PROJ. REFERENCE NO.	SHEET NO.
R-3100A	TMP-2B

TEMPORARY SHORING LOCATION NO. (3)
-L- 47+30± (8.0' LT) TO -L- 47+80± (8.0' LT)

ESTIMATED QUANTITY = 1050.0 SF

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

TEMPORARY SHORING IS REQUIRED FOR THE PIPE INSTALLATION FROM STATION -L-47+30+/-,8'LT, TO STATION -L-47+80+/-,8'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 FROM STATION -L-47+30+/-,8'LT, TO STATION -L47+80+/-, 8' LT, 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 =962FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L-47+30+/-,8'LT, TO STATION -L-47+80+/-, 8'LT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

TEMPORARY SHORING LOCATION NO. (4)
-L- 47+30± (0.0' LT) TO -L- 47+80± (0.0' LT)

ESTIMATED QUANTITY = 1200.0 SF

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

TEMPORARY SHORING IS REQUIRED FOR THE PIPE INSTALLATION FROM STATION -L-47+30+/-,0'LT, TO STATION -L-47+80+/-,0'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 FROM STATION -L-47+30+/-,0'LT, TO STATION -L47+80+/-, 0' LT, 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 =962FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L-47+30+/-,0'LT, TO STATION -L-47+80+/-, 0'LT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L-32+65+/-,0'LT, TO STATION -L-33+15+/-, 0'LT. SEE STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS..

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE GEOTECHNICAL ENGINEER. THE DOCUMENT WAS CREATED ON (JUNE 14, 2016) AND SEALED BY A PROFESSIONAL ENGINEER, SHIPING YANG, LICENSE #031361.

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NORTH CAROLINA PROFESSIONAL SEAL 29449 ENGINEER BETSY L. WATSON
10/3/2016
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DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
WORK ZONE TRAFFIC CONTROL UNIT

TEMPORARY SHORING NOTES