

12/06/07

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| COMPUTED BY: | AMC | DATE: | 2/2/2017 |
| CHECKED BY:  | DJC | DATE: | 2/2/2017 |

STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

|                       |           |
|-----------------------|-----------|
| PROJECT REFERENCE NO. | SHEET NO. |
| R-5749                | 36-1      |

**SUMMARY OF SUBSURFACE DRAINAGE**

| SURVEY LINE | STATION  | STATION  | LOCATION LT/RT/CL | DRAIN TYPE* UD/BD/SD | LF     |       |
|-------------|----------|----------|-------------------|----------------------|--------|-------|
| -L-         | 20+00.00 | 71+25.00 | LT                | SD                   | 5,150  |       |
| -L-         | 20+00.00 | 82+14.00 | CL                | SD                   | 6,250  |       |
| -L-         | 28+00.00 | 82+14.00 | RT                | SD                   | 5,450  |       |
| -DET-       | 8+90.00  | 34+07.00 | LT/RT             | UD                   | 5,050  |       |
| CONTINGENCY |          |          |                   |                      | SD     | 1,700 |
| CONTINGENCY |          |          |                   |                      | UD     | 500   |
| TOTAL:      |          |          |                   |                      | 24,100 |       |
| SAY:        |          |          |                   |                      | 24,100 |       |

\*UD = UNDERDRAIN  
\*BD = BLIND DRAIN  
\*SD = SUBSURFACE DRAIN

**SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION**

| SURVEY LINE | STATION  | STATION  | AGGREGATE TYPE ASU/AST | AGGREGATE THICKNESS INCHES | SHALLOW UNDERCUT CY | CLASS IV SUBGRADE STABILIZATION TONS | GEOTEXTILE FOR SOIL STABILIZATION SY | STABILIZER AGGREGATE TONS | CLASS IV AGGREGATE STABILIZATION TONS |
|-------------|----------|----------|------------------------|----------------------------|---------------------|--------------------------------------|--------------------------------------|---------------------------|---------------------------------------|
| -L-         | 26+25.00 | 27+75.00 | ASU                    |                            | 90                  | 170                                  | 270                                  |                           |                                       |
| -L-         | 30+25.00 | 31+75.00 | ASU                    |                            | 160                 | 310                                  | 480                                  |                           |                                       |
| -L-         | 34+25.00 | 36+75.00 | ASU                    |                            | 410                 | 790                                  | 1,230                                |                           |                                       |
| -L-         | 66+75.00 | 69+75.00 | ASU                    |                            | 510                 | 990                                  | 1,530                                |                           |                                       |
| -L-         | 72+25.00 | 83+14.00 | ASU                    |                            | 430                 | 840                                  | 1,290                                |                           |                                       |
| -Y-         | 19+75.00 | 20+25.00 | ASU                    |                            | 10                  | 10                                   | 30                                   |                           |                                       |
| -DET-       | 10+75.00 | 11+75.00 | ASU                    |                            | 10                  | 10                                   | 10                                   |                           |                                       |
| -DET-       | 11+75.00 | 12+75.00 | ASU                    |                            | 50                  | 100                                  | 150                                  |                           |                                       |
| -Y-         | 40+25.00 | 41+75.00 | ASU                    |                            | 20                  | 40                                   | 60                                   |                           |                                       |
| -Y-         | 17+75.00 | 19+25.00 | ASU                    |                            | 40                  | 80                                   | 120                                  |                           |                                       |
| CONTINGENCY |          |          |                        |                            | 520                 | 1,000                                | 1,550                                |                           |                                       |
| TOTAL:      |          |          |                        |                            | 2,250               | 4,340                                | 6,720                                |                           |                                       |
| SAY:        |          |          |                        |                            | 2,250               | 4,340                                | 6,720                                |                           |                                       |

ASU = AGGREGATE SUBGRADE, AST = AGGREGATE STABILIZATION  
\*TOTAL SQUARE YARDS OF GEOTEXTILE FOR SOIL STABILIZATION IS ONLY THE ESTIMATED QUANTITY FOR ASU/AST AND MAY ONLY REPRESENT A PORTION OF THE GEOTEXTILE QUANTITY SHOWN IN THE ITEM SHEETS OF THE PROPOSAL.

**SUMMARY OF BRIDGE WAITING PERIODS**

| BRIDGE OVER US 7476 ON SR 1001 AND NC 214  | END BENT NO. | MONTHS |
|--|--------------|--------|
| AFTER CONSTRUCTION TO WITHIN 2 FT OF FINISHED GRADE, WAIT BEFORE BEGINNING END BENT CONSTRUCTION | 1            | 2      |
| AFTER CONSTRUCTION TO WITHIN 2 FT OF FINISHED GRADE, WAIT BEFORE BEGINNING END BENT CONSTRUCTION | 2            | 2      |

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