

SETEC

General Information

Lot: 23

Telephone No:

Signature: Charles Nelson

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: 8/20/02

Health Department
Identification No.

x See application sketch

See construction permit

Subdivision: Stone Ridge

Lot: 23

Hole #	Horizon	Depth	Description	Texture Group
1	Ap	0-14	Brown (7.5YR 4/4) silt loam	3
	Bt	14-22	Strong Brown (7.5YR 5/6) silt loam	3
	BC	22-35	Brownish Yellow (10YR 6/6) gravelly silt loam	3
	C	35-48	Light Olive Brown (2.5Y 5/6) silt loam; many Gray (10YR 6/1) mottles	3
2	Ap	0-12	Brown (7.5YR 4/4) silt loam	3
	Bt	12-36	Strong Brown (7.5YR 5/6) silt loam	3
	BC	36-45	Brownish Yellow (10YR 6/6) gravelly silt loam; 15% coarse fragments	3
	C	45-50	Light Olive Brown (2.5Y 5/6) gravelly silt loam	3
3	Ap	0-14	Brown (7.5YR 4/4) silt loam	3
	Bt	14-26	Strong Brown (7.5YR 5/6) silt loam	3
	BC	26-38	Brownish Yellow (10YR 6/6) gravelly silt loam; 15% coarse fragments	3
	C	38-48	Light Olive Brown (2.5Y 5/6) gravelly silt loam	3
4 (Res)	Ap	0-14	Brown (7.5YR 4/4) silt loam	3
	Bt	14-34	Yellowish Brown (10YR 5/8) silt loam	3
	C	34-50	Light Olive Brown (2.5Y 5/6) gravelly silt loam common Fe stains; common Gray (10YR 6/1) mottles	3

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**DRAINFIELD RECOMMENDATIONS
DESIGN BASIS & AREA CALCULATIONS**

Type of system	Gravity with Microfast 500 GPD Pretreatment Unit		
EPR	60	Reserve Area Required	YES
Slope %	16	Type of Reserve	Microfast with drip
# Bedrooms	3	Length of Reserve (feet)	38
Installed <24" from Rock or Other Impervious Strata Area (Sq. ft.) required per bedroom	N/A	# Lines in Reserve	**
	450	Square Footage in Reserve	1824
Absorption Area Increase %	N/A	Backfilling Required	NO
Total Square ft. required (Main DF)	1350	Backfilling Depth (inches)	N/A
Line Length (feet)	75	Width required (Main DF)(ft.)	48
# Lines Installed	6	Width of Available Area (Main DF + Reserve) (ft.)	48
Installation Depth inches (into natural soil)	23	Length of Available Area (ft.)	113
Width of Trench (feet)	3	Square Footage in Design (Main DF + Reserve)	1350 (M), 1824 (Res)
Centers (feet)	9		

Note:

**See engineering design