		Shoring Location No. 1 FOR TEMPORARY SHORING AND POSITIVE PRO SEE PLANS AND TEMPORARY SHORING PROVIS BEFORE BEGINNING TEMPORARY SHORING DES EXISTING GROUND ELEVATIONS IN THE VICID DETERMINE ACTUAL SHORING HEIGHTS. DESIGN TEMPORARY SHORING FROM STATION STATION 28+03 ± -L-, 1.0 FT RT, FOR TH PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT (?) = 120 PCF FRICTION ANGLE (?) = 30 DEGREN COHESION (c) = 0 PSF GROUNDWATER ELEVATION = 1190 M
TMP-02.dgn		LIMITED SUBSURFACE INFORMATION IS AVAI TEMPORARY SHORING FROM STATION 27+33± 28+03± -L-, 1.0 FT RT. THE INFORMATION SHORING DESIGN WAS ASSUMED AND MAY NOT SITE CONDITIONS ENCOUNTERED DURING CONS DRIVEN PILING FOR TEMPORARY SHORING FRO
TrafficControl\TCP\B-4448_TC_TW		RT, TO STATION 28+03± -L-, 1.0 FT RT M 1190 FT DUE TO VERY DENSE OR HARD SOIL IT MAY BE PREFERRED TO USE A TEMPORARY SHORING FROM STATION 27+33± -L- , 1.0 1.0 FT RT. FOR TEMPORARY SOIL NAIL WA WALLS PROVISION.
ficCont		Shoring Location No. 2
c/Traf-	SNO	FOR TEMPORARY SHORING AND POSITIVE PRO SEE PLANS AND TEMPORARY SHORING PROVIS
ress\Traff;	REVISIONS	BEFORE BEGINNING TEMPORARY SHORING DES EXISTING GROUND ELEVATIONS IN THE VICI DETERMINE ACTUAL SHORING HEIGHTS.
CAD_BIM\6.2_Work_In_Progress\Traffic\		DESIGN TEMPORARY SHORING FROM STATION STATION 29+27 ± -L-, 1.0 FT RT, FOR TH PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT (?) = 120 PCF FRICTION ANGLE (?) = 30 DEGREM COHESION (c) = 0 PSF GROUNDWATER ELEVATION = 1190 H
- - -		LIMITED SUBSURFACE INFORMATION IS AVAI TEMPORARY SHORING FROM STATION 28+58± 29+27 ± -L-, 1.0 FT RT. THE INFORMATIO DESIGN WAS ASSUMED AND MAY NOT BE APPL ENCOUNTERED DURING CONSTRUCTION.
PENTABLE: NCDOT_tcp.tb TIME: 7:53:39 PM 322\10001376\10070264\		DRIVEN PILING FOR TEMPORARY SHORING FROM TO STATION $29+27 \pm -L-$, 1.0 FT RT., MAY DUE TO VERY DENSE OR HARD SOIL OR WEAT
ents/3		IT MAY BE PREFERRED TO USE A TEMPORARY FROM STATION 28+58± -L- , 1.0 FT LT, TO TEMPORARY SOIL NAIL WALLS, SEE TEMPORA
eng_50.plt DATE: 4/2/3 S_East_01NDo		
IVER: NCDOT_p WILES w:\\pwhdruse		THE TEMPORARY SHORING NOTES SH THROUGH A SEALED DOCUMENT FROM UNIT. THE DOCUMENT WAS SUBMITT AND SEALED BY A PROFESSIONAL E
PLOT DR: USER: JV FILE: PV		

PROTECTION FOR TEMPORARY SHORING, 'ISION.

DESIGN OR CONSTRUCTION, SURVEY CINITY OF SHORING LOCATIONS TO

DN 27+33± -L- , 1.0 FT RT, TO THE FOLLOWING ASSUMED SOIL

AILABLE IN THE VICINITY OF B± -L- , 1.0 FT RT, TO STATION TION PROVIDED FOR TEMPORARY NOT BE APPLICABLE TO THE ACTUAL CONSTRUCTION.

FROM STATION 27+33± -L- , 1.0 FT MAY NOT PENETRATE BELOW ELEVATION DIL OR WEATHERED ROCK.

ARY SOIL NAIL WALL FOR TEMPORARY .0 FT RT, TO STATION 28+03± -L-, WALLS, SEE TEMPORARY SOIL NAIL

PROTECTION FOR TEMPORARY SHORING, /ISION.

DESIGN OR CONSTRUCTION, SURVEY CINITY OF SHORING LOCATIONS TO

DN 28+58± -L- , 1.0 FT RT, TO THE FOLLOWING ASSUMED SOIL

AILABLE IN THE VICINITY OF B± -L- , 1.0 FT RT, TO STATION ATION PROVIDED FOR TEMPORARY SHORING PPLICABLE TO THE ACTUAL SITE CONDITIONS

FROM STATION 28+58± -L- , 1.0 FT RT, MAY NOT PENETRATE BELOW ELEVATION 1190 FT EATHERED ROCK.

ARY SOIL NAIL WALL FOR TEMPORARY SHORING TO STATION $29+27 \pm -L-$, 1.0 FT LT. FOR DRARY SOIL NAIL WALLS PROVISION.

Shoring Location No. 3

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 27+33± -L- , 1.0 FT LT, TO STATION 27+88 ± -L-, 1.0 FT LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT (?) = 120 PCF FRICTION ANGLE (?) = 30 DEGREES COHESION (c) = 0 PSFGROUNDWATER ELEVATION = 1190 FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION $27+33\pm$ -L-, 1.0 FT LT, TO STATION $27+88\pm$ -L-, 1.0 FT LT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 27+33± -L- , 1.0 FT LT, TO STATION 27+88 ± -L-, 1.0 FT LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

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

Shoring Location No. 4

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 28+75± -L- , 1.0 FT LT, TO STATION 29+27 ± -L-, 1.0 FT LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT (?) = 120 PCF

FRICTION ANGLE (?) = 30 DEGREES COHESION (c) = 0 PSFGROUNDWATER ELEVATION = 1190 FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION 28+75± -L- , 1.0 FT LT, TO STATION 29+27 ± -L-, 1.0 FT LT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

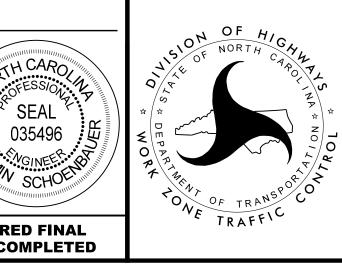
AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 28+75± -L- , 1.0 FT LT, TO STATION 29+27 ± -L-, 1.0 FT LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

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

SHOWN ON THIS SHEET WERE PROVIDED ROM THE GEOTECHNICAL ENGINEERING ITTED TO THE WZTC SECTION ON MARCH 8, 2018 ENGINEER, SHANE CLARK, LICENSE # 29869.

APPROVED: <u>Ben Schoenbauer</u>				
DATE:	5/4/2018	WINNING TH CARO		
	SEAL	PER 035496		
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED				





TEMPORARY SHORING DATA