

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Carmen Hernandez DATE EVALUATED: 3-27-23
ADDRESS: 47 Pancharaig St, Fuquay
PROPOSED FACILITY: SFD 35x54 PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: Public Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: _____
EVALUATION METHOD: Auger Boring Pit Cut TYPE OF WASTEWATER: Domestic High Strength IPWW

| P R O F I L E # | .0502 LANDSCAPE POSITION/ SLOPE % | HORIZON DEPTH (IN.) | SOIL MORPHOLOGY | | OTHER PROFILE FACTORS | | | | .0509 PROFILE CLASS & LTAR* | .0503 SLOPE CORRE CTION |
|--|--|---------------------------|--------------------------------|-------------------------------------|------------------------------------|------------------------|-------------------------|-------------------------|--------------------------------------|----------------------------------|
| | | | .0503 STRUCTURE/ TEXTURE | .0503 CONSISTENCE/ MINERALOGY | .0504 SOIL WETNESS/ COLOR | .0505 SOIL DEPTH | .0506 SAPRO CLASS | .0507 RESTR HORIZ | | |
| 1 | 12-13% LS | 0-4 | SL, gr | | | | | | | |
| | | 4-17 | SL, ^W SBK | | | | | 34" H: + ROCKS | .35 | |
| | | 17-34 | SL, SBK | Fr, BS, NP, SE | | 34" | | | | |
| | | 34-AR ^{Rock} | | | | | | | | |
| 2 | 12-13% LS | 0-6 | SL, gr | | | | | | | |
| | | 6-27 | SL, ^W SBK | | | | | 34" H: + ROCKS | .33 | |
| | | 27-34 | SL, SBK | Fr, BS, NP, SE | | 34" | | | | |
| | | 34-AR ^{Rock} | | | | | | | | |
| 3, 4, 5, 6 | 12-13% LS | 0-8 | SL, gr | | | | | | | |
| | | 8-40 | SL, SBK | Fr, BS, NP, SE | | 40" | Sap at 40" | | .35 | |
| | | 40-48 | Sap, M | | | | | | | |
| | | | | | | | | | | |
| 4 | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM | SITE CLASSIFICATION (.0509): <u>5</u> EVALUATED BY: <u>RL</u> OTHER(S) PRESENT: _____ |
|-------------------------|----------------|----------------|---|
| Available Space (.0508) | <u>✓</u> | <u>✓</u> | |
| System Type(s) | <u>23% Red</u> | <u>30% Red</u> | |
| Site LTAR | | | |
| Maximum Trench Depth | | | |

Comments: _____

LEGEND

| LANDSCAPE POSITION | SOIL GROUP | SOIL TEXTURE | CONVENTIONAL LTAR (gpd/ft²) | SAPROLITE LTAR (gpd/ft²) | LPP LTAR (gpd/ft²) | MINERALOGY/ CONSISTENCE | | STRUCTURE |
|--------------------|------------------|------------------------|-----------------------------|--------------------------|--------------------|-------------------------|-----------------------|-------------------------|
| CC (Concave slope) | I | S (Sand) | 0.8 - 1.2 | 0.6 - 0.8 | 0.4 -0.6 | MOIST | WET | SG (Single grain) |
| CV (Convex Slope) | | LS (Loamy sand) | | 0.5 -0.7 | | Lo (Loose) | NS (Non-sticky) | M (Massive) |
| D (Drainage way) | II | SL (Sandy loam) | 0.6 - 0.8 | 0.4 -0.6 | 0.3 - 0.4 | VFR (Very friable) | SS (Slightly sticky) | GR (Granular) |
| FP (Flood plain) | | L (Loam) | | 0.2 - 0.4 | | FR (Friable) | S (Sticky) | SBK (Subangular blocky) |
| FS (Foot slope) | III | SiL (Silt loam) | 0.3 - 0.6 | 0.1 - 0.3 | 0.15 - 0.3 | FI (Firm) | VS (Very sticky) | ABK (Angular blocky) |
| H (Head slope) | | SCL (Sandy clay loam) | | 0.05 - 0.15** | | VFI (Very firm) | NP (Non-plastic) | PR (Prismatic) |
| L (Linear Slope) | | CL (Clay loam) | | None | | EFI (Extremely firm) | SP (Slightly plastic) | PL (Platy) |
| N (Nose slope) | | SiCL (Silty clay loam) | | | | | P (Plastic) | |
| R (Ridge/summit) | | Si (Silt) | | | | | VP (Very plastic) | |
| S (Shoulder slope) | | IV | | | | SC (Sandy clay) | 0.1 - 0.4 | 0.05 - 0.2 |
| T (Terrace) | SiC (Silty clay) | | EXP (Expansive) | | | | | |
| TS (Toe Slope) | C (Clay) | | | | | | | |
| | | O (Organic) | None | | | | | |

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

**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

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); Evaluation of saprolite shall be by pits.

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) or U (Unsuitable)

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

