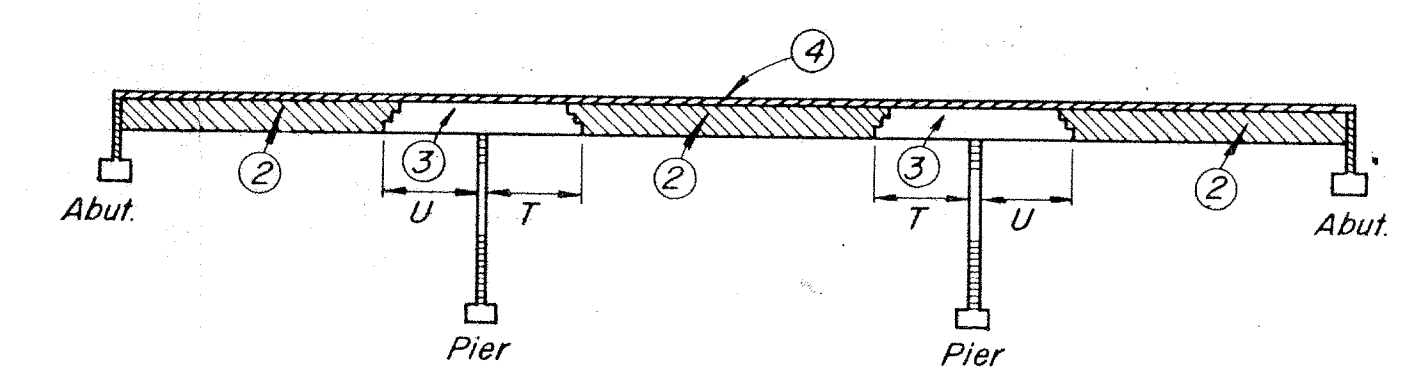
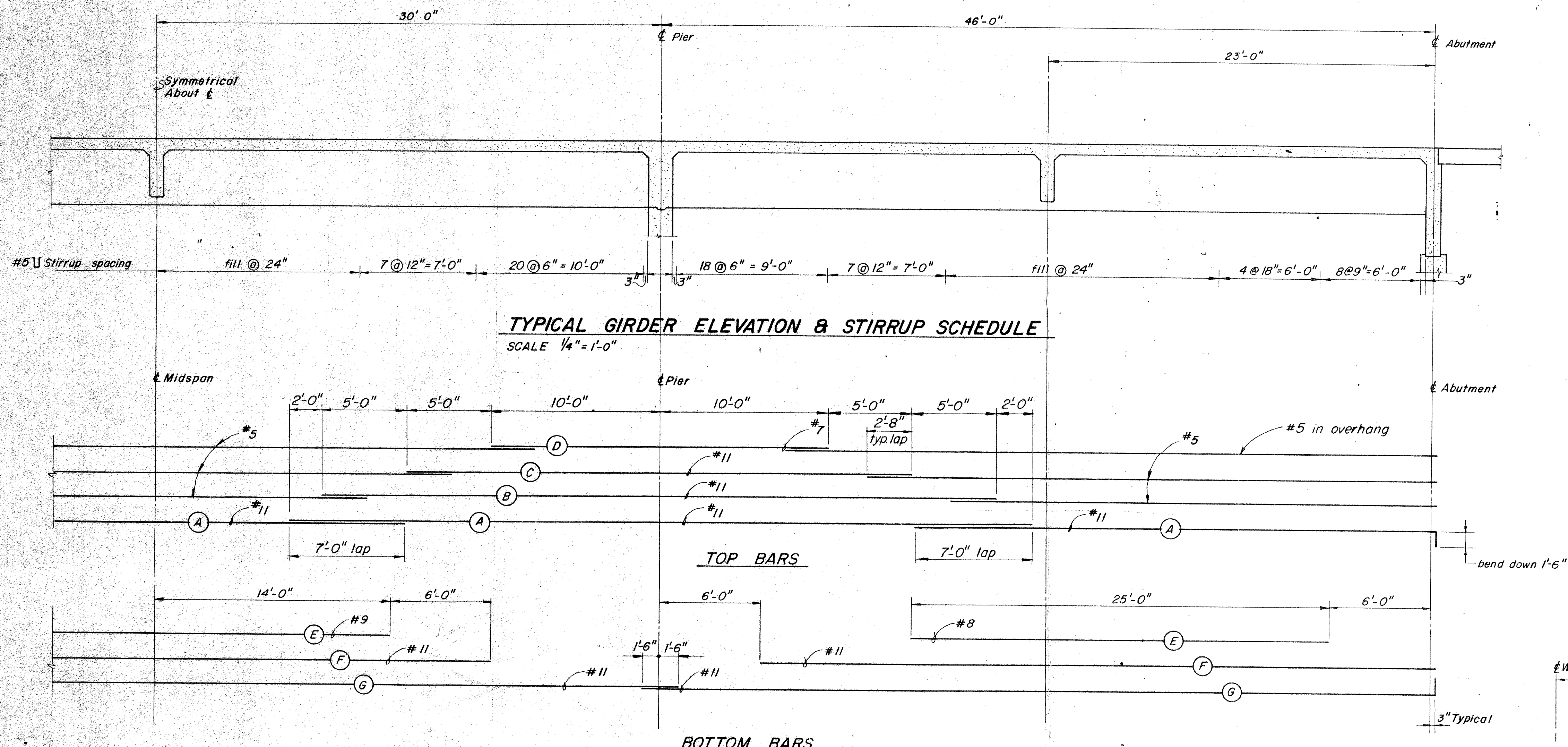




**TEE BEAM SUPERSTRUCTURE
PLACING DIAGRAM**

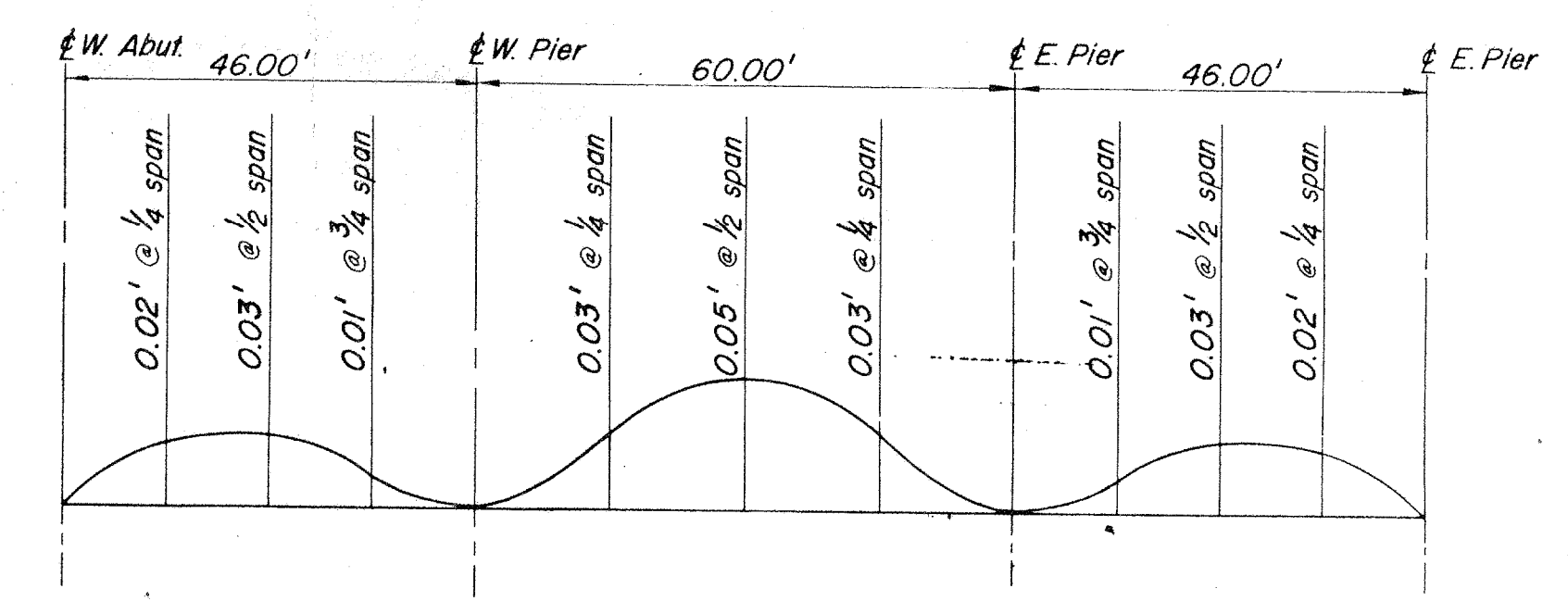
Numbers (2) and (3) indicate sequence of placing girder stem concrete. (3) may be placed simultaneously with (2) when approved by the Engineer, and provided that the (2) sections are placed in both adjoining spans.
Top slab concrete (4) shall be placed separately from (2) and (3). (4) may be placed continuously or in parts as approved by the Engineer.

$T = \frac{1}{5}$ span length

$U = \frac{1}{4}$ span length

For any deviation from the above the contractor shall submit a diagram to the Engineer for approval.

TYPICAL GIRDER REINFORCEMENT SCHEDULE

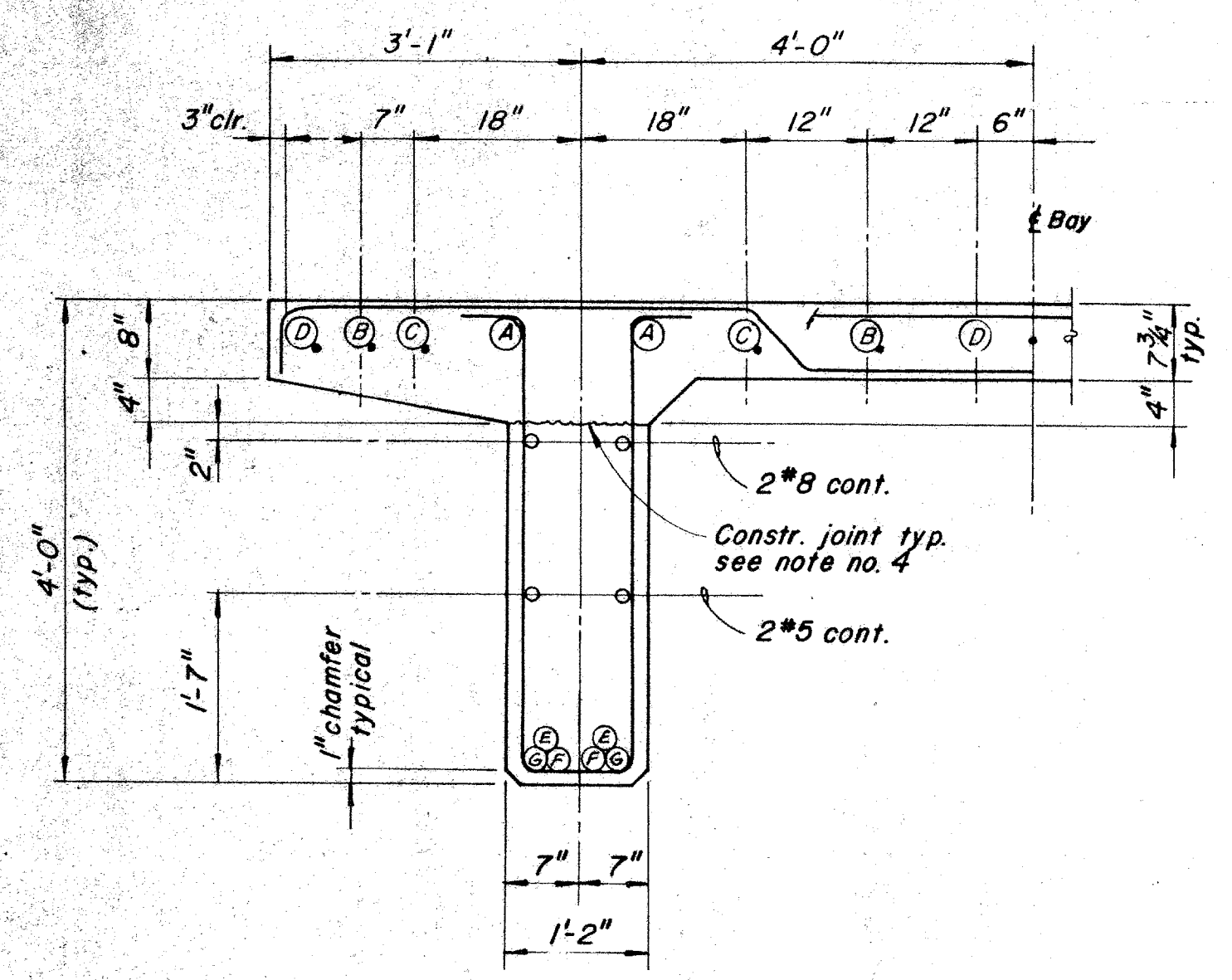


DEAD LOAD CAMBER DIAGRAM

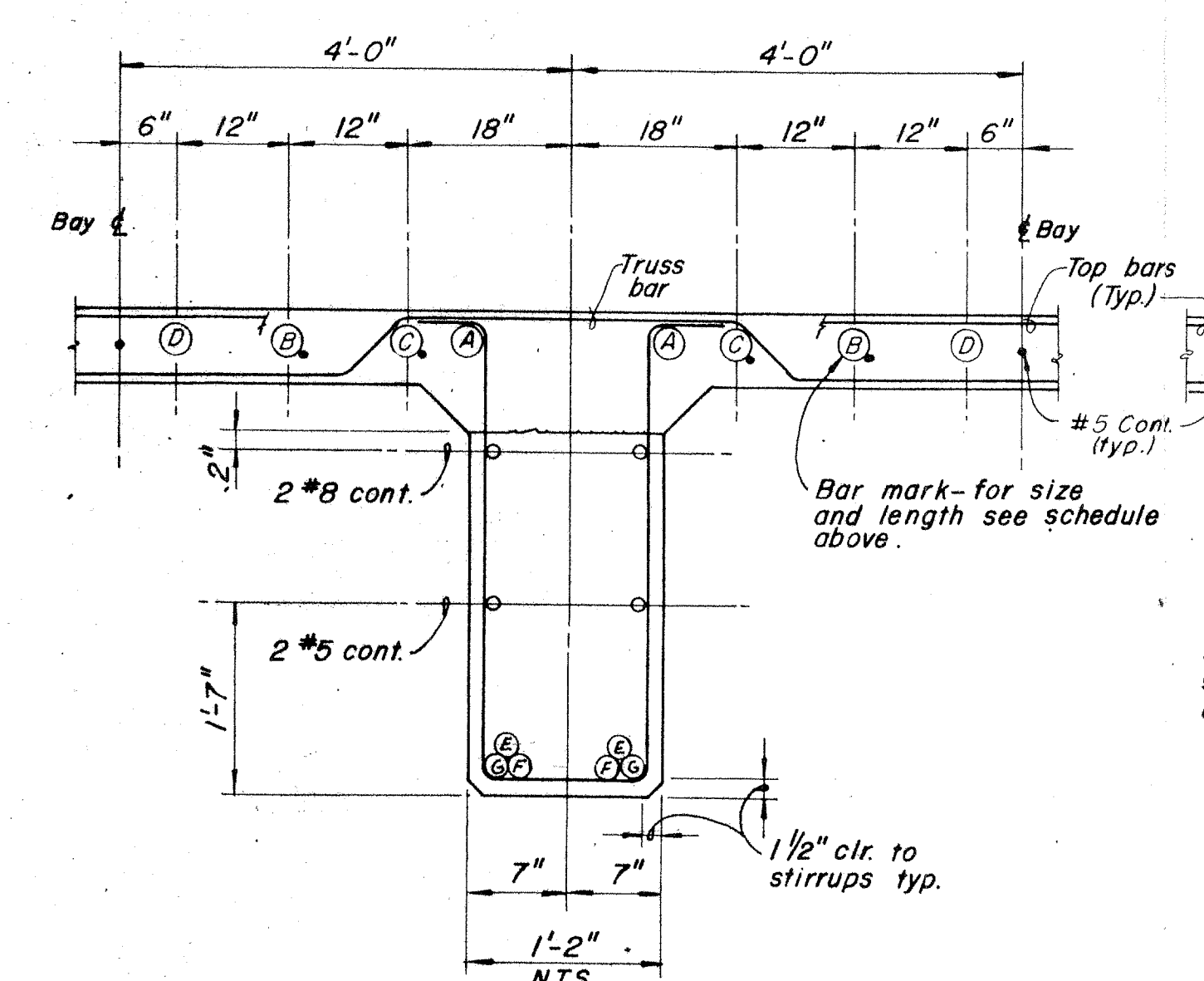
NOTE: The total deflection will be reached about four years after falsework removal. For values at time of falsework removal, divide those by four. Amount of camber for construction will be determined by the engineer.

NOTES:

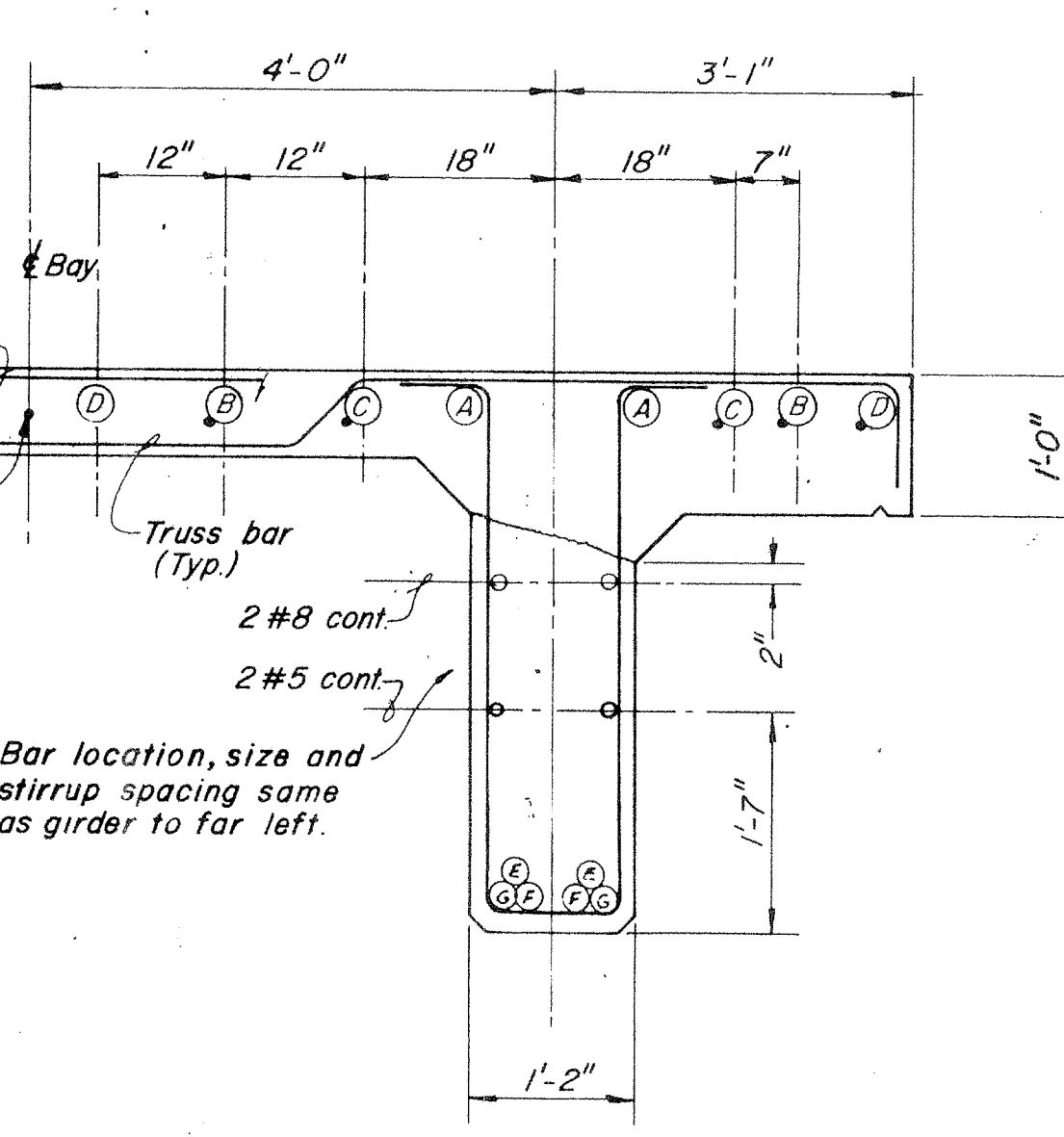
1. All main girder reinforcing shall be no. 11 bars, except as noted.
2. For additional reinforcing in slab over intermediate diaphragms, see sheet no. 9.
3. Girder reinforcement shown above shall be placed as shown in the placing diagrams.
4. Construction joints must be per plan, at bottom of fillet and floated to grade.



NORTH EXTERIOR GIRDER



TYP. INTERIOR GIRDER

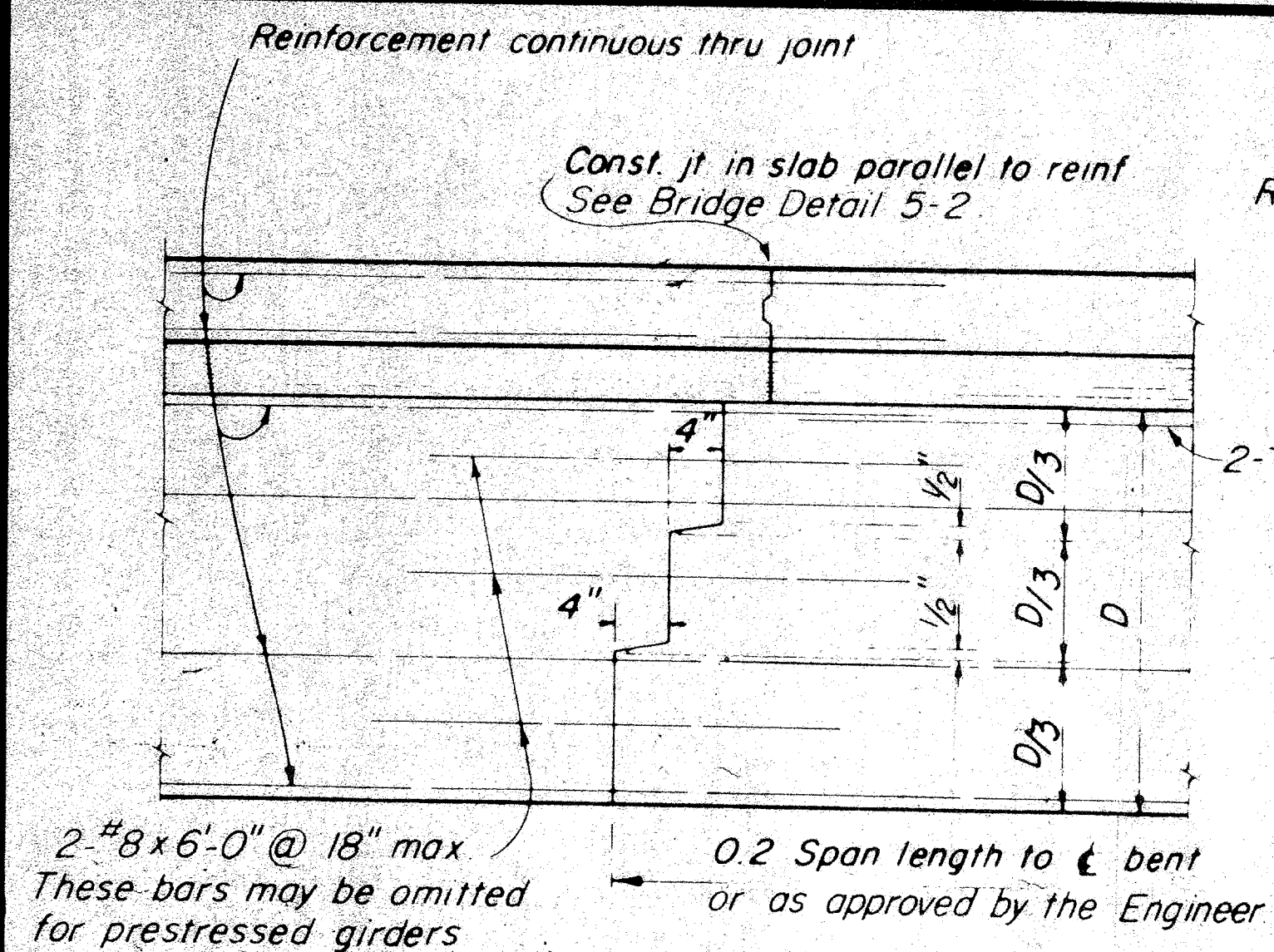


SOUTH EXTERIOR GIRDER

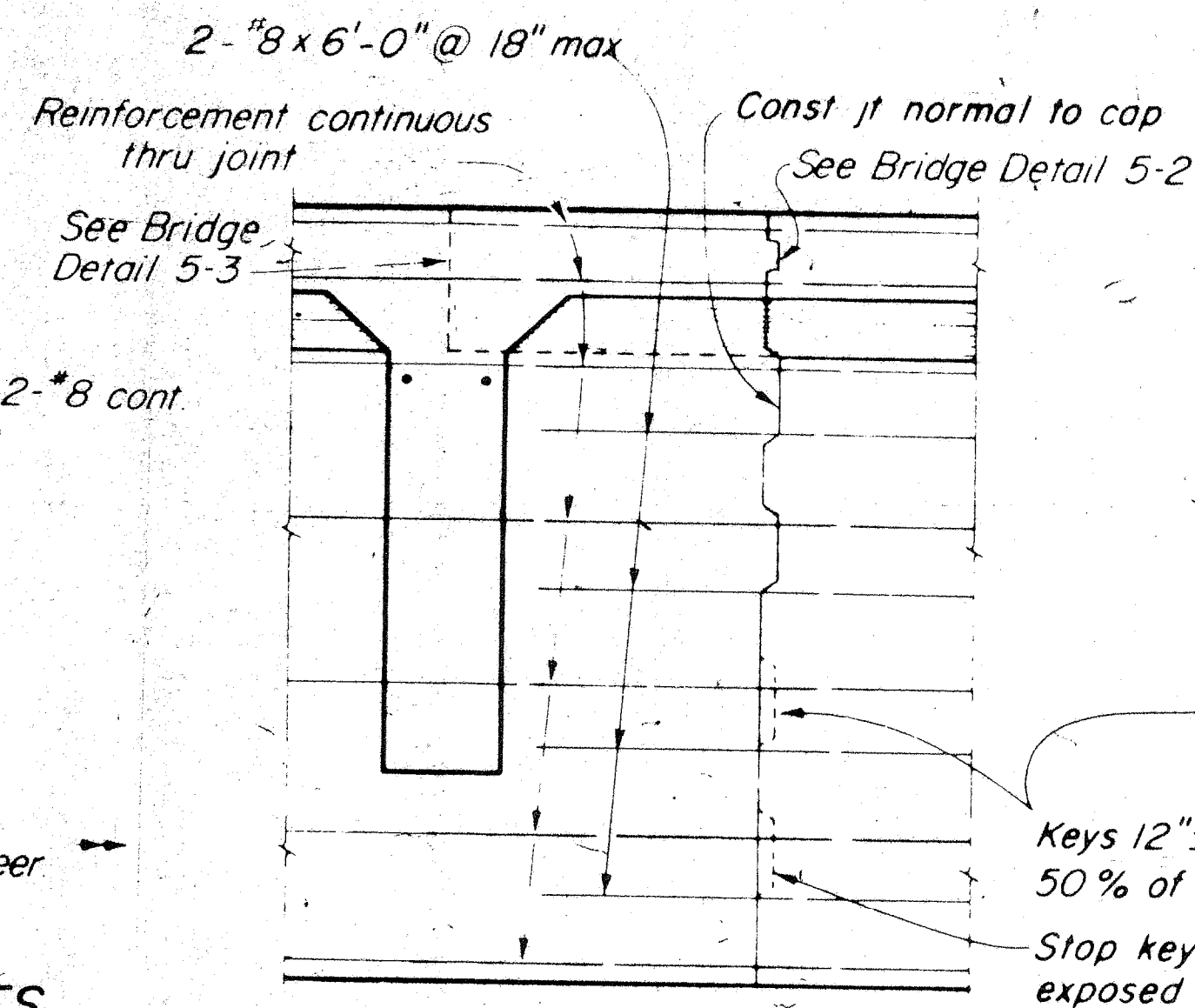
REINFORCEMENT PLACING DIAGRAMS

SCALE - NONE

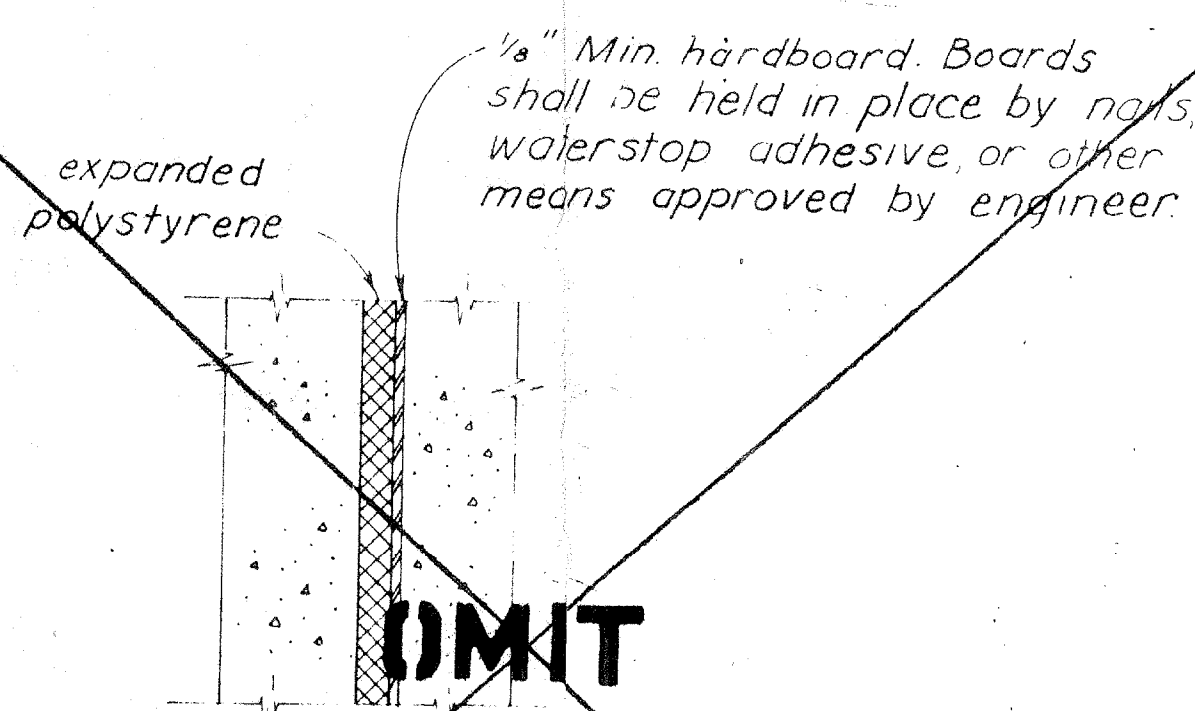
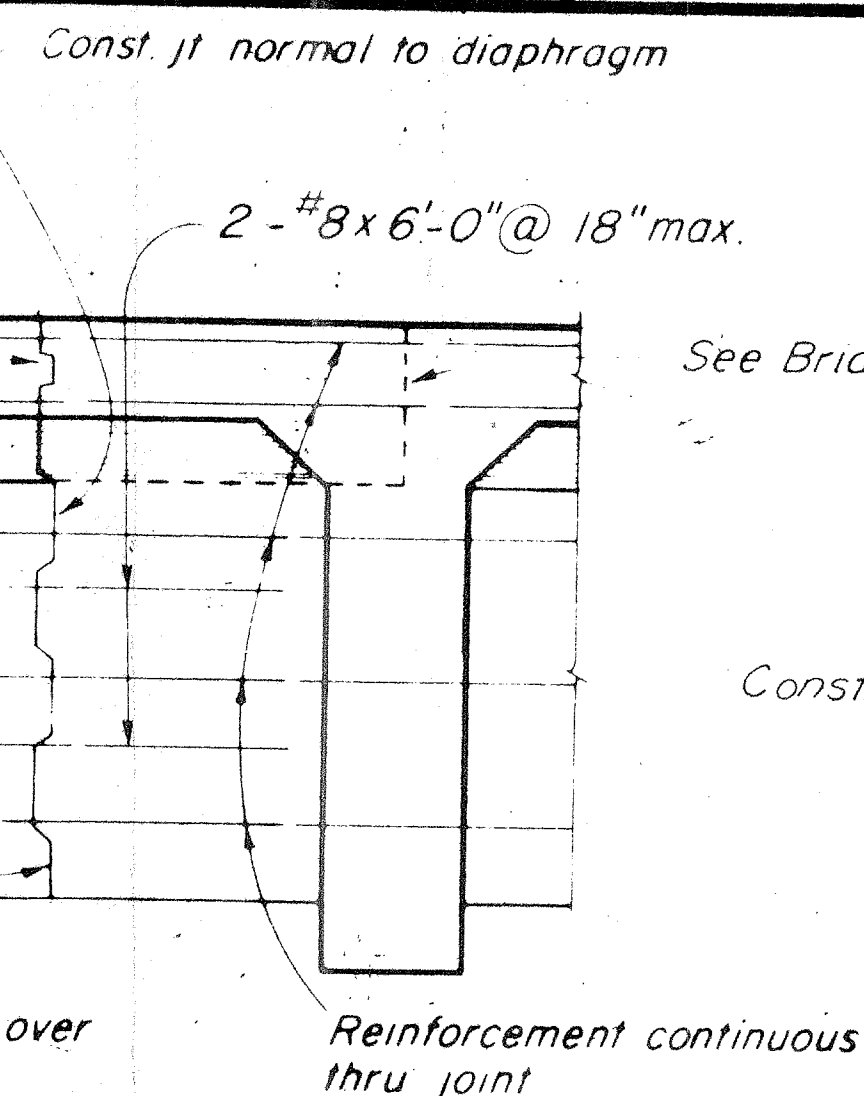
PLANS PREPARED BY: VTU CONSOLIDATED, INC. ENGINEERS ARCHITECTS PLANNERS 2301 CAMPUS DRIVE (714) 833-2450 IRVINE, CALIFORNIA 92614		ORANGE COUNTY ROAD DEPARTMENT DEL OBISPO STREET BRIDGE WIDENING OVER TRABUCO CREEK	
PROJECT MANAGER: M.Z. Foroutan DESIGNED BY: M.Z.F. DRAWN BY: J.Mine/K.Landers CHK. BY: D.T.L. APPROVED: [Signature] RES. NO. 21328 DATE: 1/19/75 JOB NO. 238-43		GIRDERS AND DETAILS scale: sheet 8 of 13	



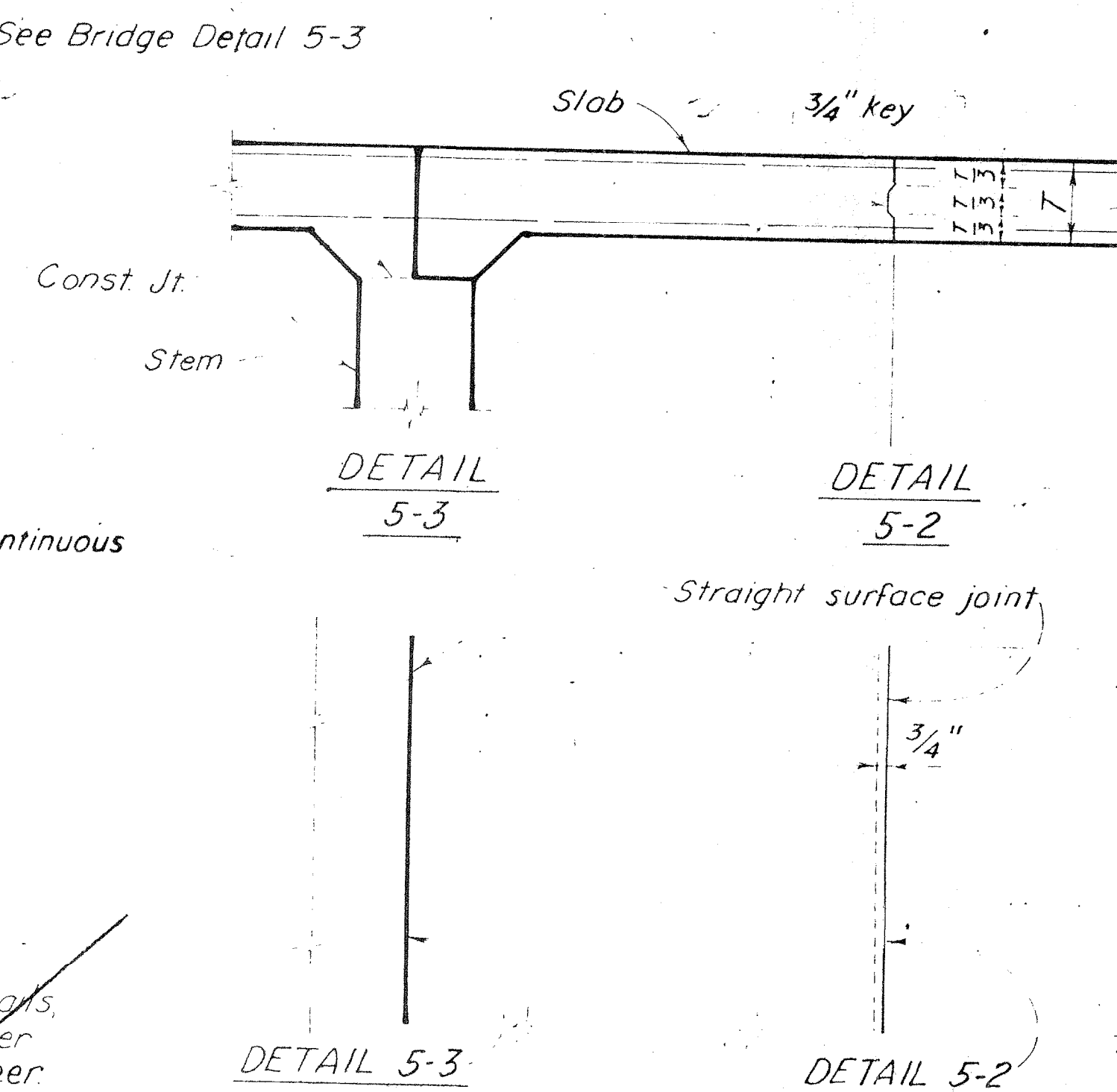
TRANSVERSE GIRDER CONSTRUCTION JOINTS
DETAIL J-3



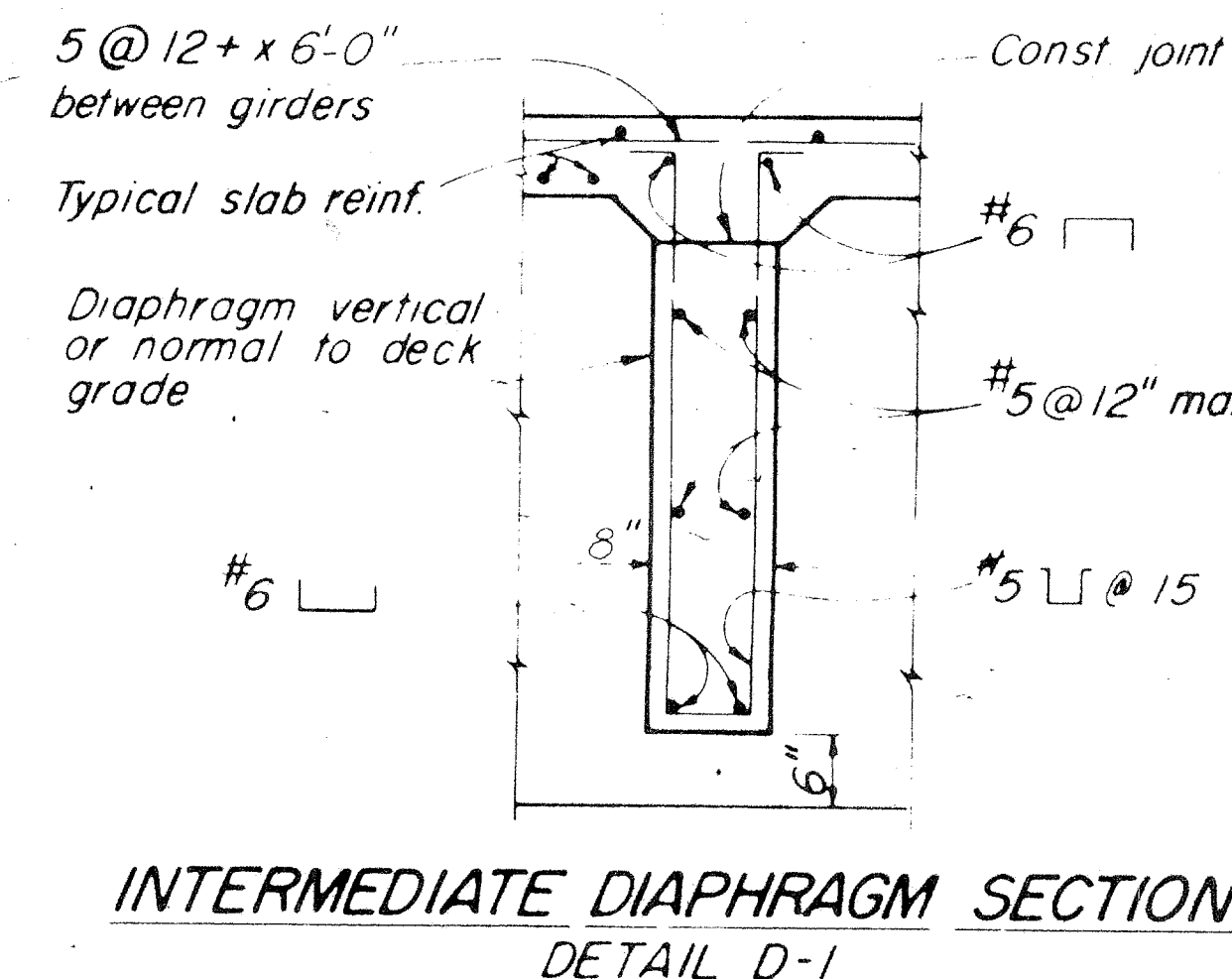
BENT CAP LONGITUDINAL CONSTRUCTION JOINTS
DETAIL J-4



PROTECTION OF VERTICAL POLYSTYRENE
BRIDGE DETAIL 13-2

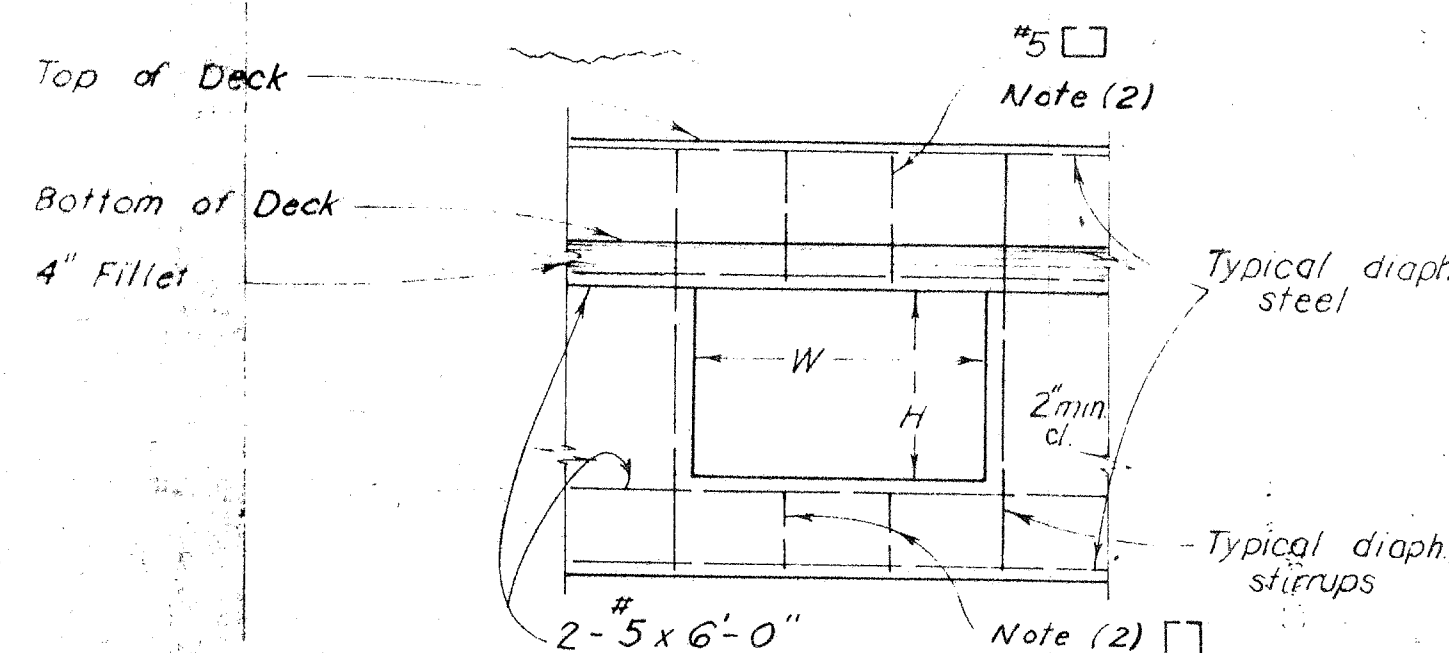


DECK SLAB LONGITUDINAL CONSTRUCTION JOINTS
Note: Longitudinal construction joints in slab, if required, are to be located at edge of traffic lanes except as approved by the Engineer.

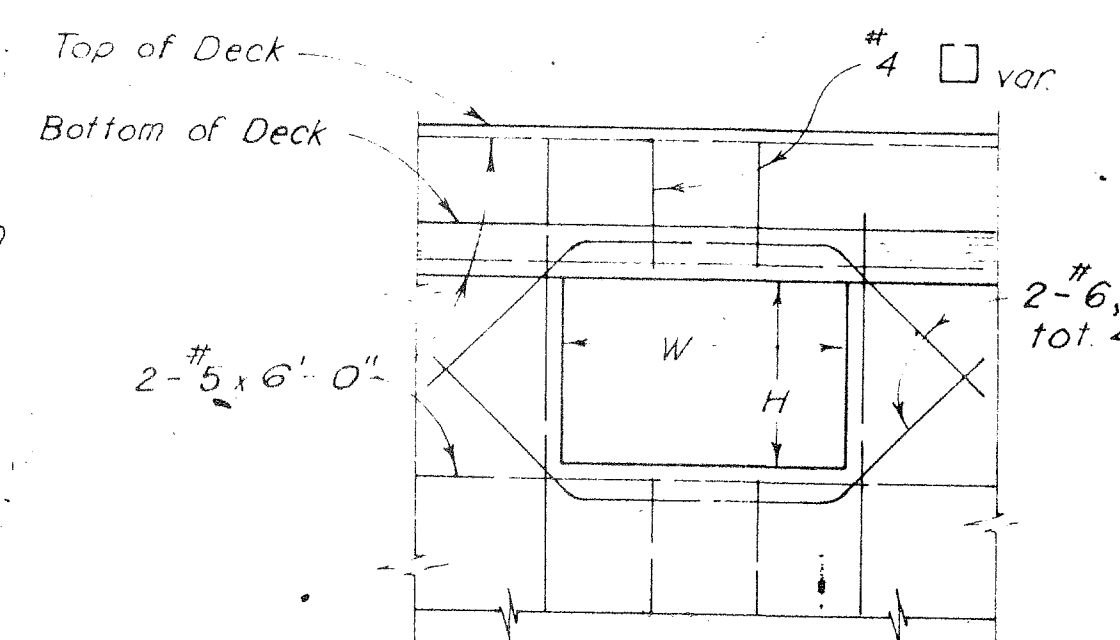


NOTES

- (1) All reinforcement detailed to be placed in addition to reinforcement shown on other sheets.
- (2) Stirrups are same size as adjacent stirrups shown on other sheets.



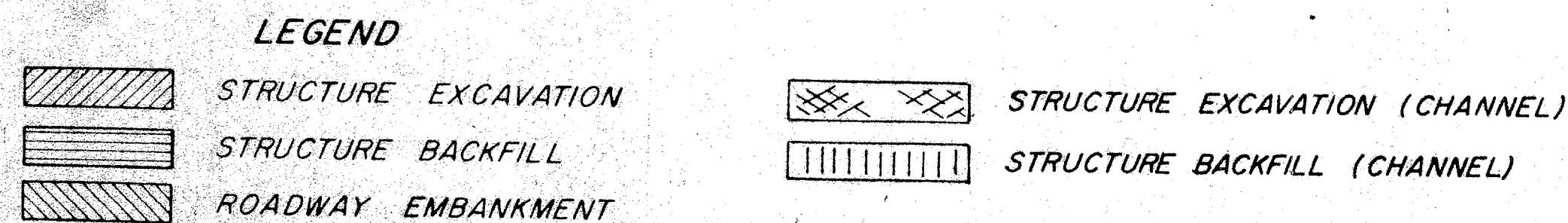
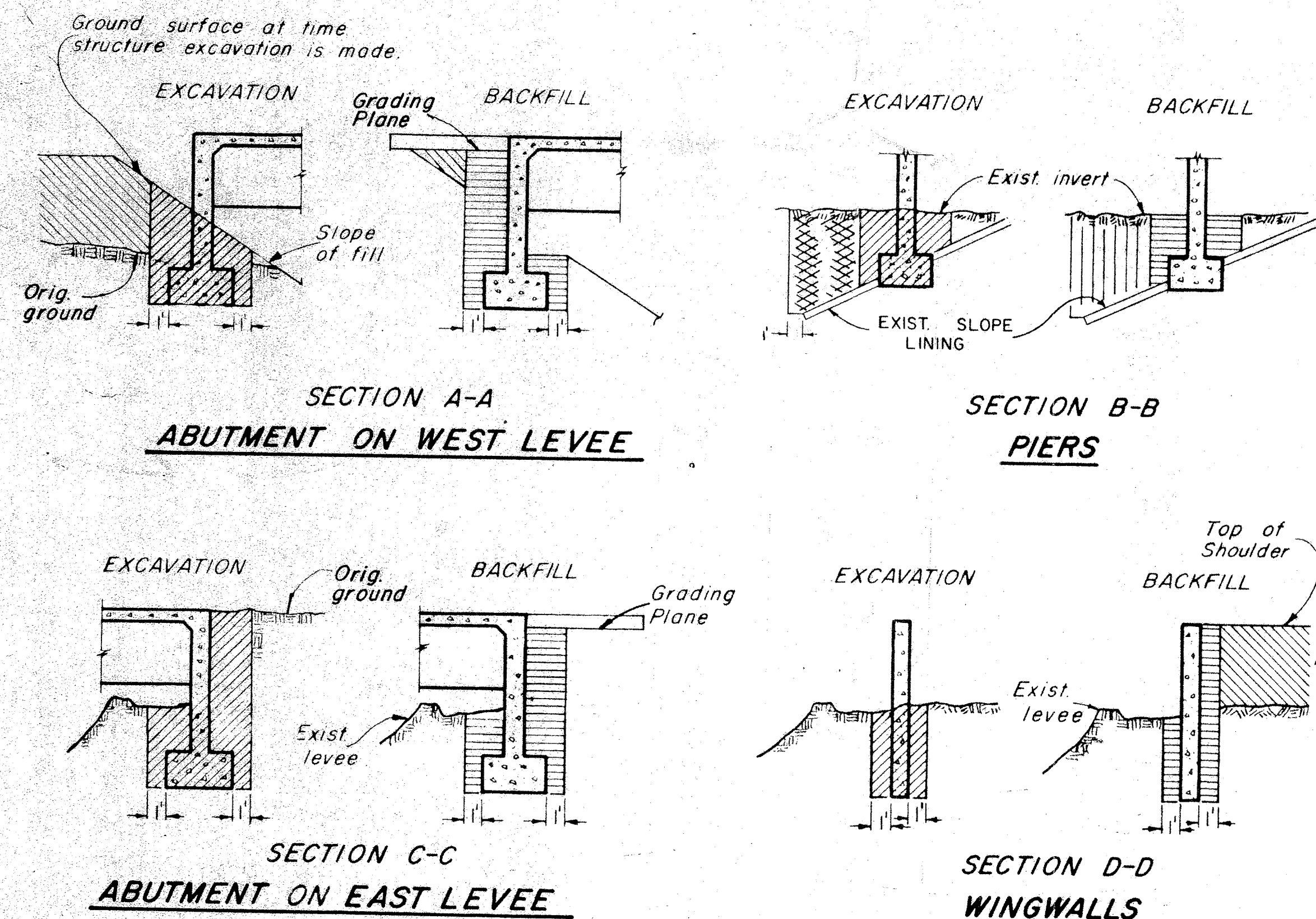
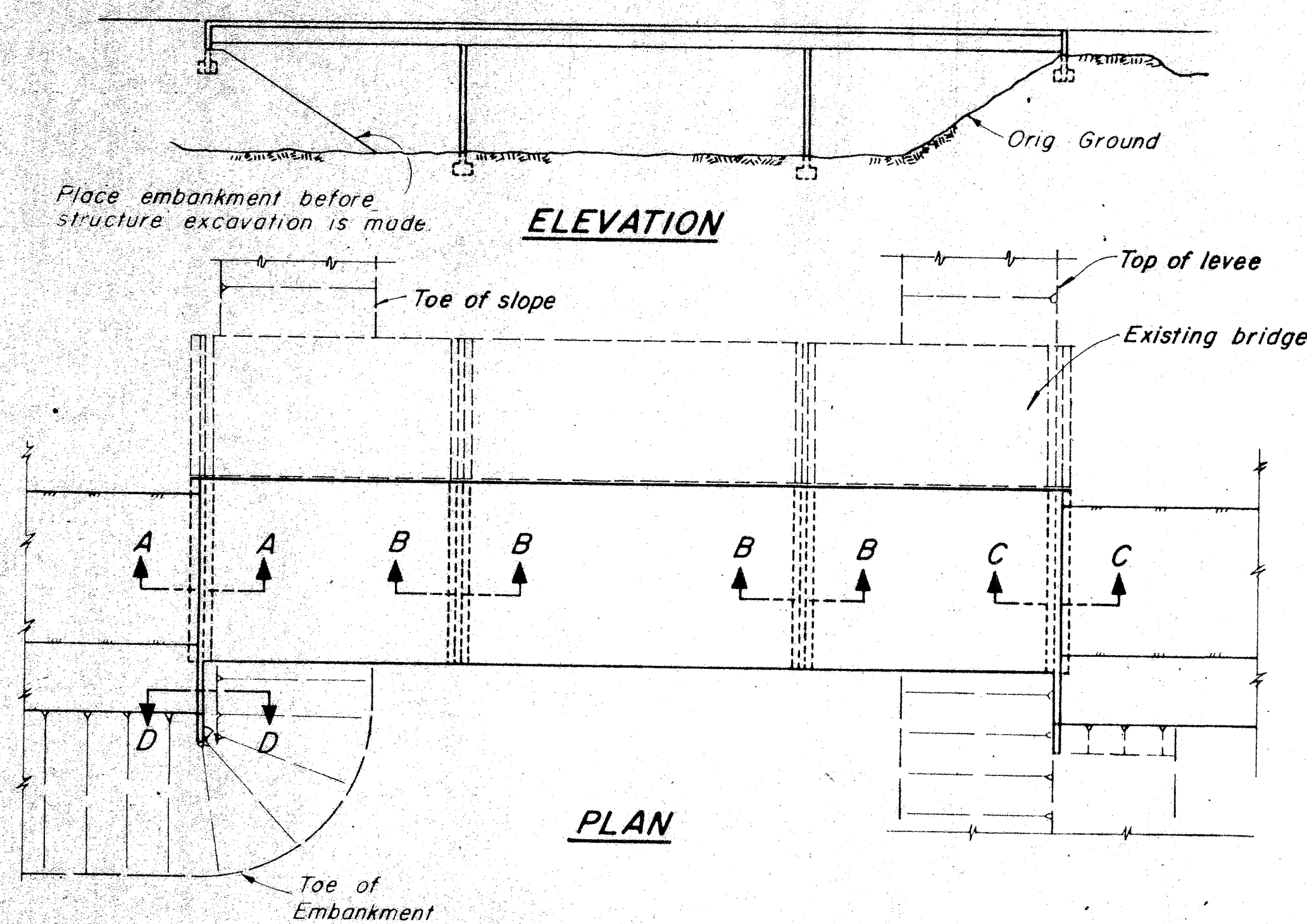
DIAPHRAGM



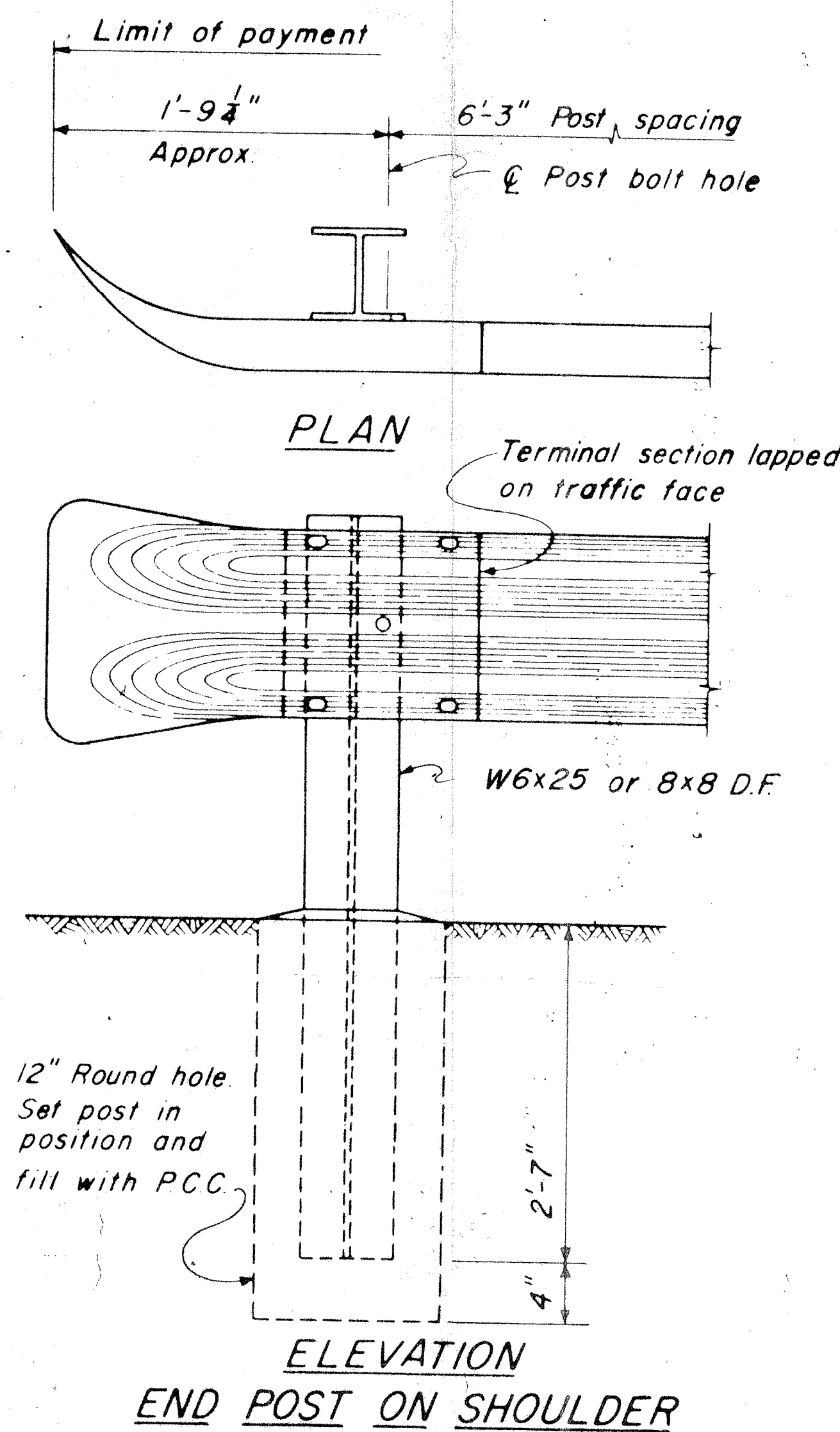
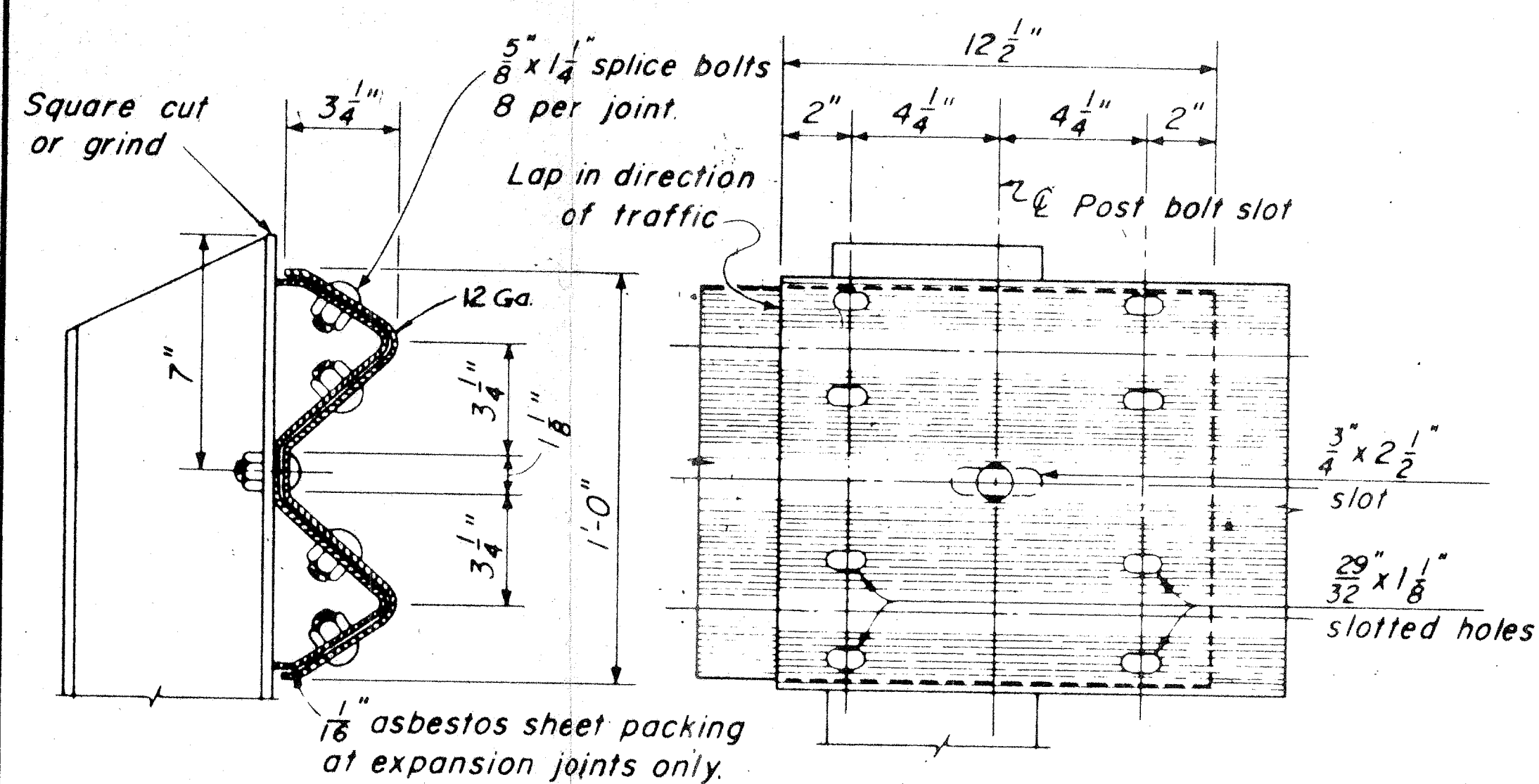
PIERS & ABUTMENTS

UTILITY OPENING DETAILS

ORANGE COUNTY ROAD DEPARTMENT	
DEL OBISPO STREET BRIDGE WIDENING OVER TRABUCO CREEK	
MISCELLANEOUS DETAILS TEE BEAM	
DATE: 10/10/00 DRAWN: [Signature] CHECKED: [Signature] APPROVED: [Signature]	SCALE: NO SCALE SHEET 9 OF 13



STRUCTURE EXCAVATION &
BACKFILL DETAILS



Notes:

At rail splice nearest expansion joint in bridge deck, slot holes in movable section of rail to allow same amount of movement as is provided in bridge deck. Place $\frac{1}{16}$ " asbestos sheet packing between rail elements. Adjust bolts to provide sliding fit and set threads.

Posts shall be vertical. Contractor to provide galvanized metal shims to align posts. Galvanize rail assembly after fabrication. Space posts to provide 1'-6" min. clear between expansion joints and $\frac{1}{2}$ " of post. Railing on bridge wingwalls to be placed after walls are backfilled. Stud bolt nuts shall be torqued to 175 ft.-lbs. Anchor bolt nuts shall be wrench tight.

