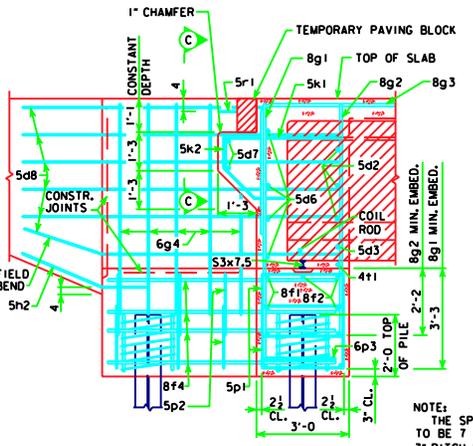


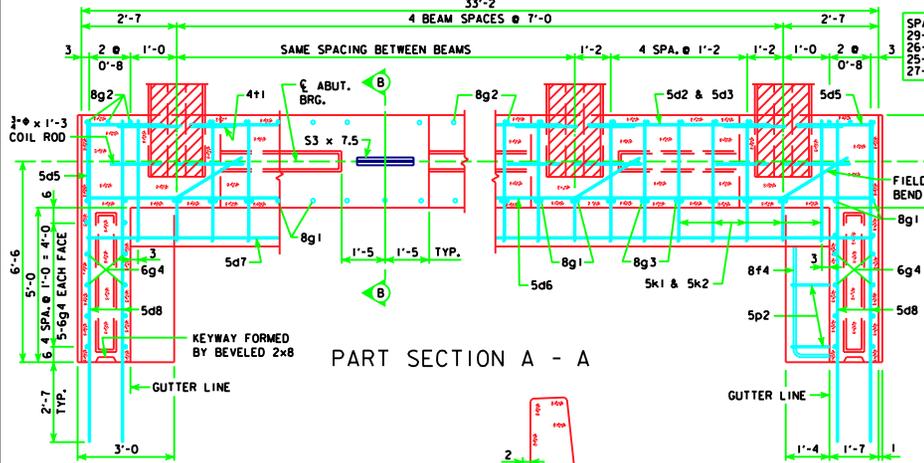
PART REAR ELEVATION AT ABUTMENT
 NOTE: BARRIER RAIL AND WINGS NOT SHOWN.
 (SHOWN FOR SOLID BARRIER RAIL)



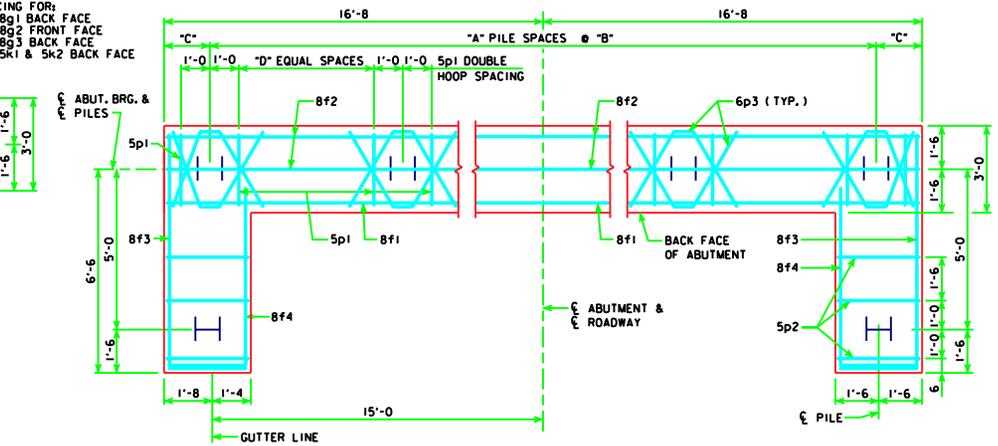
PART SECTION B - B

DIMENSION OR NO.	TO ABUTMENT BEARING			
	80'-0"	90'-0"	100'-0"	110'-0"
A PILE SPACES	7	8	9	9
B (FT. - IN.)	4'-3"	3'-9"	3'-4"	3'-4"
C (FT. - IN.)	1'-9 1/2"	1'-8"	1'-8"	1'-8"
D EQUAL SPACES	3	2	2	2
NO. OF PILES PER ABUT.	10	11	12	12
DESIGN PILE LOAD (TONS)	36	36	34	36

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

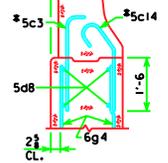


PART SECTION A - A

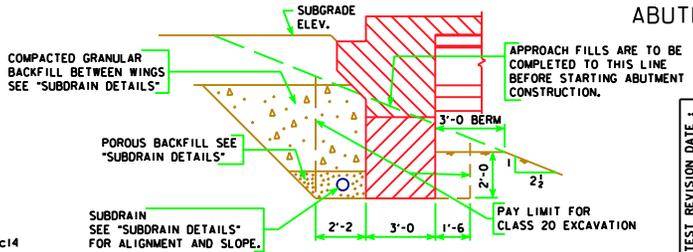


ABUTMENT PILE PLAN

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



PART SECTION C-C
 * NOTE: SEE BARRIER RAIL SHEET FOR DETAILS. REINFORCING BARS 5c3 AND 5c14 ARE INCLUDED IN SUPERSTRUCTURE QUANTITIES.



ABUTMENT EXCAVATION DETAILS

LATEST REVISION DATE :
 APPROVED BY: *[Signature]*

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 C & D BEAMS	H30SI-04-05