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 -DET01 Y1RT- STATION 27+65, 23' LT TO -DETO1 Y1RT- STATION 29+16, $\overline{2}3'$ LT FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT $(\gamma) = 120$ PCF FRICTION ANGLE (ϕ) = 28 DEGREES COHESION (c) = 0 PSFGROUNDWATER ELEVATION = 2575 FT LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM -DETO1 Y1RT- STATION 27+65, 23' LT TO -DETO1 Y1RT- STATION 29+16, 23' 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 -DETO1 Y1RT- STATION 27+65, 23' LT TO -DETO1 Y1RT- STATION 29+16, $\overline{23}$ ' LT MAY NOT PENETRATE BELOW ELEVATION 2565 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK. DO NOT USE A TEMPORARY WALL FOR TEMPORARY SHORING FROM -DET01_Y1RT- STATION 27+65, 23' LT TO -DET01_Y1RT- STATION 29+16, 23' LT. 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 -DET01 EB- STATION 35+00, 23' LT, TO -DET01_EB- STATION 41+05, 23'LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION: UNIT WEIGHT $(\gamma) = 120$ PCF FRICTION ANGLE (ϕ) = 30 DEGREES COHESION (c) = 0 PSFGROUNDWATER ELEVATION = 2560 FT LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM -DETO1 EB- STATION 35+00, 23'LT, TO -DET01 EB- STATION 41+05, 23' LT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION. ВП AD. DRIVEN PILING FOR TEMPORARY SHORING FROM -DETO1 EB- STATION 35+00, 23' LT, TO -DETO1 EB- STATION 41+05, 23' LT MAY NOT PENETRATE BELOW ELEVATION 2550 FT DUE TO OBSTRUCTIONS, VERY ABLE: NCU 416:10 00303891 DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK. AT THE CONTRACTOR'S OPTION, USE STANDARD SHORING FOR TEMPORARY SHORING FROM -DETO1 EB- STATION 35+00, 23' LT, TO -DETO1 EB-PENT TIME: s\3322\1 STATION 41+05, 23' LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS. 1/21/2022 _01\Doci است DATE: _East_ DR PLOT USER: FILE:

TEMPORARY SHORING DATA

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 -DET01 EB- STATION 37+50, 23' RT, TO -DETO1 EB- STATION 41+05, 23 RT, FOR THE FOLLÓWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

> UNIT WEIGHT $(\gamma) = 120$ PCF FRICTION ANGLE (ϕ) = 30 DEGREES COHESION (c) = 0 PSFGROUNDWATER ELEVATION = 2560 FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM -DETO1 EB- STATION 37+50, 23' RT, TO -DET01 EB- STATION 41+05. 23' RT. THE INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN WAS ASSUMED AND MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.

AT THE CONTRACTOR'S OPTION, USE A STANDARD TEMPORARY WALL FOR TEMPORARY SHORING FROM -DETO1 EB- STATION 37+50, 23' RT, TO -DET01 EB- STATION 41+05, 23' RT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD 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 -DETO1 EB- STATION 43+90, 23'LT TO -DETO1 EB- STATION 51+81, 21'LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

> UNIT WEIGHT $(\gamma) = 120$ PCF FRICTION ANGLE (ϕ) = 30 DEGREES COHESION (c) = 0 PSFGROUNDWATER ELEVATION = 2580 FT

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM -DETO1 EB- STATION 43+90, 23' LT TO -DETO1 EB- STATION 51+81, 21'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 -DETO1 EB- STATION 43+90, 23' LT TO -DETO1 EB- STATION 51+81, 21' LT, MAY NOT PENETRATE BELOW ELEVATION 2550 FT 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 -DETO1 EB- STATION 43+90, 23' LT TO -DET01 EB- STATION 51+81, 21' LT. SEE GEOTECHNICAL STANDARD DETAIL NO. 1801.02 FOR STANDARD TEMPORARY WALLS.

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

SHORING LOCATION NO. 5

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 -DET01 EB- STATION 44+05, 23' RT, TO -DETO1 EB- STATION 56+08, 21 RT, FOR THE FOLLÓWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM -DETO1 EB- STATION 44+05, 23' RT, TO -DET01 EB- STATION 56+08, 21' 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 -DETO1 EB- STATION 44+05, 23' RT, TO -DET01_EB- STATION 56+08, 21' RT, MAY NOT PENETRATE BELOW ELEVATION 2550 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

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

SHORING LOCATION NO. 6

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.

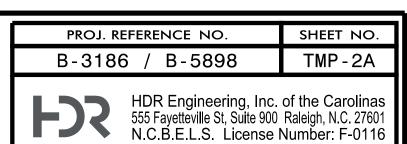
DESIGN TEMPORARY SHORING FROM -Y1RTXRP- STATION 10+16.51, 106 LT, TO -Y1RTXRP- STATION 11+07.93, 10' LT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

LIMITED SUBSURFACE INFORMATION IS AVAILABLE IN THE VICINITY OF TEMPORARY SHORING FROM -Y1RTXRP- STATION 10+16.51, 106'LT, TO -Y1RTXRP- STATION 11+07.93, 10' 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 -Y1RTXRP- STATION 10+16.51, 106' LT, TO -Y1RTXRP- STATION 11+07.93, 10' LT, MAY NOT PENETRATE BELOW ELEVATION 2555 FT DUE TO OBSTRUCTIONS, VERY DENSE OR HARD SOIL, BOULDERS OR WEATHERED OR HARD ROCK.

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

APPROVED: <u>Michael T. Rzepka</u>
DATE:
SEAL
DOCUMENT NOT CONSIDE UNLESS ALL SIGNATURES (



UNIT WEIGHT (γ) = 120 PCF FRICTION ANGLE $(\phi) = 30$ DEGREES COHESION (c) = 0 PSFGROUNDWATER ELEVATION = 2580 FT

UNIT WEIGHT $(\gamma) = 120$ PCF FRICTION ANGLE (ϕ) = 30 DEGREES COHESION (c) = 0 PSFGROUNDWATER ELEVATION = 2580 FT



TEMPORARY SHORING DATA