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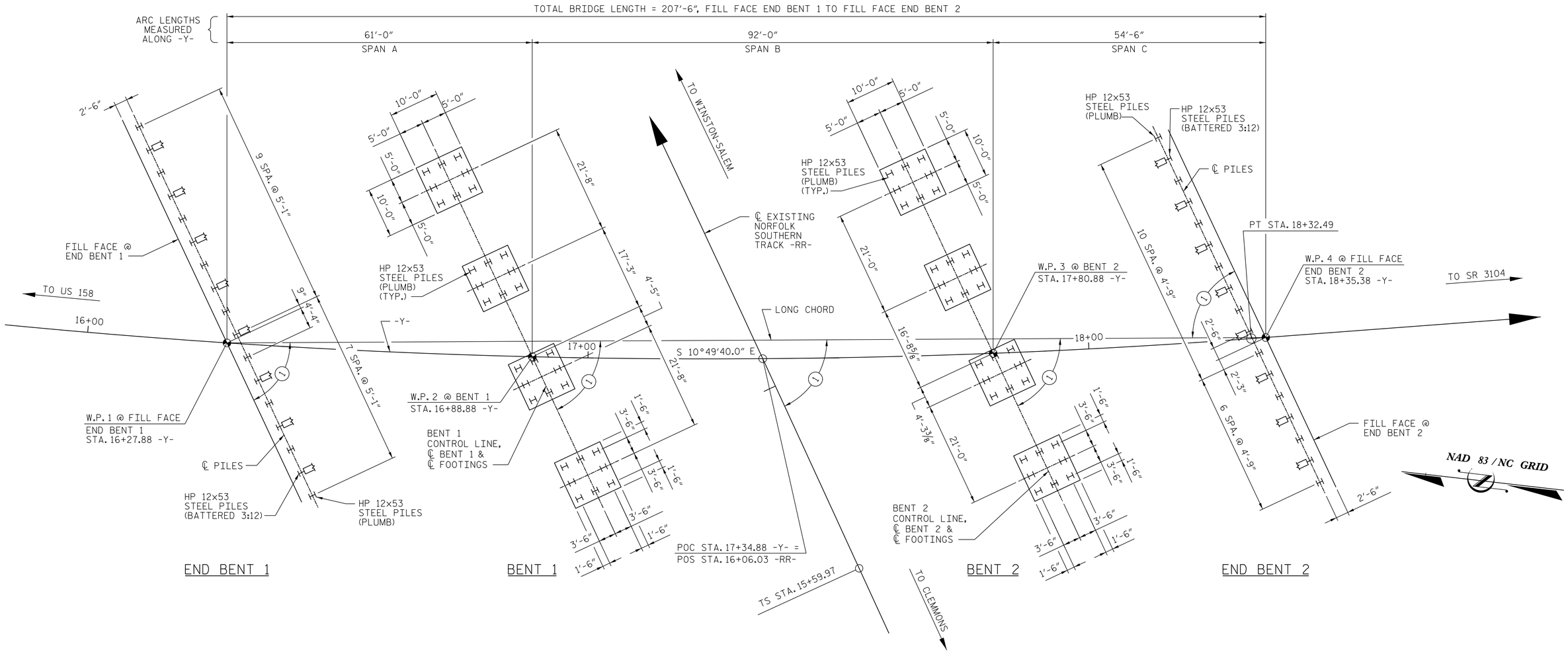

FOUNDATION LAYOUT

(1) 65°09'40" TO LONG CHORD

NOTES:

1. FOR PILES, SEE PROJECT SPECIAL PROVISIONS AND SECTION 450 OF THE STANDARD SPECIFICATIONS.
2. PILES AT END BENT NO. 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 70 TONS PER PILE.
3. DRIVE PILES AT END BENT NO. 1 TO A REQUIRED DRIVING RESISTANCE OF 120 TONS.
4. PILES AT END BENT NO. 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 65 TONS PER PILE.
5. DRIVE PILES AT END BENT NO. 2 TO A REQUIRED DRIVING RESISTANCE OF 110 TONS PER PILE.
6. PILES AT BENT NO. 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.
7. DRIVE PILES AT BENT NO. 1 TO A REQUIRED DRIVING RESISTANCE OF 170 TONS PER PILE.
8. PILE EXCAVATION IS REQUIRED TO INSTALL PILES AT BENT NO. 1. EXCAVATE HOLES AT PILE LOCATIONS TO ELEVATION 779 FT. FOR PILE EXCAVATION, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.
9. CONCRETE IS REQUIRED TO FILL HOLES FOR PILE EXCAVATION AT BENT NO. 1.
10. 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.
11. PILES AT BENT NO. 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 95 TONS PER PILE.
12. DRIVE PILES AT BENT NO. 2 TO A REQUIRED DRIVING RESISTANCE OF 160 TONS PER PILE.

PROJECT NO. U-2707

FORSYTH COUNTY

STATION: 17+34.88 -Y-

SHEET 2 OF 4 BRIDGE NO. 109

AECOM
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NORTH CAROLINA PROFESSIONAL SEAL 030474 ENGINEER JOHN C. MORRICON
DocuSigned by: John C. Morrison
1/12/2016

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON SR 2999
(HAMPTON ROAD) OVER
NORFOLK SOUTHERN RAILROAD
BETWEEN US 158 AND SR 3104

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-44
1			3			TOTAL SHEETS
2			4			86

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY : KHC DATE : 10/2015
CHECKED BY : JCM DATE : 10/2015

DATE: 1/12/2016
TIME: 8:49:22 AM

USER: kyle_compton
DGN: R:\Bridge\109\Cadd\402_003_U2707_SMU_S44_GD02.dgn