

SOIL SUMMARY REPORT

General Information:

Date: November 7, 2007 Bedford County Health Department

Applicant: _____

Telephone No. _____

Address: _____

Location: _____

Subdivision: Forbes Mill Estates

Section: _____

Lot: 4

Soil Information Summary:

Drain Field D LOCATED ON LOT 4

Slope: 18 %

Depth to rock/impervious strata: Max. 88 Min. 78 None _____

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 45 min/inch

Proposed Drainfield 5-70'x 3' Lines installed at 58 Inches Deep

Name and title of evaluator: Brian Anderson AOSE#180

SOIL EVALUATION FORMSubdivision Forbes Mill EstatesLot 4Drain Field D

Hole #	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	A	0-4	7.5 YR 4/4 Loam	II
	B	4-44	2.5 YR 5/8 Clay Loam	III
	C	44-78	7.5 YR 6/8 Loam	II
2	A	0-5	7.5 YR 4/4 Loam	II
	B	5-43	2.5 YR 5/8 Clay Loam	III
	C	43-88	5 YR 6/8 Loam	II
3	A	0-4	7.5 YR 4/4 Loam	II
	B	4-44	2.5 YR 5/8 Clay Loam	III
	C	44-78	5 YR 6/8 Loam	II
		78	Auger Refusal	

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 4 D/F D

- A. Estimated Percolation Rate 45
- B. Trench bottom square feet
Required per bedroom
(from Table 4.6 based on Gravity LPD) 344 ft²
- C. Number of Bedrooms 3

Area Calculations

- D. Length of trench 70 ft. Length of available area 70 ft.
- E. Width of trench 3ft.
- F. Number of trenches 5
- G. Center-to-center spacing 10 ft.
- H. Width required $[G(F-1)+E]$ 43 ft. Width of available area 43 ft.
- I. Total square footage required (BxC) 1032 ft²
- J. Square footage in design (DxExF) 1050 ft²
- K. Is a reserve required? No Yes Lines at Inches Deep
- L. Slope Type: Side Slope