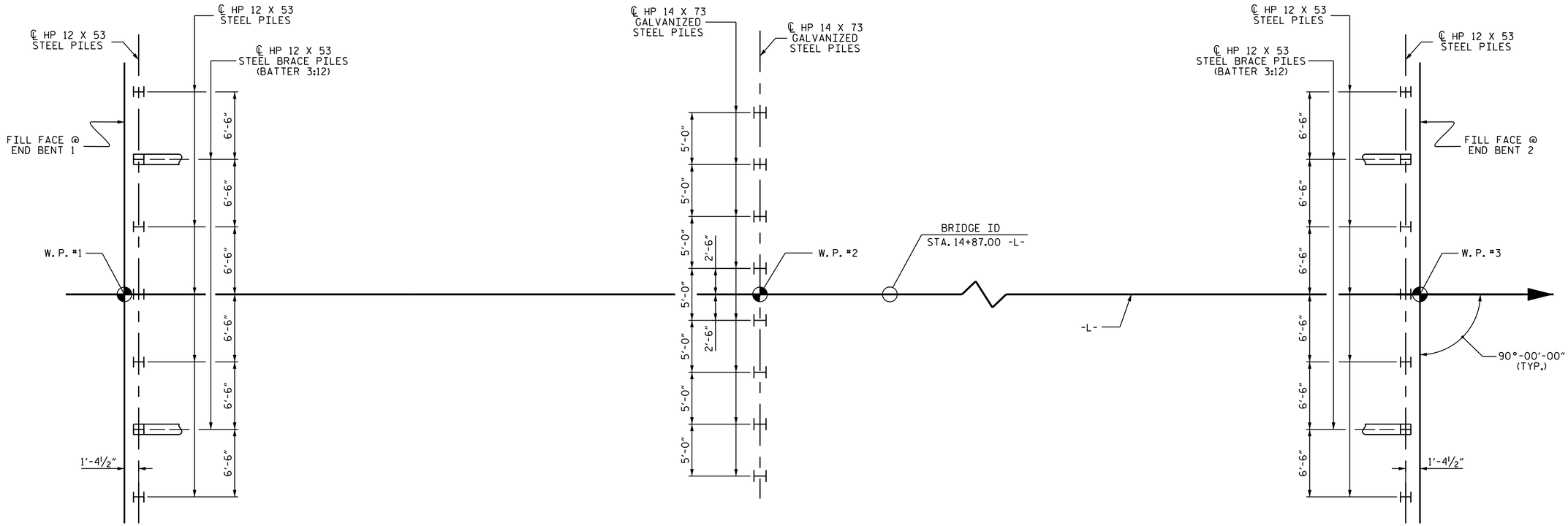

END BENT 1

BENT 1

END BENT 2

FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES
ARE SHOWN TO THE CENTERLINE OF PILES.

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 105 TONS PER PILE.

PILES AT BENT 1 ARE DESIGNED FOR A FACTORED RESISTANCE OF 159 TONS PER PILE.

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

DRIVE PILES AT BENT 1 TO A REQUIRED DRIVING RESISTANCE OF 266 TONS PER PILE. THIS REQUIRED DRIVING RESISTANCE INCLUDES ADDITIONAL RESISTANCE FOR DOWNDRAG OR SCOUR.

INSTALL PILES AT BENT 1 TO A TIP ELEVATION NO HIGHER THAN 374.0.

THE SCOUR CRITICAL ELEVATION FOR BENT 1 IS ELEVATION 382.0 SCOUR CRITICAL ELEVATIONS ARE USED TO MONITOR POSSIBLE SCOUR PROBLEMS DURING THE LIFE OF THE STRUCTURE.

PROJECT NO. B-5362

MONTGOMERY COUNTY

STATION: 14+87.00 -L-

SHEET 2 OF 3

NORTH CAROLINA PROFESSIONAL SEAL 031583 ENGINEER KRISHNA PRASAD SEDAI

DocuSigned by: Krishna P. Sedai
E46F7941508F487...
8/15/2017

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE OVER DROWNING CREEK ON NC 73 BETWEEN SR 1527 AND SR 1124

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-2
1			3			TOTAL SHEETS
2			4			21

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DRAWN BY :	A. SORSENGINH	DATE :	7/2016
CHECKED BY :	E. K. POPE	DATE :	4/2017
DESIGN ENGINEER OF RECORD:	A. SORSENGINH	DATE :	7/2017

15-AUG-2017 14:26
W:\Structures\Final Plans\401_003_B5362_SMU_FL_002_610053.dgn
ksedai