

PROJ. REFERENCE NO.	SHEET NO.
I-5987B	TMP-2TS13

SEE SHEET TMP-216
 TEMPORARY SHORING LOCATION NO. (B2-31) ESTIMATED QUANTITY = 772 SF
 -L- STA. 676+93±, 40.0' LT TO -L- STA. 677+76±, 40.0' LT
 LENGTH = 83' AVERAGE HEIGHT = 9.3 FT MAXIMUM HEIGHT = 14.0 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+93±, 40 FT LT, TO
 STATION -L- 677+76±, 40 FT LT, FOR THE FOLLOWING ASSUMED SOIL
 PARAMETERS AND GROUNDWATER ELEVATION:
 UNIT WEIGHT (γ) = 120 PCF
 FRICTION ANGLE (ϕ) = 30 DEGREES
 COHESION (C) = 0 PSF
 GROUNDWATER ELEVATION = 161 FT±
 DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY
 SHORING FROM STATION -L- 676+93±, 40 FT LT, TO STATION -L- 677+76±,
 40 FT LT.
 AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY
 SHORING FROM STATION -L- 676+93±, 40 FT LT, TO STATION -L- 677+76±,
 40 FT LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD
 TEMPORARY WALLS.

SEE SHEET TMP-216
 TEMPORARY SHORING LOCATION NO. (B2-32) ESTIMATED QUANTITY = 474 SF
 -L- STA. 676+52±, 46.5' RT TO -L- STA. 677+26±, 46.5' RT
 LENGTH = 74' AVERAGE HEIGHT = 6.4 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+52±, 46.5 FT RT, TO
 STATION -L- 677+26±, 46.5 FT RT, FOR THE FOLLOWING ASSUMED SOIL
 PARAMETERS AND GROUNDWATER ELEVATION:
 UNIT WEIGHT (γ) = 120 PCF
 FRICTION ANGLE (ϕ) = 30 DEGREES
 COHESION (C) = 0 PSF
 GROUNDWATER ELEVATION = 161 FT±
 DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY
 SHORING FROM STATION -L- 676+52±, 46.5 FT RT, TO STATION -L- 677+26±,
 46.5 FT RT.
 AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY
 SHORING FROM STATION -L- 676+52±, 46.5 FT RT, TO STATION -L- 677+26±,
 46.5 FT RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD
 TEMPORARY WALLS.

SEE SHEET
 TMP-218
 TEMPORARY SHORING LOCATION NO. (B2-33) ESTIMATED QUANTITY = 576 SF
 -L- STA. 708+20±, 37.0' LT TO -L- STA. 708+92±, 37.0' LT
 LENGTH = 72' AVERAGE HEIGHT = 8.0 FT MAXIMUM HEIGHT = 14.0 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- 708+20±, 37 FT LT, TO
 STATION -L- 708+92±, 37 FT LT, FOR THE FOLLOWING ASSUMED SOIL
 PARAMETERS AND GROUNDWATER ELEVATION:
 UNIT WEIGHT (γ) = 120 PCF
 FRICTION ANGLE (ϕ) = 30 DEGREES
 COHESION (C) = 0 PSF
 GROUNDWATER ELEVATION = 162 FT±
 DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY
 SHORING FROM STATION -L- 708+20±, 37 FT LT, TO STATION -L- 708+92±,
 37 FT LT.
 AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY
 SHORING FROM STATION -L- 708+20±, 37 FT LT, TO STATION -L- 708+92±,
 37 FT LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD
 TEMPORARY WALLS.

SEE SHEET TMP-218
 TEMPORARY SHORING LOCATION NO. (B2-34) ESTIMATED QUANTITY = 576 SF
 -L- STA. 708+04±, 37.0' RT TO -L- STA. 708+76±, 37.0' RT
 LENGTH = 72' AVERAGE HEIGHT = 8.0 FT MAXIMUM HEIGHT = 14.0 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- 708+04±, 37 FT RT, TO
 STATION -L- 708+76±, 37 FT RT, FOR THE FOLLOWING ASSUMED SOIL
 PARAMETERS AND GROUNDWATER ELEVATION:
 UNIT WEIGHT (γ) = 120 PCF
 FRICTION ANGLE (ϕ) = 30 DEGREES
 COHESION (C) = 0 PSF
 GROUNDWATER ELEVATION = 162 FT±
 DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY
 SHORING FROM STATION -L- 708+04±, 37 FT RT, TO STATION -L- 708+76±,
 37 FT RT.
 AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY
 SHORING FROM STATION -L- 708+04±, 37 FT RT, TO STATION -L- 708+76±,
 37 FT RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD
 TEMPORARY WALLS.

SEE SHEET TMP-218
 TEMPORARY SHORING LOCATION NO. (B2-35) ESTIMATED QUANTITY = 605 SF
 -L- STA. 708+20±, 42.0' LT TO -L- STA. 708+92±, 42.0' LT
 LENGTH = 72' AVERAGE HEIGHT = 8.4 FT MAXIMUM HEIGHT = 14.0 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- 708+20±, 42 FT LT, TO
 STATION -L- 708+92±, 42 FT LT, FOR THE FOLLOWING ASSUMED SOIL
 PARAMETERS AND GROUNDWATER ELEVATION:
 UNIT WEIGHT (γ) = 120 PCF
 FRICTION ANGLE (ϕ) = 30 DEGREES
 COHESION (C) = 0 PSF
 GROUNDWATER ELEVATION = 162 FT±
 DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L-
 708+20±, 42 FT LT, TO STATION -L- 708+92±, 42 FT LT.
 IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY
 SHORING FROM STATION -L- 708+20±, 42 FT LT, TO STATION -L- 708+92±,
 42 FT LT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL
 WALLS PROVISION.

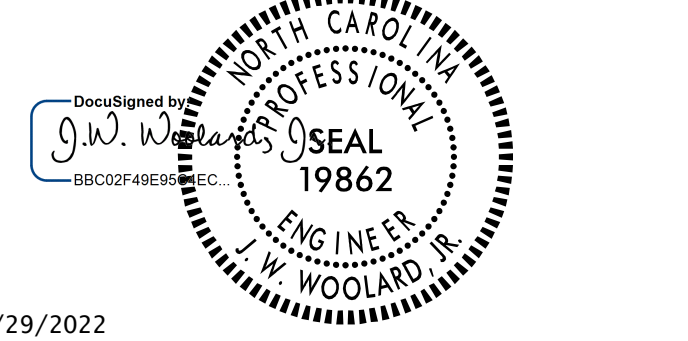
SEE SHEET TMP-218
 TEMPORARY SHORING LOCATION NO. (B2-36) ESTIMATED QUANTITY = 605 SF
 -L- STA. 708+04±, 42.0' RT TO -L- STA. 708+76±, 42.0' RT
 LENGTH = 72' AVERAGE HEIGHT = 8.4 FT MAXIMUM HEIGHT = 14.0 FT
 FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING,
 SEE PLANS AND TEMPORARY 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- 708+04±, 42 FT RT, TO
 STATION -L- 708+76±, 42 FT RT, FOR THE FOLLOWING ASSUMED SOIL
 PARAMETERS AND GROUNDWATER ELEVATION:
 UNIT WEIGHT (γ) = 120 PCF
 FRICTION ANGLE (ϕ) = 30 DEGREES
 COHESION (C) = 0 PSF
 GROUNDWATER ELEVATION = 162 FT±
 DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L-
 708+04±, 42 FT RT, TO STATION -L- 708+76±, 42 FT RT.
 IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY
 SHORING FROM STATION -L- 708+04±, 42 FT RT, TO STATION -L- 708+76±,
 42 FT RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL
 WALLS PROVISION.

3/15/2022
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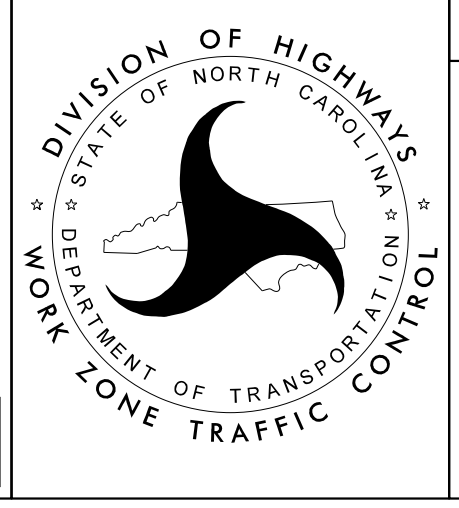
THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE
 GEOTECHNICAL ENGINEER. THE DOCUMENT WAS SUBMITTED TO STANTEC CONSULTING ON (FEB 10, 2022) AND
 SEALED BY A PROFESSIONAL ENGINEER, (JINYOUNG PARK, Ph.D., P.E.), LICENSE #032171.



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**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**



SECTION 2
 TEMPORARY SHORING NOTES
 SECTION 2
 LOCATIONS B2-31
 THRU B2-36