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

Sheet ___ of ___
PROPERTY ID #: 131984
COUNTY: 47235 28165

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

Applicat
OWNER: DAVID MEEHAN
ADDRESS: 105 GALAX DR STATESVILLE NC 28677
PROPOSED FACILITY: 3BR HSE PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: GLEN ABBEY LOT 57

APPLICATION DATE 7/24/07
DATE EVALUATED: 11/8/07
PROPERTY SIZE: .78A
PROPERTY RECORDED: YES

WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1940 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE | SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY | OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR | .1943 SOIL DEPTH | .1956 SAPRO CLASS | .1944 RESTR HORIZ | PROFILE CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 10% L | 0-6 | scl wkgr | f nsnpnmp | | | | | PS .3 |
| | | 6-36 | cmd sbk | f ss sp ss | | | | | |
| | | 36-48 | c wk sbk | f ss sp ss | | | | | |
| 2 | 10% L | 0-6 | scl wkgr | f nsnpnmp | Loose 4" to 10% slope | | | | PS .3 |
| | | 6-36" | cmd sbk | fr ss sp ss | 36-12-4 = 20" TPS | | | | |
| | | 36-48" | saprolite | | | 36" | 50' | WELL SEPTIC | |
| 3 | | | | | | | | | |
| 4 | | | | | | | | | |
| 5 | 60% L | 0-3 | scl wkgr | f nsnpnmp | | | | | PS .3 |
| | | 3-48" | cmd sbk | f ss sp snp | sap inclusions 25% 36-48" | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | YES | YES |
| System Type(s) | PUMP 25 | LPP 50% |
| Site LTAR | .3 | .3 |

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. COOK
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)<br>O (Organic) | 0.4 - 0.1<br><br><br>None | 0.2 - 0.05<br><br><br>None | 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) |

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

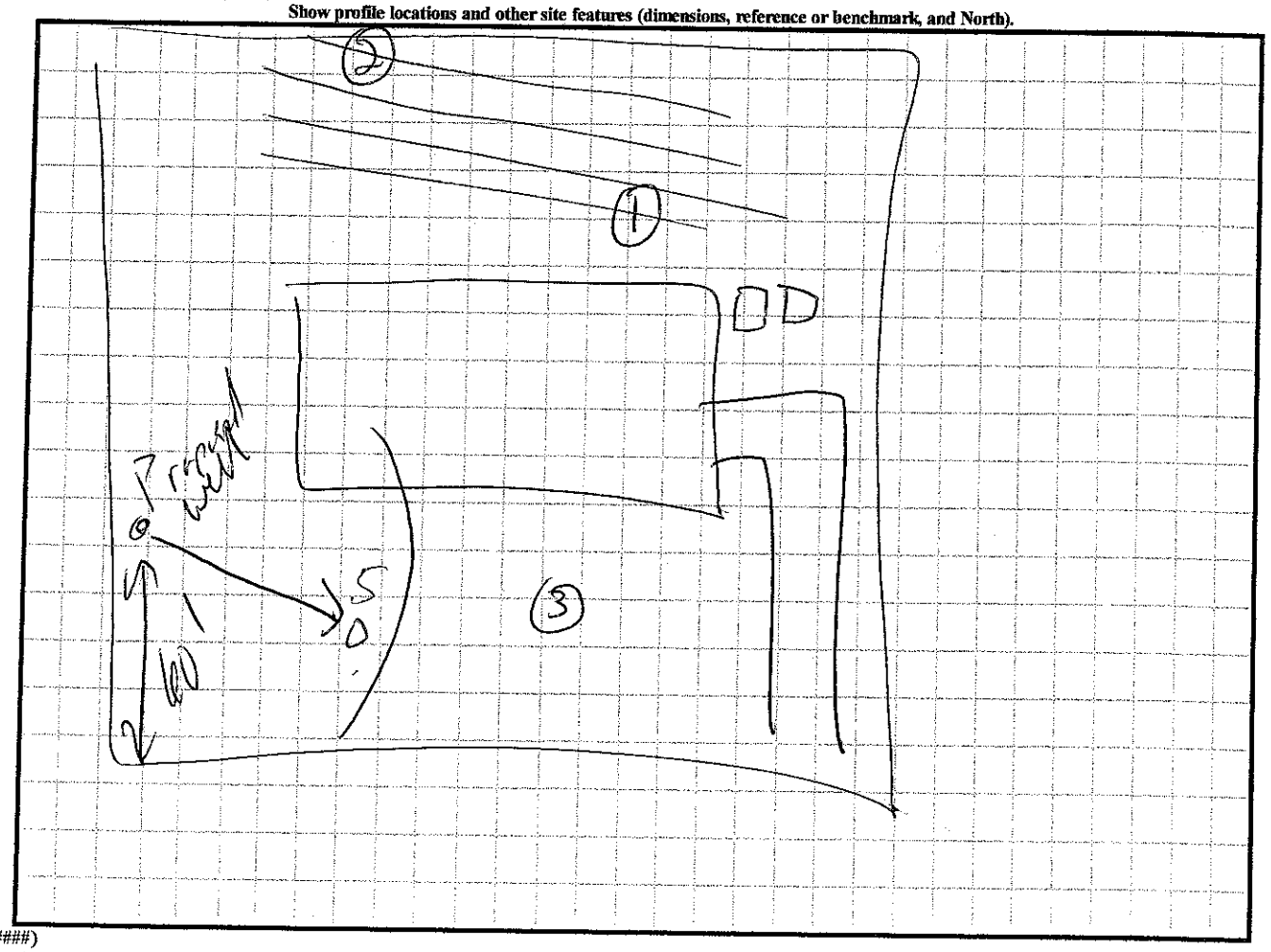
***NOTES***

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

SHEET ____ OF ____

DEPARTMENT OF ENVIRONMENT,
HEALTH & NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

DRAFT

PROPERTY I.D.#: ____
DATE: 8-15-95
COUNTY: ____

# SOIL SITE EVALUATION FOR
## ON-SITE WASTEWATER SYSTEM

APPLICANT: Bud Nash
ADDRESS: ____

OWNER ___ AGENT: ___ PHONE: ____
APPLICATION DATE: ____ DATE EVALUATED 8-15-95
PROPOSED FACILITY: 3 Bedroom House
PROPERTY SIZE: ____

LOCATION OF SITE: Lot #57 Glen Ridge S/D
WATER SUPPLY: On-site Well ✓ Comm. Well ___ Public ___ Other ___ EVAL. METHOD: Auger Boring ✓ Pit ___ Cut ___

| PROFILE # | .1940 LANDSCP POS./ SLOPE(%) | HORIZON DEPTH (IN.) | .1941 (a)(1) TEXTURE | .1941 (a)(2) STRUCTURE | .1941 (a)(3) MINEROLOGY | MATRIX COLOR | MOTTLE COLOR | OTHER PROFILE FACTORS |
|---|---|---|---|---|---|---|---|---|
| 1 | 8-10% | 0-6" | l | gr | 1:1 / fr | | | .1942 Wetness Cond. - 5 |
| | L | 6"-42" | c | Abk | 1:1 / fi | | | .1943 Depth/.1956 Sapr. - NA |
| | | 42"-48" | c/sap. | Abk/m | 1:1 / fi | | | .1944 Restrictive Hori. - NA |
| | | | | | | | | .1948 Profile Class. - P.S |
| | | | | | | | | Profile LTAR - .3 |
| 2 | 8-10% | 0-5" | l | gr | 1:1 / fr | | | .1942 Wetness Cond. - 5 |
| | L | 5"-30" | c | Abk | 1:1 / fi | | | .1943 Depth/.1956 Sapr. - 37" P.S |
| | | 30"-37" | c/sap | Abk/m | 1:1 / fi | | | .1944 Restrictive Hori. - NA |
| | | 37"-48" | Sap | m | fi | | | .1948 Profile Class. - P.S |
| | | | | | | | | Profile LTAR - .3 |
| 3 | 8-10% | 0-5" | l | gr | 1:1 / fr | | | .1942 Wetness Cond. - 5 |
| | L | 5"-28" | c | Abk | 1:1 / fi | | | .1943 Depth/.1956 Sapr. - 39" P.S |
| | | 28"-39" | c/sap. | Abk/m | 1:1 / fi | | | .1944 Restrictive Hori. - NA |
| | | 39"-48" | Sap. | m | fi | | | .1948 Profile Class. - P.S |
| | | | | | | | | Profile LTAR - .3 |
| 4 | 8-10% | 0-4" | l | gr | 1:1 / fr | | | .1942 Wetness Cond. - 5 |
| | L | 4"-31" | c | Abk | 1:1 / fi | | | .1943 Depth/.1956 Sapr. - 44" P.S. |
| | | 31"-44" | c/sap. | Abk/m | 1:1 / fi | | | .1944 Restrictive Hori. - NA |
| 8-21-95 | | 44"-48" | Sap. | m | fr | | | .1948 Profile Class. - P.S |
| | | | | | | | | Profile LTAR - .3 |

AVAILABLE SPACE (.1945) 5 OTHER FACTORS (.1946) ____ SITE CLASSIFICATION (.1948) P.S.

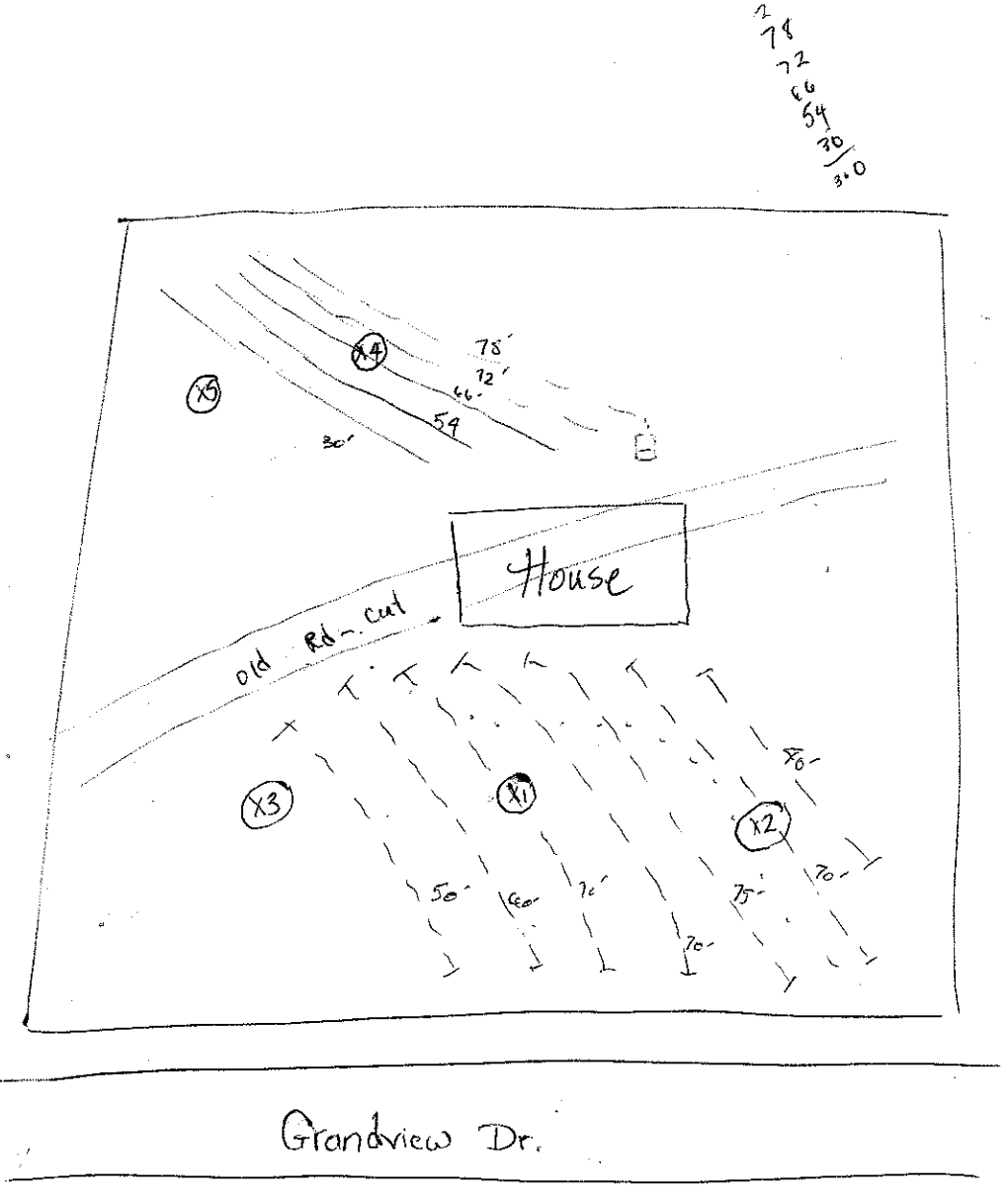
SYSTEM TYPE Chambered Gravelless System LONG-TERM ACCEPTANCE RATE(S) .3 gpd/ft²

EVALUATED BY: Michael J. Dennis OTHER(S) PRESENT: Brady Freeman

COMMENTS:

J.C. Moore gave 2nd opinion on 8-21-95. Bud Nash present. Holes #4 & #5 dug that day.

| | | | | | |
|---|---|---|---|---|---|
| (15) | 0-5" | l | gr | I:I / fr | S |
| | 5"-36" | c | Abk | I:I / fi | 42" P.S. |
| 8-21-95 | 36"-42" | c/sap. | Abk/m | I:I / fi | NA |
| | 42"-48" | sap. | m | fi | P.S |
| | | | | | -3 |




435' total