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: Bradley Sorrell APPLICANT: Bradley Sorrell
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 8/4/08
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Hwy 211 (R) Fort Bragg Rd 1st drive to (R) past Ft. Bragg PROPERTY RECORDED: Property on Left
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 | PROFIL. CLASS & LTAR |
|---|---|---|---|---|---|---|---|---|---|
| 1 | L Concave 10% | 0-6 | L | Fi | | | | | PS .30 |
| | | 6-24 | SL w/ SCL Heavy mixture | Fi SSSP SSSP | | | | | |
| | | 24-48 | SL | VFi NS NP NS NP | | | | | |
| 2 | L Concave 12% | 0-14 | SCL | Fi SS NP | | | | | PS -30 |
| | | 14-24 | SL | Fi SS SP | | | | | |
| | | 24-38 | C/CL | Fi SS SP | | | | | |
| | | 38-48 | C w/ SCL Mix | Fi SS P | | | | | |
| 3 | Linear Concave 10% | 0-3 | SCL L Gravel | Fr SS NP SSP | | | | | PS -30 |
| | | 3-11 | SC SCL Gravel | Fr/Fi | | | | | |
| | | 11-48 | SC w/ Mica/SAP SCL Gravel | Fr SS NP SSP | 10YR 6/1 w/ 10YR 5/6 | | | | |
| 4 | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | Trench Conv | Trench, 25% Red |
| Site LTAR | .30 | .30 |

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Bill Johnson
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)<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>SLC (Silt Loam Clay) | 0.6 - 0.3 | 0.3 - 0.15 | | |
| | | | | | **MOIST** | **WET** |
| | IV | SC (Sandy Clay)<br>SIC (Silty 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 | | EFI (Extremely Firm) | NP (Non-plastic)<br>SP (Slightly Plastic)<br>P (Plastic)<br>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/ft$^2$

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

