

FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES ARE SHOWN TO PILE CENTERLINE.
ORIENT PILES AS SHOWN.

NOTES:

- SEE ROADWAY PLANS AND SECTION 235 OF THE STANDARD SPECIFICATIONS FOR THE SETTLEMENT GAUGES REQUIRED AT END BENT NO.1 AND END BENT NO.2.
- FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
- PILES AT BENT NO.1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 85 TONS PER PILE.
- DRIVE PILES AT BENT NO.1 TO A REQUIRED DRIVING RESISTANCE OF 145 TONS PER PILE.
- THE SPREAD FOOTINGS AT END BENT NO.1 AND END BENT NO.2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 3.5 TSF.
- OBSERVE A 1 MONTH WAITING PERIOD AFTER CONSTRUCTING THE END BENT RETAINING WALL UP TO THE BOTTOM OF FOOTING ELEVATION BEFORE BEGINNING CONSTRUCTION OF THE FOOTING AND CAP AT END BENT NO.1 AND END BENT NO.2. FOR BRIDGE WAITING PERIODS, SEE ROADWAY PLANS AND SPECIAL PROVISIONS.
- SURVEY AND RECORD THE BOTTOM OF FOOTING ELEVATION FOR END BENT NO.1 AND END BENT NO 2 AT THE FOLLOWING POINTS DURING CONSTRUCTION. REPORT THESE ELEVATIONS TO THE ENGINEER.
 - A. AFTER COMPLETION OF THE FOOTING AND CAP.
 - B. AFTER COMPLETION OF THE SUPERSTRUCTURE AND BRIDGE DECK.

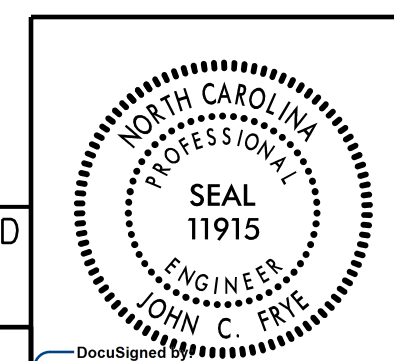
TEMPORARY SHORING NOTES:

- 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.
- SEE STANDARD DETAIL NO.1801.01 FOR STANDARD TEMPORARY SHORING AND 1801.02 FOR STANDARD TEMPORARY WALLS.
- WHEN BACKFILL FOR RETAINING WALLS OVERLAPS WITH THE REINFORCED ZONE OF TEMPORARY WALLS, USE SHORING BACKFILL OR BACKFILL MATERIAL REQUIRED FOR RETAINING WALLS, WHICHEVER IS BETTER, IN THE REINFORCED ZONE OF TEMPORARY WALLS.
- DESIGN TEMPORARY SHORING FOR THE ASSUMED SOIL PARAMETERS AND GROUNDWATER ELEVATION. INFORMATION PROVIDED FOR TEMPORARY SHORING DESIGN MAY NOT BE APPLICABLE TO THE ACTUAL SITE CONDITIONS ENCOUNTERED DURING CONSTRUCTION.
- THE ASSUMED SOIL PARAMETERS ARE
 - FROM STATION 20+60 -Y5-, 40.0 FT LT, TO STATION 21+25 -Y5-, 40.0 FT LT:
UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 28 DEGREES
COHESION (c) = 0 LB/SF
ASSUMED GROUNDWATER ELEVATION = 830 FT
 - FROM STATION 22+95 -Y5-, 35.0 FT LT, TO STATION 23+60 -Y5-, 35.0 FT LT:
UNIT WEIGHT (γ) = 120 LB/CF
FRICTION ANGLE (ϕ) = 28 DEGREES
COHESION (c) = 0 LB/SF
ASSUMED GROUNDWATER ELEVATION = 830 FT

PROJECT NO. U-2525C
GUILFORD COUNTY
STATION: 22+29.98 -Y5-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH
GENERAL DRAWING
BRIDGE ON SR 1001
(NORTH CHURCH ST.) OVER
GEL I-85 BYPASS BETWEEN
SR 2373 AND SR 2348



DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PLANS PREPARED BY:
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REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	ST-2
1			3			TOTAL SHEETS
2			4			28

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