COMPUTED BY: BBP DATE: 9/9/13
CHECKED BY: CMKR DATE: 3/14/16

6/21/00

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

| PROJECT REFERENCE NO. | SHEET NO. |
|---|---|
| 17BP.9.R.27 | 3B-1 |

## PARCEL INDEX

| PARCEL NO. | PLAN SHEET NO. | PROPERTY OWNER NAME |
|---|---|---|
| 1 | 4 | MAX BOYLES /ELLIS BOYLES |
| 2 & 2Z | 4 | BARBARA ANN BOVENDER |
| 3 & 3Z | 4 | SEAN W. BEESON SCOTT AND WIFE KRISTA A. SCOTT |
| 4 & 4Z | 4 | MAX BOYLES /ELLIS BOYLES |

## PAVEMENT REMOVAL SUMMARY

| SURVEY LINE | STATION | STATION | LOCATION LT/RT/CL | YD² |
|---|---|---|---|---|
| -L- | 12+50 | 13+01 | CL | 116.22 |
| -L- | 13+51 | 13+82 | CL | 101.00 |
| | | | TOTAL: | 217.22 |
| | | | SAY: | 220 |

## SHOULDER BERM GUTTER SUMMARY

| SURVEY LINE | STATION | STATION | LENGTH |
|---|---|---|---|
| -L- | 13+67.12 RT | 13+82 +/- RT | 15' |
| -L- | 13+67.12 LT | 13+73 +/- LT | 13' |
| | | TOTAL: | 28' |
| | | SAY: | 30' |

## SUMMARY OF EARTHWORK

| STATION | STATION | UNCL. EXCAV. | UNCL. EXCAV. UNDERCUT | EMBANK. +% | BORROW | WASTE |
|---|---|---|---|---|---|---|
| -L- STA. 11+75.00 | -L- STA. 13+00.00 | 67 | | 239 | 172 | |
| SUBTOTAL | | 67 | | 239 | 172 | |
| -L- STA. 13+56.12 | -L- STA. 14+50.00 | 27 | | 53 | 26 | |
| SUBTOTAL | | 27 | | 53 | 26 | |
| TOTAL | | 94 | | 292 | 198 | |
| ADJUSTMENTS DUE TO: | | | | | | |
| LOSS DUE TO CLEARING & GRUBBING | | | | | | |
| WASTE IN LIEU OF BORROW | | | | | | |
| PROJECT TOTAL | | 94 | | 292 | 198 | |
| 5% TO REPLACE TOPSOIL IN BORROW PITS | | | | | 10 | |
| GRAND TOTAL | | 94 | | | 208 | |
| SAY | | 100 | | | 225 | |

| | |
|---|---|
| SELECT GRANULAR MATERIAL | 100 CY |
| GEOTEXTILE FOR SOIL STABILIZATION | 100 SY |
| ESTIMATE UNDERCUT | 50 CY |
| ESTIMATE SHALLOW UNDERCUT | 50 CY |
| CLASS IV SUBGRADE STABILIZATION | 50 TONS |

Approximate quantities only. Unclassified excavation, borrow excavation, pavement removal, fine grading, and clearing and grubbing will be paid for at the lump sum price for "Grading".

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

## 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) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | C.S. PIPE (UNLESS NOTED OTHRWISE) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | CLASS IV 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* PER EACH (0' THRU 5.0') | * TOTAL LF FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') LIN. *FT. A: 5.0' THRU 10.0' | 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 GRATE STD. 840.22 | G.D.I. FRAME WITH TWO GRATES STD. 840.22 | G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24 | G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24 | FRAMES AND NARROW SLOT FLAT GRATES STD. 840.29 | J.B. STD. 840.31 OR 840.32 | T.B.G.D.I. STD. 840.35 | T.B.D.I. FRAME WITH TWO GRATES STD. 840.36 | 15" CORR. STEEL 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 |
|---|---|---|---|---|---|---