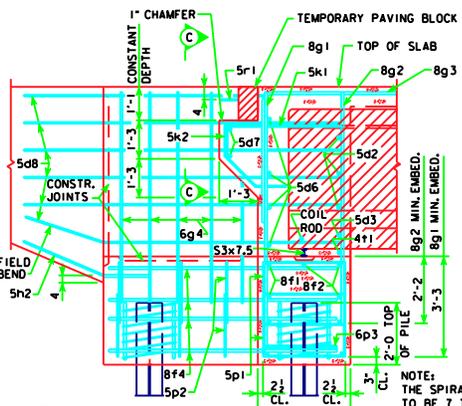


PART REAR ELEVATION AT ABUTMENT

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

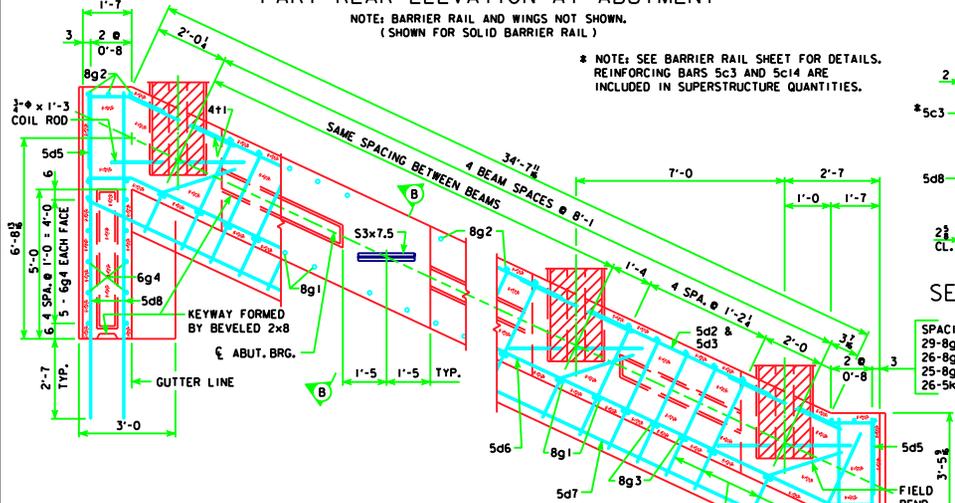
* NOTE: SEE BARRIER RAIL SHEET FOR DETAILS.
REINFORCING BARS 5c3 AND 5c14 ARE
INCLUDED IN SUPERSTRUCTURE QUANTITIES.



PART SECTION B-B

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

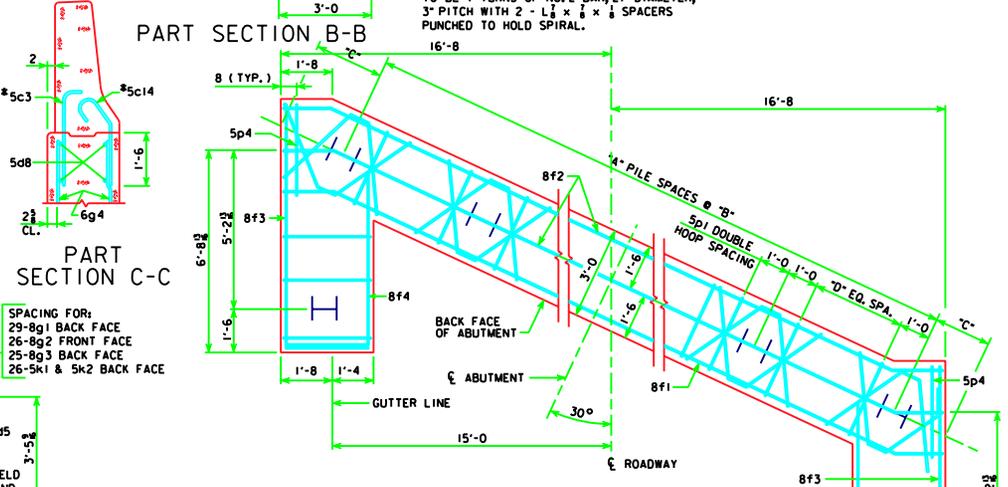
DIMENSION OR NO.	€ TO € ABUTMENT BEARING			
	80'-0	90'-0	100'-0	110'-0
A PILE SPACES	7	8	9	9
B (FT. - IN.)	4'-11	4'-3	3'-10	3'-10
C (FT. - IN.)	2'-0 $\frac{1}{2}$	2'-2 $\frac{1}{2}$	1'-11 $\frac{1}{2}$	1'-11 $\frac{1}{2}$
D EQUAL SPACES	3	3	2	2
NO. OF PILES PER ABUT.	10	11	12	12
DESIGN PILE LOAD (TONS)	37	37	35	37



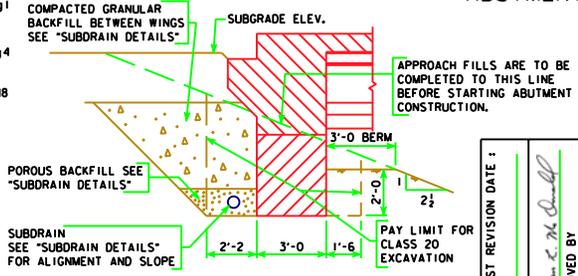
PART SECTION A-A

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

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



ABUTMENT PILE PLAN



ABUTMENT EXCAVATION DETAILS

LATEST REVISION DATE :
APPROVED BY :
PAY LIMIT FOR CLASS 20 EXCAVATION

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	H3051-18-05
30° SKEW C & D BEAMS	