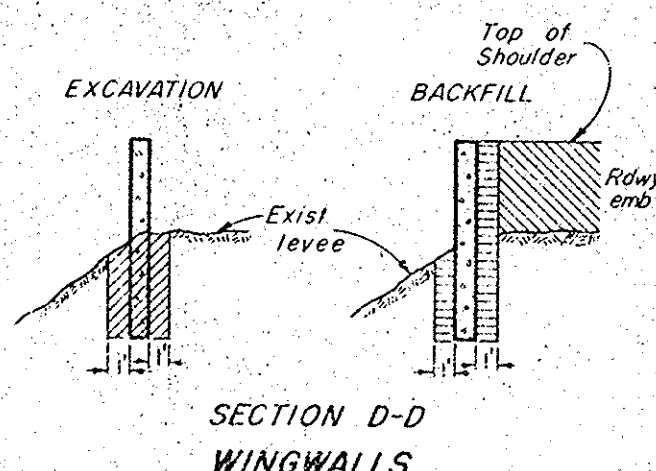
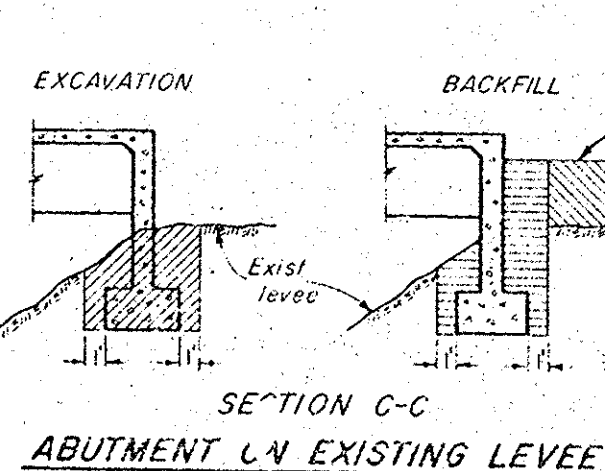
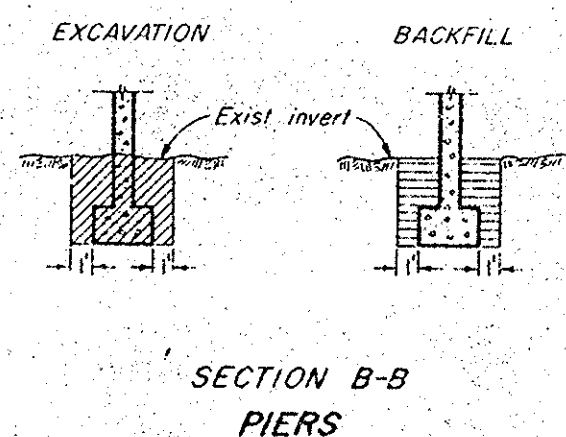
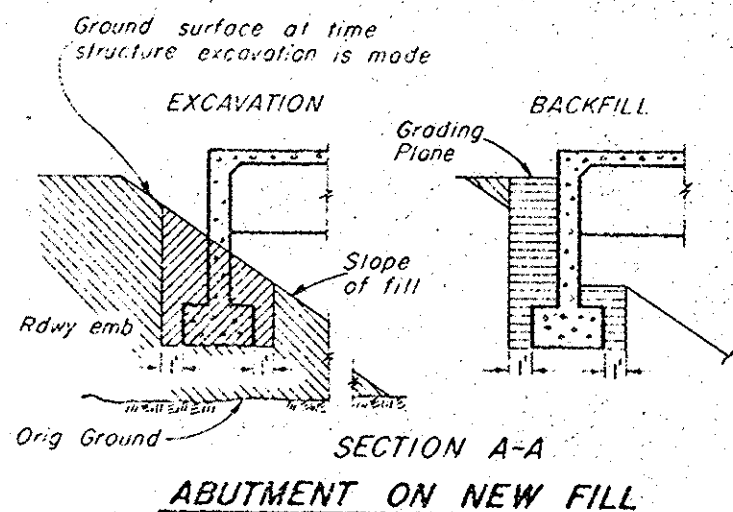
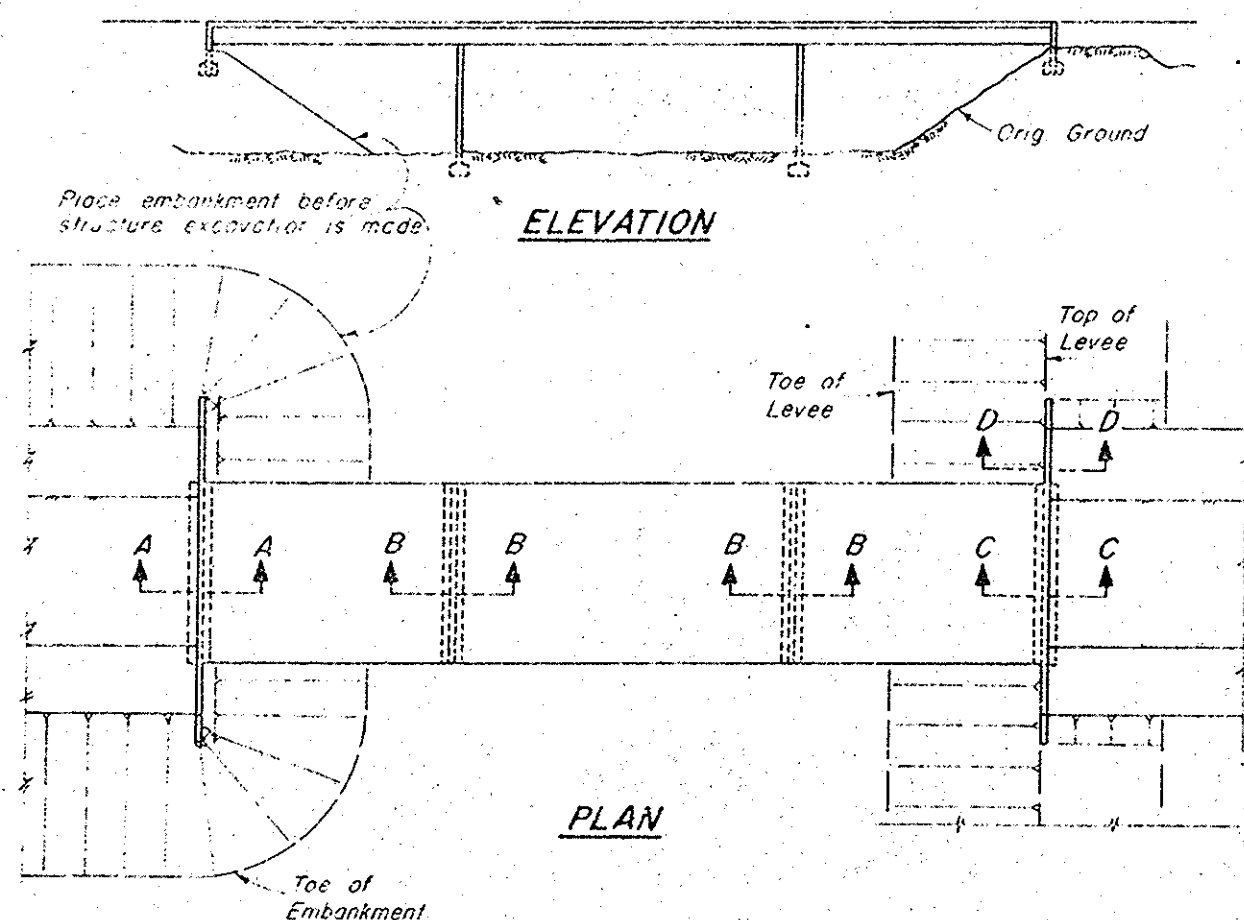


EXACT®

EXACT LEVEL & TYPICAL BRIDGE H.I., U.S.A.

STRAIGHT EDGE RULE SE-48



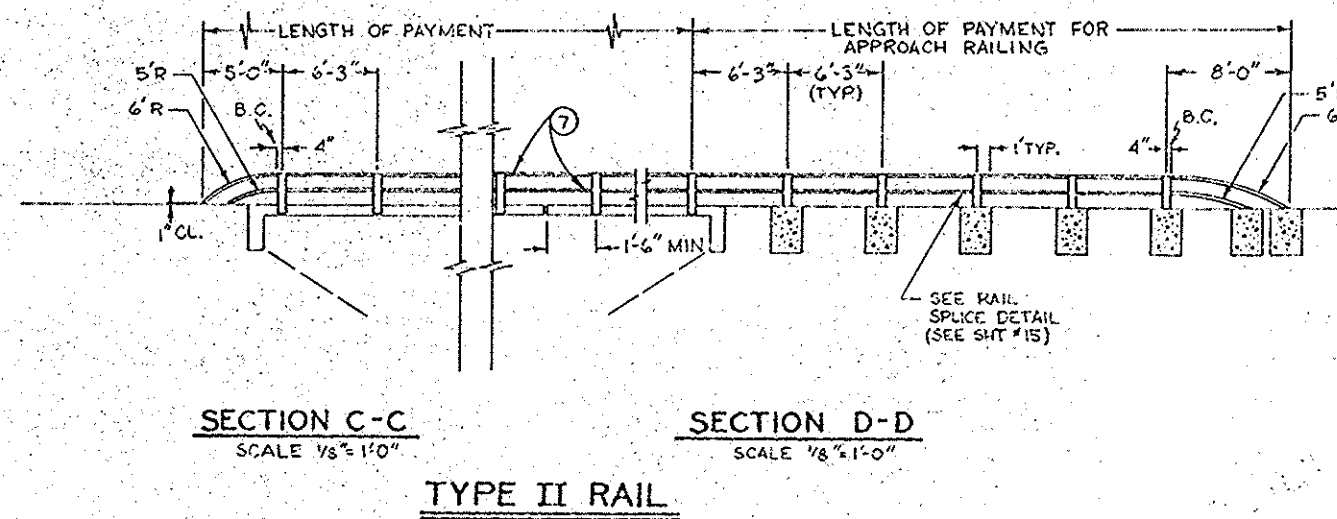
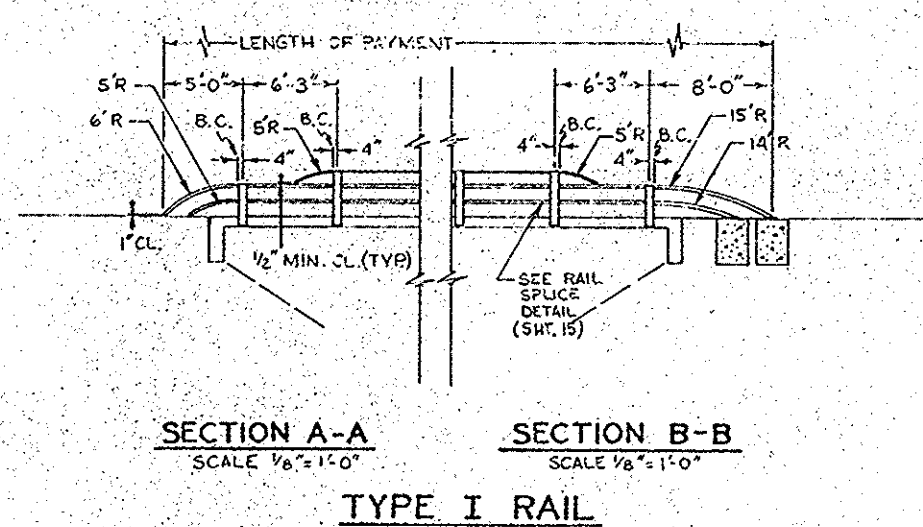
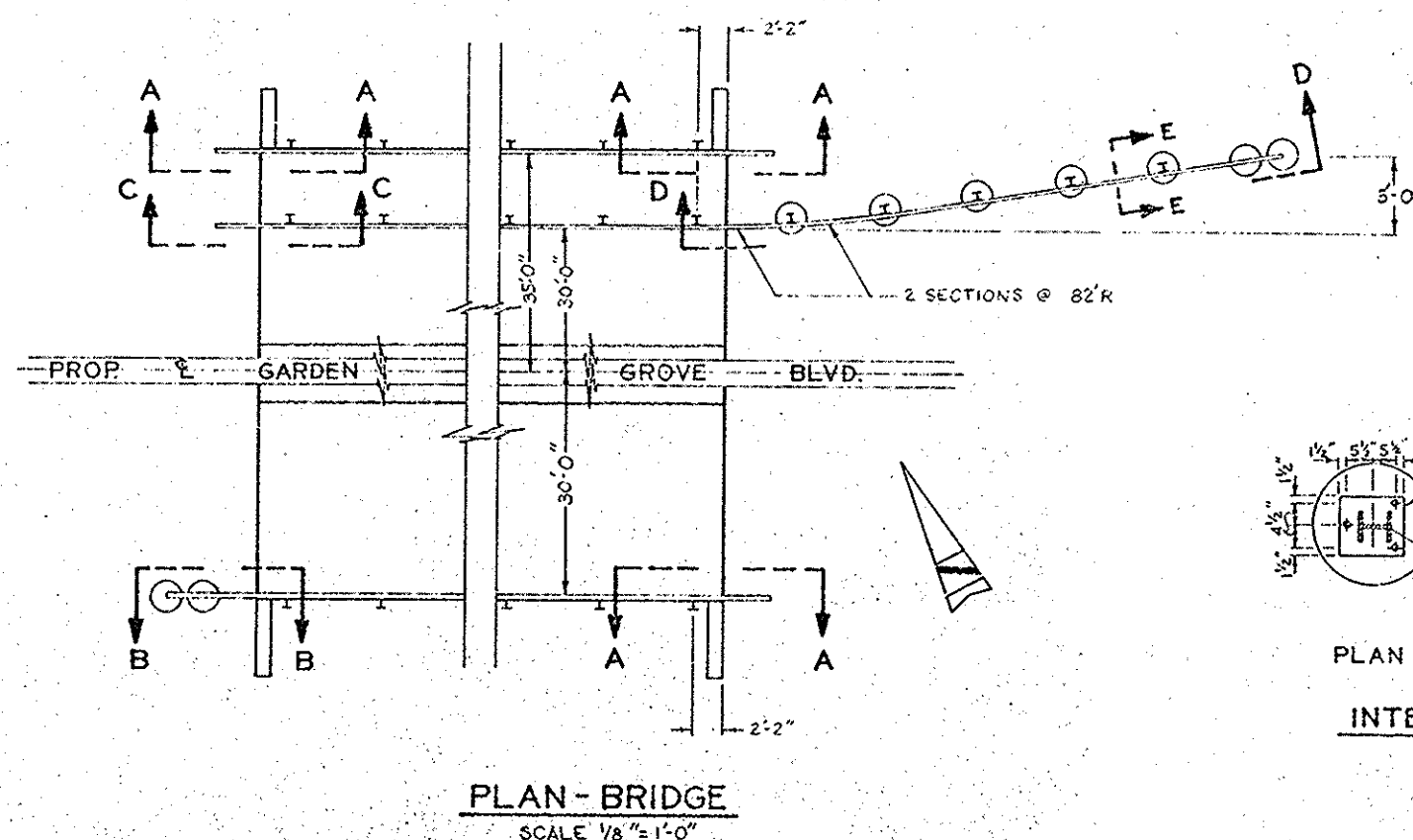
LEGEND

STRUCTURE EXCAVATION

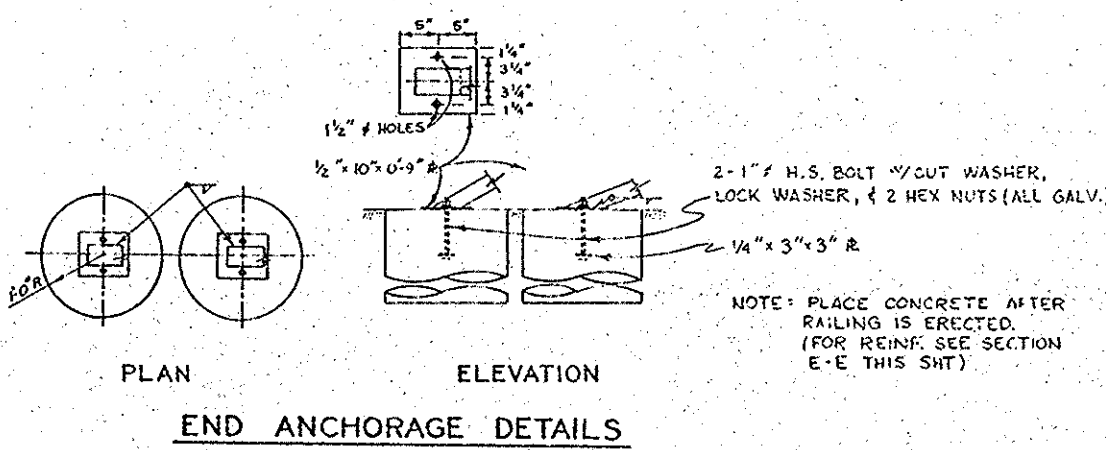
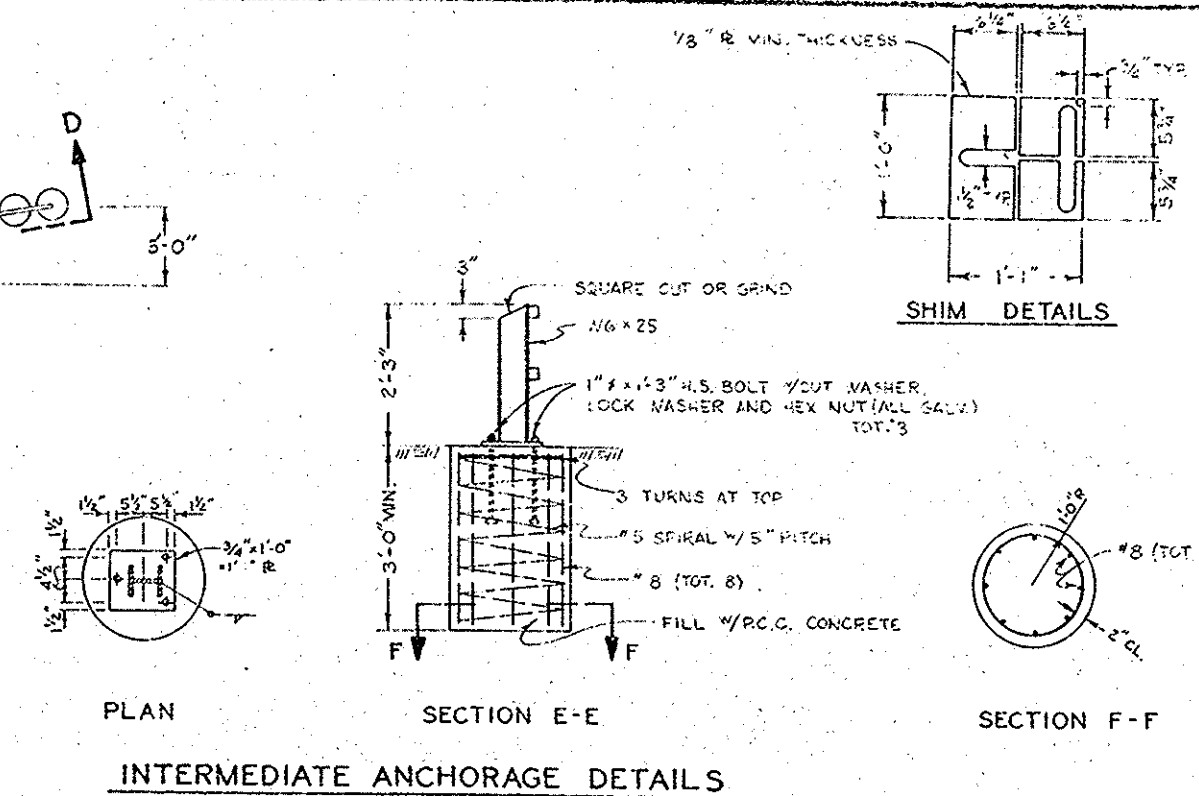
STRUCTURE BACKFILL

ROADWAY EMBANKMENT

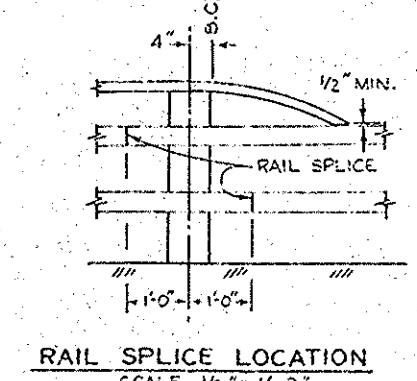
STRUCTURE EXCAVATION & BACKFILL DETAILS



METAL TUBE BRIDGE RAIL



- CONSTRUCTION NOTES**
1. POSTS SHALL BE VERTICAL @ 4' 3" C-C.
 2. TUBING SHALL BE SHOP BENT TO 32' RADIUS.
 3. TUBING SHALL BE PARALLEL TO VERT. ALIGNMENT.
 4. CONTRACTOR TO PROVIDE METAL SHIMS TO ALIGN POSTS.
 5. TUBING SHALL BE CONTINUOUS OVER NOT LESS THAN 3 INTERMEDIATE POSTS, WITH A MINIMUM LENGTH OF 3 PANELS EXCEPT AS NOTED.
 6. GALVANIZED RAIL ASSEMBLY AFTER FABRICATION.
 7. JOINTS IN ONE PANEL STAGGERED AS SHOWN PERMITTED ONLY @ DECK EXP. JOINTS.
 8. SPACE POSTS TO PROVIDE 1'-0" MIN. CLEAR. BETWEEN EXP. JTS. AND C. POSTS.
 9. RAIL JOINTS IN TUBES AT DECK EXP. JOINTS SHALL PROVIDE ALLOWANCE FOR MOVEMENT EQUAL TO WIDTH OF DECK JOINT WITH CORRESPONDING INCREASE IN LENGTH OF SLEEVE.
 10. NO MORE THAN ONE TUBE SPLICE PER PANEL PERMITTED, EXCEPT AS NOTED.



T-3041 (45)

ORANGE COUNTY ROAD DEPARTMENT
GARDEN GROVE BLVD.
BRIDGE SA-18
OVER
SANTA ANA RIVER
BRIDGE RAIL - STRUCTURE
EX. & BACKFILL DETAILS

AS NOTED

SHEET 12 OF 15

207 (10644)