



# 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                       | Mo                      | NS                    | 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                            | 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 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).**

