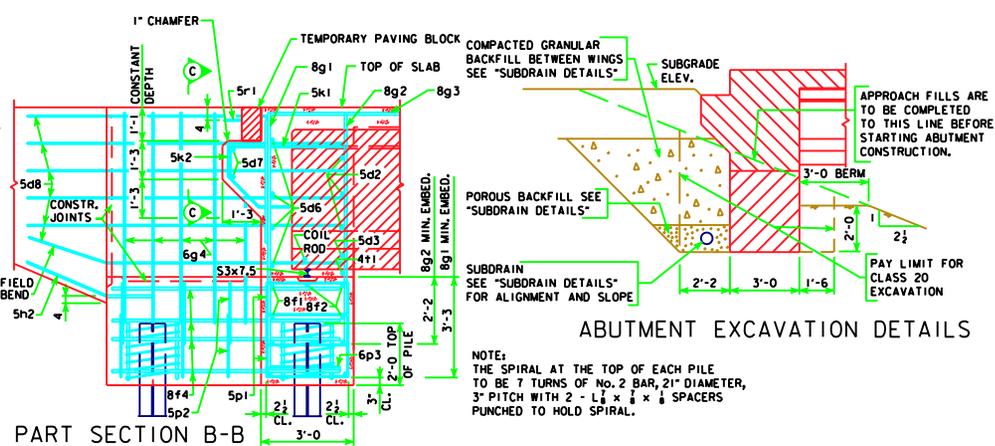


PART REAR ELEVATION AT ABUTMENT

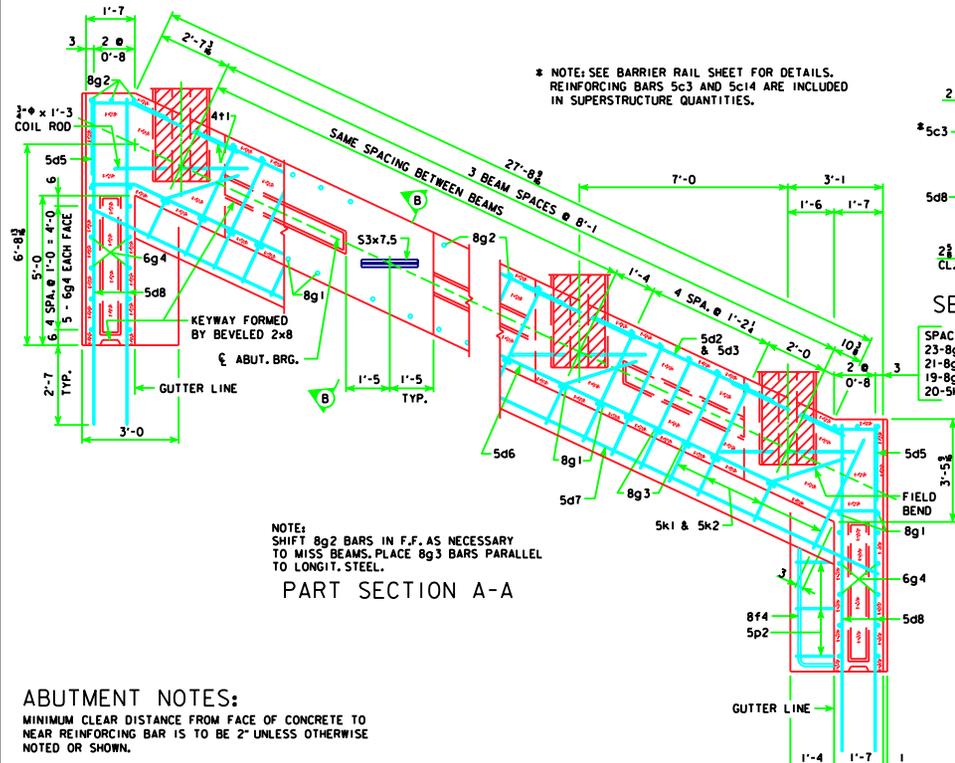
NOTE: BARRIER RAIL AND WINGS NOT SHOWN.
(SHOWN FOR SOLID BARRIER RAIL)



PART SECTION B-B

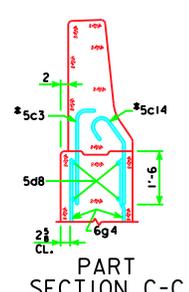
ABUTMENT EXCAVATION DETAILS

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



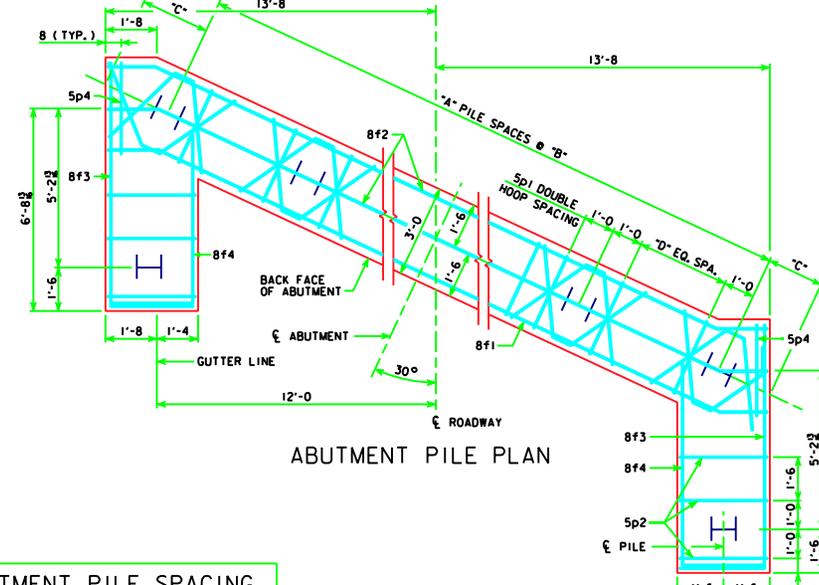
PART SECTION A-A

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



PART SECTION C-C

SPACING FOR:
23-8g1 BACK FACE
21-8g2 FRONT FACE
19-8g3 BACK FACE
20-5k1 & 5k2 BACK FACE



ABUTMENT PILE PLAN

DIMENSION OR NO.	ε TO ε ABUTMENT BEARING			
	80'-0	90'-0	100'-0	110'-0
A PILE SPACES	6	7	8	8
B (FT. - IN.)	4'-7	3'-11	3'-5	3'-5
C (FT. - IN.)	2'-0 1/2	2'-0 1/2	2'-1 1/2	2'-1 1/2
D EQUAL SPACES	3	2	2	2
NO. OF PILES PER ABUT.	9	10	11	11
DESIGN PILE LOAD (TONS)	36	36	34	36

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-16-05
30° SKEW C & D BEAMS