

SHORING LOCATION NO.	BEGIN STATION AND OFFSET	END STATION AND OFFSET	ESTIMATED AVERAGE HEIGHT	ESTIMATED MAXIMUM HEIGHT	SHORING LOCATION TYPE
NO. 1	STA. 20+56+/- -L- 28 FT. RT.	STA. 20+81+/- -L- 28 FT. RT.	3.9 FT.	4.1 FT.	STRUCTURE

### TEMPORARY SHORING NOTES

**SHORING LOCATION NO. 1**

TEMPORARY SHORING IS REQUIRED FOR THE END BENT INSTALLATION FROM STA. 20+56+/- -L-, 28' RT., TO STA. 20+81+/- -L-, 28' RT.

BEFORE BEGINNING TEMPORARY SHORING DESIGN OR CONSTRUCTION, SURVEY EXISTING GROUND ELEVATIONS IN THE VICINITY OF SHORING LOCATIONS TO DETERMINE ACTUAL SHORING HEIGHTS.


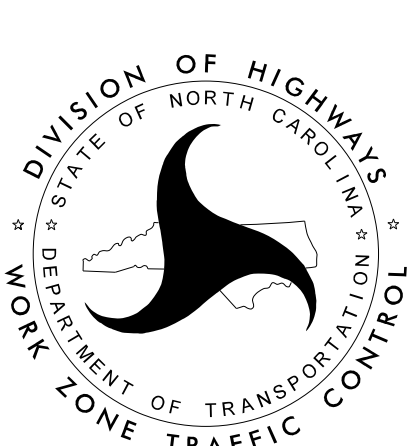
DESIGN TEMPORARY SHORING FROM STA. 20+56+/- -L-, 28' RT., TO STA. 20+81+/- -L-, 28' RT., FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT ( $\gamma$ ) = 115 LB/CF  
 FRICTION ANGLE ( $\phi$ ) = 0 DEGREES  
 COHESION ( $c$ ) = 200 LB/SF  
 GROUNDWATER ELEVATION = 513 FT.

DRIVEN PILING FOR TEMPORARY SHORING FROM STA. 20+56+/- -L-, 28' RT., TO STA. 20+81+/- -L-, 28' RT. MAY NOT PENETRATE BELOW ELEVATION 501.5 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STA. 20+56+/- -L-, 28' RT., TO STA. 20+81+/- -L-, 28' RT.

3/16/2021  
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APPROVED:  DATE: 7/12/2021		
<b>DOCUMENT NOT CONSIDERED FINAL                  UNLESS ALL SIGNATURES COMPLETED</b>		
<b>TEMPORARY SHORING NOTES</b>		