

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.

EXISTING UNDERGROUND UTILITIES MAY BE LOCATED IN THE EXISTING ROADWAY IN THE VICINITY OF THE TEMPORARY SHORING FROM STATION 15+19 -Y2-, 27.2 FT (LT), TO STATION 17+20 -Y2-, 30.0 FT (LT) AND SHOULD IDENTIFIED PRIOR TO DESIGN.

DESIGN TEMPORARY SHORING FROM STATION 15+19 -Y2-, 27.2 FT (LT), TO STATION 17+20 -Y2-, 30.0 FT (LT), FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

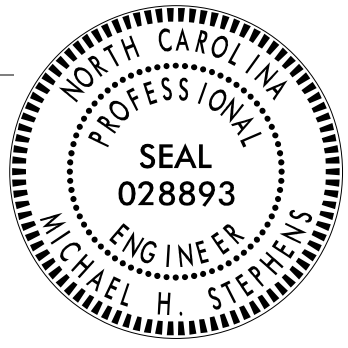

UNIT WEIGHT (γ) = 120 LB/CF
 FRICTION ANGLE (ϕ) = 30 DEGREES
 GROUNDWATER ELEVATION = 2,761.0 FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM STATION 15+19 -Y2-, 27.2 FT (LT), TO STATION 17+20 -Y2-, 30.0 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 15+19 -Y2-, 27.2 FT (LT), TO STATION 17+20 -Y2-, 30.0 FT (LT) MAY NOT PENETRATE BELOW ELEVATION 2,770 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION 15+19 -Y2-, 27.2 FT (LT), TO STATION 17+20 -Y2-, 30.0 FT (LT). FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

6/6/2016 0:NDivision\NR4060\TrafficControl\TCP\NR4060_TC_TMP-2_TEMP_SHORING_NOTES.dgn User:Kbr oodwell

APPROVED: <i>Michael Stephens</i> <small>8196158307046C</small> DATE: 6/6/2016 		<p>TEMPORARY SHORING NOTES</p>
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p>		