DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

4860-65-6435

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell

# SOIL/SITE EVALUATION
## for ON-SITE WASTEWATER SYSTEM

OWNER: TERRY LITTLE APPLICATION DATE 7-15-04
ADDRESS: 118 DINER LN STATESVILLE 28625 DATE EVALUATED: 7-28-04
PROPOSED FACILITY: 3 BR PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: 0.5 8-11-04
LOCATION OF SITE: 2IN @ TABOR (R) FORNEY AT CORNER OF PROPERTY RECORDED: Yes
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other FORNEY & SHEARIN
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed FORNEY ACRES LOT #7

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | L | 0-3 | wk sbk scl | vfr ss/sp sexp | — | 42 | — | — | PS .3 |
| | | 3-20 | mo abk C | fr s/p | | | | | |
| | | 20-42 | mo sbk C+sap | fr s/p | | | | | |
| | | 42+ | sl ma sap | L | | | | | |
| 2 | L | 0-3 | wk sbk scl | | — | >48 | — | — | PS .3 |
| | | 3-15 | mo abk C | fr s/p sexp | | | | | |
| | | 15-48 | mo sbk C+sap | fr s/p | | | | | |
| 3 | L | 0-6 | wk sbk scl | | — | >48 | — | — | PS .3 |
| | | 6-42 | mo abk C | fr s/p sexp | | | | | |
| | | 42-48 | mo sbk C+sap | vfr s/sp sexp | | | | | |
| 4 | L | 0-5 | wk gr sl | | — | >48 | — | — | PS .3 |
| | | 5-36 | mo abk C | fr s/p sexp | | | | | |
| | | 36-48 | mo sbk C+sap | vfr s/sp sexp | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | GRAVITY 25% | PUMP CONV. |
| Site LTAR | 0.3 | 0.3 |

OTHER FACTORS (.1946): @ MUST COMBINE W/ LOT 6
SITE CLASSIFICATION (.1948): 1
EVALUATED BY: CS
OTHER(S) PRESENT: TERRY LITTLE

COMMENTS:

# LEGEND

***use the following standard abbreviations***

| LANDSCAPE POSITION | GROUP | SOIL TEXTURE | CONVENTIONAL .1955 LTAR* | LPP .1957 LTAR* |
|---|---|---|---|---|
| CC (Concave Slope)<br>CV (Convex Slope)<br>D (Drainage Way)<br>DS (Debris Slump)<br>FP (Flood Plain)<br>FS (Foot Slope)<br>H (Head Slope)<br>L (Linear Slope)<br>N (Nose Slope)<br>R (Ridge)<br>S (Shoulder Slope)<br>T (Terrace) | I | S (Sand)<br>LS (Loamy Sand) | 1.2 - 0.8 | 0.6 - 0.4 |
| | II | SL (Sandy Loam)<br>L (Loam) | 0.8 - 0.6 | 0.4 - 0.3 |
| | III | SCL (Sandy Clay Loam)<br>SiL (Silt Loam)<br>CL (Clay Loam)<br>SiCL (Silty Clay Loam)<br>Si (Silt) | 0.6 - 0.3 | 0.3 - 0.15 |
| | IV | SC (Sandy Clay)<br>SiC (Silty Clay)<br>C (Clay)<br>O (Organic) | 0.4 - 0.1<br>None | 0.2 - 0.05 |

| MINERALOGY/ CONSISTENCE | STRUCTU |
|---|---|
| NEXP (Non-expansive) | G (Single Grain) |
| SEXP (Slightly Expansive) | M (Massive) |
| EXP (Expansive) | CR (Crumb) |
| | GR (Granular) |
| | SBK (Subangular Blocky, |
| | ABK (Angular Blocky) |
| | PL (Platy) |
| | PR (Prismatic) |

| MOIST | WET |
|---|---|
| VFR (Very Friable) | NS (Non-sticky) |
| FR (Friable) | SS (Slightly Sticky) |
| FI (Firm) | S (Sticky) |
| VFI (Very Firm v. Very Sticky) | VS (Very Sticky) |
| EFI (Extremely Firm) | NP (Non-plastic) |
| | SP (Slightly Plastic) |
| | P (Plastic) |
| | VP (Very Plastic) |

***Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.**

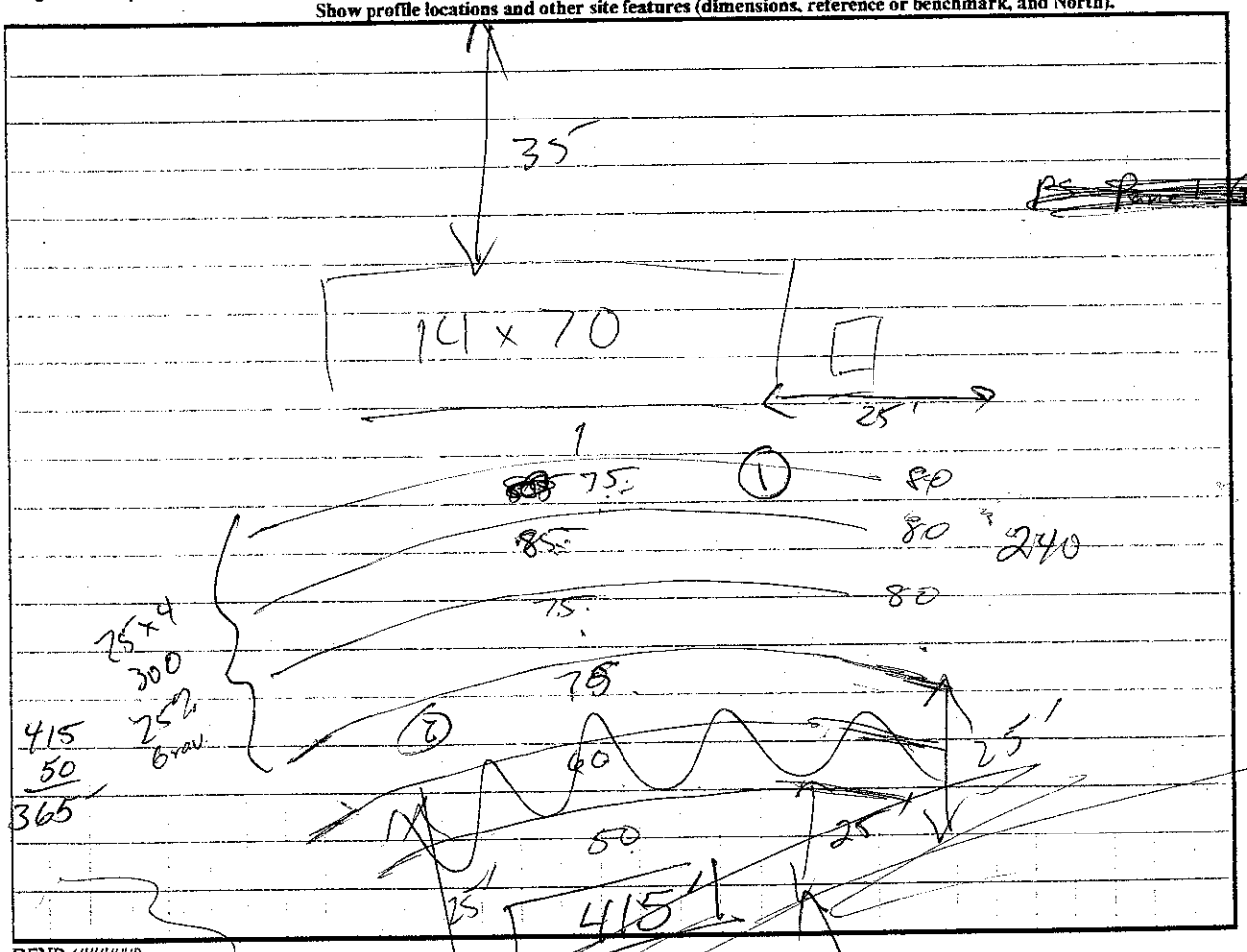
***NOTES***

| | |
|---|---|
| *HORIZON DEPTH* | In inches below natural soil surface |
| *DEPTH OF FILL* | In inches from land surface |
| *RESTRICTIVE HORIZON* | Thickness and depth from land surface |
| *SAPROLITE* | S(suitable) or U(unsuitable) |
| *SOIL WETNESS* | Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation |
| *CLASSIFICATION* | S (Suitable), PS (Provisionally Suitable), or U (Unsuitable) |

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft$^2$

**Show profile locations and other site features (dimensions, reference or benchmark, and North).**




DENR (######)
Review (#####)