PROJ. REFERENCE NO.	SHEET NO.
B-4722B	TMP-2A

TEMPORARY SHORING DATA

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 -L- 40+45±, 31.5 FT RIGHT TO STATION -L- 44+00±, 31.5 FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ABOVE ELEV 0′ & BELOW ELEV -15′
- UNIT WEIGHT (γ) = 120 LB/CF
- FRICTION ANGLE (ϕ) = 30 DEGREES
- COHESION (c) = 0 LB/SF

ELEV 0′ TO -15′
- UNIT WEIGHT (γ) = 110 LB/CF
- FRICTION ANGLE (ϕ) = 5 DEGREES
- COHESION (c) = 150 LB/SF

GROUNDWATER ELEV = 0′

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 40+45±, 31.5 FT RIGHT TO STATION -L- 44+00±, 31.5 FT RIGHT.

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 -L- 53+50±, 31.2 FT RIGHT TO STATION -L- 55+05±, 31.2 FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ABOVE ELEV 0′ & BELOW ELEV -15′
- UNIT WEIGHT (γ) = 120 LB/CF
- FRICTION ANGLE (ϕ) = 30 DEGREES
- COHESION (c) = 0 LB/SF

ELEV 0′ TO -15′
- UNIT WEIGHT (γ) = 110 LB/CF
- FRICTION ANGLE (ϕ) = 5 DEGREES
- COHESION (c) = 150 LB/SF

GROUNDWATER ELEV = 0′

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING STATION -L- 53+50±, 31.2 FT RIGHT TO STATION -L- 55+05±, 31.2 FT RIGHT.

APPROVED Docusigned by: DATE: 12/4/2014

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 032171 ENGINEER INYOUNG PARK

DIVISION OF HIGHWAYS STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION WORK ZONE TRAFFIC CONTROL

TEMPORARY SHORING NOTES

12/3/2014
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User:dwbissette