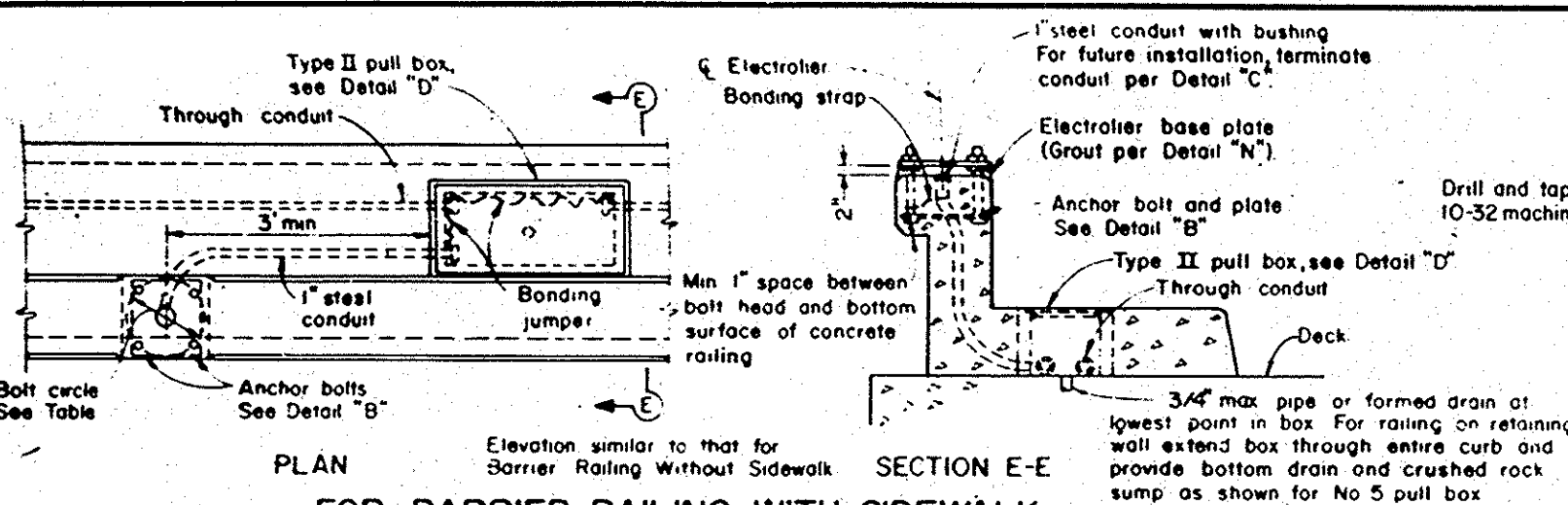


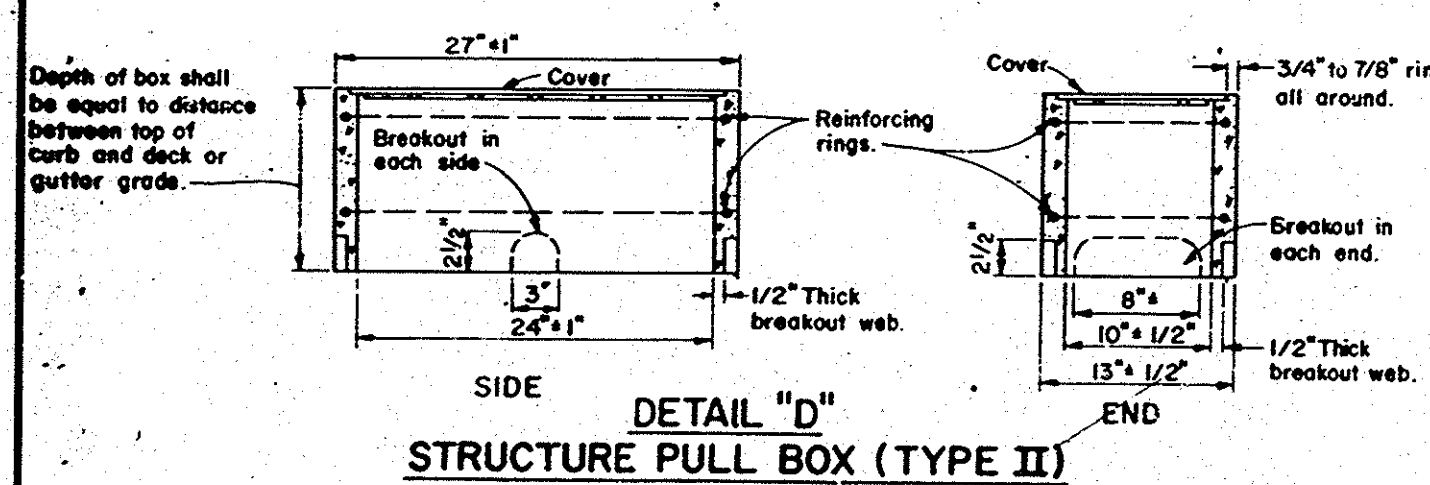


PLAN SECTION E-E

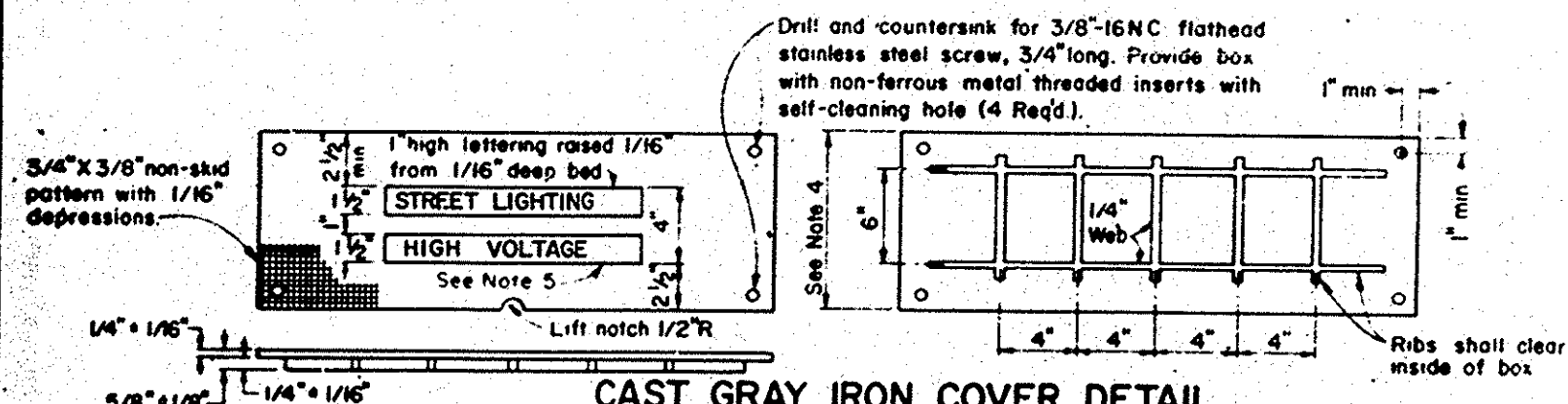
FOR BARRIER RAILING WITH SIDEWALK

See detail titled "ELECTROLIER" for structural details of electrolier

DETAIL "A" ELECTROLIER BASE AND PULL BOX INSTALLATION



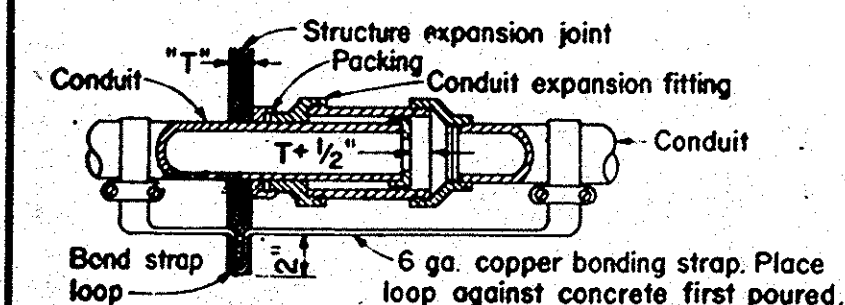
SIDE END
DETAIL "D"
STRUCTURE PULL BOX (TYPE II)



CAST GRAY IRON COVER DETAIL

NOTES

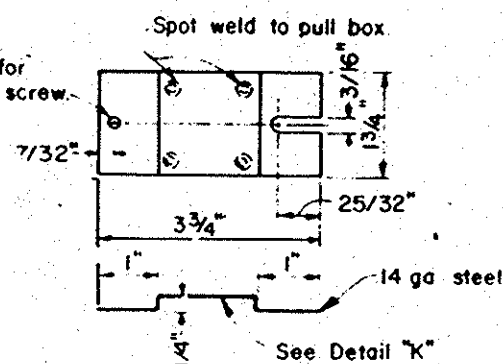
- Cover shall conform to the ASTM specification for gray iron castings, designation A-48, class 30, and shall be hot-dipped galvanized after fabrication.
- Completed cover shall be free from warp and shall fit into box facing either direction.
- Steel reinforcing may be as used in standard products of respective manufacturer.
- Dimensions of cover shall provide 1/2-inch minimum overlap all around top inside edge of box.



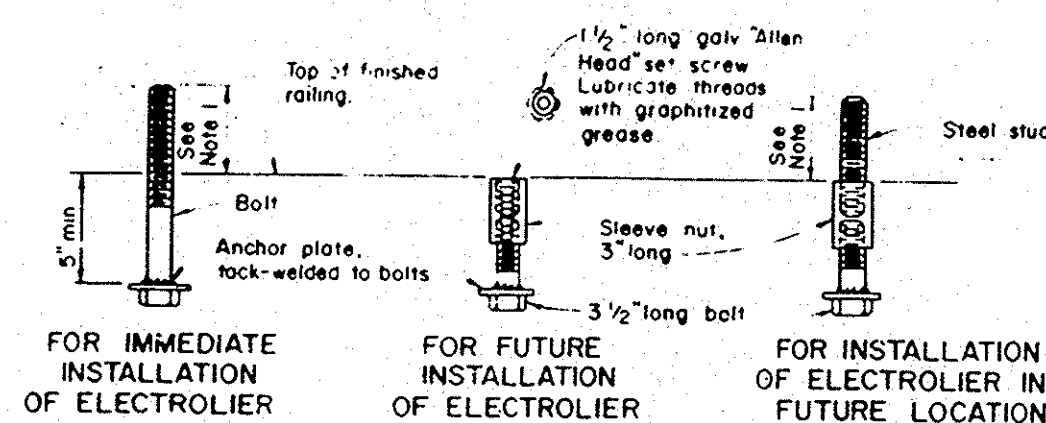
NOTES

- Except for sidewalk joints, a conduit expansion fitting shall be installed at each 1/2-inch or greater structure joint, hinge or abutment.
- Expansion fitting shall be installed parallel to superstructure girders.
- Where lateral movement greater than 1/4-inch may occur, install neoprene sleeve expansion-deflection fitting straddling joint.

DETAIL "X"
CONDUIT EXPANSION JOINT



TERMINAL BLOCK
MOUNTING BRACKET



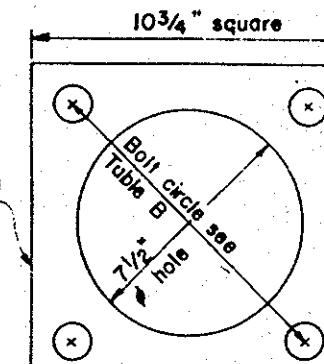
FOR IMMEDIATE
INSTALLATION
OF ELECTROLIER

FOR FUTURE
INSTALLATION
OF ELECTROLIER

FOR INSTALLATION
OF ELECTROLIER IN
FUTURE LOCATION

NOTES

- Anchor bolt or stud length shall be such that thread extends 1/2-inch maximum above nut on level base plate after grouting. See Detail "N".
- Electrolier anchor bolts shall be held in position for pouring by means of suitable templates. Deviation from the true position, vertical and height, shall not exceed 1/16-inch.

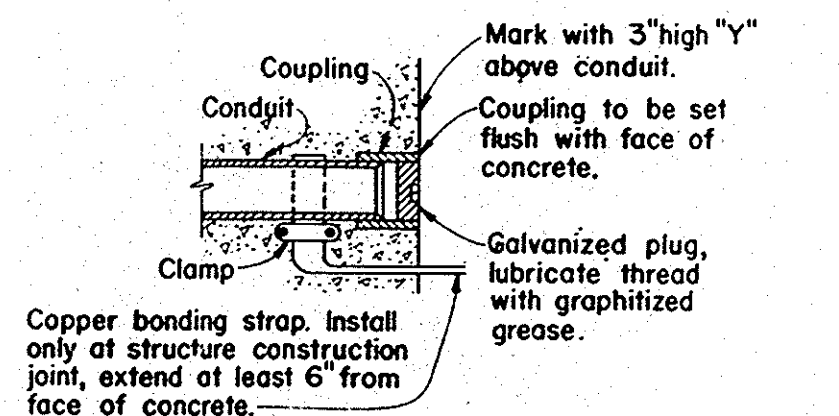


ANCHOR PLATE

TABLE B

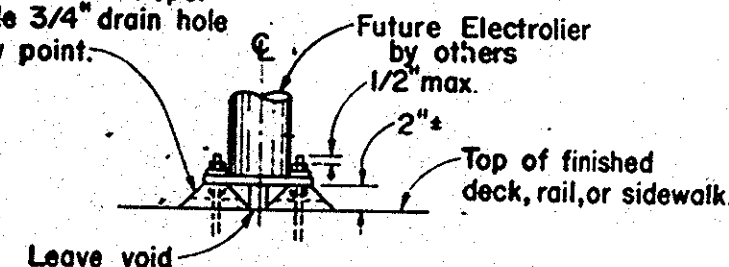
TYPE	BOLT CIRCLE	ANCHOR BOLT DIAMETER
	9 1/2"	1"

DETAIL "B"
ELECTROLIER ANCHOR BOLTS

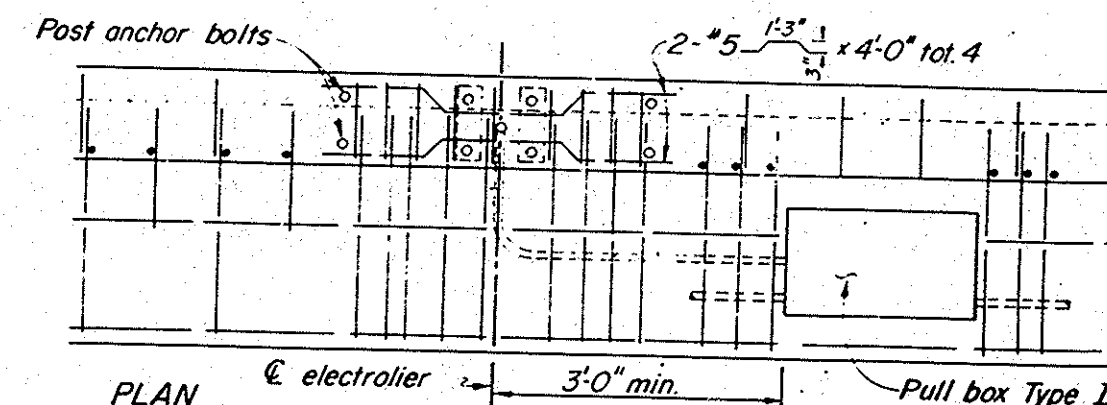


DETAIL "C"
CONDUIT TERMINATION

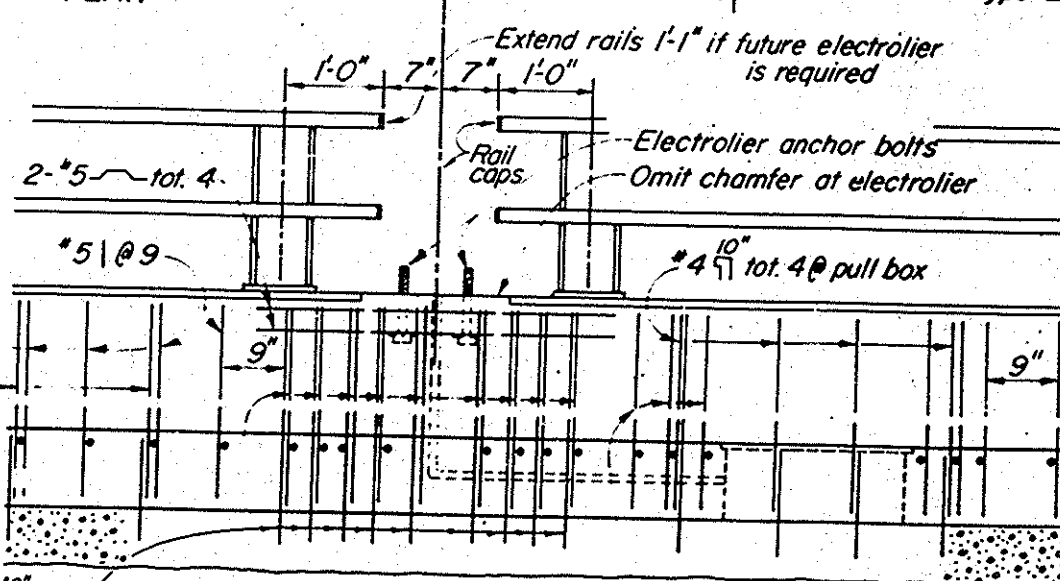
After plumbing standard, grout all around bolts. Finish with 45° slope. Provide 3/4-inch drain hole at low point.



DETAIL "N"
GROUTING AT ELECTROLIER



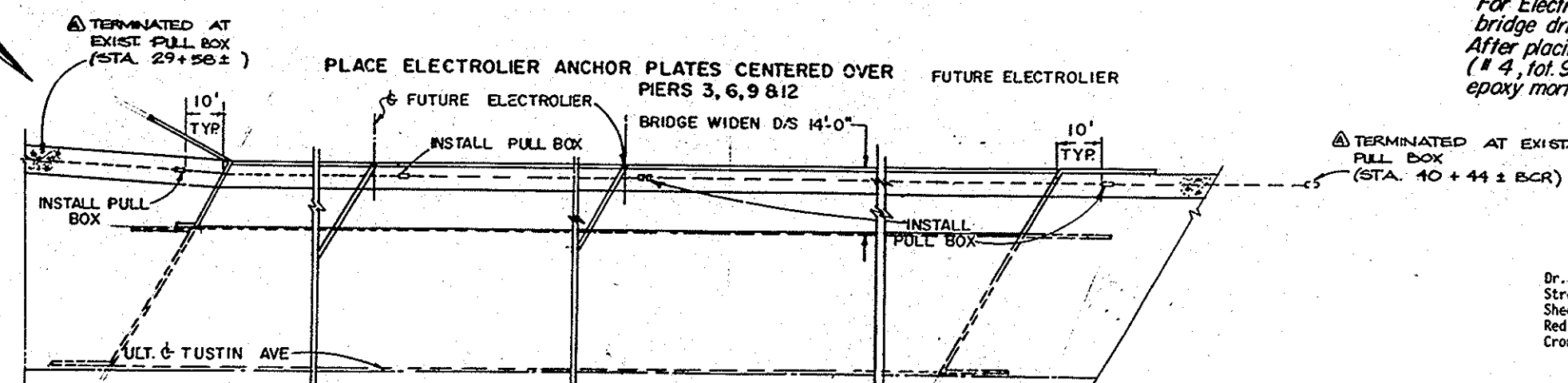
PLAN



ELEVATION

ELECTROLIER

NOTE: For Electrolier on existing bridge drill 1-inch holes (tot. 9). After placing reinforcement (#4, tot. 9) fill holes with epoxy mortar.



DETAIL I
CONDUIT TERMINATION DS

NOTE: SCHEMATIC ONLY
NO CURVE SHOWN

Dr. 3 12952
Street Improvements
Sheet 27 of 35
Rev 24:1
Cronaflex

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY	
TUSTIN AVE. BRIDGE SA-7A AT SANTA ANA RIVER	
ELECTRICAL DETAILS	
DATE	DESCRIPTION
DESIGNED	REVISIONS
DRAWN	SCALE
DATE	DWG. NO.
27	35