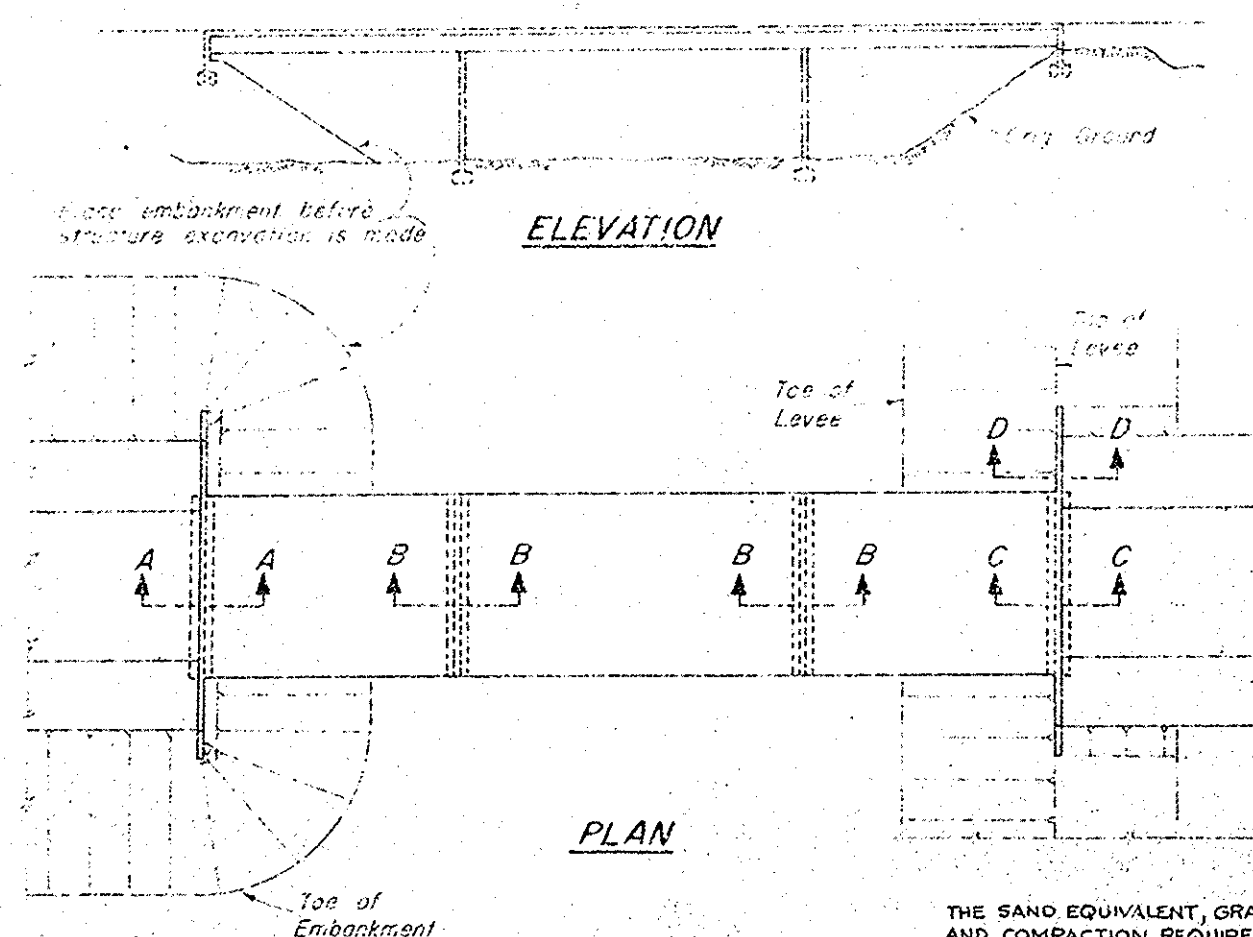
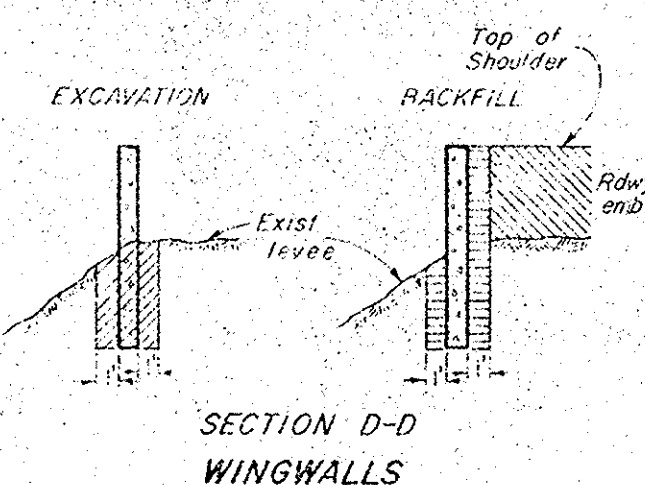
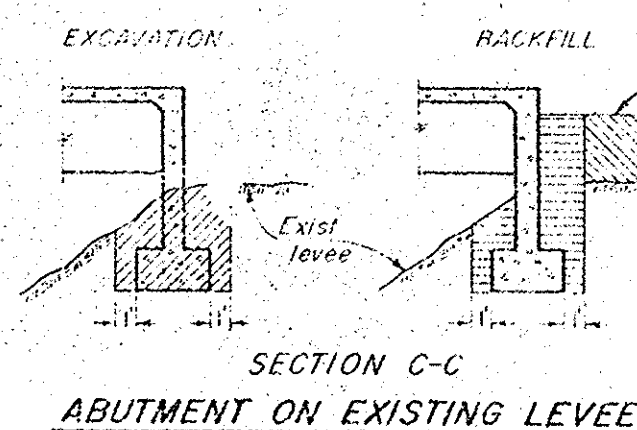
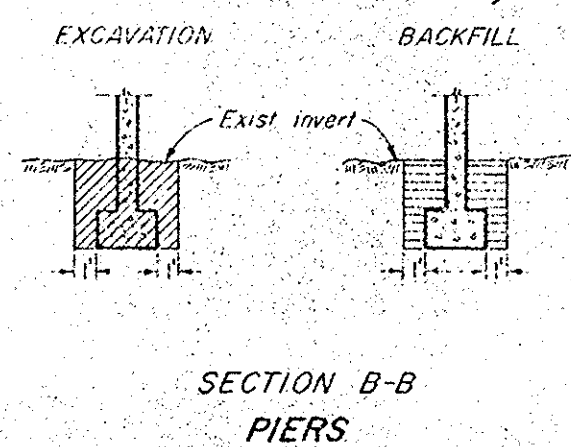
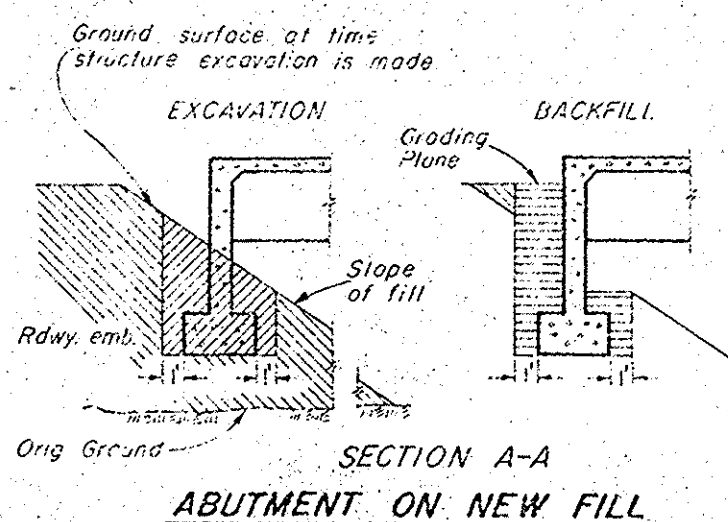


EXACT®

STRAIGHT EDGE RULE SE-48



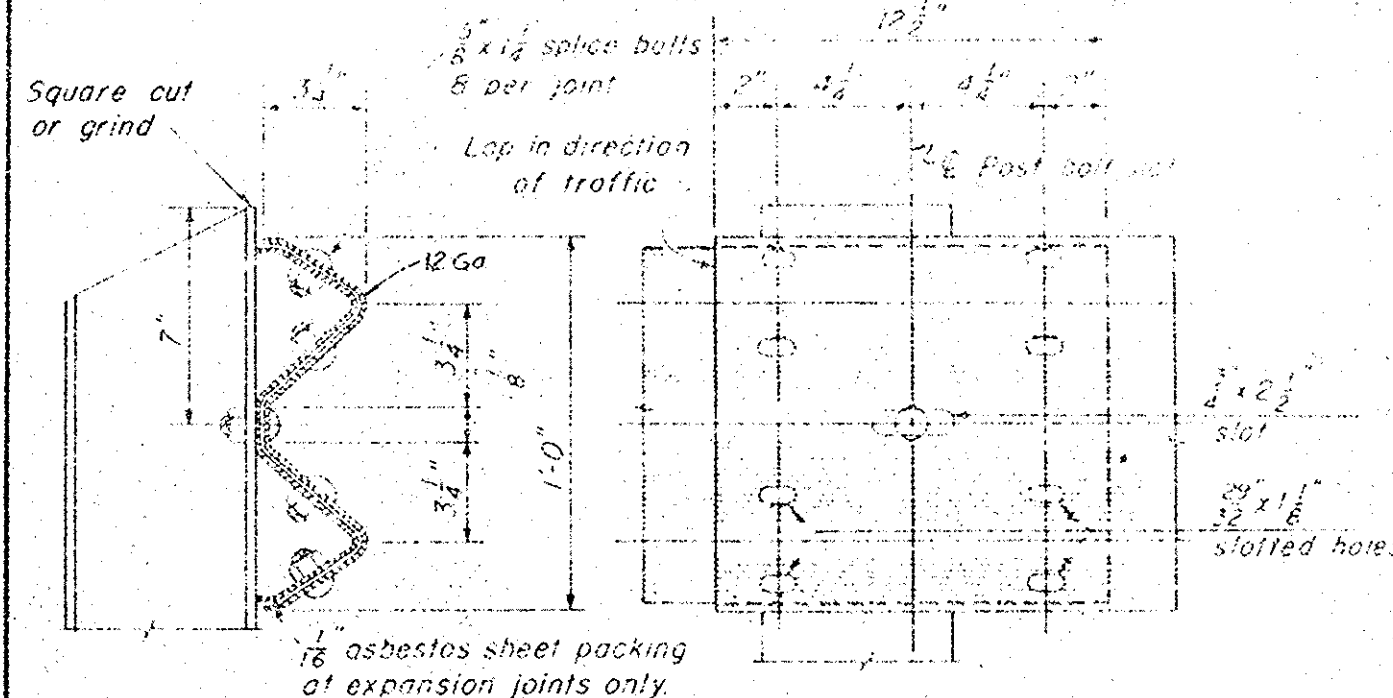
THE SAND EQUIVALENT, GRADING AND COMPACTION REQUIREMENTS OF THE STANDARD SPECIFICATIONS WILL BE WAIVED FOR THE MATERIAL USED AS STRUCTURE BACKFILL ABOVE THE ROCK SLOPE PROTECTION PIERS #3 THRU #18. (SEE SHT. #10 FOR DETAIL AT PIER #3)



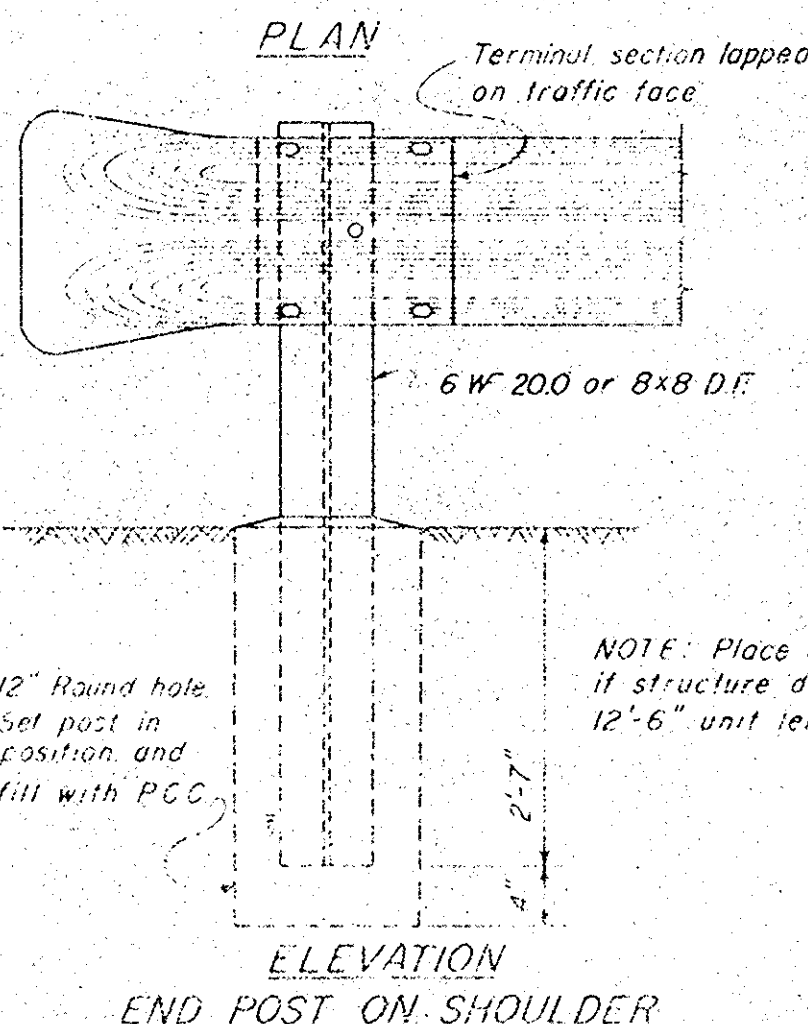
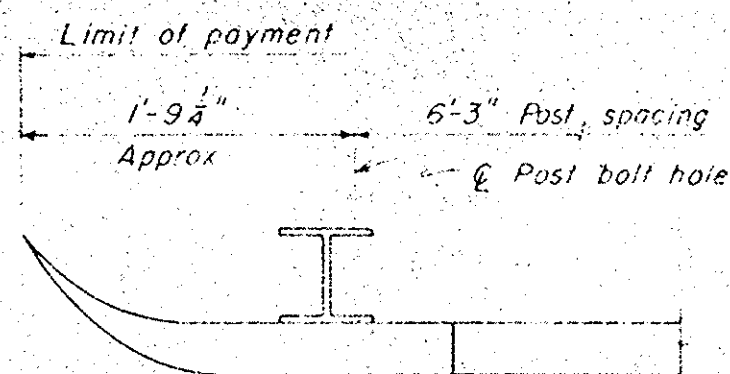
LEGEND

- STRUCTURE EXCAVATION
- STRUCTURE BACKFILL
- ROADWAY EMBANKMENT

STRUCTURE EXCAVATION & BACKFILL DETAILS



RAIL SPLICE
Scale 3"=1'-0"

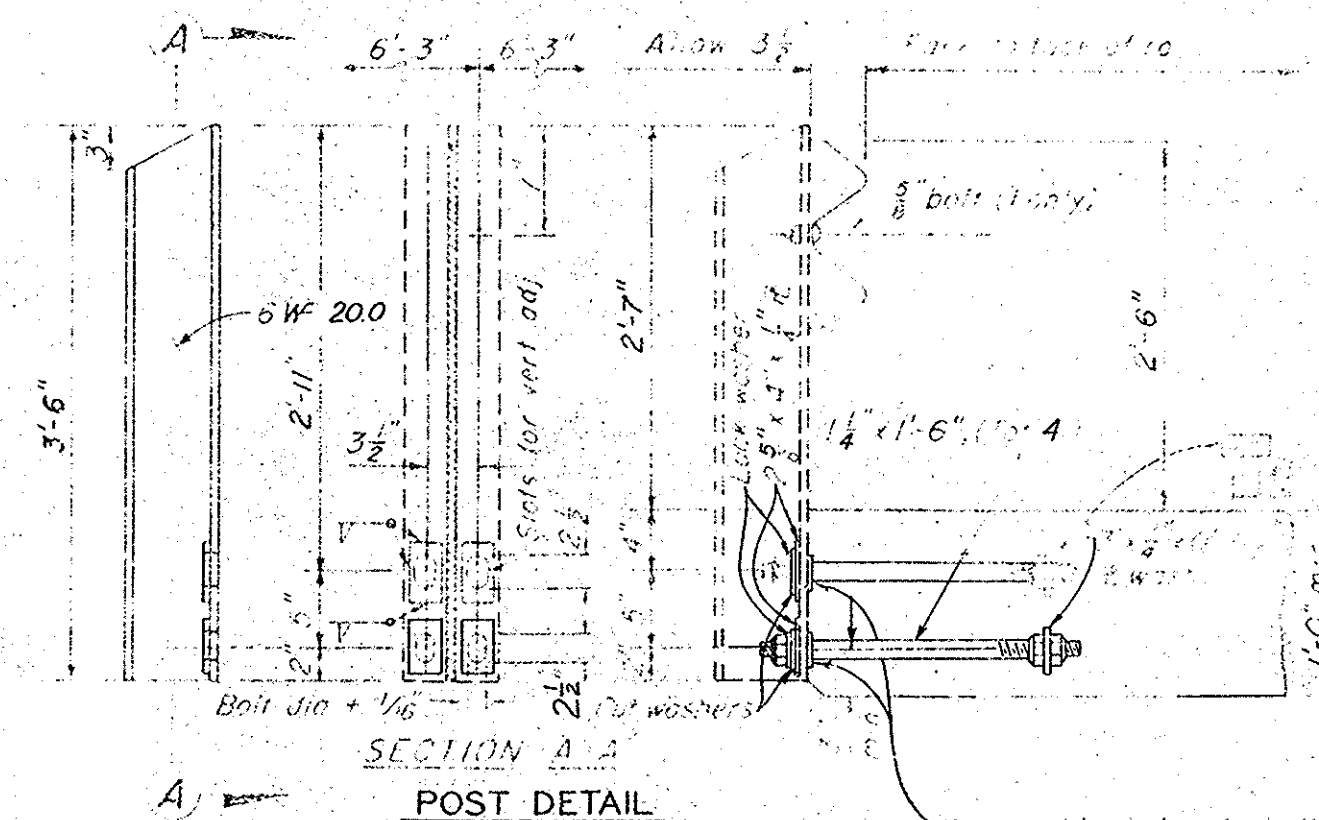


NOTE: Place end post on shoulder if structure does not accommodate 12'-6" unit length

Notes

At rail splice nearest expansion joint in bridge deck, cut back section of rail to allow same amount of travel as in adjacent deck. Place 1/8" asbestos sheet packing between rails at joint to provide sliding fit and cut through.

Use 3/8" posts wherever possible. At rail splice, use 1/2" posts. Provide lock washers for top anchor rods and 1/2" lock washers for 1/2" anchor rods. Do not use 1/2" anchor rods. Space posts to allow expansion joints by 1/2" to 1" post. Post and anchors to be galvanized after fabrication. Retaining walls to be placed after walls are backfilled. Posts are secondary to maintain minimum clearance in superstructure.



RELOCATED GUARD RAIL ANCHORAGE DETAIL

ANCHOR BOLTS FOR 153 POSTS REQ'D.
TOT. 6 NEW POSTS REQ'D.

METAL BEAM GUARD RAIL DETAILS

OSAGE COUNTY ROAD DEPARTMENT
GLASSELL ST. BRIDGE
ACROSS
SANTA ANA RIVER
EARTHWORK AND RAILS DETAILS
AS SHOWN
SHEET 14 OF 15

DR 7 (103)