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| COMPUTED BY: JRC | DATE: 9/08/2023 |
|---|---|

| PROJECT NUMBER | SHEET NUMBER |
|---|---|
| U-6003 | 3B-2 |

# STATE OF NORTH CAROLINA
# DIVISION OF HIGHWAYS

## SUMMARY OF EARTHWORK

| CHAIN | BEGINNING STATION | ENDING STATION | UNCL. EXCA. C.Y. | UNDERCUT C.Y. | EMBANK. +% C.Y. | BORROW C.Y. | WASTE C.Y. |
|---|---|---|---|---|---|---|---|
| **SUMMARY 1** | | | | | | | |
| -L- | 12+00.00 | 42+00.00 | 90,002 | 5,300 | 44,598 | | 50,704 |
| **SUBTOTAL** | | | **90,002** | **5,300** | **44,598** | | **50,704** |
| **SUMMARY 2** | | | | | | | |
| -L- | 42+00.00 | 62+00.00 | 76,228 | 1,000 | 10,261 | | 66,967 |
| **SUBTOTAL** | | | **76,228** | **1,000** | **10,261** | | **66,967** |
| **SUMMARY 3** | | | | | | | |
| -Y15- | 12+50.00 | 21+00.00 | 616 | | 1,063 | 1,063 | 616 |
| **SUBTOTAL** | | | **616** | | **1,063** | **1,063** | **616** |
| **SUMMARY 4** | | | | | | | |
| -Y16- | 11+50.00 | 16+50.00 | 597 | | 507 | 507 | 597 |
| **SUBTOTAL** | | | **597** | | **507** | **507** | **597** |
| **SUMMARY 5** | | | | | | | |
| -DR1- | 10+75.00 | 11+27.63 | 3 | | 133 | 130 | |
| **SUBTOTAL** | | | **3** | | **133** | **130** | |
| **SUMMARY 6** | | | | | | | |
| -DR2- | 10+25.00 | 11+00.00 | 7 | | 44 | 37 | |
| **SUBTOTAL** | | | **7** | | **44** | **37** | |
| **SHEET TOTALS** | | | **167,453** | **6,300** | **56,606** | **1,737** | **118,884** |
| **LOSS DUE TO CLEARING AND GRUBBING** | | | **-16,000** | | | | **-16,000** |
| **ADDITIONAL UNDERCUT** | | | | **2,500** | **920** | **920** | **2,500** |
| **EARTH WASTE IN LIEU OF BORROW** | | | | | | **-2,657** | **-2,657** |
| **GRAND TOTAL** | | | **151,453** | **8,800** | **57,526** | | **102,727** |
| **SAY** | | | **151,460** | | | | |

**DRAINAGE DITCH EXCAVATION = 1213 C.Y.**
**SHOULDER BORROW = 270 C.Y.**
**ESTIMATED SHALLOW UNDERCUT = 1000 C.Y.**
**SELECT GRANULAR MATERIAL = 18000 C.Y.**

**ACCEPTABLE UNCLASSIFIED EXCAVATION = 26000 C.Y. NOT TO BE USED IN TOP 3' OF EMBANKMENT OR BACKFILL:**

| | | | |
|---|---|---|---|
| -L- | 31+25.00 | 33+25.00 | 4,333 |
| -L- | 34+75.00 | 39+25.00 | 4,333 |
| -L- | 46+75.00 | 51+25.00 | 4,333 |
| -L- | 55+25.00 | 55+75.00 | 4,333 |
| -L- | 57+25.00 | 59+25.00 | 4,333 |
| -L- | 60+75.00 | 62+49.70 | 4,333 |

| CHAIN | BEGINNING STATION | ENDING STATION | UNCL. EXCA. C.Y. | UNDERCUT C.Y. | EMBANK. +% C.Y. | BORROW C.Y. | WASTE C.Y. |
|---|---|---|---|---|---|---|---|

**Note: 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 contract lump sum price for "Grading."**

**Note: Earthwork quantities are calculated by the Roadway Designer. These earthwork quantities are based in part on subsurface data provided by the Geotechnical Engineering Unit.**