

TEMPORARY SHORING NOTES

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 29+00, 25 FT RIGHT, TO STATION
29+55, 25 FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND
GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 743.8 FT

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY SHORING FOR
TEMPORARY SHORING FROM STATION 29+00, 25 FT RIGHT, TO STATION 29+55, 25
FT RIGHT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD
TEMPORARY SHORING.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 29+00, 25 FT RIGHT, TO
STATION 29+55, 25 FT RIGHT MAY NOT PENETRATE BELOW ELEVATION 720.5 FT
DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR
HARD ROCK.

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 39+65, 25 FT RIGHT, TO STATION
40+25, 25 FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND
GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 737.6 FT

AT THE CONTRACTOR'S OPTION, USE STANDARD TEMPORARY SHORING FOR TEMPORARY
SHORING FROM STATION 39+65, 25 FT RIGHT, TO STATION 40+25, 25 FT RIGHT.
SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.01 FOR STANDARD TEMPORARY
SHORING.

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 39+65, 25 FT RIGHT, TO
STATION 40+25, 25 FT RIGHT MAY NOT PENETRATE BELOW ELEVATION 728.5 FT
DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR
HARD ROCK.

SHORING LOCATION NO. 3

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 29+00, 24 FT RIGHT, TO STATION 29
+55, 24 FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND
GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 743.8 FT

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY
SHORING FROM STATION 29+00, 24 FT RIGHT, TO STATION 29+55, 24 FT RIGHT.
SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY
WALLS.

WHEN BACKFILL FOR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED
ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL
REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE
REINFORCED ZONE OF TEMPORARY WALLS.

SHORING LOCATION NO. 4

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.

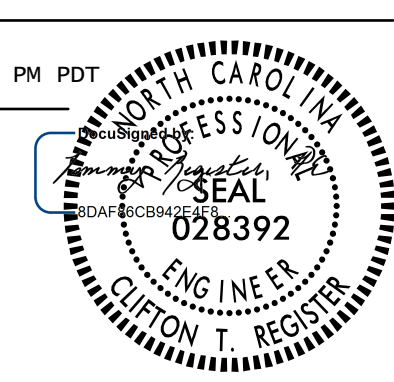

DESIGN TEMPORARY SHORING FROM STATION 39+65, 24 FT RIGHT, TO STATION
40+25, 24 FT RIGHT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND
GROUNDWATER ELEVATION:

UNIT WEIGHT (γ) = 120 PCF
FRICTION ANGLE (ϕ) = 30 DEGREES
COHESION (c) = 0 PSF
GROUNDWATER ELEVATION = 737.6 FT

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY
SHORING FROM STATION 39+65, 24 FT RIGHT, TO STATION 40+25, 24 FT RIGHT.
SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY
WALLS.

WHEN BACKFILL FOR BRIDGE APPROACH FILLS OVERLAPS WITH THE REINFORCED
ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL
REQUIRED FOR BRIDGE APPROACH FILLS, WHICHEVER IS BETTER, IN THE
REINFORCED ZONE OF TEMPORARY WALLS.

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APPROVED: _____ DATE: 3/19/2020 2:01 PM PDT <div style="text-align: center;">  <p>SEAL</p> </div>		<h2 style="margin: 0;">TEMPORARY SHORING NOTES</h2>
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		