

Auction Tract 1

SETEC

SOIL AND ENVIRONMENTAL TECHNOLOGY, INC
111 N. Franklin Street, Christiansburg, VA 24073
Phone: 540-381-0309

General Information

Date: 8/13/02

Applicant: John Atkinson

Address: P.O. Box 10879 Southport NC 28461

Owner:

Location:

Subdivision: Stone Ridge Phase I

Address:

Lot: 10

Telephone No:

Health Department

Soil Information Summary

1. Position in landscape satisfactory Yes ☒ No Describe: Sideslope
2. Slope 24 %
3. Depth to rock\impervious strata: Max. Min. None ☒
4. Depth to seasonal water table (gray mottling or gray color) No ☒ Yes inches
5. Free water present No ☒ Yes range in inches
6. Soil percolation rate estimated Yes ☒ No Texture group 2 Estimated rate 40 Min/inch
7. Percolation test performed Yes Number of percolation test holes No ☒ Depth of percolation test holes Average percolation rate

Name and title of evaluator: Charles Nelson\David Hall\Bill Evans

Soil Scientist

Signature:

Charles Nelson

Department Use

Site Approved:

depth at site designated on permit.

Site Disapproved:

Reason for rejection:

- 1 Position in landscape subject to flooding or periodic saturation.
- 2 Insufficient depth of suitable soil over hard rock.
- 3 Insufficient depth of suitable soil over water table.
- 4 Rates of absorption too slow.
- 5 Insufficient area of acceptable soil for required drainfield, and/or reserve area
- 6 Proposed system too close to well
- 7 Other Specify:

Profile Description
SOIL EVALUATION REPORT

Date of Evaluation: 8/13/02

Health Department
Identification No.

x See application sketch

See construction permit

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Hole #	Horizon	Depth	Description	Texture Group
1	A	0-4	Dark Yellowish Brown (10YR 4/4) loam	2
	BA	4-15	Yellowish Brown (10YR 5/4) sandy loam	2
	Bt	15-40	Reddish Yellow (7.5YR 6/6) sandy clay loam	2
	BC	40-60	Brownish Yellow (10YR 6/6) gravelly sandy loam	2
2	A	0-4	Dark Yellowish Brown (10YR 4/4) sandy loam	2
	BA	4-16	Yellowish Brown (10YR 5/4) sandy loam	2
	Bt	16-26	Strong Brown (7.5YR 5/6) sandy clay loam	2
	BC	26-42	Yellowish Brown (10YR 5/6) gravelly sandy loam	2
	C	42-60	Light Yellowish Brown (10YR 6/4) sandy loam	2
3	A	0-4	Dark Yellowish Brown (10YR 4/4) sandy loam	2
	BA	4-18	Yellowish Brown (10YR 5/4) sandy loam	2
	Bt	18-32	Strong Brown (7.5YR 5/6) sandy clay loam	2
	BC	32-40	Yellowish Brown (10YR 5/6) gravelly sandy loam	2
	C	40-50	Light Yellowish Brown (10YR 6/4) sandy loam	2
4	A	0-4	Dark Yellowish Brown (10YR 4/4) loam	2
	BA	4-15	Yellowish Brown (10YR 5/4) sandy loam	2
	Bt	15-40	Reddish Yellow (7.5YR 6/6) sandy clay loam	2
	BC	40-60	Brownish Yellow (10YR 6/6) gravelly sandy loam	2

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**DRAINFIELD RECOMMENDATIONS
DESIGN BASIS & AREA CALCULATIONS**

Type of system	Gravity		
EPR	40	Reserve Area Required	NO
Slope %	24	Type of Reserve	N/A
# Bedrooms	4	Length of Reserve (feet)	N/A
Installed <24" from Rock or Other Impervious Strata	N/A	# Lines in Reserve	N/A
Area (Sq. ft.) required per bedroom	314	Square Footage in Reserve	N/A
Absorption Area Increase %	N/A	Backfilling Required	NO
Total Square ft. required (Main DF)	1256	Backfilling Depth (inches)	N/A
Line Length (feet)	75	Width required (Main DF)(ft.)	53
# Lines Installed	6	Width of Available Area (Main DF + Reserve) (ft.)	53
Installation Depth inches (into natural soil)	30	Length of Available Area (ft.)	75
Width of Trench (feet)	3	Square Footage in Design (Main DF + Reserve)	1350
Centers (feet)	10		