

### SOIL AND ENVIRONMENTAL TECHNOLOGY, INC 111 N. Franklin Street, Christiansburg, VA 24073

Phone: 540-381-0309

General Information													
Date: 8/29/0 Applicant: Address: Owner: Location: Subdivision:		2 John Atkinson P.O. Box 10879 Southport NC 28461					Telephone No:				o:	Health Department	
										28			
Soil Information Summary  1. Position in landscape satisfactory Yes x No Describe: Sideslope													
•.	1 OSITION II	i ianuscape satistac	югу		Yes	X	No		Desc	ribe:	Side	slope	
2.	Slope 1	8 %											
3.	Depth to r	ock\impervious stra	ata:	M	ax.	50+"	N	Ain.	37"		None		
4. Depth to seasonal water table (gray mottling or gray color)  No x Yes inches									inches				
5.	Free water	Free water present No x Yes range in inches											
6.	Soil perco	lation rate estimated	d	Yes	x	Text	ire grou	ıp	2				
				No		Estin	nated rat	te	45			Min/inch	
7.	Percolation	n test performed	Yes No	x	Depti	h of pe	percolat rcolation colation	n tes	t holes	es			
Name and title of evaluator: Charles Nelson\David Hall\Bill Evans Soil Scientist													
Signature: Charles Nelson/David Hall/Bill Evans Soil Scientist													
Department Use													

Site Approved:

depth at site designated on permit.

Site Disapproved:

### Reason for rejection:

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

## Profile Description SOIL EVALUATION REPORT

Date of Evaluation:

8/29/02

Health Department Identification No.

x See application sketch

See construction permit

Subdivsion: Stone Ridge

Lot: 28

Hole #	Horizon	Depth	Description	Texture
1	Ap	0-6	Dark Yellowish Brown (10YR 4/4) loam	Group
	Bt	6-40	Yellowish Brown (10YR 5/6) sandy clay loam	2
	C	40-48	Brownish Yellow (10YR 6/8) sandy loam	2 2
2	Ap	0-4	Dark Yellowish Brown (10YR 4/4) loam	2
	Bt	4-20	Yellowish Brown (10YR 5/6) loam	2
	BC	20-38	Yellowish Brown (10YR 5/6) gravelly loam; 15% coarse fragments	2 2
	С	38-50	Yellowish Brown (10YR 5/8) clay loam	3
3	Ap	0-5	Dark Yellowish Brown (10YR 4/4) loam	2
	Bt	5-34	Yellowish Brown (10YR 5/8) very gravelly sandy loam; 35% coarse fragments	2
	Cr	34-37	Brownish Yellow (10YR 6/6) through Light Gray (10YR 7/1) loamy sand; granitic saprolite	1
	R	37	Hard Rock	

Subdivision: Stone Ridge

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# DRAINFIELD RECOMMENDATIONS DESIGN BASIS & AREA CALCULATIONS

Type of system	Gravity with Microfast 500 GPD Pretreatment Unit					
EPR	45	Reserve Area Required	NO			
Slope %	18	Type of Reserve	N/A			
# Bedrooms Installed <24" from Rock or	3	Length of Reserve (feet)	N/A			
Other Impervious Strata Area (Sq. ft.) required per	N/A	# Lines in Reserve	N/A			
bedroom	344	Square Footage in Reserve	N/A			
Absorption Area Increase % Total Square ft. required	N/A	Backfilling Required	NO			
(Main DF)	1032	Backfilling Depth (inches)	N/A			
Line Length (feet)	70	Width required (Main DF)(ft.)	39			
# Lines Installed Installation Depth inches (into	5	Width of Available Area (Main DF + Reserve) (ft.)	39			
natural soil)	18	Length of Available Area (ft.) Square Footage in Design	70			
Width of Trench (feet)	3	(Main DF + Reserve)	1050			
Centers (feet)	9	(	1050			

Note: Effluent must be treated before being released into the drainfield.