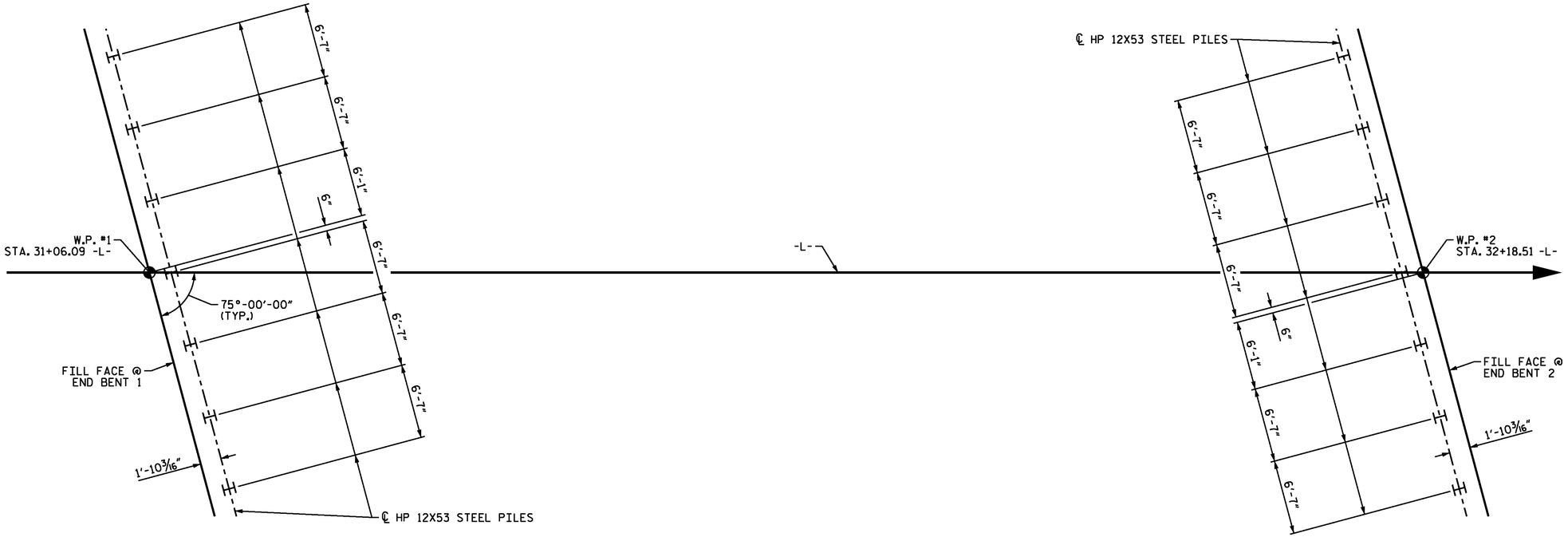

END BENT 1
INTEGRAL

END BENT 2
INTEGRAL

FOUNDATION LAYOUT

NOTES

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

PILES AT END BENT 1 AND END BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 130 TONS PER PILE.

DRIVE PILES AT END BENT 1 AND END BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 175 TONS PER PILE.

TESTING THE FIRST PRODUCTION PILE WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING IS REQUIRED AT END BENT 1 AND END BENT 2. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

CONSTRUCT MSE RETAINING WALL 1 AND MSE RETAINING WALL 2 BEFORE INSTALLING FOUNDATIONS FOR END BENT 1 AND END BENT 2.

INSTALL A 16 GAGE 24-INCH DIAMETER CORRUGATED STEEL PIPE FOR EACH END BENT PILE LOCATION THROUGH THE WALL BACKFILL ZONE DURING MSE WALL CONSTRUCTION. DRIVE END BENT PILES AT END BENT 1 AND 2 THROUGH THE PIPES AFTER COMPLETION OF BOTH THE MSE WALLS AND WAITING PERIODS AND FILL THE PIPES WITH SAND BEFORE END BENT CAP CONSTRUCTION. FOR 16 GAGE 24-INCH DIAMETER CORRUGATED PIPES, SEE MSE RETAINING WALL PLANS.

OBSERVE A 1 MONTH WAITING PERIOD AFTER CONSTRUCTING MSE RETAINING WALL 1 AND A 2 MONTH WAITING PERIOD FOR MSE RETAINING WALL 2 TO THE BOTTOM OF CAP ELEVATION BEFORE BEGINNING END BENT CONSTRUCTION. FOR BRIDGE WAITING PERIODS, SEE ROADWAY PLANS AND SPECIAL PROVISIONS.

PROJECT NO. B-4616
ROBESON COUNTY
STATION: 31+55.47 -L-
12+10.30 -Y1-
SHEET 2 OF 4

DESIGNED BY:	M.J. OSTRISHKO	DATE :	04/2016
DRAWN BY:	M.J. OSTRISHKO	DATE :	04/2016
CHECKED BY:	J.D. BORUTA	DATE :	05/2016
DESIGN ENGINEER OF RECORD:	M.J. OSTRISHKO	DATE :	06/2016

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

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 037479 NICHOLAS A. PIERCE
8/2/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON NC 211
OVER CSX RAILROAD
BETWEEN
SR 1318 AND SR 1507

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S1-2
1			3			TOTAL SHEETS
2			4			25

7/26/2016
R:\Raleigh Office NCDOT\B-4616 Robeson County\400_Structures\Drafting\GD\401_003_B4616_SMU_FL01.dgn
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