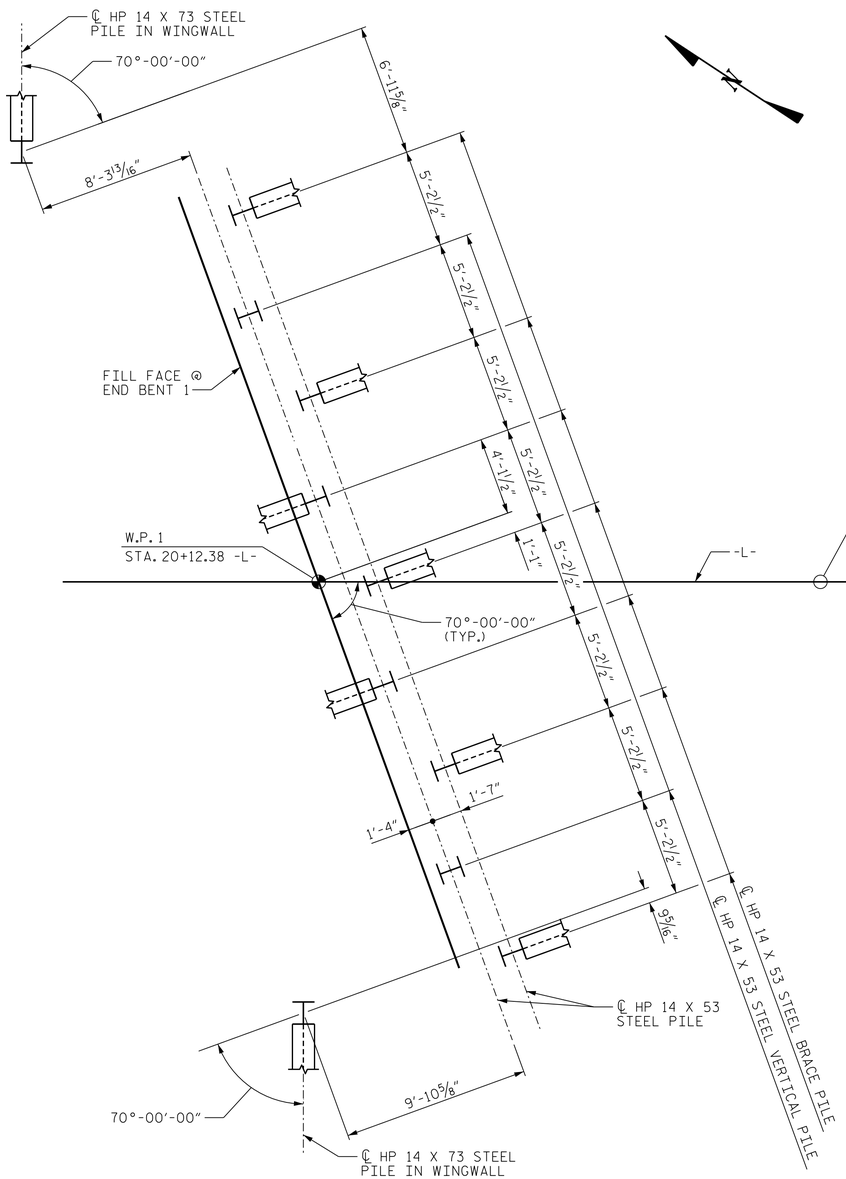
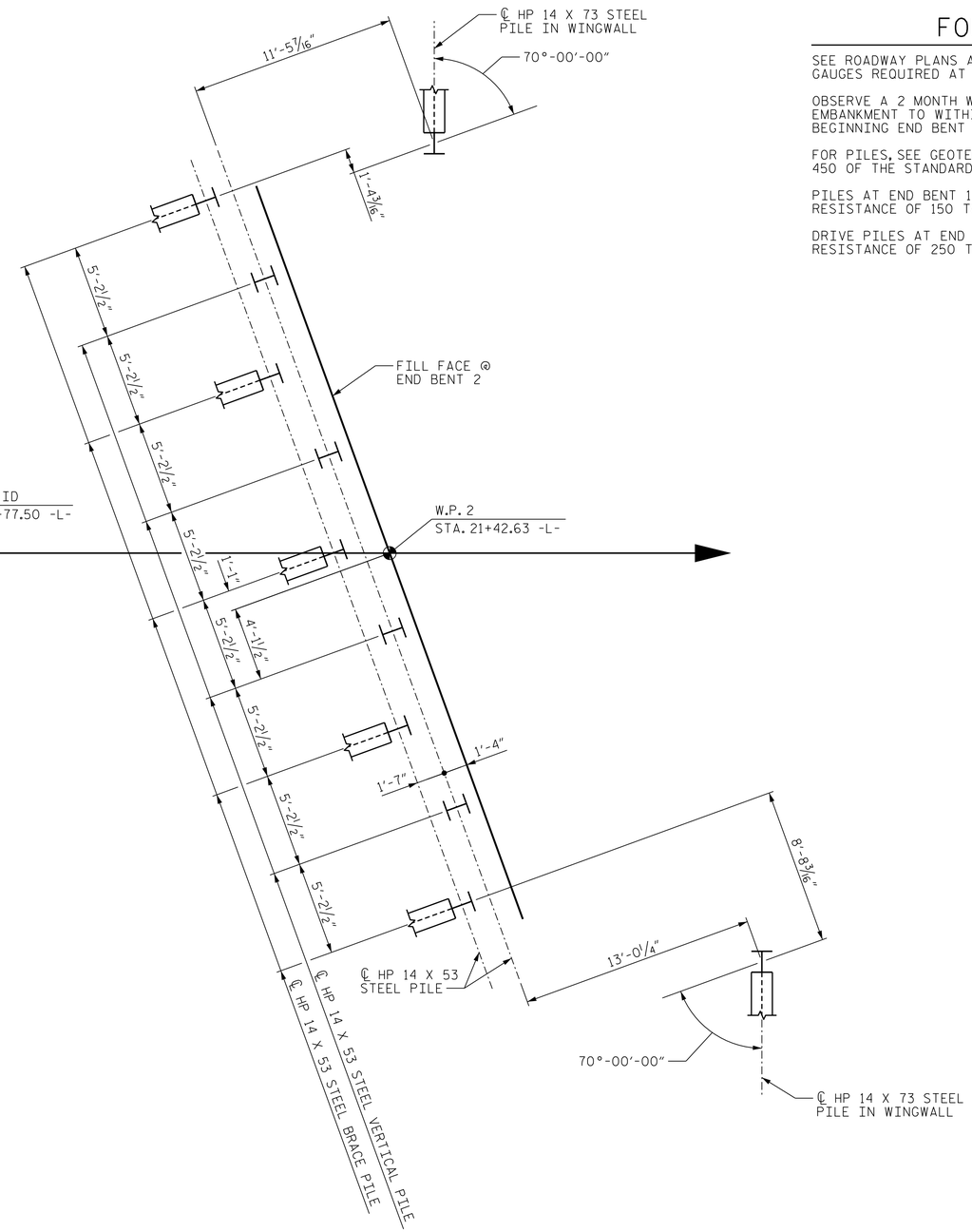


END BENT 1



END BENT 1

END BENT 2

-L-

BRIDGE ID
STA. 20+77.50 -L-

FOUNDATION NOTES

SEE ROADWAY PLANS AND SPECIAL PROVISIONS FOR THE SETTLEMENT GAUGES REQUIRED AT END BENTS 1 AND 2.

OBSERVE A 2 MONTH WAITING PERIOD AFTER CONSTRUCTING THE EMBANKMENT TO WITHIN 2 FEET OF THE FINISHED GRADE BEFORE BEGINNING END BENT CONSTRUCTION AT END BENTS 1 AND 2.

FOR PILES, SEE GEOTECHNICAL SPECIAL PROVISION AND SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT 1 AND END BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 150 TONS PER PILE.

DRIVE PILES AT END BENT 1 AND END BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 250 TONS PER PILE.

FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES ARE SHOWN TO THE PILE CENTERLINE AT THE BOTTOM OF CAP.

BRACE PILES ARE TO BE BATTERED AT 3:12 IN THE DIRECTION INDICATED.

PROJECT NO. R-5771
HENDERSON COUNTY
STATION: 20+77.50 -L-

SHEET 2 OF 3

NORTH CAROLINA PROFESSIONAL SEAL 027799 ENGINEER ALLYSON K. ORR
3/27/2017

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

MI ENGINEERING
1011 SCHAUB DRIVE, SUITE 100
RALEIGH, NC 27606
(919) 851-6606
FIRM PE NUMBER : P-0671

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON SR 1690
OVER McDOWELL CREEK
BETWEEN SR 1419 AND NC 280

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

SHEET NO. S-2
TOTAL SHEETS 29

DRAWN BY :	B.E. LANNING	DATE :	03/17
CHECKED BY :	A.K. ORR	DATE :	03/17
DESIGN ENGINEER OF RECORD :	A.K. ORR	DATE :	03/17

3/27/2017
2:13:47 PM
User: blanning
Filename: P:\NC Bridges\MI6002_MA_R-5771 Br. Repl. (Div. 14)\R-5771\Structures\401_003_R5771_SMU_G02.dgn