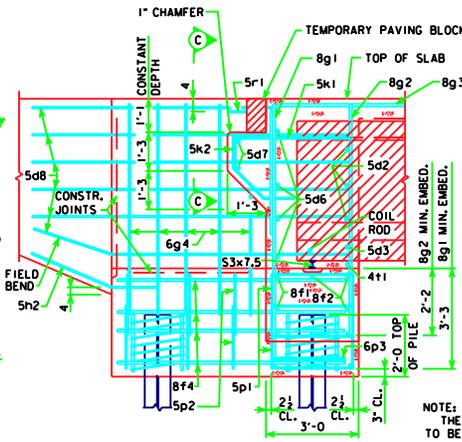


PART REAR ELEVATION AT ABUTMENT

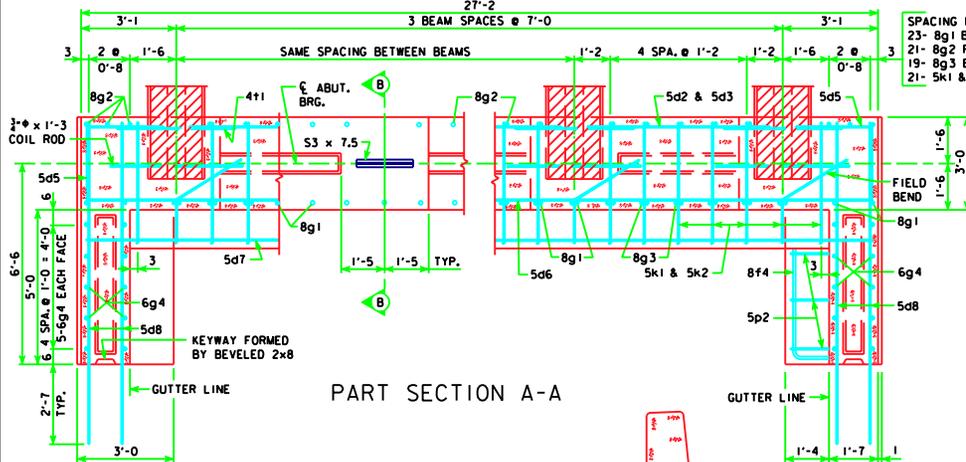
NOTE: BARRIER RAIL AND WINGS NOT SHOWN.
(SHOWN FOR SOLID BARRIER RAIL)



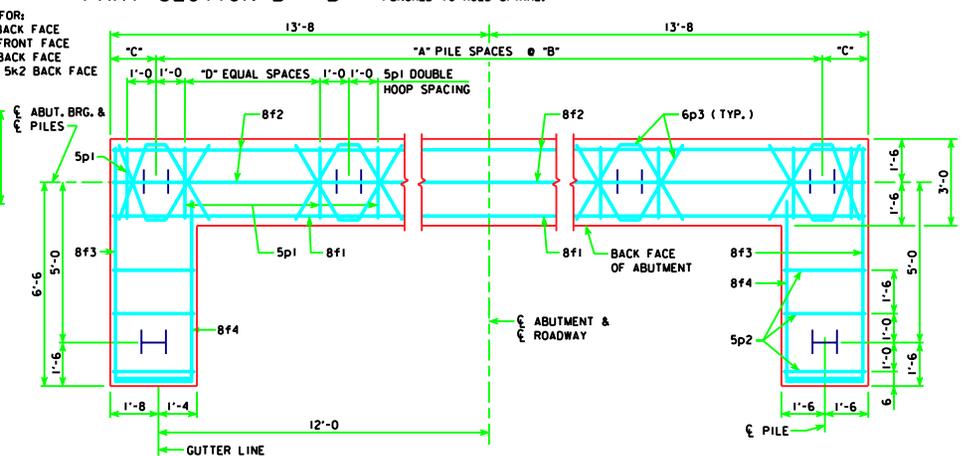
PART SECTION B - B

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

DIMENSION OR NO.	TO & ABUTMENT BEARING			
	80'-0	90'-0	100'-0	110'-0
A PILE SPACES	6	7	7	8
B (FT. - IN.)	4'-0	3'-5	3'-5	3'-0
C (FT. - IN.)	1'-8	1'-8½	1'-8½	1'-8
D EQUAL SPACES	2	2	2	1
NO. OF PILES PER ABUT.	9	10	10	11
DESIGN PILE LOAD (TONS)	35	35	37	35



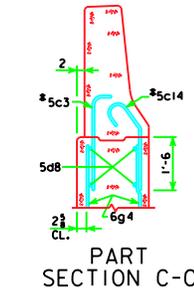
PART SECTION A-A



ABUTMENT PILE PLAN

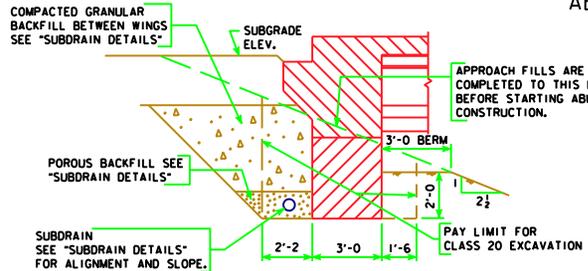
ABUTMENT NOTES:

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

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
 0° SKEW C & D BEAMS

H24SI-04-05