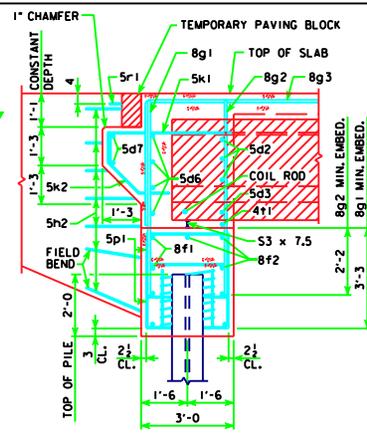


PART REAR ELEVATION AT ABUTMENT

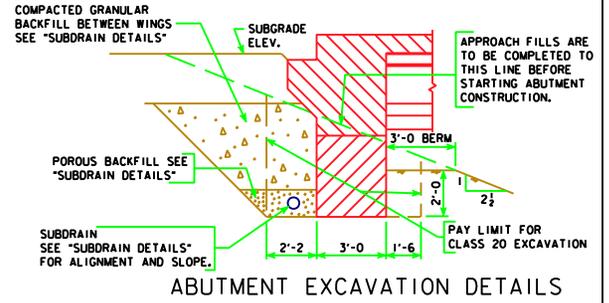
NOTE: BARRIER RAIL NOT SHOWN.
(SHOWN FOR SOLID BARRIER RAIL)



PART SECTION B-B

NOTE:
THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR, 2\"/>

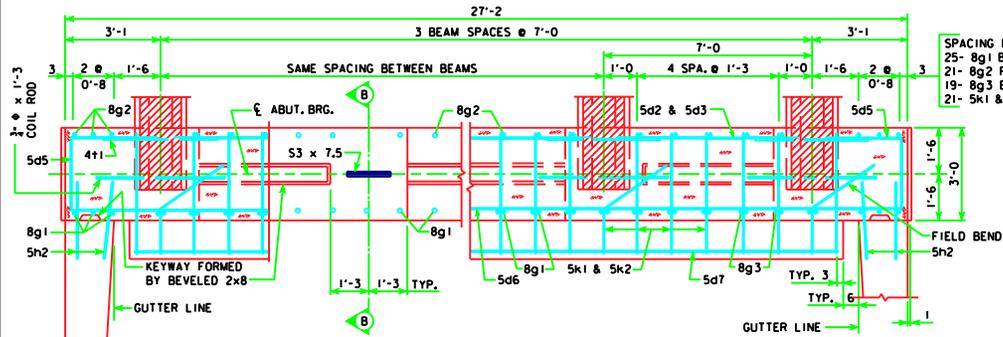
SPACING FOR:
25- 8g1 BACK FACE
21- 8g2 FRONT FACE
19- 8g3 BACK FACE
21- 5k1 & 5k2 BACK FACE



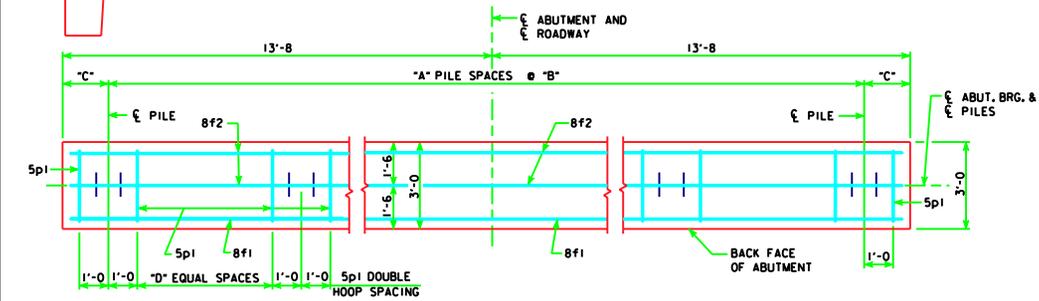
ABUTMENT EXCAVATION DETAILS

ABUTMENT NOTES:

MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2\"/>



PART SECTION A-A



ABUTMENT PILE PLAN

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'-0	4'-9	4'-0
"C" (FT. - IN.)	1'-8	1'-9½	1'-8
"D" EQUAL SPACES	4	3	2
NO. OF PILES PER ABUT.	5	6	7
DESIGN PILE LOAD (TONS)	36	33	33

LATEST REVISION DATE :

APPROVED BY
[Signature]

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 H24SI-03-05
0° SKEW A & B BEAMS