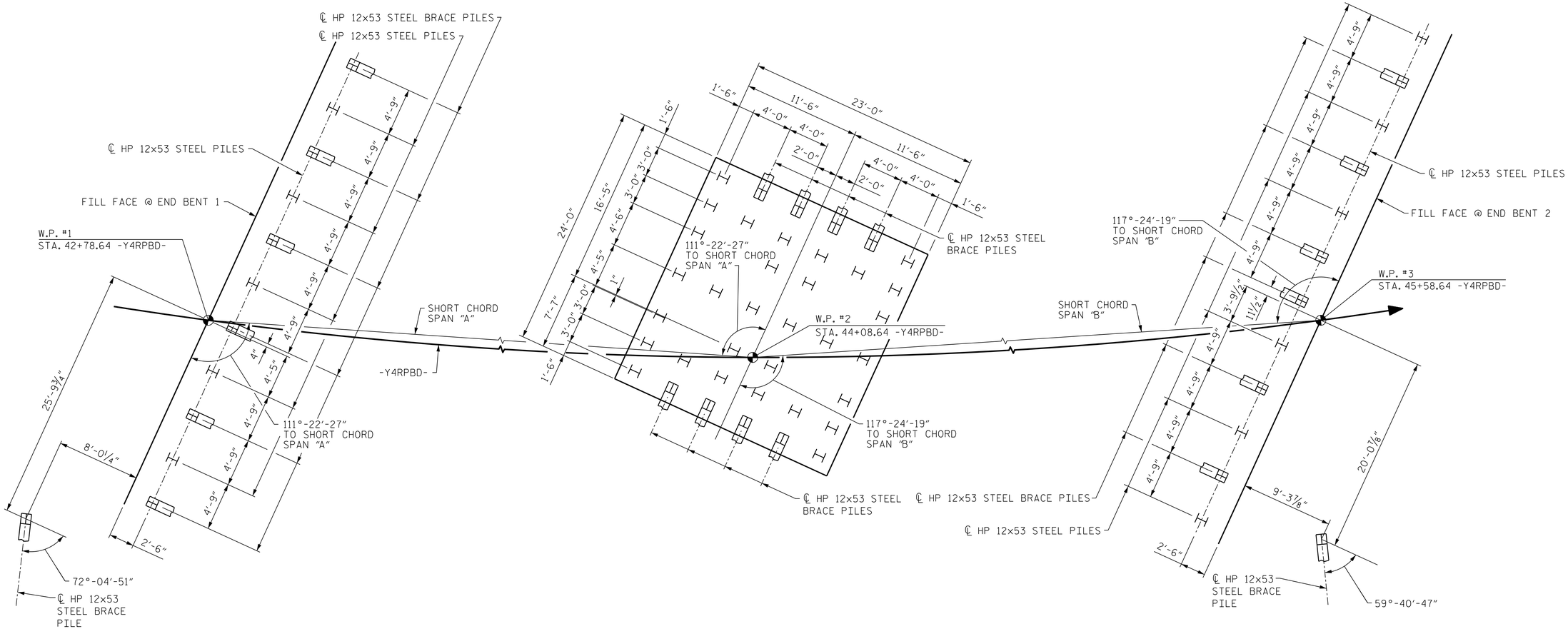

END BENT #1 | BENT #1 | END BENT #2

FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES ARE SHOWN TO THE CENTERLINE OF PILES.
ORIENT PILES AS SHOWN.

NOTES

THE FOLLOWING FOUNDATION NOTES HAVE BEEN PROVIDED BY THE NCDOT GEOTECHNICAL ENGINEERING UNIT:

FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.

DRIVE PILES AT END BENT 1 TO A REQUIRED DRIVING RESISTANCE OF 167 TONS PER PILE.

OBSERVE A 30 DAY WAITING PERIOD AFTER CONSTRUCTING THE EMBANKMENT TO WITHIN 2 FT OF FINISHED GRADE BEFORE BEGINNING END BENT CONSTRUCTION AT END BENT 1.

PILES AT BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.

DRIVE PILES AT BENT 1 TO A REQUIRED DRIVING RESISTANCE OF 167 TONS PER PILE.

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.

PILES AT END BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 100 TONS PER PILE.

DRIVE PILES AT END BENT NO.2 TO A REQUIRED DRIVING RESISTANCE OF 167 TONS PER PILE.

OBSERVE A 30 DAY WAITING PERIOD AFTER CONSTRUCTING THE EMBANKMENT TO WITHIN 2 FT OF FINISHED GRADE BEFORE BEGINNING END BENT CONSTRUCTION AT END BENT NO.2.

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 44+08.64 -Y4RPBD-
98+02.89 -Y4-
SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON RAMP BD OVER US-421/I40 BUS. BETWEEN WINSTON-SALEM NORTHERN BELTWAY AND US-421/I40 BUS.

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-545
1			3			TOTAL SHEETS
2			4			707

STR. #15

PARSONS BRINCKERHOFF
434 FAYETTEVILLE STREET
SUITE 1500
RALEIGH, NC 27601
LICENSE NO. F-0165

NORTH CAROLINA PROFESSIONAL SEAL 032967 ENGINEER JASON R. DOUGHTY
DocuSigned by: Jason R Doughty 00F1C86448274F7... 6/2/2014

DESIGNED BY:	B. LOFLIN, J. SMITH	DATE :	APR 2014
DRAWN BY:	K. WHITE	DATE :	APR 2014
CHECKED BY:	J. DOUGHTY	DATE :	APR. 2014
DESIGN ENGINEER OF RECORD:	J. DOUGHTY	DATE :	MAY 2014

6/2/2014
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