DocuSign Envelope ID: BEF9B9C9-CDF8-497D-8D3A-C79544B16B6B

NOTES

FOR PILES. SEE SECTION 450 OF STANDARD SPECIFICATIONS.

PILES AT END BENT 1 AND END BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 75 TONS PER PILE.

DRIVE PILES AT END BENT 1 AND END BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 125 TONS PER PILE.

TESTING PILES WITH THE PDA DURING DRIVING, RESTRIKING OR REDRIVING MAY BE REQUIRED. THE ENGINEER WILL DETERMINE THE NEED FOR PDA TESTING. FOR PDA TESTING, SEE SECTION 450 OF THE STANDARD SPECIFIFCATIONS.

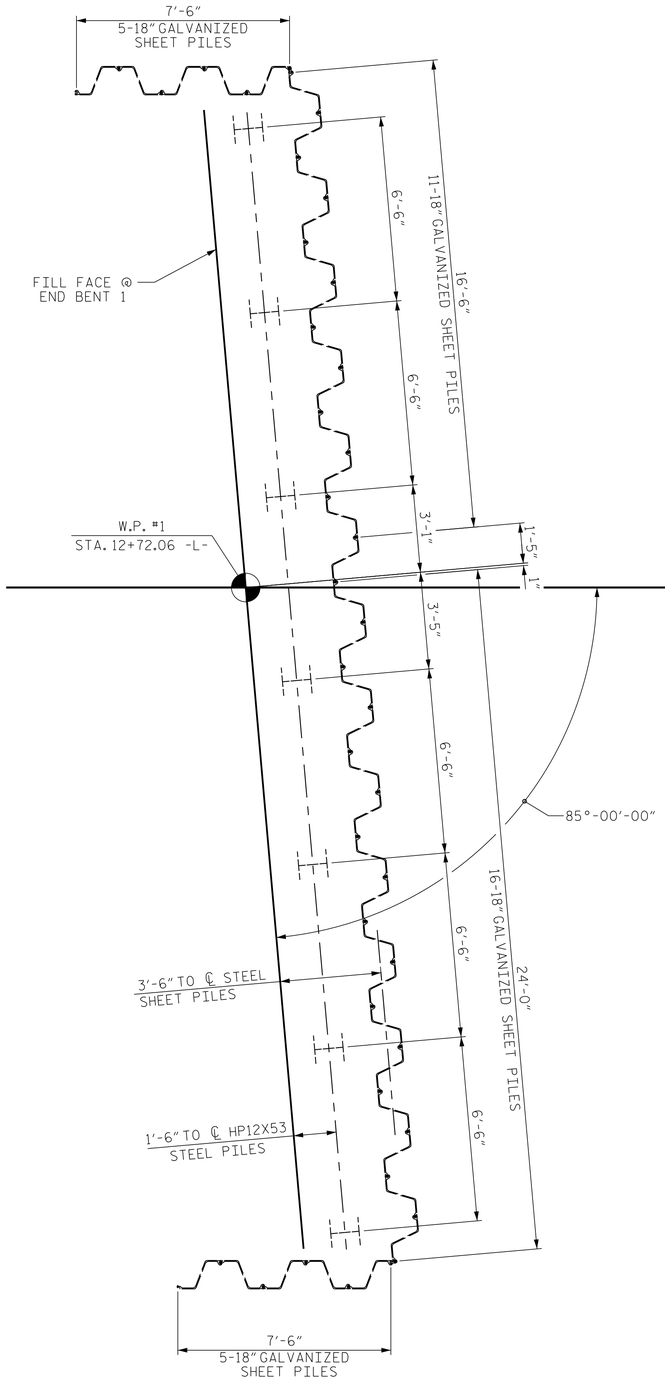
FOR 18" STEEL SHEET PILE, SEE SPECIAL PROVISION.

STEEL SHEET PILES SHALL HAVE A MINIMUM SECTION MODULUS OF 30.2 CUBIC INCHES PER FT.

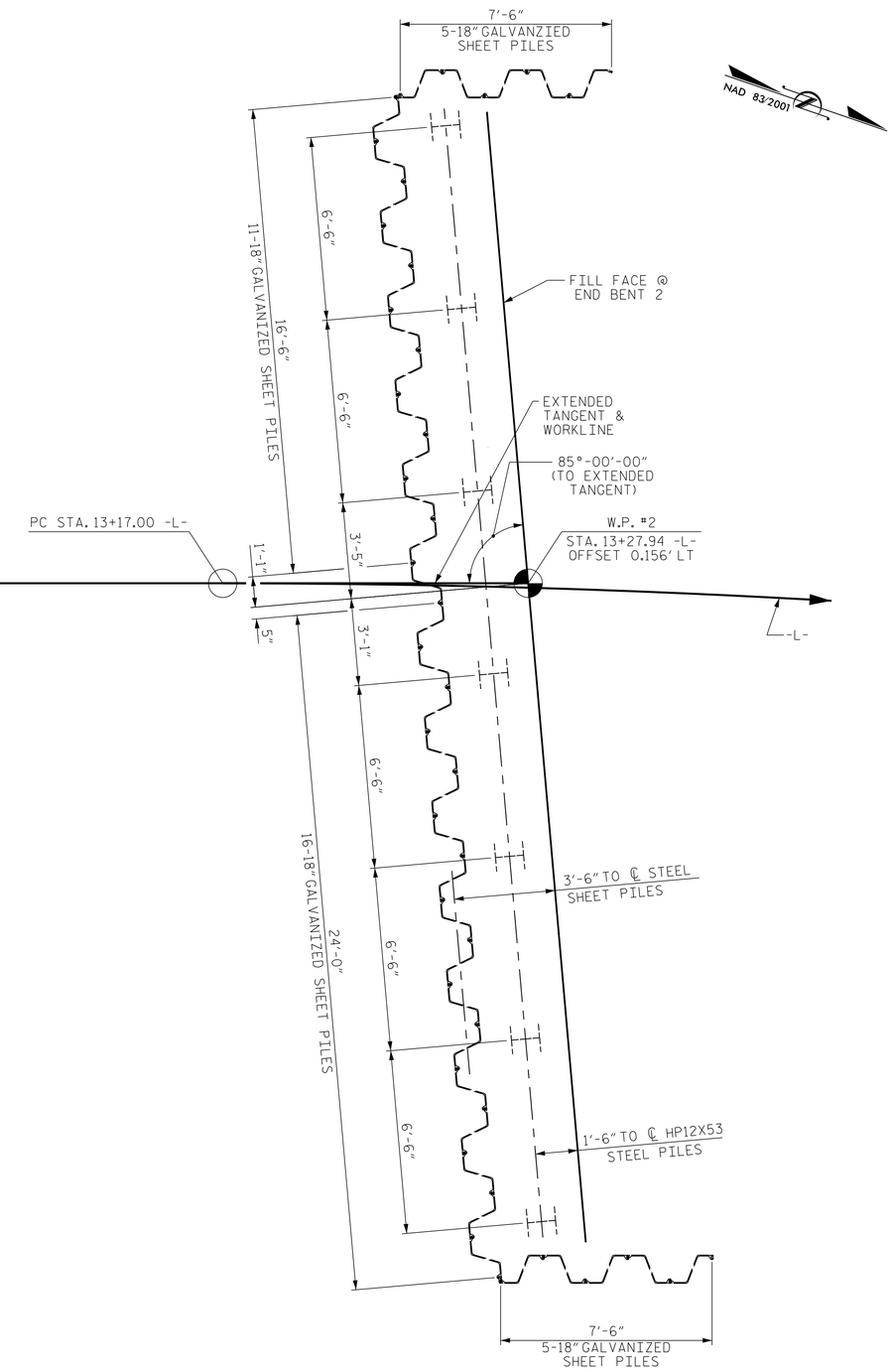
INSTALL SHEET PILES AT END BENT 1 AND 2 TO A TIP ELEVATION NO HIGHER THAN 9.0.

FOR SHEET PILE CONNECTIONS, SEE DETAILS "B" AND "C" ON END BENT SHEETS.

FOR PILES, SEE SPECIAL PROVISIONS.



END BENT #1



END BENT #2

BRIDGE IDENTITY
STA. 13+00.00 -L-

PC STA. 13+17.00 -L-

FOUNDATION LAYOUT

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

DocuSigned by:

NORTH CAROLINA PROFESSIONAL SEAL 22072 ENGINEER ARTHUR DILWORTH
3/14/2016

SEAL

REVISIONS			
NO.	DATE	DESCRIPTION	BY

1223 Jones Franklin Rd.
Raleigh, N.C. 27606
Bus: 919 851 8077
Fax: 919 851 8107
Lincense No. F-0377

ETHERILL ENGINEERING

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

B-5100, BRIDGE NO. 421
WBS NO. 42236.1.1
CITY OF GREENVILLE
PITT COUNTY NORTH CAROLINA

GENERAL DRAWING
(SHEET 2 OF 3)

DATE:	7/12
SCALE:	N /A
DRAWN:	GMG
CHECKED:	JAD
PROJ. NO.:	B-5100
SHEET NO. S-2	TOTAL SHEETS 21

3/14/2016
3:21:16 PM
R:\Bridge\Structures\DWG\B5100 SID FOUNDATION.dgn