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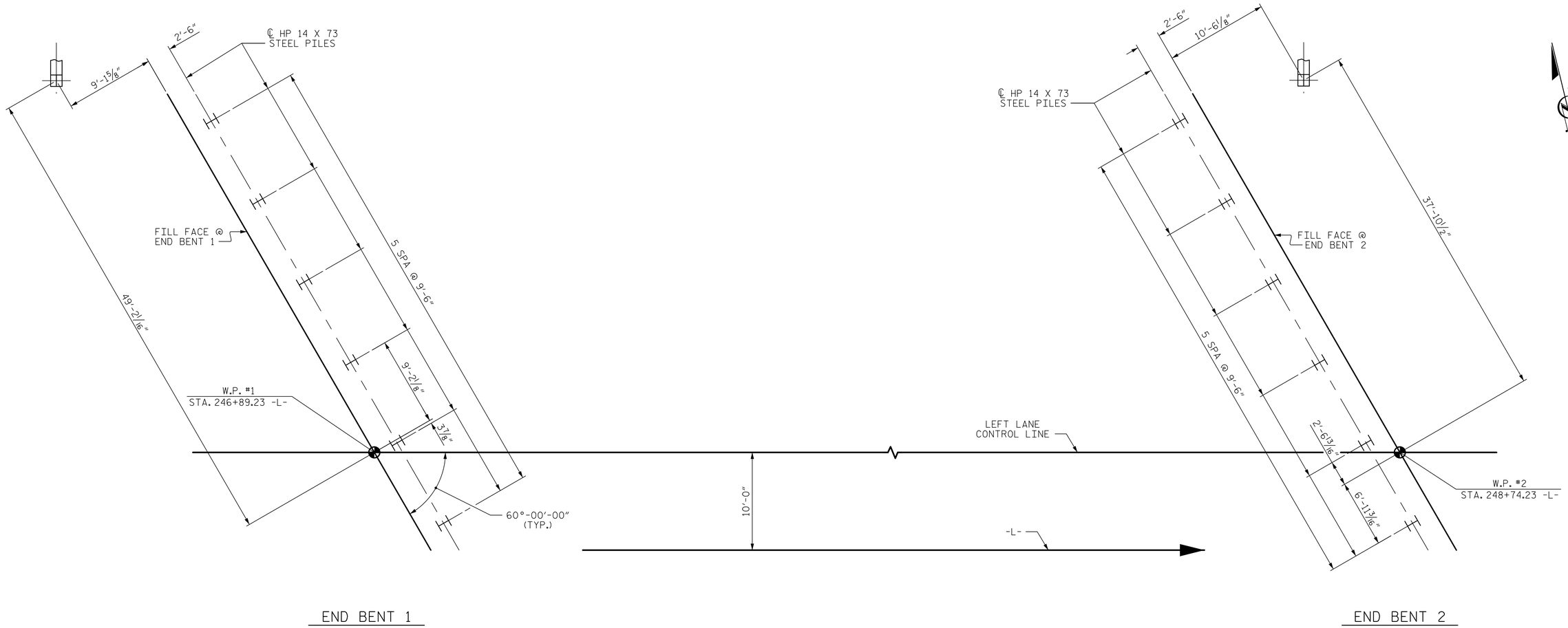

FOUNDATION LAYOUT

(DIMENSIONS LOCATING PILES ARE SHOWN TO ℄ PILES)

NOTES:

FOR PILES, SEE SECTION 450 OF THE STANDARD SPECIFICATIONS.

PILES AT END BENT 1 AND END BENT 2 ARE DESIGNED FOR A FACTORED RESISTANCE OF 230 TONS PER PILE.

DRIVE PILES AT END BENT 1 AND END BENT 2 TO A REQUIRED DRIVING RESISTANCE OF 385 TONS PER PILE.

TESTING PILES WITH THE PILE DRIVING ANALYZER (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 SPECIFICATIONS AND FOR PILE DRIVING CRITERIA, SEE PILE DRIVING CRITERIA PROVISION.

PROJECT NO. R-2519B
YANCEY/MITCHELL COUNTY
STATION: 247+87.50 -L-

SHEET 2 OF 3

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH

GENERAL DRAWING
FOR BRIDGE ON US 19
OVER BIG CRABTREE CREEK
BETWEEN SR 1181 AND SR 1002
(LEFT LANE)

Prepared by
URS
URS Corporation - North Carolina
1600 Perimeter Park Drive, Suite 400
Morrisville, NC 27560
PHONE: (919) 461-1100 FAX: (919) 461-1415
NC LIC.# C-2243

8/21/2014
NORTH CAROLINA PROFESSIONAL SEAL 039173 ENGINEER MATTHEW K. TOM

DocuSigned by:
Matthew K. Tom
D89B9F48B2B747E...

REVISIONS						SHEET NO.
NO.	BY:	DATE:	NO.	BY:	DATE:	S-132
1			3			TOTAL SHEETS
2			4			194

DRAWN BY : M. K. TOM DATE : 12/12/12
CHECKED BY : K. H. COMPTON DATE : 2/6/13
DESIGNED BY : M. K. TOM DATE : 12/12/12

8/20/2014
P:\Jobs1\R2519B\Structures\Electronic Signed Plans\Str 5\405_003_S05_R2519B_FL.dgn
kyle_compton

STR. #5