

PROJ. REFERENCE NO.	SHEET NO.
DF18314.2045332	TMP-2B

SHORING NOTES

SHORING LOCATION NO. 1 AND NO. 2

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

TEMPORARY SHORING LOCATION RANGES:

LOCATION NO. 1: -L- 12+91±, 0.01’ LT TO -L- 13+03±, 2.22’ RT

LOCATION NO. 2: -L- 14+37±, 2.25’ RT TO -L- 14+50±, 2.60’ LT

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 LOCATION NOS. 1 AND 2, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

- UNIT WEIGHT = 120 PCF
- FRICTION ANGLE = 30 DEGREES
- COHESION = 0 PSF
- GROUNDWATER ELEVATION = 1723 FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING LOCATION NOS. 1 AND 2. 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 WILL NOT PENETRATE BELOW ELEVATION 1723 FT (LOCATION 1) AND 1743 FT (LOCATION 2) FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

DUE TO LIMITED SPACE, THE SHORING AT BOTH LOCATIONS WILL BE USED IN ALL PHASES, SERVING AS CUT SHORING IN PHASES 1 AND 2 AND FILL SHORING IN PHASES 3 AND 4. ADDITIONAL BLOCKING OR LAGGING INSTALLATION WILL BE REQUIRED WHEN THE SYSTEM IS INSTALLED TO ADDRESS THE CHANGE OF LOADING DIRECTION DURING PHASE CHANGES. SUBMIT SHORING PLAN AND DETAILS TO THE RESIDENT ENGINEER AND GEOTECHNICAL OPERATIONS ENGINEER 30 DAYS BEFORE INSTALLATION BEGINS.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING LOCATION NOS. 1 AND 2. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

RS&H 1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493

APPROVED: Signed by: <i>Rebecca E. Wright</i> 2852C398F98584F8 DATE: 6/4/2026 SEAL DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL
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