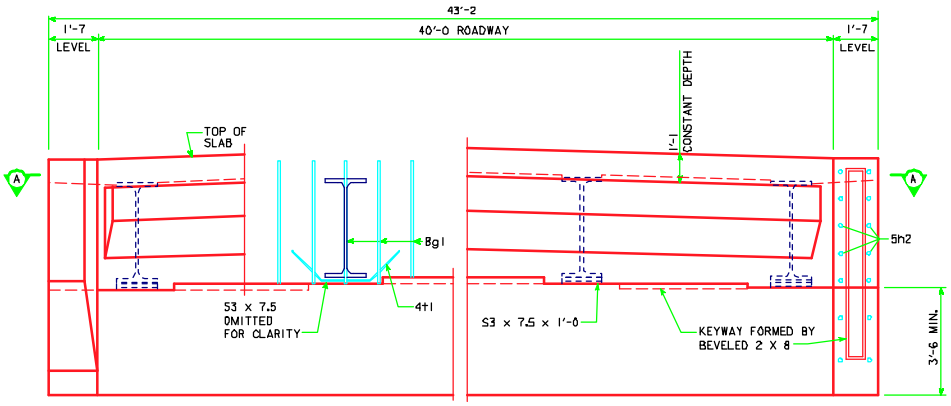
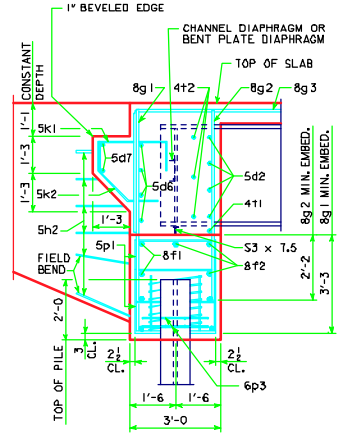


PART REAR ELEVATION AT ABUTMENT



PART SECTION B-B

NOTES:
1. HOLES DRILLED THROUGH BEAM WEB FOR 5d2 AND 4t2 BARS.
2. THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF No. 2 BAR, 21" DIAMETER, 3" PITCH WITH 2 - L 7/8 x 7/8 x 1/8 SPACERS PUNCHED TO HOLD SPIRAL.

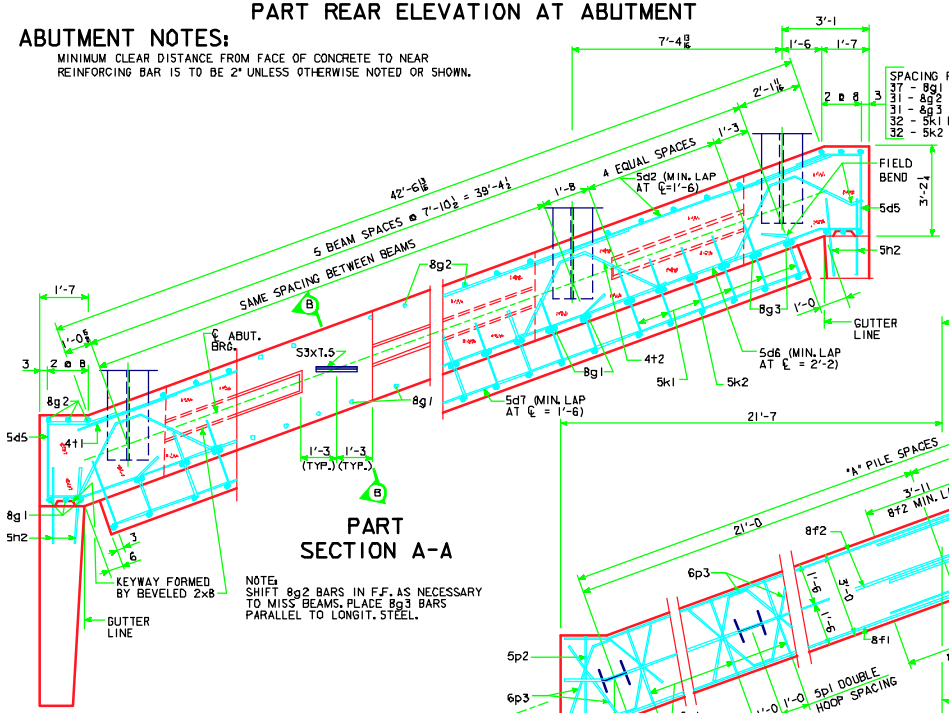
ABUTMENT NOTES:

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

SPACING FOR:
37 - 8g1 BACK FACE
31 - 8g2 FRONT FACE
31 - 8g3 BACK FACE
32 - 5k1 BACK FACE
32 - 5k2 BACK FACE

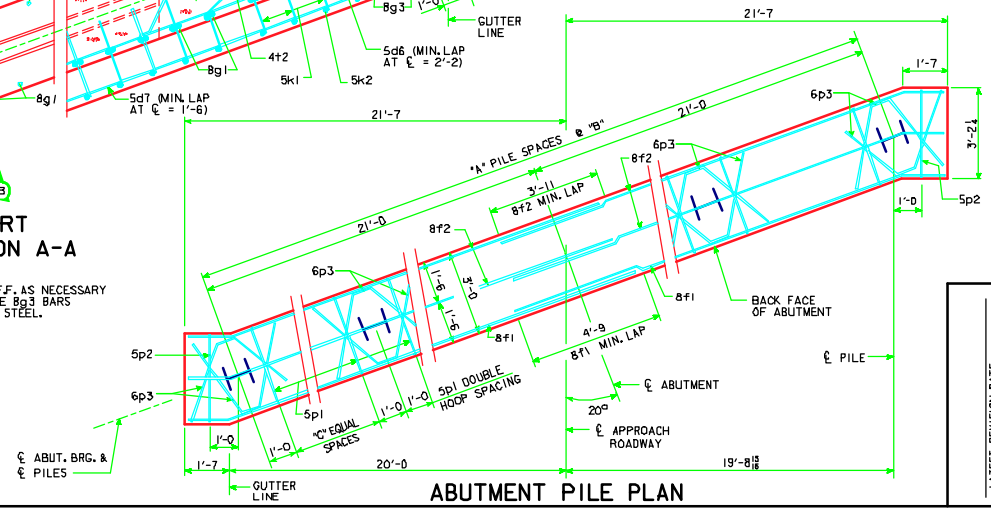
ABUTMENT PILE SPACING

DIMENSION OR NO.	℄ TO ℄ ABUTMENT BEARING							
	160'-0	180'-0	200'-0	220'-0	240'-0	260'-0	280'-0	300'-0
"A" (IN)	6	6	7	7	7	8	8	8
"B" (FT-IN)	7'-0	7'-0	6'-0	6'-0	6'-0	5'-3	5'-3	5'-3
"C" EQUAL SPACES	5	5	4	4	4	3	3	3
NO. OF PILES PER ABUT.	7	7	8	8	8	9	9	9
DESIGN PILE LOAD (TONS)	35	37	34	35	37	34	35	37



PART SECTION A-A

NOTE:
SHIFT 8g2 BARS IN F.F. AS NECESSARY TO MISS BEAMS. PLACE 8g3 BARS PARALLEL TO LONGIT. STEEL.



ABUTMENT PILE PLAN

NOTE:
ABUTMENT STEP DIAGRAM PROVIDED BY DESIGNER, SEE "ESTIMATED BRIDGE QUANTITIES" SHEET.

LATEST REVISION DATE

APPROVED BY BRIDGE ENGINEER

Iowa Department of Transportation
Highway Division

STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

ROLLED STEEL BEAM BRIDGES

FEBRUARY, 2004

ABUTMENT DETAILS 20° SKEW

RS40-AB3-04