

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM  
 (Complete all fields in full)

OWNER: HH Hunt Home DATE EVALUATED: 12-16-24  
 ADDRESS: 305 Magnolia Acres  
 PROPOSED FACILITY: SFO PROPOSED DESIGN FLOW (.0400): 460 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<br>R<br>O<br>F<br>I<br>L<br>E<br># | .0502<br>LANDSCAPE<br>POSITION/<br>SLOPE % | HORIZON<br>DEPTH<br>(IN.) | SOIL MORPHOLOGY                |                                     | OTHER PROFILE FACTORS              |                        |                         |                         | .0509<br>PROFILE<br>CLASS<br>& LTAR* | .0503<br>SLOPE<br>CORRE<br>CTION |
|--------------------------------------|--|---------------------------|--------------------------------|-------------------------------------|------------------------------------|------------------------|-------------------------|-------------------------|--------------------------------------|----------------------------------|
|                                      |  |                           | .0503<br>STRUCTURE/<br>TEXTURE | .0503<br>CONSISTENCE/<br>MINERALOGY | .0504<br>SOIL<br>WETNESS/<br>COLOR | .0505<br>SOIL<br>DEPTH | .0506<br>SAPRO<br>CLASS | .0507<br>RESTR<br>HORIZ |                                      |                                  |
| 1                                    | 3-4%<br>LS                                 | 0-4                       | SL, gr                         |                                     |                                    |                        |                         |                         | .3                                   |                                  |
|                                      |  | 4-40                      | SL/Sap, SBN                    | FI, SS, Sp, SE                      | 48"                                | 40"                    |                         |                         |                                      |                                  |
|                                      |  | 40-48                     | Sap, M                         |                                     |                                    |                        |                         |                         |                                      |                                  |
| 2                                    | 2-3%<br>LS                                 | 0-4                       | SL, gr                         |                                     |                                    |                        |                         |                         | .3                                   |                                  |
|                                      |  | 4-38                      | SL/Sap, SBN                    | FI, SS, Sp, SE                      | 48"                                | 38"                    |                         |                         |                                      |                                  |
|                                      |  | 38-48                     | Sap, M                         |                                     |                                    |                        |                         |                         |                                      |                                  |
| 3                                    | 2-3%<br>LS                                 | 0-10                      | SL, gr                         |                                     |                                    |                        |                         |                         | .7                                   |                                  |
|                                      |  | 10-36                     | SL/Sap, SBN                    | FI, SS, Sp, SE                      | 48"                                | 36"                    |                         |                         |                                      |                                  |
|                                      |  | 36-48                     | Sap, M                         |                                     |                                    |                        |                         |                         |                                      |                                  |
| 4                                    |  |                           |                                |                                     |                                    |                        |                         |                         |                                      |                                  |
|                                      |  |                           |                                |                                     |                                    |                        |                         |                         |                                      |                                  |
|                                      |  |                           |                                |                                     |                                    |                        |                         |                         |                                      |                                  |

| DESCRIPTION             | INITIAL SYSTEM                      | REPAIR SYSTEM                       | SITE CLASSIFICATION (.0509): <u>S</u><br>EVALUATED BY: <u>RL</u><br>OTHER(S) PRESENT: _____ |
|-------------------------|-------------------------------------|-------------------------------------|---|
| Available Space (.0508) | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |   |
| System Type(s)          | <u>25% Red</u>                      | <u>25% Red</u>                      |   |
| Site LTAR               | <u>.3</u>                           | <u>.3</u>                           |   |
| Maximum Trench Depth    | <u>18-23</u>                        | <u>18-23</u>                        |   |

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# LEGEND

| LANDSCAPE POSITION | SOIL GROUP | SOIL TEXTURE           | CONVENTIONAL LTAR (gpd/ft <sup>2</sup> ) | SAPROLITE LTAR (gpd/ft <sup>2</sup> ) | LPP LTAR (gpd/ft <sup>2</sup> ) | MINERALOGY/ CONSISTENCE |                         | STRUCTURE             |            |
|--------------------|------------|------------------------|--|---------------------------------------|---------------------------------|-------------------------|-------------------------|-----------------------|------------|
|                    |            |                        |  |                                       |                                 | MOIST                   | WET                     |                       |            |
| CC (Concave slope) | I          | S (Sand)               | 0.8 - 1.2                                | 0.6 - 0.8                             | 0.4 - 0.6                       | Lo (Loose)              | NS (Non-sticky)         | SG (Single grain)     |            |
| CV (Convex Slope)  |            | LS (Loamy sand)        |  | 0.5 - 0.7                             |                                 | 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                             |                                 | 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                                  |                                 | 0.15 - 0.3              | 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                            | SEXP (Slightly expansive)       |                         |                         |                       |            |
| 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 sapolite 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 sapolite 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).**

