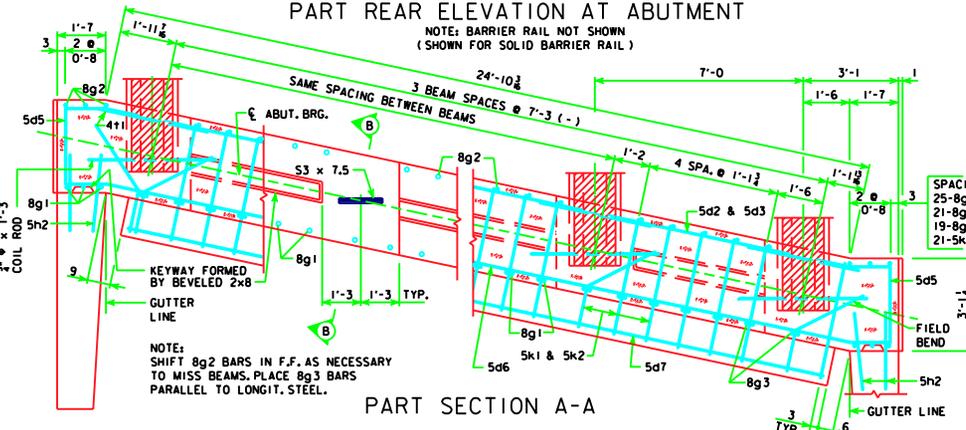


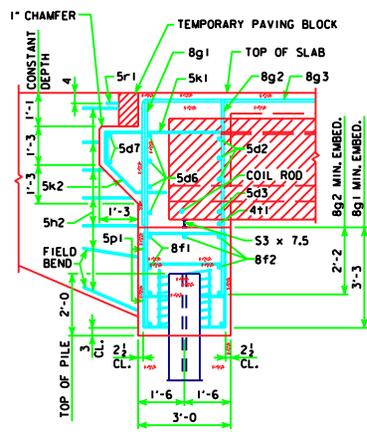
PART REAR ELEVATION AT ABUTMENT

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



PART SECTION A-A

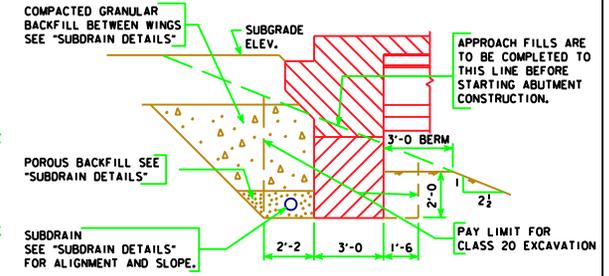
NOTE: SHIFT 8g2 BARS IN F.F. AS NECESSARY TO MISS BEAMS, PLACE 8g3 BARS PARALLEL TO LONGIT. STEEL.



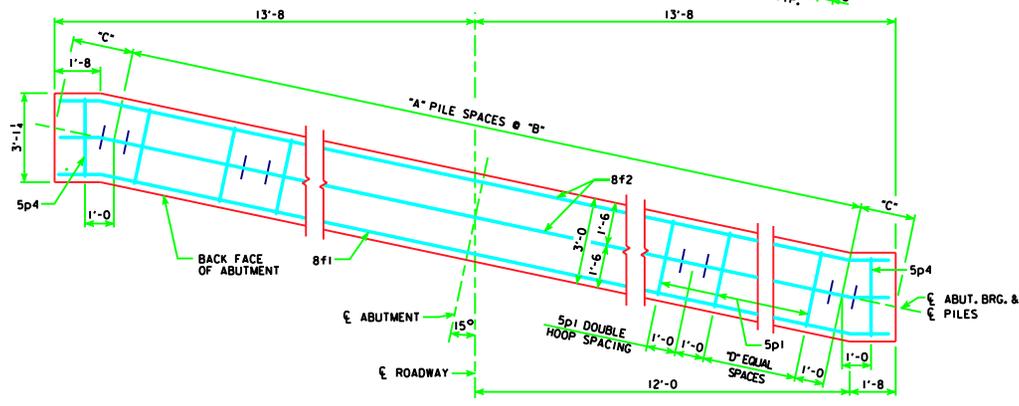
PART SECTION B-B

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

SPACING FOR:
 25-8g1 BACK FACE
 21-8g2 FRONT FACE
 19-8g3 BACK FACE
 21-5k1 & 5k2 BACK FACE



ABUTMENT EXCAVATION DETAILS



ABUTMENT PILE PLAN

ABUTMENT PILE SPACING

| DIMENSION OR NO. | CL TO CL ABUTMENT BEARING | | |
|-------------------------|---------------------------|---------------------|---------------------|
| | 46'-8 | 55'-0 | 67'-6 |
| "A" PILE SPACES | 4 | 5 | 6 |
| "B" (FT. - IN.) | 6'-2 | 4'-11 | 4'-1 |
| "C" (FT. - IN.) | 1'-9 $\frac{3}{4}$ | 1'-10 $\frac{1}{2}$ | 1'-10 $\frac{1}{2}$ |
| "D" EQUAL SPACES | 5 | 3 | 3 |
| NO. OF PILES PER ABUT. | 5 | 6 | 7 |
| DESIGN PILE LOAD (TONS) | 36 | 33 | 33 |

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 *[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
 15° SKEW A & B BEAMS

H24SI-09-05