

TEMPORARY SHORING NOTES

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS, TEMPORARY SHORING PROVISION, AND TEMPORARY SOIL NAIL WALLS PROVISION.

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

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION STATION -L- 69+85±, 0 FT RT, TO STATION -L- 70+20±, 0 FT RT AND FROM STATION -L- 71+25±, 0 FT RT, TO STATION -L- 71+57±, 0 FT RT WILL NOT PENETRATE TO THE REQUIRED DEPTHS PROVIDED IN STANDARD DETAIL NO. 1801.01 DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS, OR WEATHERED OR HARD ROCK.

DESIGN TEMPORARY SHORING FROM STATION -L- 69+85±, 0 FT RIGHT, TO STATION -L- 70+20±, 0 FT RIGHT, AND -L- 71+25±, 0 FT RIGHT, TO STATION -L- 71+57±, 0 FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

ABOVE ELEVATION 706 FT

UNIT WEIGHT (γ) = 120 PCF

FRICTION ANGLE (ϕ) = 30 DEGREES

COHESION (c) = 0 PSF

GROUNDWATER ELEVATION = 711 FT

BELOW ELEVATION 706 FT

UNIT WEIGHT (γ) = 125 PCF

FRICTION ANGLE (ϕ) = 34 DEGREES

COHESION (c) = 0 PSF

BELOW ELEVATION 698 FT

UNIT WEIGHT (γ) = 125 PCF

FRICTION ANGLE (ϕ) = 40 DEGREES

COHESION (c) = 0 PSF


AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY SHORING FROM STATION -L- 69+85±, 0 FT RIGHT, TO STATION -L- 70+20±, 0 FT RIGHT, AND -L- 71+25±, 0 FT RIGHT, TO STATION -L- 71+57±, 0 FT RIGHT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY SHORING.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION -L- 69+85±, 0 FT RIGHT, TO STATION -L- 70+20±, 0 FT RIGHT, AND -L- 71+25±, 0 FT RIGHT, TO STATION -L- 71+57±, 0 FT RIGHT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM STATION -L- 69+85±, 0 FT RT, TO STATION -L- 70+20±, 0 FT RT AND FROM STATION -L- 71+25±, 0 FT RT, TO STATION -L- 71+57±, 0 FT.

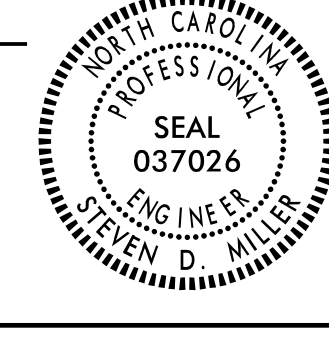
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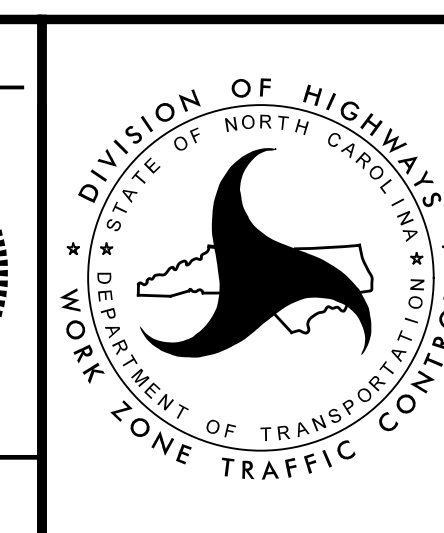
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SHORING
NOTES**