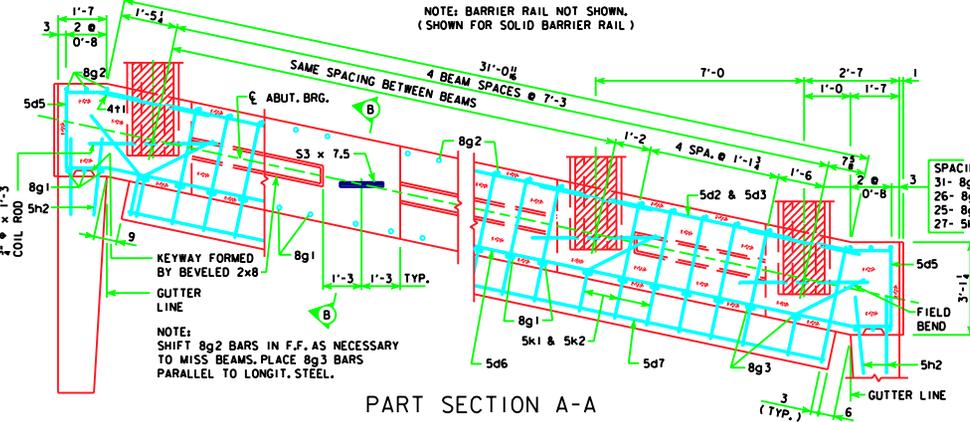


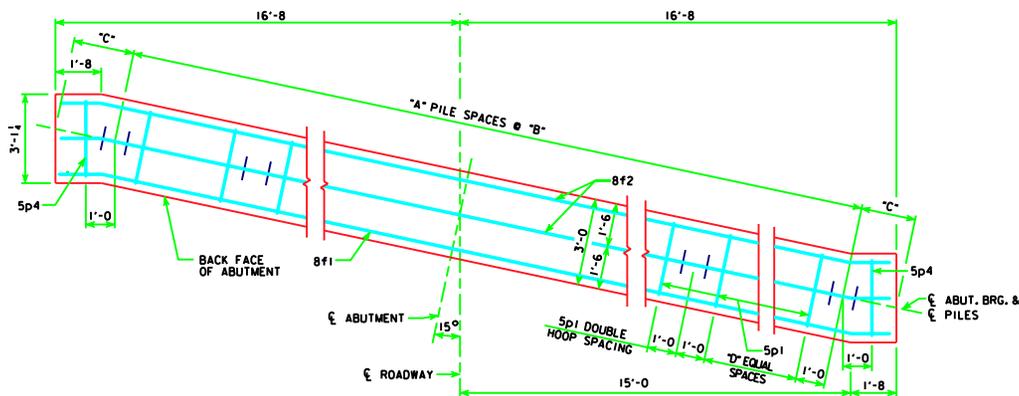
PART REAR ELEVATION AT ABUTMENT

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

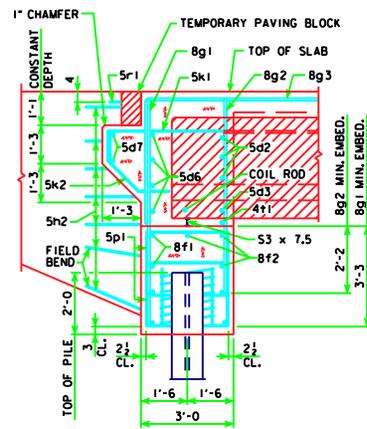


PART SECTION A-A

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



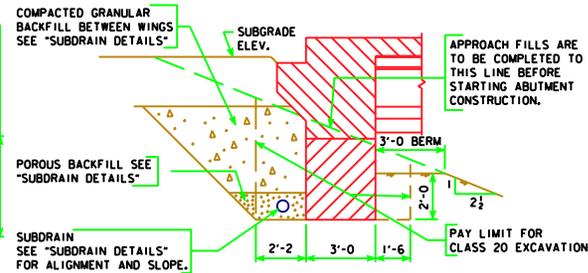
ABUTMENT PILE PLAN



PART SECTION B-B

NOTE: THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR, 21" DIAMETER, 3" PITCH WITH 2 - L₄ x 1/8" x 1/4" SPACERS PUNCHED TO HOLD SPIRAL.

SPACING FOR:
31- 8g1 BACK FACE
26- 8g2 FRONT FACE
25- 8g3 BACK FACE
27- 5k1 & 5k2 BACK FACE



ABUTMENT EXCAVATION DETAILS

ABUTMENT PILE SPACING

DIMENSION OR NO.	ξ TO ξ ABUTMENT BEARING		
	46'-8	55'-0	67'-6
"A" PILE SPACES	5	6	6
"B" (FT. - IN.)	6'-2	5'-2	5'-2
"C" (FT. - IN.)	1'-10 1/4	1'-9 1/4	1'-9 1/4
"D" EQUAL SPACES	5	4	4
NO. OF PILES PER ABUT.	6	7	7
DESIGN PILE LOAD (TONS)	34	32	37

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 - 30' ROADWAY, SINGLE SPAN BRIDGE
PRETENSIONED PRESTRESSED
CONCRETE BEAM BRIDGES

JANUARY, 2005 HS20-44 LOADING

IOWA DEPARTMENT OF TRANSPORTATION - HIGHWAY DIVISION

ABUTMENT DETAILS
15° SKEW A & B BEAMS

H30SI-10-05