PROJ. REFERENCE NO.	SHEET NO.
B-3673	TMP-2B

Shoring Location No. 6

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- 12+41±, 15.92 FT (LT), TO STATION -L- 13+01±, 15.50 FT (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- 12+41±, 15.92 FT (LT), TO STATION -L- 13+01±, 15.50 FT (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

NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 12+41±, 15.92 FT (LT), TO STATION -L- 13+01±, 15.50 FT (LT). 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 SHORING FROM STATION -L- 12+41±, 15.92 FT (LT), TO STATION -L- 13+01±, 15.50 FT (LT) MAY NOT PENETRATE BELOW THE INVERT ELEVATION OF THE PIPE DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 12+41±, 15.92 FT (LT), TO STATION -L- 13+01±, 15.50 FT (LT). SEE STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS. STANDARD TEMPORARY WALL MAY BE USED PROVIDED THE MINIMUM CLEAR DISTANCES FROM THE PCB ARE MAINTAINED.

Shoring Location No. 7

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- 19+15±, 19.9 FT (RT), TO STATION -L- 19+65±, 18.0 FT (RT).

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 -L- 19+15±, 19.9 FT (RT), TO STATION -L- 19+65±, 18.0 FT (RT) 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

NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 19+15±, 19.9 FT (RT), TO STATION -L- 19+65±, 18.0 FT (RT). 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 SHORING FROM -L- 19+15±, 19.9 FT (RT), TO STATION -L- 19+65±, 18.0 FT (RT) MAY NOT PENETRATE BELOW THE INVERT ELEVATION OF THE PIPE DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 19+15±, 19.9 FT (RT), TO STATION -L- 19+65±, 18.0 FT (RT). SEE STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING AND 1801.02 FOR STANDARD TEMPORARY WALLS. STANDARD TEMPORARY WALL MAY BE USED PROVIDED THE MINIMUM CLEAR DISTANCES FROM THE PCB ARE MAINTAINED.

Shoring Location No. 8

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- 21+75±, 18.0 FT (RT), TO STATION -L- 22+16±, 18.0 FT (RT).

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 -L- 21+75±, 18.0 FT (RT), TO STATION -L- 22+16±, 18.0 FT (RT) 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

NO SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION -L- 21+75±, 18.0 FT (RT), TO STATION -L- 22+16±, 18.0 FT (RT). 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 SHORING FROM -L- 21+75±, 18.0 FT (RT), TO STATION -L- 22+16±, 18.0 FT (RT) MAY NOT PENETRATE BELOW THE INVERT ELEVATION OF THE PIPE DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 21+75±, 18.0 FT (RT), TO STATION -L- 22+16±, 18.0 FT (RT). SEE STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS. STANDARD TEMPORARY WALL MAY BE USED PROVIDED THE MINIMUM CLEAR DISTANCES FROM THE PCB ARE MAINTAINED.

APPROVED: DocuSigned by: Michael Stephens B196315B3C7046C...

DATE: 1/16/2015

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 028893 ENGINEER MICHAEL H. STEPHENS

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

TEMPORARY SHORING NOTES

1/15/2015
P:\TIPProjects-B\B3673\Traffic\TrafficControl\Turn_In_Docs\CADD_Files\B3673_TMP_2A.dgn
User:rmgarrett