

	PROJ. REFERENCE NO. SHEET NO. I-5987B TMP-2TS3
NOTES FOR TEMPORARY SHORING NO. B1-08 SEE TMP-11	AND TMP-12 NOTES FOR TEMPORARY SHORING NO. B1-09 PLANS PREPARED FOR THE NCDOT BY:
FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.	FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION. MOTT MACDONALD MOTT MACDONALD MOTT MACDONALD MOTT MACDONALD MOTT MACDONALD MOTT MACDONALD
BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.	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- 586+74±, 30 FT RT, TO STATION -L- 587+15±, 30 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 = 142 FT ±	DESIGN TEMPORARY SHORING FROM STATION -L- 586+98±, 33 FT RT, TO STATION -L- 594+50±, 33 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 = 142 FT ±
DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- $586+74\pm$, 30 FT RT, TO STATION -L- $587+15\pm$, 30 FT RT.	DO NOT USE CANTILEVER, BRACED AND/OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -L- 586+98±, 33 FT RT, TO STATION -L- 594+50±, 33 FT RT.
AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 586+74±, 30 FT RT, TO STATION -L- 587+15±, 30 FT RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.	AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 586+98±, 33 FT RT, TO STATION -L- 594+50±, 33 FT RT. 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.
NOTES FOR TEMPORARY SHORING NO. B1-11 SEE TMP-14B	NOTES FOR TEMPORARY SHORING NO. B1-12 SEE TMP-14B
FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.	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.	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- $615+33\pm$, 31.25 FT RT, TO STATION -L- $616+52\pm$, 31.25 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 = 155 FT ±	DESIGN TEMPORARY SHORING FROM STATION -L- 617+35.50 \pm , 31.25 FT RT, TO STATION -L- 618+79 \pm , 31.1 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 = 160 FT \pm
DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 615+33±, 31.25 FT RT, TO STATION -L- 616+52±, 31.25 FT RT.	DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 617+35.50±, 31.25 FT RT, TO STATION -L- 618+79±, 31.1 FT RT.
IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- 615+33±, 31.25 FT RT, TO STATION -L- 616+52±, 31.25 FT RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.	IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- 617+35.50±, 31.25 FT RT, TO STATION -L- 618+79±, 31.1 FT RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.
	APPROVED: Lovi D. Stouchko 4/29/2022 $4/29/2022$ $APPROVED: OF HIGH 4/29/2022 APPROVED: OF HIGH 4/29/2022 APPROVED: OF HIGH CARONNORTH CARONNOT $
TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED OUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING UNIT. DOCUMENT WAS SUBMITTED TO THE NCDOT DIVISION ENGINEER ON QUAY 10, 2022 AND SEALED BY A PROFESSIONAL ENGINEER, YOUNG PARK, LICENSE # 032171.	DATE: DA

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