



# 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              | 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) |                  | SC (Sandy clay)        |  |                                       |                                 |                         | 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).**

