

PROJ. REFERENCE NO.	SHEET NO.
I-5987B	TMP-2TS12

SEE SHEET TMP-200

TEMPORARY SHORING LOCATION NO. **(B2-25)** ESTIMATED QUANTITY = 1033 SF

-Y7- STA. 28+24±, 25.0' LT TO -Y7- STA. 28+87±, 25.0' LT  
LENGTH = 63' AVERAGE HEIGHT = 16.4 FT MAXIMUM HEIGHT = 24.0 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 -Y7- 28+24±, 25 FT LT, TO STATION -Y7- 28+87±, 25 FT LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
UNIT WEIGHT ( $\gamma$ ) = 120 PCF  
FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
COHESION (C) = 0 PSF  
GROUNDWATER ELEVATION = 167 FT±

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -Y7- 28+24±, 25 FT LT, TO STATION -Y7- 28+87±, 25 FT LT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y7- 28+24±, 25 FT LT, TO STATION -Y7- 28+87±, 25 FT LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR RETAINING WALLS AND/OR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR RETAINING WALLS AND/OR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

SEE SHEET TMP-200

TEMPORARY SHORING LOCATION NO. **(B2-26)** ESTIMATED QUANTITY = 871 SF

-Y7- STA. 30+44±, 30.0' LT TO -Y7- STA. 31+09±, 30.0' LT  
LENGTH = 65' AVERAGE HEIGHT = 13.4 FT MAXIMUM HEIGHT = 19.0 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 -Y7- 30+44±, 30 FT LT, TO STATION -Y7- 31+09±, 30 FT LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
UNIT WEIGHT ( $\gamma$ ) = 120 PCF  
FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
COHESION (C) = 0 PSF  
GROUNDWATER ELEVATION = 165 FT±

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y7- 30+44±, 30 FT LT, TO STATION -Y7- 31+09±, 30 FT LT.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -Y7- 30+44±, 30 FT LT, TO STATION -Y7- 31+09±, 30 FT LT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

SEE SHEET TMP-200

TEMPORARY SHORING LOCATION NO. **(B2-27)** ESTIMATED QUANTITY = 1105 SF

-Y7- STA. 30+44±, 25.0' LT TO -Y7- STA. 31+09±, 25.0' LT  
LENGTH = 65' AVERAGE HEIGHT = 17.0 FT MAXIMUM HEIGHT = 24.0 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 -Y7- 30+44±, 25 FT LT, TO STATION -Y7- 31+09±, 25 FT LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
UNIT WEIGHT ( $\gamma$ ) = 120 PCF  
FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
COHESION (C) = 0 PSF  
GROUNDWATER ELEVATION = 165 FT±

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -Y7- 30+44±, 25 FT LT, TO STATION -Y7- 31+09±, 25 FT LT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y7- 30+44±, 25 FT LT, TO STATION -Y7- 31+09±, 25 FT LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR RETAINING WALLS AND/OR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR RETAINING WALLS AND/OR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

SEE SHEETS TMP-202, 203

TEMPORARY SHORING LOCATION NO. **(B2-28)** ESTIMATED QUANTITY = 1485 SF

-Y7- STA. 21+25±, 9.5' RT TO -Y7- STA. 25+75±, 32.5' LT  
LENGTH = 450' AVERAGE HEIGHT = 3.3 FT MAXIMUM HEIGHT = 5.5 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 -Y7- 21+25±, 9.5 FT RT, TO STATION -Y7- 25+75±, 32.5 FT LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
UNIT WEIGHT ( $\gamma$ ) = 120 PCF  
FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
COHESION (C) = 0 PSF  
GROUNDWATER ELEVATION = 165 FT±

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -Y7- 21+25±, 9.5 FT RT, TO STATION -Y7- 25+75±, 32.5 FT LT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y7- 21+25±, 9.5 FT RT, TO STATION -Y7- 25+75±, 32.5 FT LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR RETAINING WALLS AND/OR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR RETAINING WALLS AND/OR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

SEE SHEETS TMP-203, 204

TEMPORARY SHORING LOCATION NO. **(B2-29)** ESTIMATED QUANTITY = 1668 SF

-Y7- STA. 31+75±, 34.0' LT TO -Y7- STA. 37+50±, 32.0' LT  
LENGTH = 575' AVERAGE HEIGHT = 2.9 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 -Y7- 31+75±, 34 FT LT, TO STATION -Y7- 37+50±, 32 FT LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
UNIT WEIGHT ( $\gamma$ ) = 120 PCF  
FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
COHESION (C) = 0 PSF  
GROUNDWATER ELEVATION = 163 FT±

DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -Y7- 31+75±, 34 FT LT, TO STATION -Y7- 37+50±, 32 FT LT.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y7- 31+75±, 34 FT LT, TO STATION -Y7- 37+50±, 32 FT LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

SEE SHEET TMP-216

TEMPORARY SHORING LOCATION NO. **(B2-30)** ESTIMATED QUANTITY = 615 SF

-L- STA. 676+47±, 52.5' RT TO -L- STA. 677+22±, 52.5' RT  
LENGTH = 75' AVERAGE HEIGHT = 8.2 FT MAXIMUM HEIGHT = 12.0 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- 676+47±, 52.5 FT RT, TO STATION -L- 677+22±, 52.5 FT RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:  
UNIT WEIGHT ( $\gamma$ ) = 120 PCF  
FRICTION ANGLE ( $\phi$ ) = 30 DEGREES  
COHESION (C) = 0 PSF  
GROUNDWATER ELEVATION = 161 FT±

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 676+47±, 52.5 FT RT, TO STATION -L- 677+22±, 52.5 FT RT.

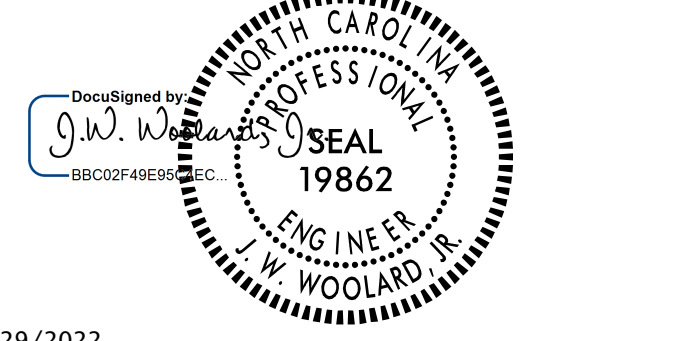
AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 676+47±, 52.5 FT RT, TO STATION -L- 677+22±, 52.5 FT RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

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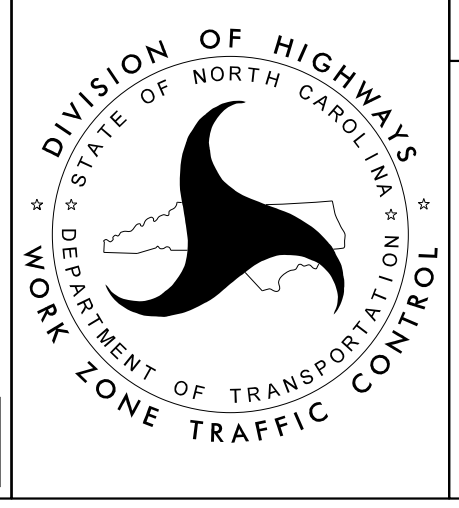
THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEER. THE DOCUMENT WAS SUBMITTED TO STANTEC CONSULTING ON (FEB 10, 2022) AND SEALED BY A PROFESSIONAL ENGINEER, (JINYOUNG PARK, Ph.D., P.E.), LICENSE #032171.



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SECTION 2

TEMPORARY SHORING NOTES  
SECTION 2  
LOCATIONS B2-25  
THRU B2-30