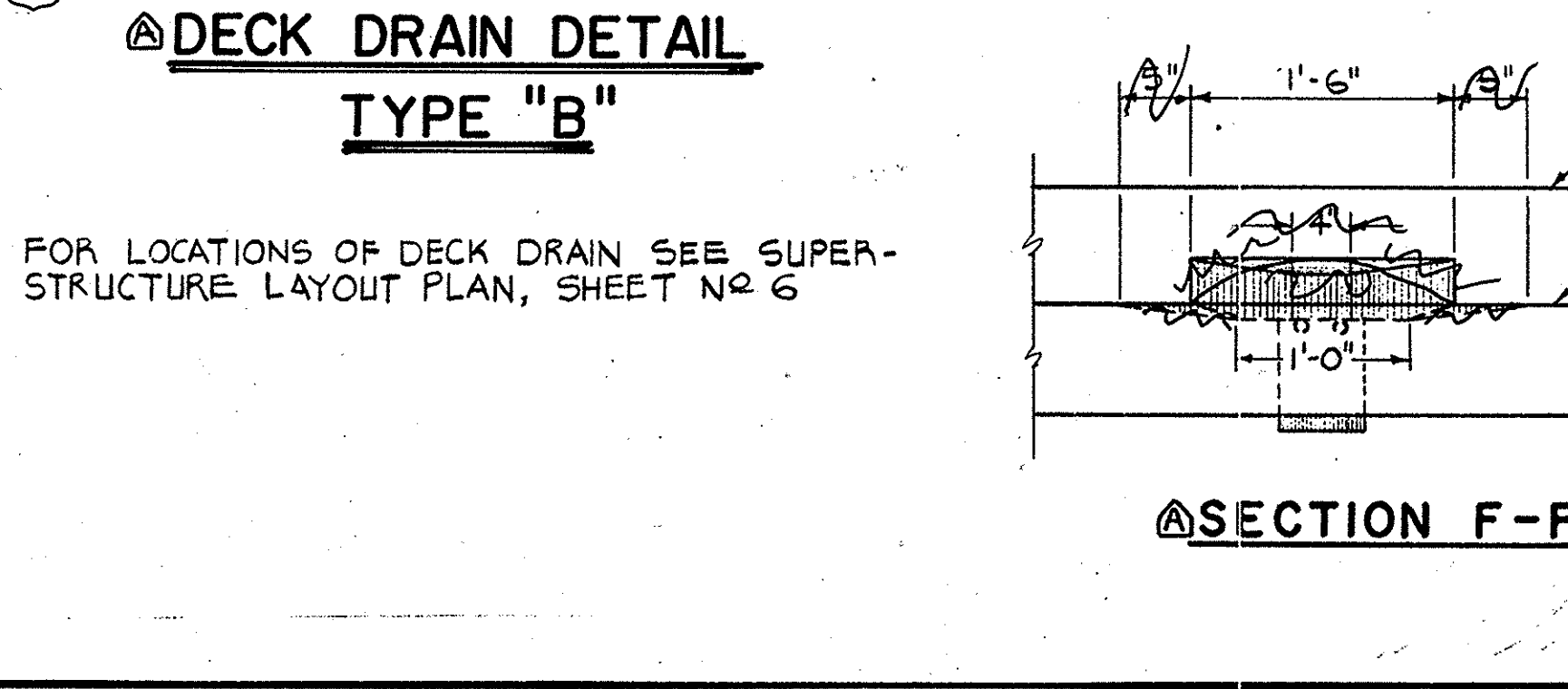
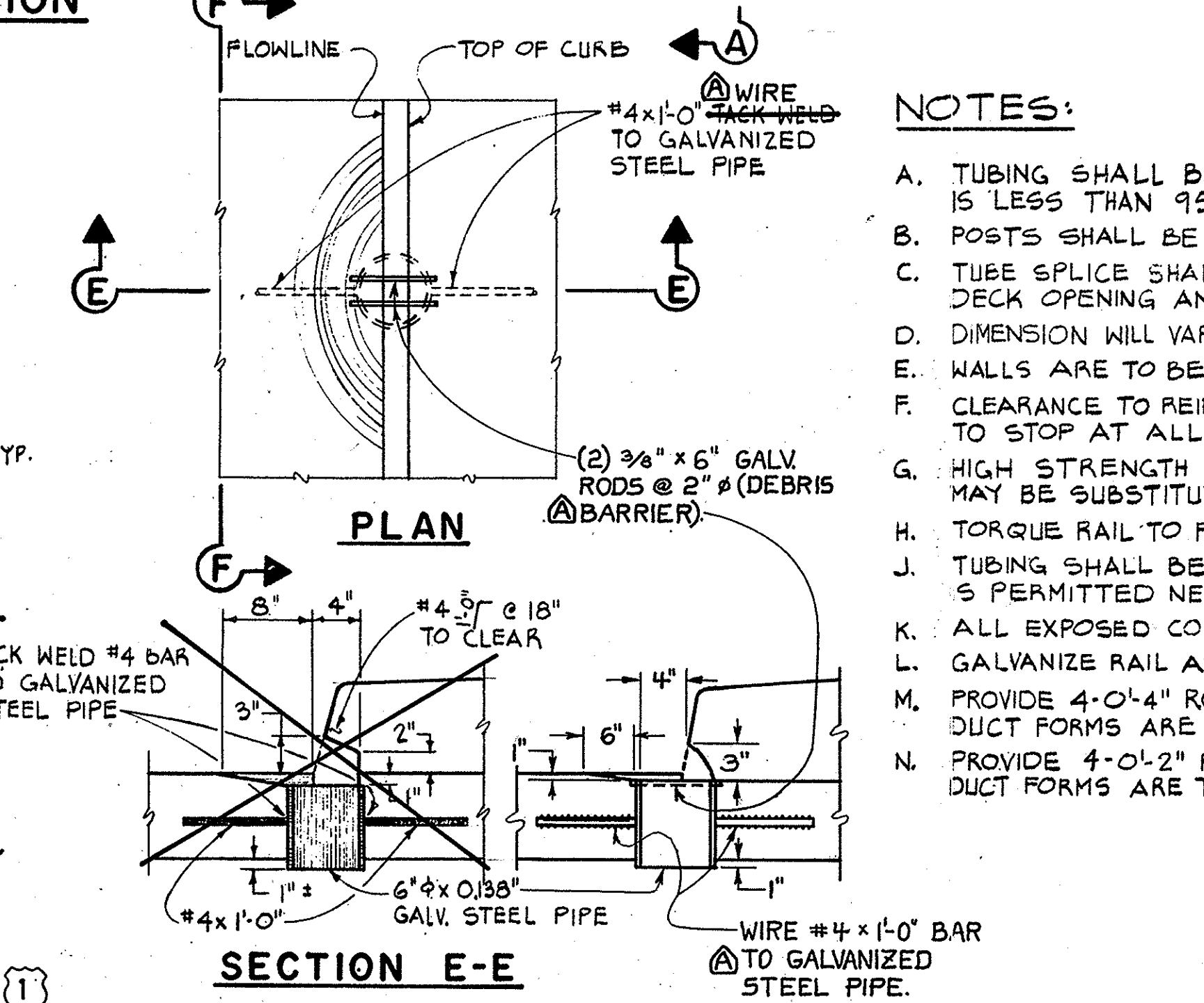
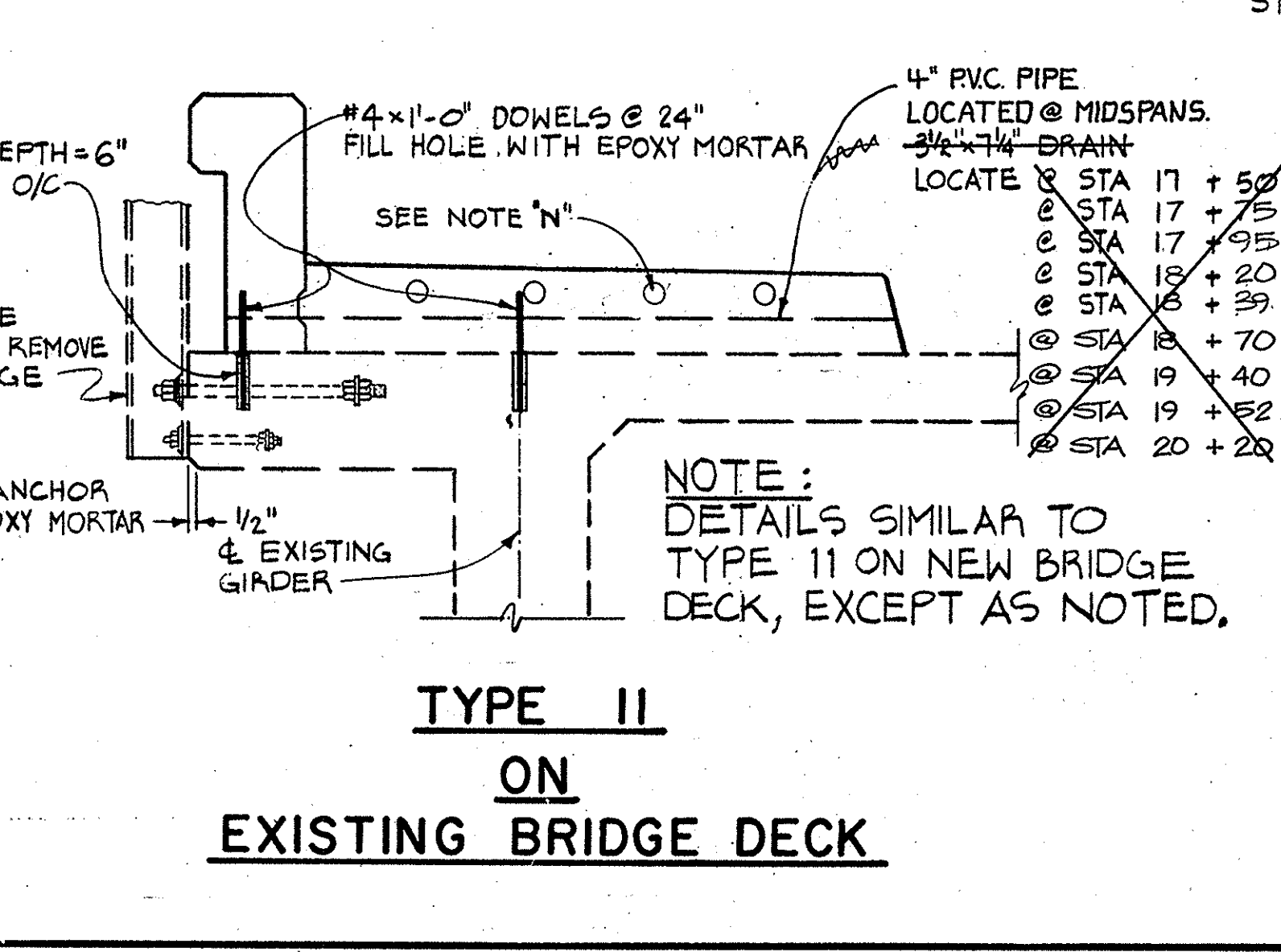
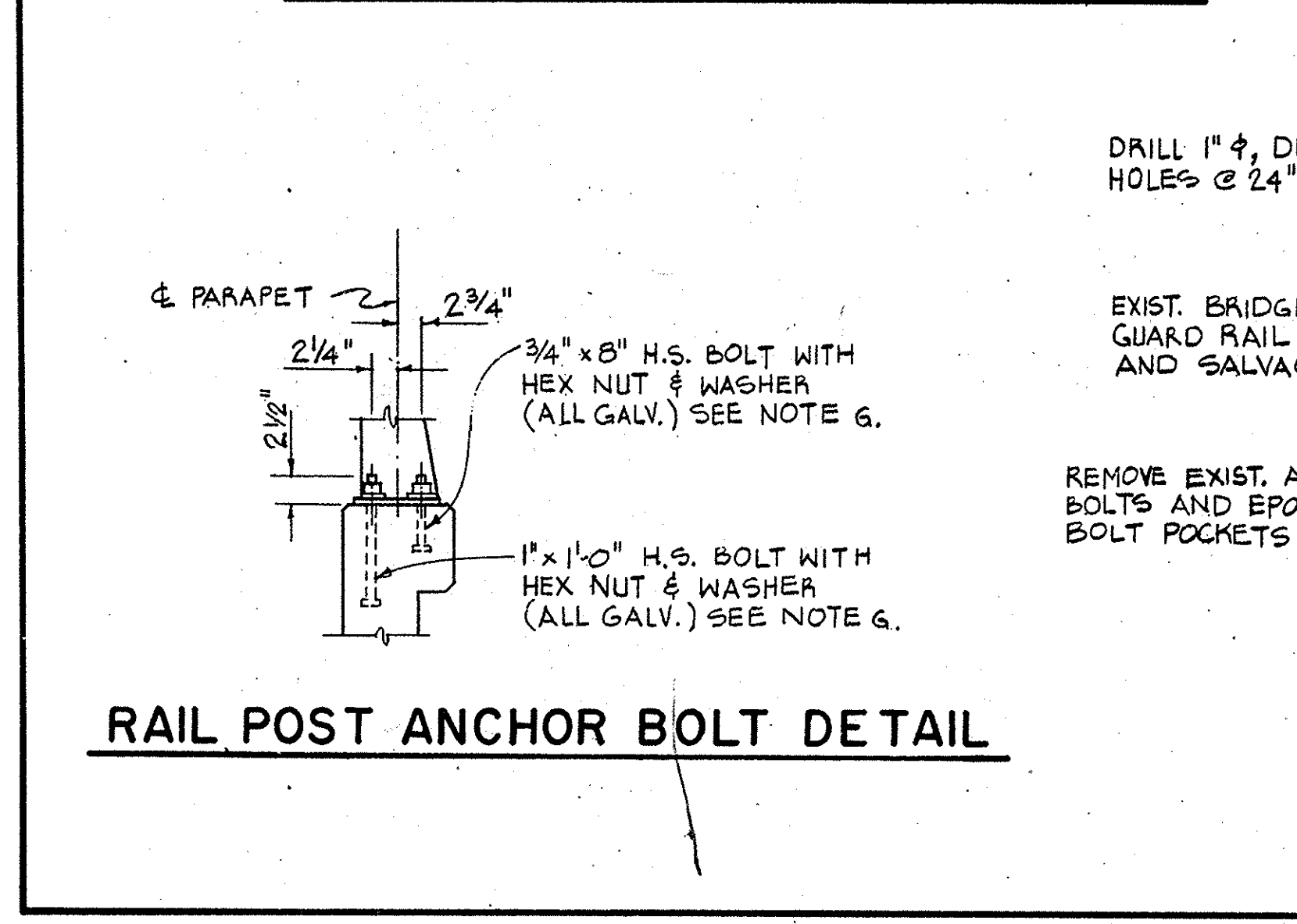
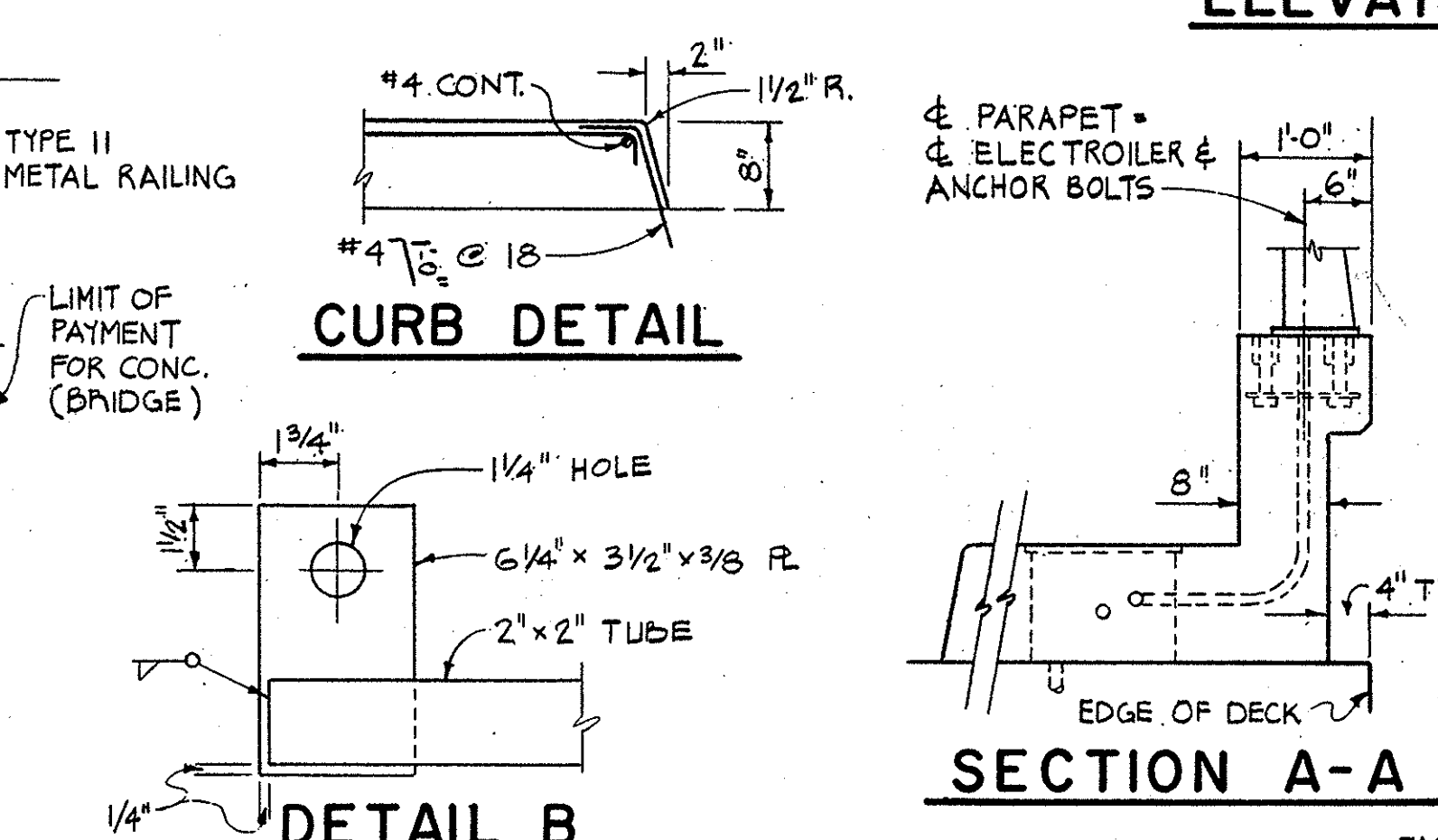
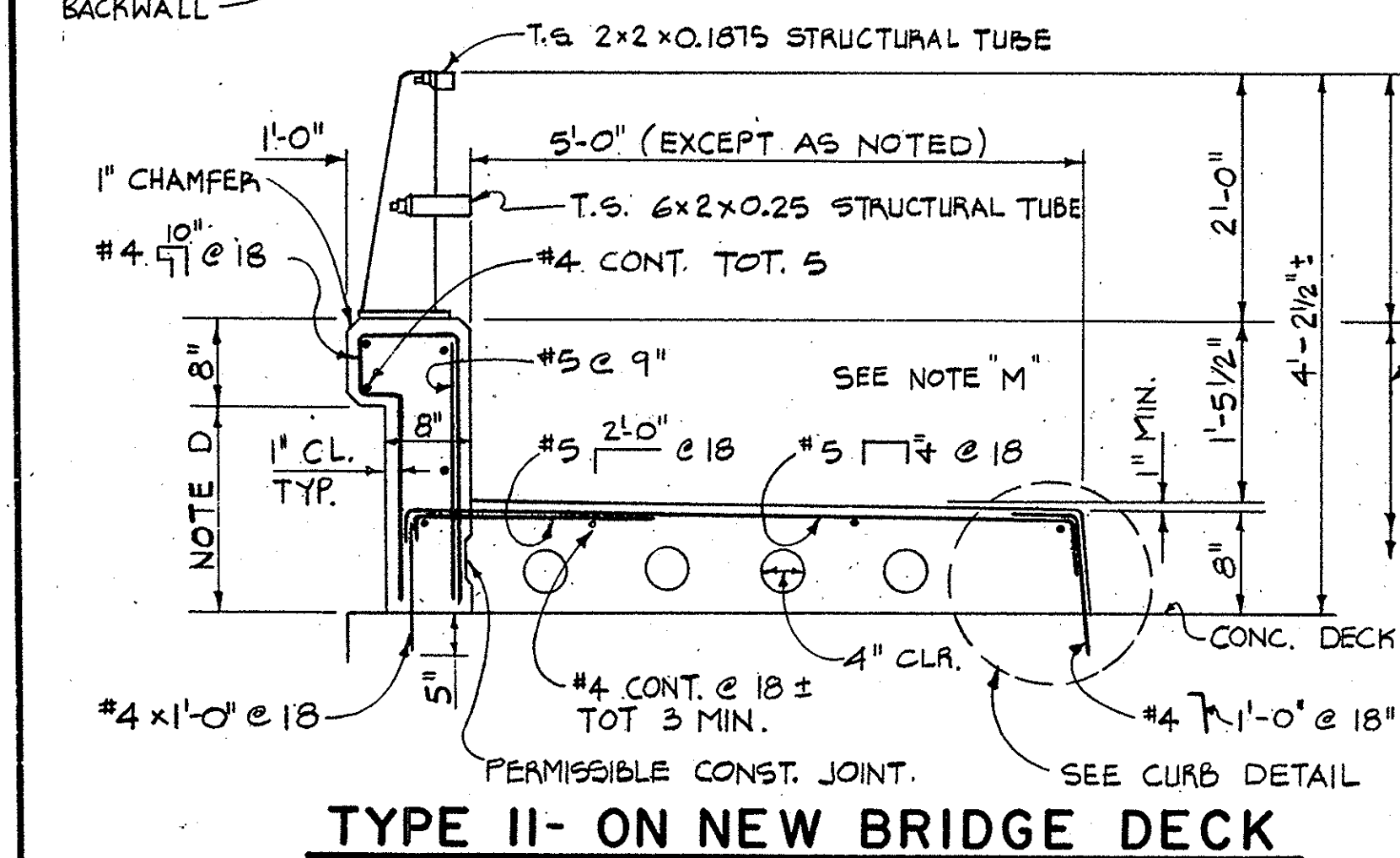
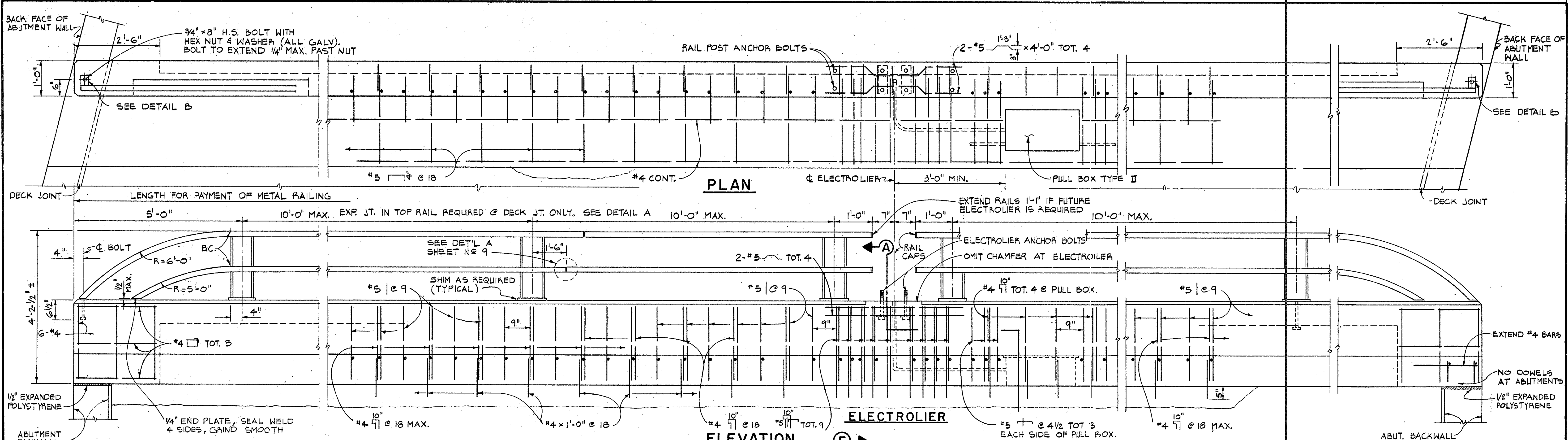




**AS BUILT**

- NOTES:**
- TUBING SHALL BE SHOP BENT OR FABRICATED TO FIT HORIZONTAL CURVE WHEN RADIUS IS LESS THAN 950'
  - POSTS SHALL BE NORMAL TO RAILING
  - TUBE SPLICE SHALL BE LOCATED IN TUBES SPANNING DECK JOINTS. INCREASE JOINT WIDTH TO MATCH DECK OPENING AND INCREASE SLEEVE LENGTH CORRESPONDINGLY.
  - DIMENSION WILL VARY WITH CROSS SLOPE.
  - WALLS ARE TO BE BACKFILLED BEFORE RAILING IS PLACED.
  - CLEARANCE TO REINFORCING STEEL IN CURB AND RAILING TO BE 1" LONGITUDINAL REINFORCEMENT TO STOP AT ALL JOINTS.
  - HIGH STRENGTH RODS THREADED BOTH ENDS WITH 2 HEX NUTS AND WASHERS (ALL GALV.) MAY BE SUBSTITUTED FOR HIGH STRENGTH ANCHOR BOLTS.
  - TORQUE RAIL TO POST NUTS TO 175 FT. LBS. EXCEPTION: (2x2 TUBE IS WRENCH TIGHT)
  - TUBING SHALL BE CONTINUOUS OVER NOT LESS THAN TWO POSTS EXCEPT A SHORT LENGTH IS PERMITTED NEAR DECK JOINTS, ELECTROLIER OR OTHER RAILING DISCONTINUITIES.
  - ALL EXPOSED CORNERS SHALL BE GROUND SMOOTH.
  - GALVANIZE RAIL ASSEMBLY AFTER FABRICATION.
  - PROVIDE 4'-0" x 4" ROUND OPENINGS FOR FUTURE UTILITIES. OPENINGS ARE TO BE SEALED AT ENDS. DUCT FORMS ARE TO BE TIED DOWN. NOTE ON NEW DECK ONLY.
  - PROVIDE 4'-0" x 2" ROUND OPENINGS FOR PULL BOX WIRING. SEE DETAILS SHEET NO. 14. DUCT FORMS ARE TO BE TIED DOWN. PLACE OPENINGS ON EXISTING DECK ONLY.

1" = 1/2" = 0 1 2  
3 inches on original drawing

|                                                  |                |                                                                             |       |
|--------------------------------------------------|----------------|-----------------------------------------------------------------------------|-------|
| WHEELER & GRAY<br>CONSULTING ENGINEERS           |                | SE# 918                                                                     |       |
| ORANGE COUNTY<br>ENVIRONMENTAL MANAGEMENT AGENCY |                | SLATER-SEGERSTROM BRIDGE<br>(SA-31A) WIDENING OVER<br>SANTA ANA RIVER (EOI) |       |
| BARRIER RAILING<br>TYPE-II                       |                | 7-81 AS BUILT                                                               |       |
| DATE                                             | DESCRIPTION    | PREPARED UNDER<br>SUPERVISION OF                                            | SHEET |
| DESIGNED W.F.POND                                | REVISIONS      | DATE                                                                        | 8     |
| DRAWN E.G.                                       | CHECKED W.F.P. | SCALE                                                                       | DATE  |
| AS SHOWN                                         |                | DWG. NO.                                                                    |       |