| COMPUTED BY: GP | DATE: 6/9/2003 |
|---|---|
| CHECKED BY: SK | DATE: 6/9/2004 |

| PROJECT NO. | SHEET NO. |
|---|---|
| B-3685 | 3-A |

# STATE OF NORTH CAROLINA
# DIVISION OF HIGHWAYS

## SUMMARY OF EARTHWORK

| LINE | Station | Station | Uncl. Excav. $YD^3$ | Embank. + 30% $YD^3$ | Borrow $YD^3$ | Waste $YD^3$ |
|---|---|---|---|---|---|---|
| LEFT | | | | | | |
| BEFORE BRIDGE | | | | | | |
| -L- | 9+74.50 | 16+97.50 | 258 | 227 | | 31 |
| SUB TOTAL LEFT | | | 258 | 227 | | 31 |
| AFTER BRIDGE | | | | | | |
| -L- | 17+97.50 | 20+11.35 | 85 | 93 | 8 | |
| SUB TOTAL LEFT | | | 85 | 93 | 8 | |
| TOTAL LEFT | | | 343 | 320 | 8 | 31 |
| RIGHT | | | | | | |
| BEFORE BRIDGE | | | | | | |
| -L- | 9+74.50 | 16+97.50 | 435 | 46 | | 389 |
| SUBTOTAL RIGHT | | | 435 | 46 | | 389 |
| AFTER BRIDGE | | | | | | |
| -L- | 17+97.50 | 20+11.35 | 131 | 117 | | 14 |
| SUB TOTAL RIGHT | | | 131 | 117 | | 14 |
| TOTAL RIGHT | | | 566 | 163 | | 403 |
| SUBTOTAL | | | 909 | 483 | 8 | 434 |
| SUBTOTAL | | | 909 | 483 | 8 | 434 |
| WASTE TO REPLACE BORROW: | | | | | -8 | -8 |
| SUBTOTAL | | | 909 | | 0 | 426 |
| GRAND TOTALS: | | | 909 | | 0 | 426 |
| SAY: | | | 910 | | | |
| UNDERCUT EXCAVATION | | | 200 | | | |

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

## PARCEL INDEX

| PARCEL NO. | SHEET NO. | PROPERTY OWNER |
|---|---|---|
| 1 | 4 | GOLDLEAF, LLC |
| 2 | 4 | BERKSHIRE HUDSON CAPITAL I, LLC |
| 3 | 4 | J. MICHAEL HARRELL |
| 4 | 4 | THE STATE OF NORTH CAROLINA |
| 5 | 4 | ALBERT EARL EDMUNDSON & wife, FRANCES EDMUNDSON |
| 6 | 4 | EAST CAROLINA UNIVERSITY |
| 7 | 4 | THE STATE OF NORTH CAROLINA |
| 8 | 4 | KINGS ARMS OF GREENVILLE, INC. |
| 9 | 4 | EASTERN REALTY CO. |
| 10 | 4 | JOSEPH M. ROGERS |
| 11 | 4 | EAST CAROLINA UNIVERSITY |
| 12 | 4 | STATE OF NORTH CAROLINA |

## SUMMARY OF EXISTING ASPHALT PAVEMENT REMOVAL

| LINE | STATION TO | STATION | LOC LT/RT/CL | $YD^2$ |
|---|---|---|---|---|
| L | 12+98.00 | 16+97.50 | CL | 1398 |
| L | 17+97.50 | 19+86.35 | CL | 847 |
| | | | TOTAL | 2245 |
| | | | SAY | 2250 |

"N" = DISTANCE FROM EDGE OF LANE TO FACE OF GUARDRAIL
TOTAL SHOULDER WIDTH = DISTANCE FROM EDGE OF TRAVEL LANE TO SHOLDER BREAK POINT
FLARE LENGTH = DISTANCE FROM LAST SECTION OF PARALLEL GUARDRAIL TO END OF GUARDRAIL
W = TOTAL WIDTH OF FLARE FROM BEGINNING OF TAPER TO END OF GUARDRAIL
G = GATING IMPACT ATTENUATOR TYPE 350
NG = NON-GATING IMPACT ATTENUATOR TYPE 350

## GUARDRAIL SUMMARY

| LINE | BEG. STA. | END STA. | LOC. | LENGTH STRAIGHT | LENGTH SHOP CURVED | LENGTH DOUBLE FACED | WARRANT POINT APPR. END | WARRANT POINT TRAIL. END | "N" DIST. FROM E.O.L. | TOTAL SHLDR WIDTH | FLARE LENGTH APPR. END | FLARE LENGTH TRAIL. END | W APPR. END | W TRAIL. END | ANCHORS XI MOD | ANCHORS TYPE III | ANCHORS GRAU 350 | ANCHORS M-350 | ANCHORS XII | ANCHORS CAT-1 | ANCHORS VI MOD | IMP. ATTEN.TYPE 350 PERMITTED EA | PERMITTED G | PERMITTED NG | REMOVE EXISTING GUARDRAIL | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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

| STATION | LOCATION (LT, RT, OR CL) | STRUCTURE NO. FROM | STRUCTURE NO. TO | TOP ELEVATION | INVERT IN ELEVATION | INVERT OUT ELEVATION | SLOPE CRITICAL | CLASS III R.C. PIPE (UNLESS NOTED OTHERWISE) 12" | 15" | 18" | 24" | 30" | 36" | 42" | 48" | BITUMINOUS COATED C.S. PIPE TYPE B (UNLESS NOTED OTHERWISE) 12" (0.064) | 15" (0.064) | 18" (0.064) | 24" (1.63) | 30" (0.079) | 36" (0.079) | 42" (0.109) | 48" (0.109) | 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. YARDS R.C.P. | C.S.P. | QUANTITES FOR DRAINAGE STRUCTURES "TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. 'A' + (1.3 X COL. 'B') YARDS A 5' THRU 10.0' | B 10.0' AND | C.B. STD. 840.01 OR STD. 840.02 PER EACH (0' THRU 5.0') | FRAME, GRATES, AND HOOD STANDARD 840.03 TYPE OF GRATE m | F | G | D.I. FRAME AND GRATE STD. 840.16 | M.D.I. TYPE "A" STD. 840.17 OR 840.26 | M.D.I. TYPE "B" STD. 840.18 OR 840.27 | M.D.I. TYPE "D" STD. 840.19 OR 840.28 | M.D.I. FRAME WITH GRATE STD. 840.20 | M.D.I. FRAME WITH TWO GRATES STD. 840.22 | M.D.I. (N.S.) FRAME WITH GRATE STD. 840.24 | M.D.I. FRAME WITH TWO GRATES STD. 840.28 | J.B. STD. 840.31 OR 840.32 | TB.JB W/ MH STD. 840.34 | MANHOLE STD. 840.51 | M.I. STD. 840.51 OR 840.53 | M.H. FRAME AND COVER STD. 840.54 | FLAP GATE (SSE SPECIAL DETAIL SHEET 2-F) | CONCRETE BRIDGE APPROACH DROP INLET (SHEET 2-G) | | | PIPE REMOVAL (FEET) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| THICKNESS OR GAUGE | | | | | | | | | | | | | | | | 0.064 | 0.064 | 0.064 | 1.63 | 0.079 | 0.079 | 0.109 | 0.109 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10+69.55 | LT. | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | | |
| 10+69.55 | LT. | 1 | 2 | 33.90 | 30.98 | 30.06 | | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12+11.90 | LT. | 3 | | 30.19 | 24.55 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | | | | | | | | | | | | |
| 12+23.26 | LT. | 4 | | 30.45 | 26.41 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | 1 | | | | | |
| 12+23.26 | CL | 5 | 4 | | 26.65 | 26.41 | | | 52 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12+23.26 | RT. | 5 | | 29.82 | 26.65 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| 14+45.00 | LT. | 6 | | 28.25 | 23.50 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 14+45.26 | LT. | 6A | | 28.60 | | 23.62 | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 1 | | | 1 | | | | | |
| 14+56.00 | LT. | 7 | 6 | | 25.50 | 23.50 | | | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14+67.29 | LT. | 7 | | 28.29 | 25.50 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 14+67.30 | CL | 8 | 7 | | 25.65 | 25.50 | | | | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14+67.30 | RT. | 8 | | 28.29 | 25.65 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 14+46.00 | RT. | 9 | 8 | | 25.78 | 25.65 | | | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14+26.33 | RT. | 9 | | 28.28 | 25.78 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 14+74.18 | RT. | 10 | | 28.29 | 25.67 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 14+74.18 | RT. | 10 | 8 | | 25.67 | 25.65 | | | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16+78.28 | LT. | 11 | | 32.30 | 22.10 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | 1 | | | | | | LOCATE M.H. FRAME AND COVER OUTSIDE LIMITS OF APPROACH SLAB |
| 16+78.28 | LT. | 11 | 12 | | 22.10 | 22.00 | | | | | | | | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | 60 | |
| 18+00.00 | LT. | 14 | 13 | | 28.80 | 26.90 | | | | | | | | | | | | 44 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 18+30.00 | LT. | 14 | | 37.30 | 28.80 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | 1 | | | | | |
| 18+30.00 | LT. | 15 | 14 | | 29.00 | 28.80 | | | | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18+30.00 | LT. | 15 | | 37.55 | 29.00 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | 1 | | | |
| 18+30.00 | CL | 16 | 15 | | 34.38 | 34.24 | | | 48 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18+30.00 | RT. | 16 | | 37.55 | 34.38 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | | | | | | 1 | | | |
| 18+69.00 | LT. | 17 | 15 | | 36.89 | 29.00 | | | | 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19+03.03 | LT. | 17 | | 40.31 | 36.89 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| 19+03.03 | CL | 18 | 17 | | 37.72 | 37.14 | | | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 19+16.53 | RT. | 18 | | 40.89 | 37.72 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | | 1 | | | | | | | | | | | | | | | | |
| 19+50.00 | LT. | 19 | 17 | | 41.83 | 37.14 | | | 96 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20+00.00 | LT. | 19 | | 45.00 | 41.83 | | | | | | | | | | | | | | | | | | | | | | | | | 1 | | 1 | | 1 | | | | | | | | | | | | | | | | | |
| | | | | | | | TOTAL: | 44 | 284 | 160 | | | | 72 | | | | 44 | | | | | | | | | | | | 17 | | 11 | 5 | 4 | 2 | | | | | | | 2 | 2 | 2 | | | 4 | 2 | | 2 | | | 60 | |

ABBREVIATIONS
C.B. CATCH BASIN
M.D.I. NARROW DROP INLET
D.I. DROP INLET
M.D.I. MEDIAN DROP INLET
M.D.I.(N.S.) MEDIAN DROP INLET (NARROW SLOT)
J.B. JUNCTION BOX
M.H. MANHOLE
T.B.D.I. TRAFFIC BEARING DROP INLET
T.B.J.B. TRAFFIC BEARING JUNCTION BOX