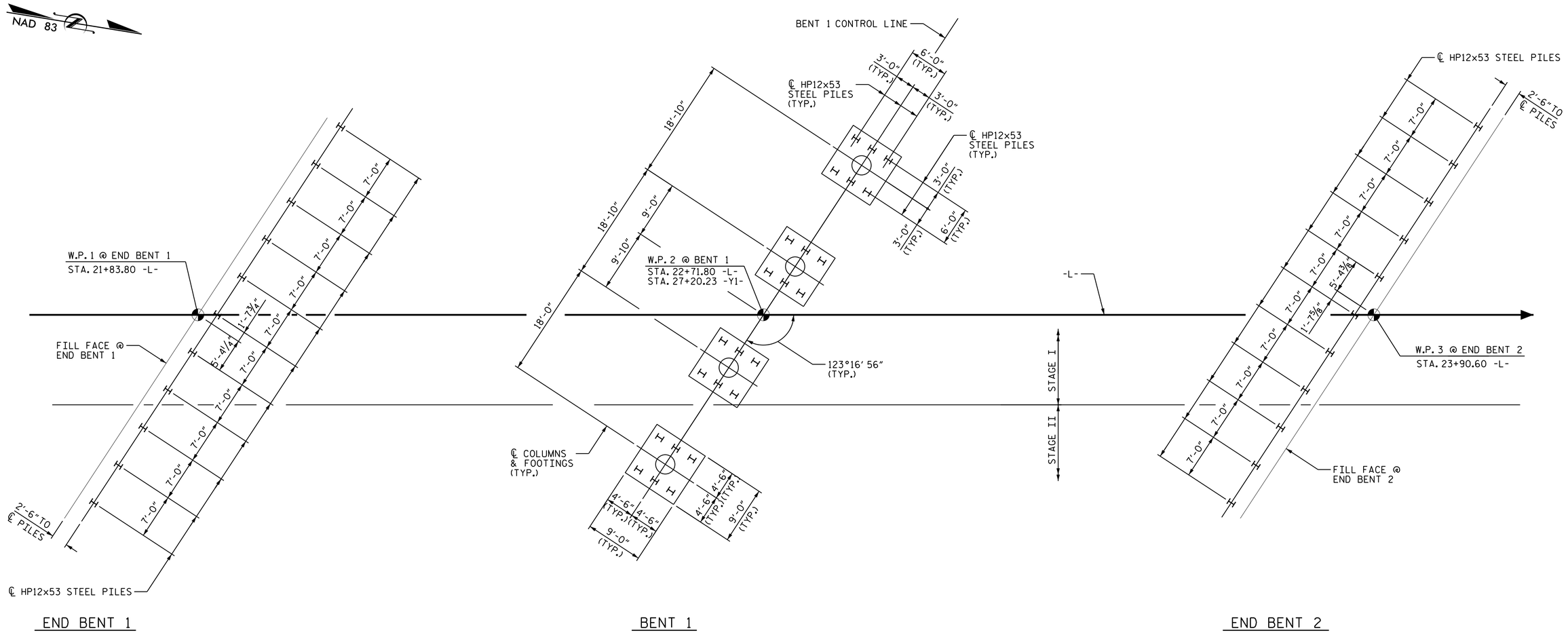


# FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES ARE SHOWN TO CENTERLINE OF PILES.
DIMENSIONS LOCATING FOOTINGS ARE SHOWN TO CENTERLINE OF COLUMNS AND FOOTINGS.

## FOUNDATION NOTES:

1) FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
2) PILES AT END BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.
3) PILES AT BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 105 TONS PER PILE.
4) PILES AT END BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 110 TONS PER PILE.
5) DRIVE PILES AT END BENT 1 TO A REQUIRED DRIVING RESISTANCE OF 170 TONS PER PILE.
6) DRIVE PILES AT BENT 1 TO A REQUIRED DRIVING RESISTANCE OF 175 TONS PER PILE.
7) DRIVE PILES AT END BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 185 TONS PER PILE.
8) INSTALL PILES AT BENT NO. 1 TO A TIP ELEVATION NO HIGHER THAN 318.0 FT.
9) STEEL H-PILE POINTS ARE REQUIRED FOR STEEL H-PILES AT BENT NO. 1. FOR STEEL PILE POINTS, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
10) DYNAMIC PILE TESTING OF THE FIRST PRODUCTION PILE DURING DRIVING, RESTRIKING OR REDRIVING MAY BE REQUIRED. FOR DYNAMIC PILE TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
11) DRIVE PILES AT END BENT NO. 1 AND END BENT NO. 2 AFTER CONSTRUCTION OF THE MSE WALL.

PROJECT NO. B-4654
WAKE COUNTY
STATION: 22+71.80 -L-

SHEET 2 OF 3

DRAWN BY : K. MUENCH DATE : 11/2018
CHECKED BY : J.C. MORRISON DATE : 11/2018
DESIGNED BY : K. MUENCH DATE : 11/2018
DESIGN CHECKED BY : J.C. MORRISON DATE : 11/2018

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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C957B167F932420...
1/11/2024

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

# BRIDGE ON NC 50 OVER US 70 BETWEEN SR 2812 & SR 1004

| REVISIONS | | | | | | SHEET NO. |
|---|---|---|---|---|---|---|
| NO. | BY: | DATE: | NO. | BY: | DATE: | S-02 |
| 1 | | | 3 | | | TOTAL SHEETS |
| 2 | | | 4 | | | 49 |