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

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

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

OWNER: Julie Bennet
ADDRESS: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____
LOCATION OF SITE: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut

APPLICATION DATE 7-1-04
DATE EVALUATED: _____
PROPERTY SIZE: _____
PROPERTY RECORDED: _____
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON 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 | | 0-11 | C vfsbk | SSSPS4PL | mottled | | | | PS .25 |
| | | 11-48 | C vfABk | SSSPS4PFr | | | | | |
| 2 | | 0-7 | SC WSBk | SSSPS4PL | | | | | PS .25 |
| | | 7-36 | C MSBk | SSSPS4PFr | | | | | |
| | | 36-48 | C SBk | SSSPS4PL | | | | | |
| 3 | | 0-9 | C vfSBk | SSSPS4PL | mottled yellow | | | | PS .25 |
| | | 9-48 | C ABk | SSSPS4PL | | | | | |
| 4 | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | 1440 360 | 1440 360 |
| System Type(s) | 25% | 25% |
| Site LTAR | .25 | .25 |

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

COMMENTS: _____

# LEGEND

***use the following standard abbreviations***

| LANDSCAPE POSITION | GROUP | SOIL TEXTURE | CONVENTIONAL .1955 LTAR* | LPP .1957 LTAR* | MINERALOGY/ CONSISTENCE | STRUCTURE |
|---|---|---|---|---|---|---|
| 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 | NEXP (Non-expansive)<br>SEXP (Slightly Expansive)<br>EXP (Expansive) | G (Single Grain)<br>M (Massive)<br>CR (Crumb)<br>GR (Granular)<br>SBK (Subangular Blocky)<br>ABK (Angular Blocky)<br>PL (Platy)<br>PR (Prismatic) |
| | II | SL (Sandy Loam)<br>L (Loam) | 0.8 - 0.6 | 0.4 - 0.3 | | |
| | III | Si (Silt)<br>SiCL (Silty Clay Loam)<br>CL (Clay Loam)<br>SCL (Sandy Clay Loam)<br>SiL (Silt Loam) | 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><br><br>None | 0.2 - 0.05<br><br><br>None | **MOIST**<br>VFR (Very Friable)<br>FR (Friable)<br>FI (Firm)<br>VFI (Very Firm v. Very Sticky)<br>EFI (Extremely Firm) | **WET**<br>NS (Non-sticky)<br>SS (Slightly Sticky)<br>S (Sticky)<br>VS (Very Sticky)<br>NP (Non-plastic)<br>SP (Slightly Plastic)<br>P (Plastic)<br>VP (Very Plastic) |

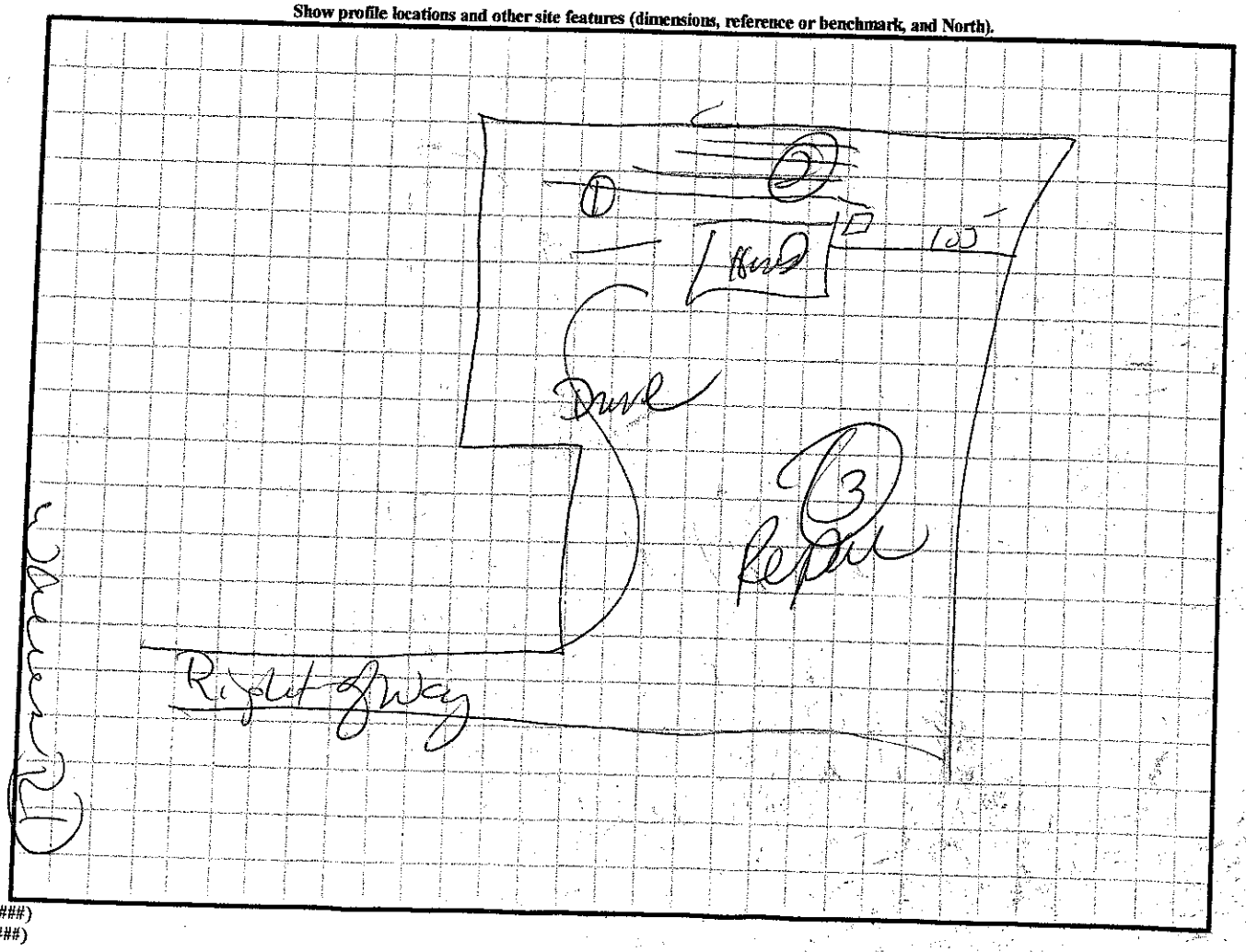
*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

***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/ft²

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




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