

COMPUTED BY: J. Daily      DATE: 1/4/2024

CHECKED BY: L. Campos      DATE: 1/4/2024

(2-3-23)

STATE OF NORTH CAROLINA

DIVISION OF HIGHWAYS

PROJECT NO.

BP14.R006

SHEET NO.

3G-1

SUMMARY OF SUBSURFACE DRAINAGE

| LINE        | Station | Station | Location<br>LT/RT/CL | Drain Type*<br>UD/BD/SD | LF  |
|-------------|---------|---------|----------------------|-------------------------|-----|
|             |         |         |                      |                         |     |
|             |         |         |                      |                         |     |
| CONTINGENCY |         |         |                      | SD                      | 200 |
|             |         |         |                      |                         |     |
|             |         |         |                      | TOTAL LF:               | 200 |

\*UD = Underdrain  
\*BD = Blind Drain  
\*SD = Subsurface Drain

SUMMARY OF ROCK PLATING

| LINE        | Beginning<br>Slope<br>(H:V) | Approx.<br>Station | Ending<br>Slope<br>(H:V) | Approx.<br>Station | Location<br>LT/RT | Rock<br>Plating<br>Detail No.<br>1/2/3/4 | Riprap<br>Class*<br>1/2/B | Rock<br>Plating<br>SY |
|-------------|-----------------------------|--------------------|--------------------------|--------------------|-------------------|--|---------------------------|-----------------------|
| -STREAM-    | 1.5:1                       | 10+10.00           | 1.5:1                    | 12+62.50           | LT & RT           | 3  | 2                         | 1050                  |
|             |                             |                    |                          |                    |                   |  |                           |                       |
| CONTINGENCY |                             |                    |                          |                    |                   |  |                           | 200                   |
|             |                             |                    |                          |                    |                   |  |                           |                       |
|             |                             |                    |                          |                    |                   |  | TOTAL SY:                 | 1250                  |

\*Use Class 1, 2 or B riprap if riprap class is not shown for rock plating location.

SUMMARY OF AGGREGATE SUBGRADE/STABILIZATION

| LINE        | Station | Station | Aggregate<br>Type*<br>ASU(1/2)/<br>AST | Aggregate<br>Thickness<br>INCHES<br>[8" for<br>ASU(2)] | Shallow<br>Undercut<br>CY | Class IV<br>Subgrade<br>Stabilization<br>TONS | Geotextile for<br>Subgrade<br>Stabilization<br>SY | Stabilizer<br>Aggregate<br>TONS | Class IV<br>Aggregate<br>Stabilization<br>TONS |
|-------------|---------|---------|--|--|---------------------------|---|---|---------------------------------|--|
|             |         |         |  |  |                           |   |   |                                 |  |
|             |         |         |  |  |                           |   |   |                                 |  |
|             |         |         |  |  |                           |   |   |                                 |  |
| CONTINGENCY |         |         | ASU                                    | 12   | 100                       | 200   | 300   |                                 |  |
|             |         |         |  |  |                           |   |   |                                 |  |
|             |         |         | TOTAL CY/TONS/SY:                      |  | 100                       | 200**   | 300**   | 0                               | 0  |

\*ASU(1/2) = Aggregate Subgrade (Type 1 or 2)  
\*AST = Aggregate Stabilization  
\*\*Total tons of "Class IV Subgrade Stabilization" and total square yards of "Geotextile for Subgrade Stabilization" are only the estimated quantities for ASU(1/2)/AST and may only represent a portion of the subgrade stabilization and geotextile quantities shown in the Item Sheets of the Proposal.

SUMMARY OF REINFORCED SOIL SLOPES AND SLOPE EROSION CONTROL

| LINE | Beginning<br>Slope/<br>RSS<br>(H:V) | Approx.<br>Station | Ending<br>Slope/<br>RSS<br>(H:V) | Approx.<br>Station | Location<br>LT/RT | Reinforced<br>Soil Slope<br>(RSS)<br>SY | Geocells<br>SY | Coir<br>Fiber Mat<br>SY | Matting<br>for Erosion<br>Control<br>SY |
|------|-------------------------------------|--------------------|----------------------------------|--------------------|-------------------|---|----------------|-------------------------|---|
| L    | 1.9:1                               | 10+00              | 1.9:1                            | 10+20              | LT                |   |                | 50                      |   |
|      |                                     |                    |                                  |                    |                   |   |                |                         |   |
|      |                                     |                    |                                  |                    |                   |   |                |                         |   |
|      |                                     |                    |                                  |                    |                   |   |                |                         |   |
|      |                                     |                    |                                  |                    | TOTAL SY:         | 0                                       | 0              | 50*                     | 0**                                     |

\*Total square yards of "Coir Fiber Mat" is only the estimated quantity for slopes steeper than 2:1 (H:V) and may only represent a portion of the coir fiber mat quantity shown in the Item Sheets of the Proposal.  
\*\*Total square yards of "Matting for Erosion Control" is only the estimated quantity for RSS and may only represent a portion of the matting quantity shown in the Item Sheets of the Proposal.