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| COMPUTED BY: BDR | DATE: 1/20/2018 |
| CHECKED BY: IWB | DATE: 1/30/2019 |

# STATE OF NORTH CAROLINA
# DIVISION OF HIGHWAYS

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| 17BP.1.R.92 | 3B-1 |

## SUMMARY OF EARTHWORK

| STATION | STATION | UNCL. EXCAV. | EMBANK. +25% | BORROW | WASTE |
|---|---|---|---|---|---|
| -L- Sta. 10+55.00 | -L- Sta. 13+38.75 | 7 | | 1,195 | 0 |
| -L- Sta. 15+06.25 | -L- Sta. 16+50.00 | 56 | | 44 | 0 |
| PROJECT TOTALS: | | 63 | 1,301 | 1,238 | 0 |
| REPLACE TOP SOIL ON BORROW PIT (5%) | | | | 62 | |
| GRAND TOTALS: | | 63 | | 1,300 | 0 |
| SAY: | | 70 | | 1,400 | 0 |

Earthwork quantities are calculated by the Roadway Design Engineer. These earthwork quantities are not based on subsurface data provided by the Geotechnical Engineer

## RIGHT OF WAY AREA DATA

| PARCEL NO. | SHEET NO. | PROPERTY OWNERS NAMES | TOTAL ACREAGE | AREA TAKEN ACRE (SF) | CONST. EASE. | PERM. DRAIN. EASE. | TEMP. DRAIN. EASE. |
|---|---|---|---|---|---|---|---|
| 1 | 4 & 5 | GOODWOOD VIRGINIA, LLC. | 636.46 | 0.117 (5,085.84) | | | |
| 2 | 5 | STEPHENSON, JAMES ELLIOT | 115.52 | 0.028 (1,222.56) | | | |
| 3 | 5 | GLOVER FARMS OF CAROLINA, LLC | 80.5 | 0.102 (4,443.26) | | | |

## SHOULDER BERM GUTTER SUMMARY

| SURVEY LINE | STATION | STATION | LENGTH |
|---|---|---|---|
| -L- (LT) | 13+13.75 | 13+38.75 | 25' |
| -L- (RT) | 13+13.75 | 13+38.75 | 25' |
| | | TOTAL: | 50' |
| | | SAY: | 50' |

## LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

| STATION | LOCATION (LT,RT, OR CL) | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT ELEVATION | INVERT ELEVATION | SLOPE CRITICAL | DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) SIZE 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | DO NOT USE RCP | DO NOT USE CSP | DO NOT USE CAAP | DO NOT USE HDPE | DO NOT USE PVC | C.S. PIPE (UNLESS NOTED OTHRWISE) THICKNESS OR GAUGE 12" | 15" | 18" | 24" | 30" | CLASS III R.C. PIPE (UNLESS OTHERWISE NOTED) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | 15" SIDE DRAIN PIPE | 18" SIDE DRAIN PIPE | 24" SIDE DRAIN PIPE | ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P. | C.S.P. | QUANTITIES FOR DRAINAGE STRUCTURES * TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL. "B") PER EACH (0' THRU 5.0') | LIN. FT. A 5.0' THRU 10.0' | LIN. FT. B 10.0' AND ABOVE | C.B. STD. 840.01 OR STD. 840.02 | FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E | F | G | D.I. STD. 840.14 OR STD. 840.15 | D.I. FRAME & GRATE STD. 840.16 | G.D.I. TYPE "A" STD. 840.17 OR 840.26 | G.D.I. TYPE "B" STD. 840.18 OR 840.27 | G.D.I. TYPE "D" STD. 840.19 OR 840.28 | G.D.I. FRAME WITH TWO GRATES STD. 840.22 | G.D.I. FRAME WITH GRATE STD. 840.24 | G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24 | J.B. STD. 840.31 OR 840.32 | T.B.D.I. FRAME WITH TWO GRATES STD. 840.36 | CORR. ALUMINUM ELBOWS NO. & SIZE | CONC. COLLARS CL. "B" C.Y. STD. 840.72 | CONC. & BRICK PIPE PLUG, C.Y. STD. 840.71 | PIPE REMOVAL LIN.FT. | REMARKS |
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