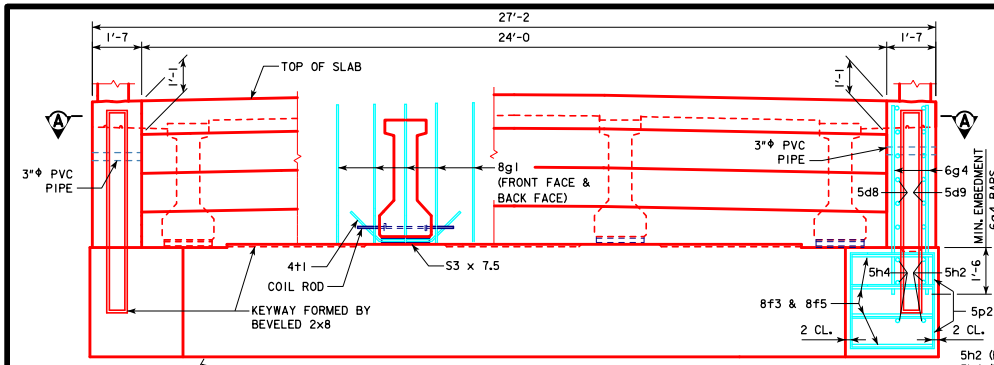
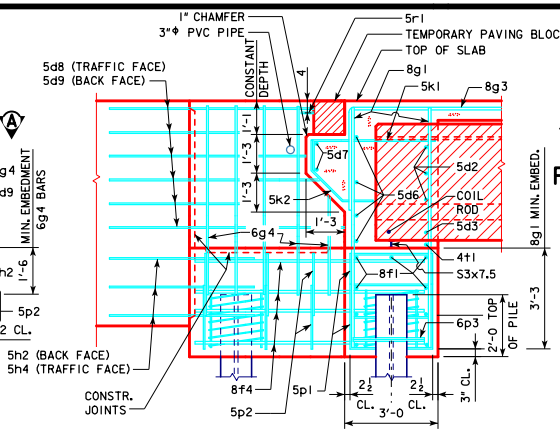
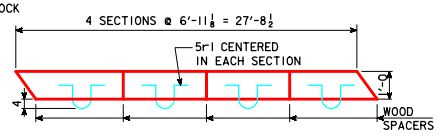


PART REAR ELEVATION AT ABUTMENT

FIELD BEND 5h4 BAR AS NECESSARY TO AVOID PILE IN ABUTMENT WING.



PART SECTION B-B



PLAN OF TEMPORARY PAVING BLOCK

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

ABUTMENT NOTES:

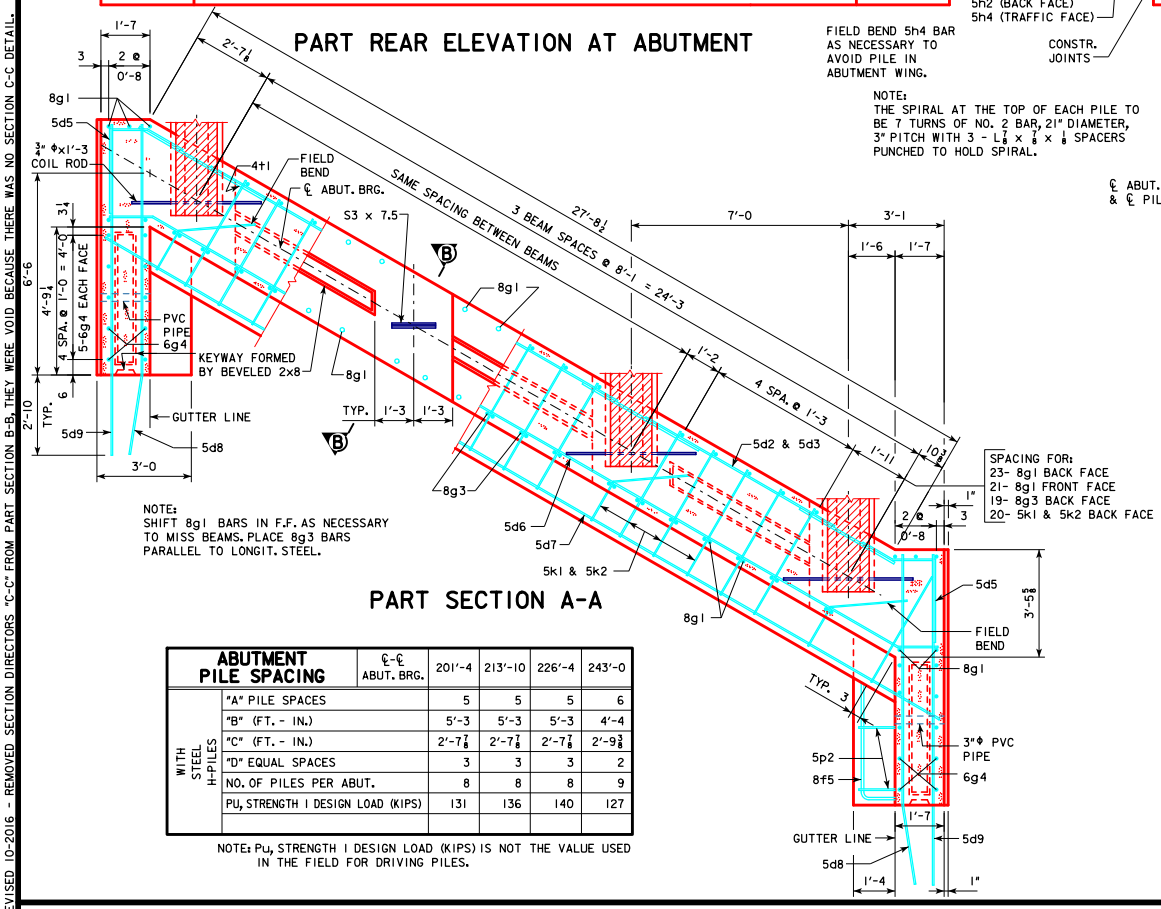
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.

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 7/8" x 7/8" x 1/8" SPACERS PUNCHED TO HOLD SPIRAL.

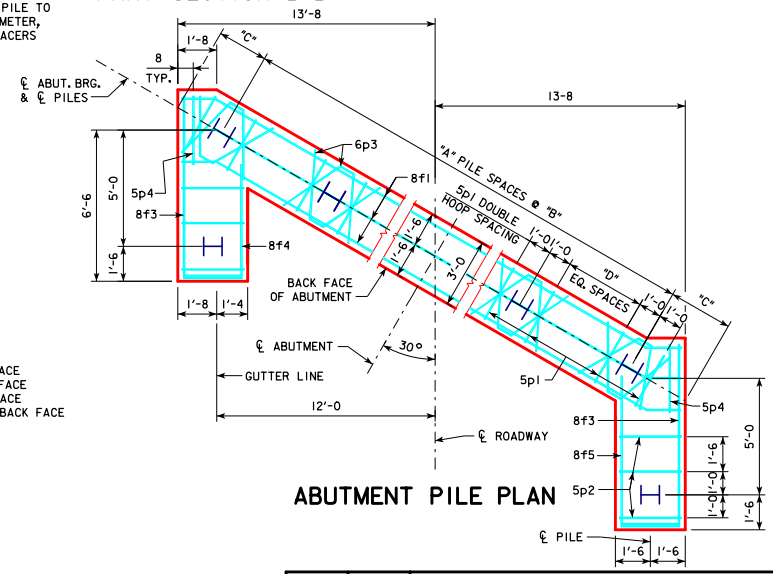


NOTE:
SHIFT 8g1 BARS IN F.F. AS NECESSARY TO MISS BEAMS. PLACE 8g3 BARS PARALLEL TO LONGIT. STEEL.

PART SECTION A-A

ABUTMENT PILE SPACING	℄-℄ ABUT. BRG.	201'-4	213'-10	226'-4	243'-0
WITH STEEL H-PILES	"A" PILE SPACES	5	5	5	6
	"B" (FT. - IN.)	5'-3	5'-3	5'-3	4'-4
	"C" (FT. - IN.)	2'-7 7/8"	2'-7 7/8"	2'-7 7/8"	2'-9 3/8"
	"D" EQUAL SPACES	3	3	3	2
	NO. OF PILES PER ABUT.	8	8	8	9
	PU, STRENGTH I DESIGN LOAD (KIPS)	131	136	140	127

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



ABUTMENT PILE PLAN

10-2016
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 24' ROADWAY, THREE SPAN BRIDGE

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

DECEMBER, 2006

ABUTMENT DETAILS

30° SKEW C BEAMS

H24-19-06

REVISED 05-13 - REVISION FOR LRFD PILE DESIGN.
REVISED 10-2016 - REMOVED SECTION DIRECTORS "C-C" FROM PART SECTION B-B, THEY WERE VOID BECAUSE THERE WAS NO SECTION C-C DETAIL.