TEMPORARY SHORING NO. 1

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

TEMPORARY SHORING IS REQUIRED FOR THE END BENT CONSTRUCTION FROM STATION 20+14.75 ±–SBL–, 21′ RT, TO STATION 20+58.50 ±–SBL–, 21′ 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 STATION 20+14.75 ±–SBL–, 21′ RT, TO STATION 20+58.50 ±–SBL–, 21′ RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT = 120 LB/CF
FRICTION ANGLE = 30 DEGREES
COHESION = 0 LB/SF
GROUNDWATER ELEVATION = 885 FT

DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 20+14.75 ±–SBL–, 21′ RT, TO STATION 20+58.50 ±–SBL–, 21′ RT MAY NOT PENETRATE BELOW ELEVATION 873 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 STATION 20+14.75 ±–SBL–, 21′ RT, TO STATION 20+58.50 ±–SBL–, 21′ RT.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION 20+14.75 ±–SBL–, 21′ RT, TO STATION 20+58.50 ±–SBL–, 21′ RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

TEMPORARY SHORING NO. 2

FOR TEMPORARY SHORING AND POSITIVE PROTECTION FOR TEMPORARY SHORING, SEE PLANS AND TEMPORARY SHORING PROVISION.

TEMPORARY SHORING IS REQUIRED FOR THE END BENT CONSTRUCTION FROM STATION 22+21.25 ±-SBL-, 21′ RT, TO STATION 22+65.00 ±-SBL-, 21′ 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 STATION 22+21.25 ±-SBL-, 21′ RT, TO STATION 22+65.00 ±-SBL-, 21′ RT, FOR THE FOLLOWING ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION:

UNIT WEIGHT = 120 LB/CF
FRICTION ANGLE = 30 DEGREES
COHESION = 0 LB/SF
GROUNDWATER ELEVATION = 885 FT DRIVEN PILING FOR TEMPORARY SHORING FROM STATION 22+21.25 ± -SBL-, 21′ RT, TO STATION 22+65.00 ±-SBL-, 21′ RT MAY NOT PENETRATE BELOW ELEVATION 890 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 STATION 22+21.25 ±-SBL-, 21′ RT, TO STATION 22+65.00 ±-SBL-, 21′ RT.

IT MAY BE PREFERRED TO USE A TEMPORARY SOIL NAIL WALL FOR TEMPORARY SHORING FROM STATION 22+21.25 ±-SBL-, 21′ RT, TO STATION 22+65.00 ±-SBL-, 21′ RT. FOR TEMPORARY SOIL NAIL WALLS, SEE TEMPORARY SOIL NAIL WALLS PROVISION.

TIP NO.	SHEET NO.
B-5783	TMP-14

APPROVED:

DATE:

SEAL

NORTH CAROLINA PROFESSIONAL SEAL 055260 ENGINEER EVAN BRIGHAM
07-14-2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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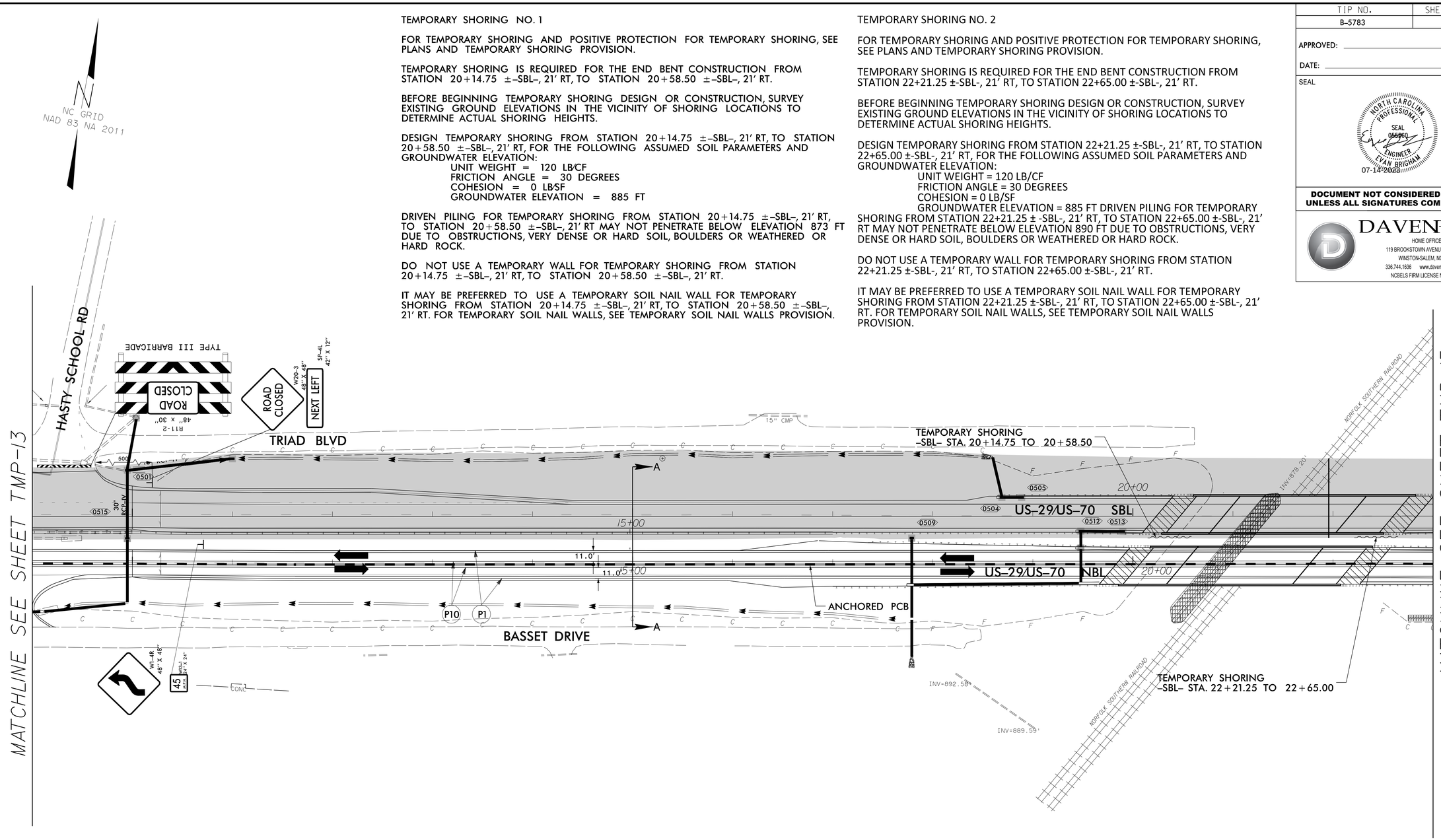

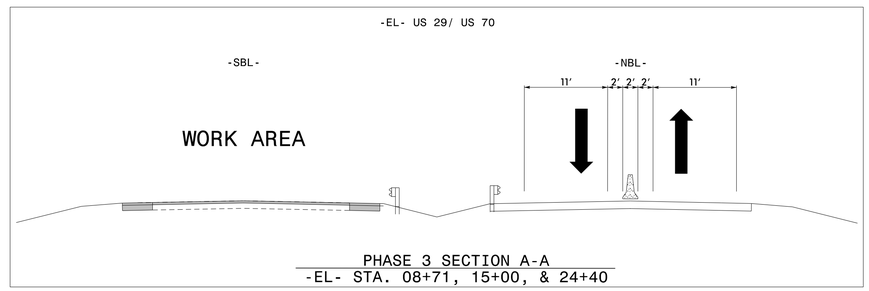

PHASE 3 SECTION A-A
-EL- STA. 08+71, 15+00, & 24+40

PHASE 3
PLAN SHEET

$$$$$$SCALE$$$$$$
$$$$$$