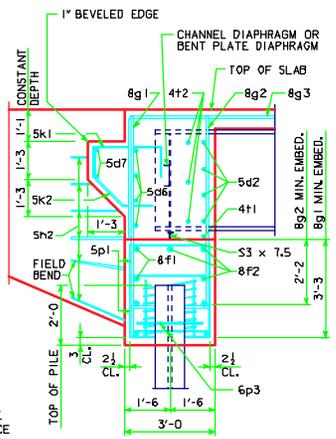


PART REAR ELEVATION AT ABUTMENT

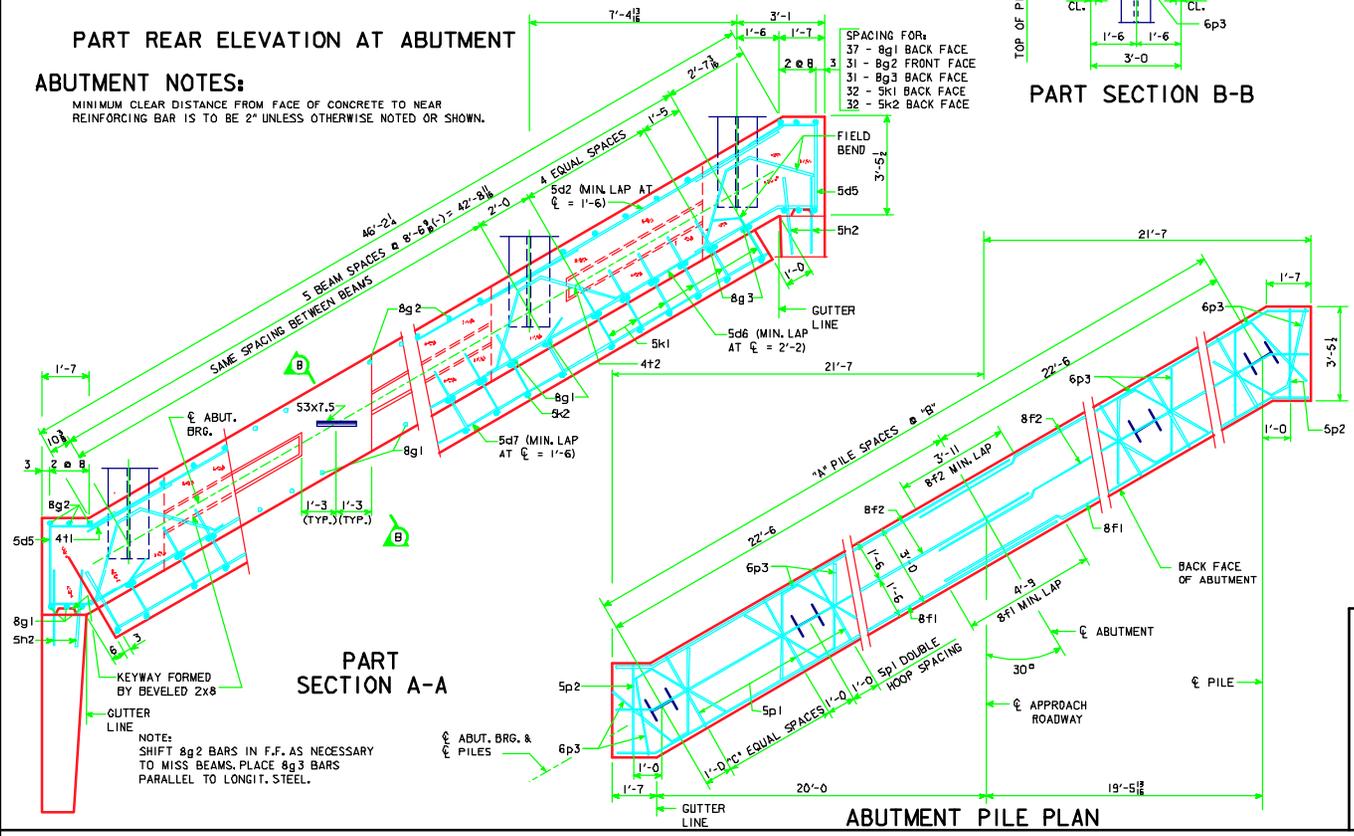
ABUTMENT NOTES:

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



PART SECTION B-B

- NOTES:
- HOLES DRILLED THROUGH BEAM WEB FOR 5d2 AND 4+2 BARS.
 - THE SPIRAL AT THE TOP OF EACH PILE TO BE 7 TURNS OF NO. 2 BAR, 2 1/2" DIAMETER, 3" PITCH WITH 2 - L 1/2 x 1/2 x 1/8 SPACERS PUNCHED TO HOLD SPIRAL.



ABUTMENT PILE PLAN

DIMENSION OR NO.	E TO E ABUTMENT BEARING								
	160'-0"	180'-0"	200'-0"	220'-0"	240'-0"	260'-0"	280'-0"	300'-0"	
*A" (IN)	6	7	7	7	7	8	8	8	
*B" (FT-IN)	7'-6"	6'-5 1/2"	6'-5 1/2"	6'-5 1/2"	6'-5 1/2"	5'-7 1/2"	5'-7 1/2"	5'-7 1/2"	
*C" EQUAL SPACES	5	4	4	4	4	3	3	3	
NO. OF PILES PER ABUT.	7	8	8	8	8	9	9	9	
DESIGN PILE LOAD (TONS)	36	33	34	36	38	35	36	37	

NOTE:
ABUTMENT STEP DIAGRAM PROVIDED BY DESIGNER, SEE "ESTIMATED BRIDGE QUANTITIES" SHEET.

LATEST REVISION DATE APPROVED BY BRIDGE ENGINEER 		
	STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES ROLLED STEEL BEAM BRIDGES FEBRUARY, 2004	
	ABUTMENT DETAILS 30° SKEW	RS40-AB4-04