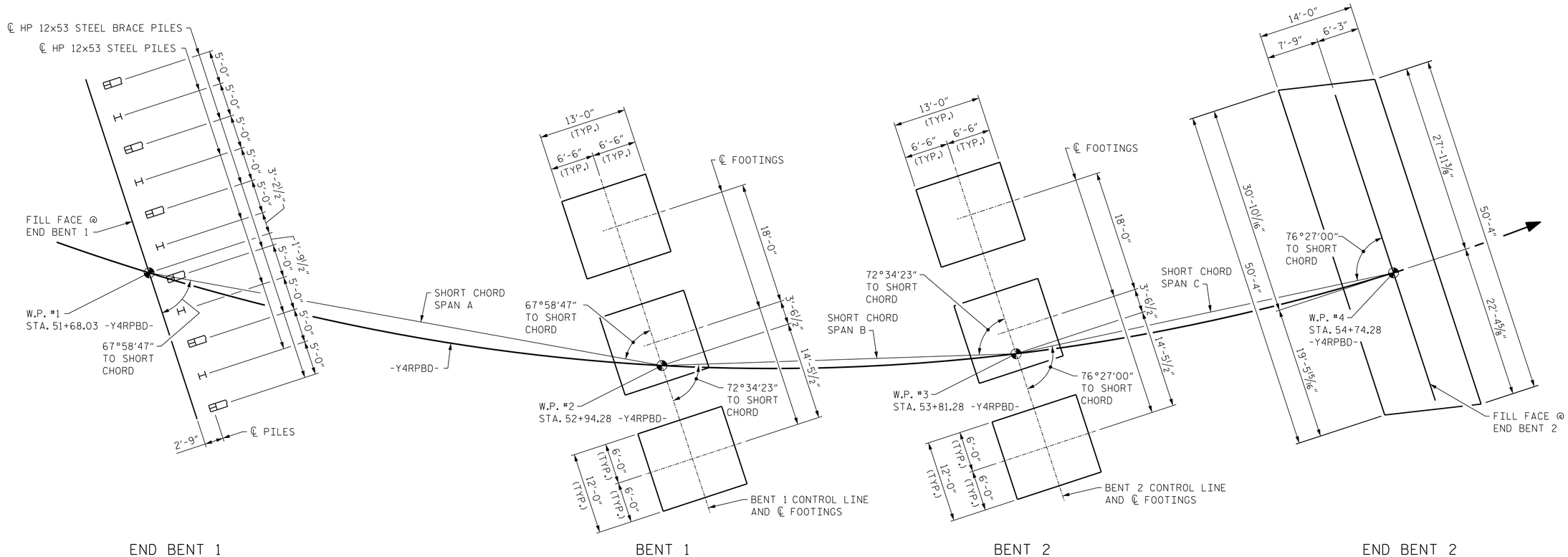

FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES ARE SHOWN TO 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.

THE SPREAD FOOTINGS FOR BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 10 TSF. CHECK FIELD CONDITIONS FOR THE REQUIRED RESISTANCE OF 30 TSF JUST BEFORE PLACING CONCRETE.

CARRY IN SPREAD FOOTINGS AT BENT 1 AT LEAST 12" INTO ROCK WITH MINIMUM THICKNESS AS SHOWN ON PLANS.

THE SPREAD FOOTINGS FOR BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 10 TSF. CHECK FIELD CONDITIONS FOR THE REQUIRED RESISTANCE OF 30 TSF JUST BEFORE PLACING CONCRETE.

CARRY IN SPREAD FOOTINGS AT BENT 2 AT LEAST 12" INTO ROCK WITH MINIMUM THICKNESS AS SHOWN ON PLANS.

THE SPREAD FOOTING FOR END BENT 2 IS DESIGNED FOR A FACTORED RESISTANCE OF 5.5 TSF. CHECK FIELD CONDITIONS FOR THE REQUIRED RESISTANCE OF 20 TSF JUST BEFORE PLACING CONCRETE.

CARRY IN SPREAD FOOTING AT END BENT 2 AT LEAST 12" INTO ROCK WITH MINIMUM THICKNESS AS SHOWN ON PLANS.

FOR END BENT 2, CONTACT THE RESIDENT ENGINEER AFTER THE FOOTING IS EXCAVTED TO THE BOTTOM OF FOOTING ELEVATION INDICATED.

PROJECT NO. U-2579B
FORSYTH COUNTY
STATION: 52+94.28 -Y4RPBD-
649+19.78 -L-

SHEET 2 OF 4

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON RAMP BD OVER WINSTON-SALEM NORTHERN BELTWAY BETWEEN WINSTON-SALEM NORTHERN BELTWAY AND US-421/I-40 BUS.

DESIGNED BY:	B. LOFLIN	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

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 6/2/2014
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REVISIONS

NO.	BY:	DATE:	NO.	BY:	DATE:
1			3		
2			4		

SHEET NO. S-586
TOTAL SHEETS 707

STR. #16

6/2/2014
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