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: Chris Ostwalt
ADDRESS: _____ APPLICATION DATE _____
PROPOSED FACILITY: Residential PROPOSED DESIGN FLOW (.1949): _____ DATE EVALUATED: 7-18-05
LOCATION OF SITE: 548 E Monbo Rd. PROPERTY SIZE: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____ PROPERTY RECORDED: _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut 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 |
|---|---|---|---|---|---|---|---|---|---|
| 5 | (front of house) linear 5% | 0-10 | rsbk cl | fr | | 48 | | | .3 |
| | | 10-27 | 1sbk c | fr ss sp se | | | | | |
| | | 27-36 | 1sbk cl | fr | | | | | |
| | | 36-48 | 1sbk cl+sap | fr | | | | | |
| 6 | | 0-9 | 1 gr sl | | | 48 | | | .25 |
| | | 9-32 | 1sbk cl | yellow/brown mottles | | | | | |
| | | 32-48 | cl+sap | | | | | | |
| 7 | (front house) Linear | 0-10 | 1sbk cl | fr | | 48 | | | .3 |
| | | 10-30 | 1sbk c | fr ss/sp/se | | | | | |
| | | 30-48 | 1sbk c+sap | | | | | | |
| 4 | | | | | | | | | |

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____
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 | | |
| | | | | | **MOIST** | **WET** |
| | IV | SC (Sandy Clay)<br>SiC (Silty Clay)<br>C (Clay) | 0.4 - 0.1 | 0.2 - 0.05 | VFR (Very Friable)<br>FR (Friable)<br>FI (Firm)<br>VFI (Very Firm v. Very Sticky) | NS (Non-sticky)<br>SS (Slightly Sticky)<br>S (Sticky)<br>VS (Very Sticky) |
| | | O (Organic) | None | None | EFI (Extremely Firm) | 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.

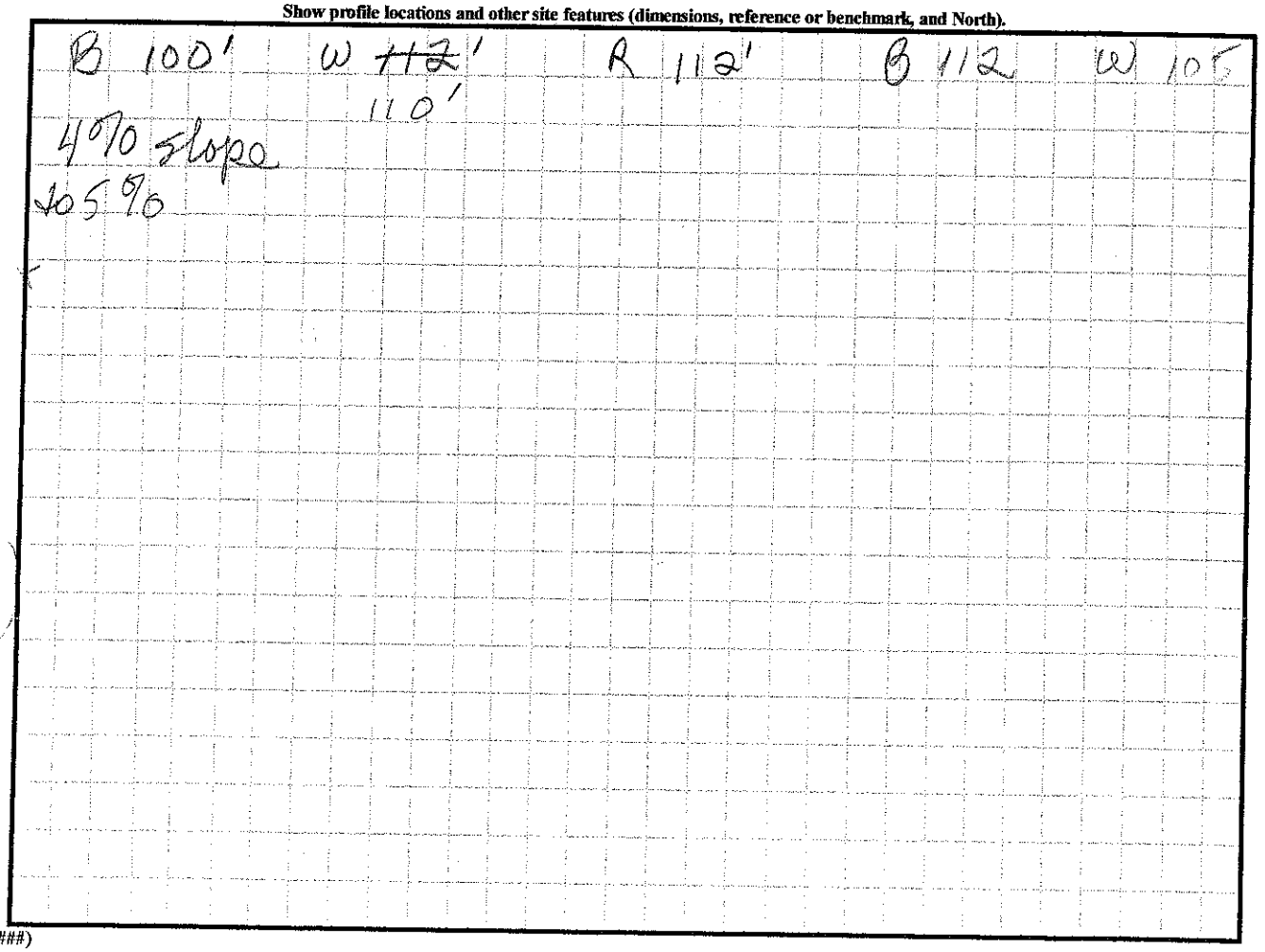
***NOTES***

| | |
|---|---|
| *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/ft$^2$

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




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

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

OWNER: Chris Ostwalt
ADDRESS: _____ APPLICATION DATE _____
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.1949): 480 gpd DATE EVALUATED: 7-15-05
LOCATION OF SITE: old mtn. Rd. to E. monbo (548) PROPERTY SIZE: 3.0 AC
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____ PROPERTY RECORDED: _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

| 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 | OTHER PROFILE FACTORS .1943 SOIL DEPTH | OTHER PROFILE FACTORS .1956 SAPRO CLASS | OTHER PROFILE FACTORS .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Ridge side of house | 0-15 | 1sbk c | fr SS/sp SE | | 33 | | | |
| | | 15-33 | 1sbk c+sap | fr SS/sp SE | | | | | |
| | | 33 | sap. | | | | | | |
| 2 | Shoulder 5% front house | 0-30 | 2sbk c | fr SE | | 48 | | | .3 |
| | | 30-48 | 1sbk c+sap | fr SE | | | | | |
| 3 | Shoulder back of house | 0-22 | 1sbk c+sap | | | 22 | | | |
| | | 22 | sap | | | | | | |
| 4 | back of house linear | 0-15 | 1sbk c | | | 28 | | | |
| | | 15-28 | c+sap | | | | | | |
| | | 28 | sap | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | yes | yes |
| System Type(s) | conv. gravity | conv. or 25% red. |
| Site LTAR | .3 | .3 |

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Judy Melville
OTHER(S) PRESENT: _____

COMMENTS: soil wetter in #3 than 1 & 2

# LEGEND

***use the following standard abbreviations***

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| | | | | | **MOIST** | **WET** |
| | IV | SC (Sandy Clay)<br>SiC (Silty Clay)<br>C (Clay) | 0.4 - 0.1 | 0.2 - 0.05 | VFR (Very Friable)<br>FR (Friable)<br>FI (Firm)<br>VFI (Very Firm v. Very Sticky)<br>EFI (Extremely Firm) | 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) |
| | | O (Organic) | None | None | | |

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

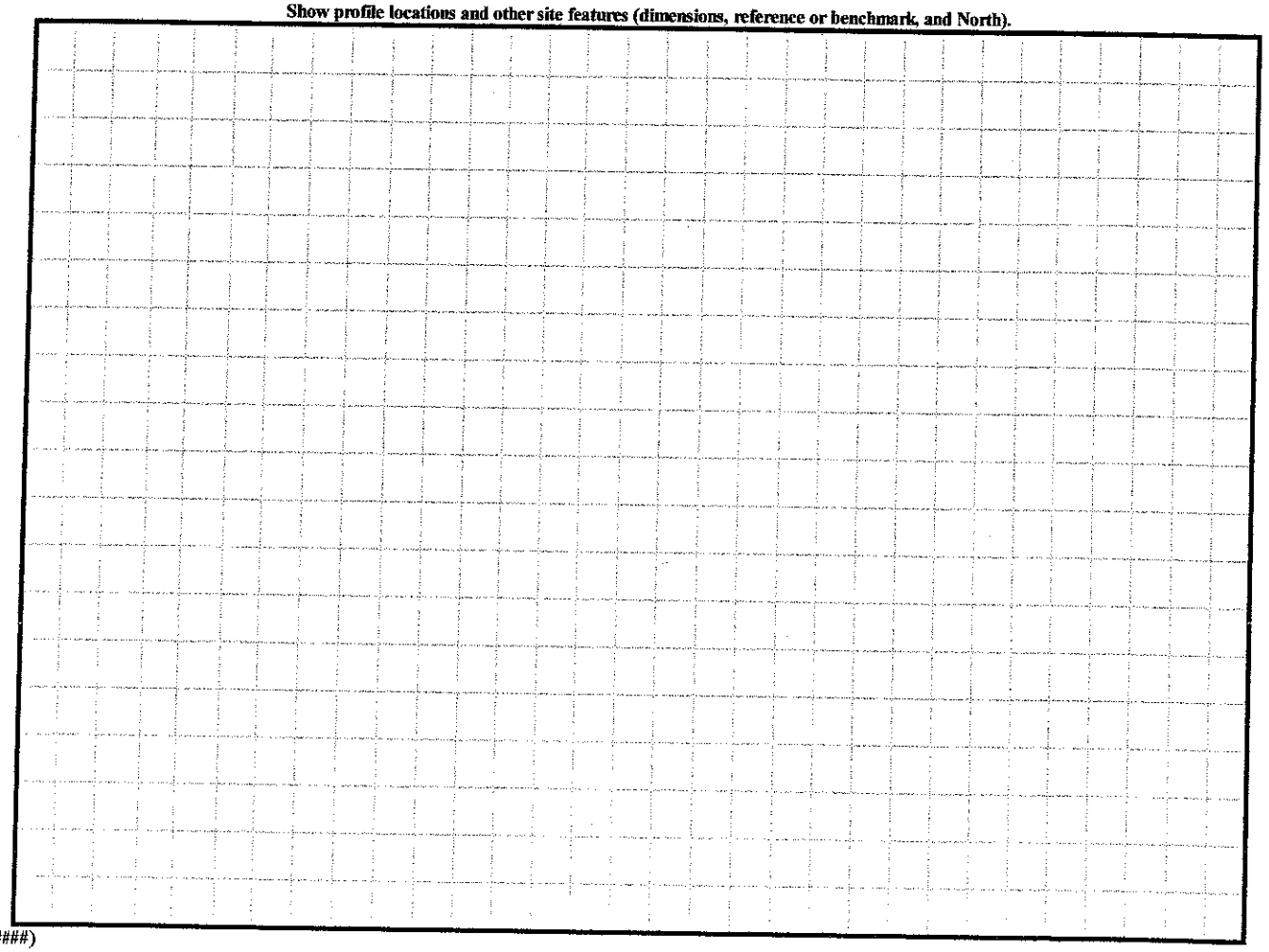
***NOTES***

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|---|---|
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| *DEPTH OF FILL* | In inches from land surface |
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**Show profile locations and other site features (dimensions, reference or benchmark, and North).**



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