

## SOIL SUMMARY REPORT

### General Information:

Date: November 7, 2007 Bedford County Health Department

Applicant: \_\_\_\_\_

Telephone No. \_\_\_\_\_

Address: \_\_\_\_\_

Location: \_\_\_\_\_

Subdivision: Forbes Mill Estates

Section: \_\_\_\_\_

Lot: 1

### Soil Information Summary:

Drain Field A LOCATED ON LOT 1

Slope: 28 %

Depth to rock/impervious strata: Max. \_\_\_\_\_ Min. \_\_\_\_\_ 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 40 min/inch

Proposed Drainfield 4-80'x3' Lines installed at 48 Inches Deep

Name and title of evaluator: Brian Anderson AOSE#180

**SOIL EVALUATION FORM**Subdivision Forbes Mill EstatesLot 1Drain Field A

Hole #	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	A	0-3	7.5 YR 4/4 Loam	II
	B	3-21	2.5 YR 4/8 Clay Loam	III
	C	21-72	7.5 YR 5/8 Loam	II
2	A	0-3	7.5 YR 4/4 Loam	II
	B	3-17	2.5 YR 4/8 Clay Loam	III
	C	17-72	7.5 YR 7/8 Loam	II
3	A	0-3	7.5 YR 4/4 Loam	II
	B	3-18	2.5 YR 4/8 Clay Loam	III
	C	18-72	10 YR 5/6 Loam	II

Remarks:

## Abbreviated Design Form

### “Appendix 6”

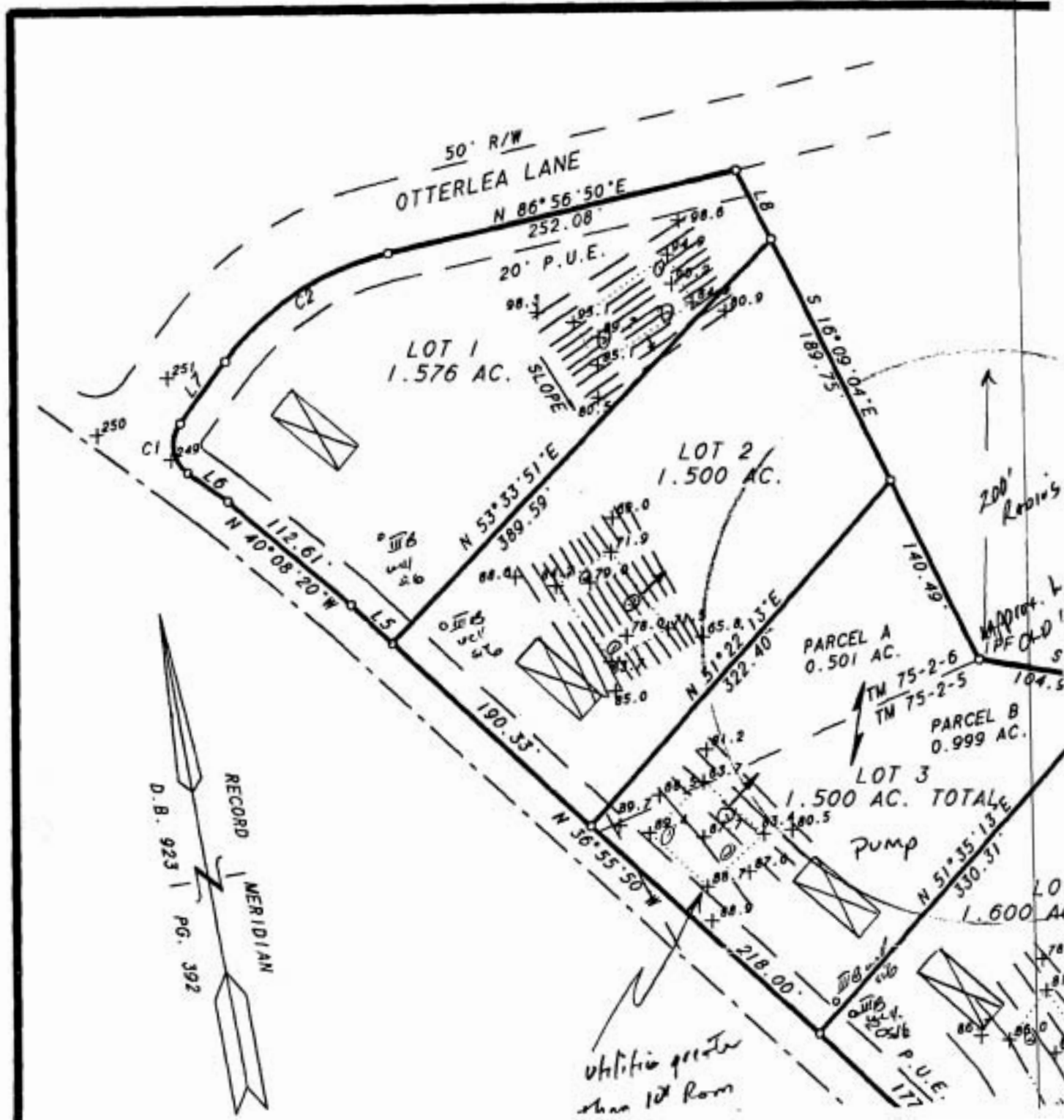
For use with gravity and pump drainfields, enhanced flow systems and low pressure distributions systems when applying for a certification letter of subdivision approval.

**Design Basis** Subdivision Forbes Mill Estates Lot 1 D/F A

- A. Estimated Percolation Rate 40
- B. Trench bottom square feet  
Required per bedroom  
(from Table 4.6 based on  Gravity  LPD) 314 ft<sup>2</sup>
- C. Number of Bedrooms 3

#### Area Calculations

- D. Length of trench 80 ft. Length of available area 80 ft.
- E. Width of trench 3ft.
- F. Number of trenches 4
- G. Center-to-center spacing 11 ft.
- H. Width required [G(F-1)+E] 36 ft. Width of available area 36 ft.
- I. Total square footage required (BxC) 942 ft<sup>2</sup>
- J. Square footage in design (DxExF) 960 ft<sup>2</sup>
- K. Is a reserve required?  No  Yes \_\_\_ Lines at \_\_\_ Inches Deep
- L. Slope Type: Side Slope



RECORD MERIDIAN  
 D.B. 923 | PG. 392

utility grade  
 thru lot 1 & 2