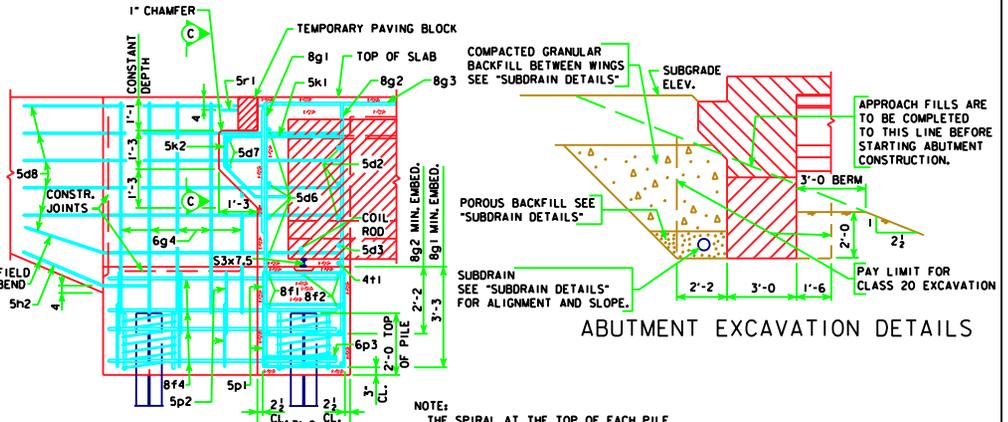


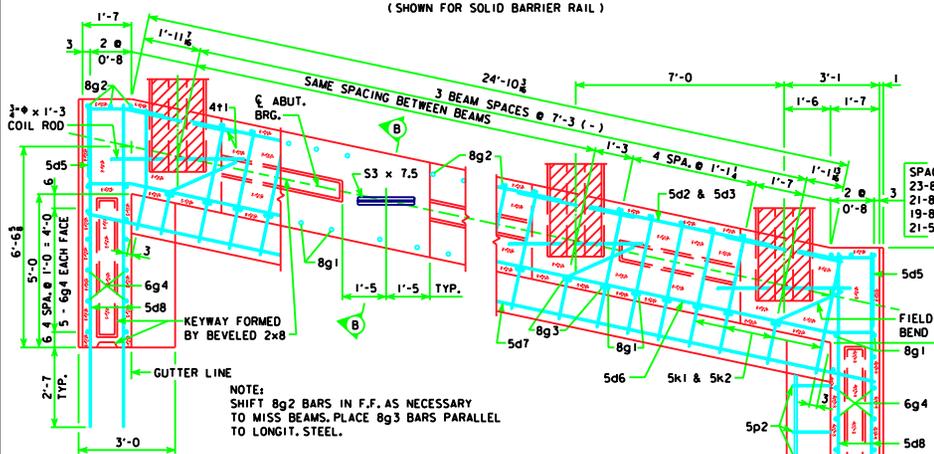
PART REAR ELEVATION AT ABUTMENT
 NOTE: BARRIER RAIL AND WINGS NOT SHOWN.
 (SHOWN FOR SOLID BARRIER RAIL)



PART SECTION B - B

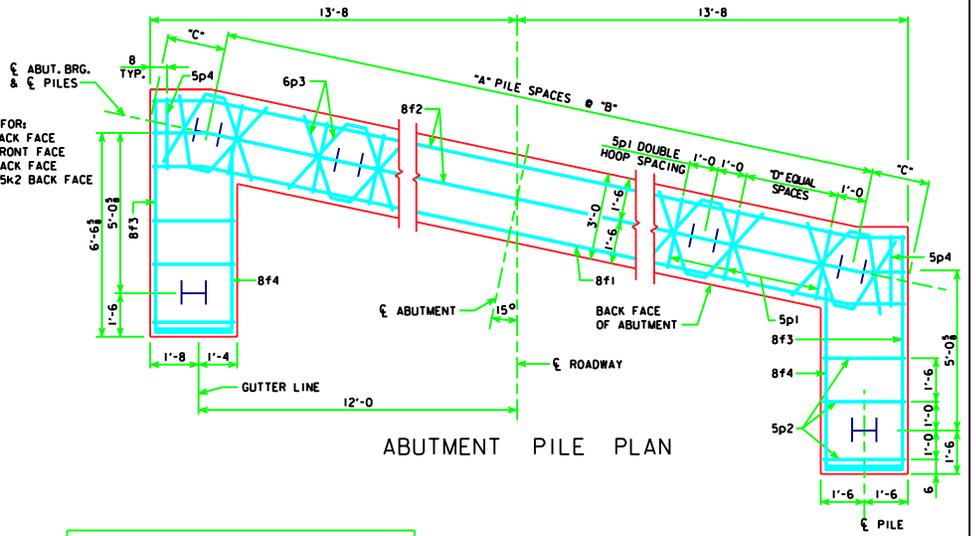
NOTE:
 THE SPIRAL AT THE TOP OF EACH PILE
 TO BE 7 TURNS OF No. 2 BAR, 2 1/2\"/>

ABUTMENT EXCAVATION DETAILS



PART SECTION A-A

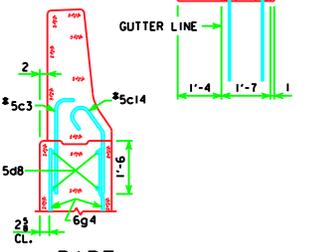
NOTE:
 SHIFT 8g2 BARS IN F.F. AS NECESSARY
 TO MISS BEAMS. PLACE 8g3 BARS PARALLEL
 TO LONGIT. STEEL.



ABUTMENT PILE PLAN

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

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



PART SECTION C-C

ABUTMENT PILE SPACING	
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'-1" 3'-6" 3'-6" 3'-1"
"C" (FT - IN)	1'-10 1/2" 1'-10 1/2" 1'-10 1/2" 1'-9 1/2"
"D" EQUAL SPACES	3 2 2 2
NO. OF PILES PER ABUT.	9 10 10 11
DESIGN PILE LOAD (TONS)	35 35 37 35

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-10-05
 15° SKEW C & D BEAMS