

SEE SHEET TMP-10

TEMPORARY SHORING LOCATION NO. **UE-01** ESTIMATED QUANTITY = 245 SF

-L- STA. 576+25±, 78.0' RT TO -L- STA. 576+75±, 78.0' RT  
 LENGTH = 50' AVERAGE HEIGHT = 4.9 FT MAXIMUM HEIGHT = 4.9 FT

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 576+25±, 78' RT, TO STATION -L- 576+75±, 78' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
 UNIT WEIGHT ( $\gamma$ ) = 105 PCF (EL.  $\geq$ 139 FT),  
 120 PCF (EL. <139 FT)  
 FRICTION ANGLE ( $\phi$ ) = 27 DEGREES (EL. =139 FT),  
 30 DEGREES (EL. <139 FT)  
 COHESION (C) = 0 PSF  
 GROUNDWATER ELEVATION = 142 FT±

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 576+25±, 78' RT, TO STATION -L- 576+75±, 78' RT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 576+25±, 78' RT, TO STATION -L- 576+75±, 78' RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

SEE SHEET TMP-10

TEMPORARY SHORING LOCATION NO. **UE-02** ESTIMATED QUANTITY = 175 SF

-L- STA. 576+25±, 120.0' RT TO -L- STA. 576+75±, 120.0' RT  
 LENGTH = 50' AVERAGE HEIGHT = 3.5 FT MAXIMUM HEIGHT = 3.5 FT

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 576+25±, 120' RT, TO STATION -L- 576+75±, 120' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
 UNIT WEIGHT ( $\gamma$ ) = 105 PCF (EL.  $\geq$ 139 FT),  
 120 PCF (EL. <139 FT)  
 FRICTION ANGLE ( $\phi$ ) = 27 DEGREES (EL. =139 FT),  
 30 DEGREES (EL. <139 FT)  
 COHESION (C) = 0 PSF  
 GROUNDWATER ELEVATION = 142 FT±

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 576+25±, 120' RT, TO STATION -L- 576+75±, 120' RT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 576+25±, 120' RT, TO STATION -L- 576+75±, 120' RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

SEE SHEET TMP-11

PROJ. REFERENCE NO.	SHEET NO.
I-5987B	TMP-2TS15

TEMPORARY SHORING LOCATION NO. **UE-03** ESTIMATED QUANTITY = 5440 SF

-L- STA. 577+25±, 78.0' RT TO -L- STA. 585+25±, 78.0' RT  
 LENGTH = 800' AVERAGE HEIGHT = 6.8 FT MAXIMUM HEIGHT = 8.8 FT

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 577+25±, 78' RT, TO STATION -L- 585+25±, 78' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
 UNIT WEIGHT ( $\gamma$ ) = 90 PCF (EL.  $\geq$ 135 FT),  
 120 PCF (EL. <135 FT)  
 FRICTION ANGLE ( $\phi$ ) = 25 DEGREES (EL. =135 FT),  
 30 DEGREES (EL. <135 FT)  
 COHESION (C) = 0 PSF  
 GROUNDWATER ELEVATION = 142 FT±

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 577+25±, 78' RT, TO STATION -L- 585+25±, 78' RT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 577+25±, 78' RT, TO STATION -L- 585+25±, 78' RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

SEE SHEET TMP-11

TEMPORARY SHORING LOCATION NO. **UE-04** ESTIMATED QUANTITY = 5040 SF

-L- STA. 577+25±, 126.0' RT TO -L- STA. 585+25±, 120.0' RT  
 LENGTH = 800' AVERAGE HEIGHT = 6.3 FT MAXIMUM HEIGHT = 8.1 FT

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 577+25±, 126' RT, TO STATION -L- 585+25±, 120' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
 UNIT WEIGHT ( $\gamma$ ) = 90 PCF (EL.  $\geq$ 135 FT),  
 120 PCF (EL. <135 FT)  
 FRICTION ANGLE ( $\phi$ ) = 25 DEGREES (EL. =135 FT),  
 30 DEGREES (EL. <135 FT)  
 COHESION (C) = 0 PSF  
 GROUNDWATER ELEVATION = 142 FT±

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 577+25±, 126' RT, TO STATION -L- 585+25±, 120' RT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 577+25±, 126' RT, TO STATION -L- 585+25±, 120' RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

SEE SHEET TMP-11

TEMPORARY SHORING LOCATION NO. **UE-05** ESTIMATED QUANTITY = 6406 SF

-L- STA. 578+25±, 90.0' LT TO -L- STA. 585+53±, 90.0' LT  
 LENGTH = 728' AVERAGE HEIGHT = 8.8 FT MAXIMUM HEIGHT = 11.7 FT

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 578+25±, 90' LT, TO STATION -L- 585+53±, 90' LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
 UNIT WEIGHT ( $\gamma$ ) = 90 PCF (EL.  $\geq$ 135 FT),  
 120 PCF (EL. <135 FT)  
 FRICTION ANGLE ( $\phi$ ) = 25 DEGREES (EL. =135 FT),  
 30 DEGREES (EL. <135 FT)  
 COHESION (C) = 0 PSF  
 GROUNDWATER ELEVATION = 142 FT±

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 578+25±, 90' LT, TO STATION -L- 585+53±, 90' LT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 578+25±, 90' LT, TO STATION -L- 585+53±, 90' LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

SEE SHEET TMP-11

TEMPORARY SHORING LOCATION NO. **UE-06** ESTIMATED QUANTITY = 4000 SF

-L- STA. 578+75±, 118.0' LT TO -L- STA. 585+53±, 132.0' LT  
 LENGTH = 678' AVERAGE HEIGHT = 5.9 FT MAXIMUM HEIGHT = 8.8 FT

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

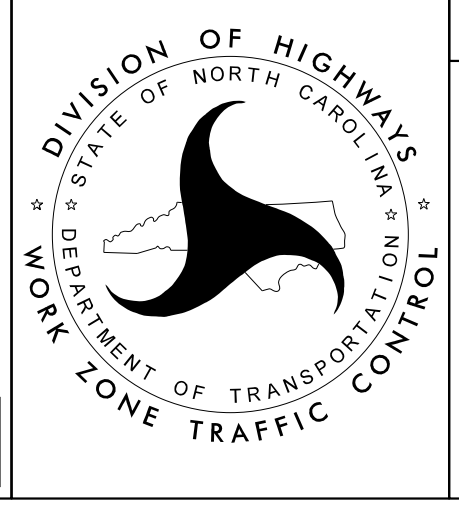
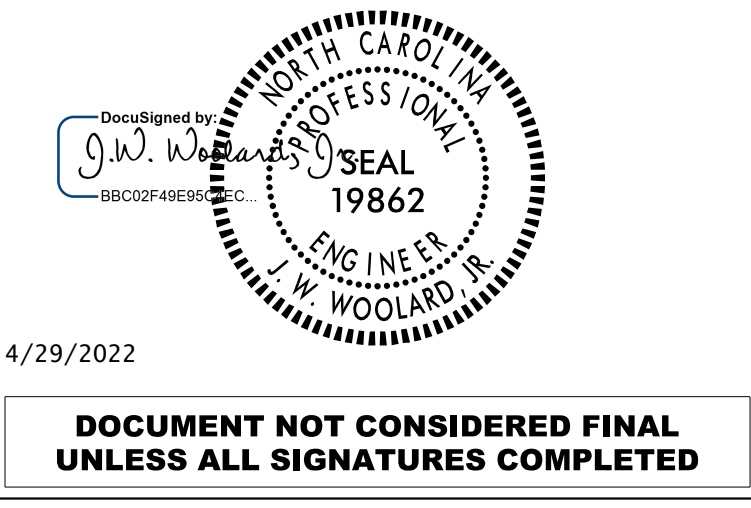
BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.

DESIGN TEMPORARY SHORING FROM STATION -L- 578+75±, 118' LT, TO STATION -L- 585+53±, 132' LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
 UNIT WEIGHT ( $\gamma$ ) = 90 PCF (EL.  $\geq$ 135 FT),  
 120 PCF (EL. <135 FT)  
 FRICTION ANGLE ( $\phi$ ) = 25 DEGREES (EL. =135 FT),  
 30 DEGREES (EL. <135 FT)  
 COHESION (C) = 0 PSF  
 GROUNDWATER ELEVATION = 142 FT±

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 578+75±, 118' LT, TO STATION -L- 585+53±, 132' LT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 578+75±, 118' LT, TO STATION -L- 585+53±, 132' LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

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SECTION 2

TEMPORARY SHORING NOTES  
 SECTION 1  
 LOCATIONS UE-01  
 THRU UE-06