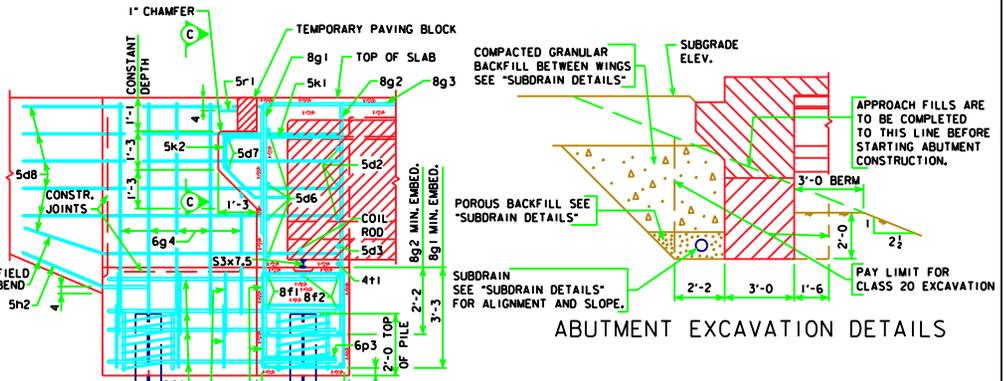
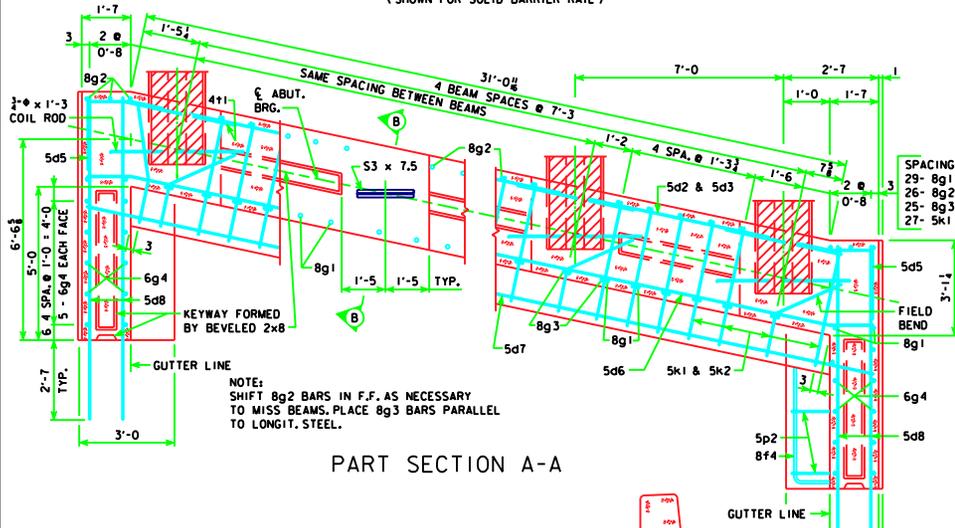


PART REAR ELEVATION AT ABUTMENT
 NOTE: BARRIER RAIL AND WINGS NOT SHOWN,
 (SHOWN FOR SOLID BARRIER RAIL)

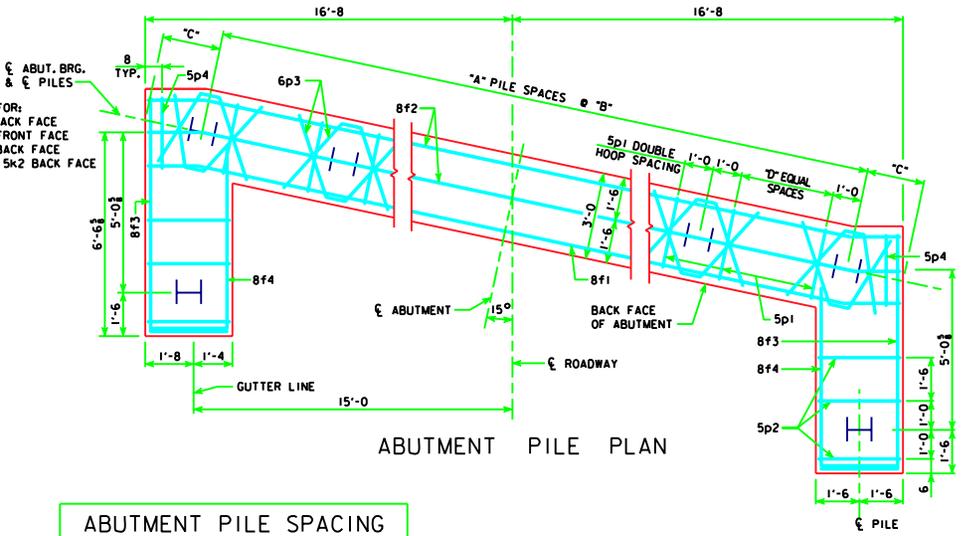


PART SECTION B - B

ABUTMENT EXCAVATION DETAILS



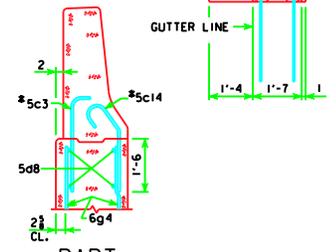
PART SECTION A-A



ABUTMENT PILE PLAN

ABUTMENT NOTES:
 MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.

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



PART SECTION C-C

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'-5"	3'-10"	3'-5"	3'-5"
"C" (FT - IN)	1'-9"	1'-11"	1'-10"	1'-10"
"D" EQUAL SPACES	3	2	2	2
NO. OF PILES PER ABUT.	10	11	12	12
DESIGN PILE LOAD (TONS)	36	36	34	37

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 H30S1-11-05
 15° SKEW C & D BEAMS