

Auction TRACT 2

SOIL SUMMARY REPORT

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General Information:

Date: April 7, 2005 Botetourt County Health Department

Applicant: _____

Telephone No. _____

Address: _____

Location: Off Route 220, in Gala, Va.

Subdivision: Property owned by Rose Land Company

Section: _____

Lot: Tract 5

Soil Information Summary:

Drain Field E LOCATED ON LOT Tract 5

Slope: 5 %

Depth to rock/impervious strata: Max. 28 Min. 23 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 **III**

No Estimated rate 60 min/inch

Proposed Drainfield Drip Irrigation installed at 5 Inches Deep

Name and title of evaluator: Brian Anderson AOSE#180

SOIL EVALUATION FORMSubdivision _____ Lot Tract 5 Drain Field E

Hole #	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	O	0-1	Organic Matter	
	Bt	1-25	7.5 YR 5/8 Clay Loam	III
	Cr	25	Shale	
2	O	0-1	Organic Matter	
	Bt	1-24	10 YR 6/6 Clay Loam	III
3	O	0-1	Organic Matter	
	Bt	1-23	10 YR 5/8 Clay Loam	III
4	O	0-1	Organic Matter	
	Bt	1-28	10 YR 6/8 Clay Loam pale @ 28"	III
5	O	0-1	Organic Matter	
	Bt	1-25	10 YR 5/8 Clay Loam with 2.5 YR 6/4 Mottles	III

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 _____ Lot Tract 5 D/F E

- A. Estimated Percolation Rate 60
- B. Trench bottom square feet
Required per bedroom
(from Table 4.6 based on Gravity LPD) 325 x 3= 975 ft²
- C. Number of Bedrooms 3

Area Calculations

- D. Length of trench 75 ft. Length of available area 75 ft.
- E. Width of trench N/A
- F. Number of trenches N/A
- G. Center-to-center spacing 2 ft.
- H. Width required 60 ft. Width of available area 60 ft.
- I. Total square footage required (BxC) 2925 x 1.5(Reserve)= 4388 ft²
- J. Square footage in design 60' x 75' 4500 ft²
- K. Is a reserve required? No Yes 1463 ft² at 5 Inches Deep(Drip)
- L. Slope Type: Side Slope
- M. Effluent must be treated to secondary standards prior to being dispersed