

SETEC

General Information

Lot: 32

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: 8/29/02

Health Department
Identification No.

x See application sketch

See construction permit

Subdivision: Stone Ridge

Lot: 32

| Hole # | Horizon | Depth | Description | Texture Group |
|--------|---------|-------|--|---------------|
| 1 | Ap | 0-7 | Dark Yellowish Brown (10YR 4/4) loam | 2 |
| | BA | 7-14 | Yellowish Brown (10YR 5/6) loam | 2 |
| | Bt | 14-31 | Yellowish Brown (10YR 5/8) sandy clay loam | 2 |
| | C | 31-48 | Yellowish Brown (10YR 5/8) sandy clay loam; common Light Brownish Gray (10YR 6/2) mottles | 2 |
| 2 | Ap | 0-7 | Dark Yellowish Brown (10YR 4/4) loam | 2 |
| | Bt | 7-36 | Yellowish Brown (10YR 5/8) sandy clay loam | 2 |
| | C | 36-46 | Yellowish Brown (10YR 5/4) sandy loam | 2 |
| 3 | Ap | 0-4 | Dark Yellowish Brown (10YR 4/4) loam | 2 |
| | BA | 4-14 | Yellowish Brown (10YR 5/6) loam | 2 |
| | Bt | 14-36 | Yellowish Brown (10YR 5/8) sandy clay loam | 2 |
| | C | 36-48 | Strong Brown (7.5YR 5/8) clay loam; common Light Brownish Gray (10YR 6/2) mottles | 3 |

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**DRAINFIELD RECOMMENDATIONS
DESIGN BASIS & AREA CALCULATIONS**

| | | | |
|--|------------------------------|--|------|
| Type of system | MicroFast 500 GPD \ Trenches | | |
| EPR | 45 | Reserve Area Required | NO |
| Slope % | 6 | Type of Reserve | N/A |
| # Bedrooms | 3 | 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 | 344 | Square Footage in Reserve | N/A |
| Absorption Area Increase % | N/A | Backfilling Required | YES |
| Total Square ft. required (Main DF) | 1032 | Backfilling Depth (inches) | 13 |
| Line Length (feet) | 50 | Width required (Main DF)(ft.) | 57 |
| # Lines Installed | 7 | Width of Available Area (Main DF + Reserve) (ft.) | 57 |
| Installation Depth inches (into natural soil) | 18 | Length of Available Area (ft.) | 50 |
| Width of Trench (feet) | 3 | Square Footage in Design (Main DF + Reserve) | 1050 |
| Centers (feet) | 9 | | |

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