

# TEMPORARY SHORING NOTES

TEMPORARY SHORING NO. 10 (SEE SHEET TMP-10)

TEMPORARY SHORING NO. 11 (SEE SHEET TMP-10)

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

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DESIGN TEMPORARY SHORING FROM STATION 30+82 +/- -L\_LT-, 13' +/- LT, TO STATION 31+45 +/- -L\_LT-, 16' +/- LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

DESIGN TEMPORARY SHORING FROM STATION 32+24 +/- -L\_LT-, 18' +/- LT, TO STATION 32+84 +/- -L\_LT-, 18' +/- LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT,  $\gamma$  = 120 PCF  
 FRICTION ANGLE,  $\phi$  = 26  
 COHESION, c = 0 PSF  
 GROUNDWATER ELEVATION = 2578 FT.

UNIT WEIGHT,  $\gamma$  = 120 PCF  
 FRICTION ANGLE,  $\phi$  = 26  
 COHESION, c = 0 PSF  
 GROUNDWATER ELEVATION = 2580 FT.

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

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LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION 30+82 +/- -L\_LT-, 13' +/- LT, TO STATION 31+45 +/- -L\_LT-, 16' +/- LT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION 32+24 +/- -L\_LT-, 18' +/- LT, TO STATION 32+84 +/- -L\_LT-, 18' +/- LT. 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 30+82 +/- -L\_LT-, 13' +/- LT, TO STATION 31+45 +/- -L\_LT-, 16' +/- LT, MAY NOT PENETRATE BELOW ELEVATION 2560 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 32+24 +/- -L\_LT-, 18' +/- LT, TO STATION 32+84 +/- -L\_LT-, 18' +/- LT, MAY NOT PENETRATE BELOW ELEVATION 2560 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 30+82 +/- -L\_LT-, 13' +/- LT, TO STATION 31+45 +/- -L\_LT-, 16' +/- LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

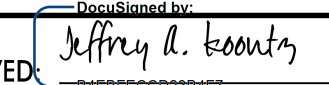
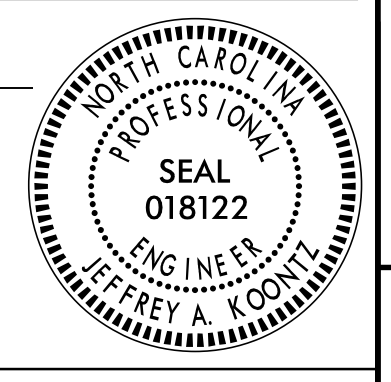

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 32+24 +/- -L\_LT-, 18' +/- LT, TO STATION 32+84 +/- -L\_LT-, 18' +/- LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR RETAINING WALLS AND/OR BRIDGE APPROACH FILLS OVELAPS 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.

WHEN BACKFILL FOR RETAINING WALLS AND/OR BRIDGE APPROACH FILLS OVELAPS 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.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT PREPARED BY AECOM FOR THE GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO THE WZTC SECTION ON 8/31/2023 AND SEALED BY A PROFESSIONAL ENGINEER, RYAN PATRICK DOYLE, LICENSE #045161.

9/6/2023 B3386-B5898.TC\_TMP\_02D.dgn jeffrey.thurston

APPROVED:  DATE: 10/17/2023		 <b>AECOM</b> <small>NC FIRM LICENSE No: F-0342                  5438 Wade Park Blvd., Ste 200                  Raleigh, NC 27607                  (919) 854-6200</small>	<h2 style="margin: 0;">TEMPORARY SHORING NOTES</h2>
<b>DOCUMENT NOT CONSIDERED FINAL                  UNLESS ALL SIGNATURES COMPLETED</b>			