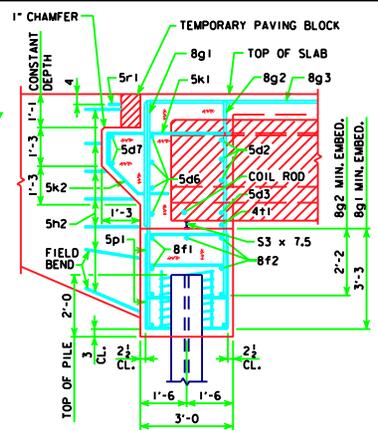


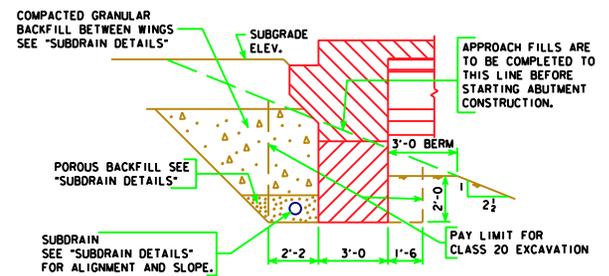
PART REAR ELEVATION AT ABUTMENT

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



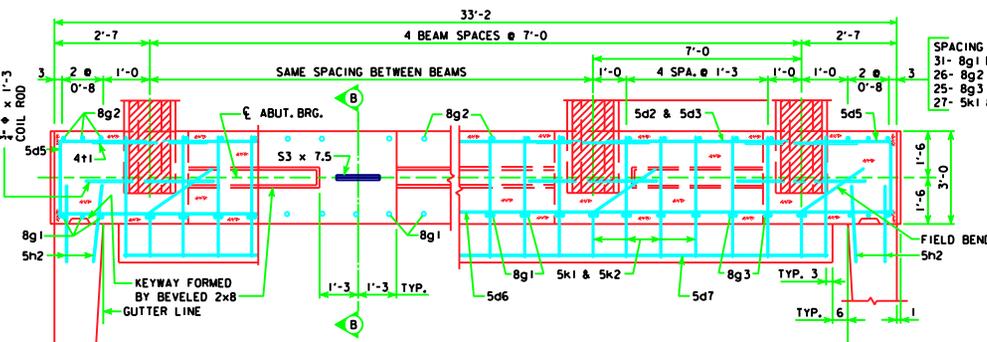
PART SECTION B-B

NOTE:
THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR, 21\"/>



ABUTMENT EXCAVATION DETAILS

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

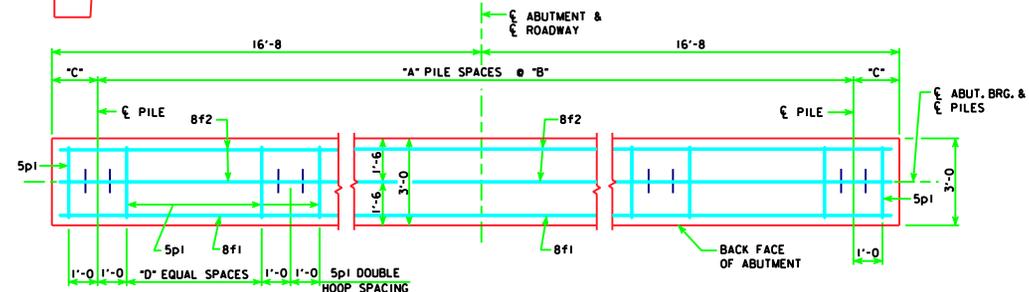


PART SECTION A - A

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

ABUTMENT PILE SPACING

DIMENSION OR NO.	℄ TO ℄ ABUTMENT BEARING		
	46'-8	55'-0	67'-6
*A PILE SPACES	5	5	6
*B (FT. - IN.)	6'-0	6'-0	5'-0
*C (FT. - IN.)	1'-8	1'-8	1'-8
*D EQUAL SPACES	4	4	3
NO. OF PILES PER ABUT.	6	6	7
DESIGN PILE LOAD (TONS)	33	37	37



ABUTMENT PILE PLAN

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
 0° SKEW A & B BEAMS

H30S1-03-05