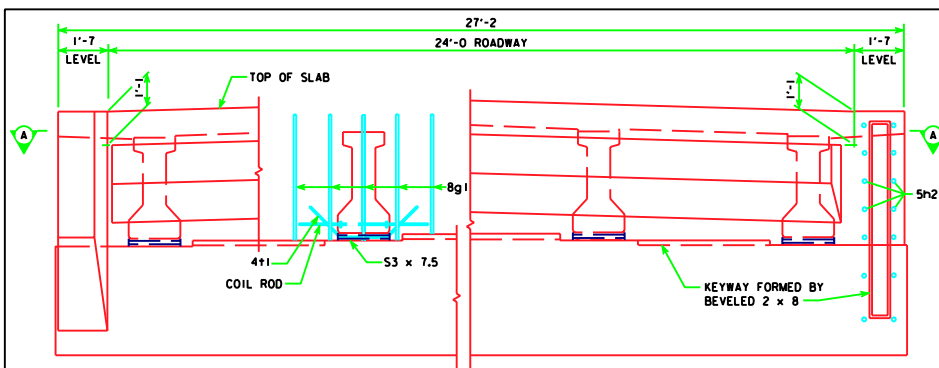
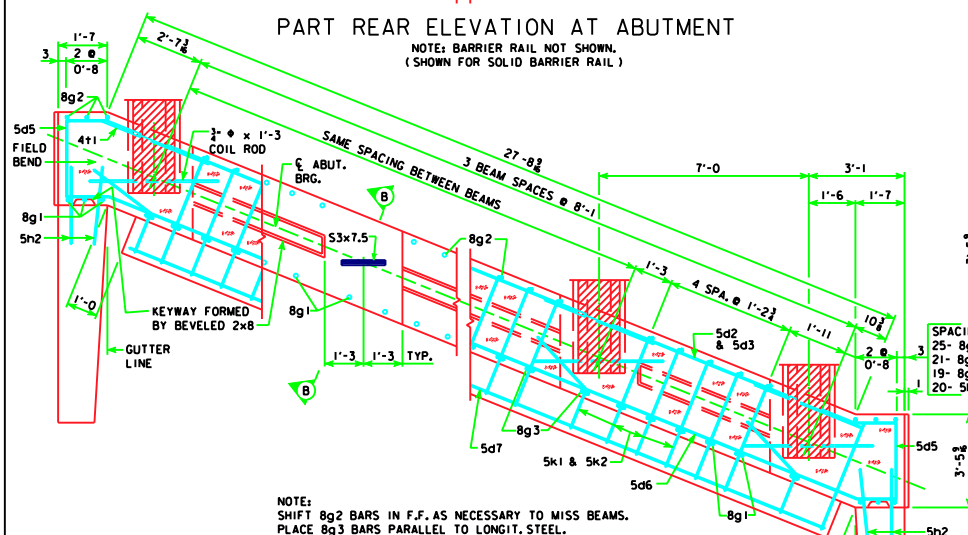




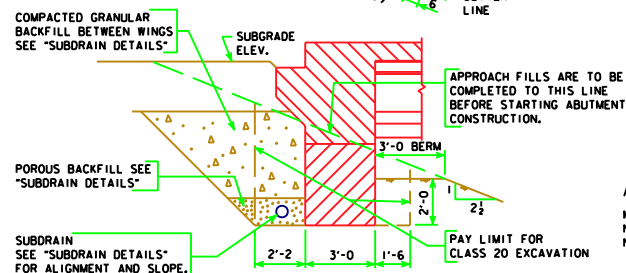
PART REAR ELEVATION AT ABUTMENT

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

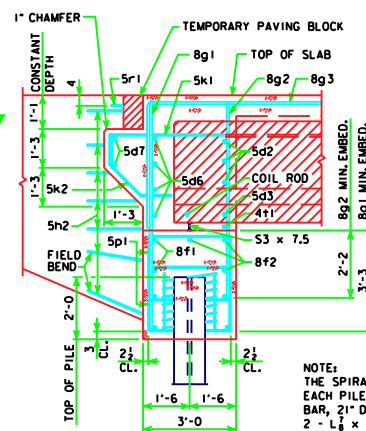


PART SECTION A-A

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



ABUTMENT EXCAVATION DETAILS



PART SECTION B-B

NOTE: THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF No. 2 BAR, 2 1/2" DIAMETER, 3" PITCH WITH 2 - L 3/8 x 3/4 x 3/8 SPACERS PUNCHED TO HOLD SPIRAL.

ABUTMENT PILE SPACING

DIMENSION OR NO.	E TO E ABUTMENT BEARING		
	46'-8	55'-0	67'-6
"A" PILE SPACES	4	5	6
"B" (FT. - IN.)	6'-11	5'-6	4'-7
"C" (FT. - IN.)	1'-11 1/2	2'-0 1/2	2'-0 1/2
"D" EQUAL SPACES	5	4	3
NO. OF PILES PER ABUT.	5	6	7
DESIGN PILE LOAD (TONS)	37	34	34

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.

LATEST REVISION DATE :

APPROVED BY

STANDARD DESIGN - 24' ROADWAY, SINGLE SPAN BRIDGE
PRETENSIONED PRESTRESSED
CONCRETE BEAM BRIDGES

JANUARY, 2005 HS20-44 LOADING

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

ABUTMENT DETAILS
30° SKEW A & B BEAMS

H24SI-15-05