

PROJ. REFERENCE NO.	SHEET NO.
B-6034	TMP-1C

Shoring Location Nos. 1 and 2

THE FOLLOWING SHORING RECOMMENDATIONS ARE FOR TEMPORARY SHORING LOCATIONS AS INDICATED BELOW:

- 1) TEMPORARY SHORING LOCATION NO. 1 FROM STATION 12+71 -L-, 3* LT, TO STATION 12+86 -L-, 3* LT.
- 2) TEMPORARY SHORING LOCATION NO. 2 FROM STATION 13+54 -L-, 3* RT, TO STATION 13+69 -L-, 3* LT.

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

UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 LB/SF
GROUNDWATER ELEVATION = 2440 FT

AT THE CONTRACTOR*S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING LOCATION NOS. 1 AND 2. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

WHEN BACKFILL FOR BRIDGE APPROACH OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR BRIDGE APPROACH, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM NCDOT GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS SUBMITTED TO JMT ON (JUNE 23, 2025) AND SEALED BY A PROFESSIONAL ENGINEER, (SHIPING YANG, PE), LICENSE #031361. SEE STANDARD TEMPORARY SHORING AND STANDARD TEMPORARY WALL SHEETS (2G-1 THUR 2G-3 IN ROADWAY PLANS).

JMT Johnson, Mirmiran, & Thompson Inc.
108 Asheville Commerce Parkway
Suite 100, Candler, NC 28715
License No. C-3097

APPROVED:

Signed by: *Cotton M. Riddle*

DATE: 11/25/2025

SEAL

SEAL

057712

ENGINEER

COTTON M. RIDDLE

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



TEMPORARY SHORING NOTES