



**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton

Site Location Lot 11 - Test Pit # 354 Subdivision Name Estates at Colony Park

SUITABLE Soil Type Br Slope \_\_\_\_\_% Depth to Limiting Zone 21 inches Ave. Perc. Rate 9.32  
 UNSUITABLE  Mottling  Seeps or Pooled Water  Bedrock  Fractures  Coarse Fragments  
 Perc. Rate  Slope  Unstabilized Fill  Floodplain  Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: BECS, Inc., Collin M. Brand, P.G., P.S.S., S.E.O. Date: September 22, 2005

Inches	Description of Horizon
<u>0</u> TO <u>15</u>	<u>Ap 10YR4/3 channery silt loam, friable, moderate granular structure</u>
<u>15</u> TO <u>21</u>	<u>Bw1 10YR5/4 channery silt loam, friable, weak subangular blocky structure</u>
<u>+21</u> TO _____	<u>Bw2/Cr 10YR5/4 vry chnny silt loam/channers, very friable, weak subangular blocky structure</u>
_____ TO _____	<u>Limiting Zone - 21 inches open voids</u>
_____ TO _____	_____
_____ TO _____	<u>Confirming Test Pit # 355 - 20 inches open voids</u>

**PERCOLATION TEST:**

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 22, 2005

Weather Conditions:  Below 40°F  40°F or above  Dry  Rain, Sleet, Snow (last 24 hours)

Soil Conditions:  Wet  Dry  Frozen

Hole 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
	Yes	No									
1	x		10 / 30	5.375	4.875	5	5.25	4.5	4.5	3.875	4
2	x		10 / 30	4.25	4.125	4.25	4.125	-			
3	x		10 / 30	2.5	2.125	2	2.125	2	-		
4	x		10 / 30	3.25	3	2.5	2.375	2.375	2.5	-	
5	x		10 / 30	4.5	4	3.625	4.125	2.625	4.125	4.25	4.25
6	x		10 / 30	4.625	4.375	4.25	4.25	4.25	-		

\*\*\*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 Minutes/Inch	Depth of Hole
1	<u>4</u>	<u>7.5</u>	<u>12</u>
2	<u>4.125</u>	<u>7.27</u>	<u>12</u>
3	<u>2</u>	<u>15</u>	<u>12</u>
4	<u>2.5</u>	<u>12</u>	<u>12</u>
5	<u>4.25</u>	<u>7.06</u>	<u>12</u>
6	<u>4.25</u>	<u>7.06</u>	<u>12</u>
TOTAL OF MIN / IN →		<u>55.89</u>	= <u>9.32</u>
TOTAL NO. OF HOLES →		<u>6</u>	

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S) [Signature]  
Sewage Enforcement Officer



**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton

Site Location Lot 11 - Test Pit # 321 Subdivision Name Estates at Colony Park

- SUITABLE Soil Type Br Slope \_\_\_\_\_% Depth to Limiting Zone 30 inches Ave. Perc. Rate 7.27  
 UNSUITABLE  Mottling  Seeps or Pooled Water  Bedrock  Fractures  Coarse Fragments  
 Perc. Rate  Slope  Unstabilized Fill  Floodplain  Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: BECS, Inc., Joseph W. Corona, M.S., P.S.S. Date: September 20, 2005

Inches	Description of Horizon
<u>0</u> TO <u>11</u>	<u>Ap 10YR4/3 gravelly silt loam, friable, weak granular structure</u>
<u>11</u> TO <u>20</u>	<u>Bw 10YR5/6 very gravelly silt loam, friable, weak subangular blocky structure</u>
<u>+20</u> TO _____	<u>Cr extremely gravelly open voids</u>
_____ TO _____	<u>Limiting Zone - 30 inches open voids</u>
_____ TO _____	_____
_____ TO _____	<u>Confirming test pit # 354 - 21" open voids</u>

**PERCOLATION TEST:**

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 22, 2005

- Weather Conditions:  Below 40°F  40°F or above  Dry  Rain, Sleet, Snow (last 24 hours)  
 Soil Conditions:  Wet  Dry  Frozen

Hole 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
	Yes	No									
1		x	10/30	3.25	3	2	2.5	2.75	1.5	1.875	1.75
2		x	10/30	3.125	3.5	2.25	2.5	2	2.5	2.5	2.875
3		x	10/30	6+	6+	6+	6+	6+	6+	6+	5.875
4	x		10/30	4.25	3.875	3.75	3.625	3.375	3.375	3.25	3.25
5	x		10/30	2.375	1.75	1.625	1.5	1.625	-		
6		x	10/30	2.75	3	2	2.25	2	1.625	2	2

\*\*\*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 Minutes/Inch	Depth of Hole
1	1.75	5.7	13
2	2.875	3.5	13
3	5.875	1.7	13
4	3.25	9.23	13
5	1.625	18.46	13
6	2	5	13
TOTAL OF MIN / IN →		43.59	= 7.27
TOTAL NO. OF HOLES →		6	

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S) [Signature]  
Sewage Enforcement Officer



**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton

Site Location Lot 11 - Test Pit # 322 Subdivision Name Estates at Colony Park

- SUITABLE Soil Type Br Slope \_\_\_\_\_ % Depth to Limiting Zone 24 inches Ave. Perc. Rate 3.97  
 UNSUITABLE  Mottling  Seeps or Pondered Water  Bedrock  Fractures  Coarse Fragments  
 Perc. Rate  Slope  Unstabilized Fill  Floodplain  Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: BECS, Inc., Joseph W. Corona, M.S., P.S.S. Date: September 20, 2005

Inches	Description of Horizon
<u>0</u> TO <u>12</u>	<u>Ap 10YR4/3 gravelly silt loam, friable, weak granular structure</u>
<u>12</u> TO <u>24</u>	<u>Bw 10YR5/6 very channery silt loam, friable, weak subangular blocky structure</u>
<u>+24</u> TO _____	<u>Cr extremely channery open voids</u>
_____ TO _____	<u>Limiting Zone - 24 inches open voids</u>
_____ TO _____	_____
_____ TO _____	<u>confirming test pit # 359 - 22" open voids</u>

**PERCOLATION TEST:**

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: November 10, 2005

- Weather Conditions:  Below 40°F  40°F or above  Dry  Rain, Sleet, Snow (last 24 hours)  
 Soil Conditions:  Wet  Dry  Frozen

Hole 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
	Yes	No									
1		x	10 / 30	3.25	2.375	2.375	2.25	2.125	-		
2		x	10 / 30	3.125	2.5	2.25	2.25	2.25	-		
3		x	10 / 30	6+	6+	6+	6+	6+	5.5	5.375	5.25
4		x	10 / 30	2.75	2.625	2.5	2.125	2.25	2.125	2	-
5		x	10 / 30	3.5	3.25	2.625	2.375	2.25	2.25	2.125	-
6		x	10 / 30	5.25	4.375	4	3.5	3.375	3.375	3.25	-

\*\*\*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 Minutes/Inch	Depth of Hole
1	<u>2.125</u>	<u>4.7</u>	<u>14</u>
2	<u>2.25</u>	<u>4.4</u>	<u>14</u>
3	<u>5.25</u>	<u>1.9</u>	<u>14</u>
4	<u>2</u>	<u>5</u>	<u>14</u>
5	<u>2.125</u>	<u>4.7</u>	<u>14</u>
6	<u>3.25</u>	<u>3.1</u>	<u>14</u>
TOTAL OF MIN / IN →		<u>23.8</u>	= <u>3.97</u>
TOTAL NO. OF HOLES →		<u>6</u>	

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S) [Signature]  
Sewage Enforcement Officer

White - Local Agency

Yellow - Applicant

Pink - Local DEP Office



**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Plainfield Township County Northampton

Site Location Lot 11 Test Pit #3002 Subdivision Name Estates at Colony Park

- SUITABLE Soil Type Wk Slope \_\_\_\_\_% Depth to Limiting Zone 20" inches Ave. Perc. Rate \_\_\_\_\_
- UNSUITABLE  Mottling  Seeps or Pounded Water  Bedrock  Fractures  Coarse Fragments
- Perc. Rate  Slope  Unstabilized Fill  Floodplain  Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: BECS Inc., Colin M. Brand, P.G., P.S.S., S.E.O. Date: March 9, 2006

Inches	Description of Horizon
<u>0</u> TO <u>12</u>	<u>Ap 10YR4/3 channery silt loam, friable, moderate granular structure</u>
<u>12</u> TO <u>21</u>	<u>Bw1 10YR5/6 channery silt loam, friable, weak subangular blocky structure</u>
<u>+21</u> TO _____	<u>Bw2/Cr 10YR5/4 very channery silt loam, friable, very friable, weak subangular</u>
_____ TO _____	<u>blocky structure / extremely channery open voids</u>
_____ TO _____	<u>Limiting Zone - 20 inches open voids</u>
_____ TO _____	_____

**PERCOLATION TEST:**

Percolation Test Completed by: BECS, Inc., Ryan S. Detweiler Date: March 10, 2006

Weather Conditions:  Below 40°F  40°F or above  Dry  Rain, Sleet, Snow (last 24 hours)

Soil Conditions:  Wet  Dry  Frozen

Hole 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
	Yes	No									
1	x		10 / 30	3.375	3.375	3.125	3.125	-			
2	x		10 / 30	5.50	5.50	5.125	4.75	4.875	4.75	4.75	-
3	x		10 / 30	2.50	2.625	2.75	2.75	-			
4	x		10 / 30	3.0	2.75	2.875	2.625	2.75	-		
5	x		10 / 30	3.375	3.375	3.25	3.25	-			
6	x		10 / 30	3.875	3.875	3.50	3.50	3.50	3.375	-	

\*\*\*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 Minutes/Inch	Depth of Hole
1	<u>3.125</u>	<u>9.6</u>	<u>12</u>
2	<u>4.75</u>	<u>6.32</u>	<u>12</u>
3	<u>2.75</u>	<u>10.91</u>	<u>12</u>
4	<u>2.75</u>	<u>10.91</u>	<u>12</u>
5	<u>3.25</u>	<u>9.23</u>	<u>12</u>
6	<u>3.375</u>	<u>8.89</u>	<u>12</u>
TOTAL OF MIN / IN →		<u>55.86</u>	= <u>9.31</u> <sup>Min</sup> / <sub>Inch</sub>
TOTAL NO. OF HOLES →		<u>6</u>	

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S) [Signature]  
Sewage Enforcement Officer