

SHORING LOCATION NO.	BEGIN STATION & OFFSET	END STATION & OFFSET	ESTIMATED AVERAGE HEIGHT (FT)	ESTIMATED MAXIMUM HEIGHT (FT)	SHORING LOCATION, TYPE, TRAFFIC CONTROL PLAN
1	-Y1- STA 35+23± 1.5 FT RT	-Y1- STA 36+25± 1.5 FT RT	11.3	20.0	ROADWAY EMBANKMENT CONSTRUCTION (CUT, TC PHASE I, STEP 2 AND 3, TMP-6)
2	Y1 STA 37+53± 1.5 FT RT	-Y1- STA 38+23± 1.5 FT RT	10.8	20.0	ROADWAY EMBANKMENT CONSTRUCTION (CUT, TC PHASE I, STEP 2 AND 3, TMP-6)
3	-Y1 - STA 35+25± 3.0 FT RT	-Y1- STA 35+90± 2.0 FT RT	15.0	21.0	ROADWAY EMBANKMENT CONSTRUCTION (FILL, TC PHASE I, STEP 2 AND 3, TMP-6)
4	-Y1- STA 37+92± 3.5 FT RT	-Y1- STA 38+23± 3.5 FT RT	12.0	21.0	ROADWAY EMBANKMENT CONSTRUCTION (FILL, TC PHASE I, STEP 2 AND 3, TMP-6)
5	-L- STA 56+02± 13.7 FT LT	-L- STA 56+77± 14.6 FT LT	6.1	6.1	ROADWAY CONSTRUCTION (CUT, TC PHASE I, STEP 2 AND 3, TMP-6)
6	-L- STA 56+02± 9.3 FT RT	-L- STA 56+77± 8.3 FT RT	6.1	6.1	ROADWAY CONSTRUCTION (CUT, TC PHASE I, STEP 2 AND 3, TMP-6)

THE FOLLOWING NOTES ON PLANS ARE RECOMMENDED FOR THE PROPOSED SHORING LOCATIONS:

SHORING LOCATION 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 -Y1- STA 35+23±, 1.5 FT RT TO STATION -Y1- STA 36+25±, 1.5 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: VARIES, ASSUMED ELEVATION ±146.7 FT

AT THE CONTRACTOR'S OPTION AND AS APPLICABLE, USE STANDARD TEMPORARY SHORING FOR THE TEMPORARY SHORING FROM -Y1- STA 35+23±, 1.5 FT RT TO STATION -Y1- STA 36+25±, 1.5 FT RT. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -Y1- STA 35+23±, 1.5 FT RT TO STATION -Y1- STA 36+25±, 1.5 FT RT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THE SUBSURFACE INFORMATION THAT IS AVAILABLE CAN BE FOUND IN THE ROADWAY SUBSURFACE INVENTORY REPORT.

DRIVEN PILING FOR TEMPORARY SHORING FROM -Y1- STA 35+23±, 1.5 FT RT TO STATION -Y1- STA 36+25±, 1.5 FT RT, MAY NOT PENETRATE BELOW ELEVATION 116.5 FT DUE TO VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y1- STA 35+23±, 1.5 FT RT TO STATION -Y1- STA 36+25±, 1.5 FT RT.

SHORING LOCATION 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 -Y1- STA 37+53±, 1.5 FT RT TO STATION -Y1- STA 38+23±, 1.5 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: VARIES, ASSUMED ELEVATION ±145.0 FT

AT THE CONTRACTOR'S OPTION AND AS APPLICABLE, USE STANDARD TEMPORARY SHORING FOR THE TEMPORARY SHORING FROM STATION -Y1- STA 37+53±, 1.5 FT RT TO STATION -Y1- STA 38+23±, 1.5 FT RT. SEE STANDARD DRAWING NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -Y1- STA 37+53±, 1.5 FT RT TO STATION -Y1- STA 38+23±, 1.5 FT RT. THE INFORMATION PROVIDED FOR TEMPORARY

SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THE SUBSURFACE INFORMATION THAT IS AVAILABLE CAN BE FOUND IN THE ROADWAY SUBSURFACE INVENTORY REPORT.

DRIVEN PILING FOR TEMPORARY SHORING FROM -Y1- STA 37+53±, 1.5 FT RT TO STATION -Y1- STA 38+23±, 1.5 FT RT, MAY NOT PENETRATE BELOW ELEVATION 114.8 FT DUE TO VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -Y1- STA 37+53±, 1.5 FT RT TO STATION -Y1- STA 38+23±, 1.5 FT RT.

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 -Y1- STA 35+25±, 3 FT RT TO STATION -Y1- STA 35+90±, 2 FT RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:


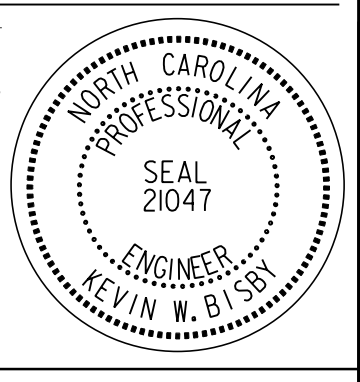

UNIT WEIGHT (γ): 120 PCF FRICTION ANGLE (φ): 30 DEGREES
COHESION (C): 0 PSF
GROUNDWATER ELEVATION: VARIES, ASSUMED ELEVATION ±146.7 FT

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR THE TEMPORARY SHORING FROM STATION -Y1- STA 35+25±, 3 FT RT TO STATION -Y1- STA 35+90±, 2 FT RT. SEE STANDARD DRAWING NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -Y1- STA 35+25±, 3 FT RT TO STATION -Y1- STA 35+90±, 2 FT RT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. THE SUBSURFACE INFORMATION THAT IS AVAILABLE CAN BE FOUND IN THE ROADWAY SUBSURFACE INVENTORY REPORT.

DO NOT USE CANTILEVER, BRACED OR ANCHORED SHORING FOR TEMPORARY SHORING FROM STATION -Y1- STA 35+25±, 3 FT RT TO STATION -Y1- STA 35+90±, 2 FT RT.

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APPROVED:  <small>DocuSigned by: Kevin Bishop 800802028912474</small> DATE: 9/19/2023 SEAL			TEMPORARY SHORING DATA
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