Z. to 72"</u>	<u>72</u>	Inches
<u>Probe 130 (8/24/05) - No L.Z. to 77"</u>					

PERCOLATION TEST: Terra Technologies
 Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/26/2006

Weather Conditions: Below 40 F 40 F or Above Dry Rain, Sleet, Snow (last 24 Hours)
 Soil Conditions: Wet Dry Frozen

Hole Number	***	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
	Yes/No									
1	YES	30	5.000	4.625	5.250	5.250	5.125	5.125		
2	YES	30	1.000	1.000	0.750	1.000				
3	YES	30	2.500	2.375	2.125	2.125	2.125			
4	YES	30	4.625	4.250	4.125	4.000	3.500	3.500	3.625	3.500
5	YES	30	5.000	4.375	4.625	4.750	4.250	3.750	3.625	2.875
6	YES	30	5.125	4.750	4.250	4.375	4.125	4.125		

*** 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	5.125	5.85	24"
2	1.000	30.00	24"
3	2.125	14.12	24"
4	3.500	8.57	24"
5	2.875	10.43	24"
6	4.125	7.27	24"
Total of Min / In →		76.25	
Total No. of Holes →		6	12.71 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