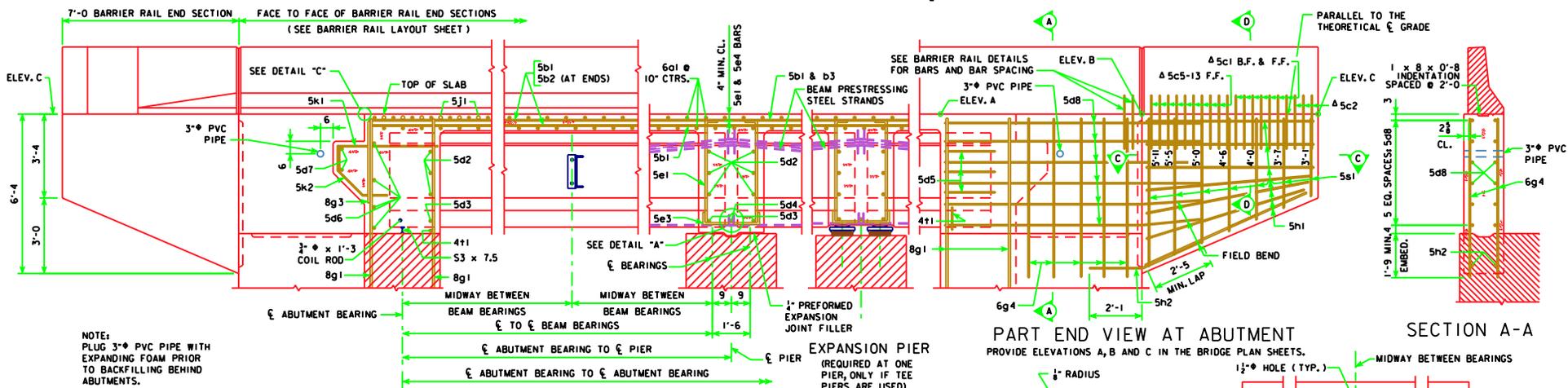


NOTE: BRIDGE IS SYMMETRICAL ABOUT  $\xi$



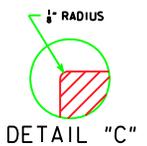
ABUTMENT PART LONGITUDINAL SECTION NEAR GUTTER (FOR DETAILS OF INTERMEDIATE DIAPHRAGM SEE SHEET H30-38-06)

PART END VIEW AT ABUTMENT PROVIDE ELEVATIONS A, B AND C IN THE BRIDGE PLAN SHEETS.

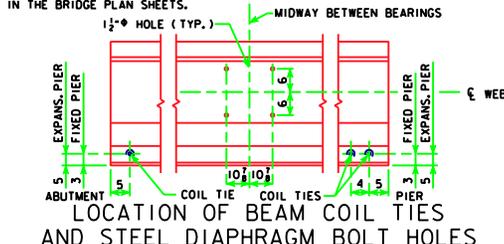
SECTION A-A

NOTE: 3" PVC PIPE WITH EXPANDING FOAM PRIOR TO BACKFILLING BEHIND ABUTMENTS.

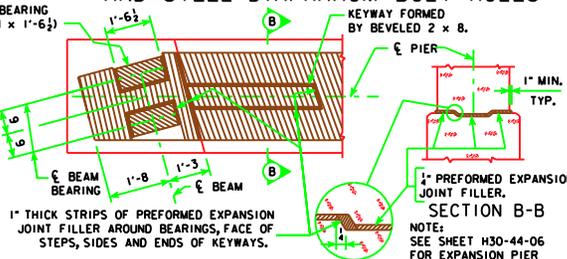
EXPANSION PIER (REQUIRED AT ONE PIER, ONLY IF TEE PIERS ARE USED)



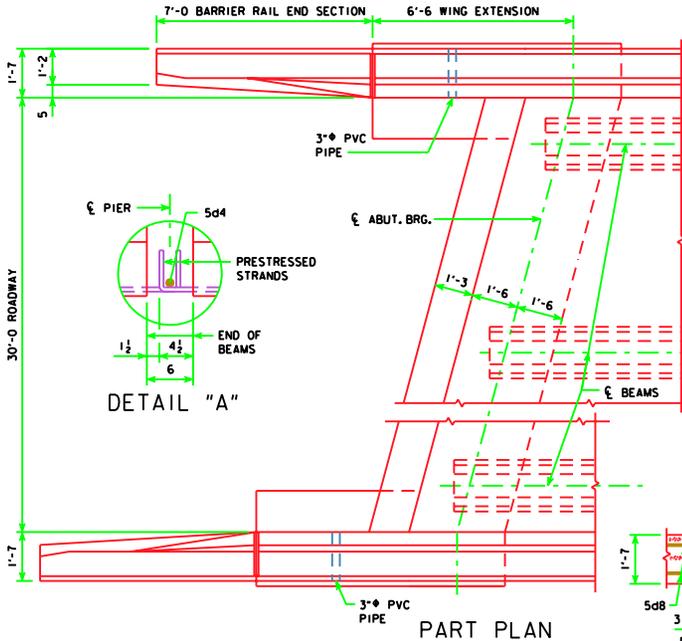
DETAIL "C"



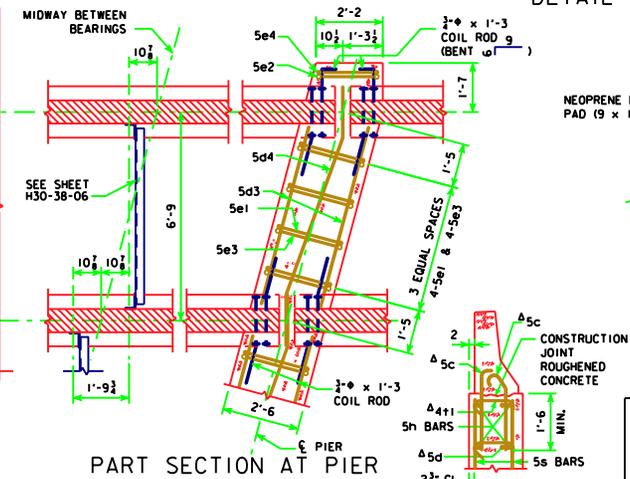
LOCATION OF BEAM COIL TIES AND STEEL DIAPHRAGM BOLT HOLES



SECTION B-B



PART PLAN



PART SECTION AT PIER

PART SECTION C-C

NOTE: SEE END SECTION DETAILS IN THESE PLANS FOR DETAILS OF BARRIER RAIL END SECTION AND SPACING FOR 5c BARRIER RAIL BARS. REINFORCING BARS "5c", "5d" AND "4+1" ARE INCLUDED IN THE SUPERSTRUCTURE QUANTITIES.

LATEST REVISION DATE  
 APPROVED BY BRIDGE ENGINEER  
 Thomas E. McQuillan

**Iowa Department of Transportation**  
 Highway Division

STANDARD DESIGN - 30' ROADWAY, THREE SPAN BRIDGES  
**PRETENSIONED PRESTRESSED CONCRETE BEAM BRIDGES**

HL93 SUPERSTRUCTURE    DECEMBER, 2006    HS25 SUBSTRUCTURE

LONGITUDINAL SECTION 15° SKEW C BEAMS    H30-14-06