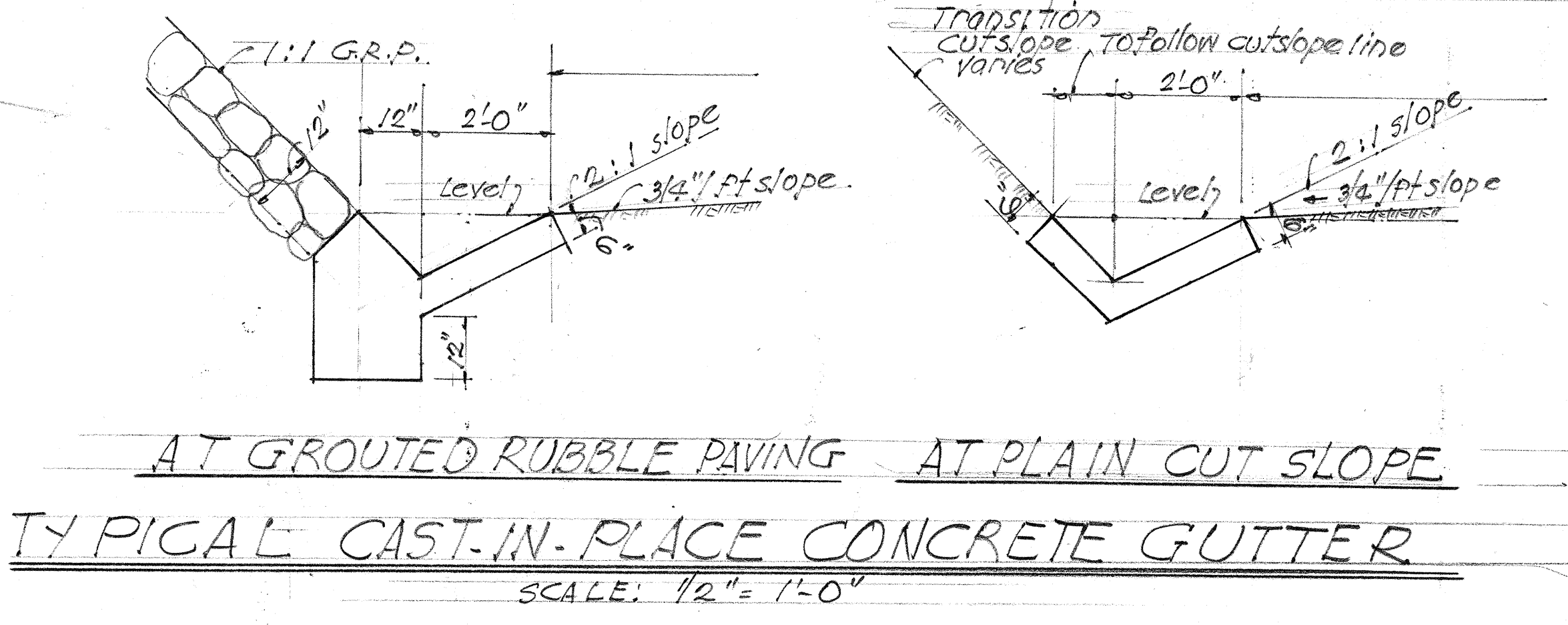
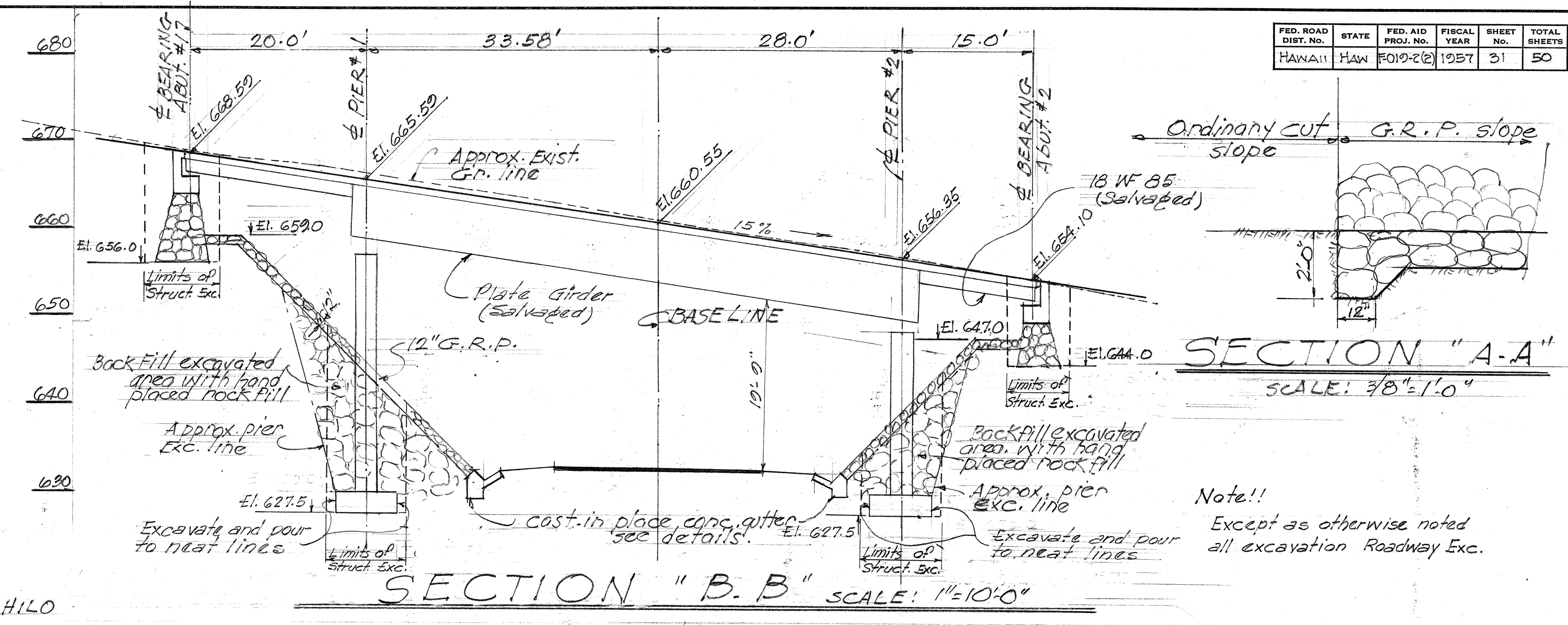
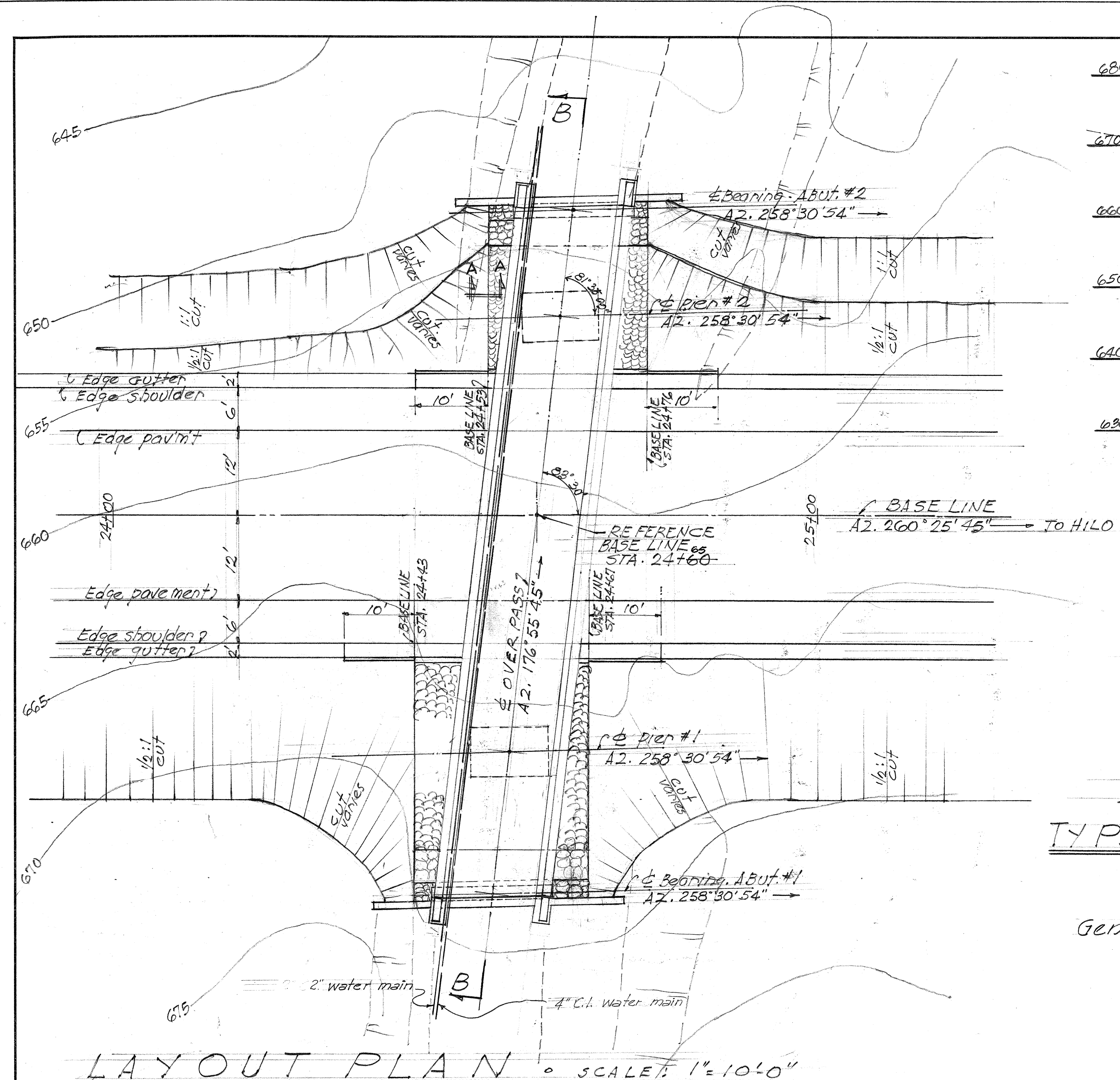




General Notes !!

ESTIMATED QUANTITIES

Class A-1 Conc:	Lump Sum
Reinf Steel:	Lump Sum
Structural Steel:	Lump Sum
Concrete Rubble Masonary:	50 cu. yds.
Grouted Rubble Paving:	69.6 cu. yds.
Structural Excavation:	533.2 cu. yds.
A.C. Paving:	1.6 tons
Bituminous Tackcoat:	32.6 gals.

Materials:

All conc. shall be class A-1.
 Reinf. Steel: See General Notes, Standard Bridge Detail.
 Struct. Steel: Contractor shall furnish all structural steel indicated on the plans as new. Others shall be furnished by the Territorial Highway Department. They are stockpiled at Territorial Highway Department Yard in Nahaia.

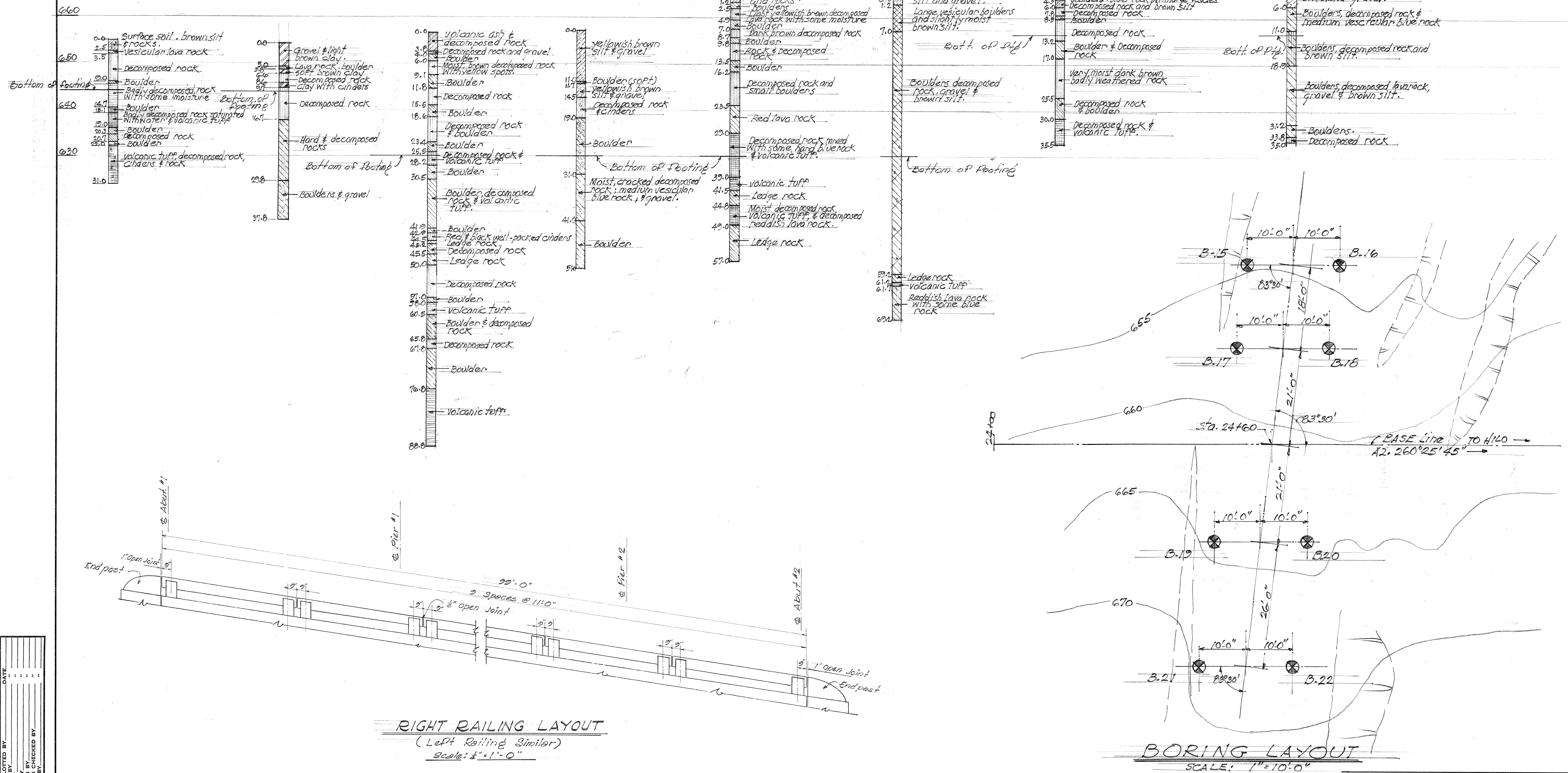
Construction Methods:

- Welding.
Surface within 2 inches of any weld location shall be free from any paint or objectionable matter.
- Backfill at abutments.
Backfill at abutments shall be completed prior to placing of superstructure.
- Conc. Finish.
All surface of railings, railing posts, end posts, and face of curbs shall have class (2) surface finish.
- Painting of structural steel.
See Special Provisions.
- Existing Rivet Holes.
All rivet holes on structure shall be plug welded and ground smooth.

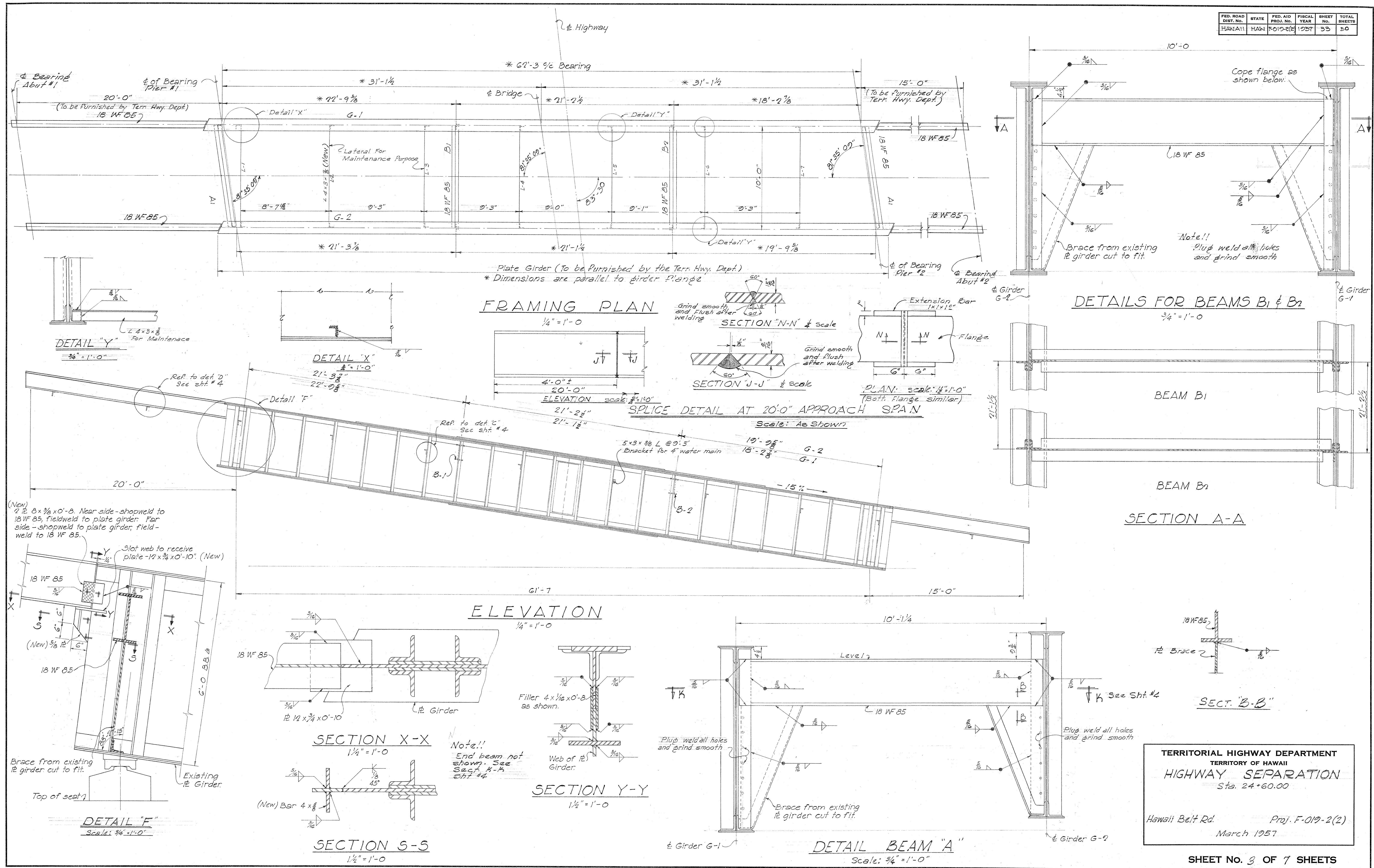
TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
HIGHWAY SEPARATION
 Sta. 24+60.00
 Hawaii Belt Rd. Proj F-019-2(2)
 March 1957

DATE: _____
 SURVEY PLOTTED BY: _____
 DESIGNED BY: _____
 DRAWN BY: _____
 QUANTITIES CHECKED BY: _____
 NOTE BOOK NO. _____
 CHECKED BY: _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW	F019-2(2)	1957	32	50



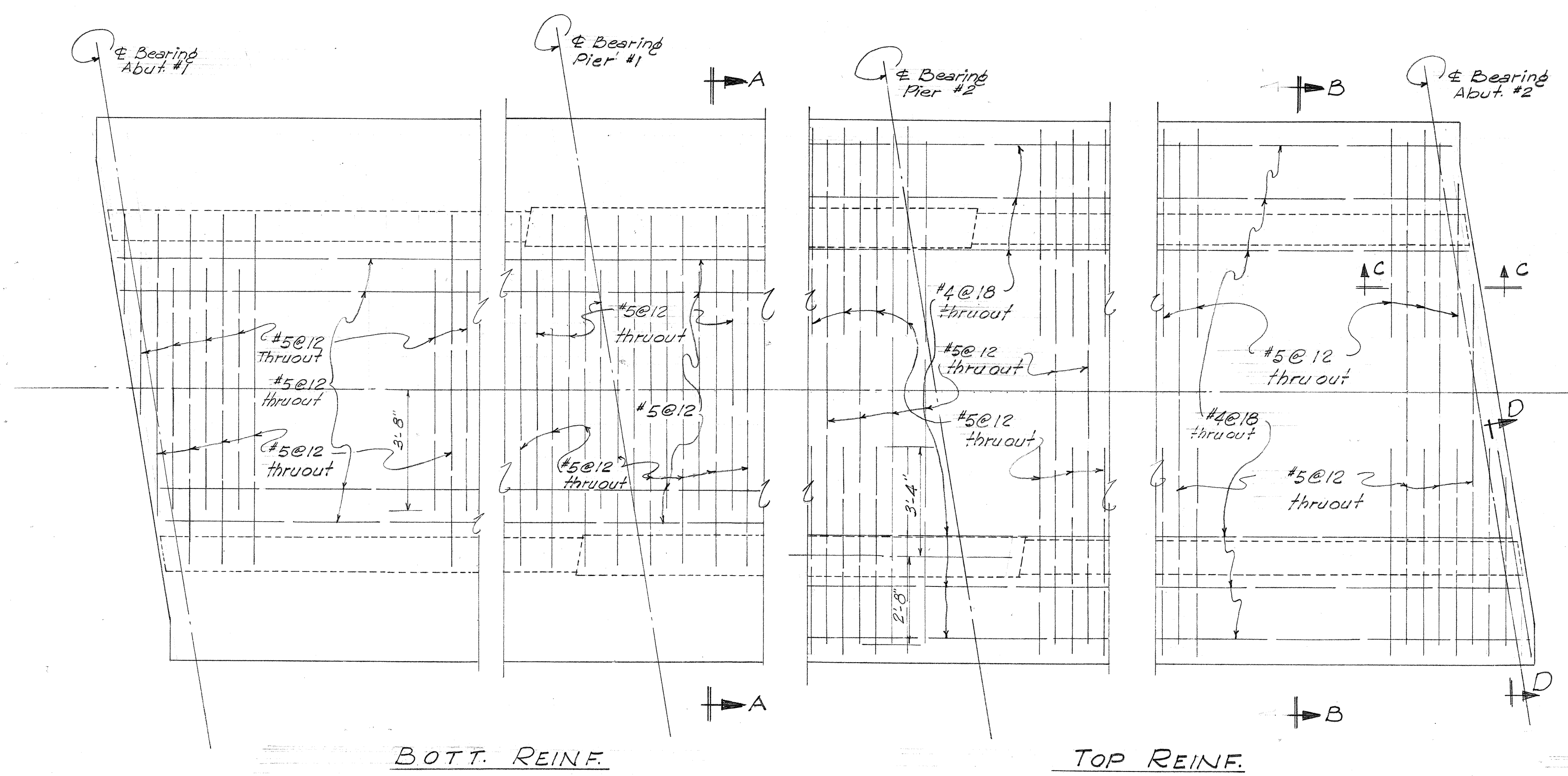
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	F-019-2(2)	1957	33	50



TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
HIGHWAY SEPARATION
 Sta. 24+60.00
 Hawaii Belt Rd. Proj. F-019-2(2)
 March 1957

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
No.	

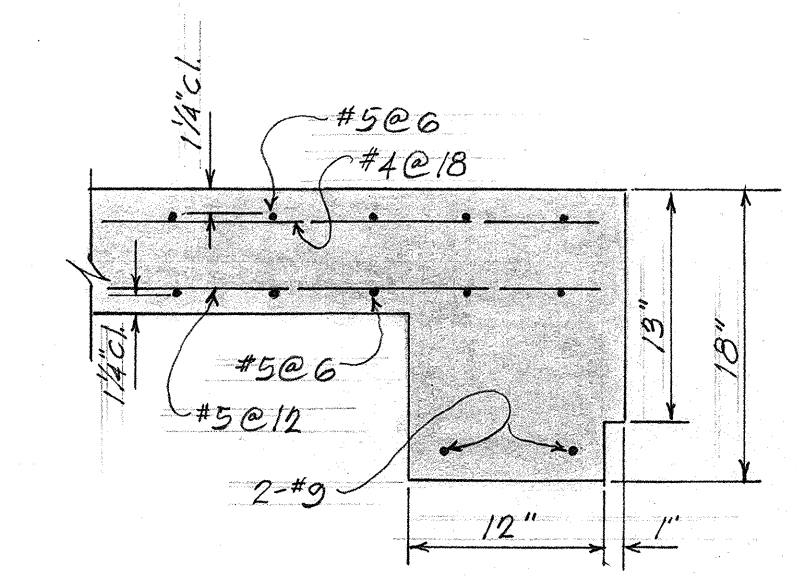
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HAWAII	HAW	F019-2(2)	1957	34	50



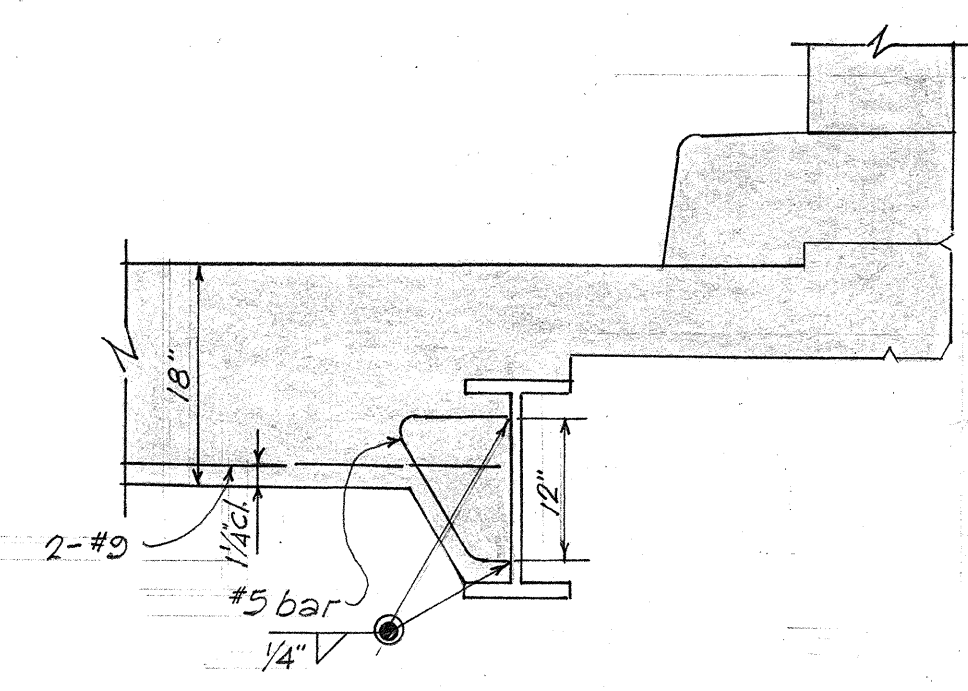
BOTT. REINF.

TOP REINF.

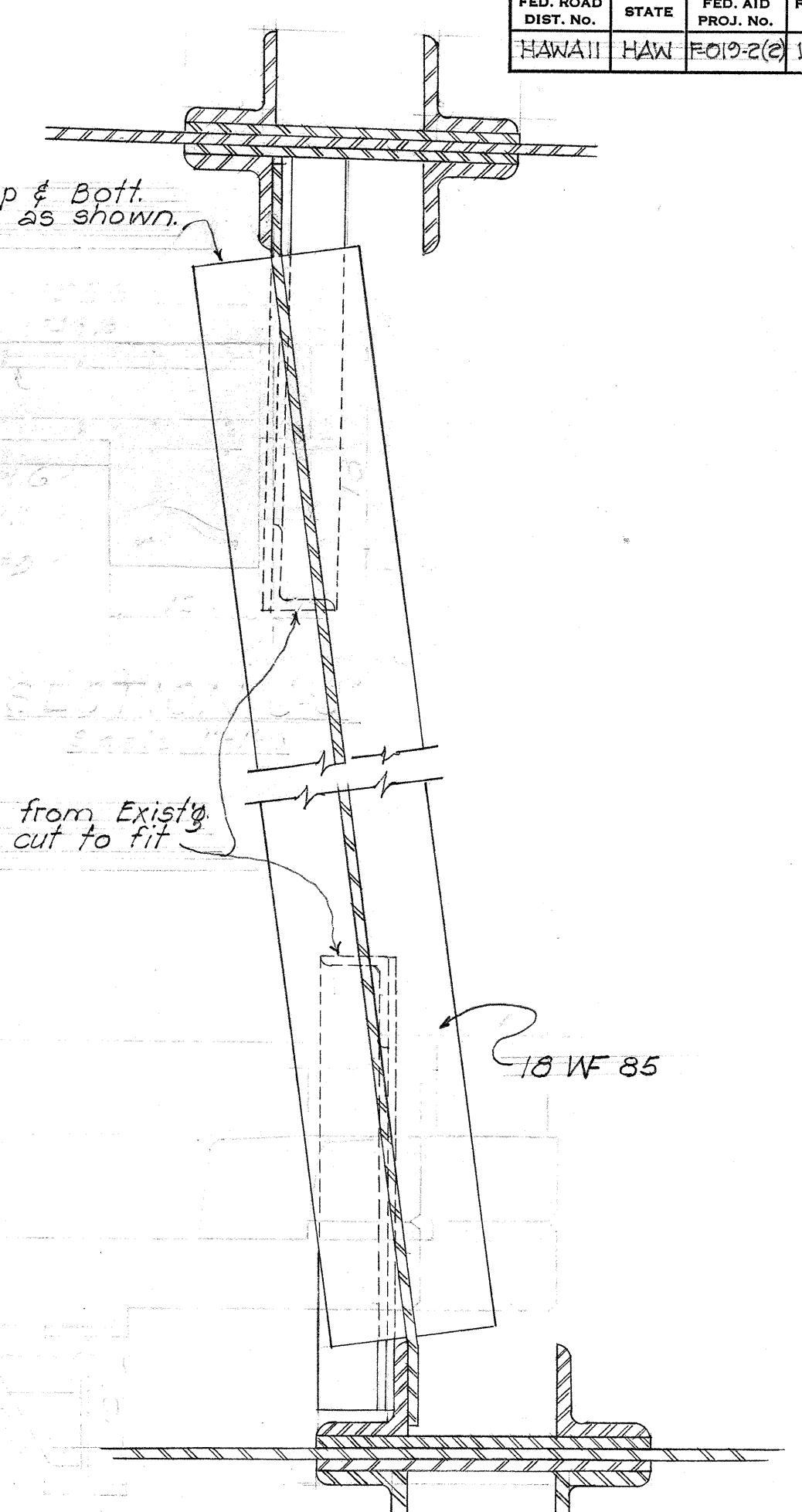
DECK REINF.
Scale: $\frac{3}{8}$ " = 1'-0"



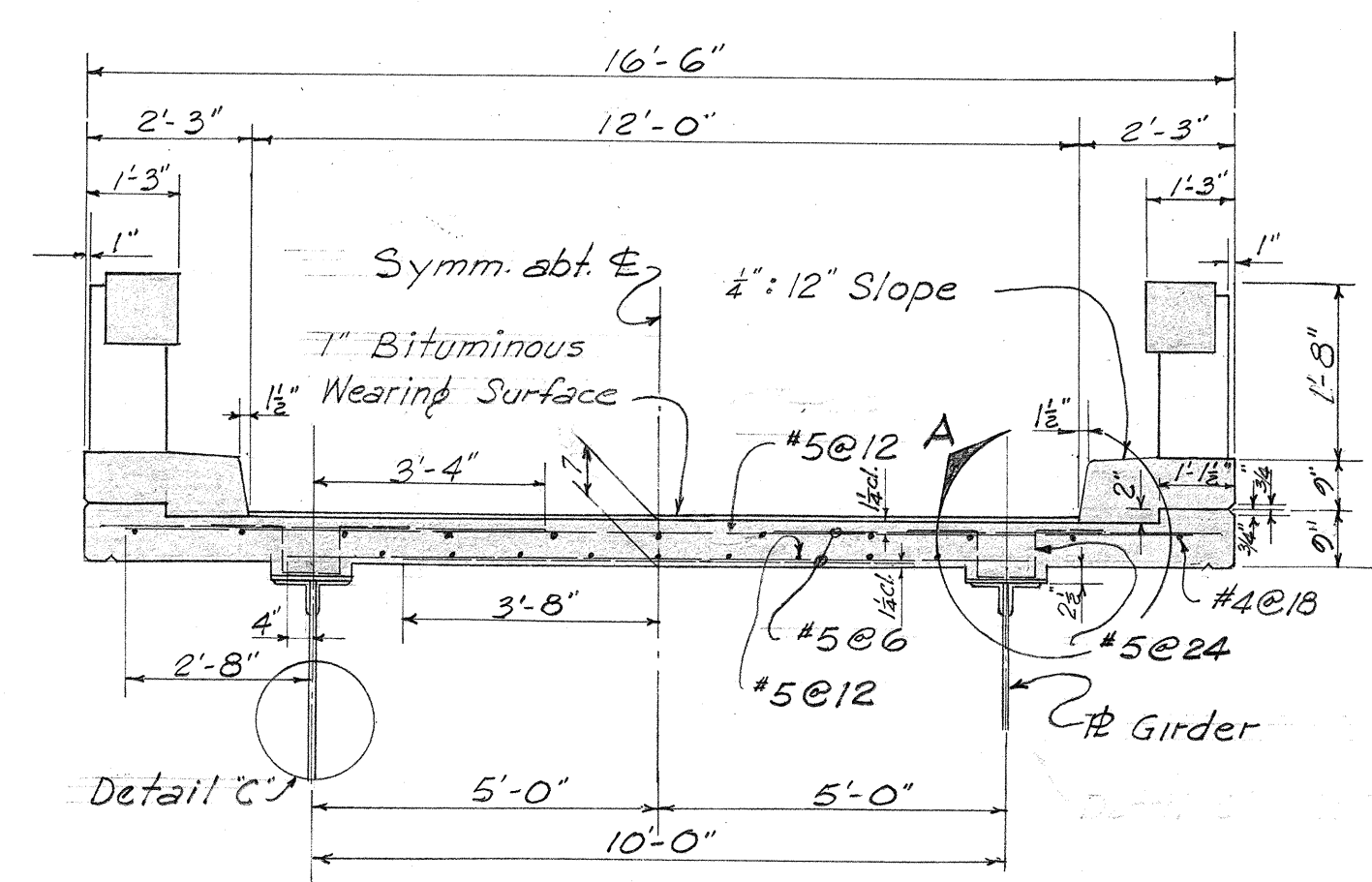
SECTION C-C
Scale: 1" = 1'-0"



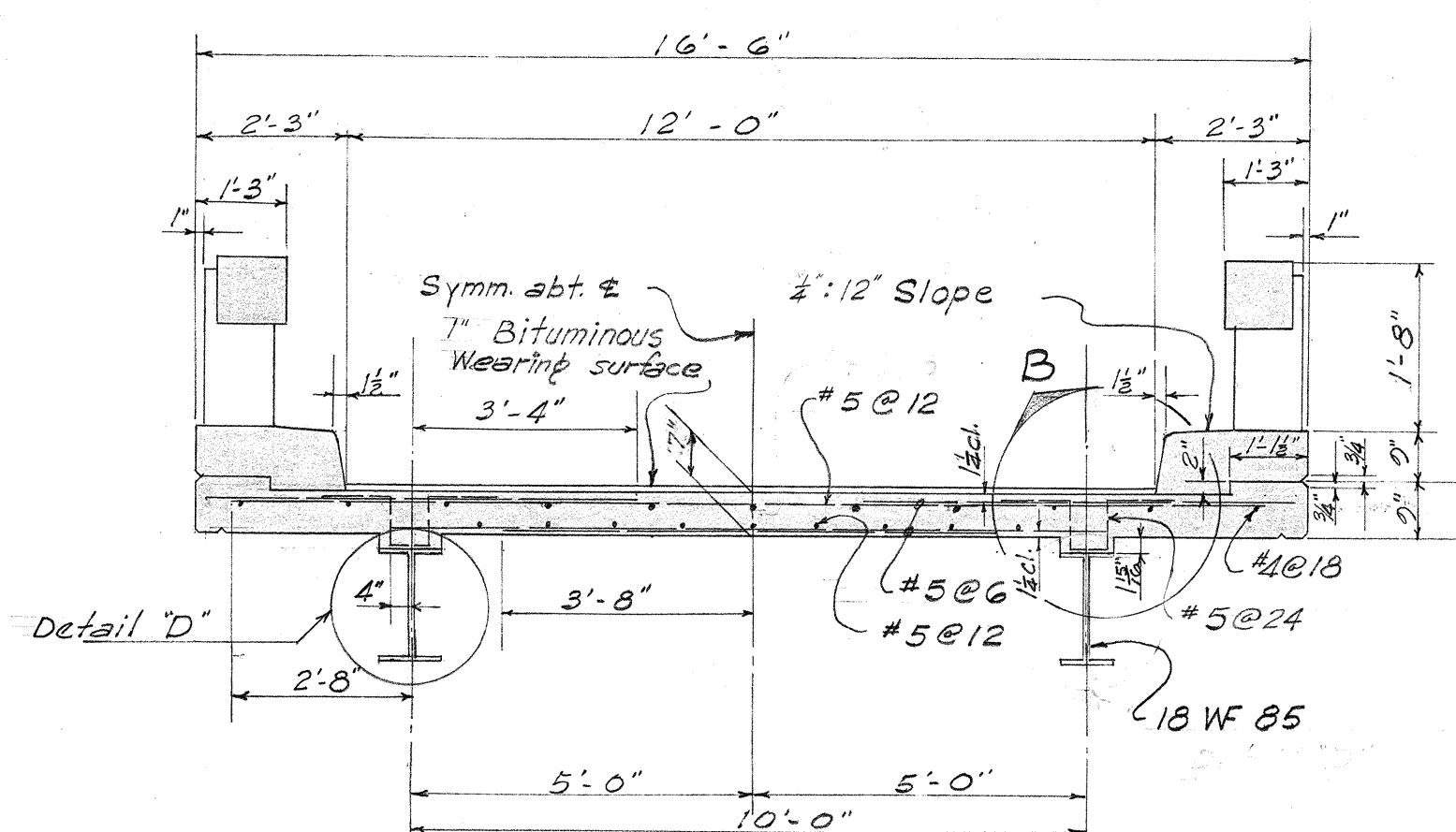
SECTION D-D
Scale: $\frac{3}{4}$ " = 1'-0"



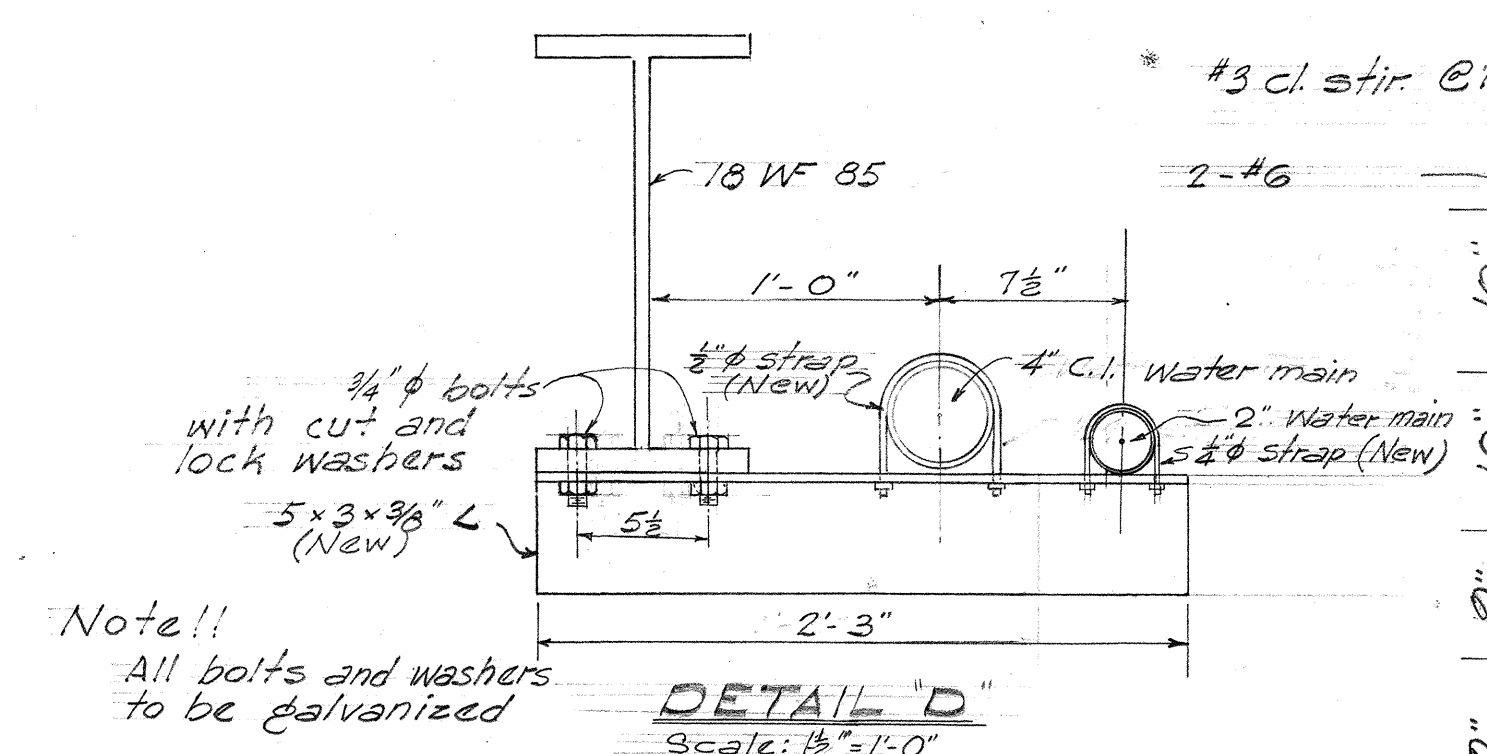
SECTION K-K (Sht. #3)
Scale: 1" = 1'-0"



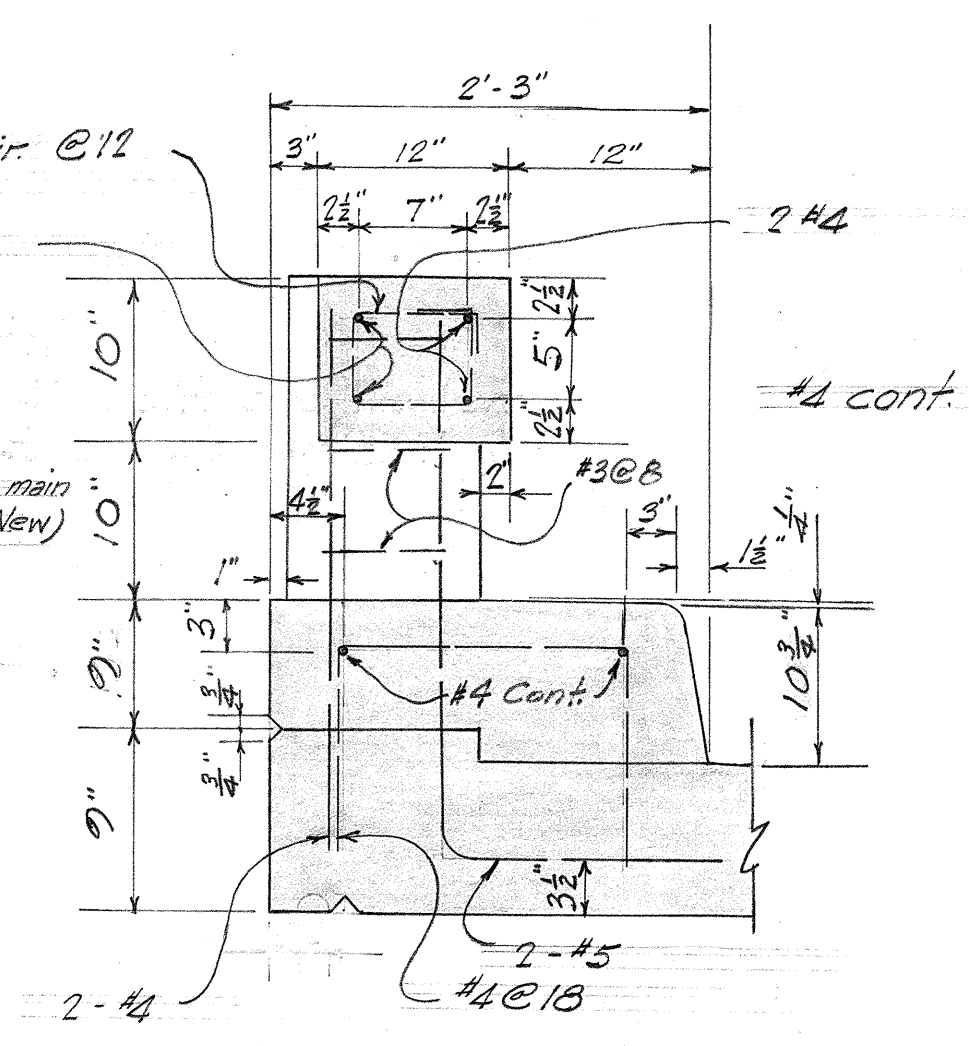
NORMAL SECTION A-A
Scale: $\frac{3}{8}$ " = 1'-0"



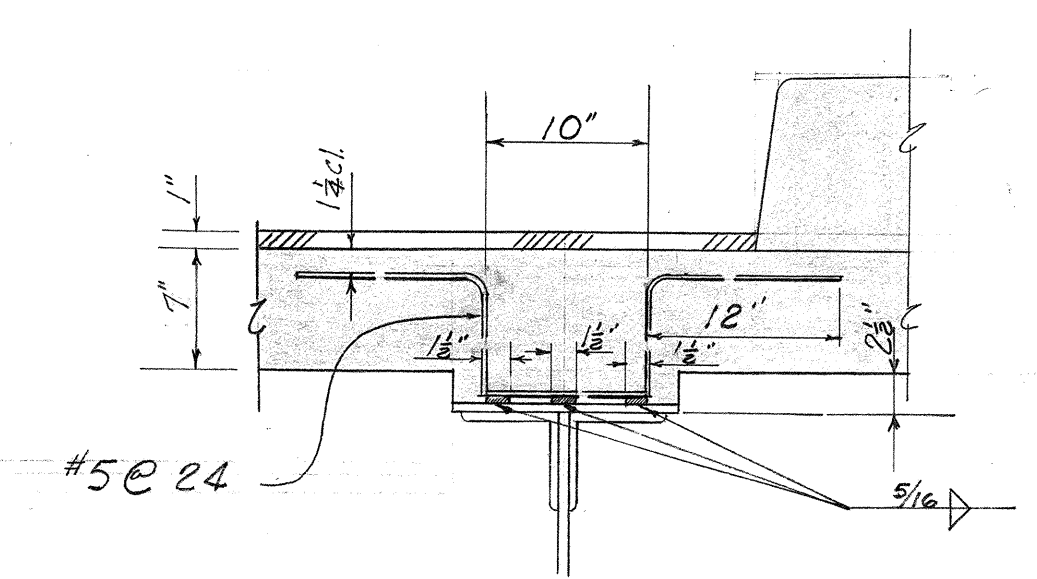
NORMAL SECTION B-B
Scale: $\frac{3}{8}$ " = 1'-0"



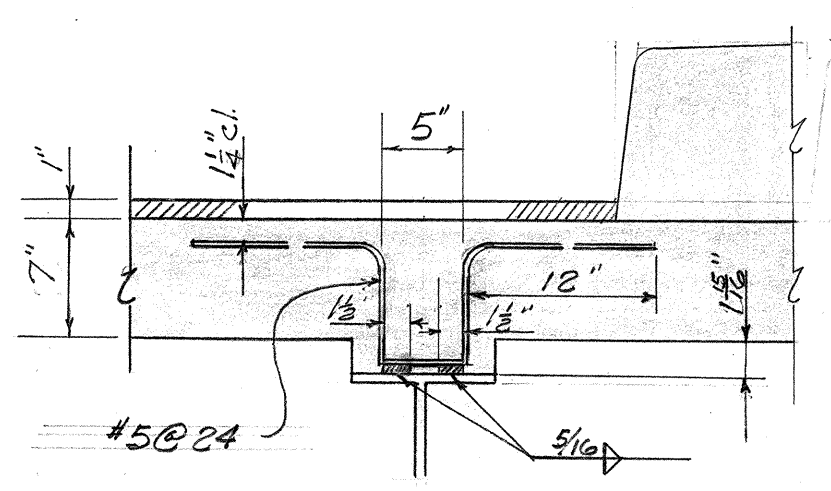
DETAIL D
Scale: $\frac{1}{2}$ " = 1'-0"



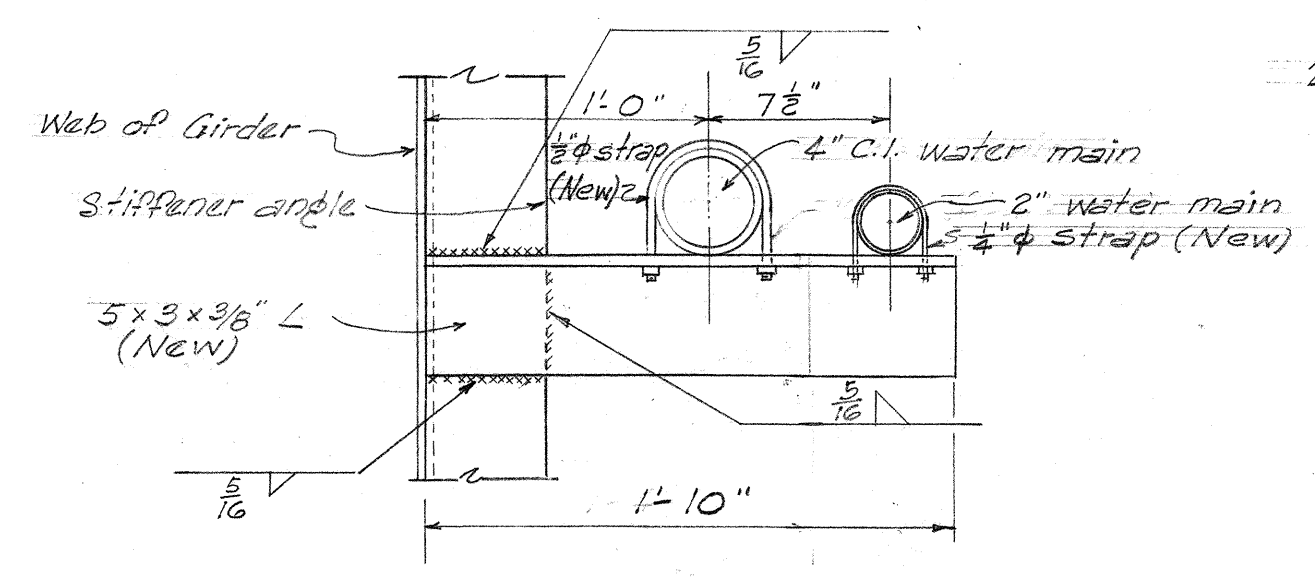
RAILING DETAIL
Scale: 1" = 1'-0"



DETAIL A
Scale: 1" = 1'-0"



DETAIL B
Scale: 1" = 1'-0"



DETAIL C
Scale: $\frac{1}{8}$ " = 1'-0"

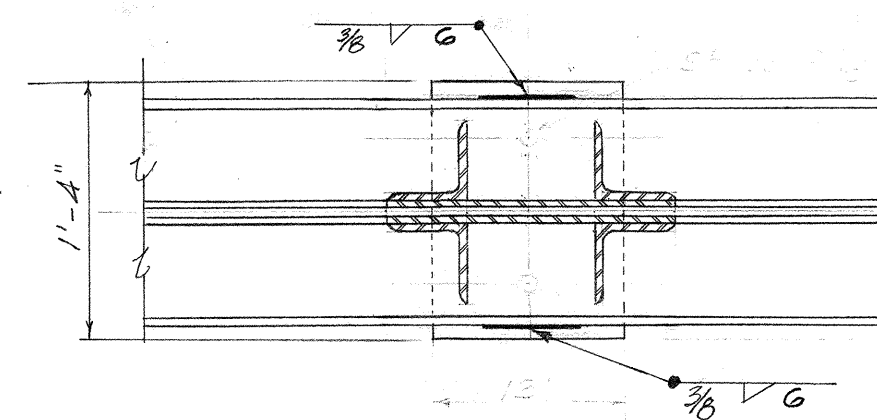
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY SEPARATION
Sta. 24+60.00
Hawaii Belt Rd. Proj. F-019-2(2)
February 1957

SURVEY PLOTTED BY: DATE: _____
DRAWN BY: _____
CHECKED BY: _____
NOTE BOOK No. _____

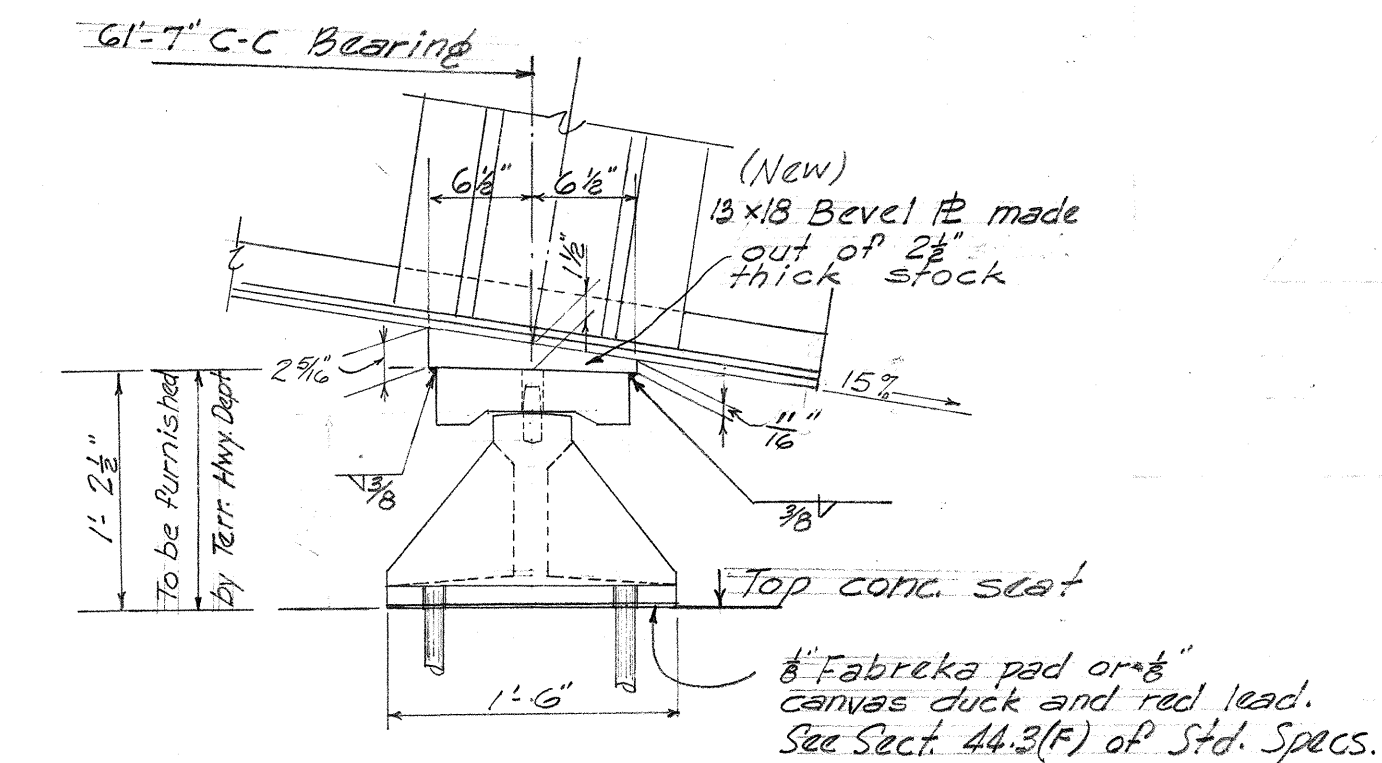
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW	F-019-2(2)	1957	36	50

TREATMENT OF BEARING

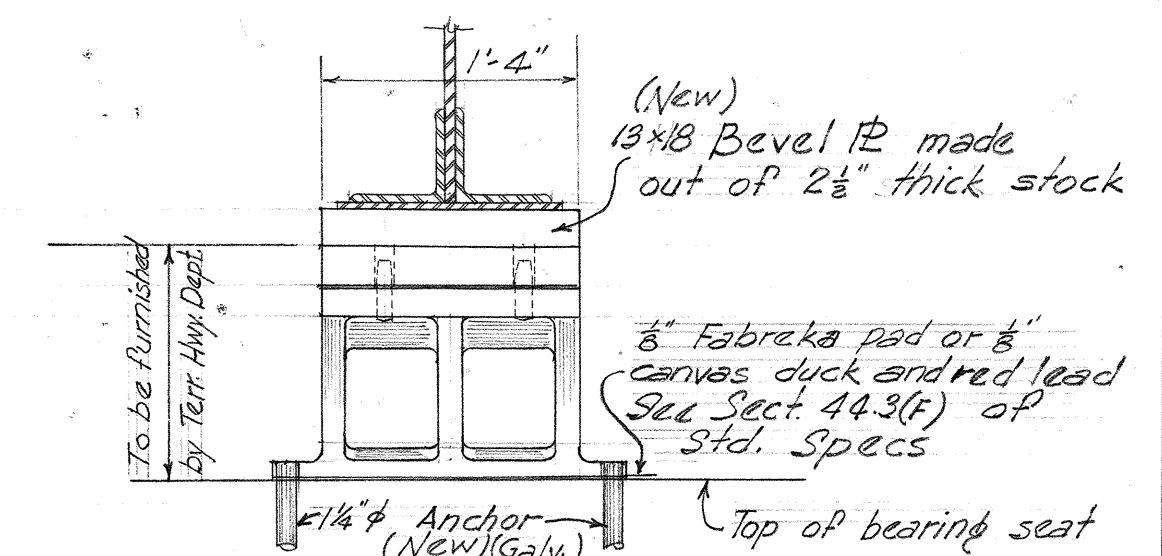
Bottom face of sole plate and top face of masonry plate of all bearings and curved surface of roller for expansion bearings shall be coated with a hot mixture of white lead and tallow in the shop. In the field a heavy coat of "NO. 0X-ID-A Special" or equal shall be applied to the same surfaces. All other surfaces shall be painted. See Special Provisions.



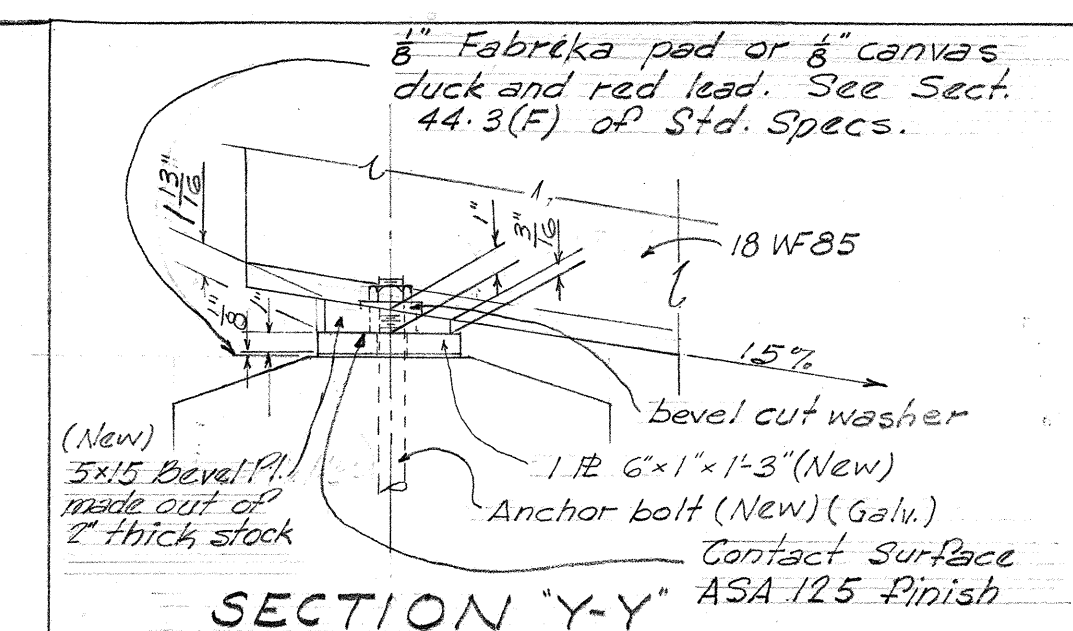
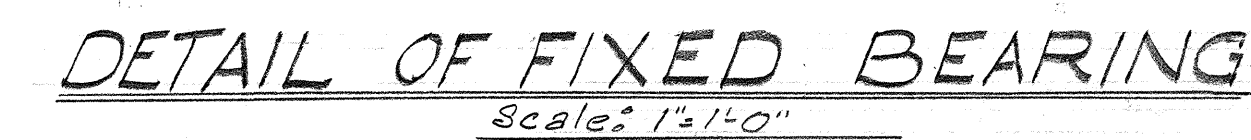
PLAN OF CONNECTION BET.
GIRDER & BEVEL PLATE



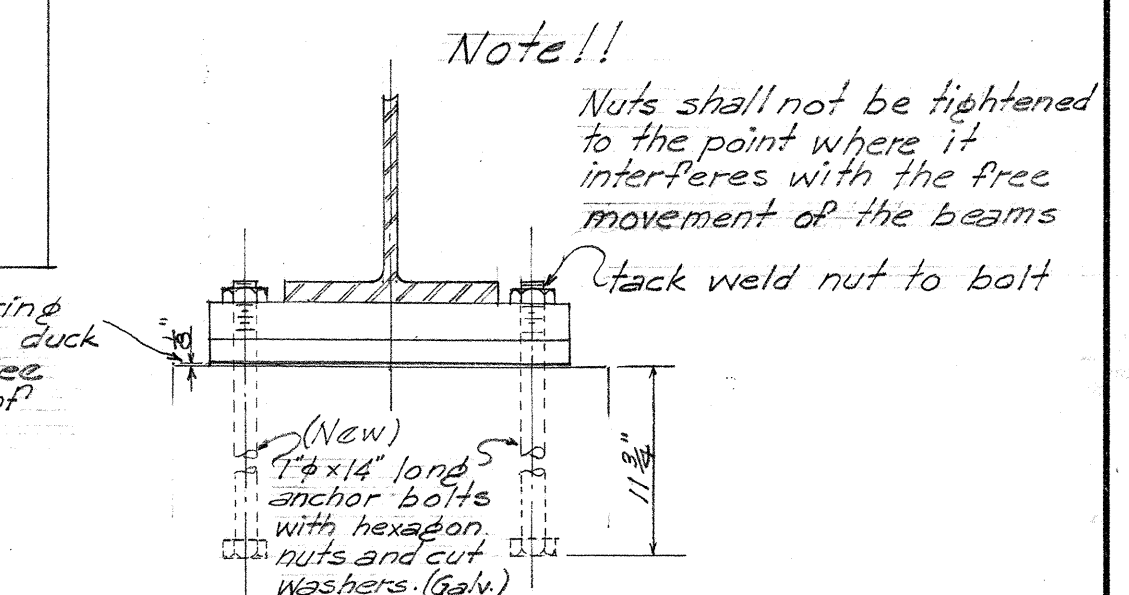
SIDE ELEVATION



FRONT ELEVATION



SECTION "Y-Y" ASA 125 Finish



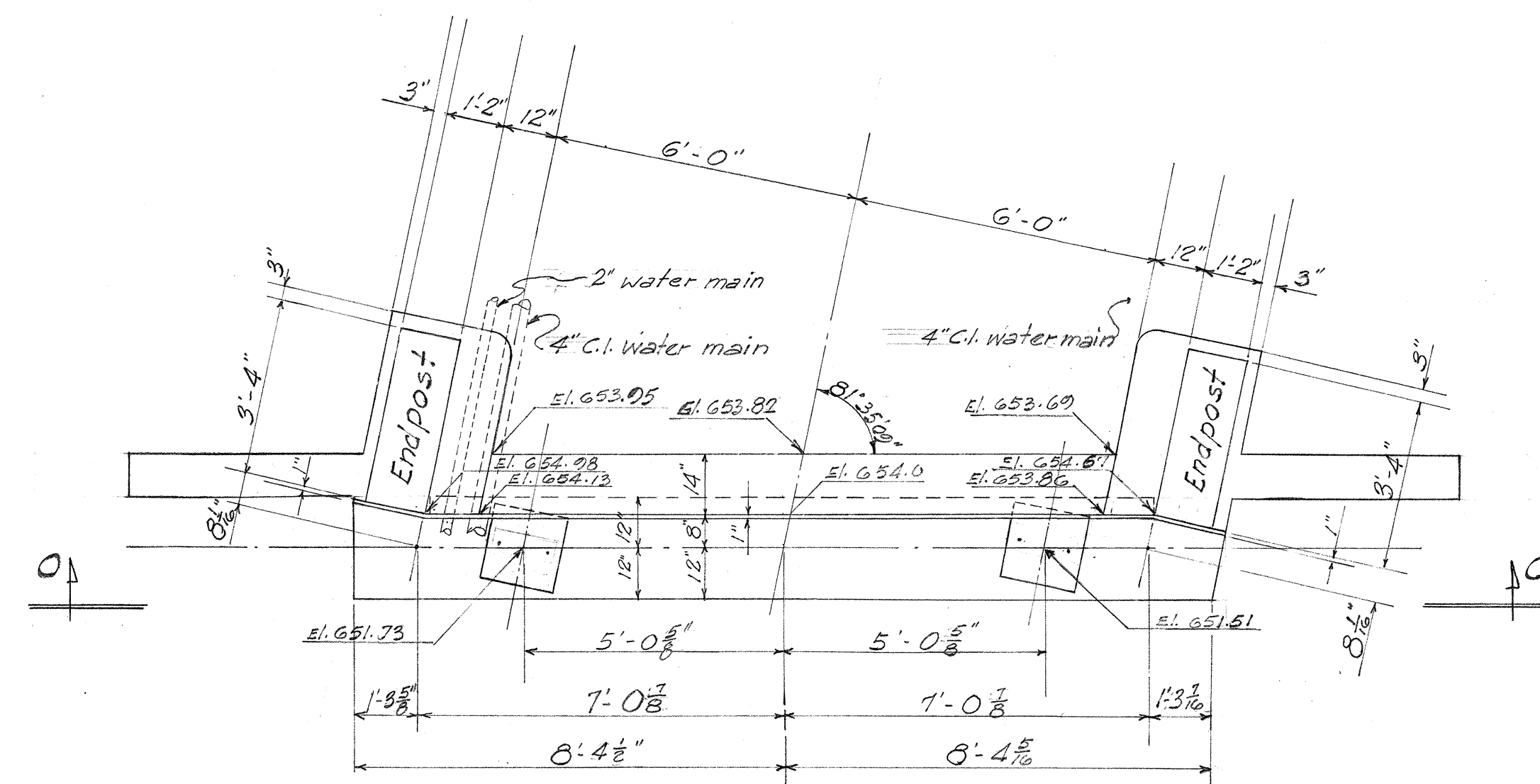
SECTION "X-X"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY SEPARATION
Sta 24+60.00

Hawaii Belt Rd. Proj. F-019-2(2)

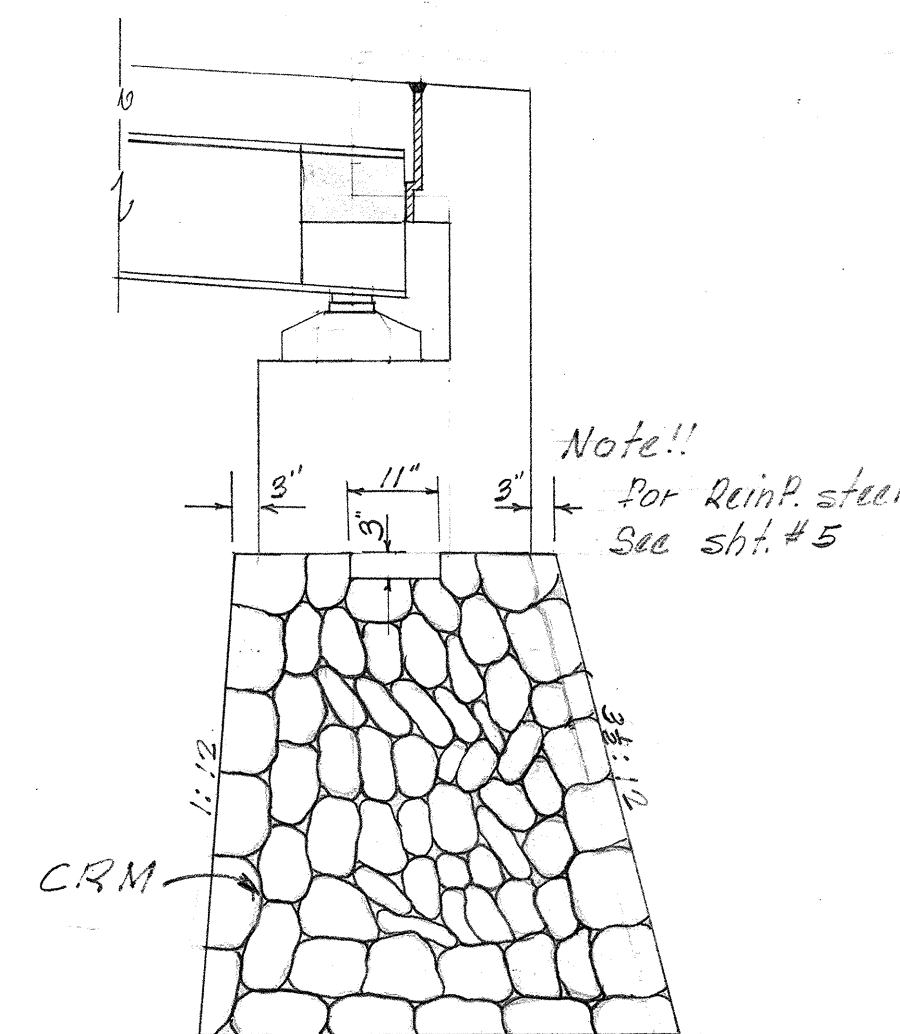
March 1957

SHEET No. 6 OF 7 SHEETS



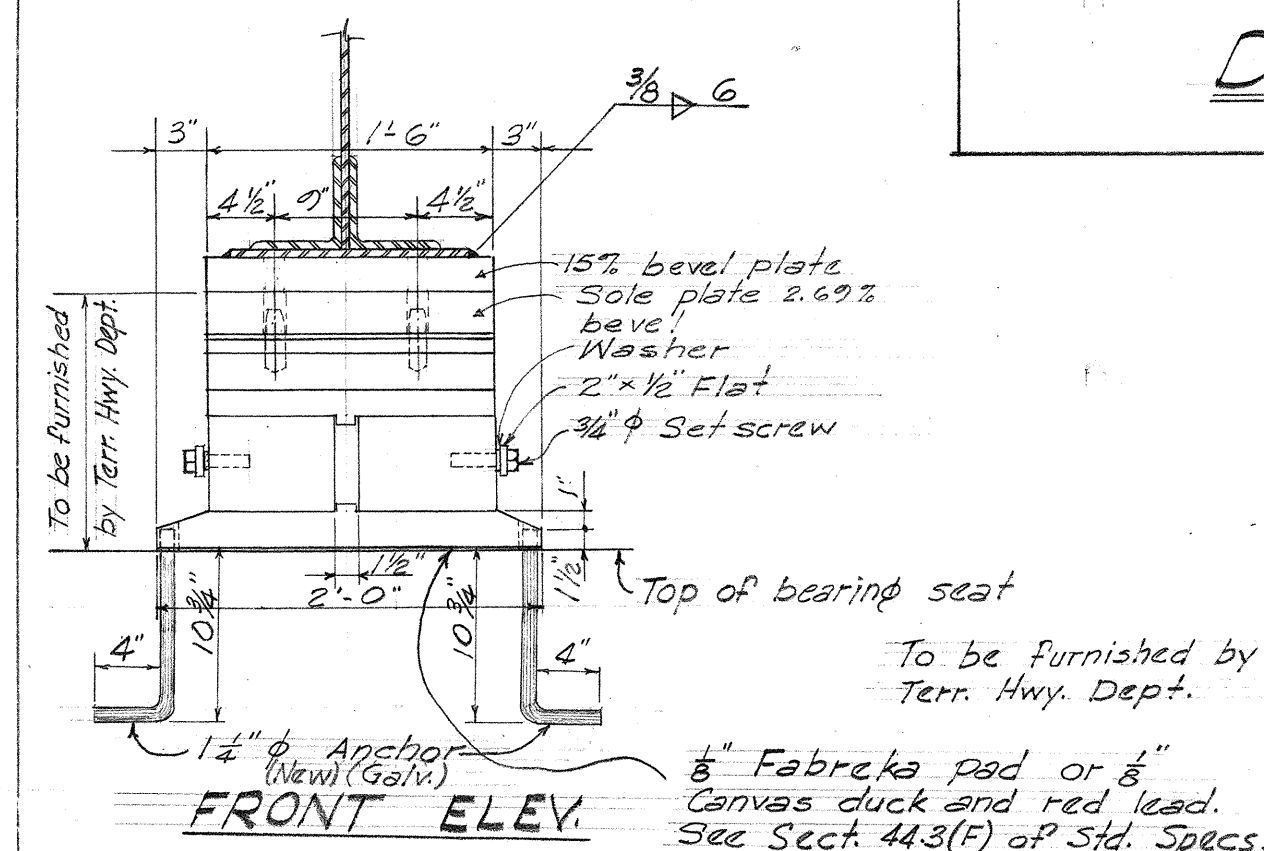
PLAN~ABUTMENT #2

Scale: $\frac{m}{pc} = 1:0$

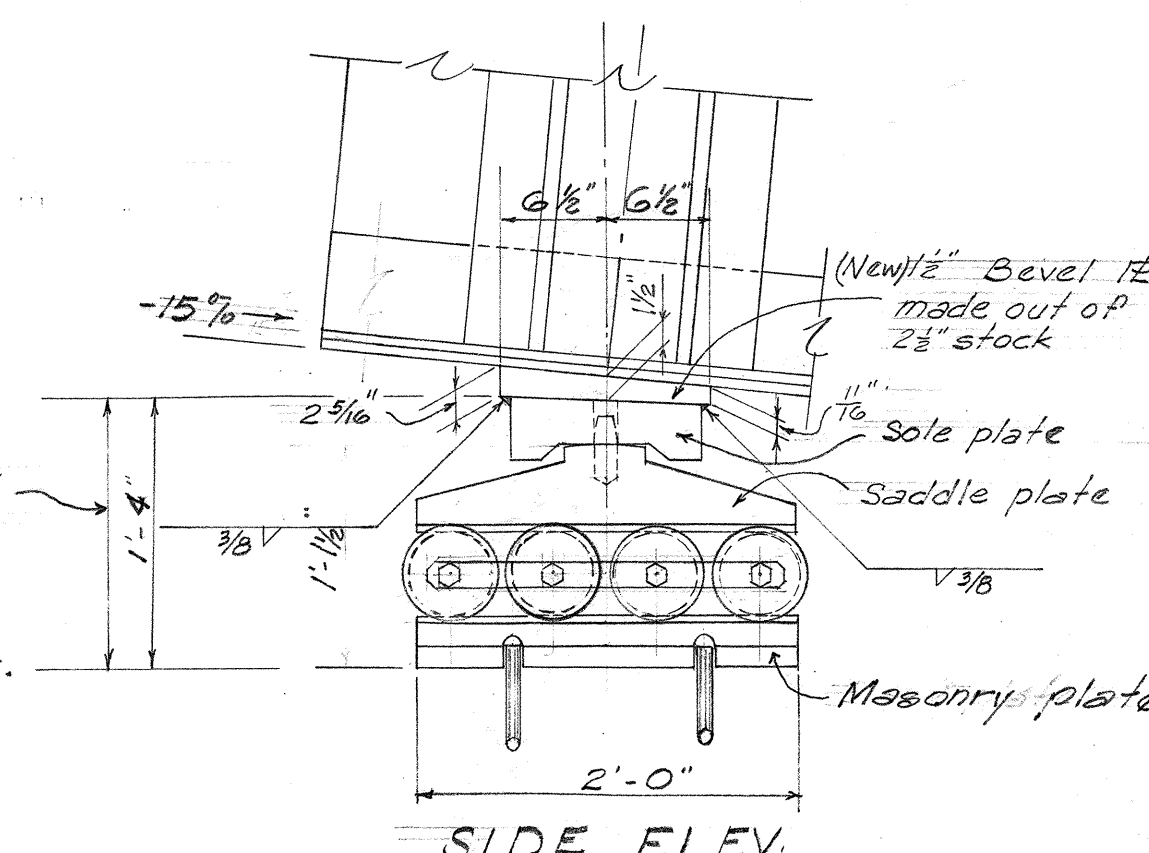


SECTION C-C'

Scale: $\frac{1}{2}" = 1'-0"$



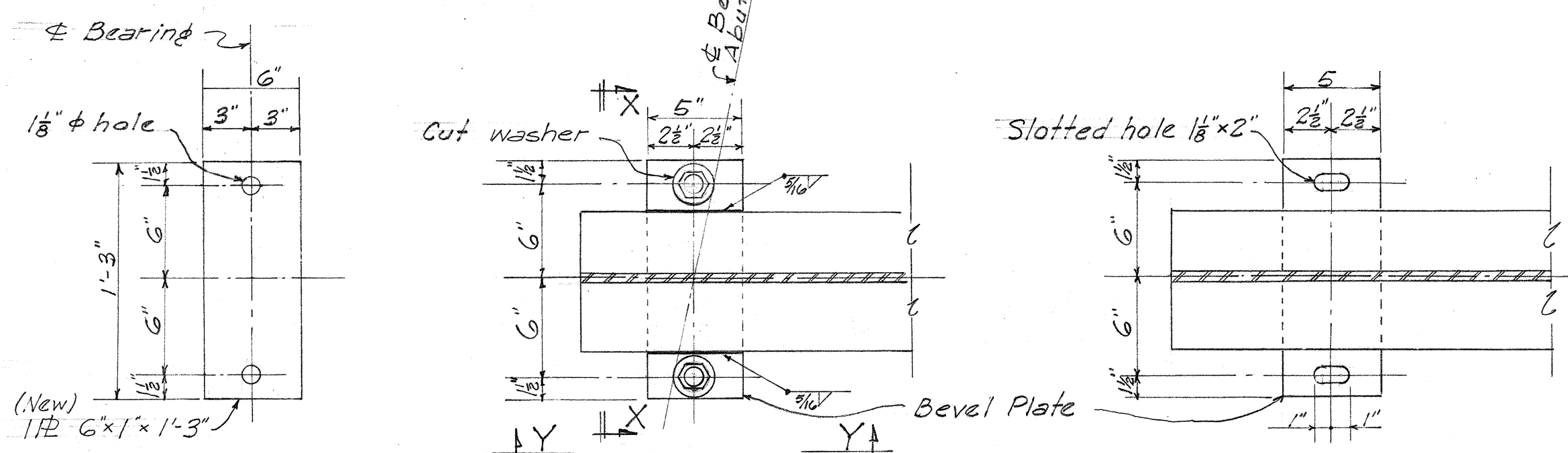
FRONT ELEV.



SIDE ELEV

DETAILS OF EXPANSION BEARING

Scale: 1" = 1'-0"



PLAN - MASONRY, 1 PLATE

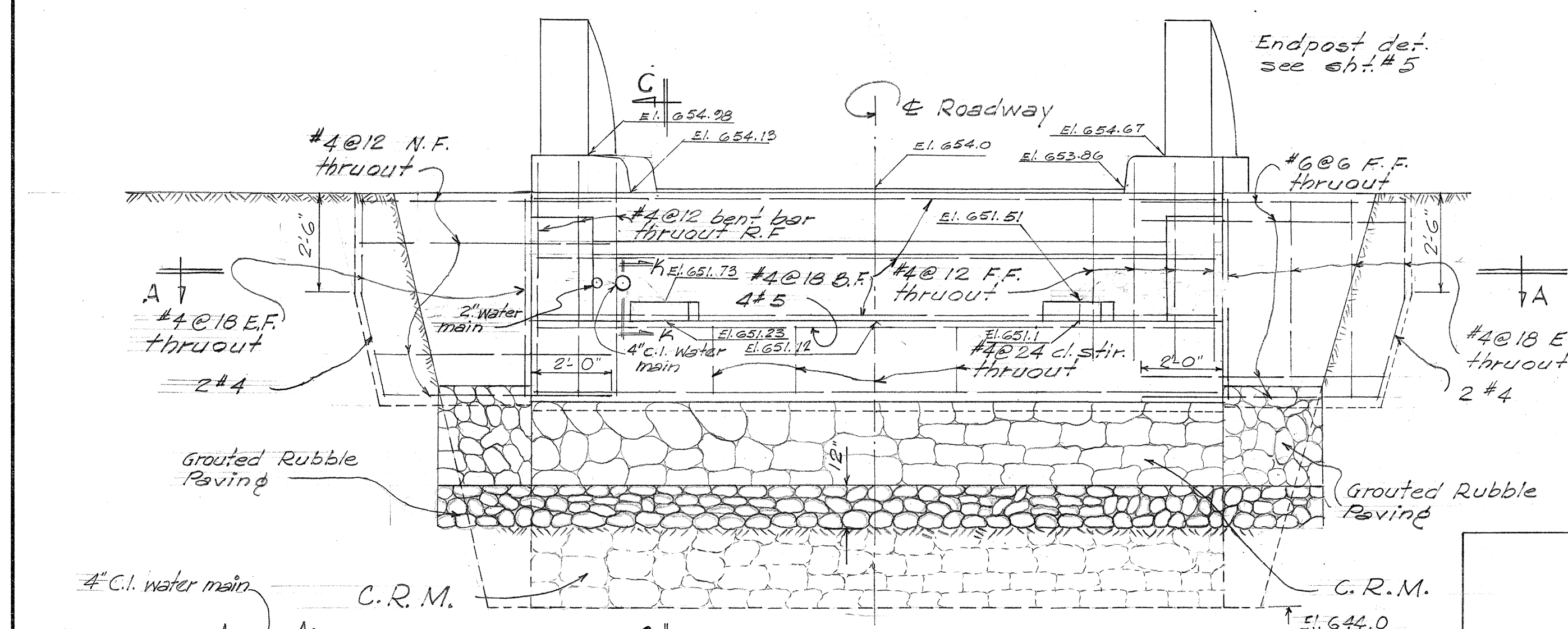
BEARING PLAN

PLAN~BEVEL PLATE

BEARING DETAIL ~ ABUT.

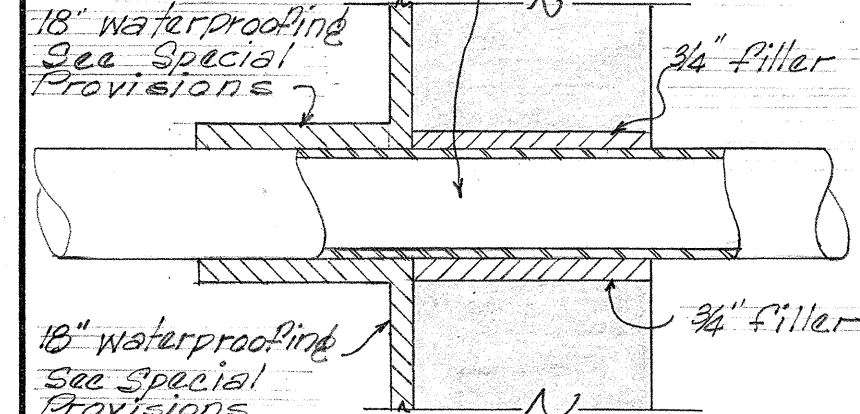
(Abut. #2 Similar

Scale: $1\frac{1}{2}" = 1'-0"$



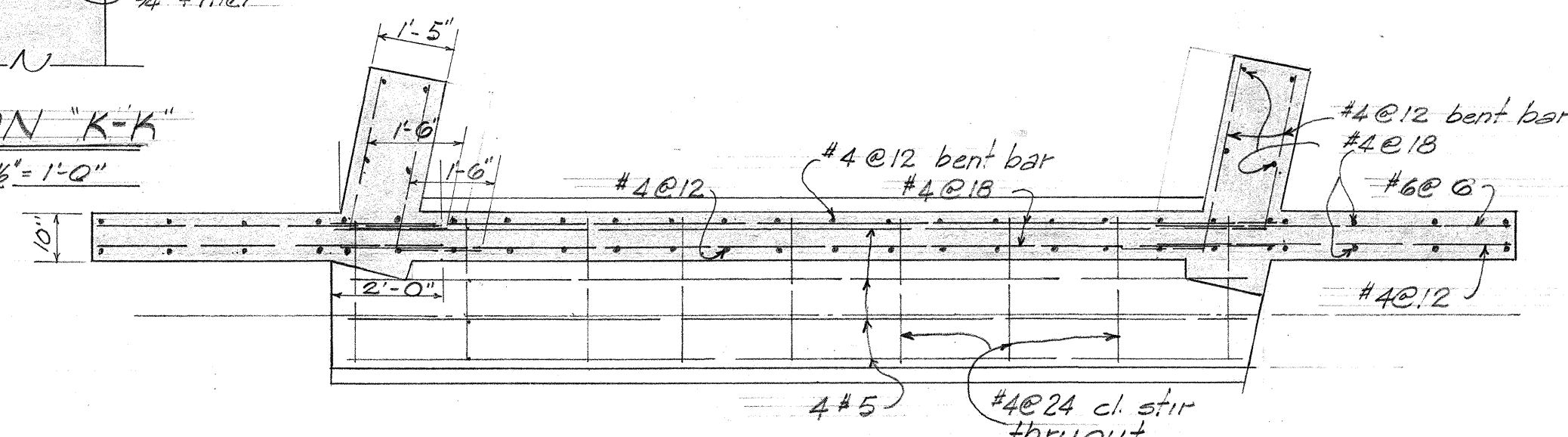
ELEVATION "O-O" ABUTMENT #2

Scale: $\frac{1}{8}'' = 1'-0''$



SECTION "K-K"

Scale: $1\frac{1}{2}" = 1'-0"$

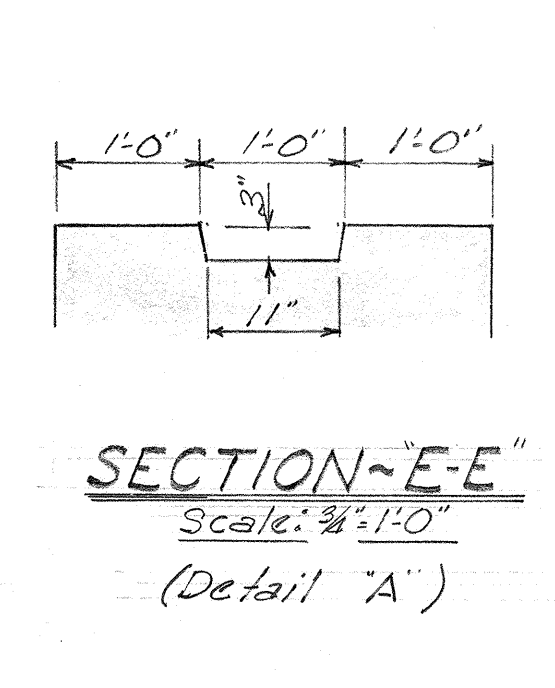
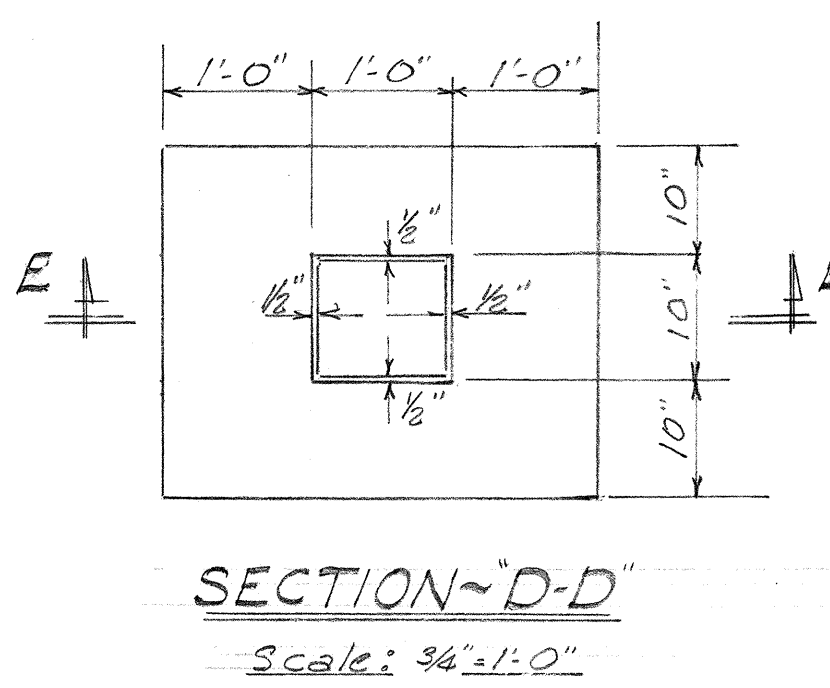
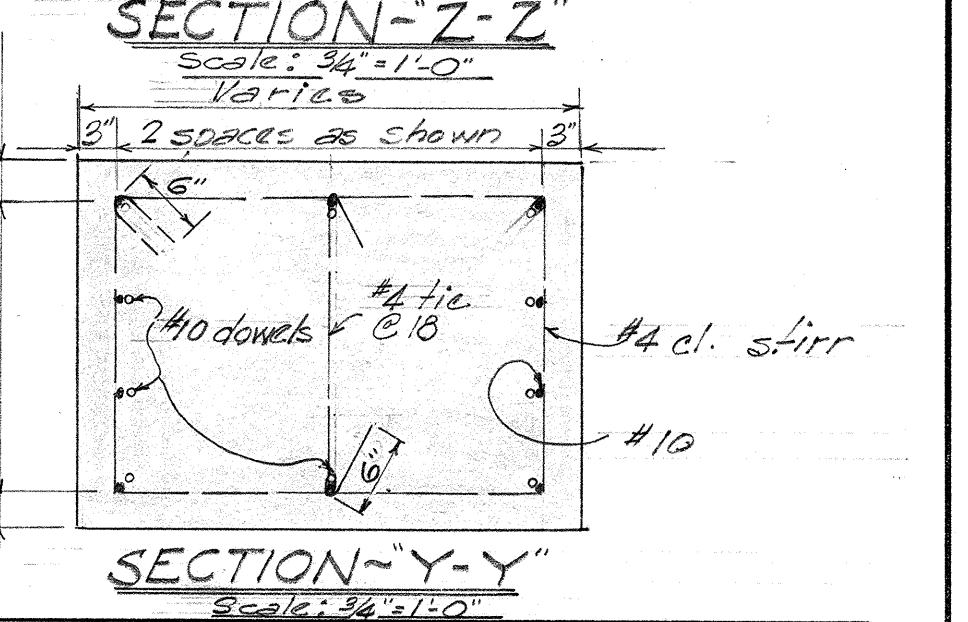
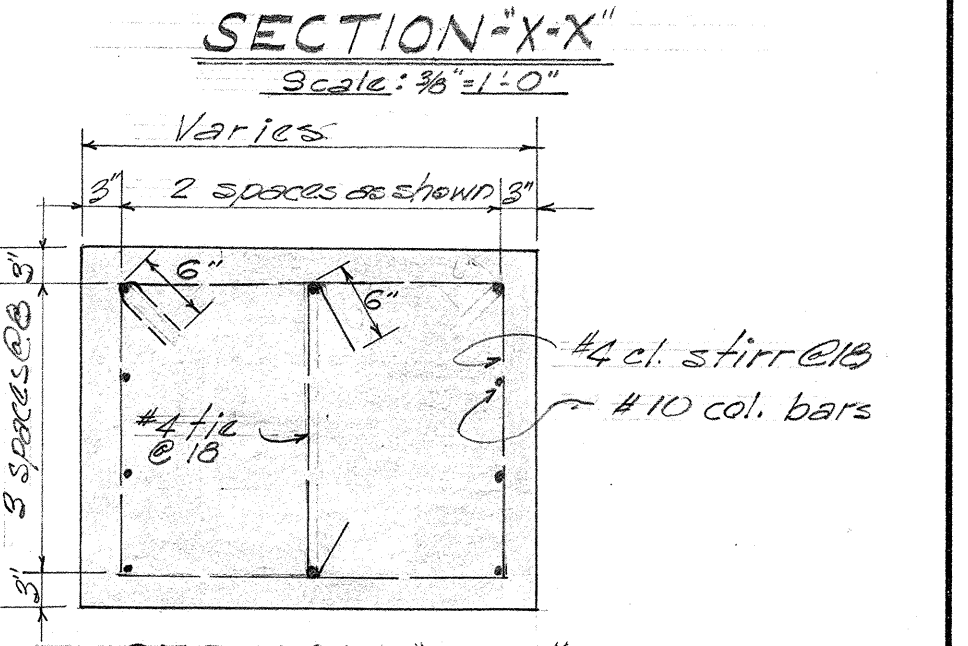
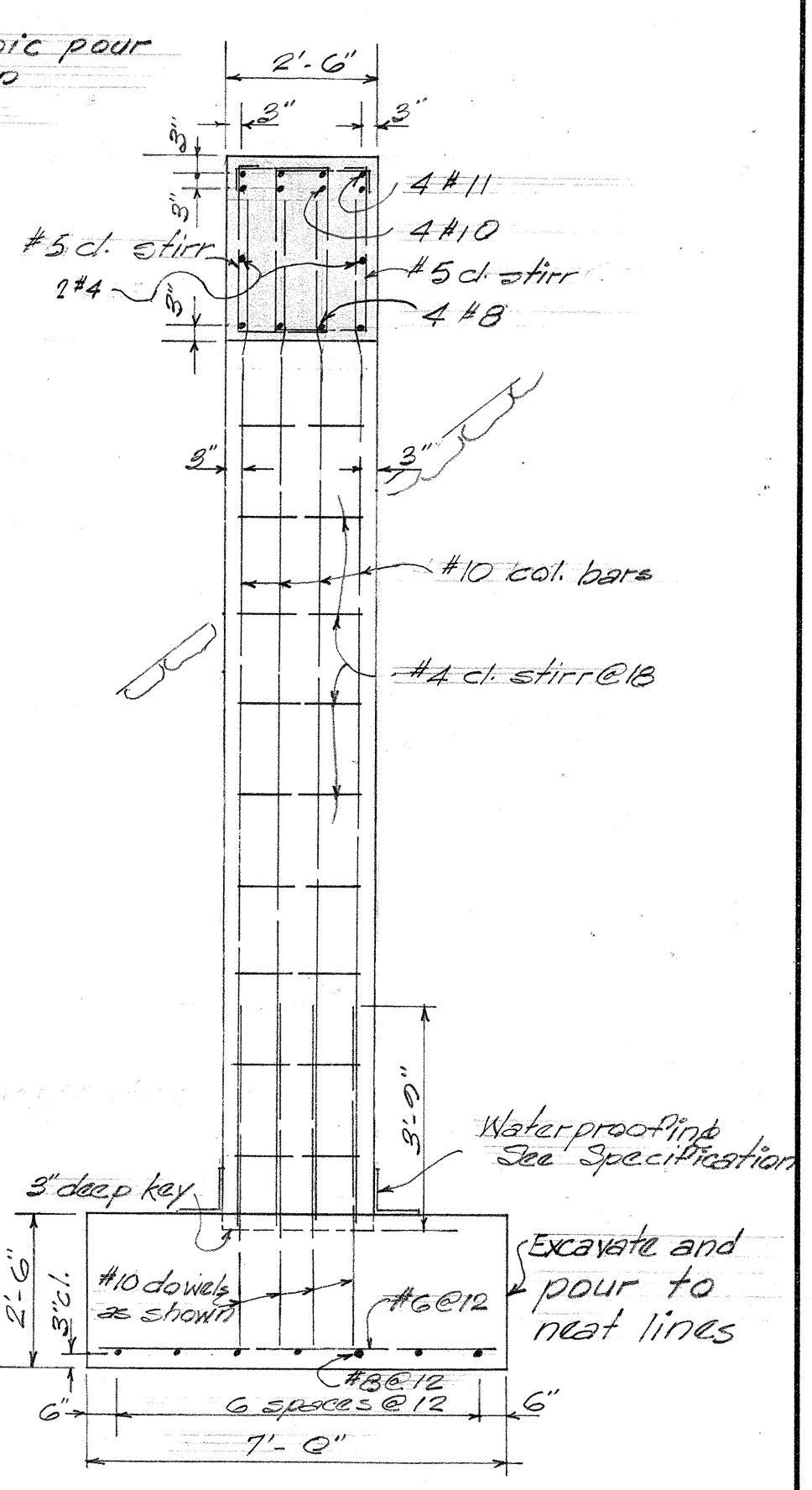
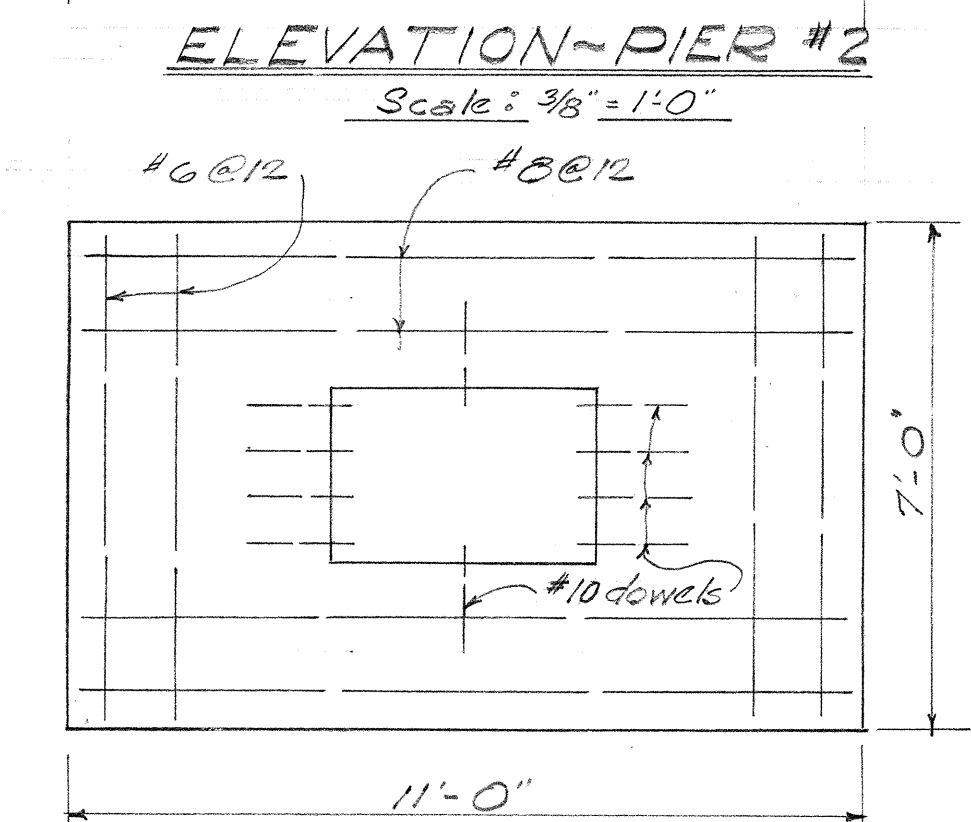
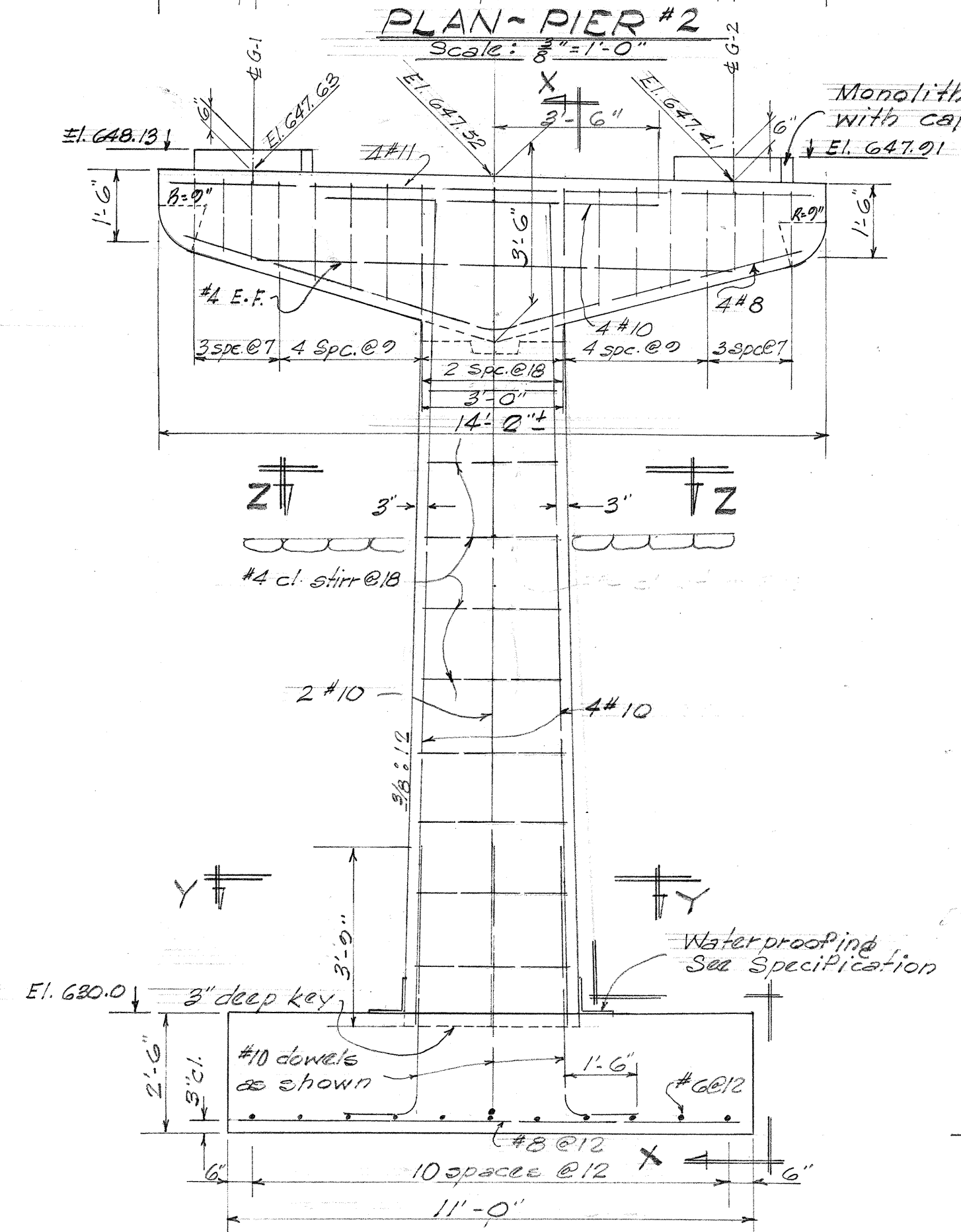
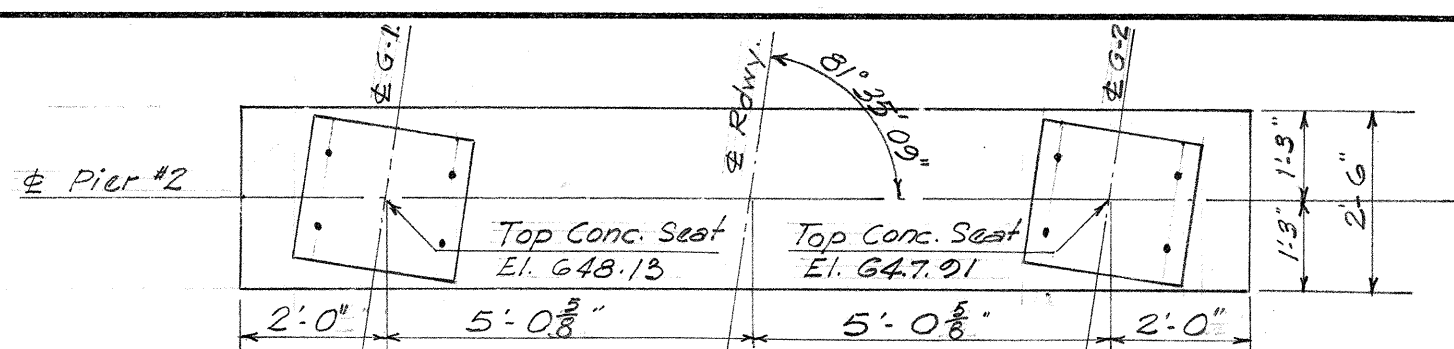
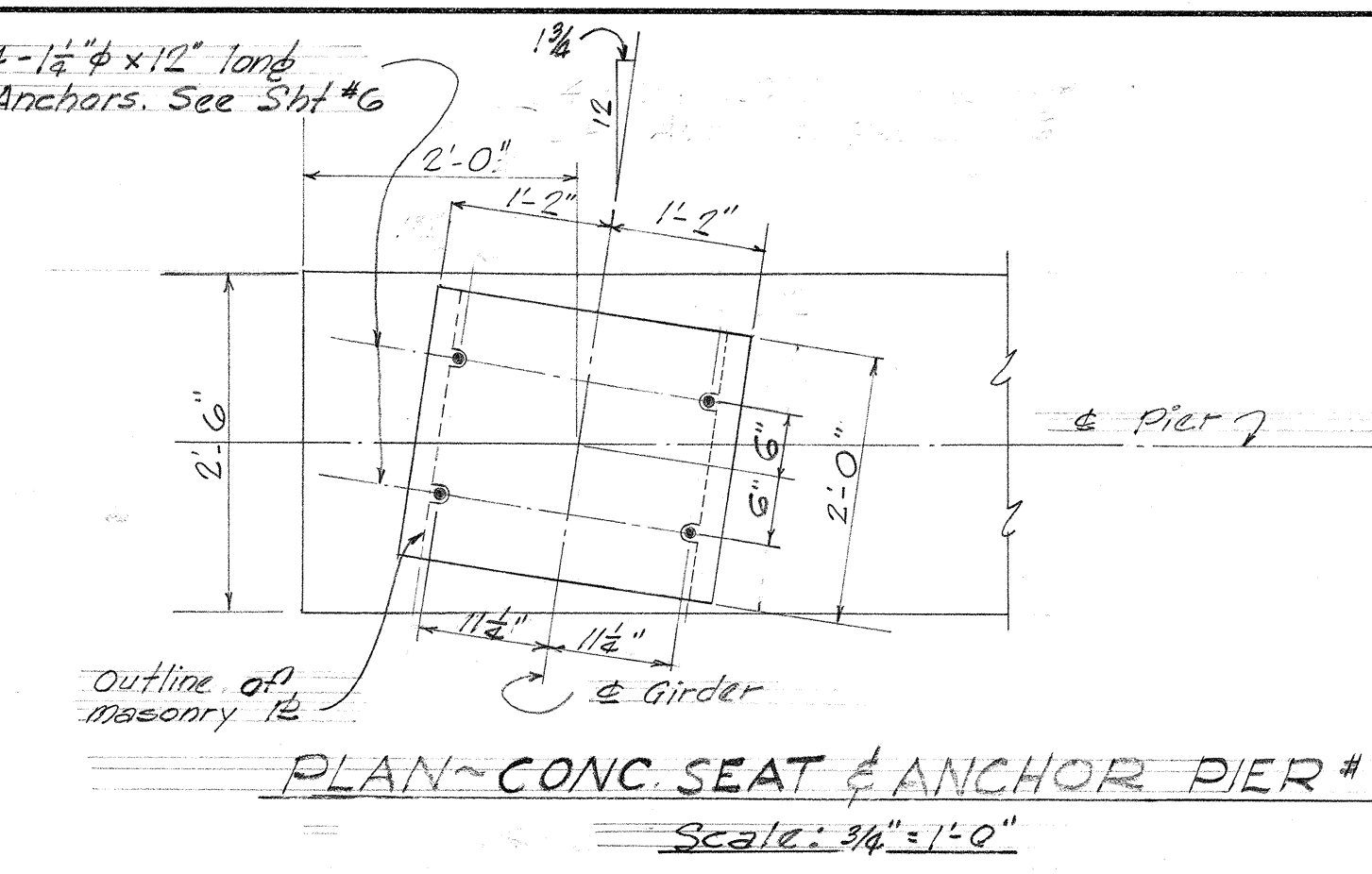
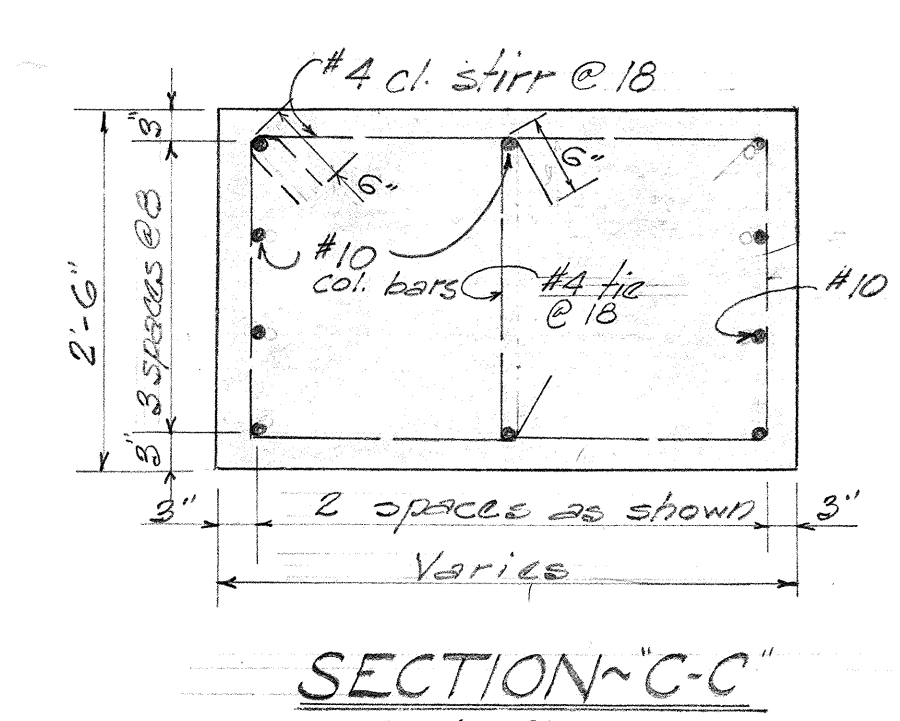
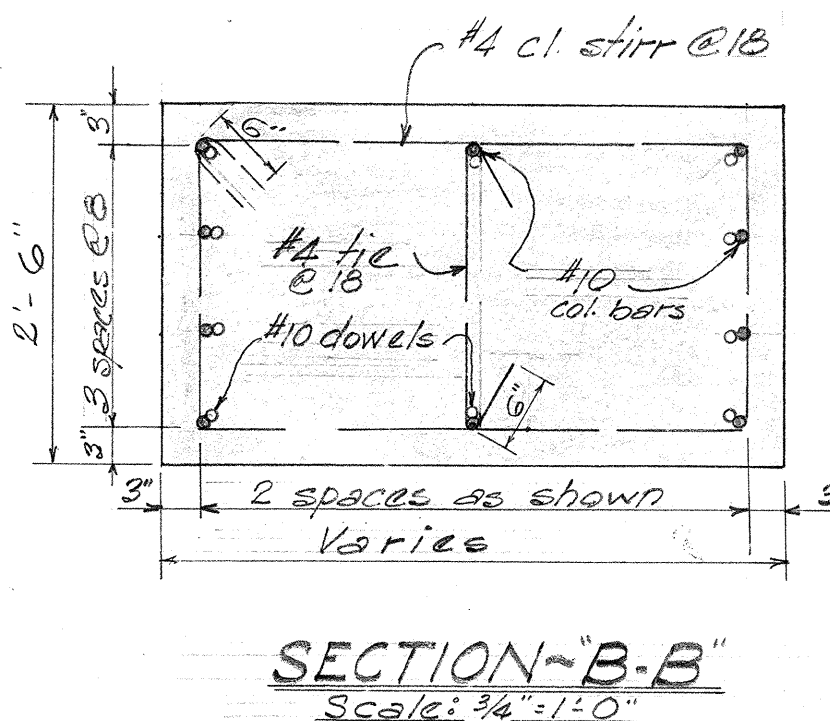
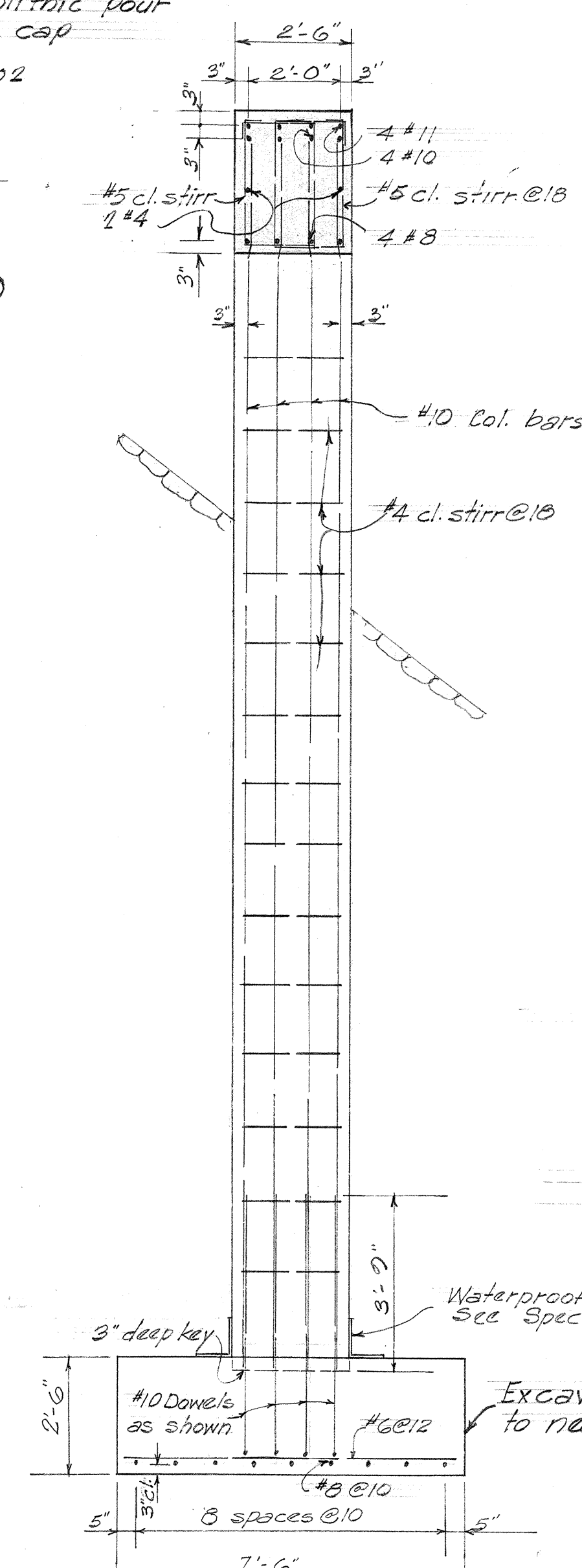
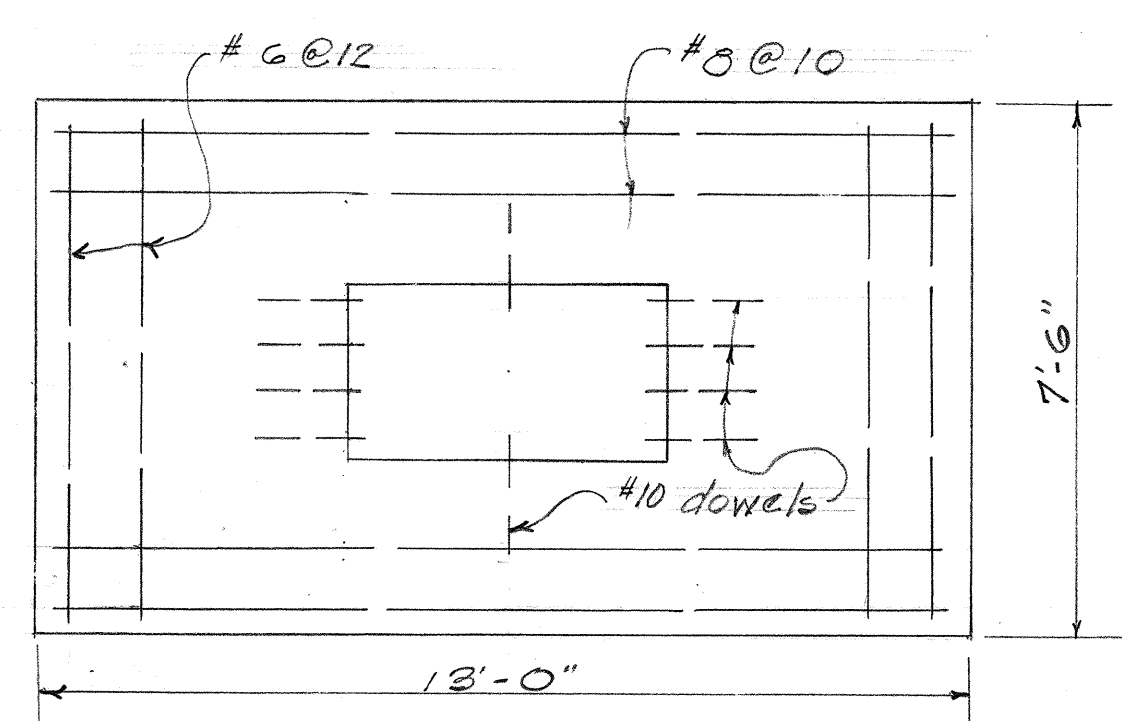
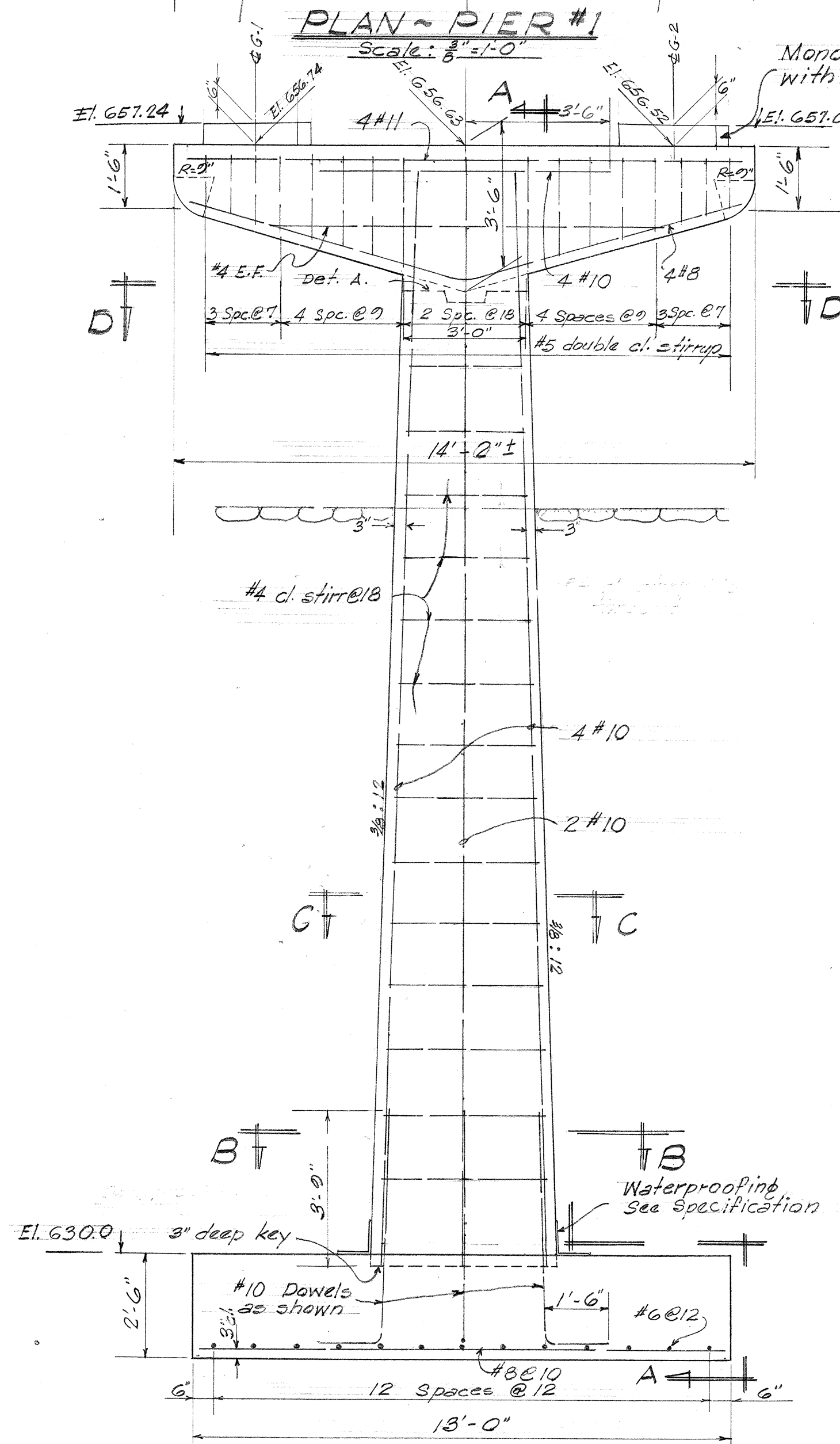
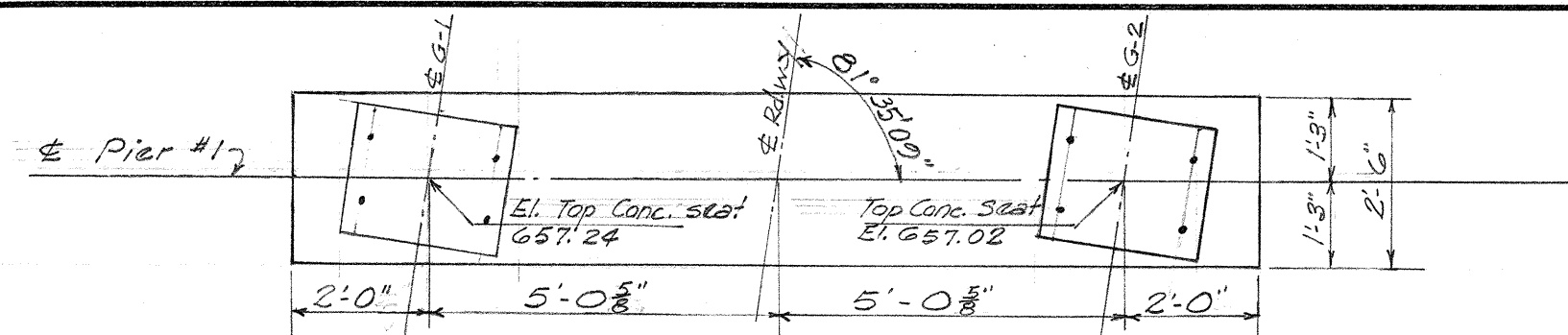


SECTION "A-A" (Abut. #1 Similar)

Scale: $\frac{1}{4}" = 1'-0"$

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DESIGNED BY _____	" _____
	DRAWN BY _____	" _____
	TRACED BY _____	" _____
NOTE BOOK	QUANTITIES BY _____	" _____
No. _____	QUANTITIES CHECKED BY _____	" _____
	CHECKED BY _____	" _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	P-017-20	1957	37	50



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY SEPARATION
Sta. 24+00
Hawaii Belt Rd. Proj. F.O.D. 2(2)
March, 1957

SURVEY PLOTTED BY	DATE
ORIGINAL PLAN	BY
TRACED BY	BY
NOTE BOOK	BY
QUANTITIES CHECKED BY	BY
CHECKED BY	BY