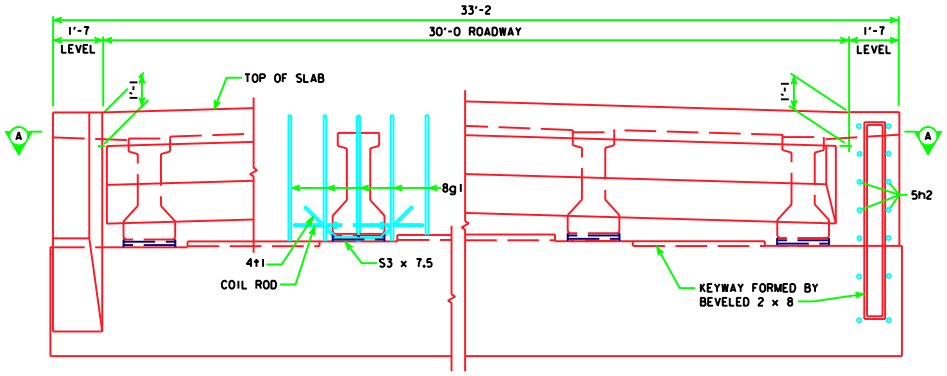
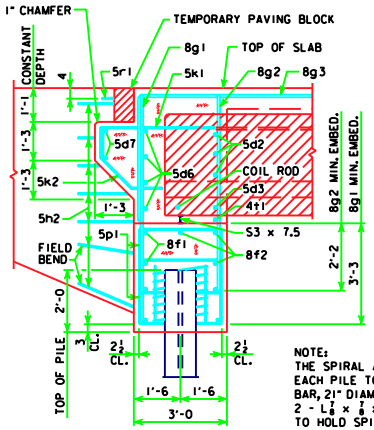


PART REAR ELEVATION AT ABUTMENT

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

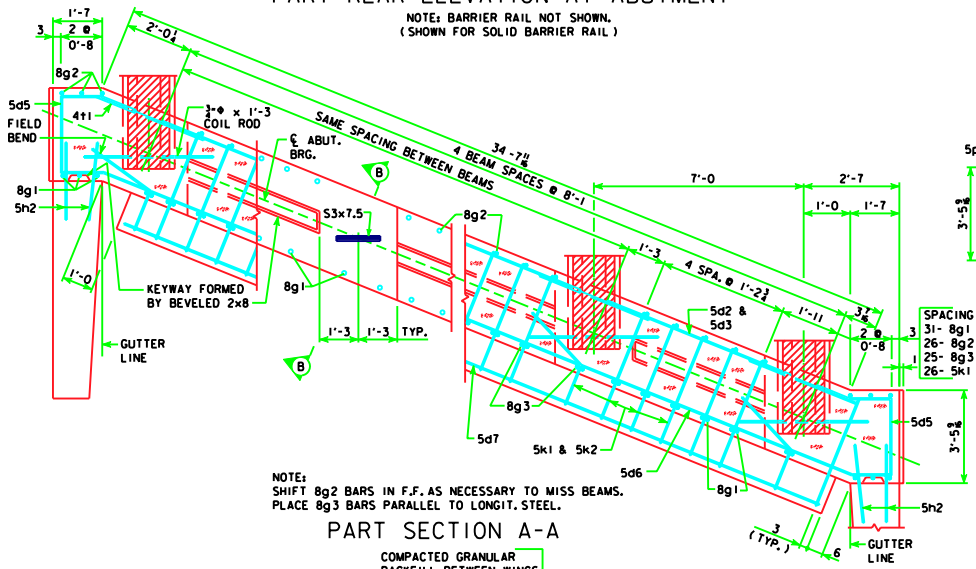


PART SECTION B-B

NOTE:
THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF No. 2 BAR, 21" DIAMETER, 3" PITCH WITH 2 - L 7/8 x 7/8 x 1/8 SPACERS PUNCHED TO HOLD SPIRAL.

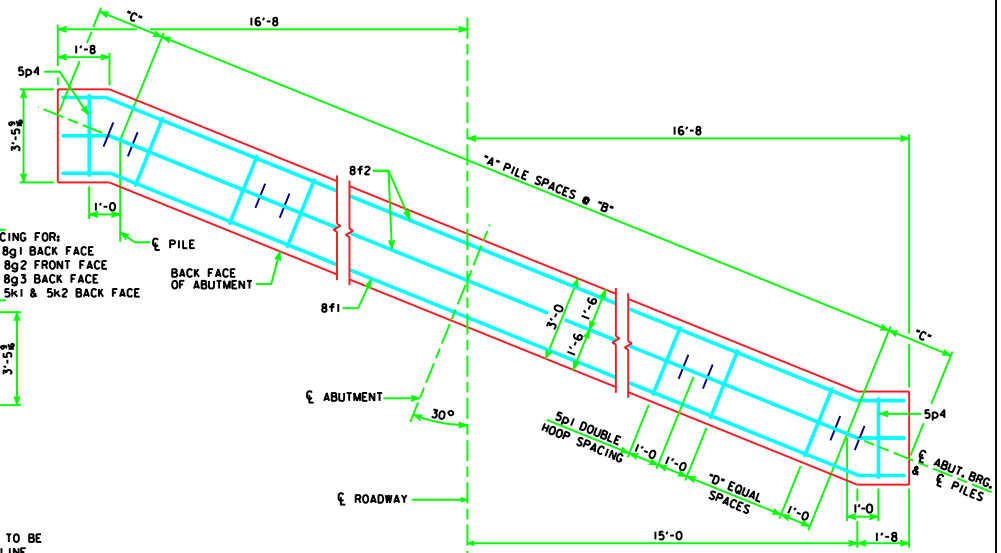
ABUTMENT PILE SPACING

DIMENSION OR NO.	℄ TO ℄ ABUTMENT BEARING		
	46'-8	55'-0	67'-6
"A" PILE SPACES	5	6	7
"B" (FT. - IN.)	6'-11	5'-9	4'-11
"C" (FT. - IN.)	1'-11 7/16	1'-11 5/16	2'-0 7/16
"D" EQUAL SPACES	5	4	3
NO. OF PILES PER ABUT.	6	7	8
DESIGN PILE LOAD (TONS)	35	33	34

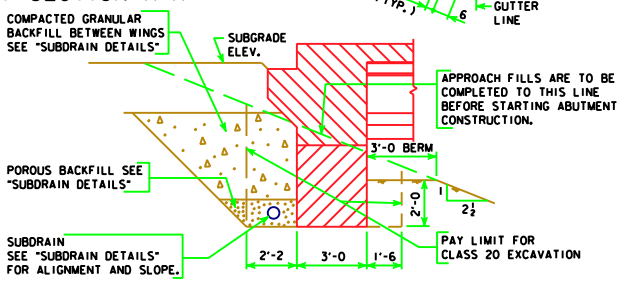


NOTE:
SHIFT 8g2 BARS IN F.F. AS NECESSARY TO MISS BEAMS.
PLACE 8g3 BARS PARALLEL TO LONGIT. STEEL.

PART SECTION A-A



ABUTMENT PILE PLAN



ABUTMENT EXCAVATION DETAILS

ABUTMENT NOTES:

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

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
30° SKEW A & B BEAMS

H30S1-17-05