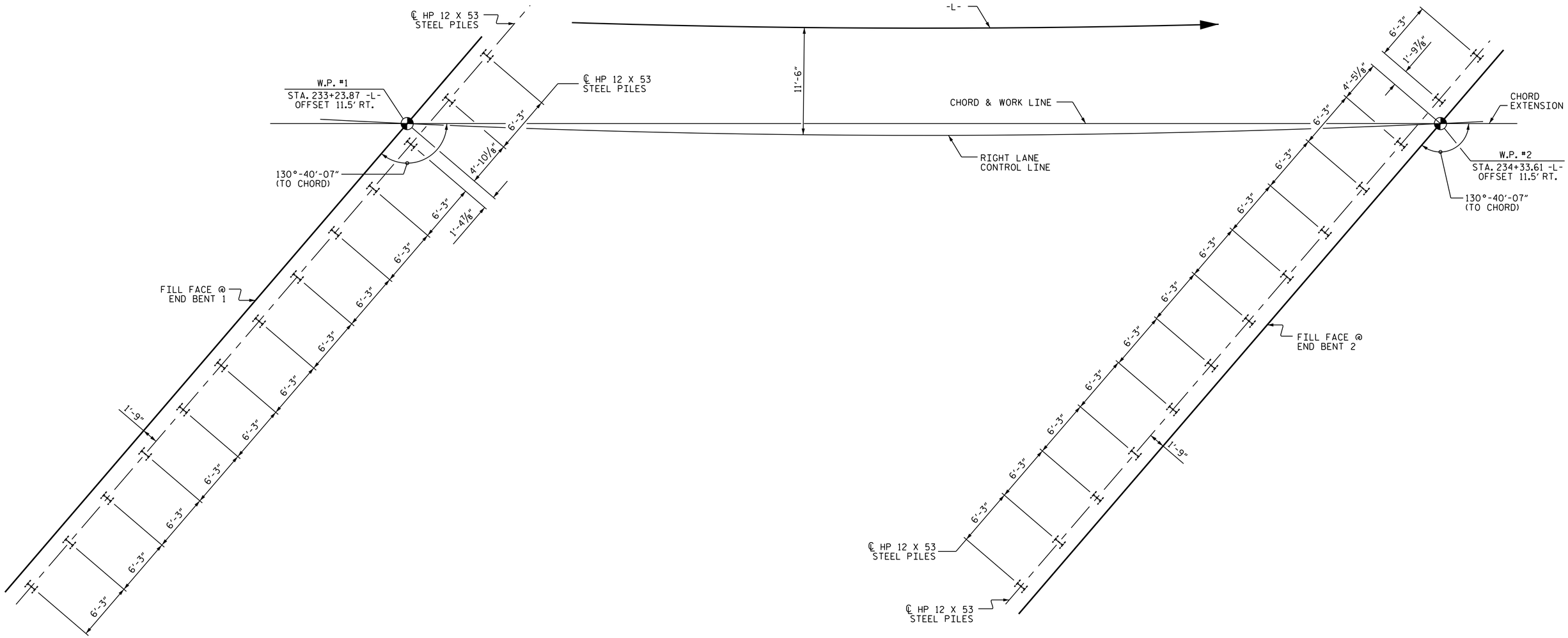

END BENT 1

END BENT 2

FOUNDATION LAYOUT

DIMENSIONS LOCATING PILES ARE
SHOWN TO THE CENTERLINE OF PILES.

NOTES

FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT BOTH END BENTS 1 AND 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 90 TONS PER PILE.

CONCRETE OR GROUT IS REQUIRED TO FILL HOLES FOR PILE EXCAVATION AT BOTH END BENTS 1 AND 2.

PILE EXCAVATION IS REQUIRED TO INSTALL PILES AT END BENT 1. EXCAVATE HOLES AT PILE LOCATIONS TO ELEVATION 792 FT AND WITH THE PENETRATION AT LEAST 1 FT INTO ROCK AS DEFINED BY ARTICLE 411-1 OF THE STANDARD SPECIFICATIONS. FOR PILE EXCAVATION, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILE EXCAVATION IS REQUIRED TO INSTALL PILES AT END BENT 2. EXCAVATE HOLES AT PILE LOCATIONS TO ELEVATION 790 FT (LT), 788 FT (CTR) AND 784 FT (RT) AND WITH THE PENETRATION AT LEAST 1 FT INTO ROCK AS DEFINED BY ARTICLE 411-1 OF THE STANDARD SPECIFICATIONS. FOR PILE EXCAVATION, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

DO NOT USE PILE DRIVING TO INSTALL PILES AT END BENTS 1 AND 2.

NORTH CAROLINA PROFESSIONAL SEAL 16301 ENGINEER TING-HSIUNG FANG

DocuSigned by: Tingh Fang
E72086A20077435...
12/3/2014

PROJECT NO. U-3615B
GUILFORD COUNTY
STATION: 233+87.56 -L- POC

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING

FOR BRIDGE ON SR 1820
(SKEET CLUB ROAD) OVER
36" Ø PETROLEUM PIPELINE

RIGHT LANE

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-70
1			3			TOTAL SHEETS
2			4			91

DRAWN BY : T. KIRSCHBAUM DATE : 8/20/13
CHECKED BY : T. H. FANG DATE : 9/10/13
DESIGN ENGINEER OF RECORD: E. I. OMILE DATE : 1/6/14

03-DEC-2014 12:06
K:\TIPProjects-U\U3615b\Structures\Plans\Str3\Final plans\u3615b3_sd_gd.dgn
ttfang

STR. #3