

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	S-0260(1)	1959	13	38

Curve Data - P.I. # 3

SPIRAL DATA **CIRC. DATA**

$\Delta = 31^{\circ}55'$ $\Delta C = 15^{\circ}55'$

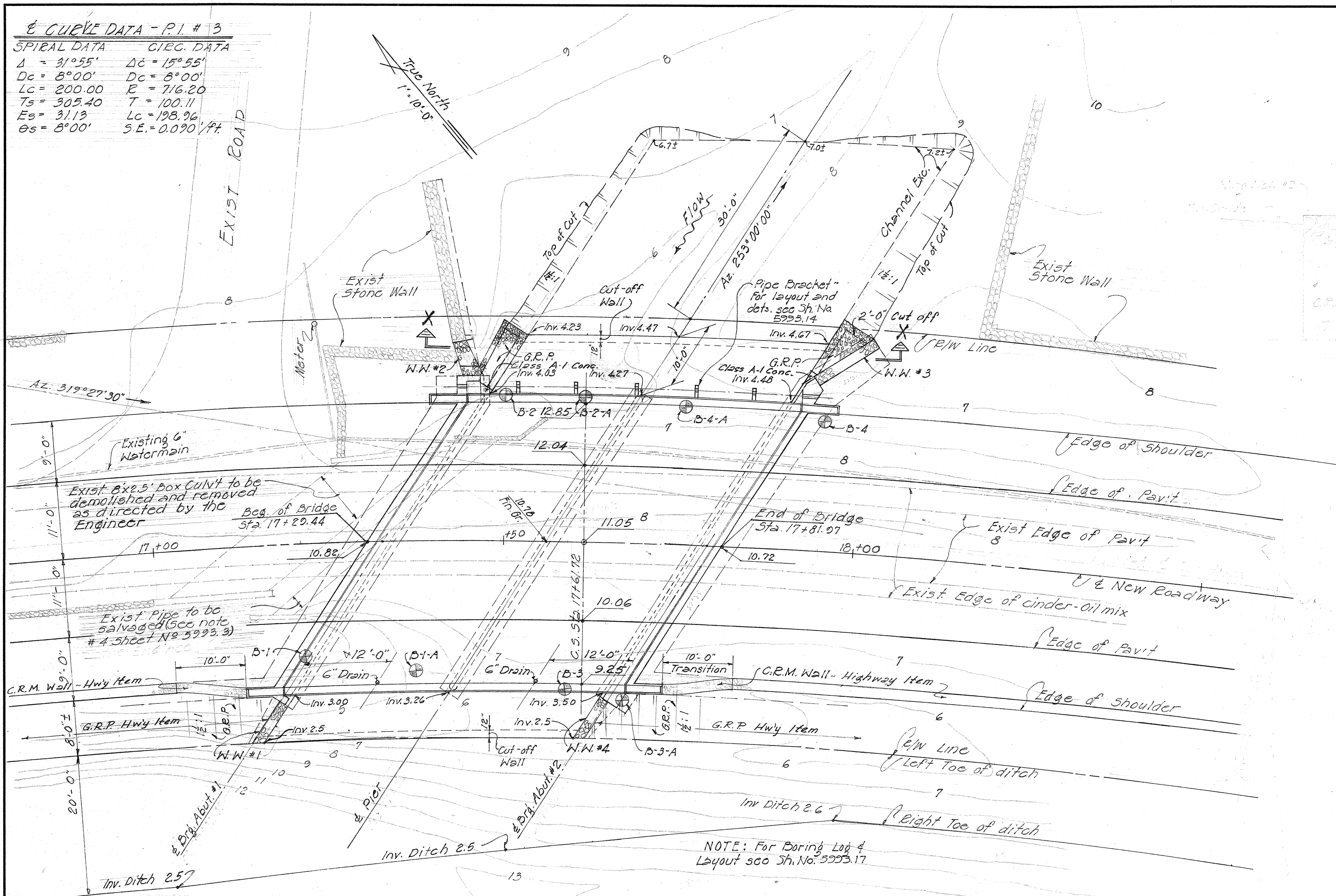
$Dc = 8^{\circ}00'$ $Dc = 8^{\circ}00'$

$LC = 200.00$ $E = 716.20$

$Ts = 305.40$ $T = 100.11$

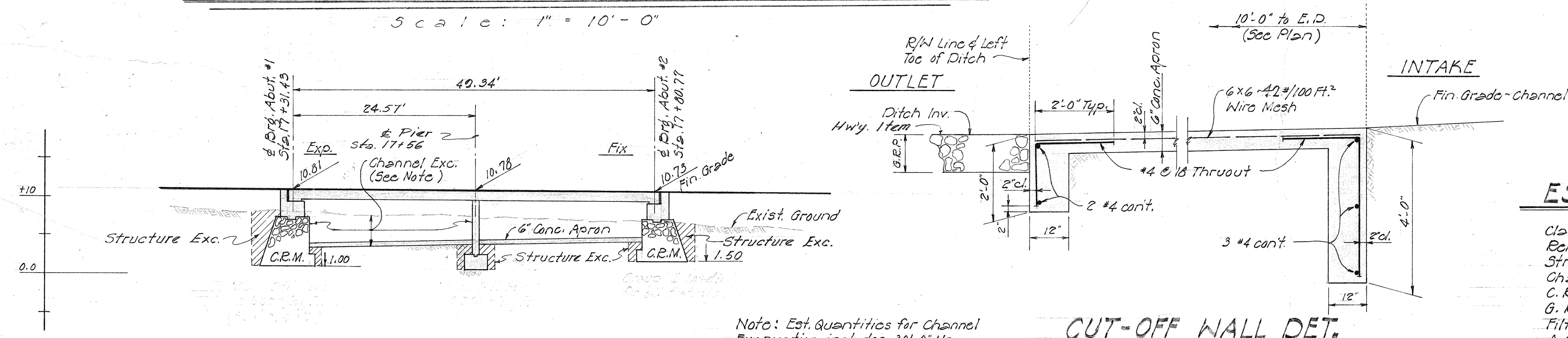
$Ea = 31.13$ $LC = 198.96$

$\theta s = 8^{\circ}00'$ $SE = 0.0901/\%$



LAYOUT PLAN

Scale: 1" = 10'-0"

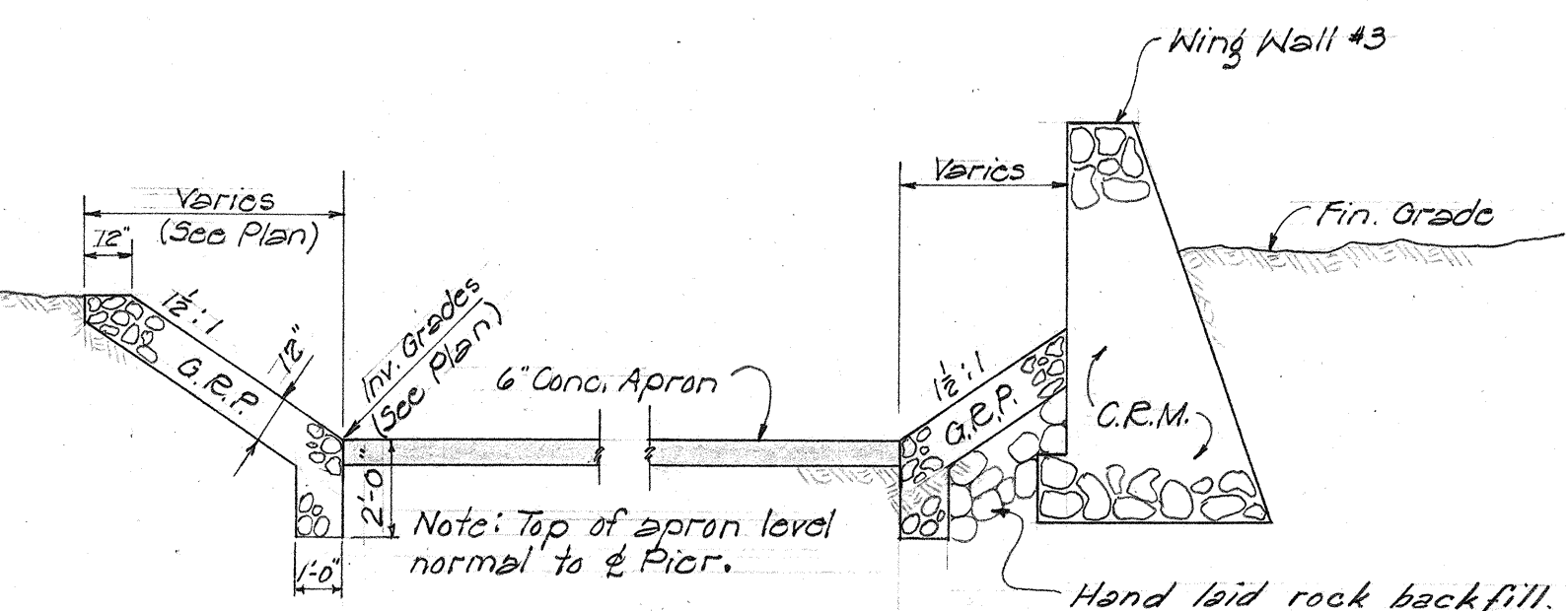


LONG. SECTION AT ROADWAY

Scale - 1" = 10'-0"

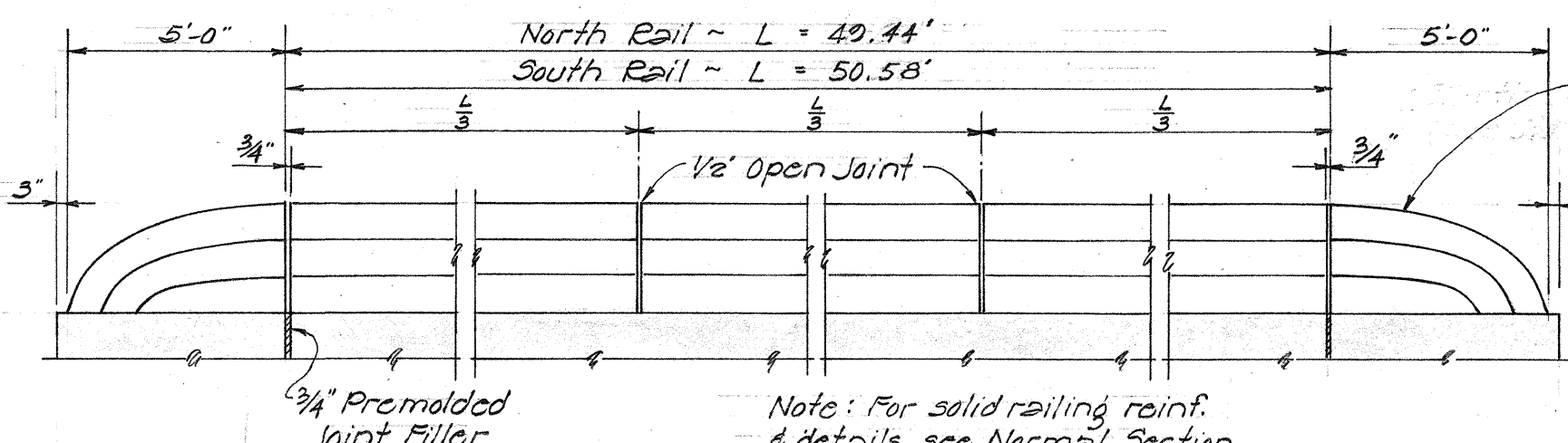
Note: Est. Quantities for Channel Excavation includes 30'-0" Upstream of R/W line at $\pm$ Pier to R/W line at Down stream as shown in plan.

NOTE!!
Demolishing & removal of exist. structure See special provision.



SECTION X-X

Scale - 1/4" = 1'-0"



RAILING LAYOUT

No Scale

GENERAL NOTES

DESIGN DATA

Loading = 420-3.6-44
 $f_c = 60,000$ psi
 $f_s = 100,000$ psi
 $n = 10$

MATERIALS

All concrete shall be Class A-1.

ADMIXTURE

Admixture of Pozzo/11th or approved equal shall be added to concrete in accordance with manufacturer's recommendations.

CONSTRUCTION METHOD

All backfills behind Abutments shall be complete in place before pouring concrete for the superstructure.
 Sidewalk, curb and railing shall not be poured until after the falsework for the span has been released.

ESTIMATED QUANTITIES

Class A-1 Conc.	=	Lump Sum (220.0 c.y.)
Reinf. Steel	=	Lump Sum (28,000.0 lbs)
Struct. Exc.	=	200.0 c.y.
Channel Exc.	=	450.0 c.y.
C.E.M.	=	135.0 c.y.
G.R.P.	=	3.0 c.y.
Filter Mat.	=	43.0 cu.
A.C. Pavt. MIX II	=	11.0 tohs
Bit. Tack Coat	=	32.0 gals.

NOTE: 6x6-42#100 # Wire Mesh shall be incidental to class A-1 conc. and will not be paid for separately.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAWAIHAE BRIDGE

Sta. 17+20.44 to Sta. 17+81.97

KAWAIHAE RD. Proj. No. S-0260 (1)

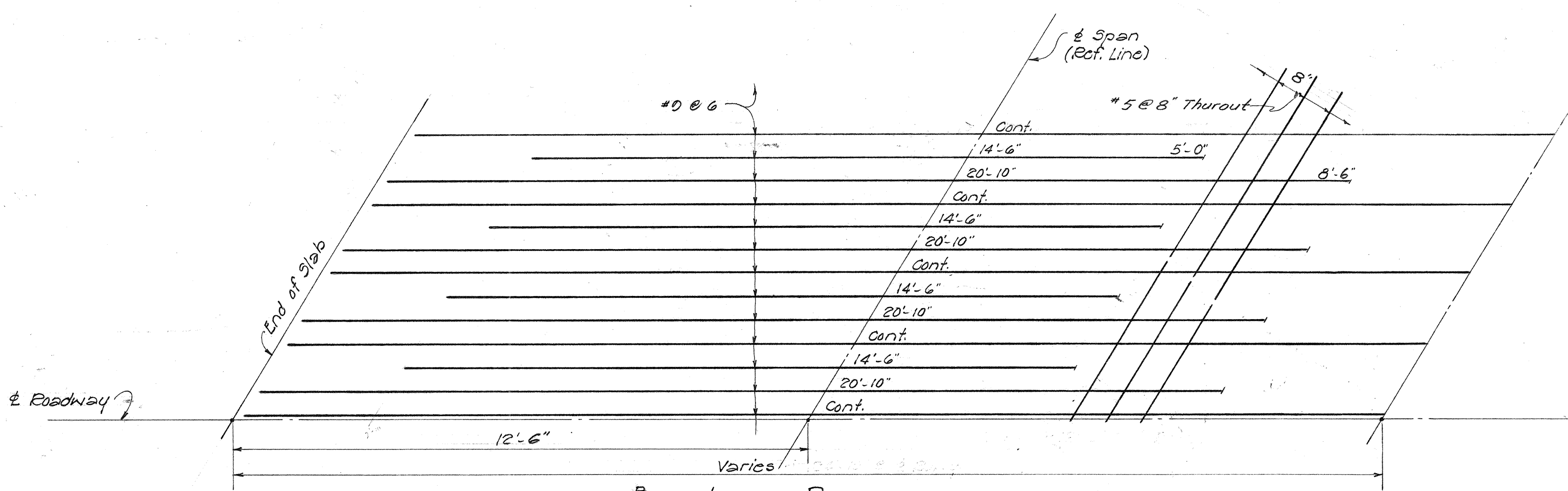
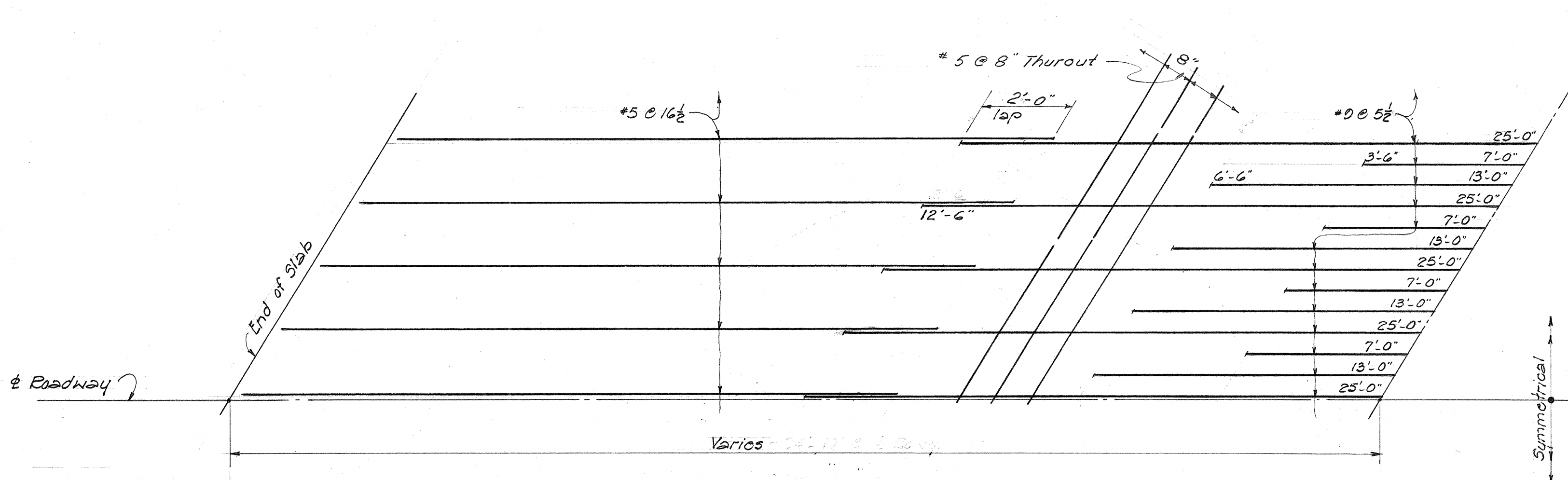
Jan. 1959

SHEET NO. 1 OF 5 SHEETS

5993.13

DATE	4-3-59
DESIGNED BY	W.A.
DRAWN BY	W.S.
CHECKED BY	W.S.
NOTED BY	W.S.
QUANTITIES CHECKED BY	W.S.
CHECKED BY	W.S.
ORIGINAL PLAN	No.

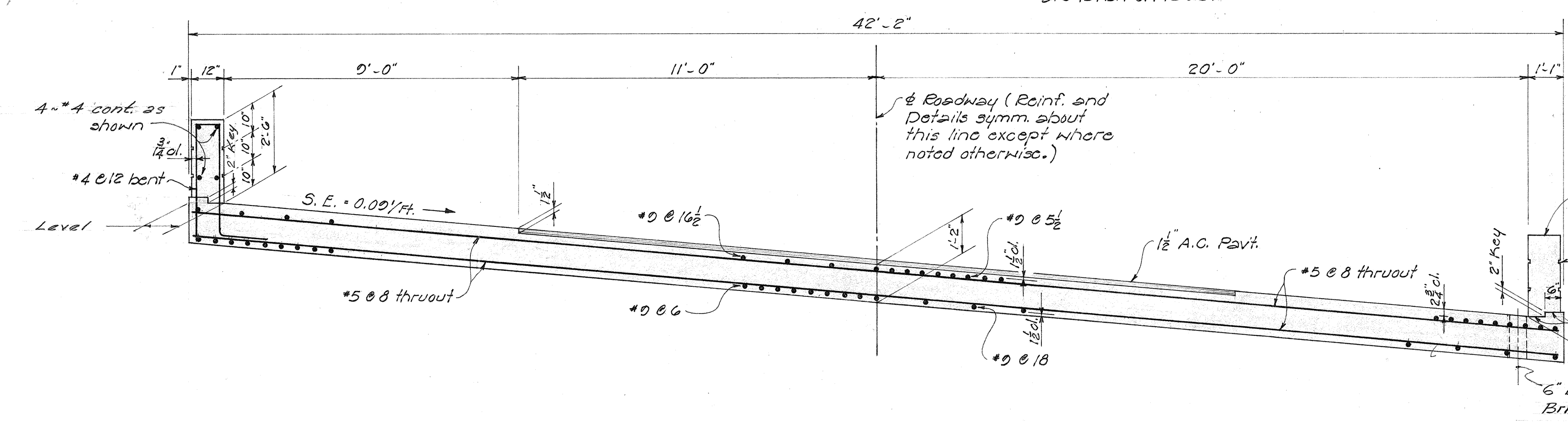
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	5-0260(1)	1959	14	38



DECK REINF. PLAN
Scale - 1/2" = 1'-0"

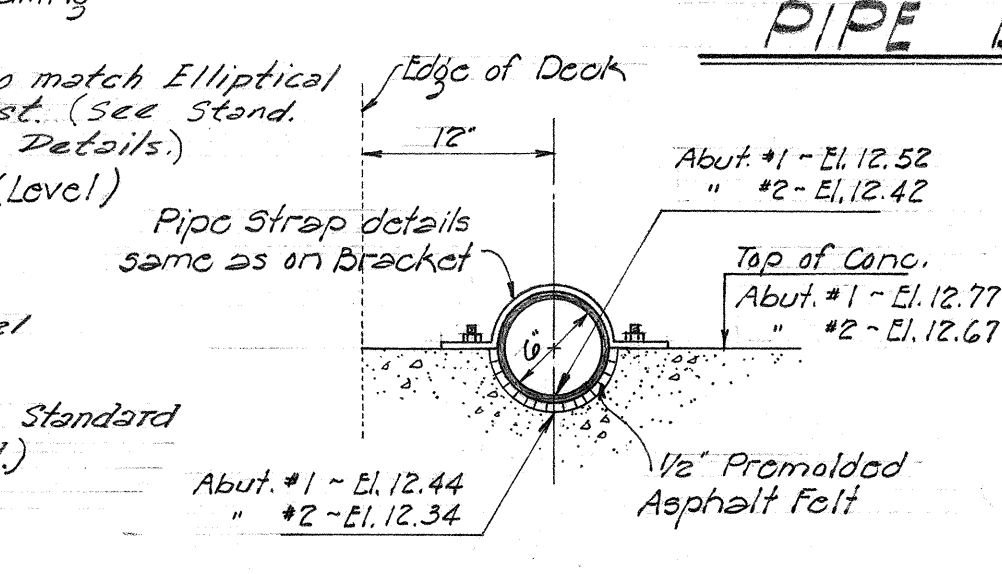
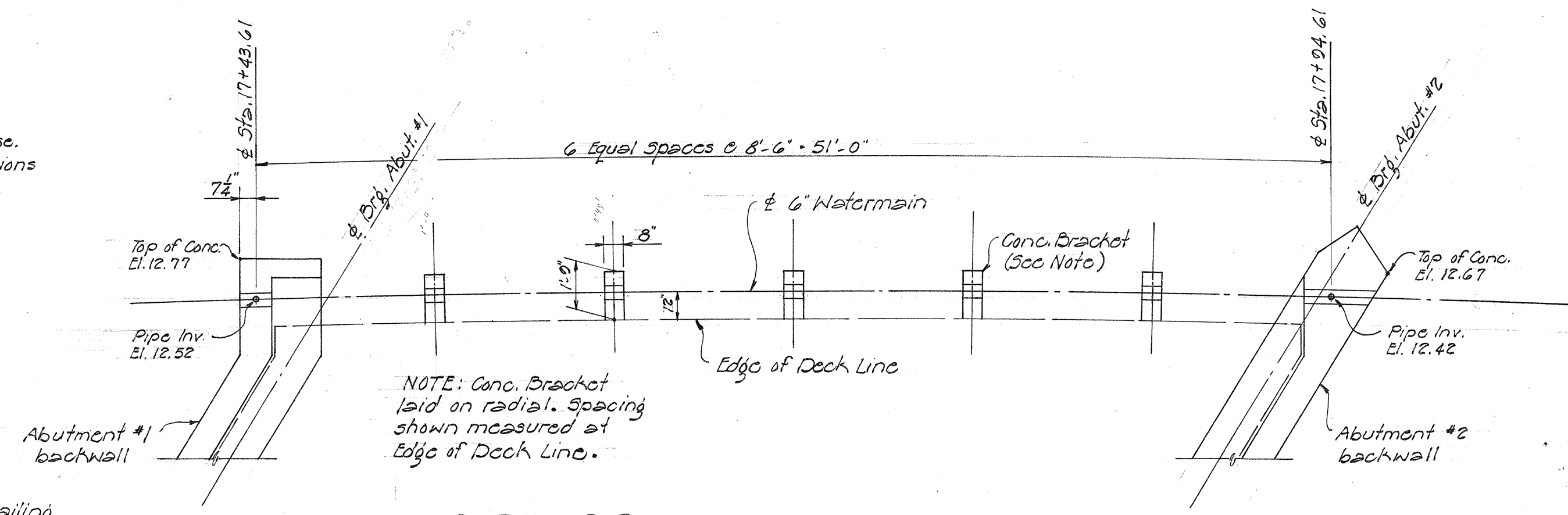
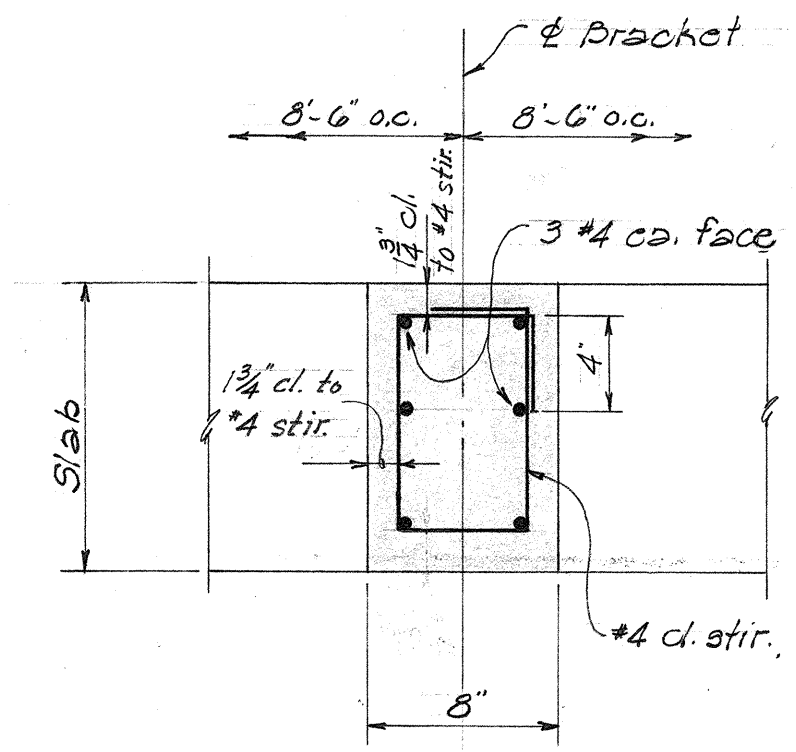
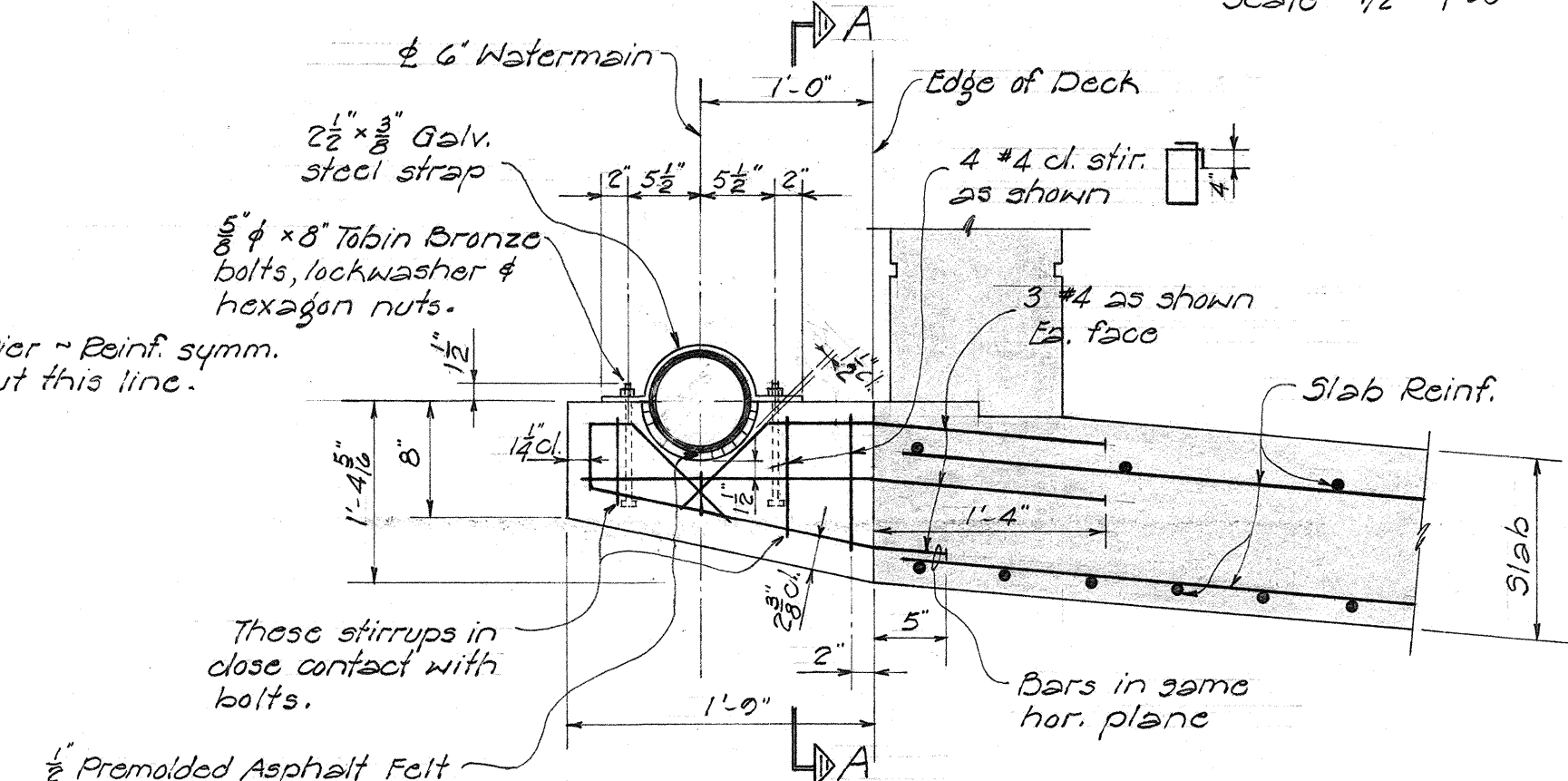
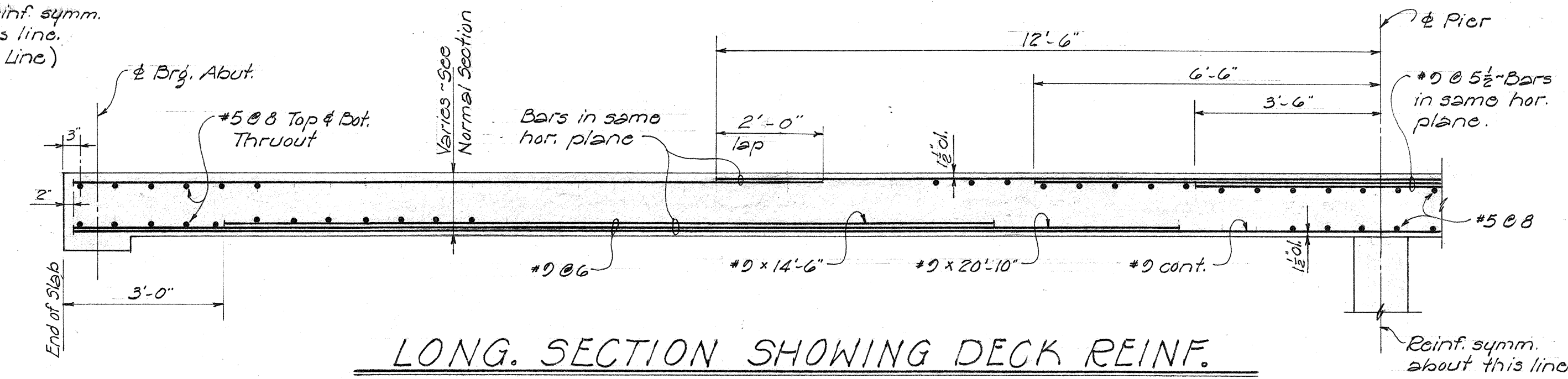
REINF. NOTES

1. All laps are made by placing bars side by side except where noted otherwise.
2. Dimensions at end of bars indicate distance from reference line. Dimensions at center of bars indicate length of bar - does not include lap.
3. All transverse bars laid parallel to bearing.
4. All longitudinal bars laid parallel to roadway. Spacing shown on plans are taken on radial.



SECTION AT PIER

NORMAL SECTION
Scale - 3/8" = 1'-0"

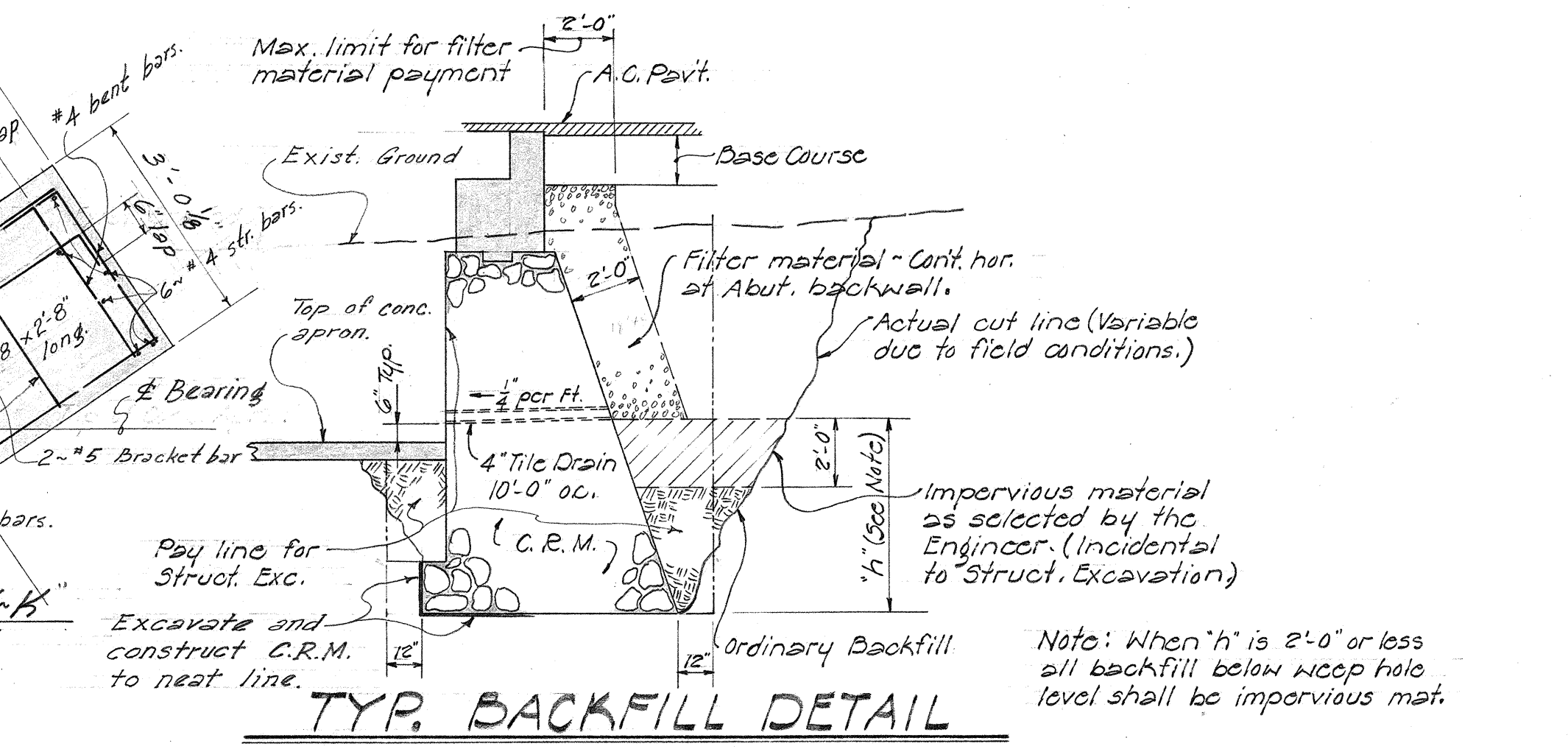
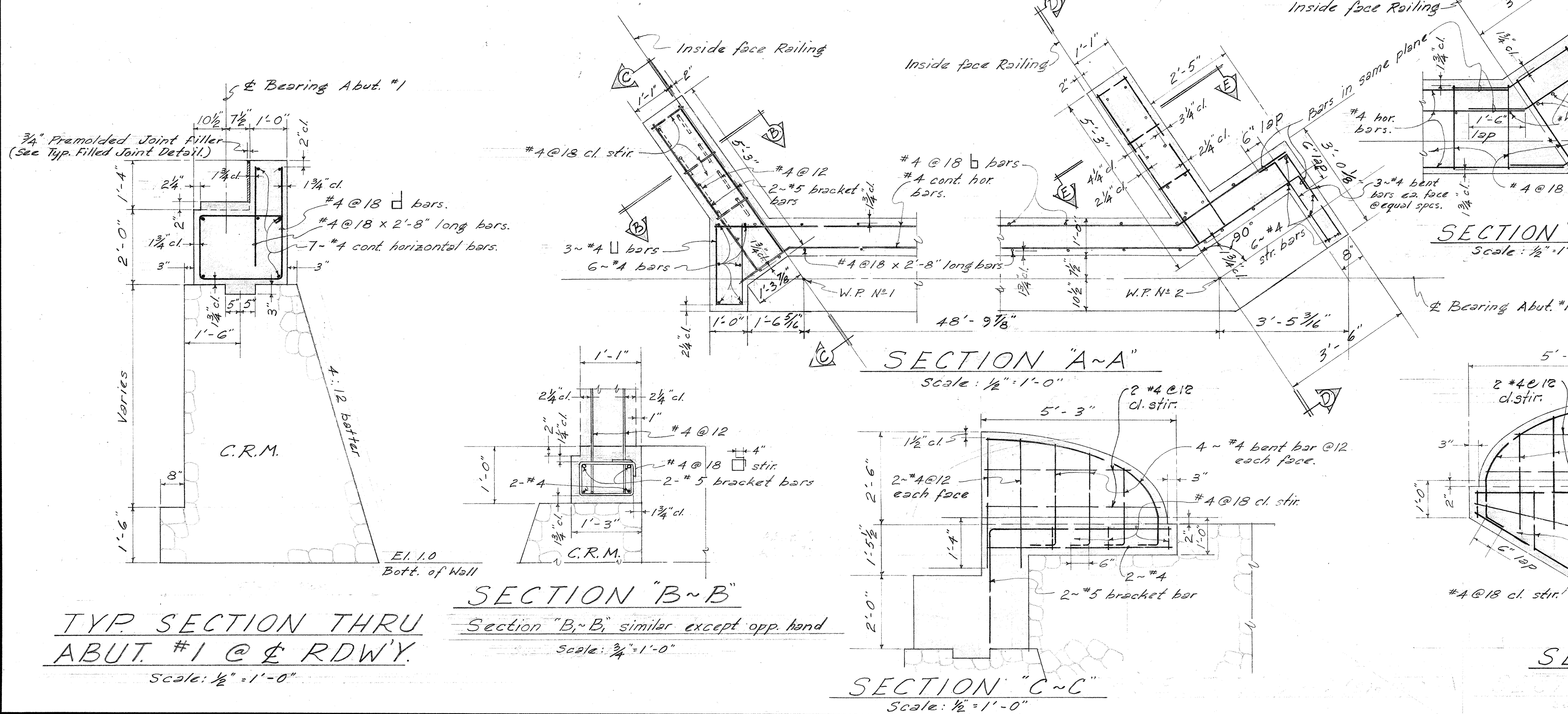
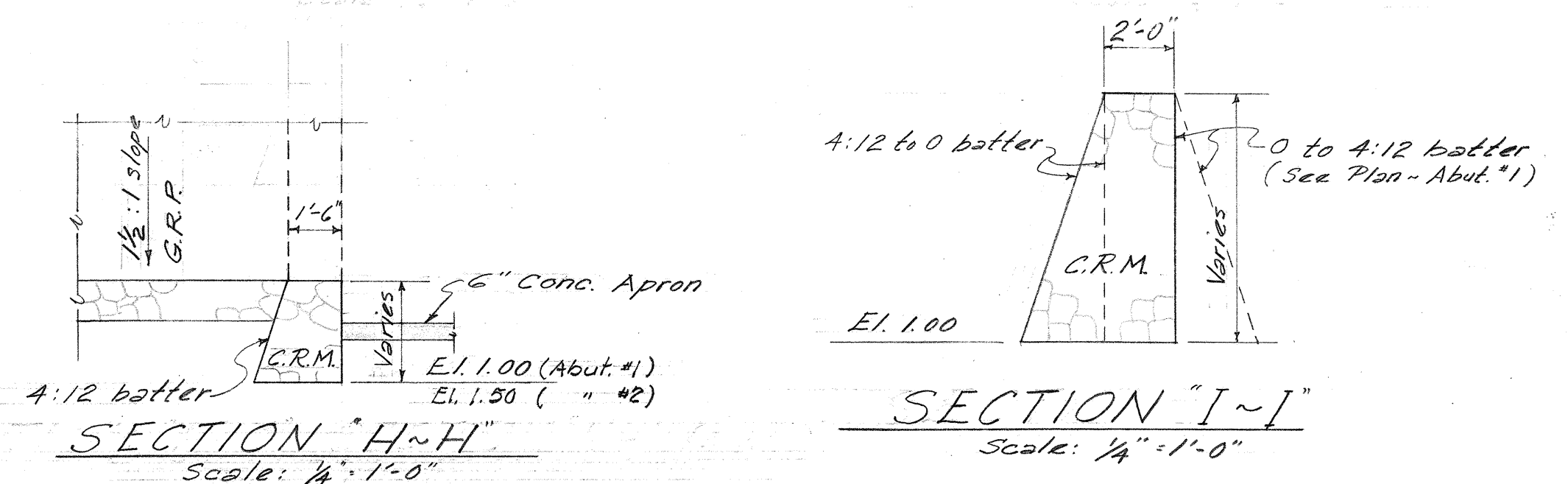
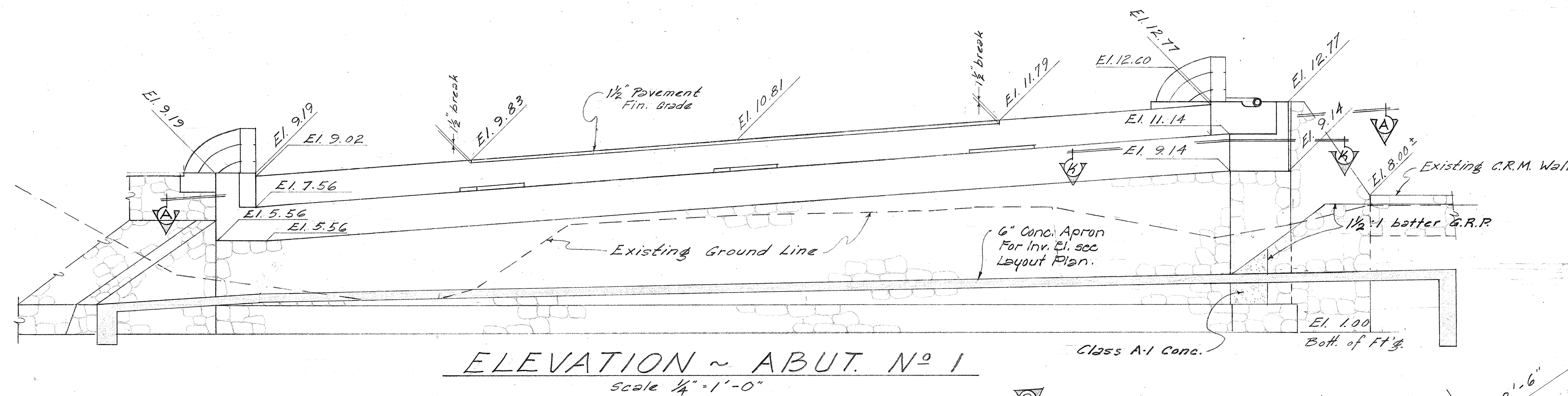
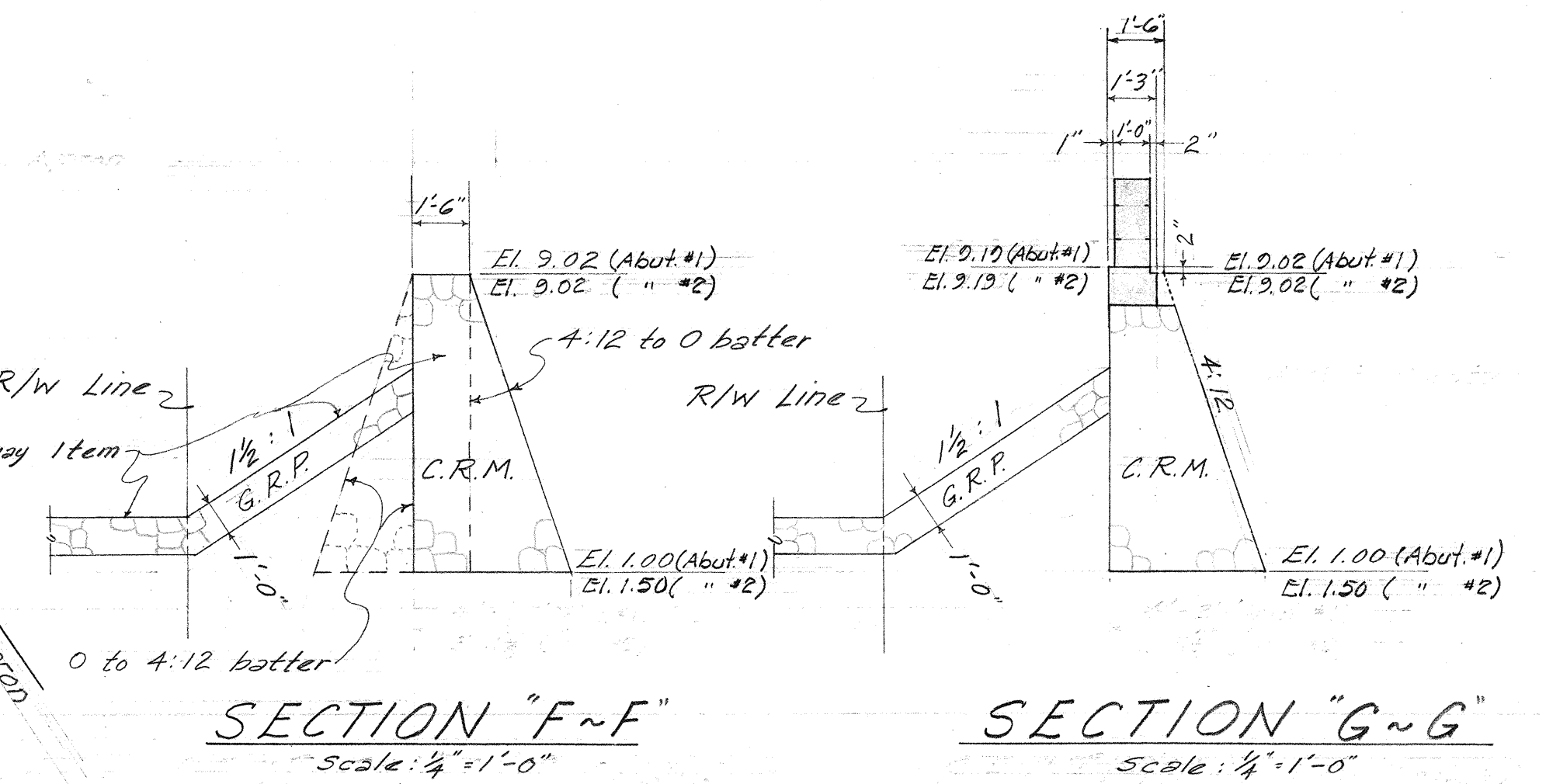
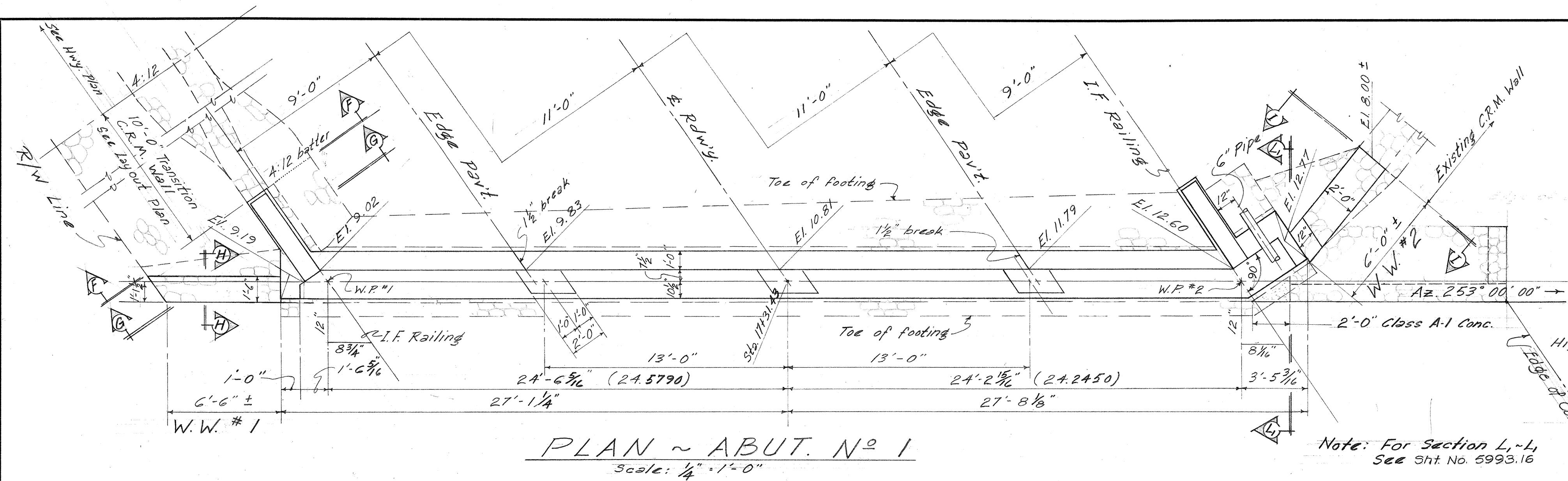


TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KANAIHAE BRIDGE
Sta. 17+29.44 to Sta. 17+81.97
KANAIHAE RD. Proj. No. 5-0260(1)
Jan. 1959

SHEET NO. 2 OF 5 SHEETS
5993.14

DATE	4-30
SURVEY PLOTTED BY	4-30
DESIGNED BY	4-30
DRAWN BY	4-30
QUANTITIES BY	4-30
NOTE BOOK	4-30
CHECKED BY	4-30
CREATED BY	4-30

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	5-0260(1)	1955	15	38



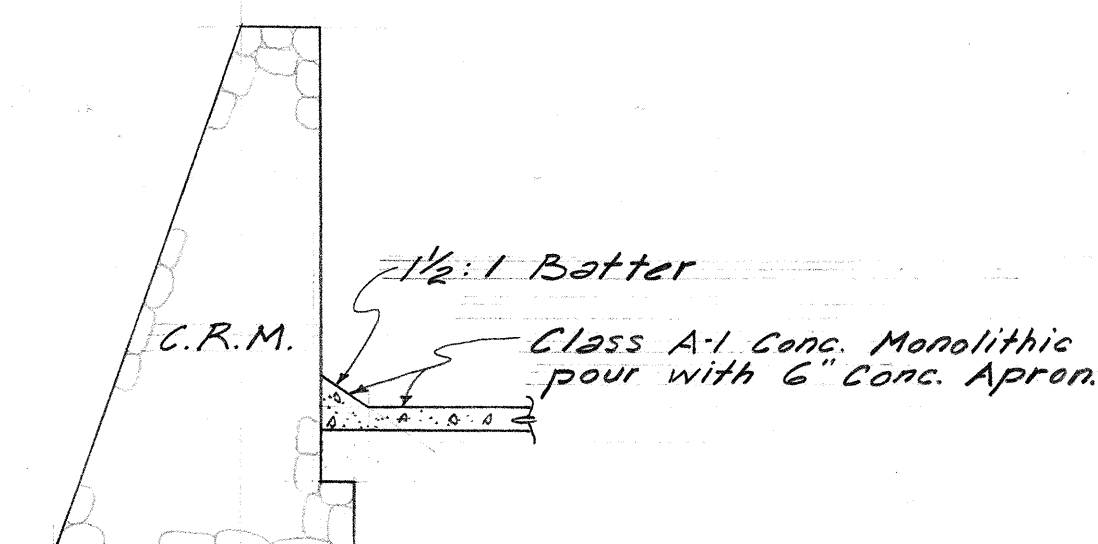
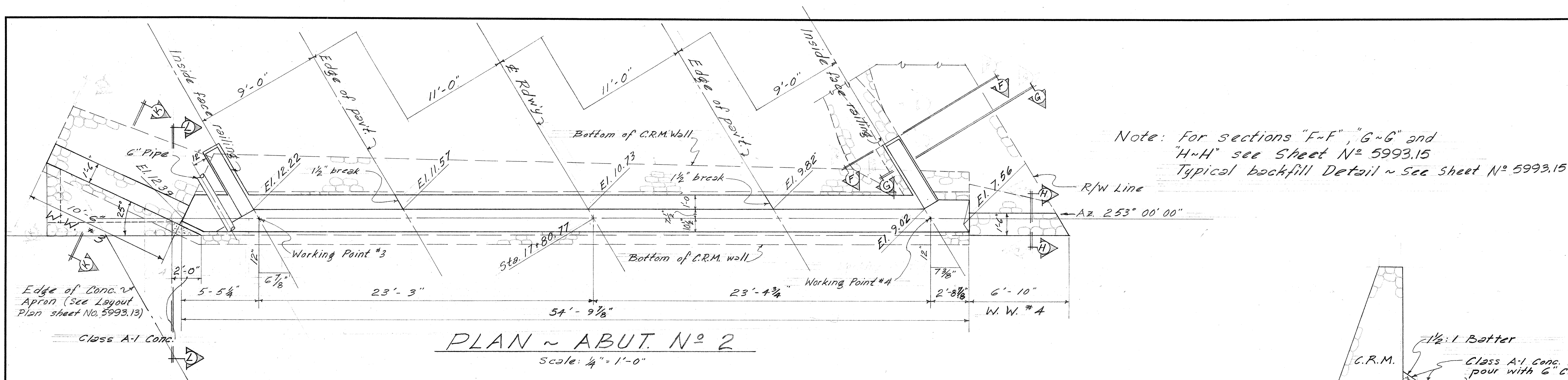
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAWAIHAE BRIDGE
Sta. 17+29.44 to Sta. 17+81.97
KAWAIHAE RD. Proj. #5-0260(1)
Jan. 1959

SHEET No. 3 OF 5 SHEETS

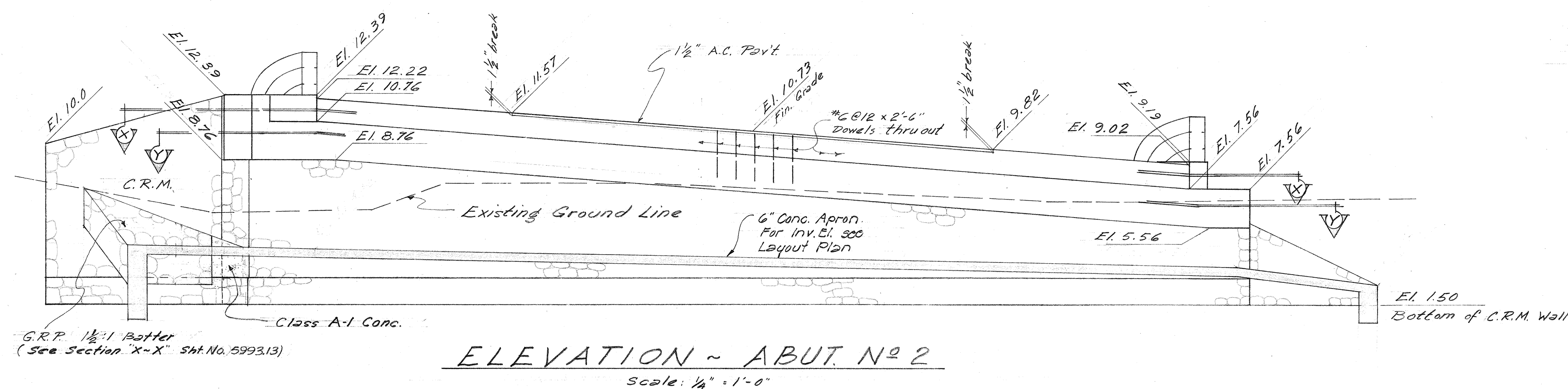
5993.15

DATE	4-33
DESIGNED BY	4-33
DRAWN BY	4-33
CHECKED BY	4-33
NOTED BY	4-33
QUANTITIES CHECKED BY	4-33
CREATED BY	4-33
ORIGINAL PLAN	4-33
NOTE BOOK	4-33
No.	4-33

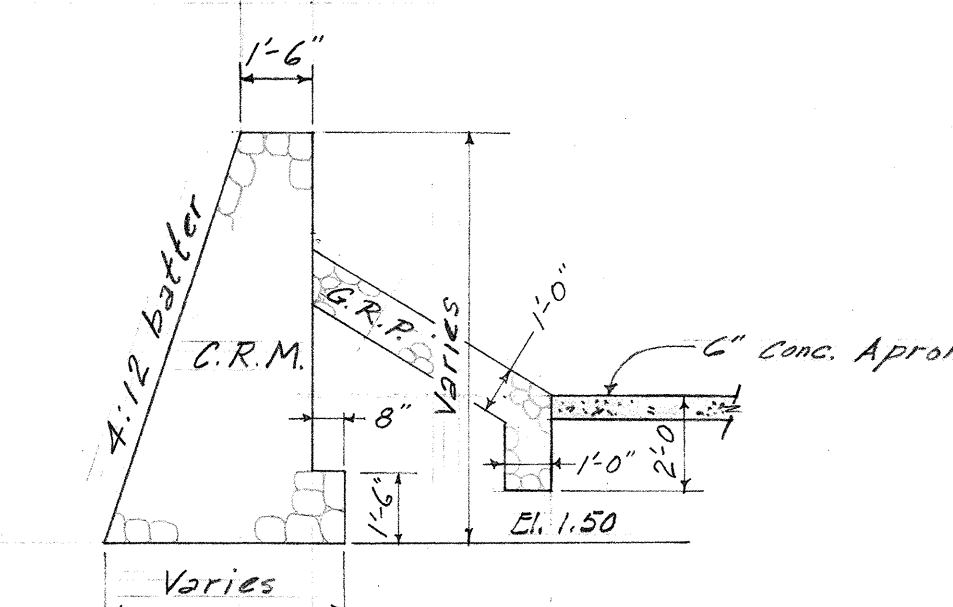
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW	5-0260(1)	1959	16	38



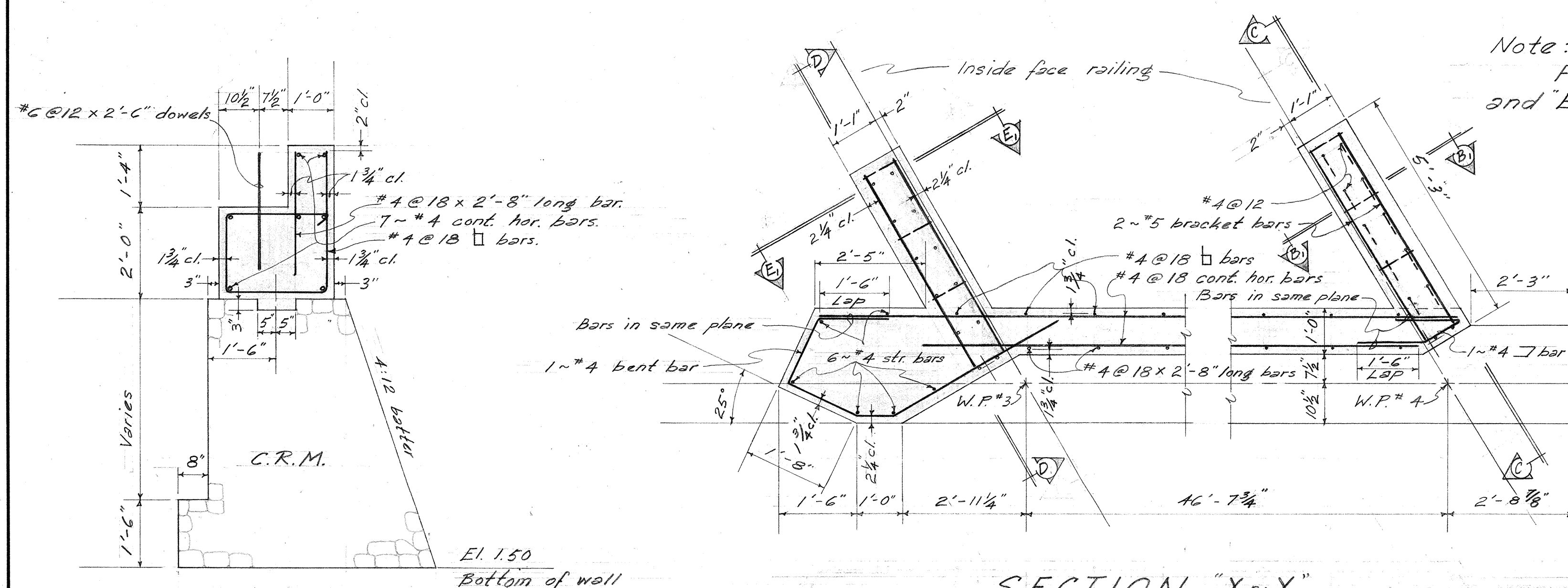
SECTION "L~L" (Section L, ~L, similar)
Scale: 1/4" = 1'-0"



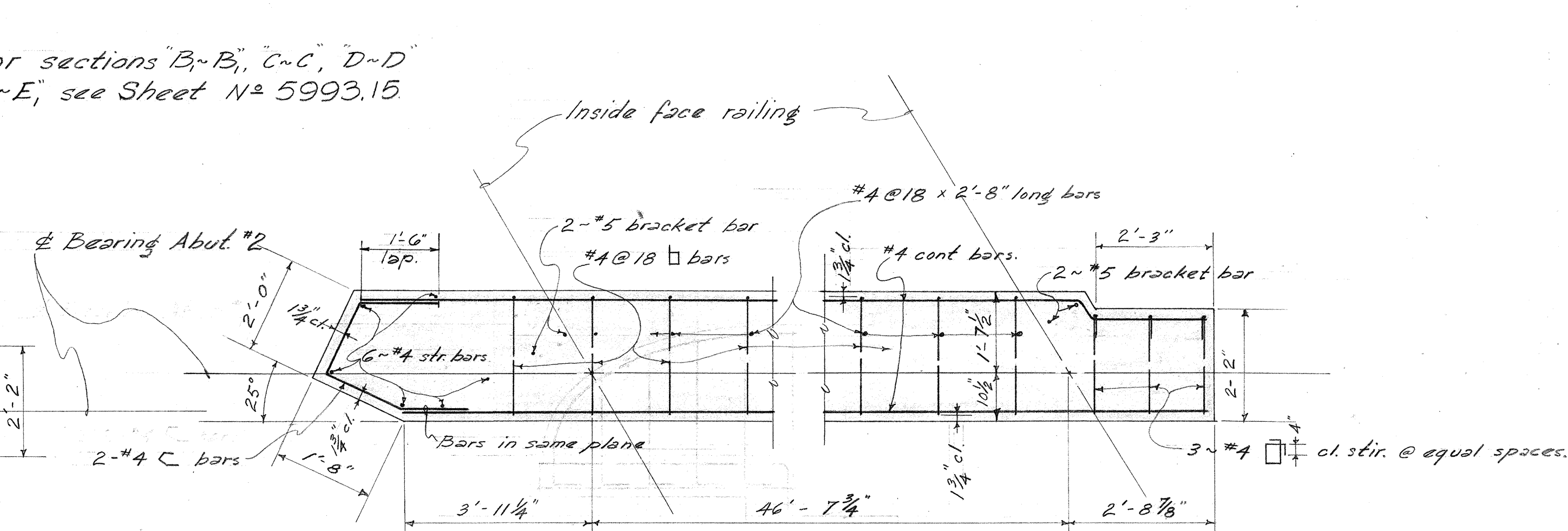
ELEVATION ~ ABUT. NO 2
Scale: 1/4" = 1'-0"



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



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



SECTION "Y-Y"
Scale: 1/2" = 1'-0"

TYP. SECTION THRU ABUT.
N^o 2 @ Φ RDW'Y.
Scale: $\frac{1}{2}" = 1'-0"$

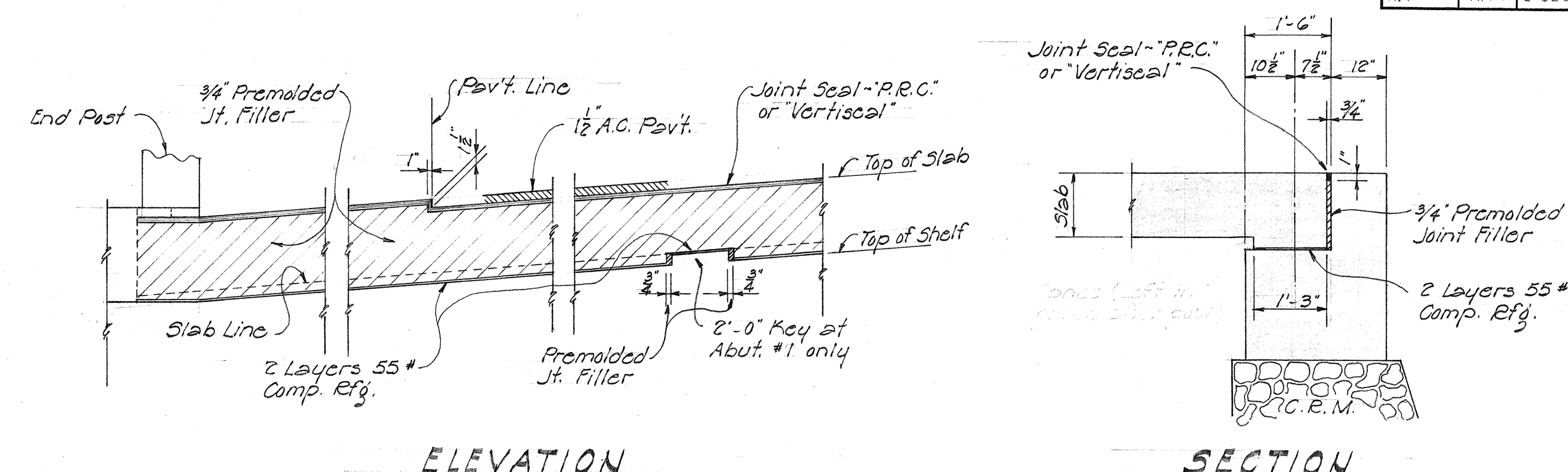
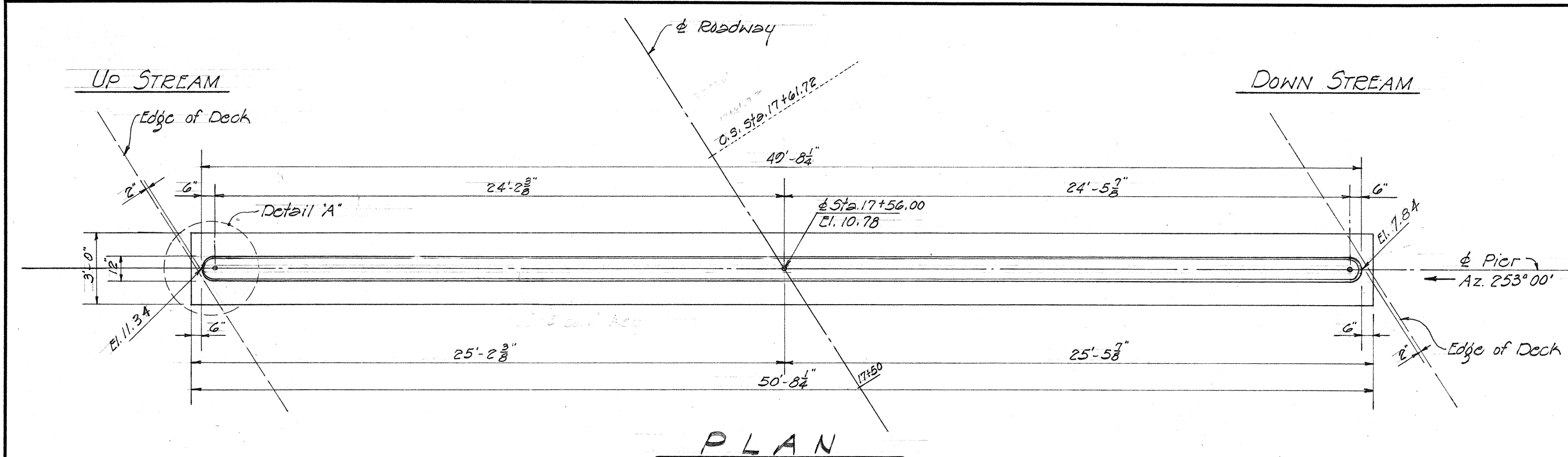
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAWAIHAE BRIDGE

Sta. 17+29.44 to Sta. 17+81.97

KAWAIHAE RD. Proj. # S-0260(1),
Jan. 1959

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOT SHEETS
HAWAII	HAW	S-0260(1)	1959	17	38

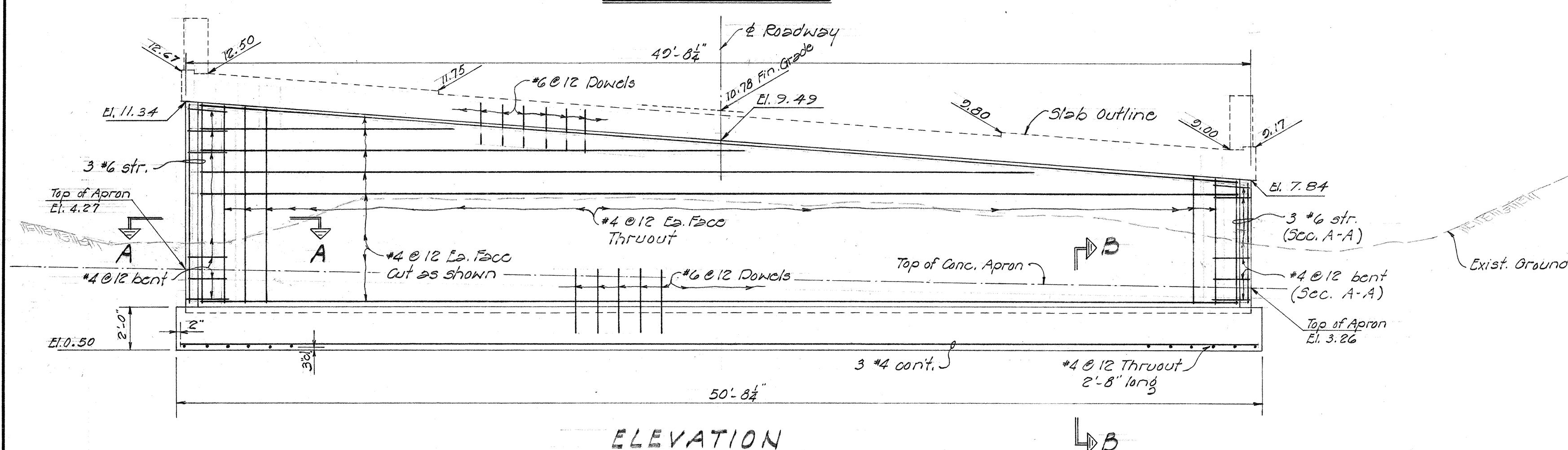


ELEVATION

SECTION

TYPICAL DETAIL
FILLED JOINT AT ABUTMENT

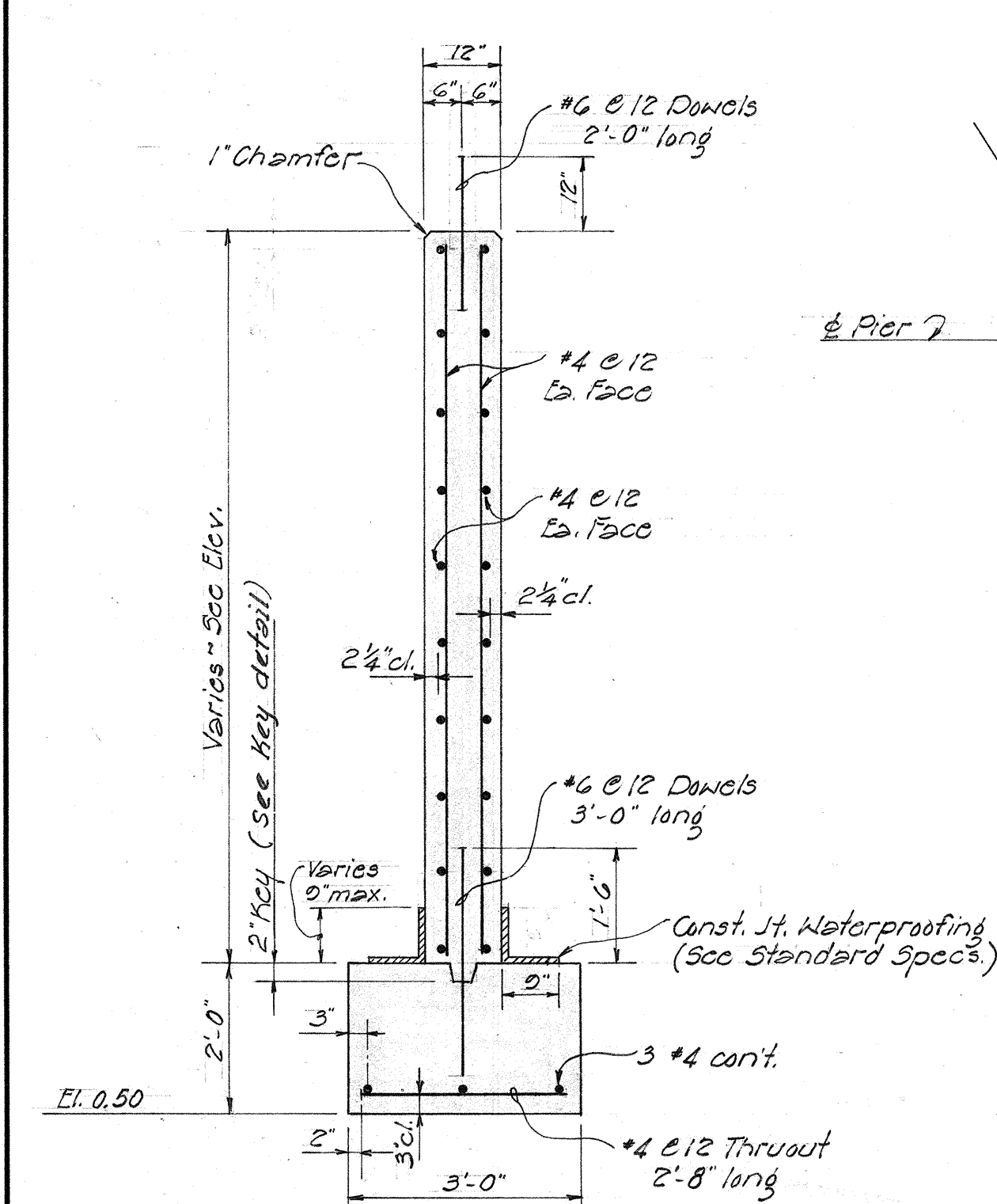
Scale - $\frac{1}{2}" = 1'-0"$



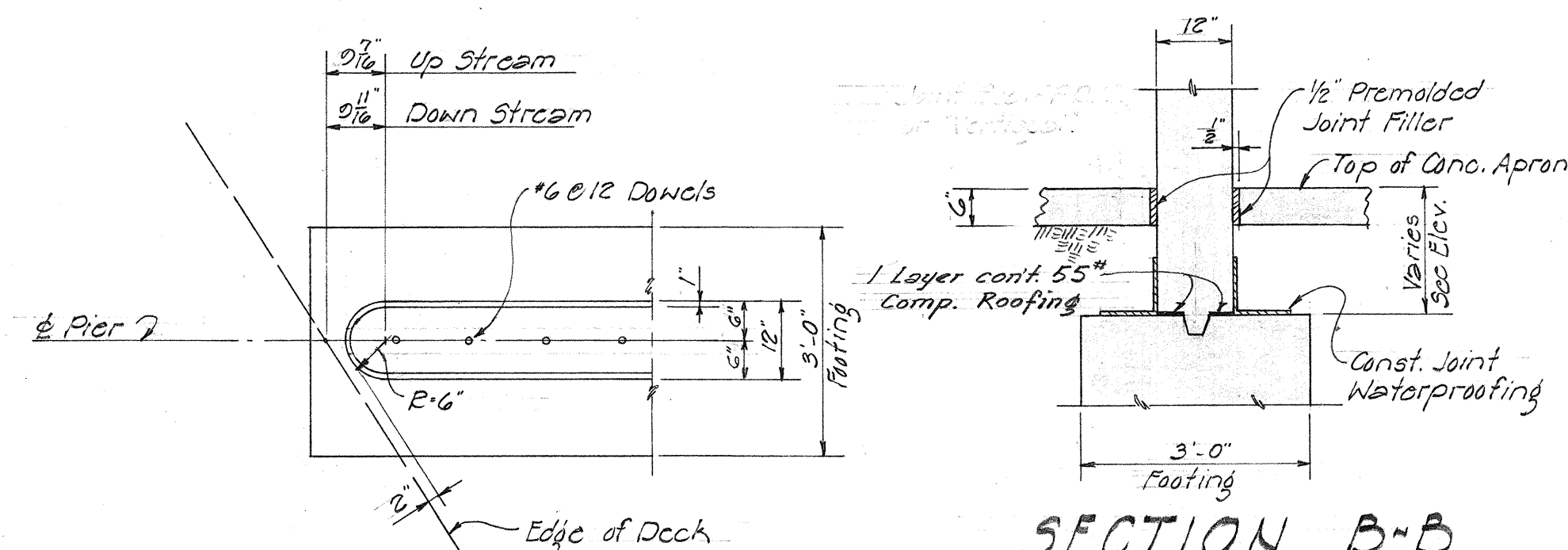
ELEVATION

PIER DETAILS

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

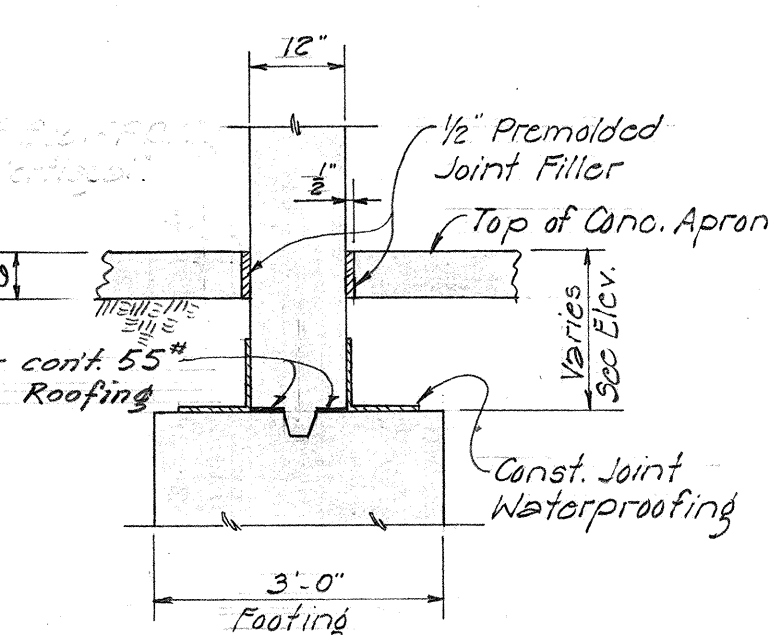


TYPICAL SEC. - PIER
Sec/c ~ 1/2" = 1'-0"

$$Scale \sim 1/2'' = 1'-0$$


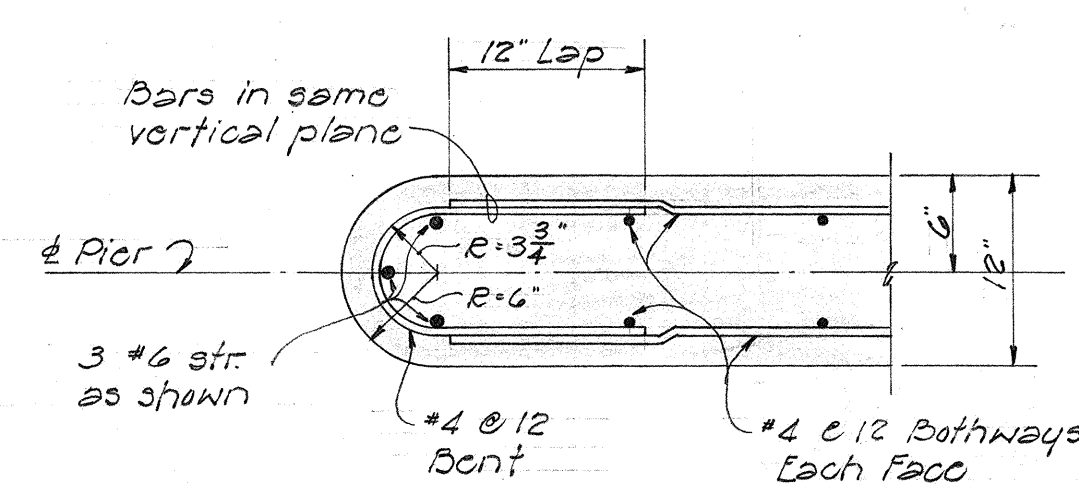
DETAIL "A"

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



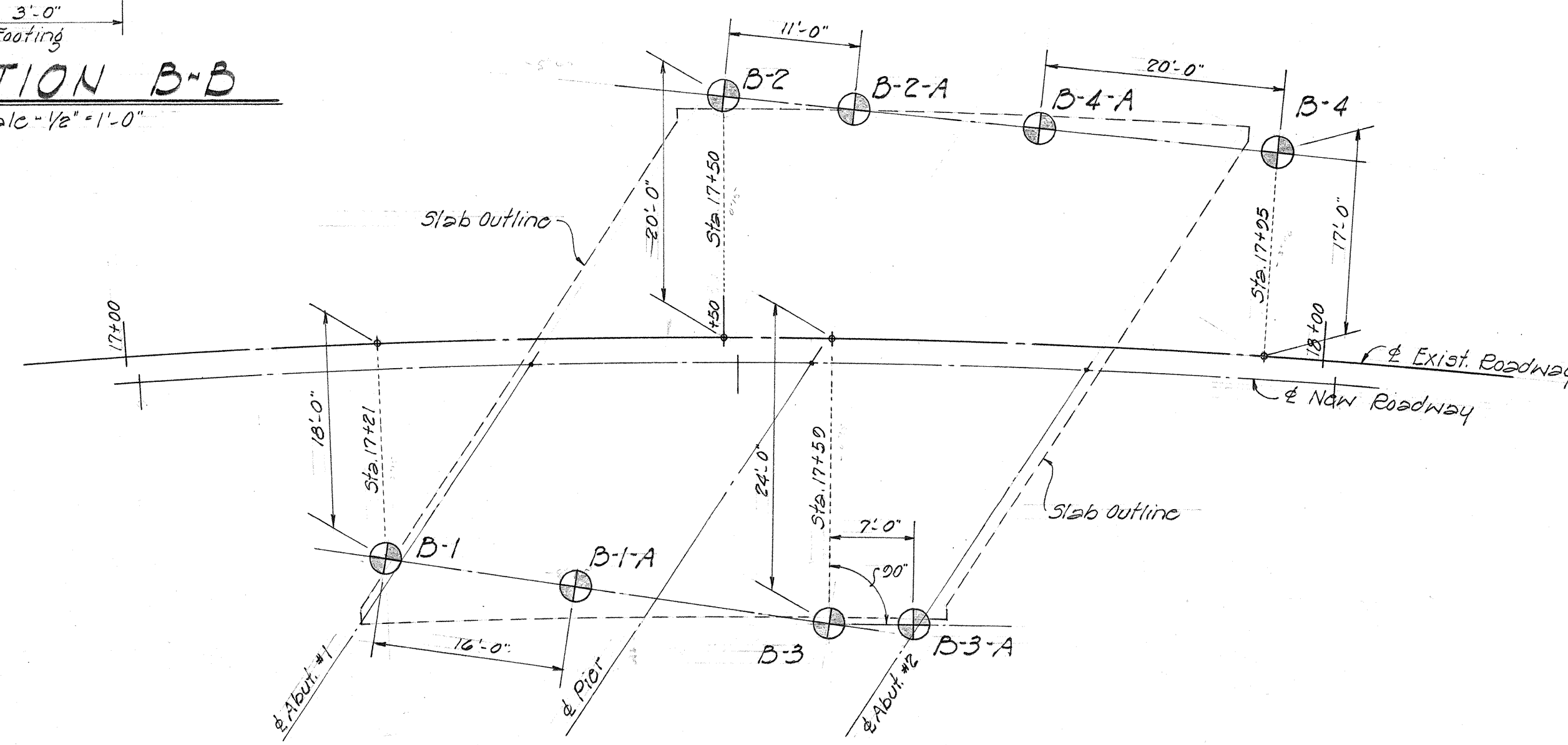
SECTION B-B

Scale - $1/2" = 1'-0"$



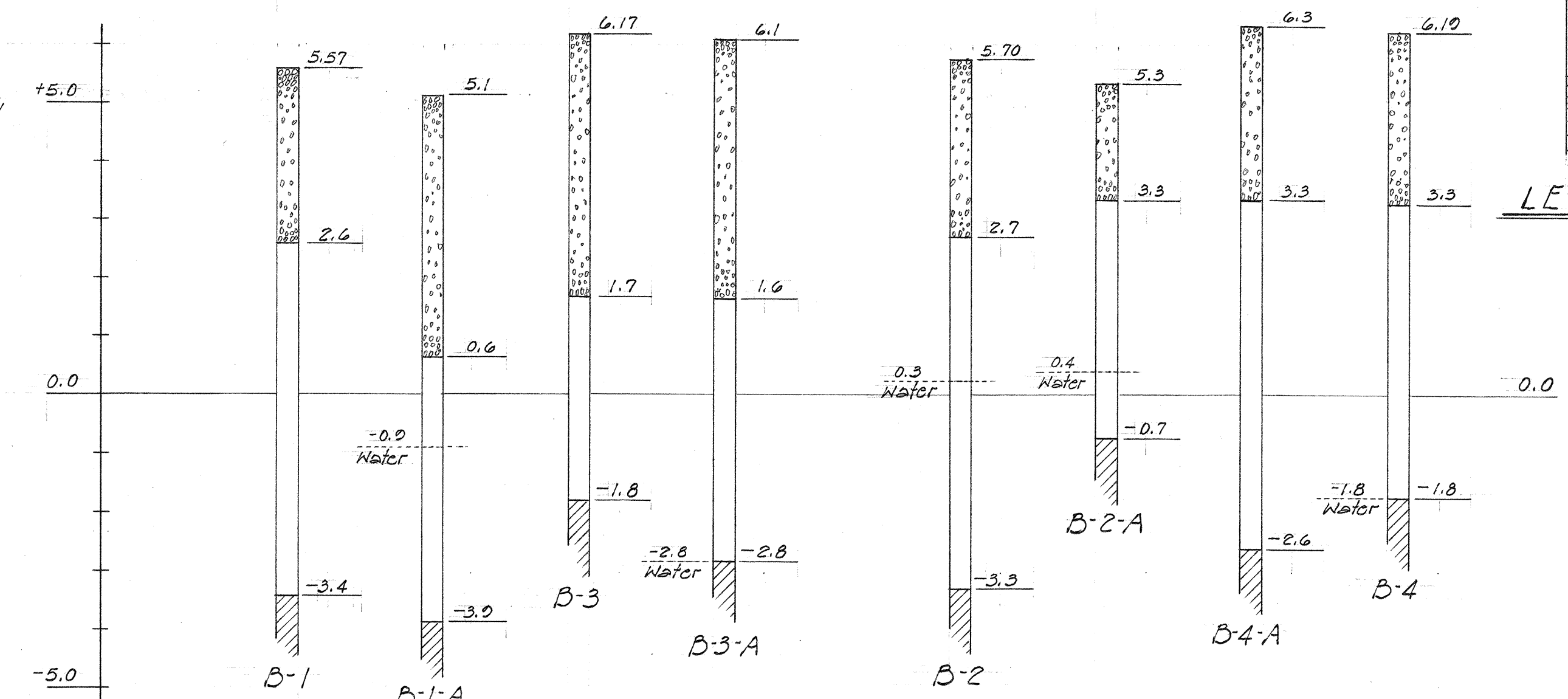
SECTION "A-A"

500/001" = 1" 0"

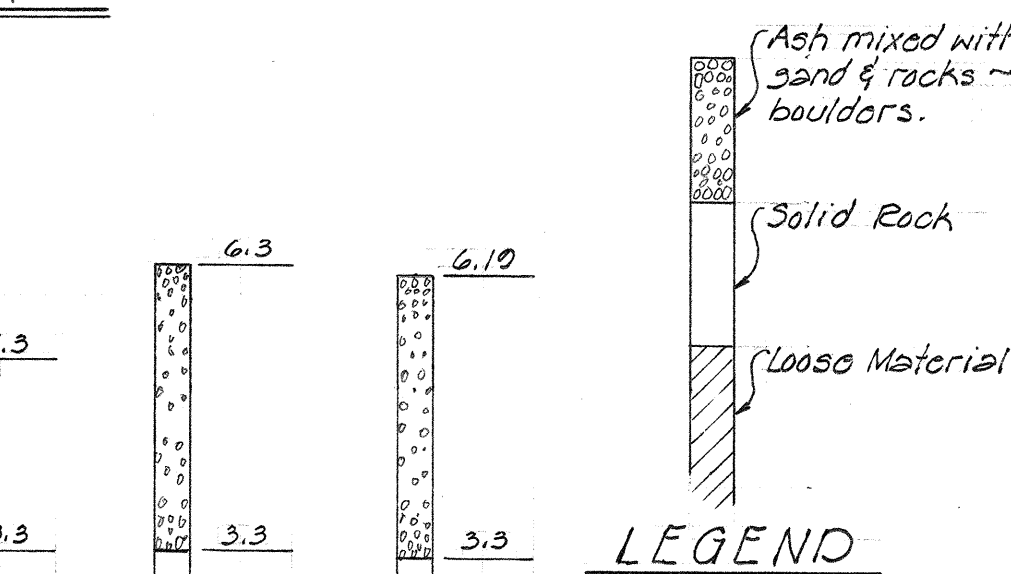


BORING LAYOUT

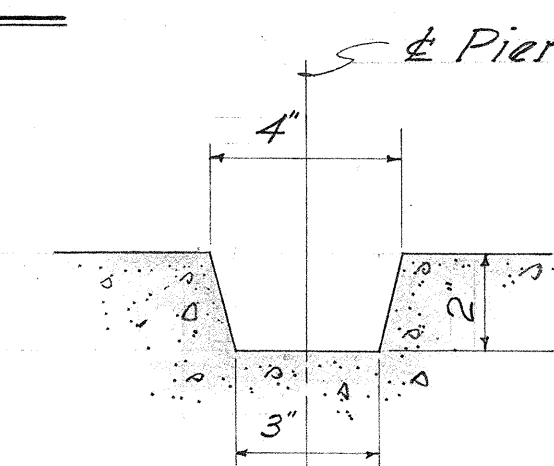
Scale $\sim 1'' = 10' \cdot 0''$



TEST PIT LOG



LEGEND



KEY DETAIL

Scale: 3" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAWAIHAE BRIDGE

Sta. 17+29.44 to Sta. 17+81.27

KAWAIIHAE RD. PROJ. No. 5-0260(1)

Jan. 1959

SHEET No. 5 OF 5 SHEETS