

INDEX OF SHEETS

SHEET NO. 1	TITLE SHEET
" 2	GENERAL PLAN
" 3	FOUNDATION PLAN
" 4	ABUTMENT DETAILS
" 5	PIER DETAILS
" 6	GIRDER LAYOUT & LONGITUDINAL - TOP REINFORCEMENT
" 7	GIRDER REINFORCEMENT
" 8	TYPICAL SECTION & DECK REINFORCEMENT
" 9 & 10	MISCELLANEOUS DETAILS
" 11	LOG OF TEST BORINGS
" 12	STRUCTURE EXCAV & BACKFILL
" 13	PILE DETAIL

DIVISION OF HIGHWAYS
COUNTY OF ORANGE

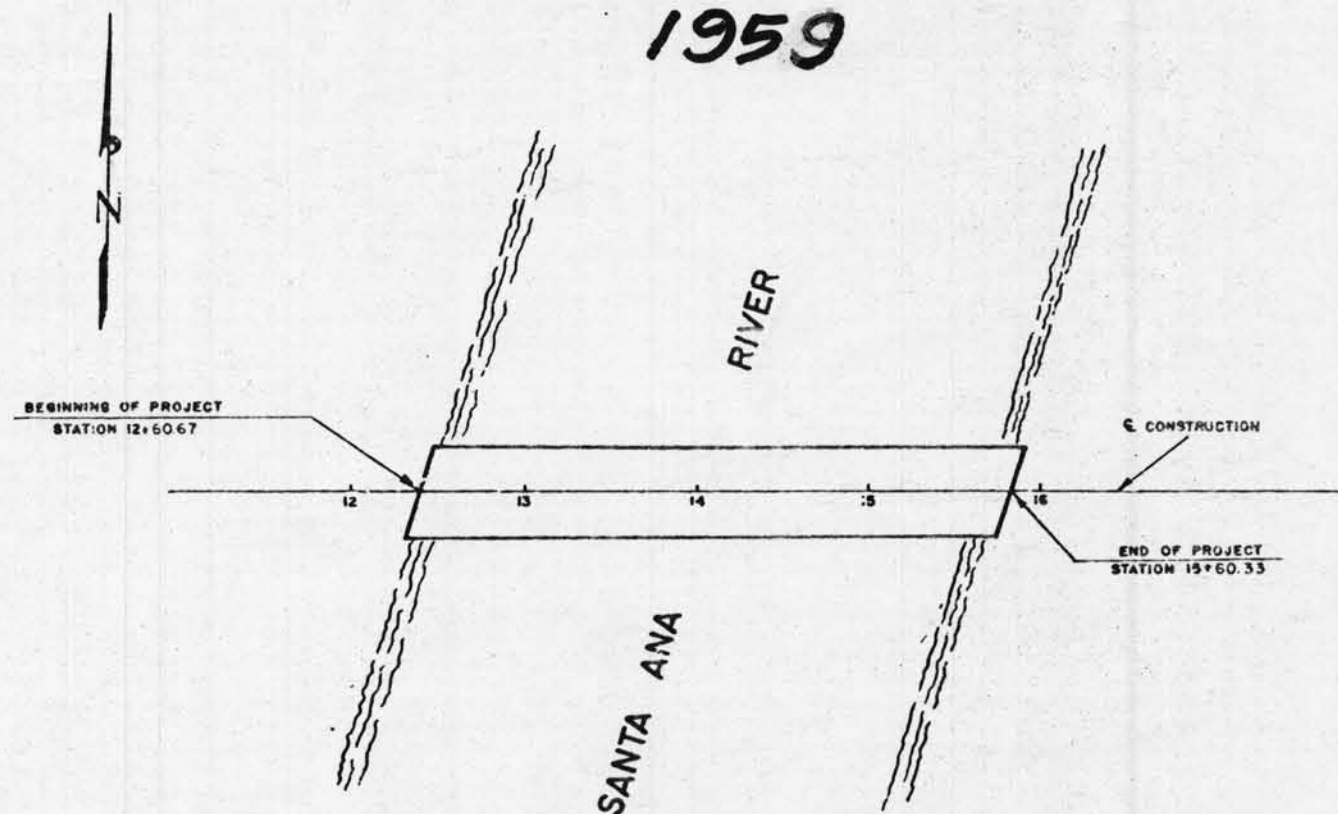
PLAN

EDINGER ST. BRIDGE

ACROSS SANTA ANA RIVER (CHANNEL E-1) SA-27
FROM STATION 12+60.67 TO STATION 15+60.33

TOTAL LENGTH 0.057 MILES

1959



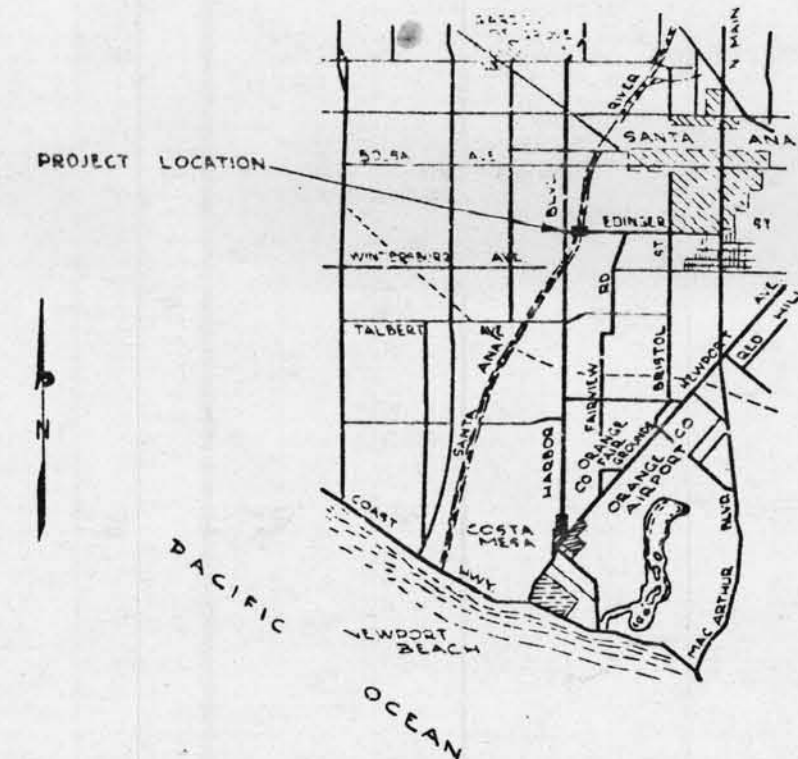
LAYOUT

PLAN



CONVENTIONAL SIGNS

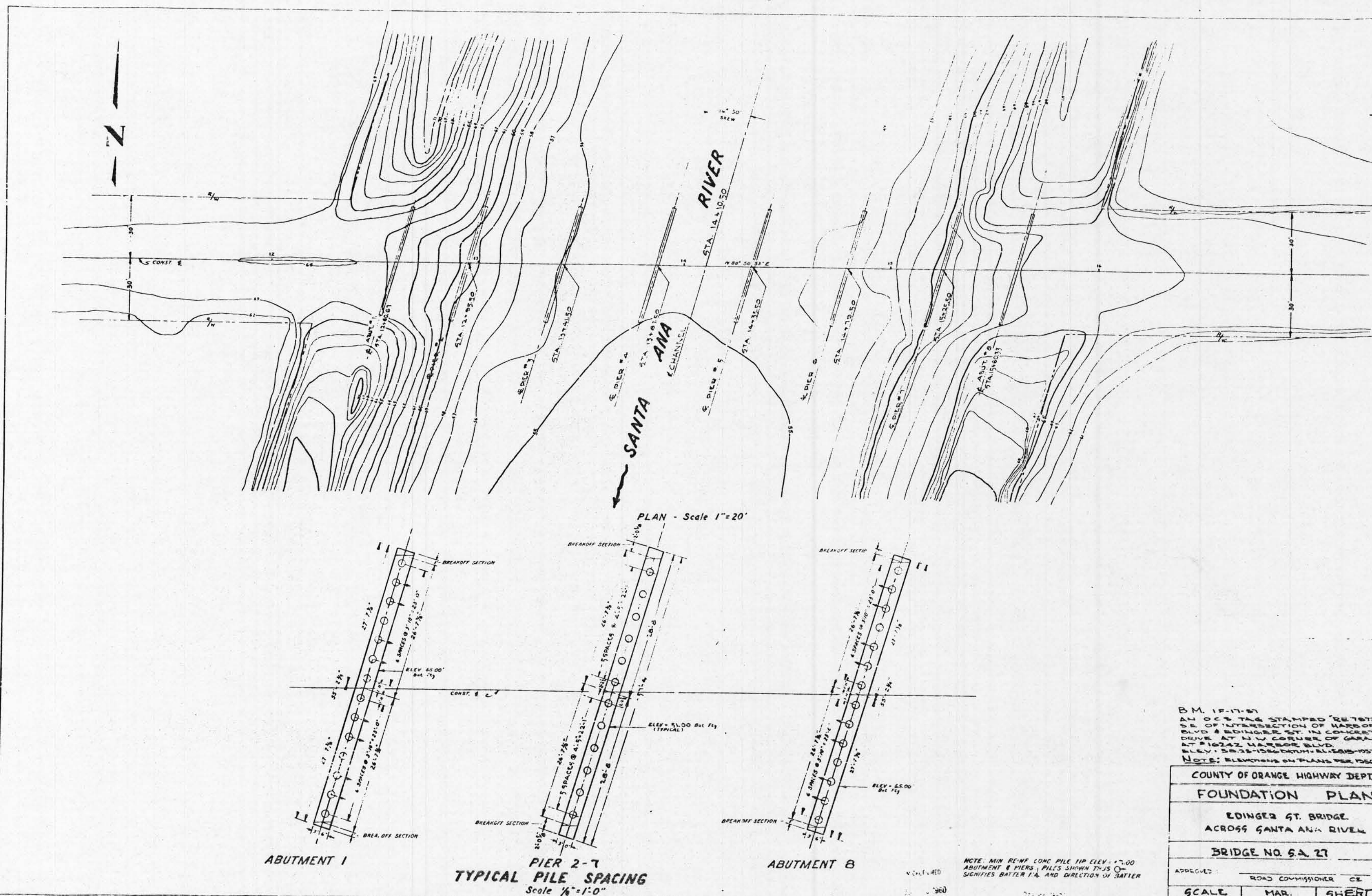
COUNTY LINE	BANK-RETAINING WALL
CITY-TOWN LIMITS	LEVEE
TOWNSHIP LINE	WATER
SECTION LINE	DROP INLETS
RAIL LINE	WOLLEY POLE
FENCE	POWER POLE
GUARD RAIL	POWER TOWER
UNFENCED PROPERTY	TELEGRAPH POLE
R/W LINE	TELEPHONE POLE
BASE OR SURVEY LINE	MARSH
TRAVELLED WAY	
RAILROAD TRACKS	



COUNTY OF ORANGE
ROAD COMMISSIONER
CIVIL ENGINEER LICENSE NO. 7872

FLOOD CONTROL ENGINEER
CIVIL ENGINEER LICENSE NO. 7188

14641 1959
EDINGER AVE. BR.
OVER SAR
SA-27
55C-154
Thomas : 828-J6



B.M. 12-17-57
AN O.C. & TAG STAMPED "22-7071
SE. OF INTERSECTION OF HARBOR
BLVD. & EDINGER ST. IN CONCRETE
DRIVE AT N.W. CORNER OF GARAGE
AT 16242 HARBOR BLVD.
ELEV. 58.25-1562.00-1562.00-1562.00
NOTE: ELEVATIONS ON PLANS PER 1956

COUNTY OF ORANGE HIGHWAY DEPT.

FOUNDATION PLAN

EDINGER ST. BRIDGE
ACROSS SANTA ANA RIVER

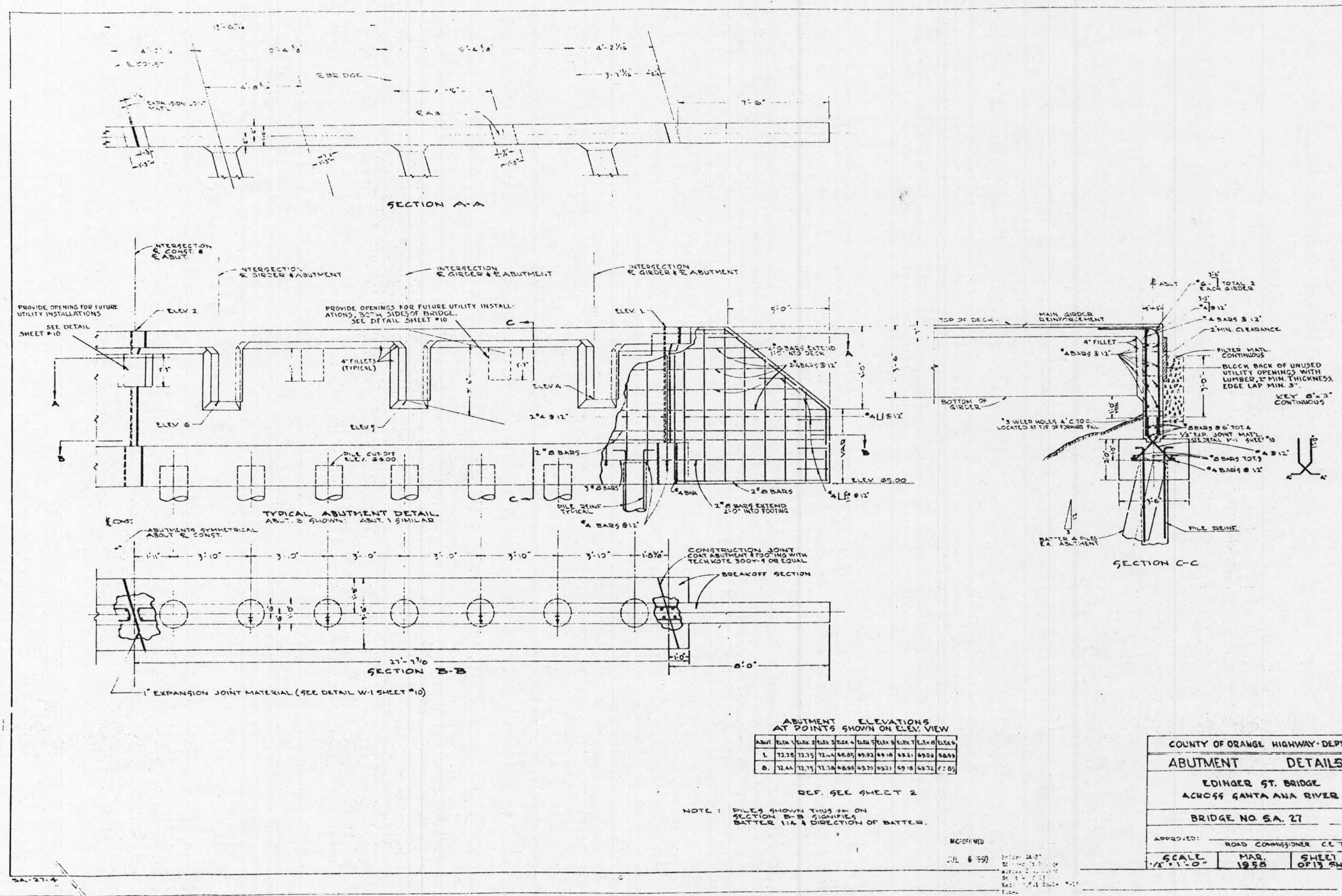
BRIDGE NO. 5-A-27

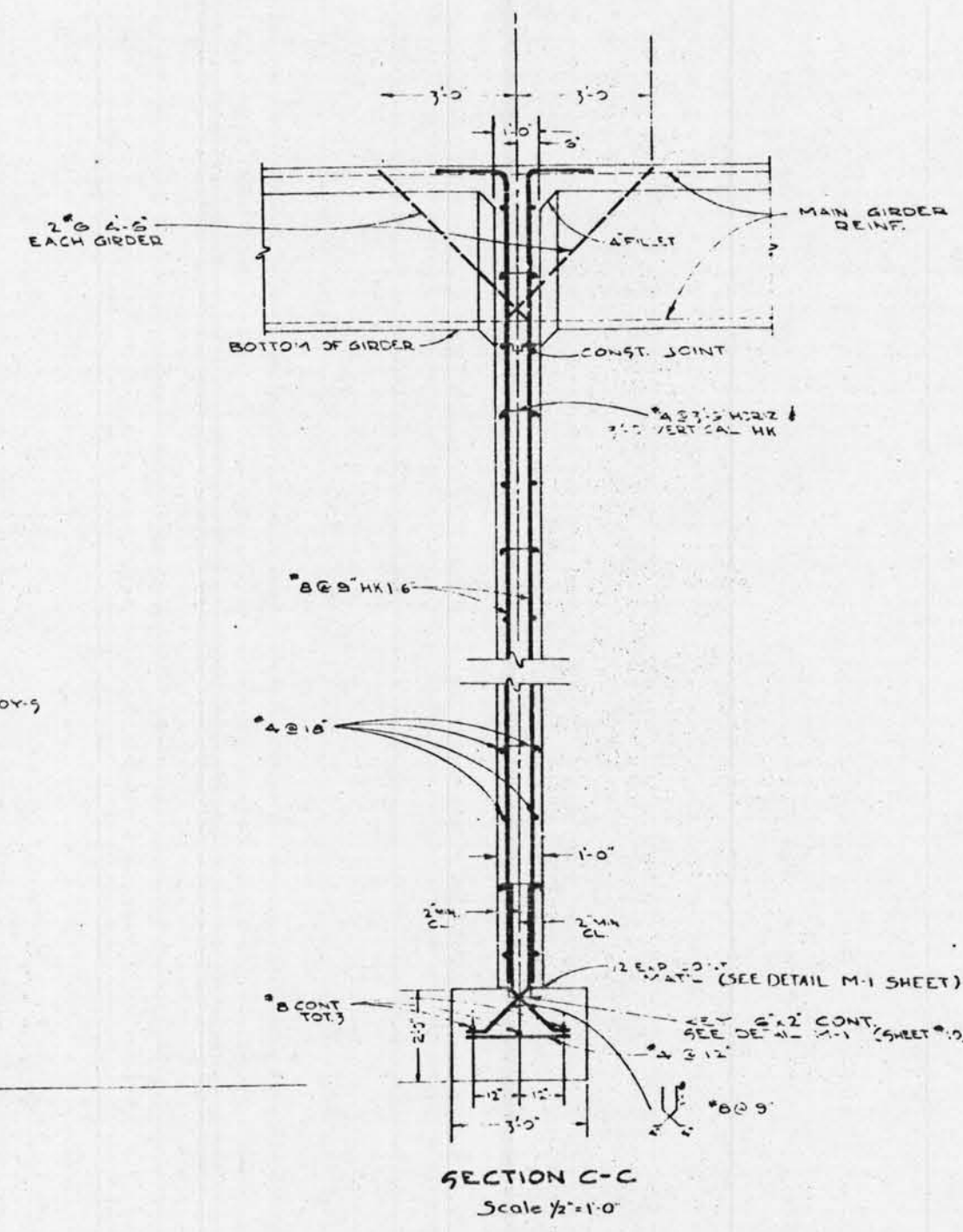
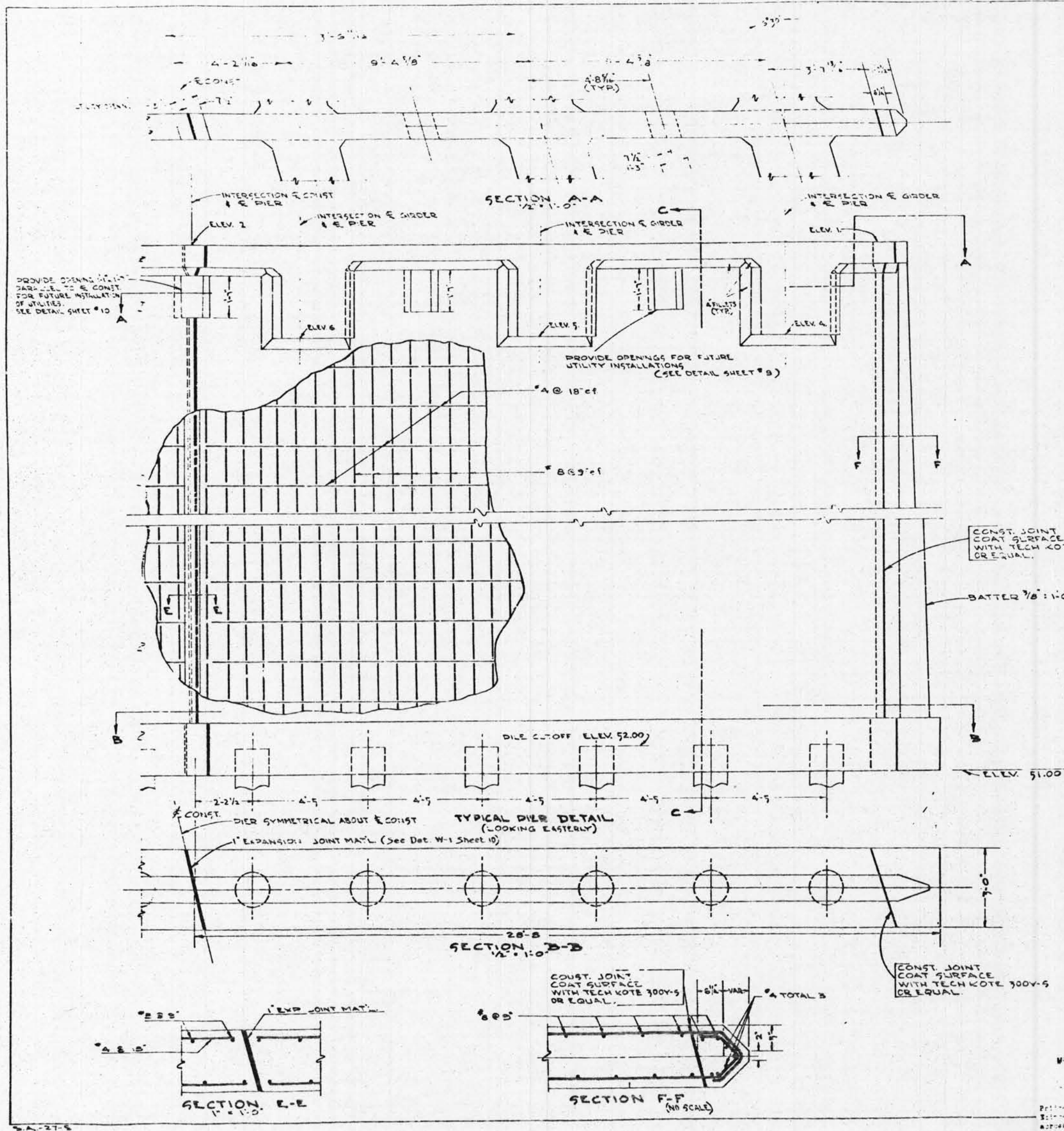
APPROVED: ROAD COMMISSIONER

SCALE AS SHOWN

DATE 1958

SHEET 3 OF 3





PIER ELEVATIONS
AT POINTS SHOWN ON ELEV VIEW

PIER	LEV. 1	LEV. 2	LEV. 3	LEV. 4	LEV. 5	LEV. 6	LEV. 7	LEV. 8	LEV. 9
2	72.24	73.28	72.75	68.10	68.74	68.51	68.52	68.41	68.30
3	72.64	73.77	73.22	68.52	68.65	68.80	68.21	68.58	68.10
4	71.13	72.52	73.14	68.63	68.82	68.86	68.86	68.83	68.70
5	73.14	73.52	73.13	68.70	68.83	68.96	68.35	68.82	68.23
6	73.22	73.77	72.94	68.58	68.63	68.82	68.87	68.85	68.52
7	72.75	73.28	72.62	68.37	68.41	68.52	68.51	68.34	68.15

REF. SHEET # 2

COUNTY OF ORANGE HIGHWAY DEPT.

PIER DETAIL

EDINGER ST. BRIDGE
ACROSS SANTA ANA RIVER

BRIDGE NO. 9A 27

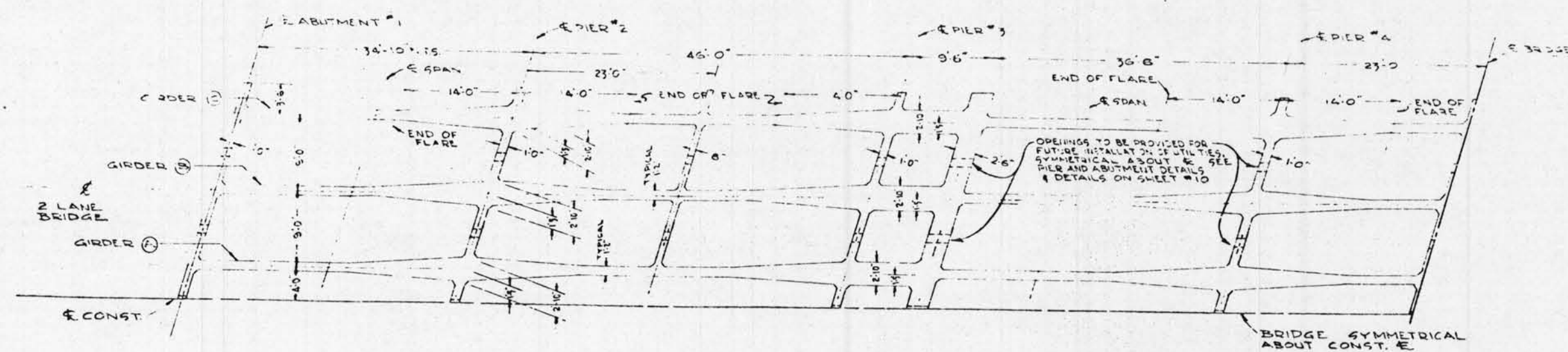
APPROVED: ROAD COMMISSIONER C. E. 7877

SCALE: AS SHOWN

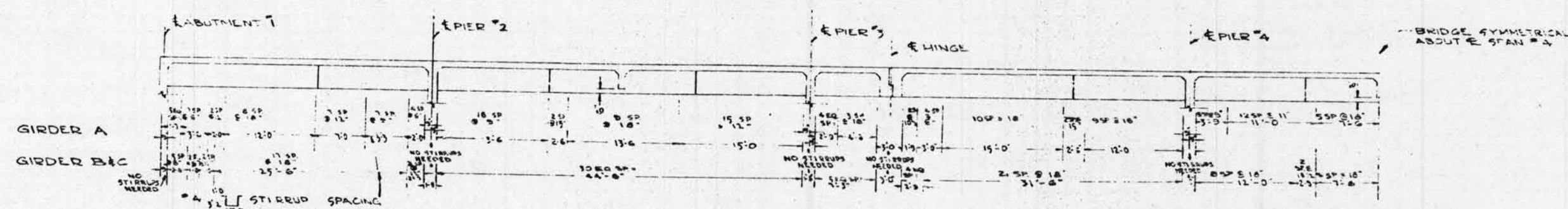
MAP: 1238

SHEET: OF 13 SHEETS

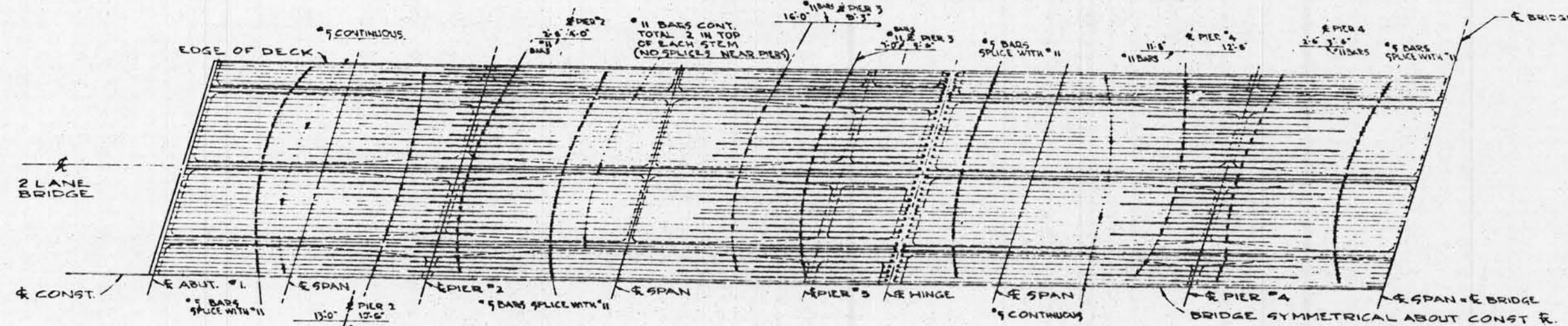
517.5



TYPICAL LAYOUT PLAN
CRACK-OFF SECTION NOT SHOWN



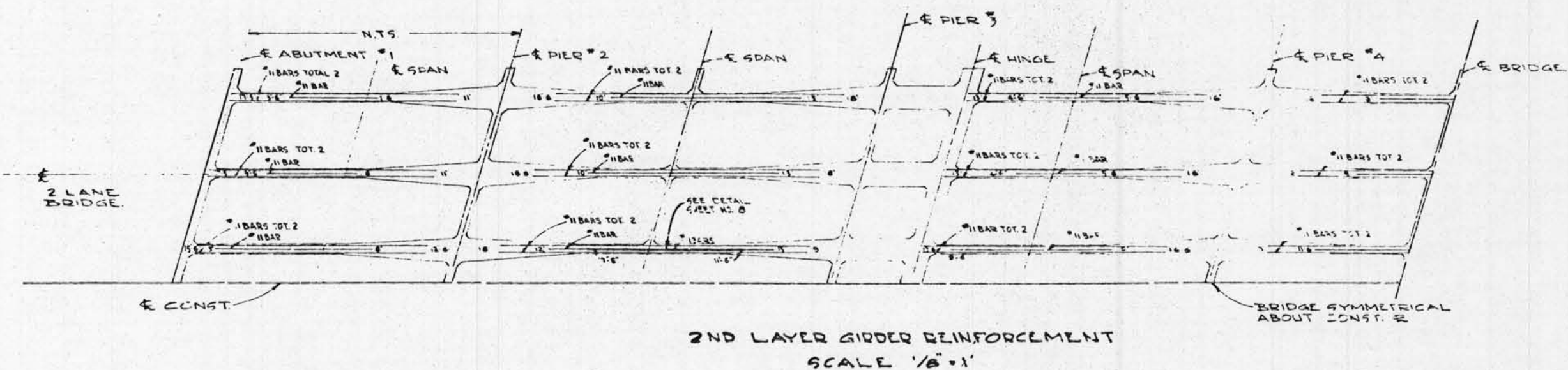
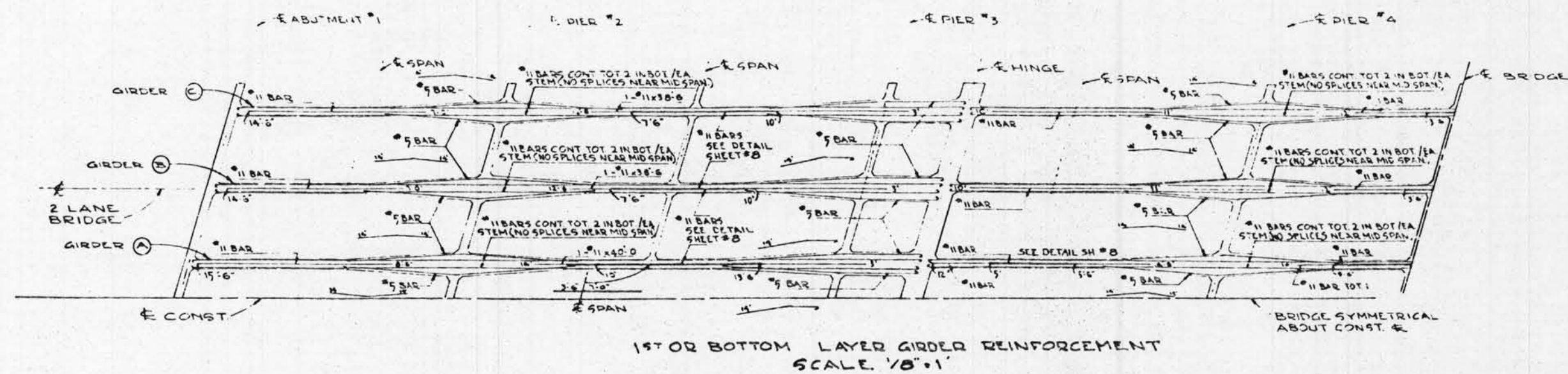
TYPICAL SECTION & STIRRUP SPACING



LONGITUDINAL TOP REINFORCEMENT
CRACK-OFF SECTION NOT SHOWN

COUNTY OF ORANGE HIGHWAY	
GIRDER LAYOUT & REIN	
EDINGER ST. B	
ACROSS SANTA ANA	
BRIDGE NO. 5A.	
APPROVED	ROAD COMMISSIONER
SCALE 1/8" = 1'-0"	MAR. 1938

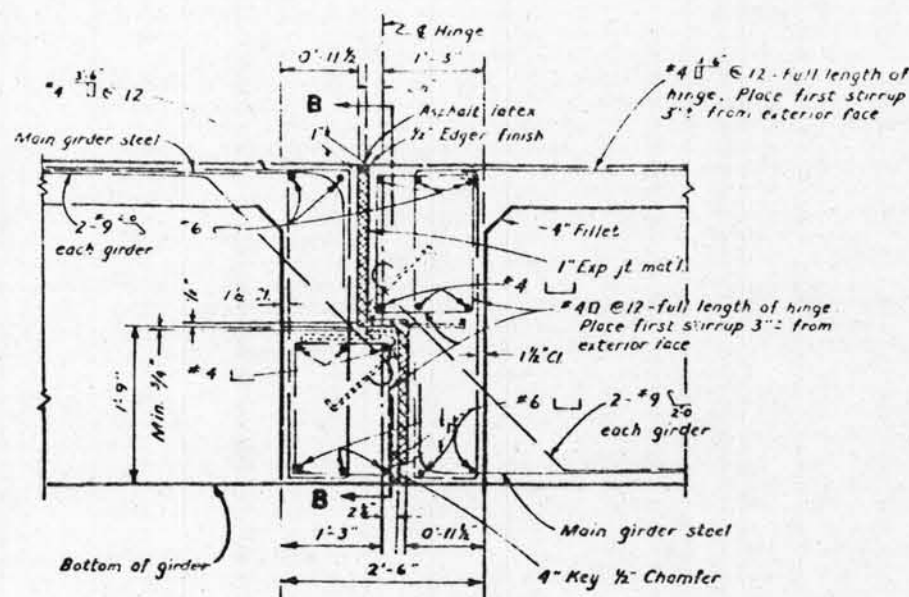
SHT. 6



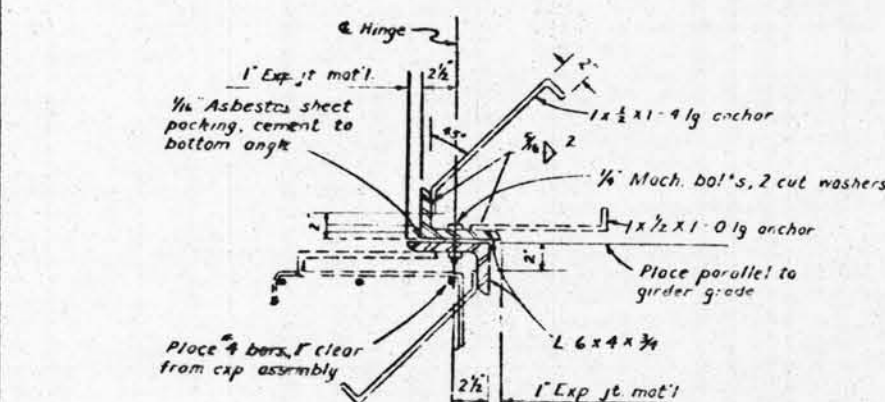
NOTE:
ALL REINFORCEMENT NUMBERS
AT ENDS OF BARS ON THIS SHEET
INDICATE DISTANCE IN FEET &
INCHES FROM E. SPAN, EXCEPT
AS NOTED.

COUNTY OF ORANGE HIGHWAY DEPT		
GIRDER REINFORCEMENT		
EDINGER ST. BRIDGE		
ACROSS SANTA ANA RIVER		
BRIDGE NO. 5A. 27		
APPROVED: ROAD COMMISSIONER C. L. TOTT		
SCALE 1/8" = 1'-0"	MAR. 1958	SHEET 2 OF 13 SHEETS

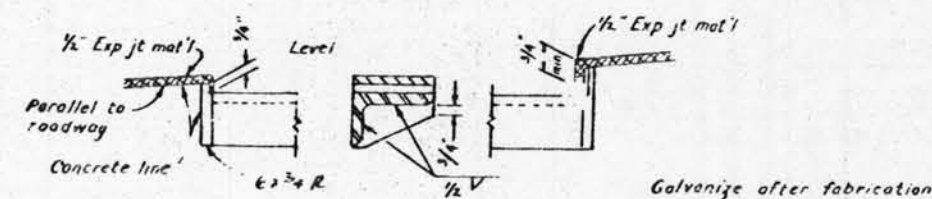
END OF SHEET
NO. 27-1
NOT TO BE USED FOR
ANY OTHER PROJECT
DATE: 11-12-58
REVISION: 11-12-58
DRAWN BY: [illegible]



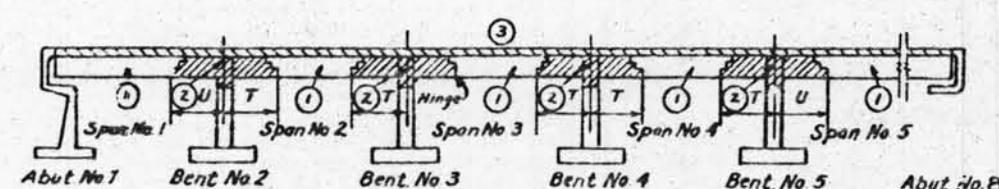
TYPICAL EXPANSION HINGE
Scale 3/8" = 1'-0"



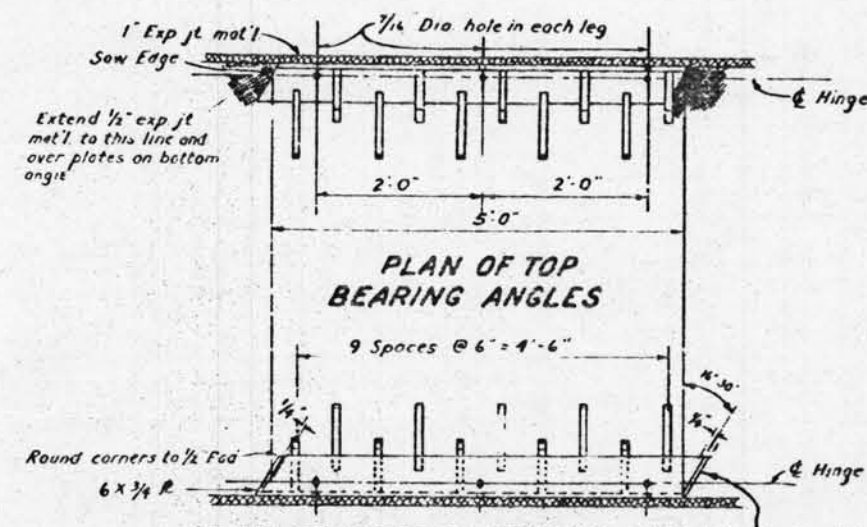
SECTION THRU EXPANSION ASSEMBLY
Scale 1/2" = 1'-0"



DETAIL A
Scale 1 1/2" = 1'-0"



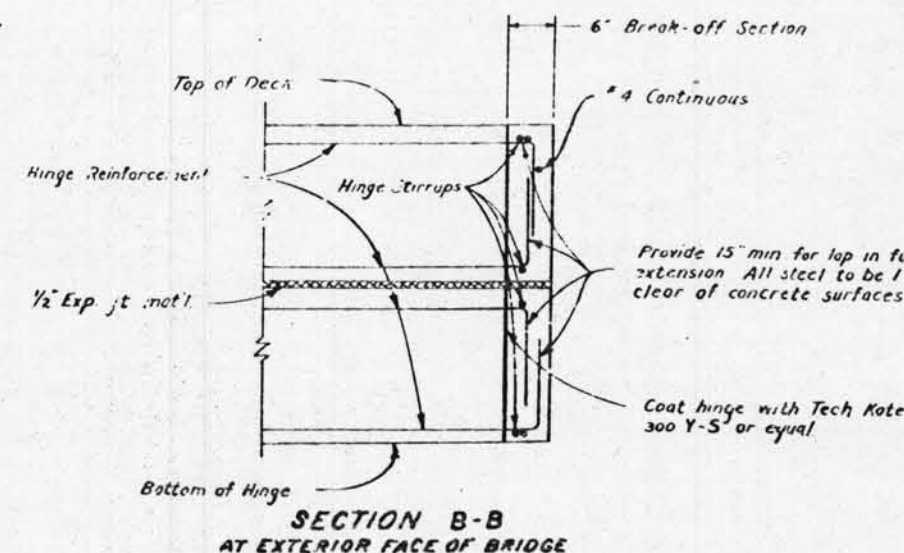
PLAN OF TOP BEARING ANGLES
Scale 3/4" = 1'-0"



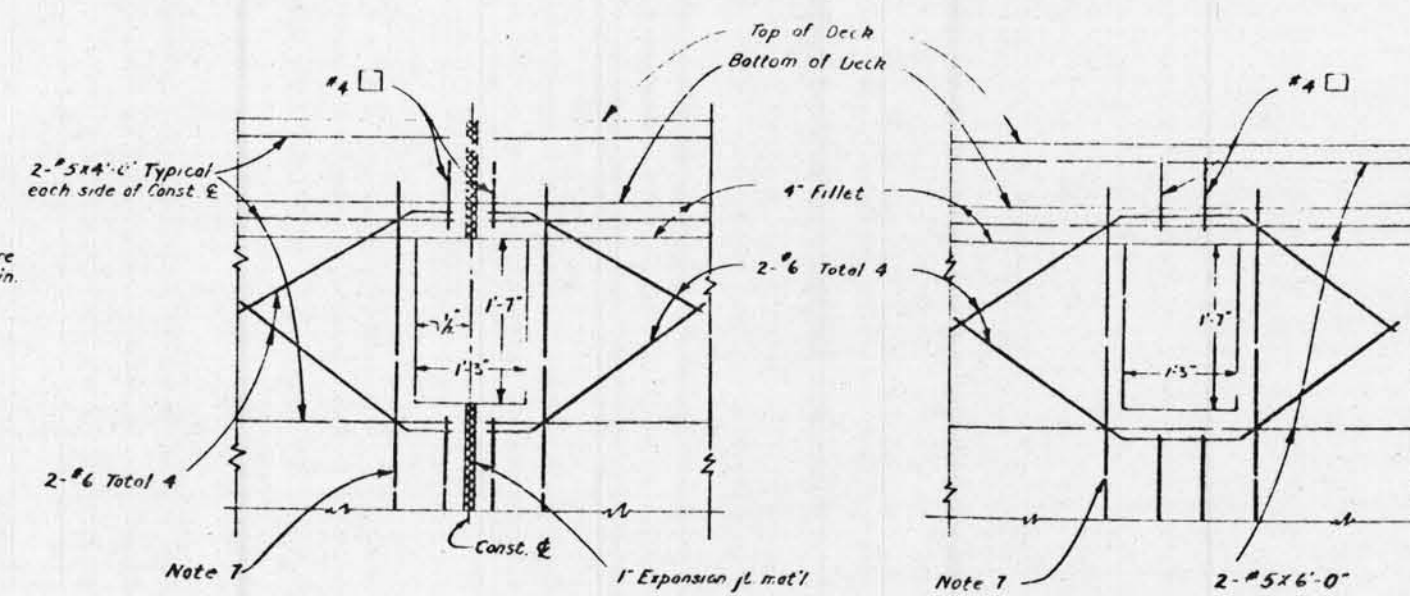
PLAN OF BOTTOM BEARING ANGLES
Scale 3/4" = 1'-0"

TYPICAL GIRDER ASSEMBLY

To provide for free movement of the completed hinge, abutting surfaces of steel and concrete are to be completely separated with expansion material.

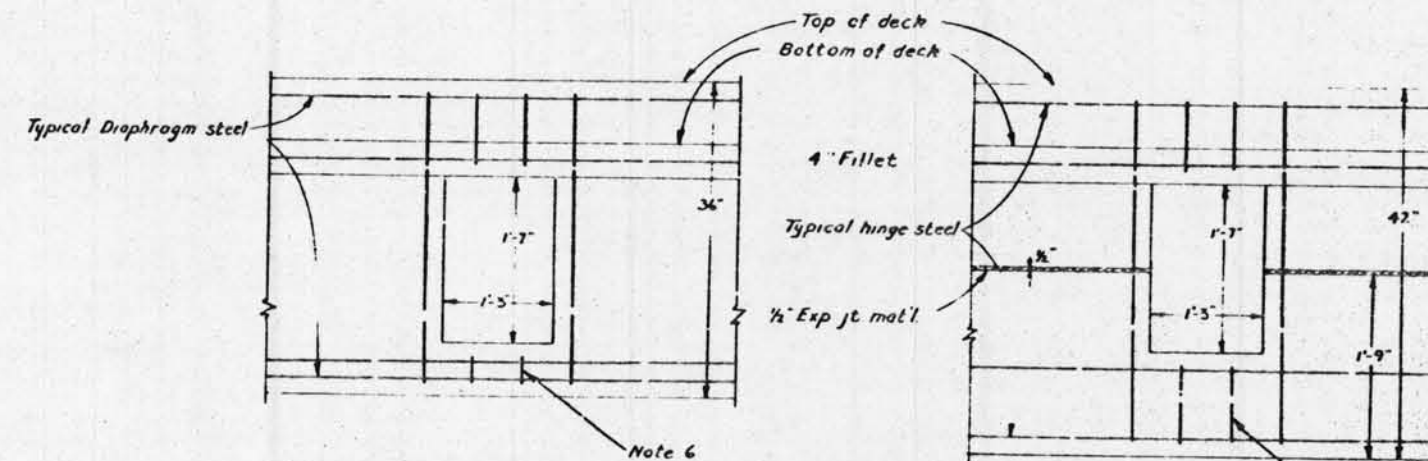


SECTION B-B AT EXTERIOR FACE OF BRIDGE



AT & OF CONST.

AT PIERS & ABUTMENTS
Scale 1" = 1'-0"



DIAPHRAGM

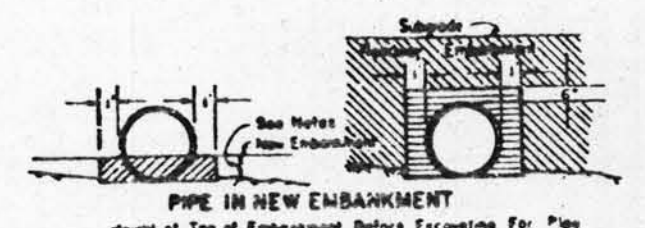
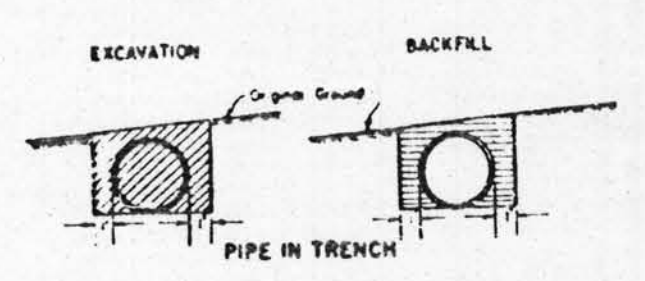
HINGE

UTILITY DETAIL
Scale 1" = 1'-0"

NOTES

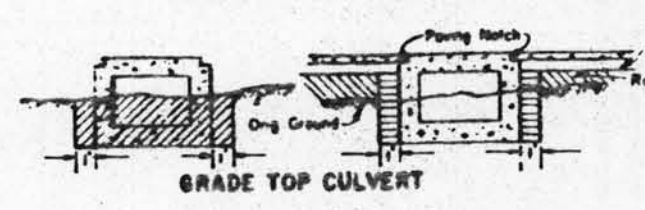
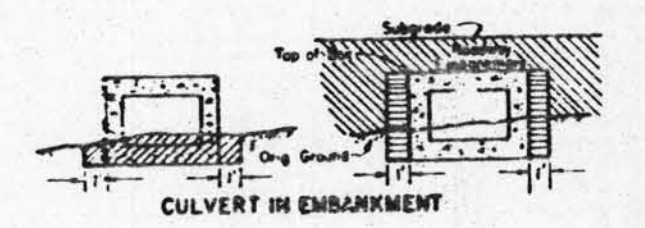
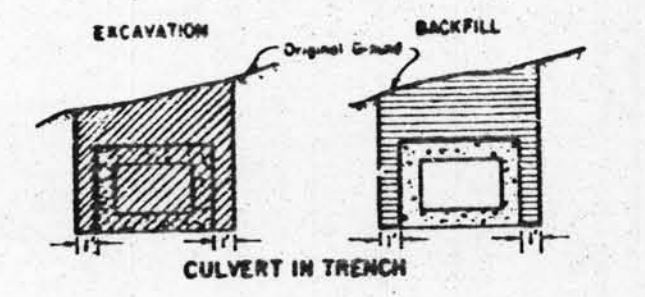
1. For exact location and direction of openings see other sheets.
2. Location and size of utility openings may be modified as directed by the Engineer, provided minimum dimensions are maintained.
3. Girders not shown, see other sheets.
4. Seal around utilities at abutments to be of sufficient strength to withstand earth pressure.
5. All reinforcement detailed to be placed in addition to reinforcement shown on other sheets.
6. Stirrups are same size as adjacent stirrups shown on other sheets.
7. Main reinforcement to clear opening as detailed on other sheets.

COUNTY OF ORANGE HIGHWAY DEPT.		
MISCELLANEOUS DETAILS		
EDINGER ST. BRIDGE		
ACROSS SANTA ANA RIVER		
BRIDGE NO. 5A 27		
APPROVED:	ROAD COMMISSIONER C. E. TOL	
SCALE AS SHOWN	MAR. 1958	SHEET 2 OF 13 SHEETS

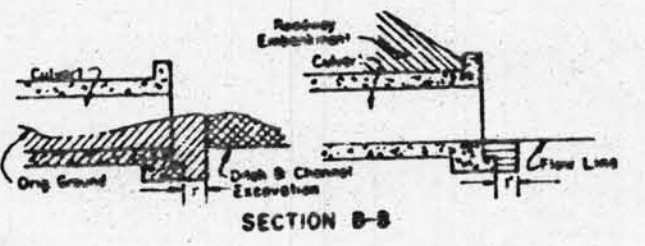
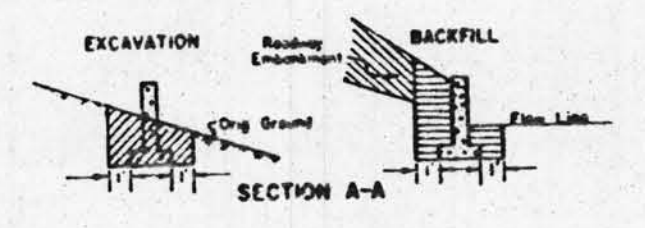
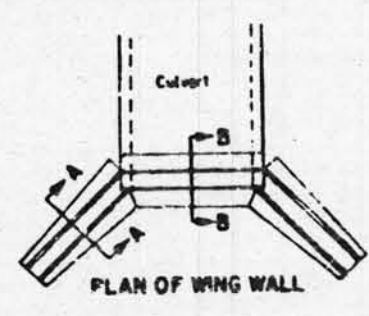
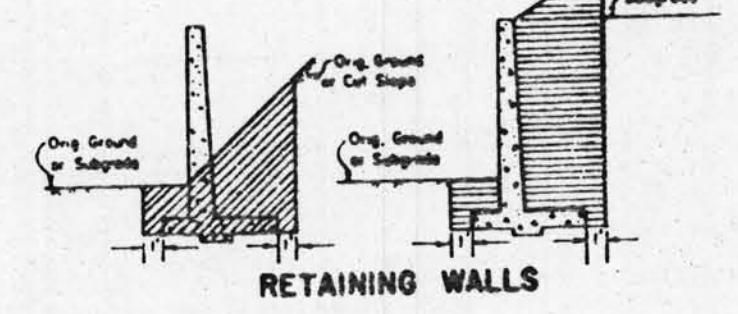
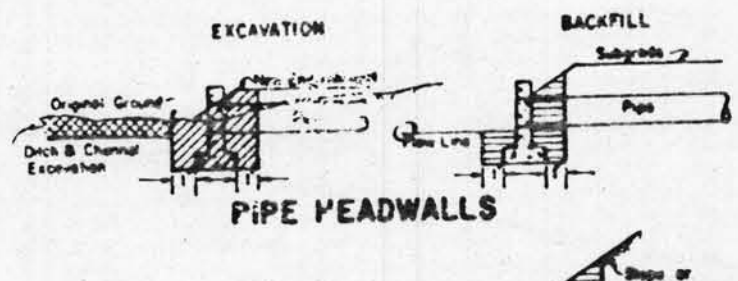


Height of Top of Embankment Before Excavating For Pipe
 Shall Be As Follows:
 For pipe 24" or less dia 6" above top of pipe
 For C & P over 24" to 30" dia 30" above bottom of pipe
 For C & P over 30" dia 1/3 point of the above bottom of pipe
 For R.C.P. over 24" dia 30" above bottom of pipe
 For field concrete pipe culvert 1/3 point of the above bottom of pipe
 Structure Backfill Above Top of Pipe

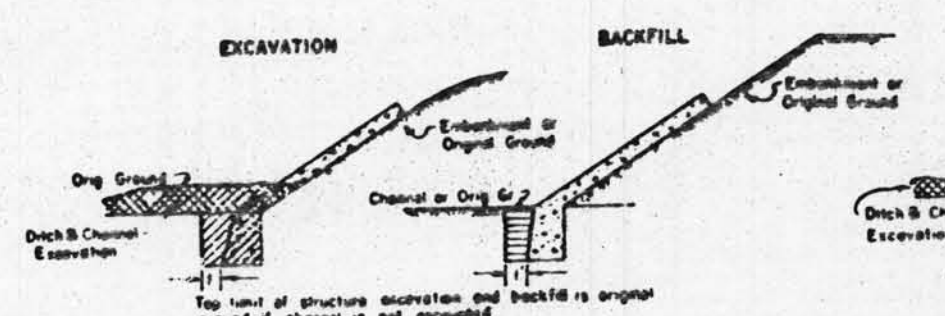
PIPES, RODS & DEADMEN
 Except Underdrains & Downdrains



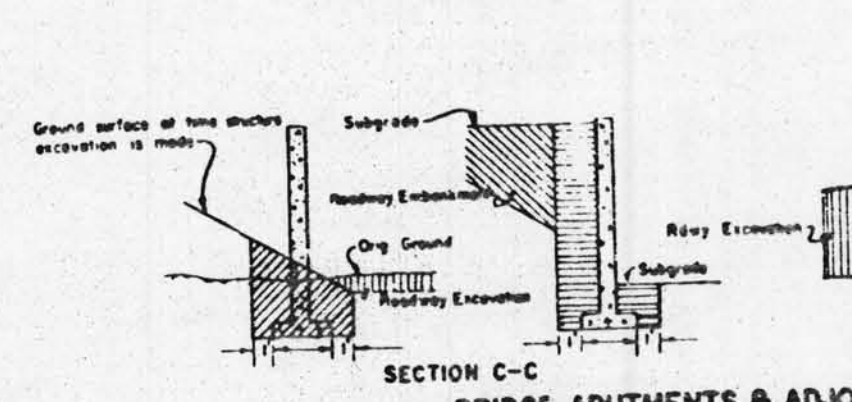
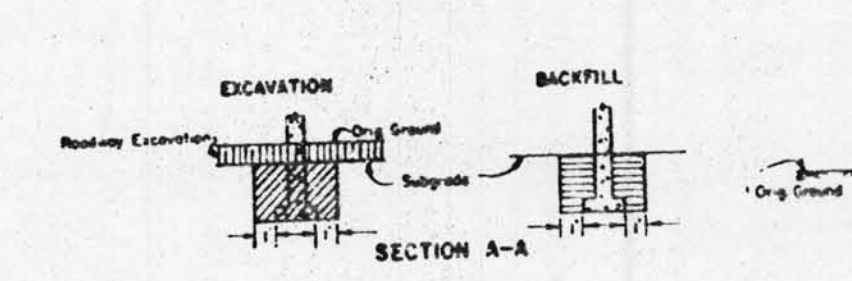
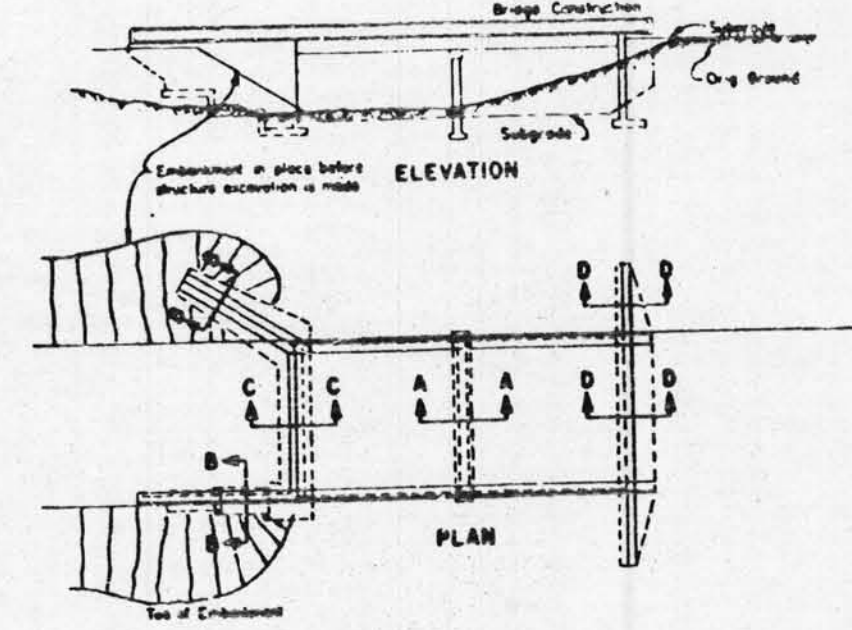
BOX CULVERTS



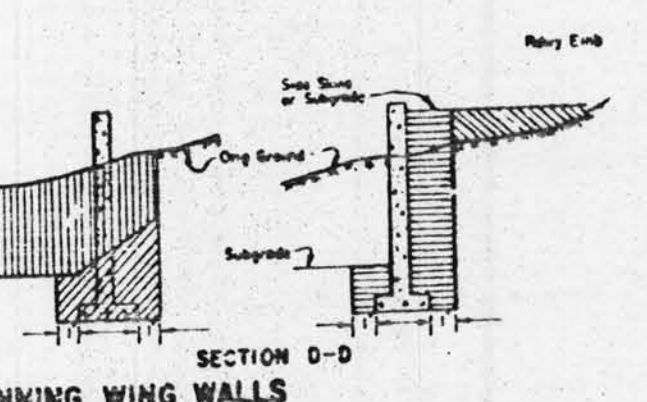
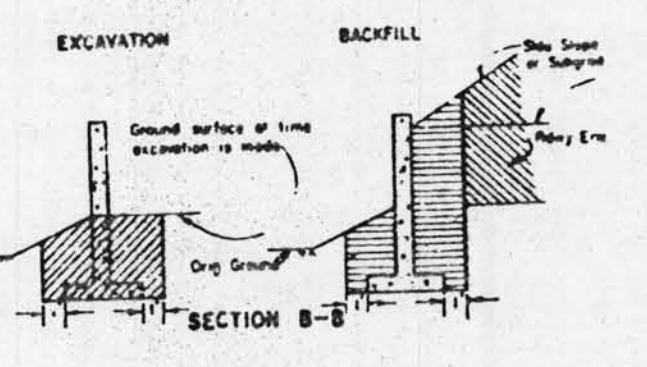
WING WALLS



CONCRETE SLOPE PAVING



BRIDGE ABUTMENTS & ADJOINING WING WALLS



LEGEND

- Structure Excavation
- Structure Backfill
- Ditch & Channel Excavation
- Roadway Embankment
- Roadway Excavation

Note: Subgrade shall be lowest subgrade as defined in the Standard Specifications.

NOTE: THESE PLANS ADOPTED FROM THE STANDARD PLANS, STATE OF CALIFORNIA, DEPARTMENT OF PUBLIC WORKS, DIVISION OF HIGHWAYS

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: JUL 6 1935

COUNTY-ORANGE HIGHWAY DEP.			
STRUCTURE EXCAV. & BACKFILL			
EDINGER ST. BRIDGE			
ACROSS SANTA ANA RIVER			
BRIDGE NO. 6 A. 27			
APPROVED	[Signature]		
ADJ. COMMISSIONER	C.E. 1935		
NO. SCALE	STANDARD PLAN	DATE	SHEET 12
PR. 22-100	MAR. 1, 1935	13	

1/2" = 1'-0" OR NOTED	MAR. 1958	SHEET OF 13
--------------------------	--------------	----------------