

**TEMPORARY SHORING NOTES**

SHORING LOCATION NO. 1 AND 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 12+42.4 -L-, 10 FT (RT) TO STATION 12+77.5 -L-, 10 FT (RT) AND FROM STATION 13+01.9 -L-, 10 FT (RT) TO STATION 13+37.6 -L-, 10 FT (RT) FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 115 PCF  
 FRICTION ( $\phi$ ) = 28 DEGREES  
 COHESION ( $c$ ) = 0 PSF  
 GROUNDWATER ELEVATION = 2,359.0 FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION 12+42.4 -L-, 10 FT (RT) TO STATION 12+77.5 -L-, 10 FT (RT) AND FROM STATION 13+01.9 -L-, 10 FT (RT) TO STATION 13+37.6 -L-, 10 FT (RT). THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 12+42.4 -L-, 10 FT (RT) TO STATION 12+77.5 -L-, 10 FT (RT) AND FROM STATION 13+01.9 -L-, 10 FT (RT) TO STATION 13+37.6 -L-, 10 FT (RT) WILL NOT PENETRATE BELOW ELEVATION 2,360 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE CANTILEVER SHORING FOR TEMPORARY SHORING FROM STATION 12+42.4 -L-, 10 FT (RT) TO STATION 12+77.5 -L-, 10 FT (RT) AND FROM STATION 13+01.9 -L-, 10 FT (RT) TO STATION 13+37.6 -L-, 10 FT (RT).

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION 12+42.4 -L-, 10 FT (RT) TO STATION 12+77.5 -L-, 10 FT (RT) AND FROM STATION 13+01.9 -L-, 10 FT (RT) TO STATION 13+37.6 -L-, 10 FT (RT).

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION 12+42.4 -L-, 10 FT (RT) TO STATION 12+77.5 -L-, 10 FT (RT) AND FROM STATION 13+01.9 -L-, 10 FT (RT) TO STATION 13+37.6 -L-, 10 FT (RT). FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

SHORING LOCATION NO.	BEGIN STATION AND OFFSET	END STATION AND OFFSET	ESTIMATED AVERAGE HEIGHT	ESTIMATED MAXIMUM HEIGHT	SHORING LOCATION TYPE
NO. 1	STA. 12+42.4 +/- -L- 10 FT RT.	STA. 12+77.5 +/- -L- 10 FT RT.	8.8 FT	16.3 FT	STRUCTURE
NO. 2	STA. 13+01.9 +/- -L- 10 FT RT.	STA. 13+37.6 +/- -L- 10 FT RT.	8.9 FT	16.4 FT	STRUCTURE

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO THE WZTCU ON (3-13-2023) AND SEALED BY A PROFESSIONAL ENGINEER, MICHAEL STEPHENS, LICENSE # 028893.

APPROVED:  DATE: 04/21/2023  SEAL 		<p align="center"><b>TEMPORARY SHORING NOTES</b></p>
<p align="center"><b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b></p>		