


## SHORING NOTES

Prepared in the Office of:		NC FIRM LICENSE No. P-0339 320 Executive Court Hillsborough, NC 27278 (919) 732-3883 (919) 732-6676 (FAX)	PROJ. REFERENCE NO.	SHEET NO.
			B-4593	TMP-2

### TEMPORARY SHORING NO. 1

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 -LDET- 12+80.00±, 23' RT, TO STATION -LDET- 15+40.00±, 23' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ELEVATIONS	ABOVE EL. -10.0 FT.	BELOW EL. -10.0 FT.
UNIT WEIGHT ( $\gamma$ )	100 LB/CF	120 LB/CF
FRICTION ANGLE ( $\phi$ )	27 DEGREES	30 DEGREES
COHESION ( $c$ )	0 LB/SF	0 LB/SF
GROUNDWATER ELEV	1.5 FT±	

DO NOT USE A TEMPORARY GEOTEXTILE WALL FOR TEMPORARY SHORING FROM STATION -LDET- 12+80.00±, 23' RT, TO STATION -LDET- 15+40.00±, 23' RT.

DO NOT USE A STANDARD SHORING FOR TEMPORARY SHORING FROM STATION -LDET- 12+80.00±, 23' RT, TO STATION -LDET- 15+40.00±, 23' RT.

### TEMPORARY SHORING NO. 2

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 -LDET- 16+70.90±, 23' RT, TO STATION -LDET- 21+00.00±, 23' RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ELEVATIONS	ABOVE EL. -9.0 FT.	BELOW EL. -9.0 FT.
UNIT WEIGHT ( $\gamma$ )	100 LB/CF	120 LB/CF
FRICTION ANGLE ( $\phi$ )	27 DEGREES	30 DEGREES
COHESION ( $c$ )	0 LB/SF	0 LB/SF
GROUNDWATER ELEV	1.5 FT±	

DO NOT USE A TEMPORARY GEOTEXTILE WALL FOR TEMPORARY SHORING FROM STATION -LDET- 16+70.90±, 23' RT, TO STATION -LDET- 21+00.00±, 23' RT.

DO NOT USE A STANDARD SHORING FOR TEMPORARY SHORING FROM STATION -LDET- 16+70.90±, 23' RT, TO STATION -LDET- 21+00.00±, 23' RT.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH SEALED DOCUMENTS FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENTS WERE SUBMITTED TO STRUCTURES MANAGEMENT UNIT ON APRIL 22, 2019 AND SEALED BY PROFESSIONAL ENGINEER, JINYOUNG PARK, LICENSE # 032171

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APPROVED:  DATE: 5/5/2022  SEAL  		<h2 style="margin: 0;">TEMPORARY SHORING NOTES</h2>
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>		