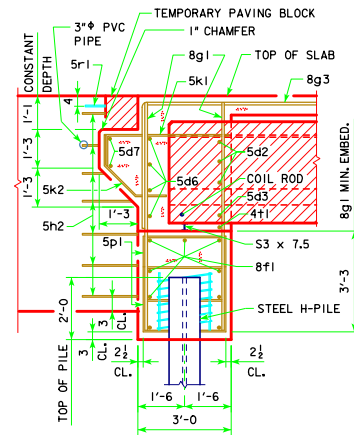


PART REAR ELEVATION AT ABUTMENT

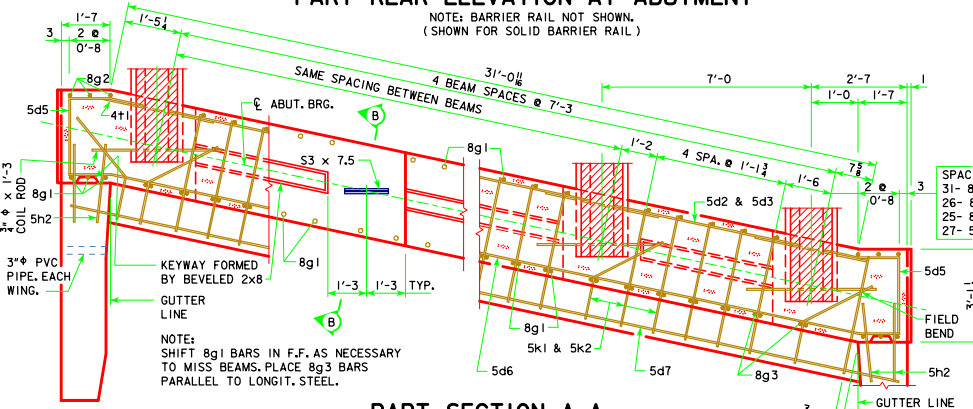
NOTE: BARRIER RAIL NOT SHOWN.
(SHOWN FOR SOLID BARRIER RAIL)



PART SECTION B-B

NOTE:
THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR, 21" DIAMETER, 3" PITCH WITH 2 - L₄ x $\frac{1}{2}$ x $\frac{1}{8}$ SPACERS PUNCHED TO HOLD SPIRAL.

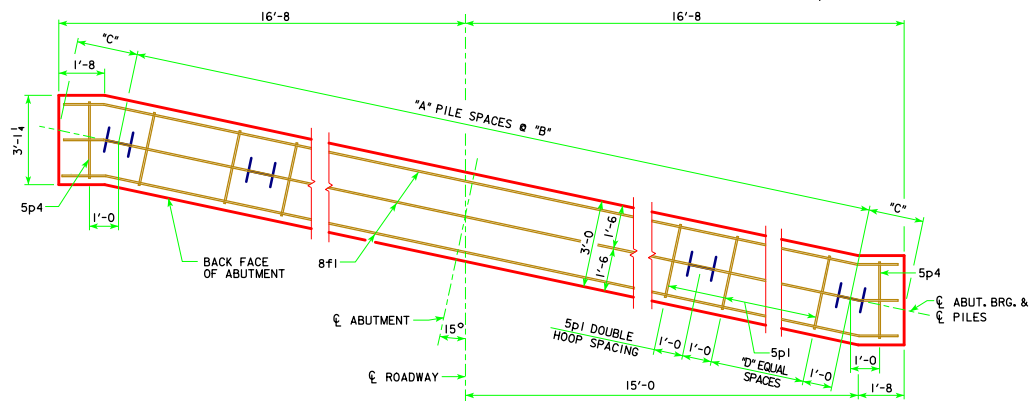
NOTE:
PLACE 5h2 BAR AT 1:6 SLOPE TO MATCH TRAFFIC SIDE OF ABUTMENT WING FACE (BOTH SIDES TYPICAL).



PART SECTION A-A

NOTE:
SHIFT 8g1 BARS IN F.F. AS NECESSARY TO MISS BEAMS. PLACE 8g3 BARS PARALLEL TO LONGIT. STEEL.

SPACING FOR:
31- 8g1 BACK FACE
26- 8g1 FRONT FACE
25- 8g3 BACK FACE
27- 5k1 & 5k2 BACK FACE



ABUTMENT PILE PLAN

ABUTMENT NOTES:

MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.

ABUTMENT PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.

PLACE 5h2 BAR AT 1:6 SLOPE TO MATCH TRAFFIC SIDE OF ABUTMENT WING FACE. (BOTH SIDES TYPICAL)

BARRIER RAIL NOT SHOWN IN DETAILS.

IF ROCK IS CLOSER THAN 15' BELOW ABUTMENT FOOTING, SPECIAL ANALYSIS MAY BE REQUIRED.

ABUTMENT PILE SPACING

DIMENSION OR NO.	CL TO CL ABUTMENT BEARING		
	46'-8	55'-0	67'-6
"A" PILE SPACES	4	4	5
"B" (FT. - IN.)	7'-6	7'-6	6'-0
"C" (FT. - IN.)	2'-3 $\frac{1}{2}$	2'-3 $\frac{1}{2}$	2'-3 $\frac{1}{2}$
"D" EQUAL SPACES	6	6	4
NO. OF PILES PER ABUT.	5	5	6
STRENGTH I DESIGN LOAD (KIPS)	130	140	134

NOTE: P_u STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.

LATEST REVISION DATE 05-13 APPROVED BY BRIDGE ENGINEER <i>Thomas E. McQuinn</i>	
	STANDARD DESIGN - 30' ROADWAY, SINGLE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES APRIL, 2012
	ABUTMENT DETAILS H30SI-09-12 15° SKEW A & B BEAMS