PROJ. REFERENCE NO.	SHEET NO.
B-5343	TMP-2

TEMPORARY SHORING NO. 1 (SEE TMP-4, QUANTITY=385 SF)

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

DESIGN TEMPORARY SHORING FROM STATION 15+95± -L- TO STATION 16+30± -L-, 31 FT. RT FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

- UNIT WEIGHT OF SOIL ABOVE WATER TABLE, γ=120 PCF
- UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ'=60 PCF
- FRICTION ANGLE, ϕ=30
- COHESION, c=0 PSF
- GROUNDWATER ELEVATION = 479 FT. ±

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

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 15+95± -L- TO STATION 16+30± -L-, 31 FT. RT. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 15+95± -L- TO STATION 16+30± -L-, 31 FT. RT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 15+95± -L- TO STATION 16+30± -L-, 31 FT. RT. MAY NOT PENETRATE BELOW ELEVATION 479 FT. DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS, OR WEATHERED OR HARD ROCK.

TEMPORARY SHORING NO. 2 (SEE TMP-4, QUANTITY=275 SF)

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

DESIGN TEMPORARY SHORING FROM STATION 16+90± -L- TO STATION 17+15± -L-, 31 FT. RT FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

- UNIT WEIGHT OF SOIL ABOVE WATER TABLE, γ=120 PCF
- UNIT WEIGHT OF SOIL BELOW WATER TABLE, γ'=60 PCF
- FRICTION ANGLE, ϕ=30
- COHESION, c=0 PSF
- GROUNDWATER ELEVATION = 479 FT. ±

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

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 16+90± -L- TO STATION 17+15± -L-, 31 FT. RT. THE INFORMATION PROVIDED FOR DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION 16+90± -L- TO STATION 17+15± -L-, 31 FT. RT. SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 16+90± -L- TO STATION 17+15± -L-, 31 FT. RT. MAY NOT PENETRATE BELOW ELEVATION 479 FT. DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS, OR WEATHERED OR HARD ROCK.

THE TEMPORARY SHORING NOTES SHOWN ON THIS SHEET WERE PROVIDED THROUGH A SEALED DOCUMENT FROM THE NCDOT GEOTECHNICAL ENGINEERING UNIT. THE DOCUMENT WAS PROVIDED ON MAY 5, 2016 AND SEALED BY A PROFESSIONAL ENGINEER, DAVID L TEAGUE, LICENSE # 027869.

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APPROVED: DocuSigned by: Steve Miller 9FBC6C15CEEB486...

DATE: 7/20/2016

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 037026 ENGINEER STEVEN D. MILLER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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

TEMPORARY SHORING DATA

7/20/2016
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