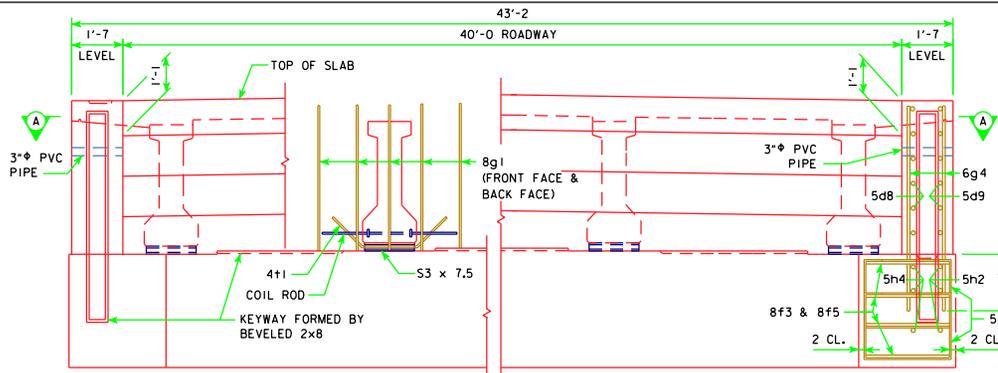
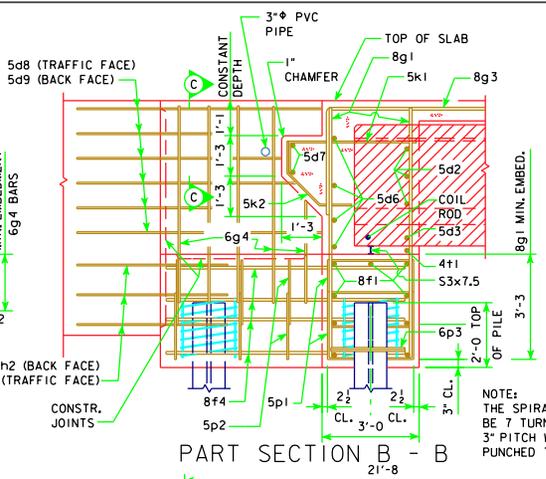


REVISED 01-10 - ADDED DETERMINING & ESTIMATING DESCRIPTIONS FOR PILE LENGTHS.



PART REAR ELEVATION AT ABUTMENT
NOTE: TOP OF ABUTMENT SHOWN FOR SOLID BARRIER RAIL



PART SECTION B - B
21'-8"

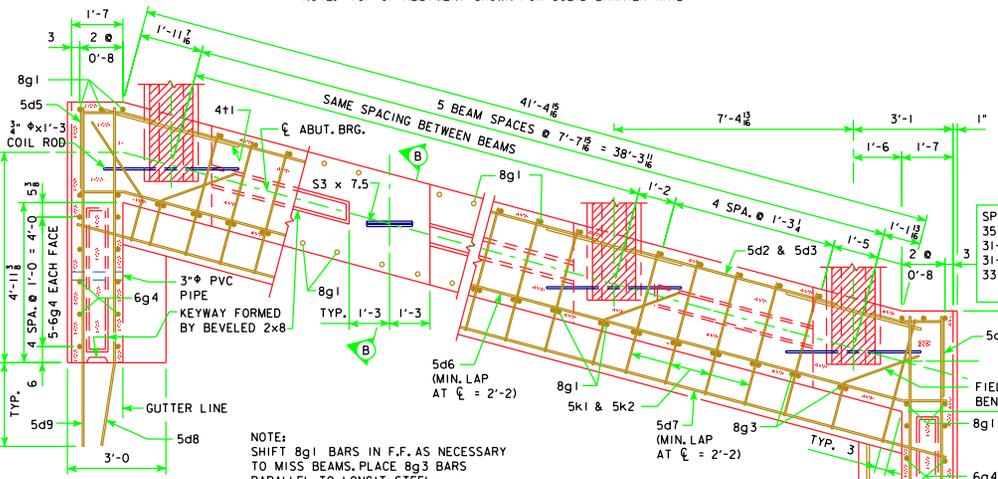
ABUTMENT NOTES:
MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR IS TO BE 2" UNLESS OTHERWISE NOTED OR SHOWN.

IF NECESSARY TO PREVENT DAMAGE TO THE END OF THE BRIDGE DECK OR BACKWALL FROM CONSTRUCTION EQUIPMENT, AN APPROPRIATE METHOD OF PROTECTION APPROVED BY THE ENGINEER SHALL BE PROVIDED BY THE BRIDGE CONTRACTOR AT NO EXTRA COST TO THE COUNTY OR STATE.

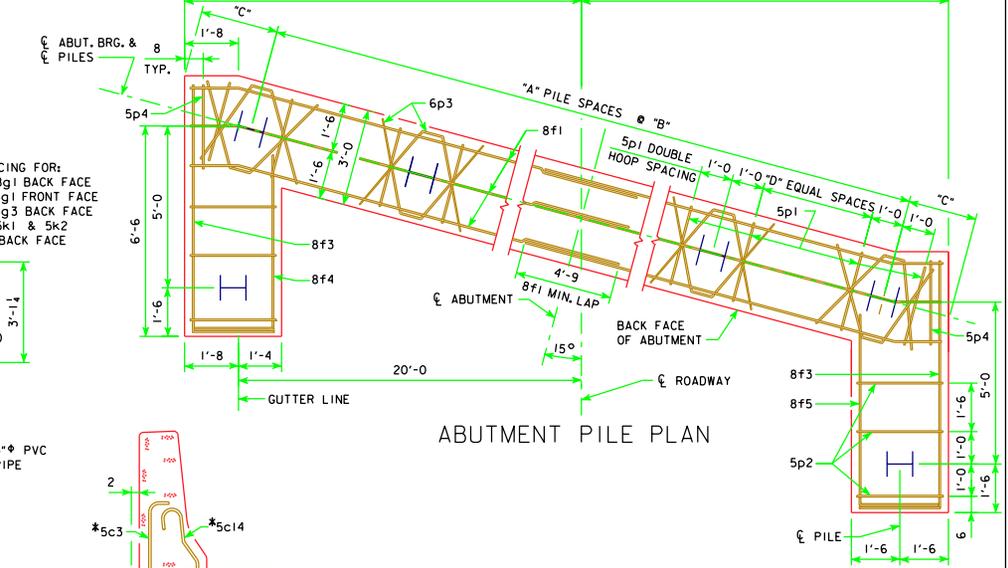
ABUTMENT PILES ARE TO BE DRIVEN TO THE DESIGN BEARING VALUE AS GIVEN IN THE ABUTMENT PILE SPACING TABLE.

BARRIER RAIL NOT SHOWN IN DETAILS.

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



PART SECTION A - A



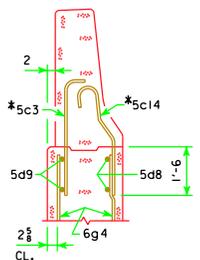
ABUTMENT PILE PLAN

NOTE:
SHIFT 8g1 BARS IN F.F. AS NECESSARY TO MISS BEAMS, PLACE 8g3 BARS PARALLEL TO LONGIT. STEEL.

SPACING FOR:
35-8g1 BACK FACE
31-8g1 FRONT FACE
31-8g3 BACK FACE
33-5k1 & 5k2 BACK FACE

ABUTMENT PILE SPACING		CL-CL ABUT. BRG.	201'-4	213'-10	226'-4	243'-0
WITH STEEL H-PILES	"A" PILE SPACES		7	7	7	8
	"B" (FT. - IN.)		5'-8	5'-8	5'-8	5'-0
	"C" (FT. - IN.)		2'-7 7/8	2'-7 7/8	2'-7 7/8	2'-5 3/8
	"D" EQUAL SPACES		3	3	3	3
	NO. OF PILES PER ABUT.		10	10	10	11
①	PILE BEARING (TONS)		47	49	50	47
②	STRENGTH I DESIGN LOAD (KIPS)		137	141	146	137

① FOR DETERMINING ACTUAL PILE LENGTHS IN FIELD.
② FOR ESTIMATING PILE LENGTHS USING AASHTO LRFD SPECIFICATIONS.



PART SECTION C-C

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

01-10 LATEST REVISION DATE	<i>Thomas C. McQuinn</i> APPROVED BY BRIDGE ENGINEER		
		STANDARD DESIGN - 40' ROADWAY, THREE SPAN BRIDGE PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES AUGUST, 2009	
ABUTMENT DETAILS 15° SKEW C BEAMS		H40-12-06	