DEPARTMENT OF ENVIRONMENT, HEALTH, 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: James Ahner APPLICANT: Rich Wilson
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 01/07/03
PROPOSED FACILITY: 3 BR HOME PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: 0.855 ACRES
LOCATION OF SITE: LOT #54 Glenn Ridge PROPERTY RECORDED: _____
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) .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 | | 0-20 | sbk/abk, C | FI, S, SP | | | ? PITS | | PS 0.30 |
| | | 20-35 | C + SAP MIX | ≤ 50% SAP | | | | | |
| | | 35-48 | SAPROLITE | | | | | | |
| 2 | | 0-18 | sbk/abk, C | S, P | | | | | Pits or PS 0.30 <18" |
| | | 18-30 | C + SAP MIX | < 50% SAP | | | | | |
| | | 30-48 | SAP. | | | | | | |
| 3 | | 0-7 | sbk, SCL | SS, SP | — | SAP INCLUSIONS | | | Pits |
| | | 7-18 | sbk/abk, C | S, P, SexP | | | | | |
| | | 18-48 | C + SAP MIX | ≥ 50% SAP | | | | | |
| 4 | | 0-8 | SCL | SS, SP | — | W/ SAP INCLUSIONS | | | PS 0.30 <32" |
| | | 8-44 | sbk/abk, C | S, P, SexP | | | PITS ? | | |
| | | 44-48 | C + SAP MIX | ≥ 50% SAP | | | | | |

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Patrick Mitchell
OTHER(S) PRESENT: _____

# LEGEND

*use the following standard abbreviations*

| LANDSCAPE POSITION | GROUP | SOIL TEXTURE | CONVENTIONAL .1955 LTAR | LPP .1957 LTAR | MINERALOGY/ CONSISTENCE | STRUCTURE |
|---|---|---|---|---|---|---|
| CC (Concave Slope) | I | S (Sand) | 1.2 - 0.8 | 0.6 - 0.4 | NEXP (Non-expansive) | G (Single Grain) |
| CV (Convex Slope) | | LS (Loamy Sand) | | | SEXP (Slightly Expansive) | M (Massive) |
| D (Drainage Way) | | | | | EXP (Expansive) | CR (Crumb) |
| DS (Debris Slump) | II | SL (Sandy Loam) | 0.8 - 0.6 | 0.4 - 0.3 | | GR (Granular) |
| FP (Flood Plain) | | L (Loam) | | | | SBK (Subangular Blocky) |
| FS (Foot Slope) | | | | | | ABK (Angular Blocky) |
| H (Head Slope) | III | SI (Silt) | 0.6 - 0.3 | 0.3 - 0.15 | | PL (Platy) |
| L (Linear Slope) | | SICL (Silty Clay Loam) | | | | PR (Prismatic) |
| N (Nose Slope) | | CL (Clay Loam) | | | | |
| R (Ridge) | | SCL (Sandy Clay Loam) | | | MOIST | WET |
| S (Shoulder Slope) | | SLC (Silt Loam Clay) | | | | |
| T (Terrace) | | | | | VFR (Very Friable) | NS (Non-sticky) |
| | IV | SC (Sandy Clay) | 0.4 - 0.1 | 0.2 - 0.05 | FR (Friable) | SS (Slightly Sticky) |
| | | SIC (Silty Clay) | | | FI (Firm) | S (Sticky) |
| | | | | | VFI (Very Firm v. Very Sticky) | VS (Very Sticky) |
| | | O (Organic) | None | | EFI (Extremely Firm) | NP (Non-plastic) |
| | | | | | | SP (Slightly Plastic) |
| | | | | | | P (Plastic) |
| | | | | | | VP (Very Plastic) |

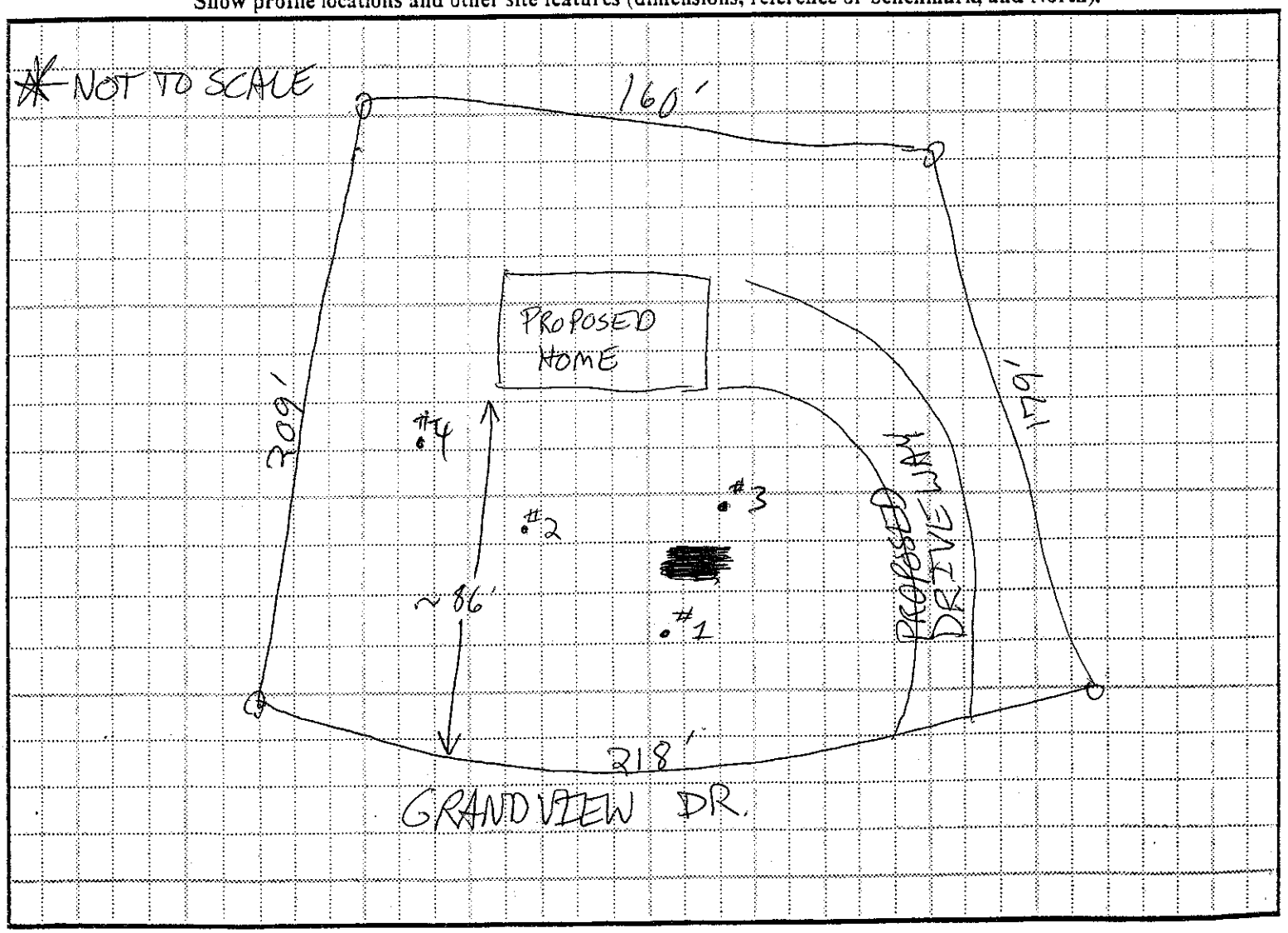
*NOTES*

| | |
|---|---|
| *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).**



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|---|---|---|---|---|---|---|---|---|---|
| 1 | | 0-12 | sbk, C | Fr/Fi, S,P, SexP | (SAP INCLUSIONS < 50% SAP) | | | | 0.30 |
| | | 12-36 | C + SAP Mix | Fr, S,P (<50% SAP) | | | | | |
| | | 36-57 | SAPROLITE | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 2 | | 0-26 | sbk, C | Fr/Fi, S,P, SexP | | | | | 0.30 |
| | | 26-50 | SAP w/ C Mixed in | (≥50% SAP) | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| [redacted] | OTHER SIDE OF | PIT #1 | | | | | | | |
| | | 0-29 | C w/ SAP INCLUSIONS | (<50% SAP) | | | | | 0.30 |
| | | 29-57 | C + SAP | (≥50% SAP) | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| 4 | | | | | | | | | |
| | | | | | | | | | |
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| | | | | | | | | | |

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