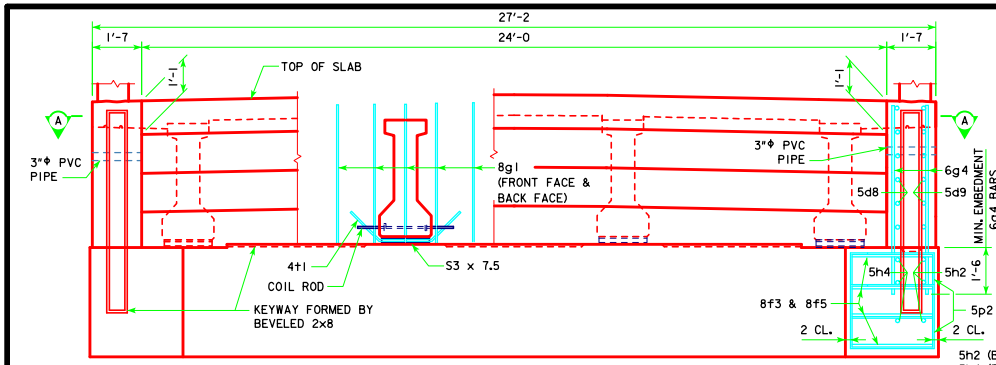
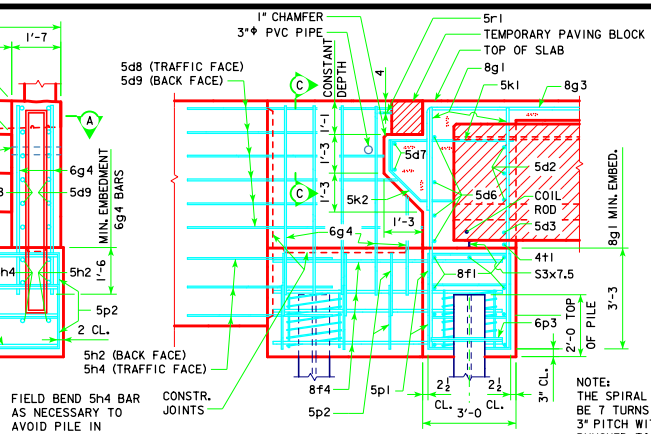


PART REAR ELEVATION AT ABUTMENT



PART SECTION B-B

ABUTMENT NOTES:

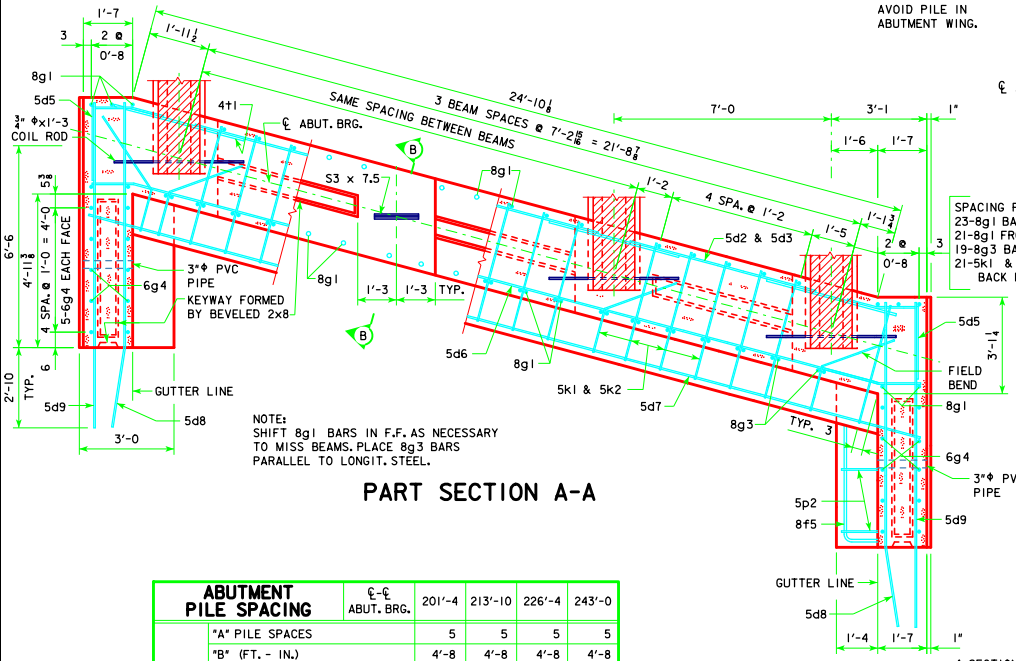
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.

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

BARRIER RAIL NOT SHOWN IN DETAILS.

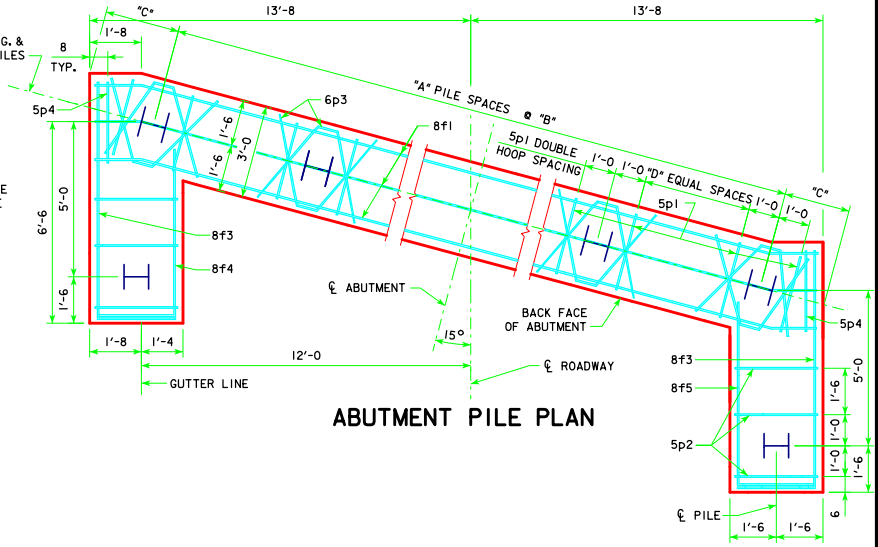
IF ROCK IS CLOSER THAN 15' BELOW ABUTMENT FOOTING, SPECIAL ANALYSIS MAY BE REQUIRED.

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



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

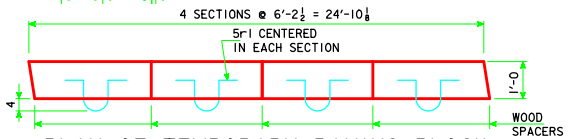
PART SECTION A-A



ABUTMENT PILE PLAN

ABUTMENT PILE SPACING	℄-℄ ABUT. BRG.	201'-4	213'-10	226'-4	243'-0
WITH STEEL H-PILES	"A" PILE SPACES	5	5	5	5
	"B" (FT. - IN.)	4'-8	4'-8	4'-8	4'-8
	"C" (FT. - IN.)	2'-5 5/16	2'-5 5/16	2'-5 5/16	2'-5 5/16
	"D" EQUAL SPACES	3	3	3	3
	NO. OF PILES PER ABUT.	8	8	8	8
	Pu, STRENGTH I DESIGN LOAD (KIPS)	129	133	137	145

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



NOTE:
LINE PAVING NOTCH WITH TAR PAPER BEFORE PLACING THE TEMPORARY PAVING BLOCK.

PLAN OF TEMPORARY PAVING BLOCK

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

DECEMBER, 2006

05-13
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

ABUTMENT DETAILS

15° SKEW C BEAMS

H24-12-06

REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.