

SOIL SUMMARY REPORT

General Information:

Date: November 7, 2007 Bedford County Health Department

Applicant: _____

Telephone No. _____

Address: _____

Location: _____

Subdivision: Forbes Mill Estates

Section: _____

Lot: 3

Soil Information Summary:

Drain Field C LOCATED ON LOT 3

Slope: 13 %

Depth to rock/impervious strata: Max. ____ Min. ____ None X

Depth to seasonal water table: (gray mottling or gray color) No Yes ____ Inches

Free water present: No Yes ____ Range in Inches

Soil percolation rate estimated: Yes Texture group **II**

No Estimated rate 40 min/inch

Proposed Drainfield 6-55'x 3' Lines installed at 72 Inches Deep

Name and title of evaluator: Brian Anderson AOSE#180

SOIL EVALUATION FORMSubdivision Forbes Mill EstatesLot 3Drain Field C

Hole #	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	A	0-4	7.5 YR 4/4 Loam	II
	B	4-54	2.5 YR 4/8 Clay Loam	III
	C1	54-84	2.5 YR 5/8 Loam	II
	C2	84-102	7.5 YR 6/6 Loam with Few Yellow Brown Mottles @ 4"-30"	II
2	A	0-4	7.5 YR 4/4 Loam	II
	B	4-57	2.5 YR 4/8 Clay Loam	III
	C1	57-80	2.5 YR 5/8 Loam	II
	C2	80-98	7.5 YR 6/6 Loam	II
3	A	0-4	7.5 YR 4/4 Loam	II
	B	4-52	2.5 YR 4/8 Clay Loam	III
	C1	52-83	2.5 YR 5/8 Loam	II
	C2	83-98	7.5 YR 6/6 Loam	II

Remarks:

Abbreviated Design Form

“Appendix 6”

For use with gravity and pump drainfields, enhanced flow systems and low pressure distributions systems when applying for a certification letter of subdivision approval.

Design Basis Subdivision Forbes Mill Estates Lot 3 D/F C

- A. Estimated Percolation Rate 40
- B. Trench bottom square feet
Required per bedroom
(from Table 4.6 based on Gravity LPD) 314 ft²
- C. Number of Bedrooms 3

Area Calculations

- D. Length of trench 55 ft. Length of available area 55 ft.
- E. Width of trench 3 ft.
- F. Number of trenches 6
- G. Center-to-center spacing 10 ft.
- H. Width required [G(F-1)+E] 53 ft. Width of available area 53 ft.
- I. Total square footage required (BxC) 942 ft²
- J. Square footage in design (DxExF) 990 ft²
- K. Is a reserve required? No Yes Lines at Inches Deep
- L. Slope Type: Side Slope