

# SCDOT Soil Test Log

|                          |  |  |  |                       |         |           |                    |              |             |            |             |                 |  |
|--------------------------|--|--|--|-----------------------|---------|-----------|--------------------|--------------|-------------|------------|-------------|-----------------|--|
| Project ID:              |  | P027662  |  |                       | County: |           | Lexington/Richland |              | Boring No.: |            | B-59        |                 |  |
| Site Description:        |  | Carolina Crossroads I-20/26/126 Corridor Improvement Project |  |                       |         |           |                    |              |             | Route:     |             | Site 37         |  |
| Eng./Geo.:               |  | ELF/MFC  |  | Boring Location:      |         |           | 206+15.30          |              | Offset:     |            | R:154.848   |                 |  |
| Elev.:                   |  | 322.4 ft   |  | Latitude:             |         | 34.039279 |                    | Longitude:   |             | -81.092863 |             | Date Started:   |  |
| Total Depth:             |  | 119.6 ft   |  | Soil Depth:           |         | 110 ft    |                    | Core Depth:  |             | 9.6 ft     |             | Date Completed: |  |
| Bore Hole Diameter (in): |  | 3.5  |  | Sampler Configuration |         |           | Liner Required:    |              | Y           |            | Liner Used: |                 |  |
| Drill Machine:           |  | CME 55   |  | Drill Method:         |         | RW        |                    | Hammer Type: |             | Automatic  |             | Energy Ratio:   |  |
| Core Size:               |  | NQ   |  | Driller:              |         | T. Miller |                    | Groundwater: |             | TOB        |             | 24HR            |  |
|                          |  |  |  |                       |         |           |                    |              |             | N/A        |             | 10.2 ft         |  |

| Elevation (ft) | Depth (ft) | MATERIAL DESCRIPTION   | Graphic Log | Sample Depth (ft) | Sample No./Type | 1st 6" | 2nd 6" | 3rd 6" | 4th 6" | N Value | <div> <div>● SPT N VALUE ●</div> <div> <div>PL</div> <div>MC</div> <div>LL</div> </div> <div>▲ FINES CONTENT (%)</div> </div> |
|----------------|------------|--|-------------|-------------------|-----------------|--------|--------|--------|--------|---------|---|
| 297.4          | 23.5       | <b>PIEDMONT RESIDUUM - SANDY SILT (ML)</b> - firm, moist, light red to light reddish-brown (2.5YR 4/8 to 7/4), mostly low plasticity fines, some fine to medium sands. |             | 23.5              | SS-8            | 3      | 3      | 5      |        | 8       | ●   |
| 292.4          | 28.5       | @ 28.5 feet - red (2.5YR 4/6).   |             | 28.5              | SS-9            | 2      | 3      | 3      |        | 6       | ●   |
| 287.4          | 33.5       | <b>SILT (ML)</b> - firm, moist, red (2.5YR 4/6), mostly low plasticity fines, few fine sands, [LL=47, PL=34, PI=13, NMC=45.4%, %200=92.9], AASHTO = A-7-5 (16).        |             | 33.5              | SS-10           | 3      | 2      | 4      |        | 6       | ●   |
|                | 38.5       |  |             | 38.5              | SS-11           | 2      | 3      | 4      |        | 7       | ●   |

## LEGEND

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| SAMPLER TYPE |                      | DRILLING METHOD |                            |
|--------------|----------------------|-----------------|----------------------------|
| SS           | - Split Spoon        | HSA             | - Hollow Stem Auger        |
| UD           | - Undisturbed Sample | CFA             | - Continuous Flight Augers |
| AWG          | - Rock Core, 1-1/8"  | DC              | - Driving Casing           |
| NQ           | - Rock Core, 1-7/8"  | RW              | - Rotary Wash              |
| CU           | - Cuttings           | RC              | - Rock Core                |
| CT           | - Continuous Tube    |                 |                            |