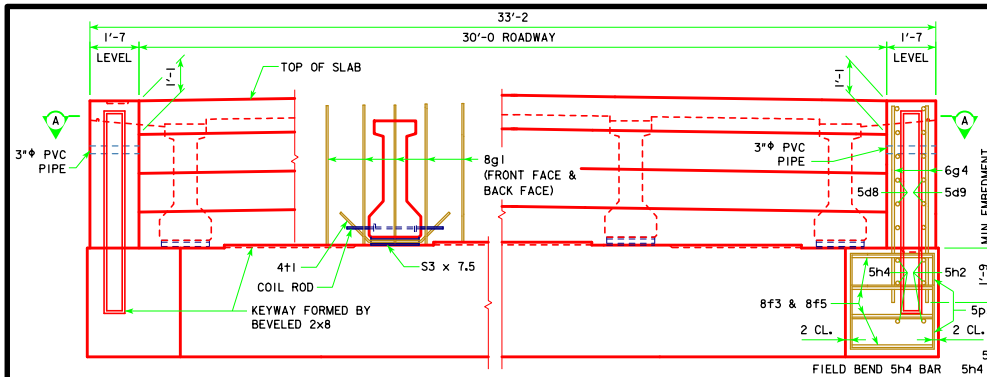
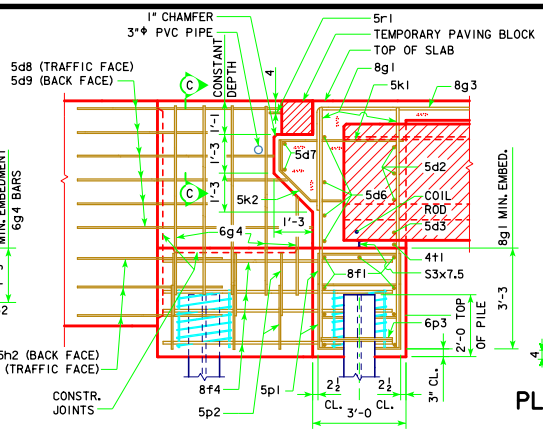


PART REAR ELEVATION AT ABUTMENT

NOTE: TOP OF ABUTMENT SHOWN FOR SOLID BARRIER RAIL

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

NOTE:
THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR, 21" DIAMETER, 3" PITCH WITH 3 - L $\frac{7}{8}$ x $\frac{7}{8}$ x $\frac{5}{8}$ SPACERS PUNCHED TO HOLD SPIRAL.



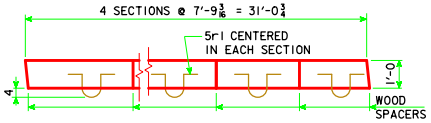
PART SECTION B - B

ABUTMENT NOTES:

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

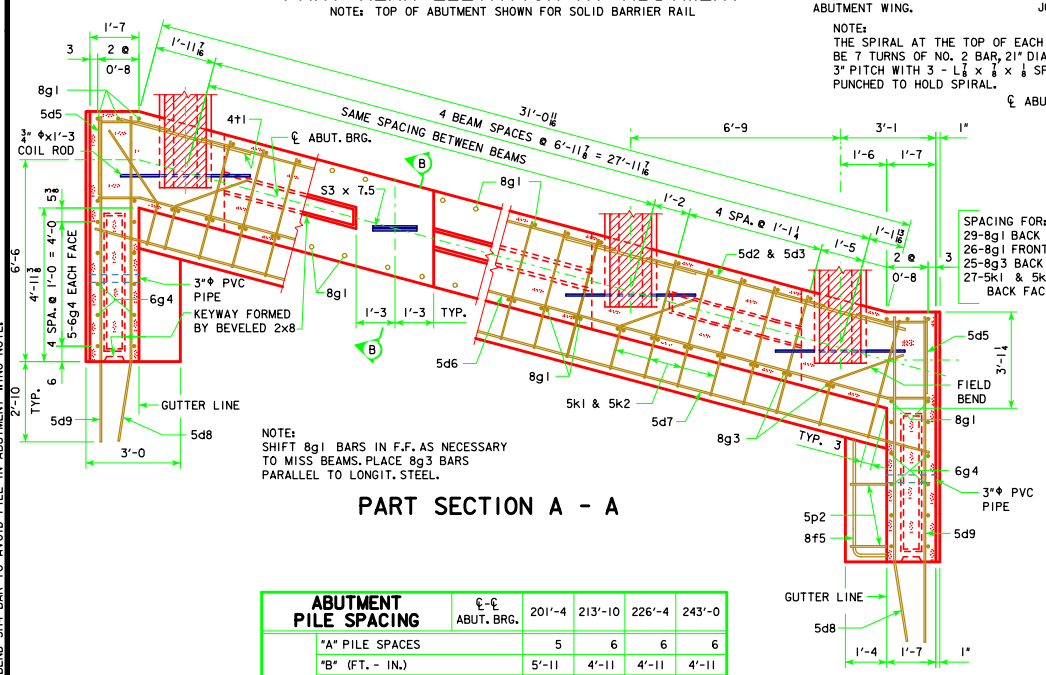
ABUTMENT PILES ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE AS GIVEN IN THE ABUTMENT PILE SPACING TABLE.

BARRIER RAIL NOT SHOWN IN DETAILS.



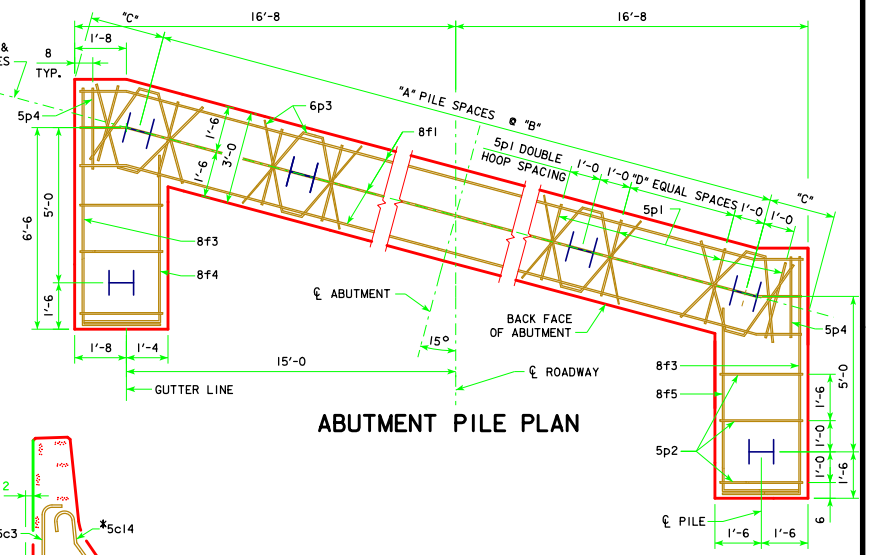
PLAN OF TEMPORARY PAVING BLOCK

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



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

PART SECTION A - A

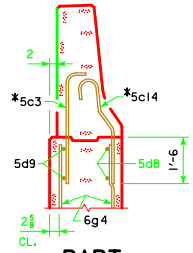


ABUTMENT PILE PLAN

ABUTMENT PILE SPACING	℄-℄ ABUT. BRG.	201'-4	213'-10	226'-4	243'-0
WITH STEEL H-PILES	"A" PILE SPACES	5	6	6	6
	"B" (FT. - IN.)	5'-11	4'-11	4'-11	4'-11
	"C" (FT. - IN.)	2'-5 9/16	2'-6 1/16	2'-6 1/16	2'-6 1/16
	"D" EQUAL SPACES	4	3	3	3
	NO. OF PILES PER ABUT.	8	9	9	9
	(1) PILE BEARING (TONS)	50	44	45	48
	(2) STRENGTH I DESIGN LOAD (KIPS)	144	127	131	139

(1) FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.

(2) FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.



PART SECTION C-C

* NOTE: SEE BARRIER RAIL SHEET FOR DETAILS. REINFORCING BARS 5c3 AND 5c14 ARE INCLUDED IN SUPERSTRUCTURE QUANTITIES.

01-12
LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES

PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES

DECEMBER, 2006

ABUTMENT DETAILS

15° SKEW C BEAMS

H30-12-06

REVISED 01-12 - ADDED FIELD BEND 5h4 BAR TO AVOID PILE IN ABUTMENT WING NOTE.