

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
			1952	3	5

DESIGN DATA :

H20-44 Loading
 $f_s = 20,000$
 $f_c = 1200$
 $n = 10$

MATERIAL :

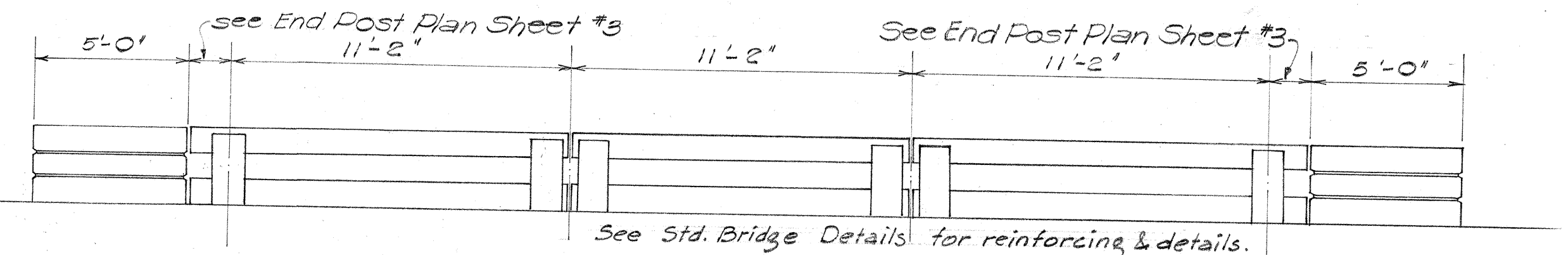
All concrete Class A-1.
 Concrete in deck and curb shall be made with (high early strength) Type III Cement.
 Concrete in railing and reconstruction of conc. abut. walls shall be made with Type I Cement.

CONSTRUCTION METHOD :

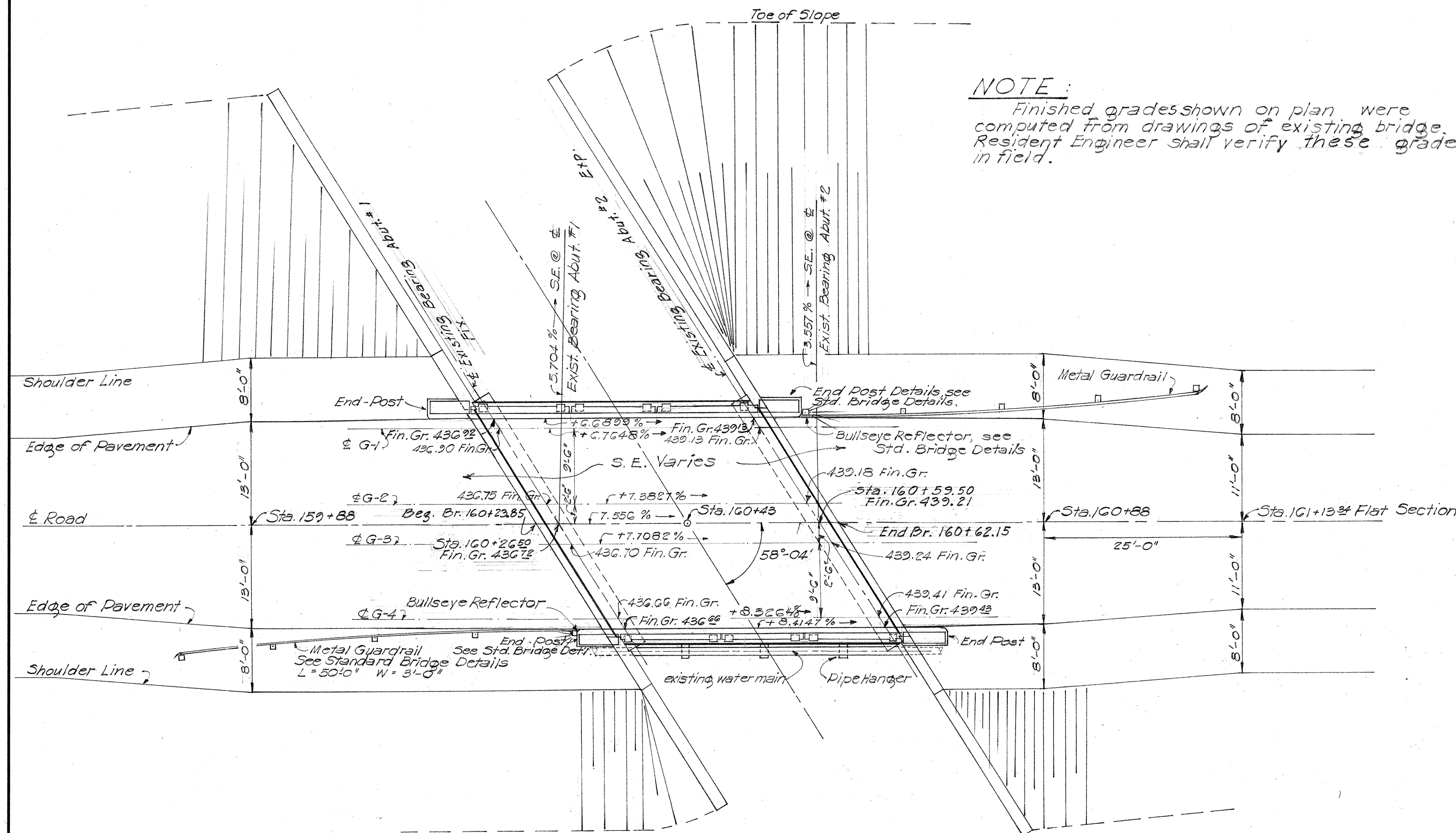
First paragraph on page 172 of Section 47.3 B. of the Standard Specifications for Road and Bridge Construction shall be deleted.
 Concrete in T-beam or deck girder spans shall be poured without construction joint between girder stem and deck slab.

Falsework may be released 5 days after and the structure may be exposed to traffic 7 days after the placing of the concrete.

Railing may be placed before release of falsework.



RIGHT RAILING LAYOUT
 $1/4" = 1'-0"$



NOTE :
 Finished grades shown on plan were computed from drawings of existing bridge. Resident Engineer shall verify these grades in field.

PLAN
 $1" = 10'-0"$

Note! Remove existing timber bridge in stages as shown on plan and construct concrete superstructure using existing abutments.

The contractor shall notify Hawaiian Electric Co. Ltd., Mutual Telephone Co., Bureau of Street Lighting and Suburban Water System of the City and County of Honolulu of his start of operations, and shall perform all his work in connection with the installation of the utilities in cooperation with the respective authorities. All construction work shall be performed in such a way that utilities supported on the present structure will not be damaged and that operation of these utilities will not be interrupted for any longer period than as required for the necessary by pass connections. The water main shall be left undisturbed.

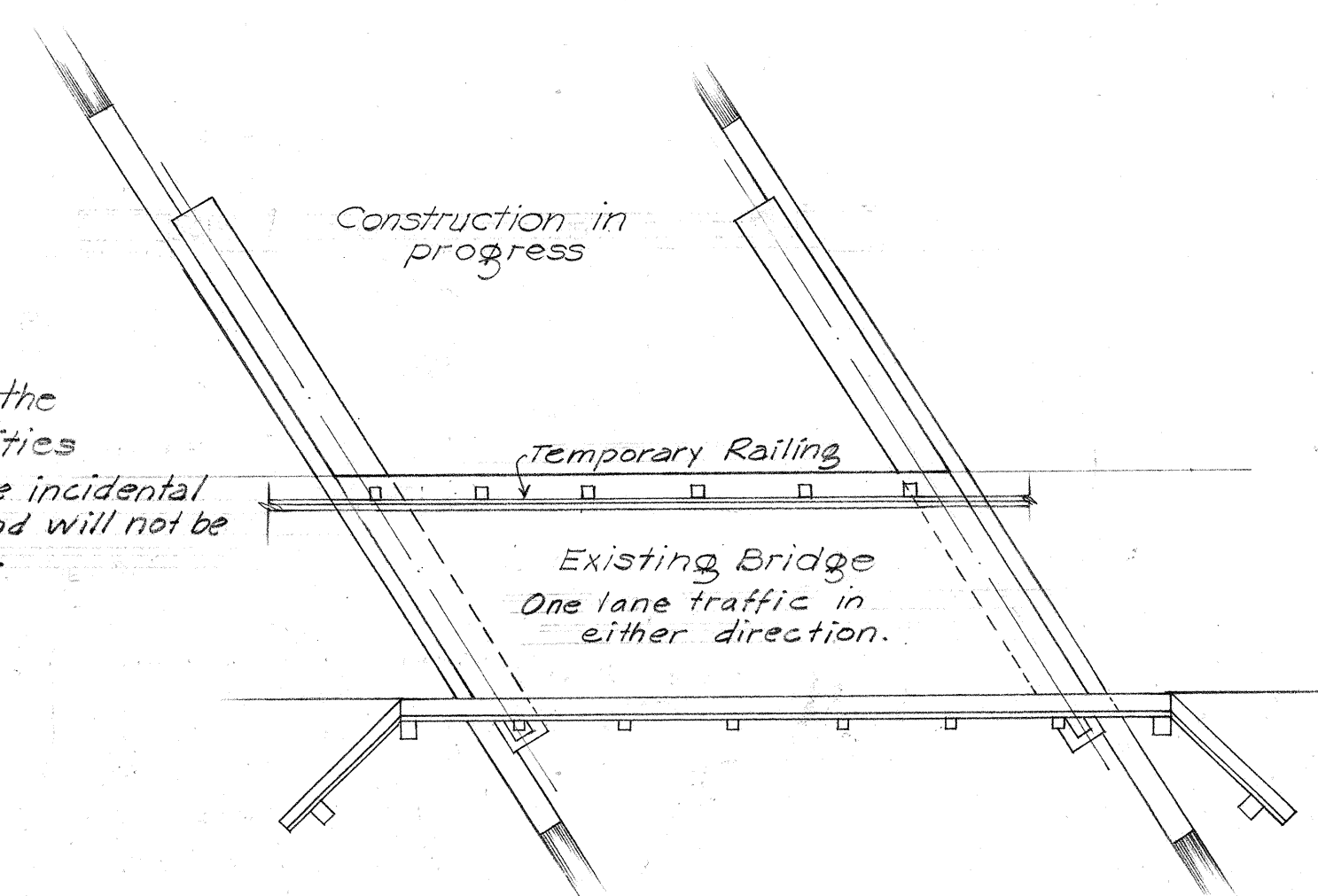
The 4" conduits for the Mutual Telephone Co. & Hawaiian Electric Co. shall be furnished by the agencies concerned and shall be installed by the contractor. The 2" galvanized pipe conduit for the Bureau of Street Lighting shall be furnished & installed by the contractor. The above mentioned conduits shall be installed under the supervision of the respective agencies. This work shall be done only within the limits of the bridge. All work outside these limits and the connection to the existing facilities shall be effected by the agencies concerned. The installation of all conduits shall be incidental to Class A-1 conc. and will not be paid for separately.

ESTIMATED QUANTITIES

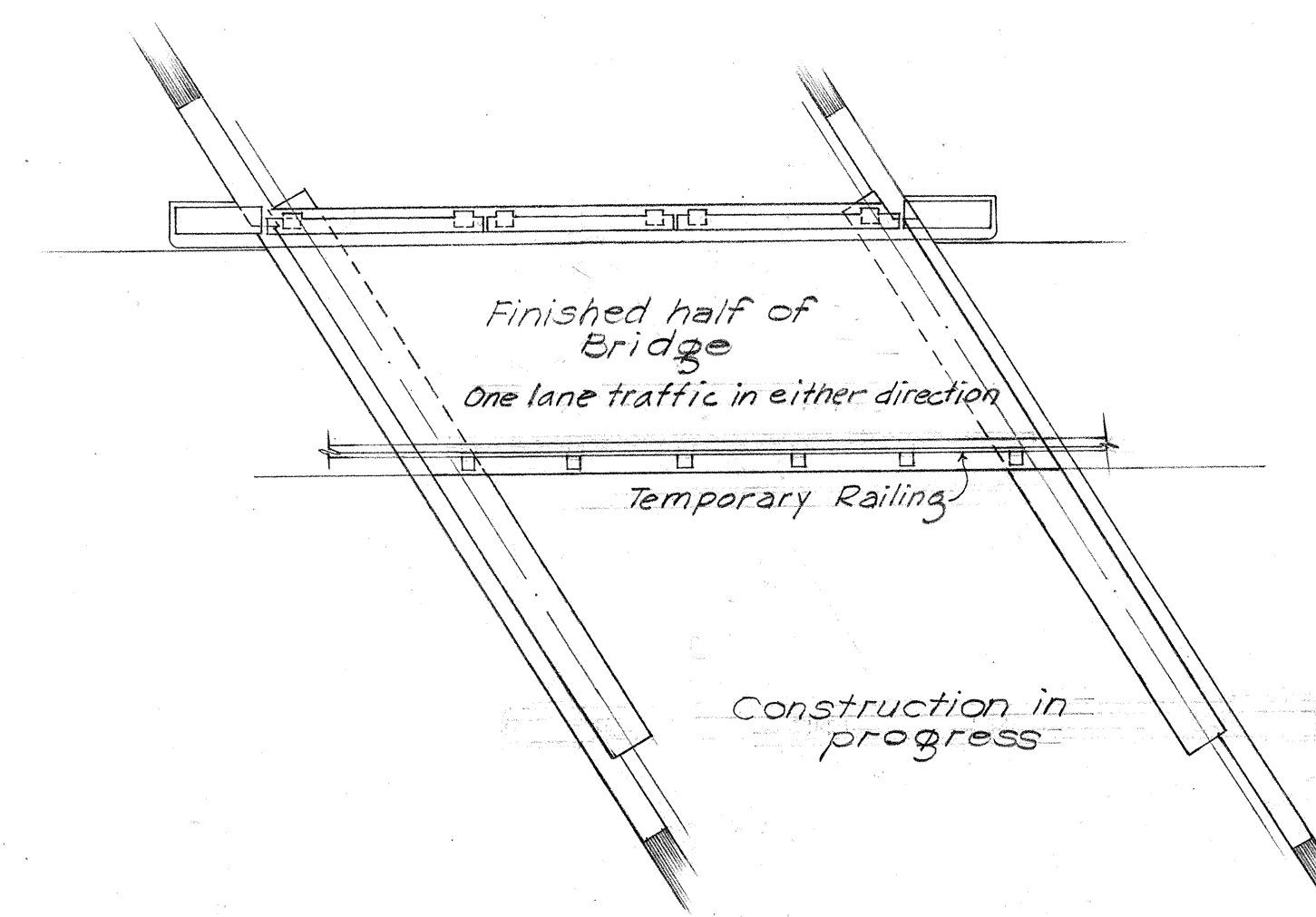
Class A-1 Concrete	74.0 c.y.
Reinforcing Steel	10,044.0 #
A.C. Pavement	10.0 T.
Railing	92.6 Lin.Ft.
Bituminous Tack Coat	28.0 Gals.
Structural Excavation	6.0 c.y.
Metal Guard Rail	100.0 ft.

Note!

All work and materials comprising the construction of this project shall be subject to the requirements of the Standard Specifications for Road and Bridge Construction, January, 1951



PHASE ONE
 $1" = 10'-0"$



PHASE TWO
 $1" = 10'-0"$

The contractor's attention is called to Sections 7.5 & 7.6 of the Standard Specifications for Road and Bridge Construction.

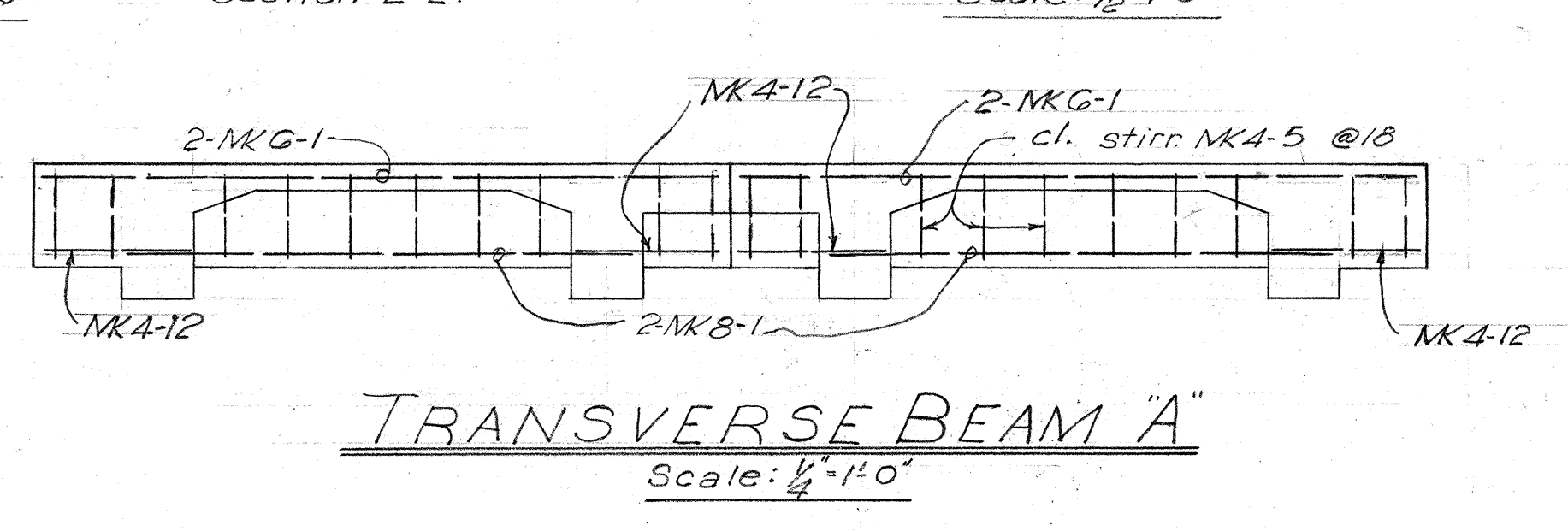
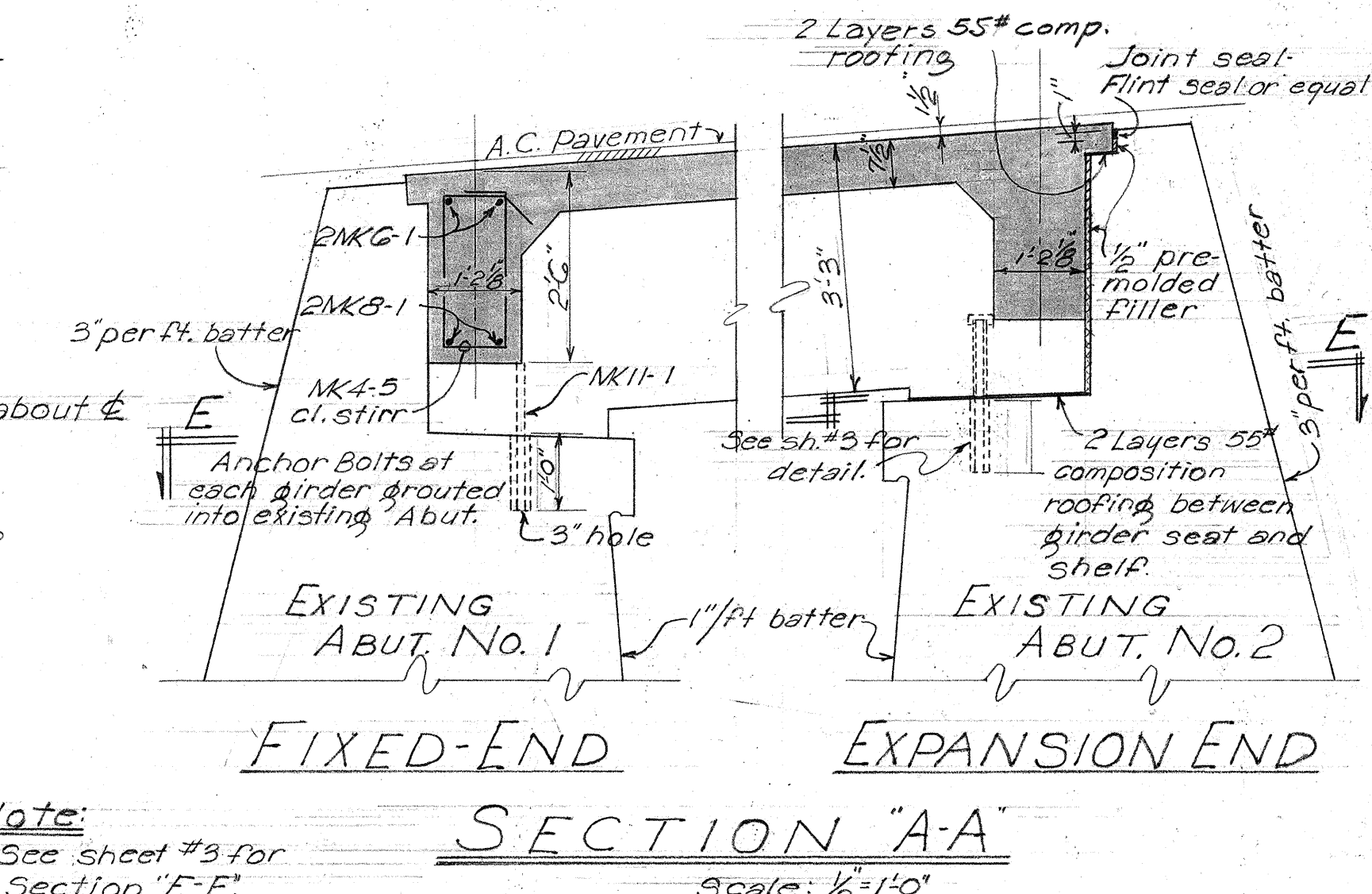
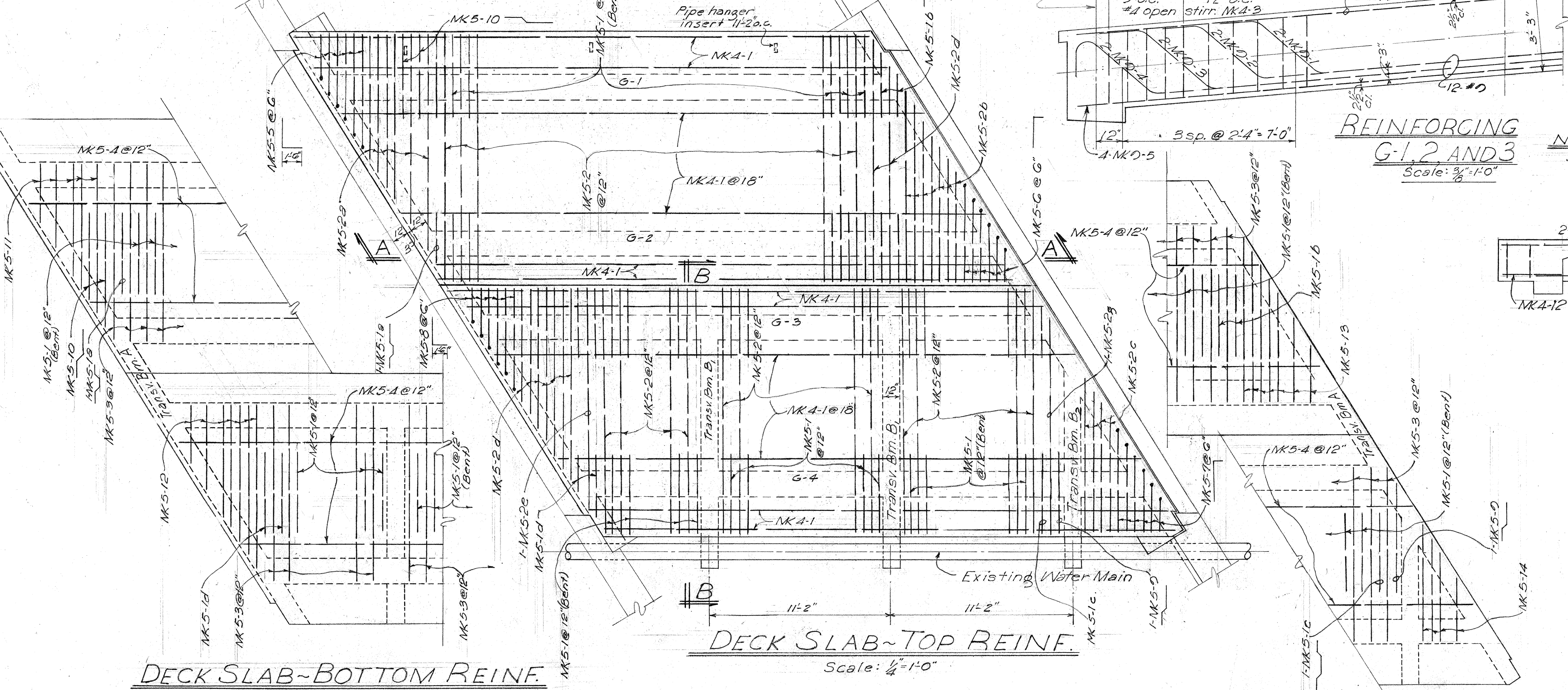
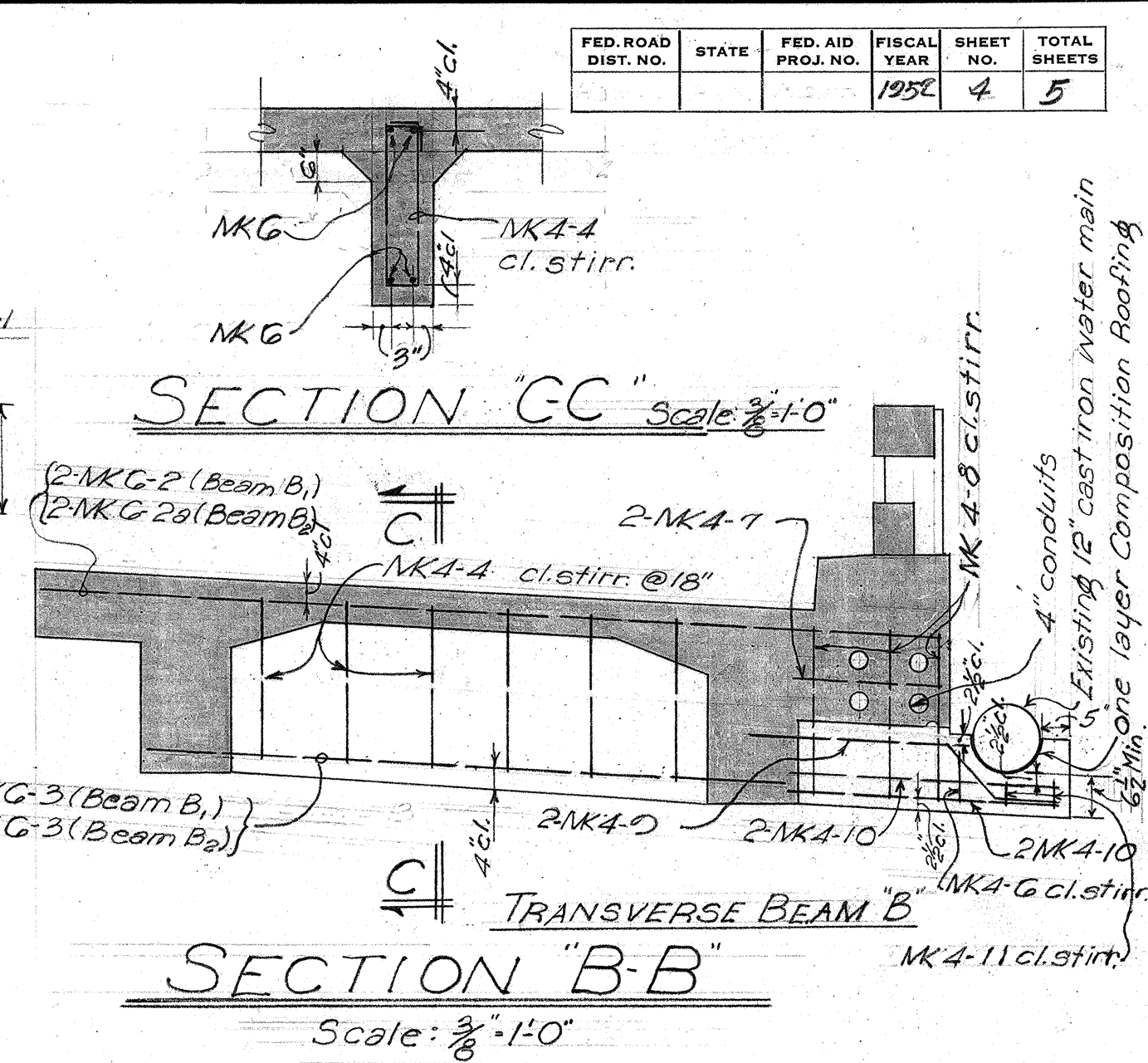
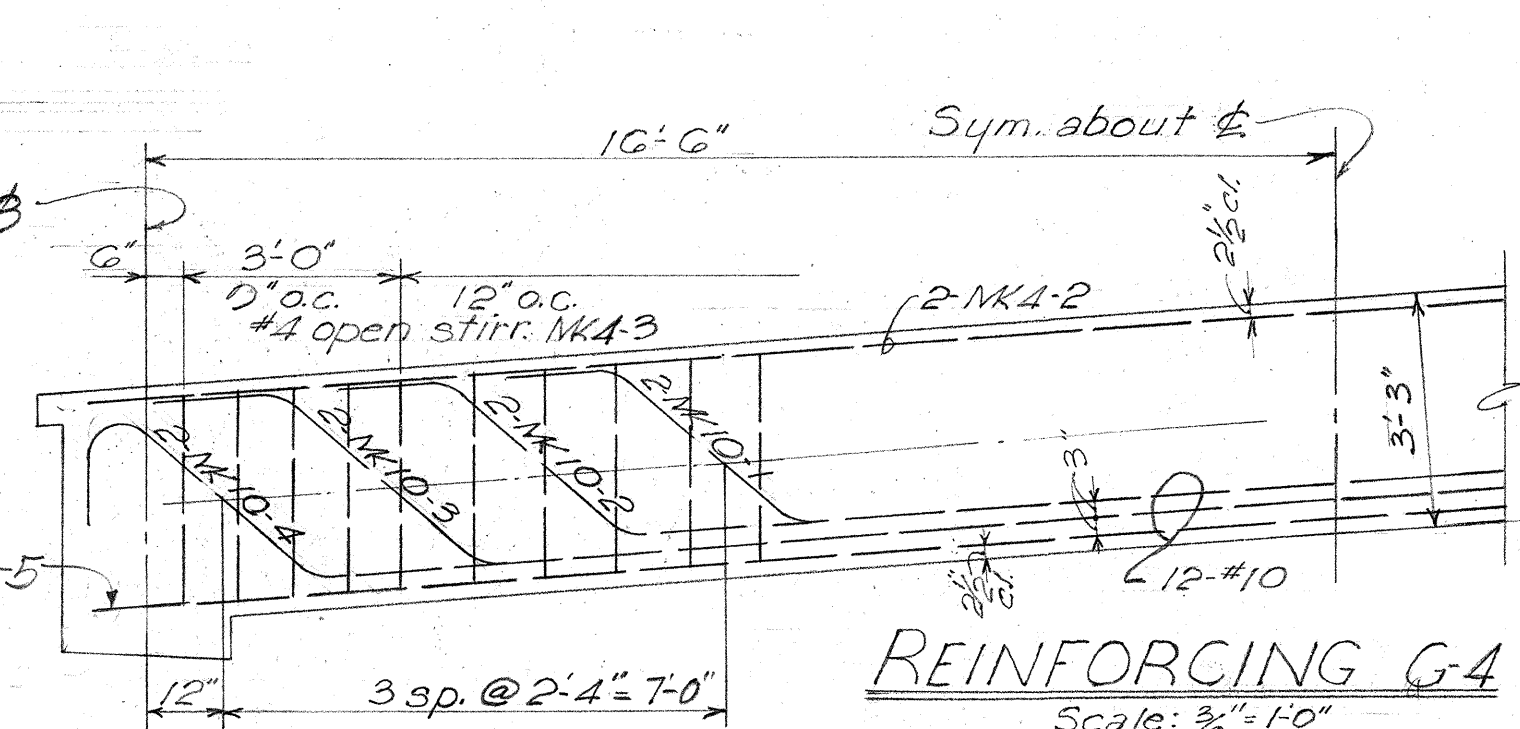
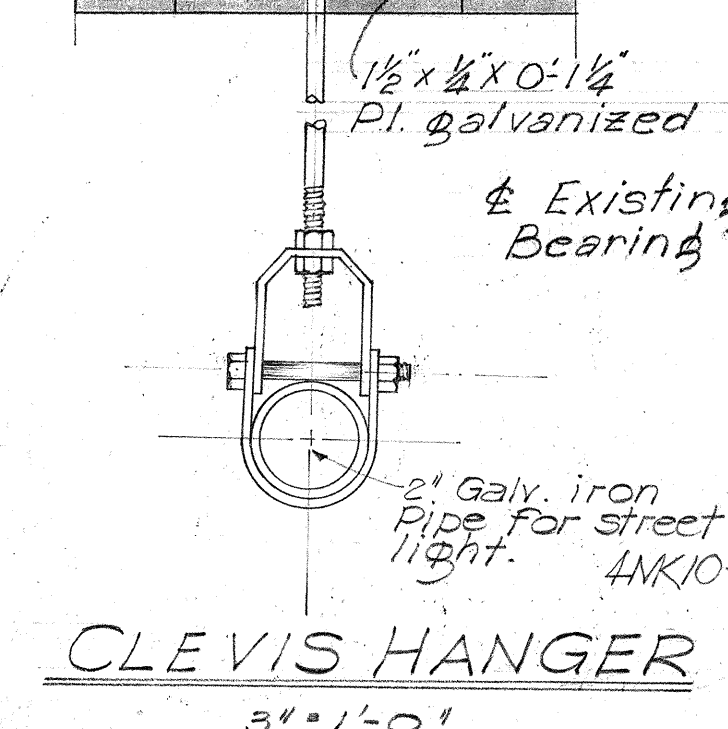
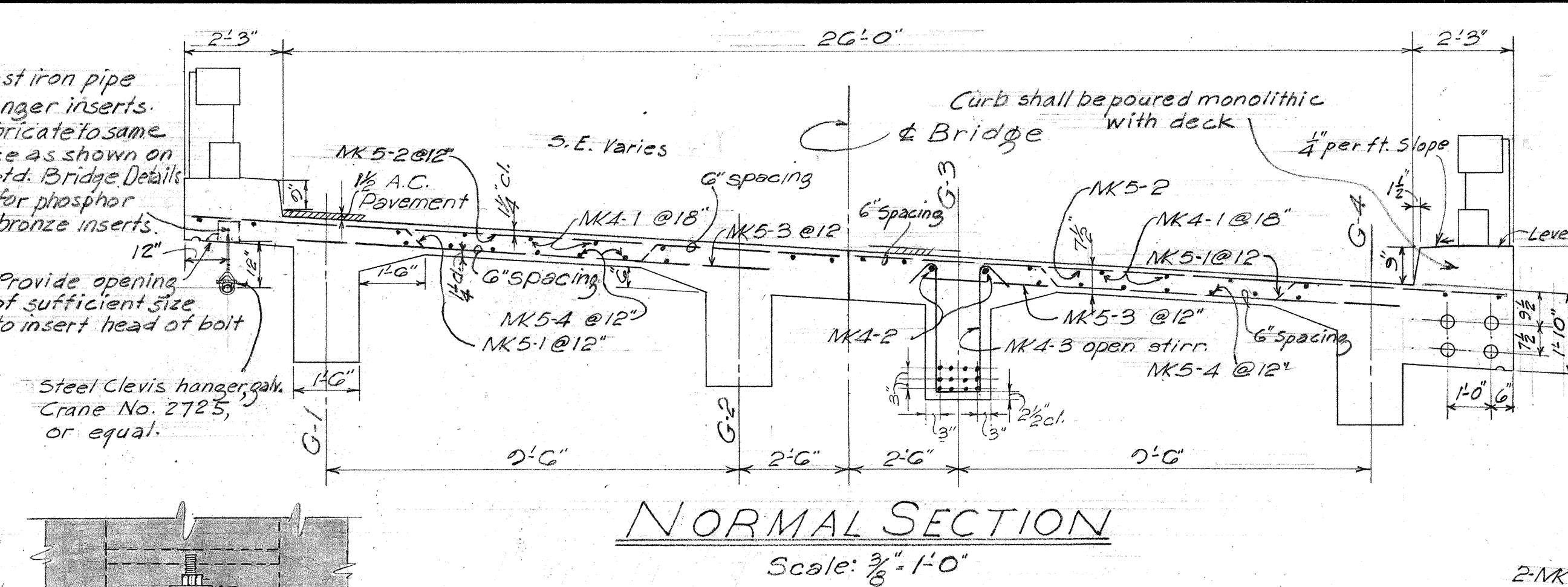
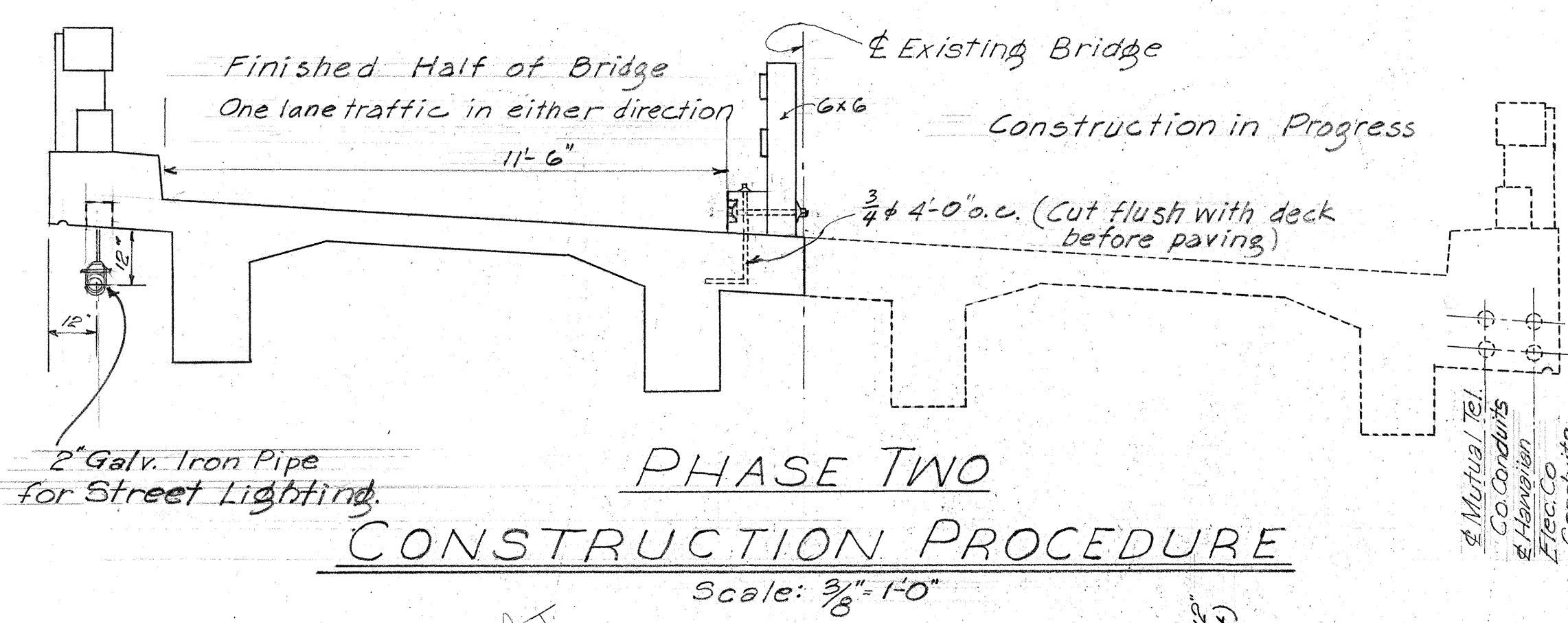
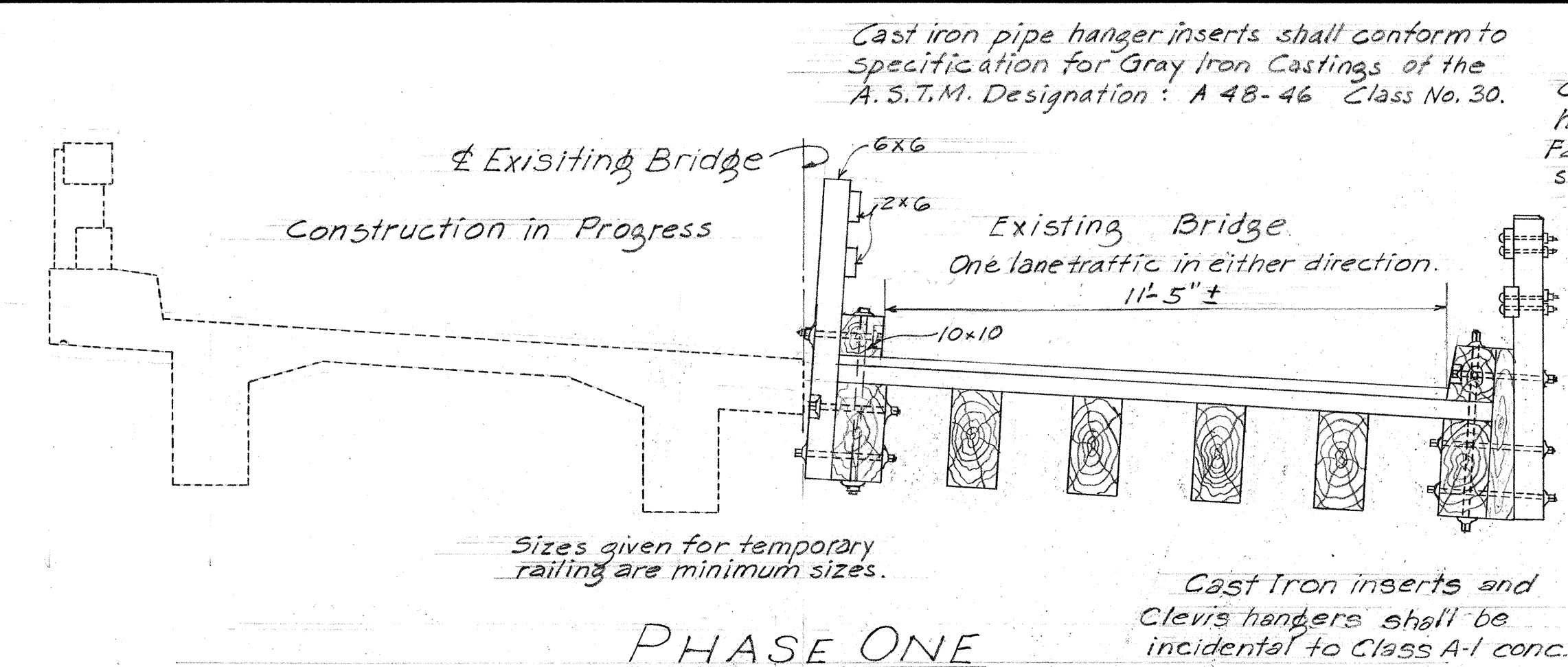
TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
OVERCROSSING
 ON
 AIEA NAVAL HOSPITAL ACCESS RD.
 Sta. 160+23.85 to Sta. 160+62.15
 March, 1952

SHEET NO. 1 OF 3 SHEETS

5595.3

DESIGNED BY
 DRAWN BY
 CHECKED BY
 DATE
 ORIGINAL PLAN
 NOTE BOOK
 No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
			1952	4	5

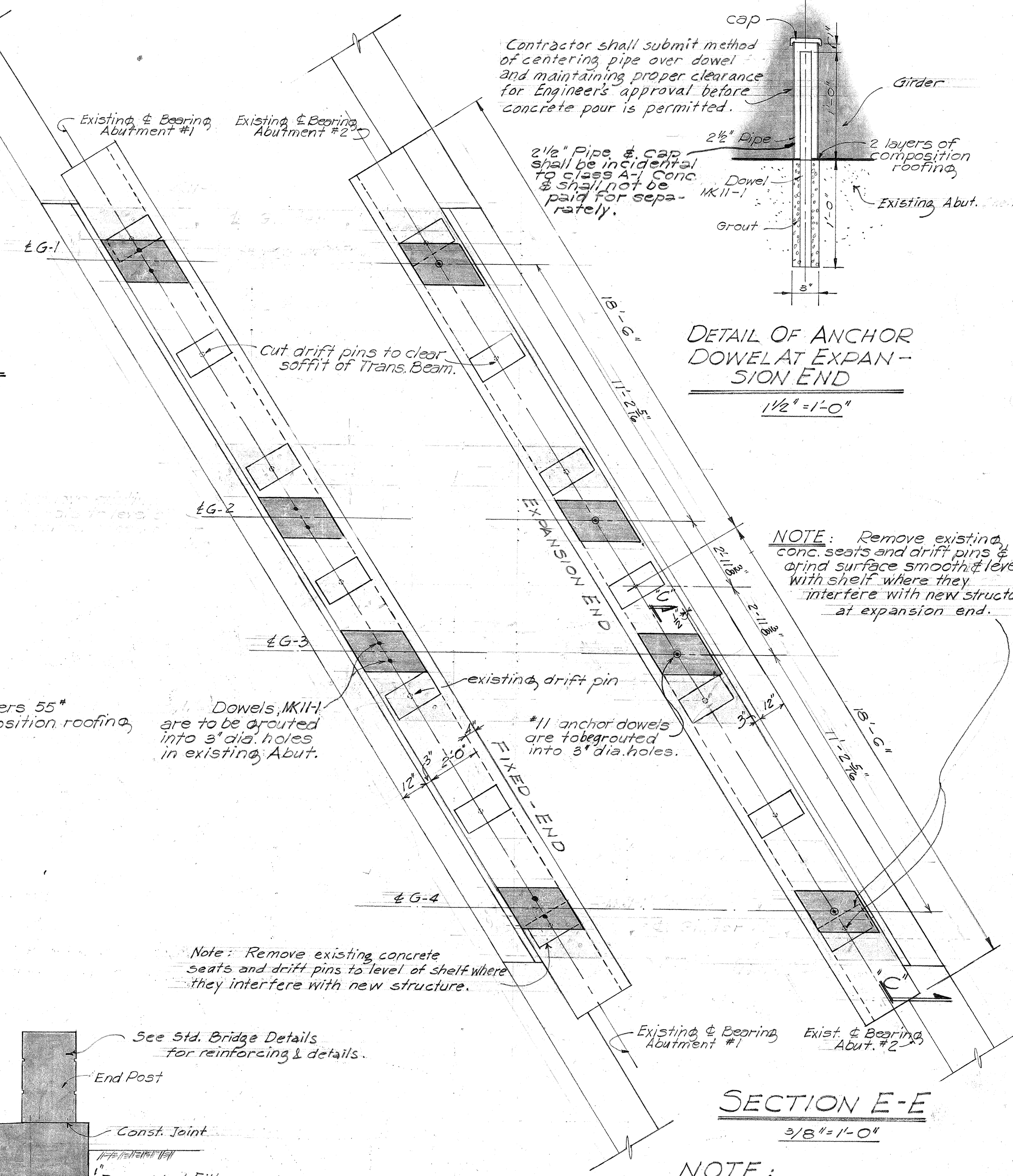
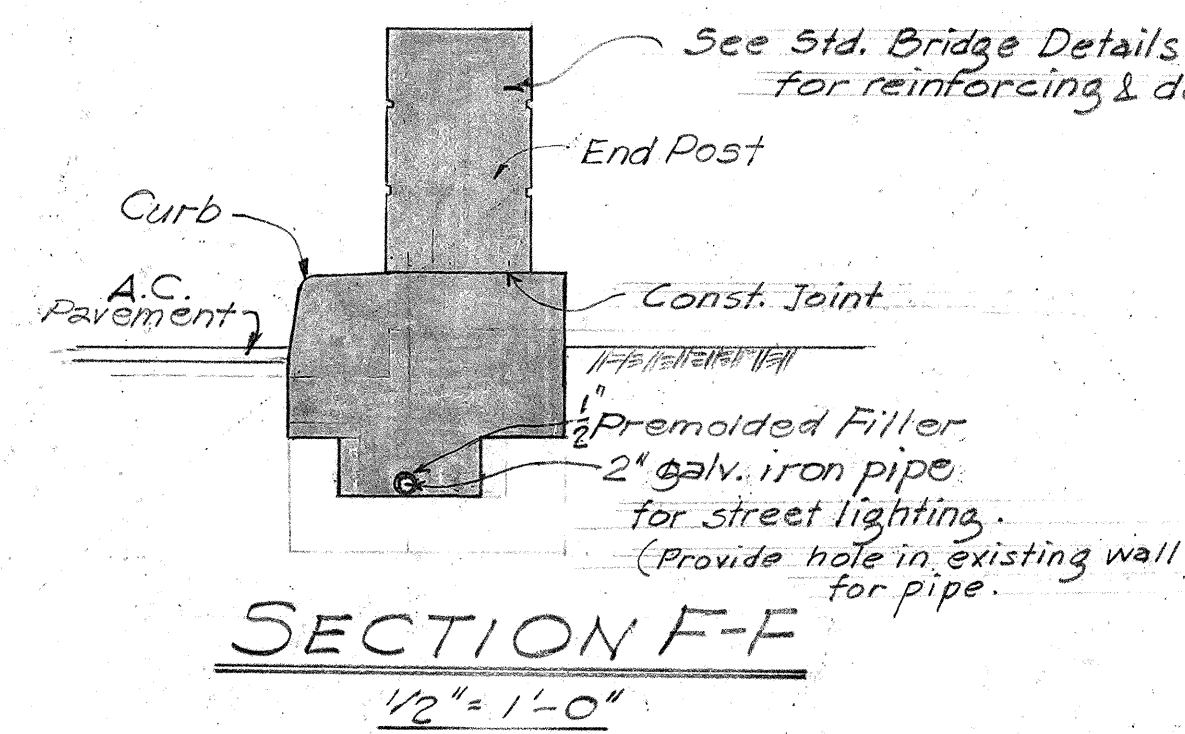
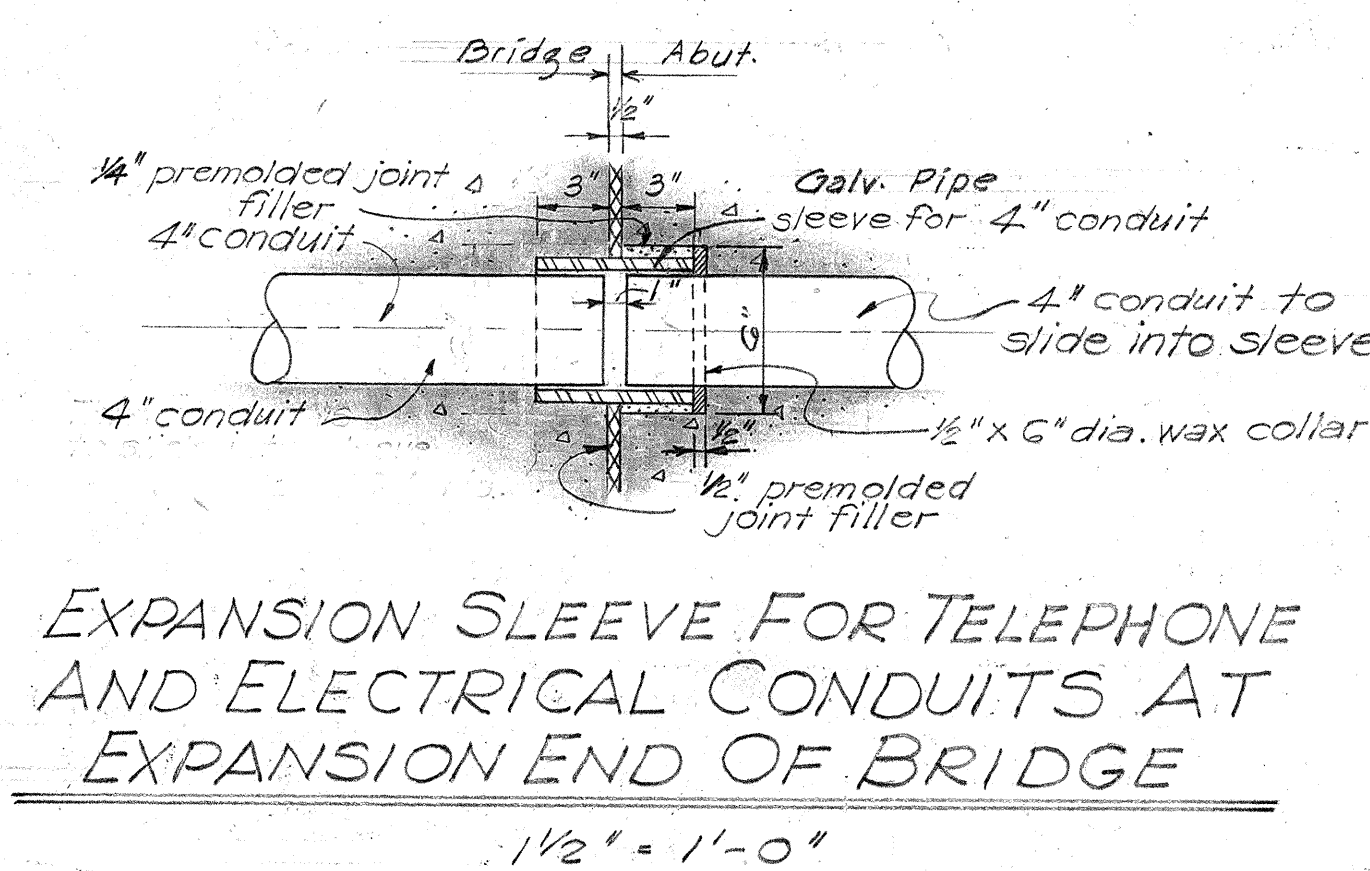
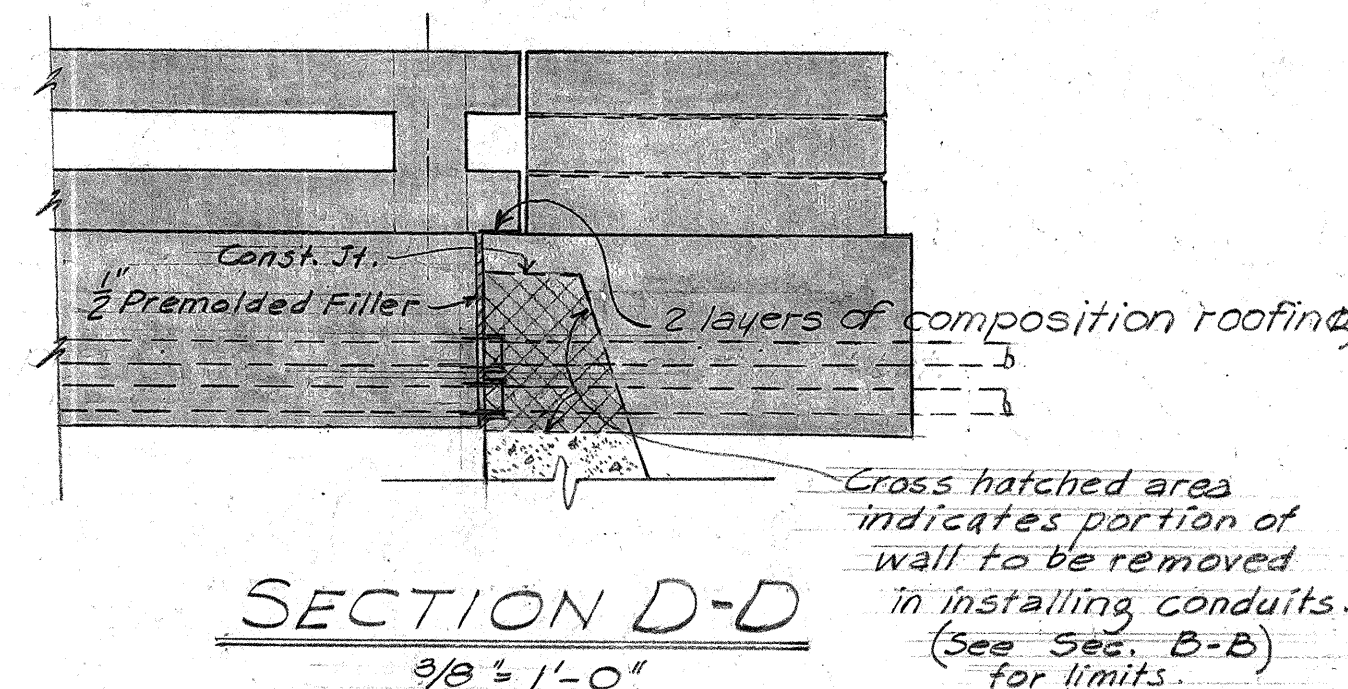
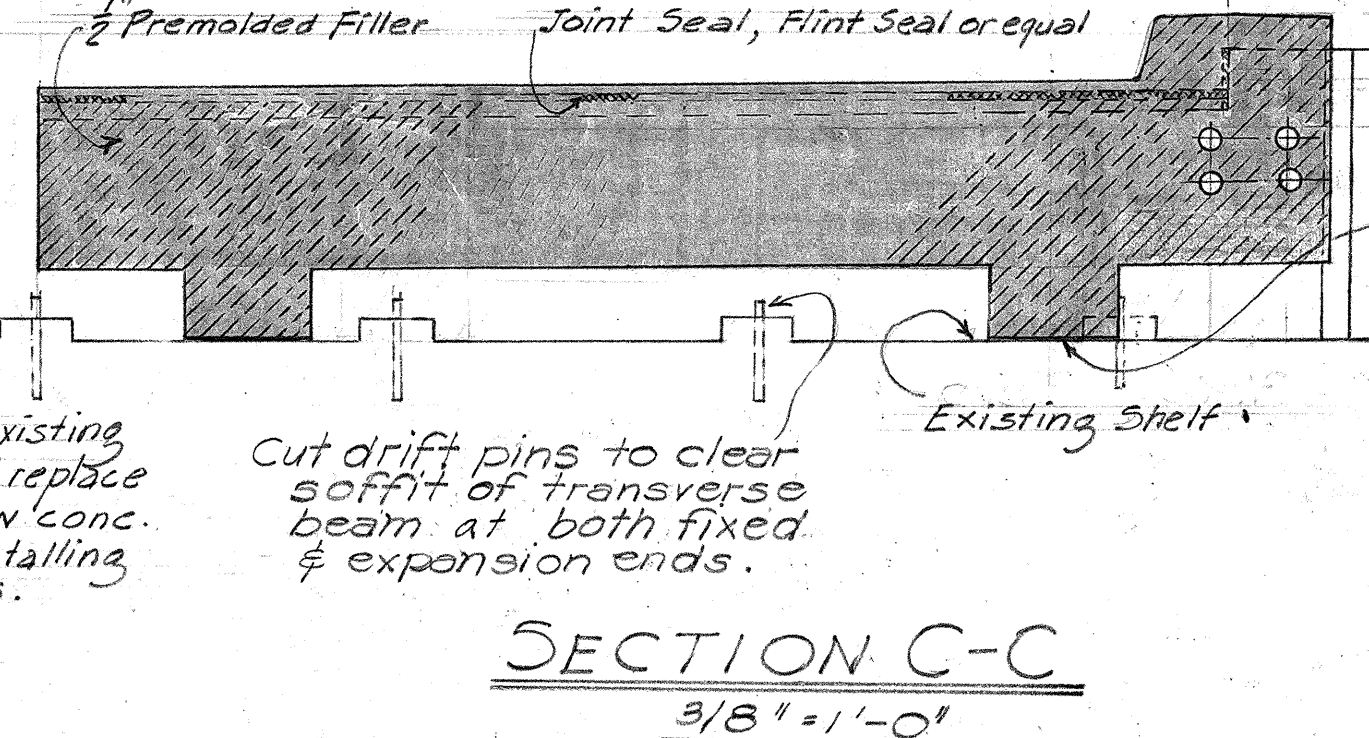
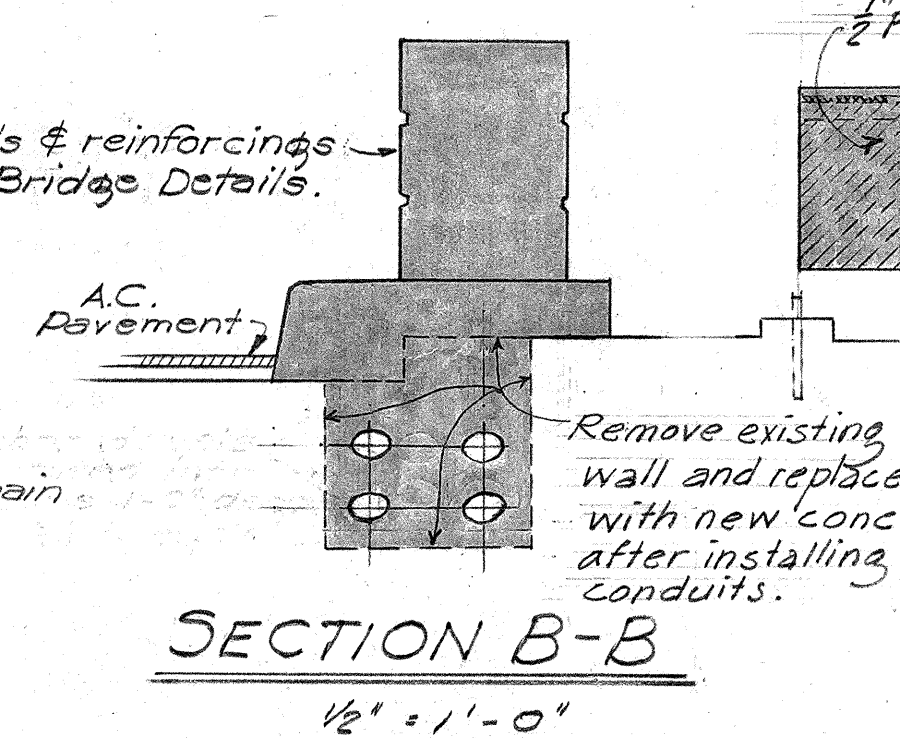
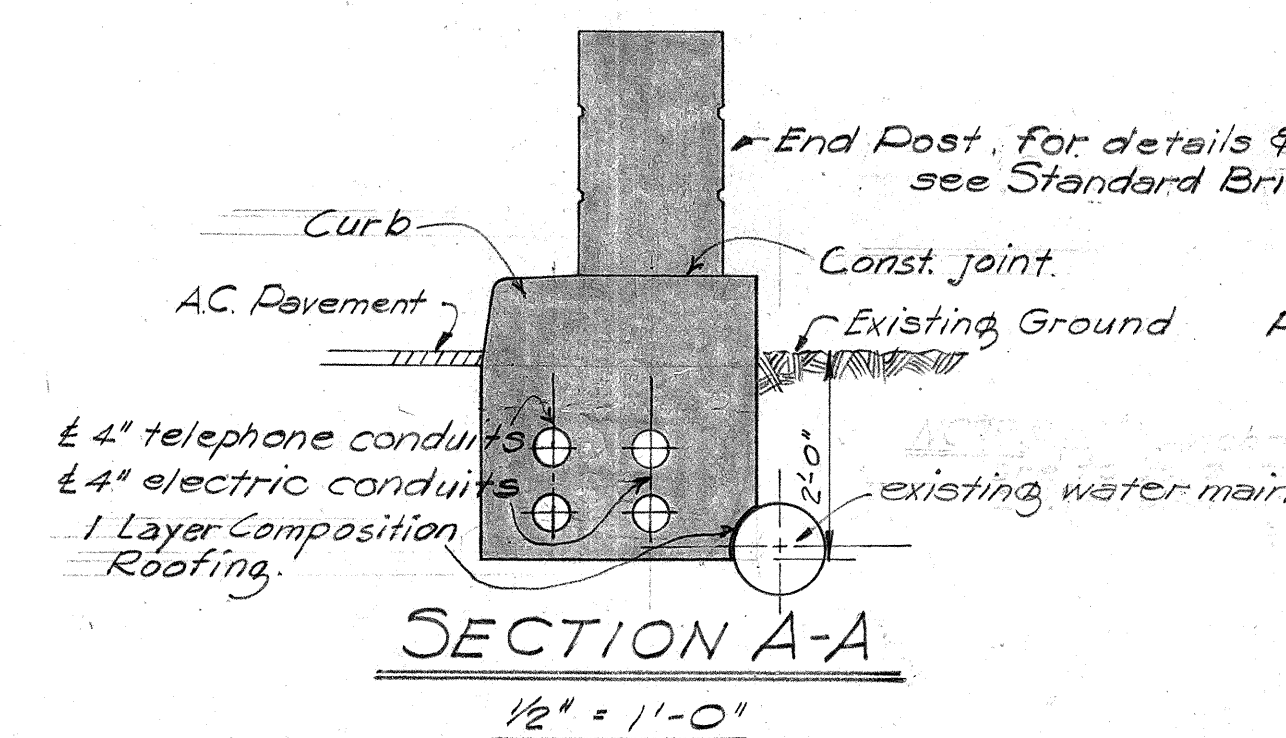
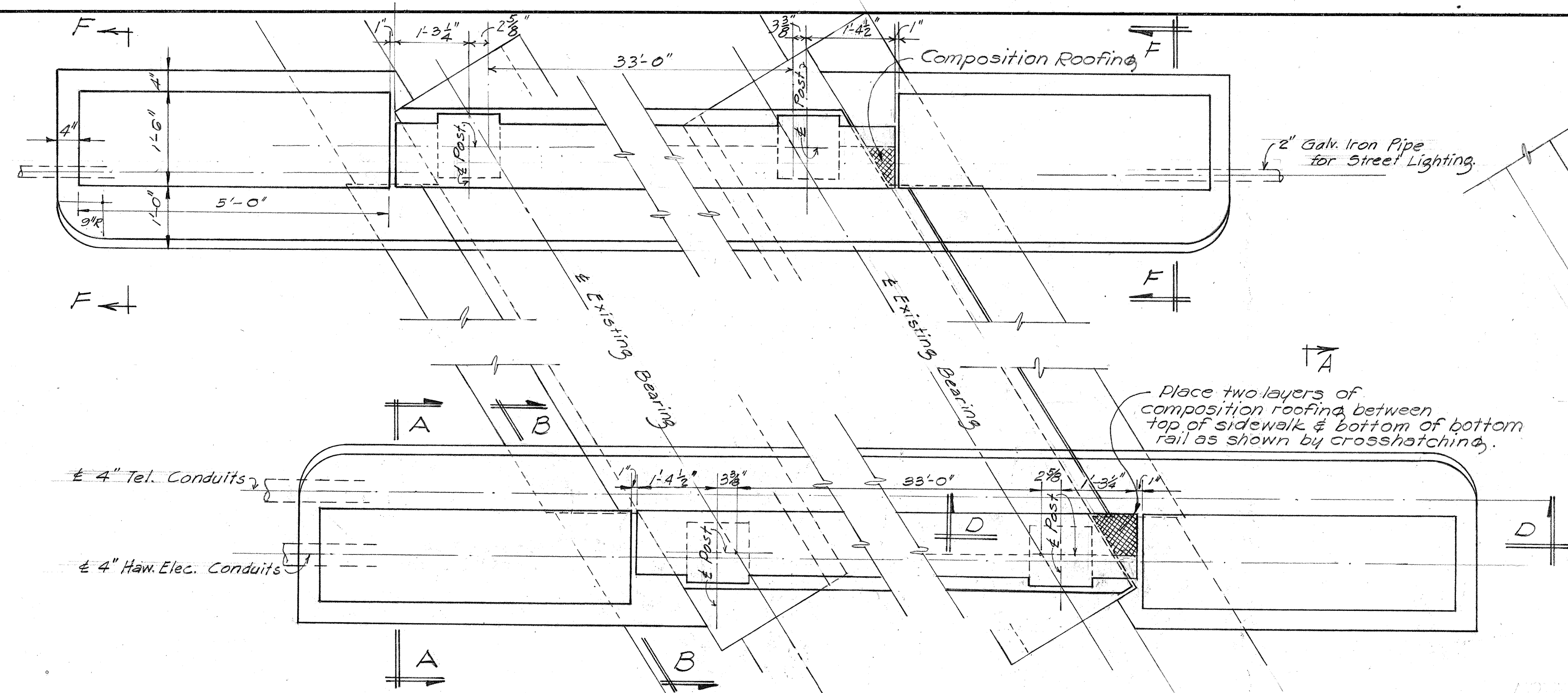


SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
OVERCROSSING
ON
AIEA NAVAL HOSPITAL ACCESS ROAD
Sta. 160+23.85 to Sta. 160+62.15
March, 1952

SHEET NO. 2 OF 3 SHEETS

5595.4



NOTE:
See Sheet #2 for Section E-E

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

OVERCROSSING
ON
AIEA NAVAL HOSPITAL ACCESS RD.
Sta. 100+23.05 to Sta. 160+62.15
March, 1952