

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

(Complete all fields in full)

OWNER: Janea Mendoza DATE EVALUATED:                       
 ADDRESS: 2491 Tingen  
 PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.0400): 760 GPD PROPERTY SIZE:                       
 LOCATION OF SITE: same 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><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  | L<br>2-5%                                  | 0-30                      | LS                             |                                     | >48"                               | >48"                   | -                       | -                       | 5<br>.6                              |                                  |
|  |  | 30-48                     | SL                             |                                     |                                    |                        |                         |                         |                                      |                                  |
| 2  | L<br>2-5%                                  | 0-28                      | LS                             |                                     | >48"                               | >118"                  | -                       | -                       | 5<br>.6                              |                                  |
|  |  | 28-48                     | SL                             |                                     |                                    |                        |                         |                         |                                      |                                  |
| 3  |  |                           |                                |                                     |                                    |                        |                         |                         |                                      |                                  |
|  |  |                           |                                |                                     |                                    |                        |                         |                         |                                      |                                  |
| 4  |  |                           |                                |                                     |                                    |                        |                         |                         |                                      |                                  |
|  |  |                           |                                |                                     |                                    |                        |                         |                         |                                      |                                  |

| DESCRIPTION             | INITIAL SYSTEM | REPAIR SYSTEM                       |   |
|-------------------------|----------------|-------------------------------------|---|
| Available Space (.0508) |                | <input checked="" type="checkbox"/> | SITE CLASSIFICATION (.0509): <u>5</u><br>EVALUATED BY: <u>                    </u><br>OTHER(S) PRESENT: <u>                    </u> |
| System Type(s)          |                | <input checked="" type="checkbox"/> |   |
| Site LTAR               |                | <u>.6</u>                           |   |
| Maximum Trench Depth    |                | <u>30</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                       | 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                                  |                                 | 0.15 - 0.3              | SEXP (Slightly expansive) | PL (Platy)              | SP (Slightly plastic) |
| N (Nose slope)     |            | SiCL (Silty clay loam) |  |                                       |                                 |                         |                           |                         |                       |
| R (Ridge/summit)   |            | Si (Silt)              |  |                                       |                                 |                         |                           |                         |                       |
| S (Shoulder slope) | IV         | SC (Sandy clay)        | 0.1 - 0.4                                | 0.05 - 0.2                            | EXP (Expansive)                 | VP (Very plastic)       |                           |                         |                       |
| T (Terrace)        |            | SiC (Silty clay)       |  |                                       |                                 |                         |                           |                         |                       |
| 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

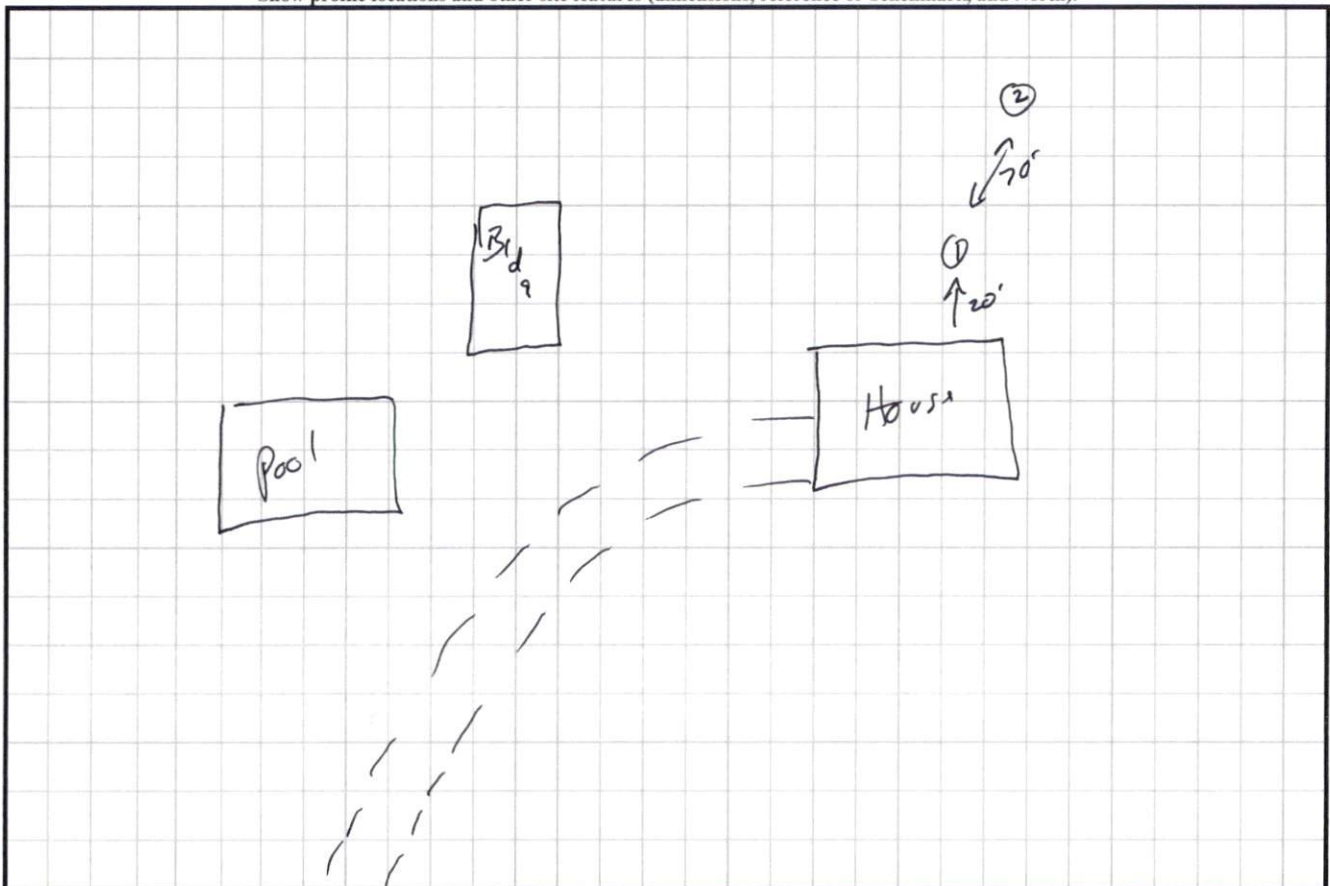
*RESTRICTIVE HORIZON* Thickness and depth from land surface

*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).**



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