Revised 5-87

01/31/00

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

| Application  | n No.         |                 | ħ.               | funicipality   | Plainfield T    |                 |                |                  | Northampt    |              |
|--|---------------|-----------------|------------------|----------------|-----------------|-----------------|----------------|------------------|--------------|--------------|
| Site Locat   |               | Lot 18- P       | robe 104 &       | 187            |                 |                 |                | Estates at (     |              | k            |
| X SUITAB   |               | Soll Type       | BoB              | Slope 3-8%     | Depth to Lir    | niting Zone     | 21"            | Ave. Perc.       | Rate         | 11.46        |
| UNSUIT   | ABLE X        |                 | Seeps or Pond    |                | ☐ Bedrock       |                 |                | ragments         | Perc. Ro     | te           |
|  |               | Slope           | Unstabilized     | Fili 🔲         | Floodplain      | Other           |                |                  |              | _            |
|  |               |                 |                  |                |                 |                 | -              |                  |              |              |
| INS  | TRUCTI        | ONS FOR         |                  | ION OF T       | HIS FORM        | ARE LOC         | ATED ON        | THE REV          | ERSE         |              |
| SOILS DESCRIPTION: Terra Technologies  |               |                 |                  |                |                 |                 |                |                  |              |              |
| Soils Description Completed By: Peter M. Volpinari, P.G. Date: 8/23/05                 |               |                 |                  |                |                 |                 |                |                  |              |              |
|  |               |                 |                  |                |                 |                 |                |                  |              |              |
|  | Inches        |                 |                  |                | Description of  | f Horizon       |                |                  | Probe 10     | 4            |
| _0   | TO            | 9               | Topsoli          |                |                 |                 |                |                  |              |              |
|  |               |                 |                  | silt loam, sli | ghtly sticky, : | slightly plasti | C,             |                  |              |              |
| _9   | то            | 21              | triable, SAB,    | 30% C.F        |                 |                 |                |                  |              |              |
|  | то            |                 |                  |                |                 |                 |                |                  | Depth to Lim | Mine         |
|  | . 10          | -               |                  |                |                 |                 |                |                  | Zone:        | italy        |
|  | то            |                 | Mottling at 2    | 1"             |                 |                 |                |                  | 21           | Inches       |
|  |               |                 | mouning at 2     |                |                 |                 |                |                  |              |              |
|  | TO            |                 |                  |                |                 |                 |                |                  |              |              |
|  |               |                 | Probe 187 (      | 9/13/05) L.Z   | = 22" to m      | otiting         |                |                  |              |              |
| PERCOLATION TEST: Terra Technologies   |               |                 |                  |                |                 |                 |                |                  |              |              |
|  |               |                 | Peter M. Vo      | pinari, P.G.   |                 |                 | Date:          | 1/20/06          |              |              |
|  |               |                 |                  |                | _               | _               |                |                  |              |              |
| Weather Conditions: Below 40 F X 40 F or Above X Dry Rain, Sleet, Snow (last 24 Hours) |               |                 |                  |                |                 |                 |                |                  |              |              |
| Soil Condit  | ions: 🛛       | Wet 🗆           | Dry 🗆            | Frozen         |                 |                 |                |                  |              |              |
|  |               |                 |                  |                |                 |                 |                |                  |              |              |
|  |               |                 |                  |                | l               |                 |                |                  | Reading      | Reading      |
|  | ***           | Reading         | Reading No.1:    | Reading No.2:  | Reading No.3:   | Reading No.4:   | Resding No.5:  | Reading No.6:    |              | No.8; Inches |
| Hole Number  | Yes/No        | Interval        |                  | Inches of drop |                 | Inches of drop  | Inches of drop | Inches of drop   | of drop      | of drop      |
| 1  | YES           | 30              | 0.878            | 0.875          | 0.875           | 0.875           |                |                  |              |              |
| 2  | YES           | 30              | 2,500            | 2.625          | 2.500           | 2.500           |                |                  |              |              |
| 3  | YES           | 30              | 3.250            | 3.125          | 3.250           | 3.000           |                |                  |              |              |
| 4  | NO            | 10              | 3.375            | 3,750          | 4.000           | 3.375           | 3.875          | 3.750            | 3.875        | 3.750        |
|  |               |                 |                  | 4.500          | 4.375           | 4.250           | 4.250          | 0.700            | 0,070        | 0,700        |
| 5  | YES           | 30              | 4.625            |                |                 |                 | 3.625          |                  |              |              |
| 6  | NO            | 10              | 4.375            | 3,750          | 3.875           | 3,625           |                | 10 minuta inte   | nal .        |              |
| Water rer  | maining in th | e hole at the e | and of the final | 30 minute pre  | SORK/ TRS, US   | a 30 minute in  | pervar, No use | TO THE BOOK INC. | n val        |              |
| Onland-H   | af A          | D               | datlar rate      |                |                 |                 |                |                  |              |              |
| Galculatio   | on of Ave     | rage Perco      | olation rate     |                |                 |                 |                |                  |              |              |

|             | Drop         | Perc Rate |          |          |
|-------------|--------------|-----------|----------|----------|
|             | during final | as Min./  | Depth of |          |
| Hole No.    | period       | Inch      | Hole     |          |
| 1           | 0.875        | 34,29     | 20"      |          |
| 2           | 2.500        | 12.00     | 20°      |          |
| 3           | 3.000        | 10.00     | 20"      |          |
| 4           | 3.750        | 2.67      | 20"      |          |
| 5           | 4.250        | 7.06      | 20"      |          |
| 6           | 3.625        | 2.76      | 20"      |          |
| Total of Mi | n/ln →       | 68.77     |          |          |
| Total No. o |              | 6         | 11,46    | 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.

Sewage Enforcement Office

ER-BWQ-290 Appendix A

Revised 5-87

010100

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

| Applicatio   | n No.                  |   | N                | lunicipality    | Plainfield T   | ownship         |                |                | Northampt     |              |
|--|------------------------|---|------------------|-----------------|----------------|-----------------|----------------|----------------|---------------|--------------|
| Site Locat   |                        | Lot 18- Pi  | robe 104 &       |                 |                | Subdivisio      |                | Estates at (   |               |              |
| SUITAB   | LE                     | Soil Type   | BoB              | Slope 3-8%      | Depth to Lin   | niting Zone .   | 21"            | Ave. Perc.     | Rate          | 14.85        |
| UNSUIT   |                        |   | Seeps or Pond    |                 |                |                 |                | ragments       | Perc. Ra      | te           |
|  |                        | Stope []  | Unstablized      | FIII 🗆          | Floodplain     | Other           |                |                |               |              |
|  |                        |   |                  | TOVI OF T       | UO FORM        | ADE 1 00        | ATED ON        | TUE DEVI       | TOCE          |              |
|  |                        |   |                  | TON OF T        | HIS FORM       | ARE LUC         | A LED ON       | THE REV        | EKSE          |              |
| SOILS DESCRIPTION:<br>Soils Description Completed By:                            |                        | Terra Technologies Peter M. Voloinari, P.G. Date: 8/23/05 |                  |                 |                |                 |                |                |               |              |
| Solls Des  | cription Com           | pleted By:  | Peter M. Vol     | pinari, P.G.    |                |                 | Date:_         | 0/23/03        |               | ,            |
|  |                        |   |                  |                 | Description of | # Horizon       |                |                | Probe 10      | 14           |
|  | Inches                 | •   | Topsoil          |                 | Description    | n monzon        |                |                |               | •            |
| _0   | . то _                 | 9   |                  | sitt ioam, slig | htty sticky.   | slightly plasti | la.            |                |               |              |
| 9  | то                     | 21  | friable, SAB,    |                 | and sucing,    | angrius praise  |                |                |               |              |
|  |                        |   |                  |                 |                |                 |                |                |               |              |
|  | TO                     |   |                  |                 |                |                 |                |                | Depth to Lim  | iting        |
|  |                        |   |                  |                 |                |                 |                |                | Zone:         |              |
|  | то .                   |   | Mottling at 2    | .1"             |                |                 |                |                | 21            | Inches       |
|  | 70                     |   |                  |                 |                |                 |                |                |               |              |
|  | . то .                 |   | Drobo 150 (      | 0/0/05\1.7      | = 30" to mo    | ttling          |                |                |               |              |
| Probe 150 (9/9/05) L.Z. = 30" to mattling.  PERCOLATION TEST: Terra Technologies |                        |   |                  |                 |                |                 |                |                |               |              |
| Percolation Test Completed By: Peter M. Volpinari, P.G. Date: 1/20/06            |                        |   |                  |                 |                |                 |                |                |               |              |
|  |                        | ,   |                  |                 |                | _               |                |                |               |              |
| Weather C  | onditions:             | □ Below   | 40 F ⊠           | 40 F or Ab      | ove 🛛          | Dry 🗆           | Rain, Siee     | t, Snow (las   | st 24 Hour    | s)           |
| Soll Condit  | tions: X               | Wet   | Dry.             | Frozen          |                |                 |                |                |               |              |
|  |                        |   |                  |                 |                |                 |                |                |               | -            |
|  |                        |   |                  |                 |                |                 |                |                | Reading       | Reading      |
|  |                        | Reading   | Reading No.1:    | Reading No.2:   | Reading No.3;  | Reading No.4:   | Reading No.5:  | Reading No.6:  | No.7: Inches  | No.8; Inches |
| Hole Number  | Yes/No                 | Interval  | Inches of drop   | Inches of drop  | Inches of drop | Inches of drop  | Inches of drop | Inches of drop | of drop       | of drop      |
| 1  | YES                    | 30  | 1.125            | 1,250           | 1.125          | 1.125           |                |                |               |              |
| 2  | YES                    | 30  | 1.375            | 1.250           | 1.375          | 1.375           |                |                |               |              |
| 3  | YES -                  | 30  | 5.125            | 5.125           | 4.875          | 4.875           |                |                |               |              |
| 4  | YES                    | 30  | 2.750            | 2.875           | 3,000          | 3.000           |                |                |               |              |
| 5  | YES                    | 30  | 5.250            | 5.250           | 5.000          | 5.000           |                | <u> </u>       |               |              |
| 6  | YES                    | 30  | 1,500            | 1.750           | 1.625          | 1.625           |                |                |               |              |
| *** Water re   | maining in the         | hole at the   | end of the final | 30 mlnute pre   | soak? Yes, us  | e 30 minute in  | terval; No use | 10 minute inte | erval         |              |
|  |                        |   |                  |                 |                |                 |                |                |               |              |
| Calculati  | on of Aver             | age Perc  | olation rate     | :               |                |                 |                |                |               |              |
|  | _                      | D   |                  |                 |                |                 |                |                |               |              |
|  | Drop                   | Perc Rate   | Depth of         |                 |                |                 |                |                |               |              |
| Hole No.   | during final<br>period | as MinJ<br>Inch   | · Hole           |                 |                |                 | The inform     | ation provide  | ed is the tru | e and        |
| HOSE NO.   | berrog                 | 110011  | Hole             |                 |                |                 |                |                |               |              |

|             | Drop         | Perc Rate |          |          |
|-------------|--------------|-----------|----------|----------|
|             | during final | as MinJ   | Depth of |          |
| Hole No.    | period       | Inch      | Hole     |          |
| 1           | 1.125        | 26.67     | 20"      |          |
| 2           | 1.375        | 21.82     | 20"      |          |
| 3           | 4.875        | 6.15      | 20*_     |          |
| 4           | 3.000        | 10.00     | 20"      |          |
| - 5         | 5.000        | 6.00      | 20"      |          |
| - 6         | 1.625        | 18.46     | 20"      |          |
| Total of Mi | n/In →       | 89.10     |          |          |
| Total No. o |              | 6         | 14.85    | 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

Sewage Enforcement Office