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

152607
4776816462

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

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

OWNER: WCU INC APPLICATION DATE 9-5-08
ADDRESS: 1712 Ogden Rd RD Statesville DATE EVALUATED: 9-17-08
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: .7
LOCATION OF SITE: Sage Forest - 64E TL - SWPAW RD Sagefield PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LAND-SCAPE POSITION/ SLOPE % | HORI-ZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE | .1941 CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2% | 0-12 | SC WSBL | SSSPSexFf | Light | 48 | | | .25 |
| | | 12-30 | CWSBL | SSSPSexPf | | | | | |
| | | 30-5 | C ABL | SSSPSexPf | | | | | |
| 2 | 2% | 0-11 | SCWSBL | SSSPSexFr | Light | 48 | | | .25 |
| | | 11-32 | CWSBL | SSSPSexPl | | | | | |
| | | 32-48 | C ABL | SSSPSexFr | | | | | |
| 3 | 2% | 0-10 | SCWSBL | SSSPSexFr | Light | 48 | | | .25 |
| | | 10-30 | CWSBL | SSSPSexFr | | | | | |
| | | 30-58 | C ABL | SSSPSexPl | | | | | |
| 4 | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 140 360 | 140 360 |
| System Type(s) | 256 G | 256 G/P |
| Site LTAR | .25 | .25 |

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Kelly Cox
OTHER(S) PRESENT: _____

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.**

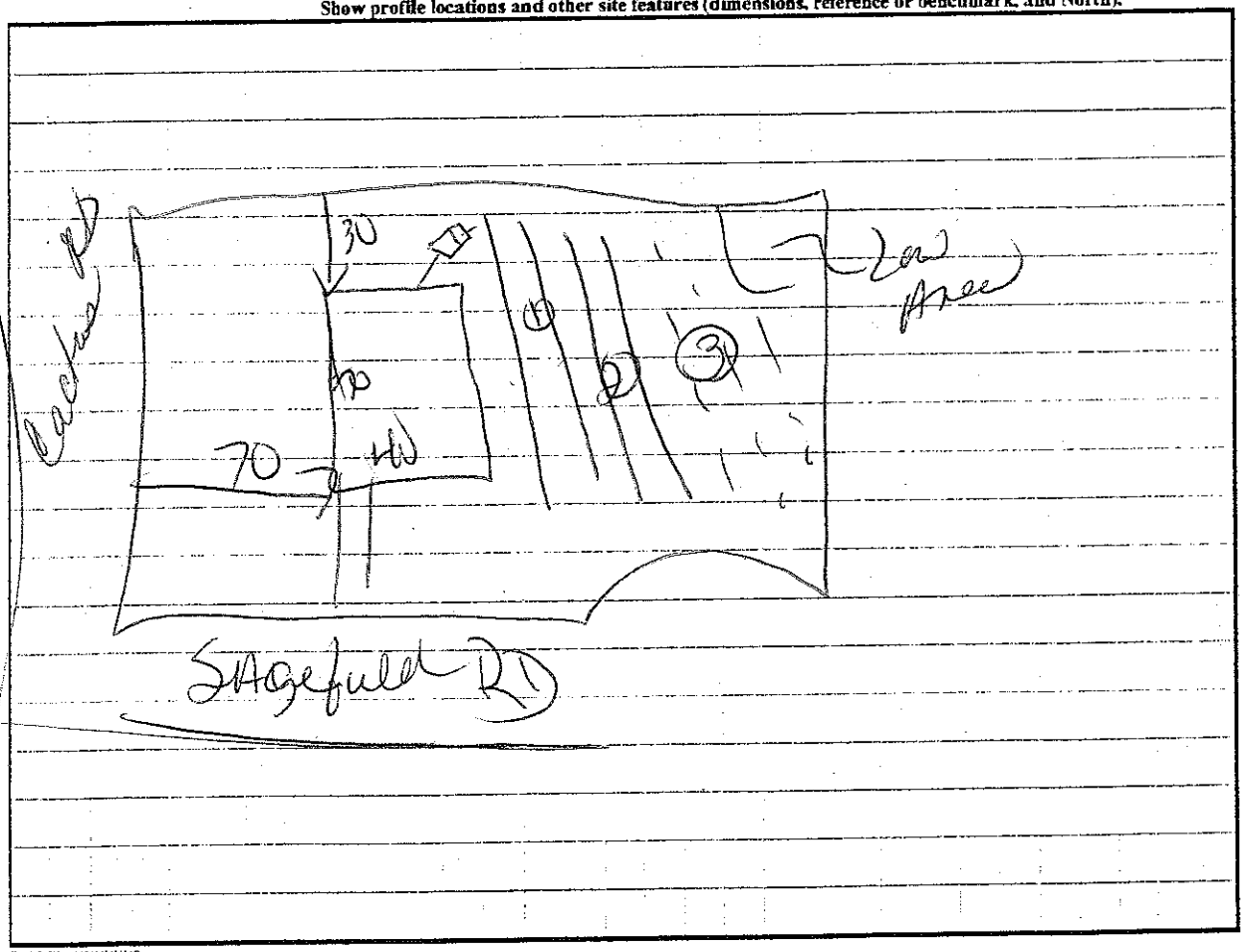
***NOTES***

| | |
|---|---|
| *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 (#####)