FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0720(1) UNIT 2	1958	77	109

October 14, 1958

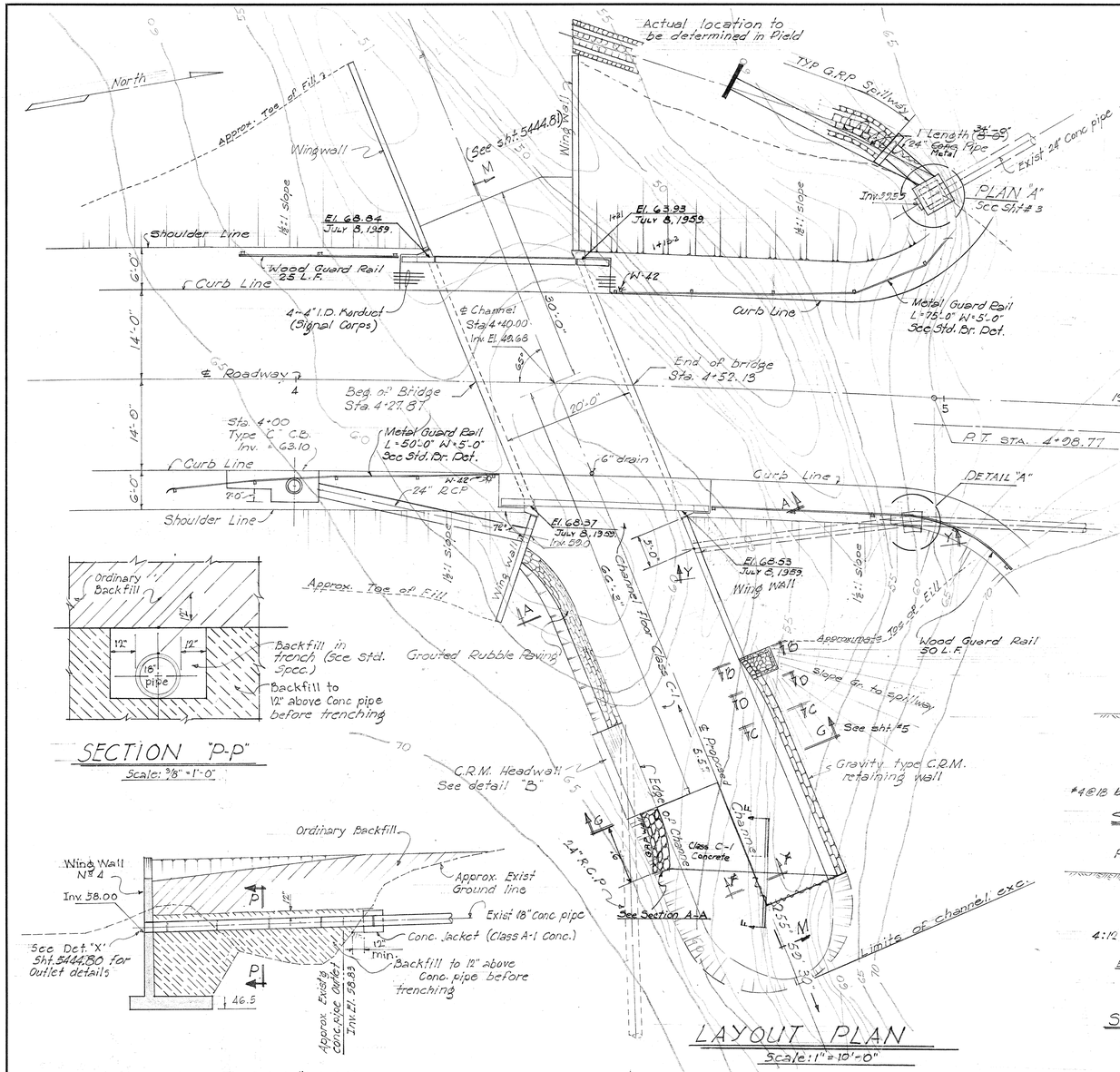
KAHAUIKI MAUKA BRIDGE

Sta. 4+27.87 - 4+52.13

Moanalua Rd. Proj S-0720(1)

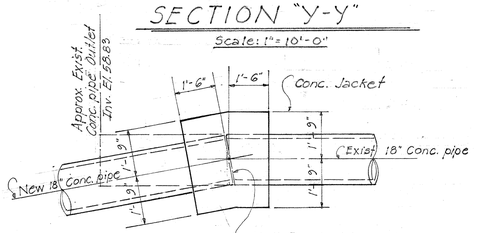
Nov. 1957 UNIT-2

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

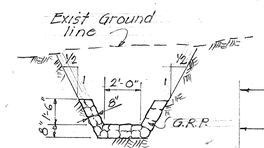


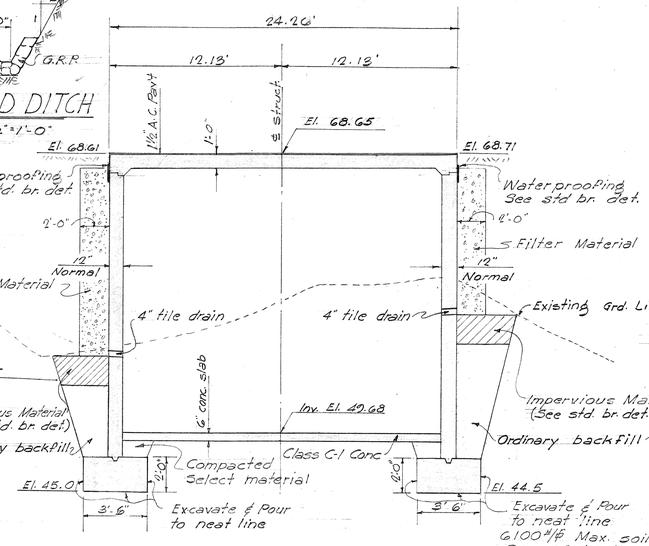
SECTION "P-P"
Scale: 3/8" = 1'-0"

SECTION "Y-Y"
Scale: 1" = 10'-0"

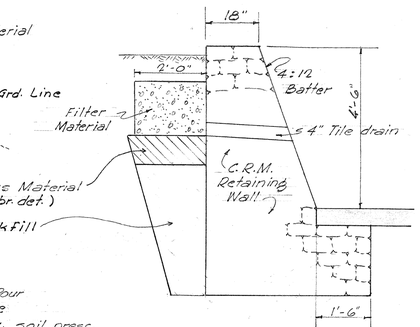


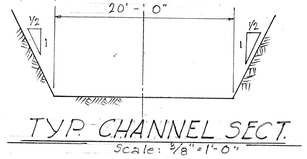
DETAIL "A"
Scale: 3/8" = 1'-0"





LONG. SECT. ALONG ℄ RDWY.
Scale: 1" = 5'-0"





TYP. CHANNEL SECT.
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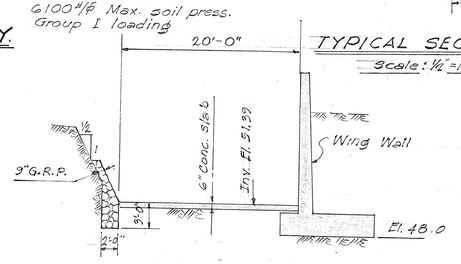
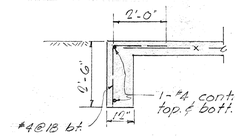


SECTION "A-A"
Scale: 1/8" = 1'-0"



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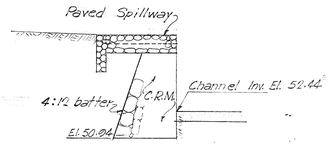

SECTION "B-B"
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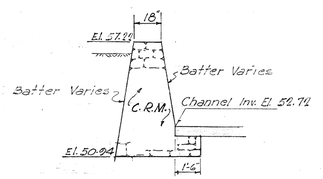

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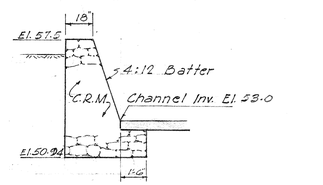
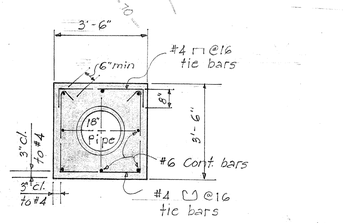
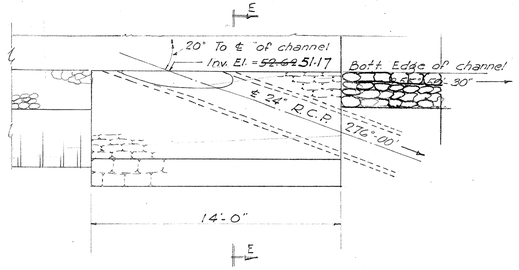


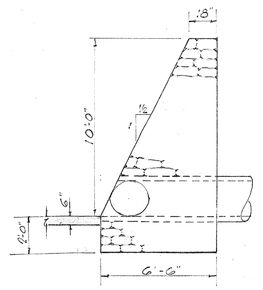
SECTION "C-C"
Scale: 1/4" = 1'-0"



TYP. CONC. JACKET DET.
Scale: 3/8" = 1'-0"



DETAIL "B"
Scale: 1/4" = 1'-0"



SECTION "E-E"
Scale: 1/4" = 1'-0"

GENERAL NOTES!! See Sht 5444.82

ESTIMATED QUANTITIES See Sht 5444.82

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DESIGNED BY J. ARAKAKI	
	DRAWN BY J. ARAKAKI	
	TRACED BY J. ZUNIGA	
NOTE BOOK	QUANTITIES BY J. ARAKAKI	
No.	CHECKED BY J. Akau	

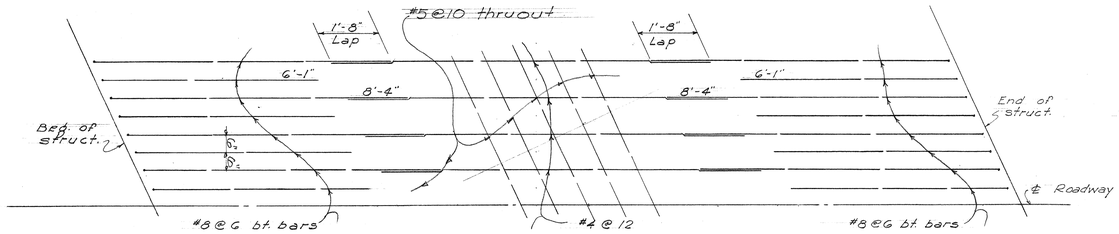
SHEET No. 1 OF 6 SHEETS

5444.77

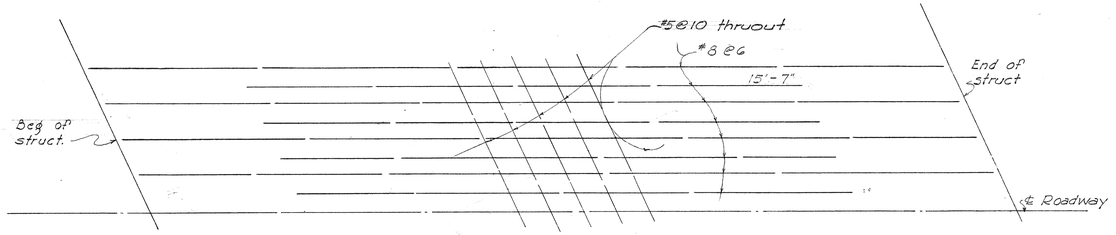
PRINTED ON DIEPO 1000H CLEARPRINT

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0720(1) UNIT 2	1958	78	109

October 14, 1958



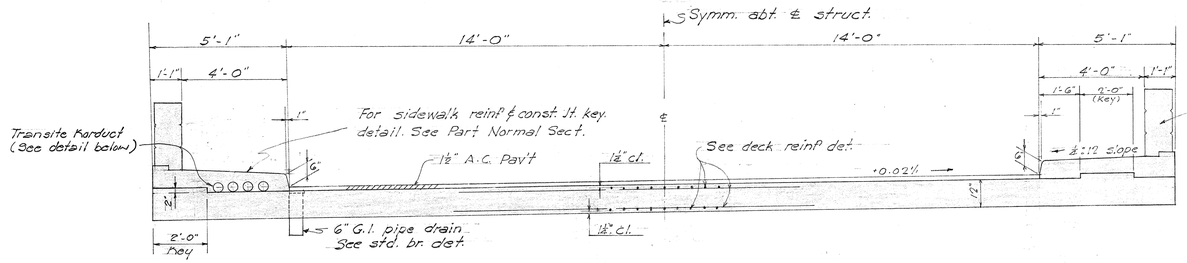
TOP LAYER REINF.



BOTT. LAYER REINF.

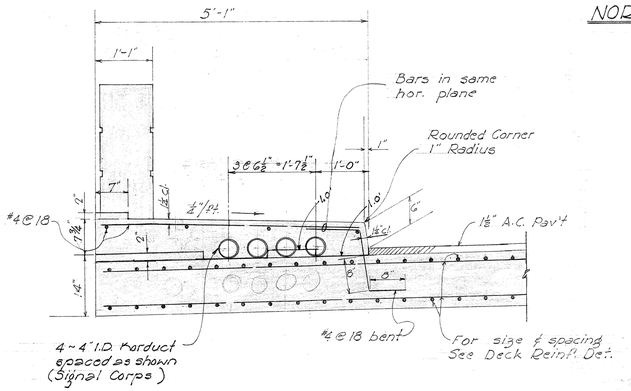
DECK REINF. DET.

Scale: ½"=1'-0"



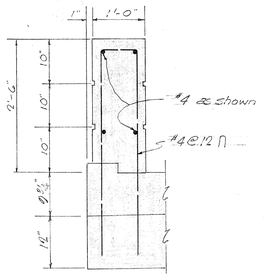
NORMAL SECTION

Scale: ⅜" = 1'-0"



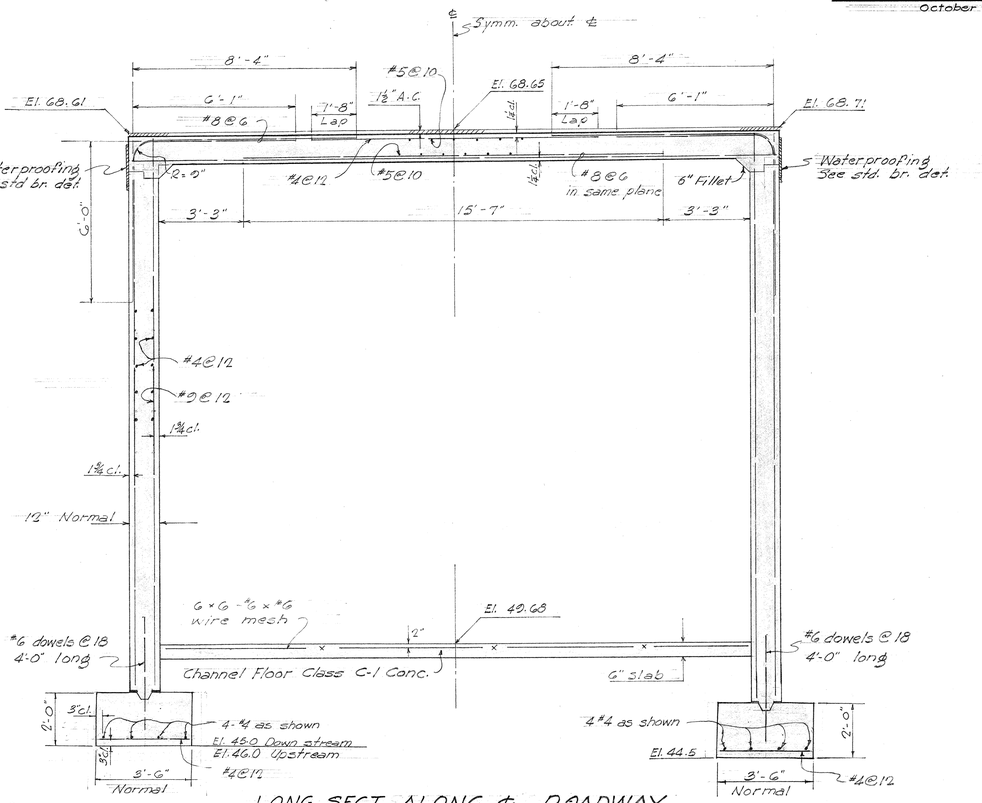
PART NORMAL SECTION

Scale: ¾" = 1'-0"



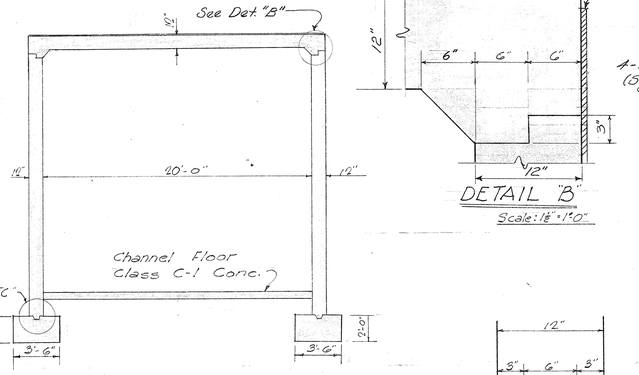
DETAIL "A"

Scale: ¾" = 1'-0"



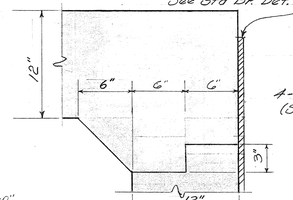
LONG. SECT. ALONG ℄ ROADWAY

Scale: ⅜" = 1'-0"



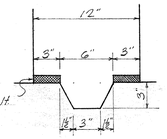
NORMAL SECTION OF FRAME

Scale: ¾" = 1'-0"



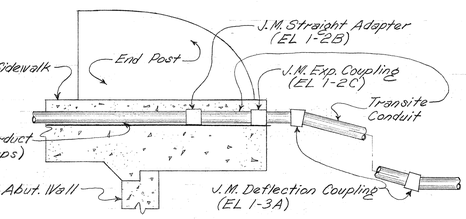
DETAIL "B"

Scale: 1½" = 1'-0"



DETAIL "C"

Scale: 1½" = 1'-0"



TYPICAL DETAIL
TRANSITE DUCTS AT ABUT.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DESIGNED BY L.A.	
	DRAWN BY	
	TRACED BY T.F.	
NOTE BOOK No.	QUANTITIES BY	
	QUANTITIES CHECKED BY T.F.	
	CHECKED BY L.A.	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAHAUIKI MAUKA BRIDGE
Sta. 4+27.87 - 4+52.13

Moanalua Rd. Proj. S-0720(1)
Nov. 1957 UNIT-2

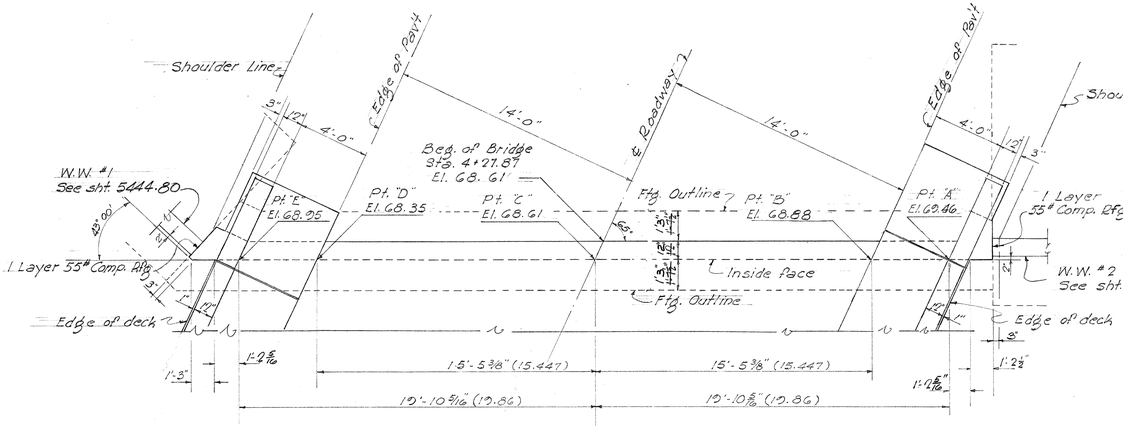
SHEET No. 1 OF 6 SHEETS

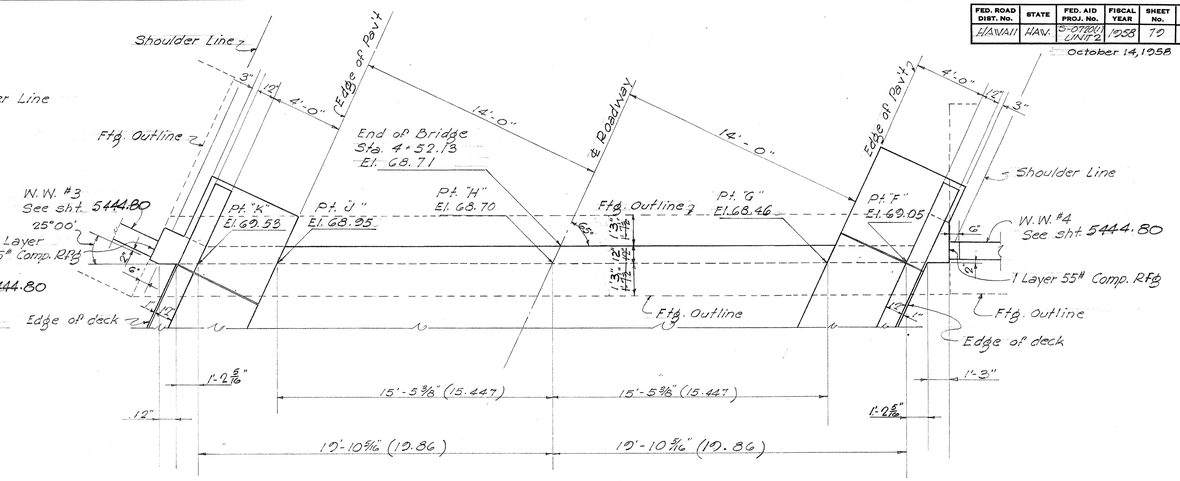
5444.78

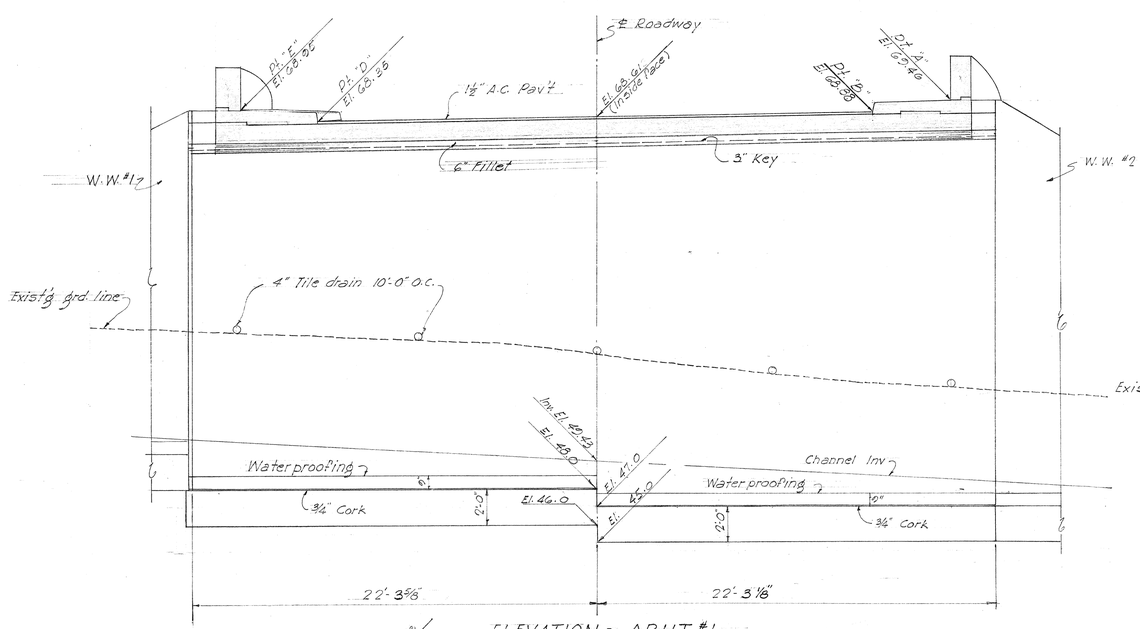
PRINTED ON DIEPO 1000H CLEARPRINT

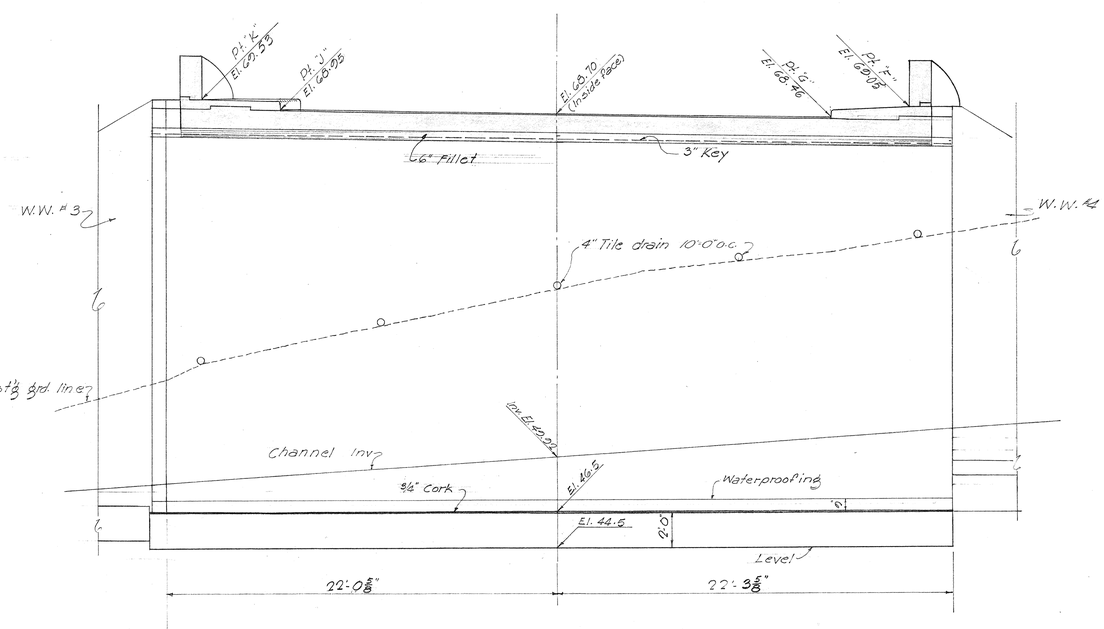
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0720(1) UNIT 2	1958	79	100

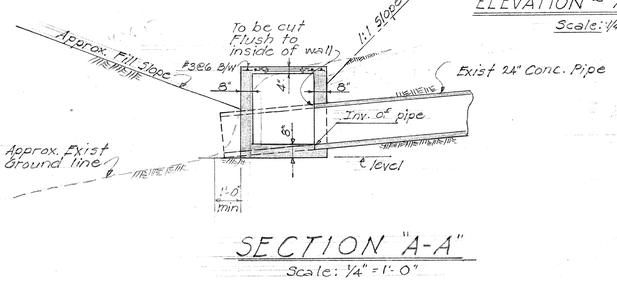
October 14, 1958

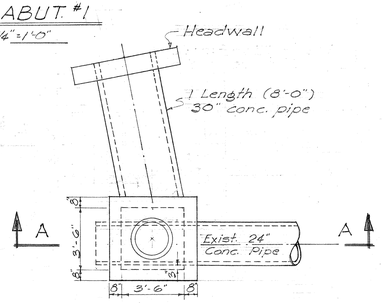




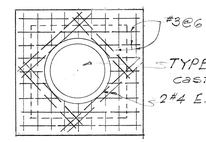


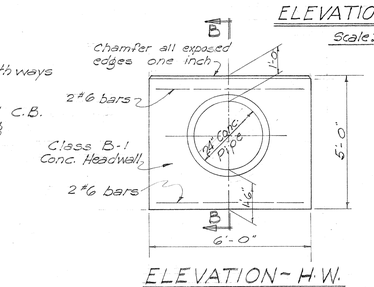


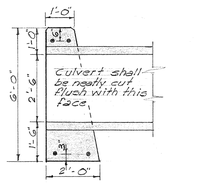




Note!!
For reinf. See Sht. 5444.78







ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DESIGNED BY T.A.	
	DRAWN BY T.A.	
	TRACED BY T.A.	
NOTE BOOK No.	QUANTITIES BY T.A.	
	CHECKED BY T.A.	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAHAUIKI MAUKA BRIDGE
Sta. 4+27.87 ~ 4+52.13

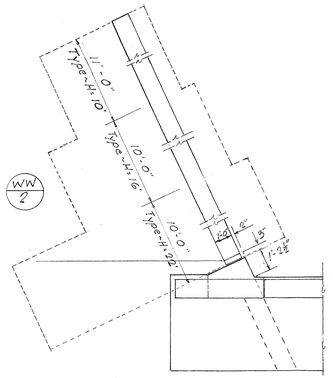
Moanalua Rd. Proj. S-0720(1)
Nov. 1957 UNIT ~ 2

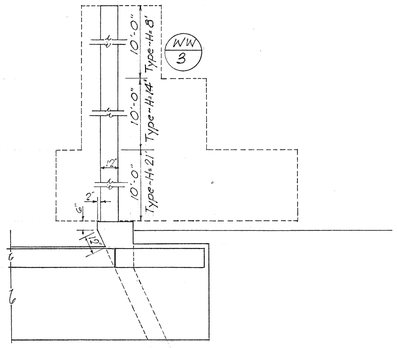
SHEET No. 9 OF 6 SHEETS

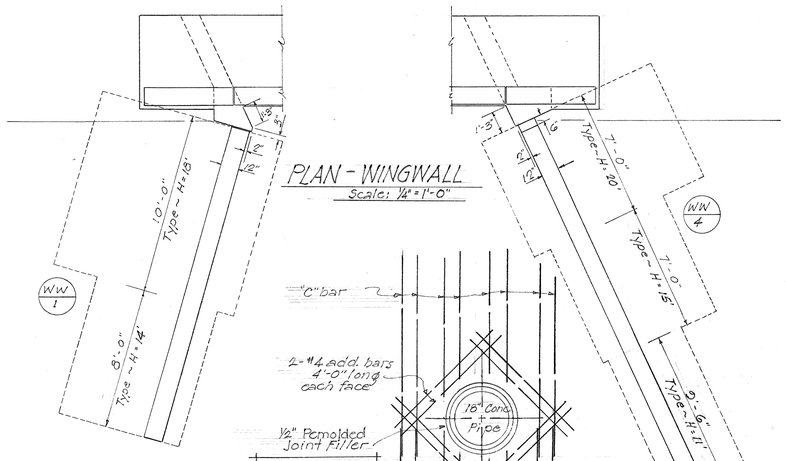
5444.79

PRINTED ON DIEPO 1000H CLEARPRINT

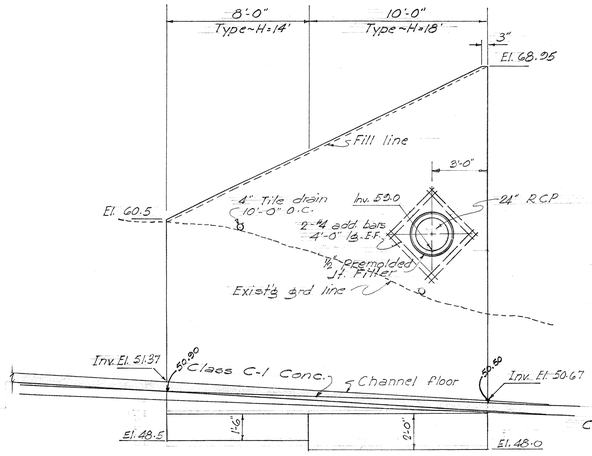
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0720(1) UNIT 2	1958	80	100



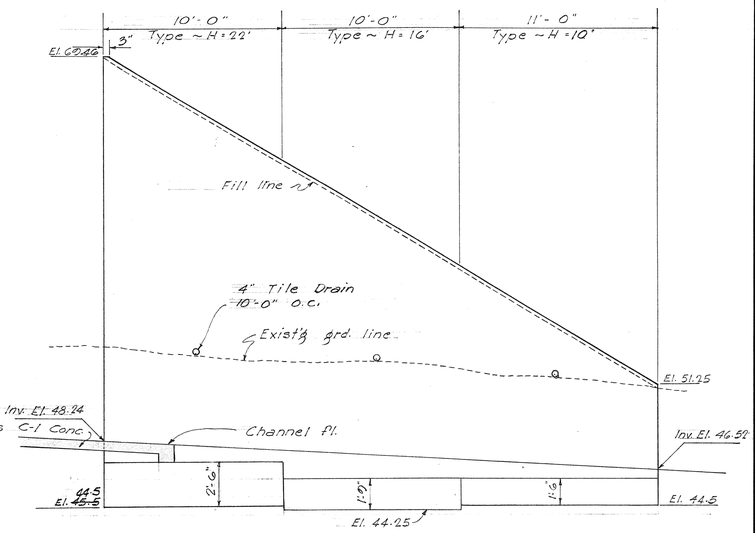




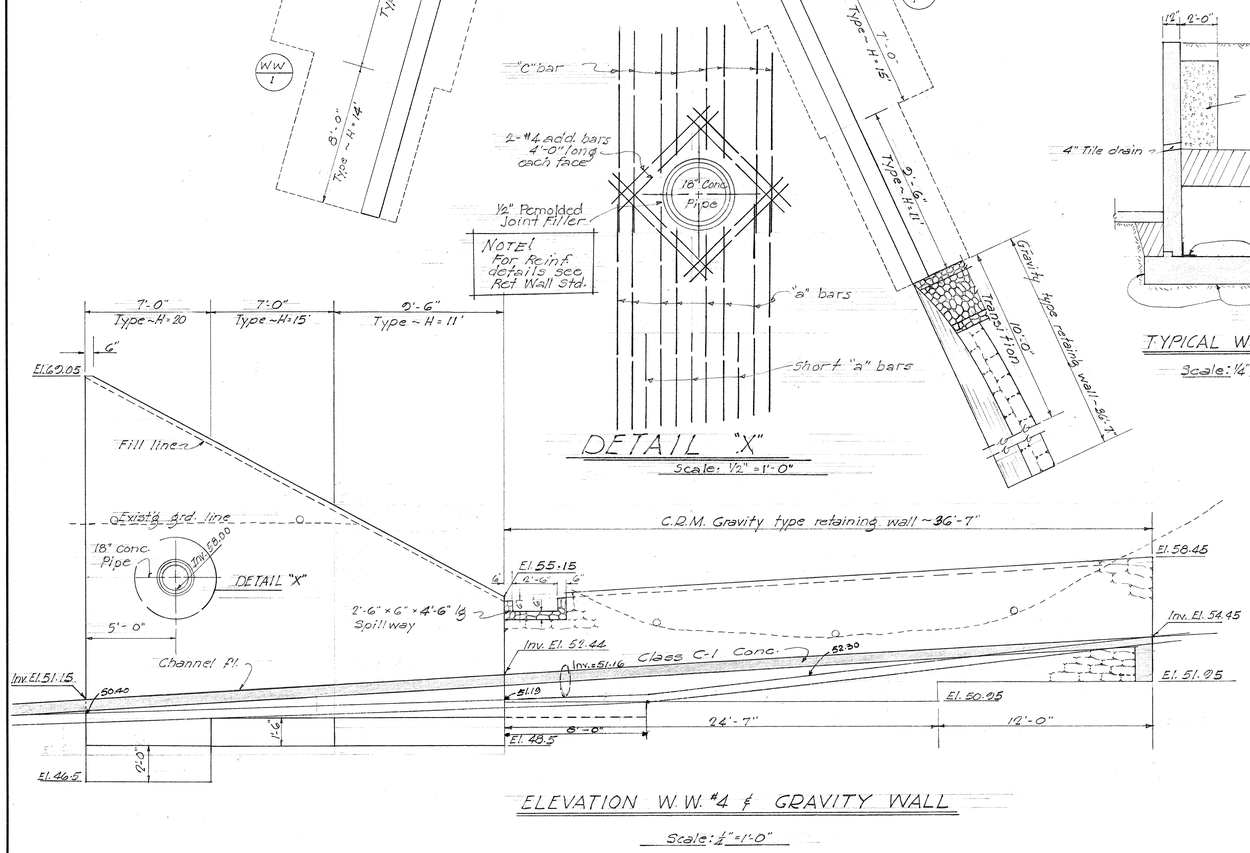
PLAN - WINGWALL
Scale: 1/4"=1'-0"



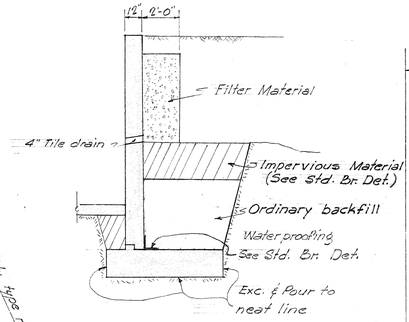
ELEVATION W.W. #1
Scale: 1/4"=1'-0"



ELEVATION - W.W. #2
Scale: 1/4"=1'-0"

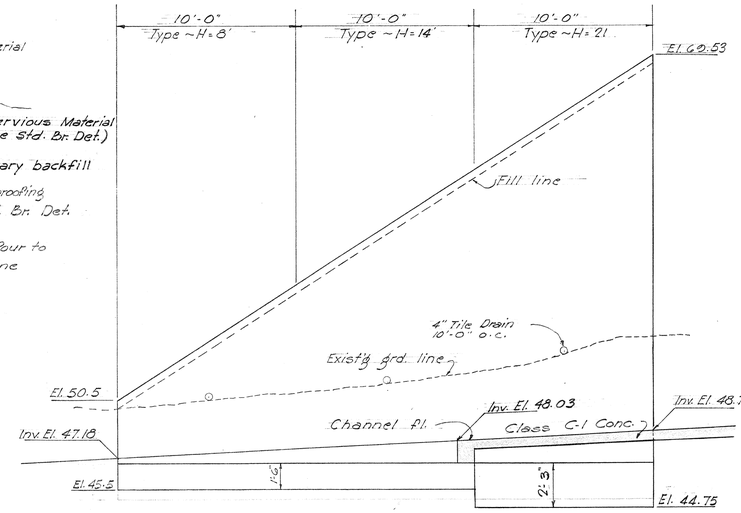


ELEVATION W.W. #4 & GRAVITY WALL
Scale: 1/4"=1'-0"

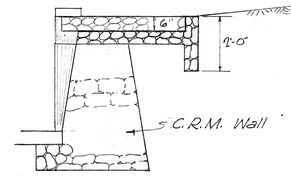


TYPICAL W.W. SEC.
Scale: 1/4"=1'-0"

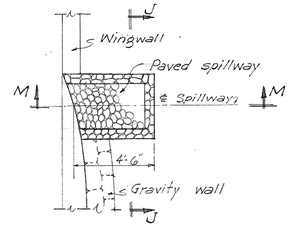
DETAIL "X"
Scale: 1½"=1'-0"



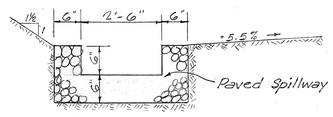
ELEVATION W.W. #3
Scale: 1/4"=1'-0"



SECTION "M-M"
Scale: 3/8"=1'-0"



PLAN - SPILLWAY Scale: 1/4"=1'-0"



SECTION "J-J"
Scale: 3/4"=1'-0"

ORIGINAL PLAN	NOTE BOOK No.	SURVEY PLOTTED BY	DESIGNED BY	DRAWN BY	TRACED BY	QUANTITIES BY	QUANTITIES CHECKED BY	CHECKED BY	DATE
		T.K.	T.K.	T.K.	T.K.	T.K.	T.K.A.	T.K.A.	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAHAUIKI MAUKA BRIDGE
Sta. 4+27.87~4+52.13

Moanalua Rd. Proj. S-0720(1)
Nov. 1957 UNIT-2

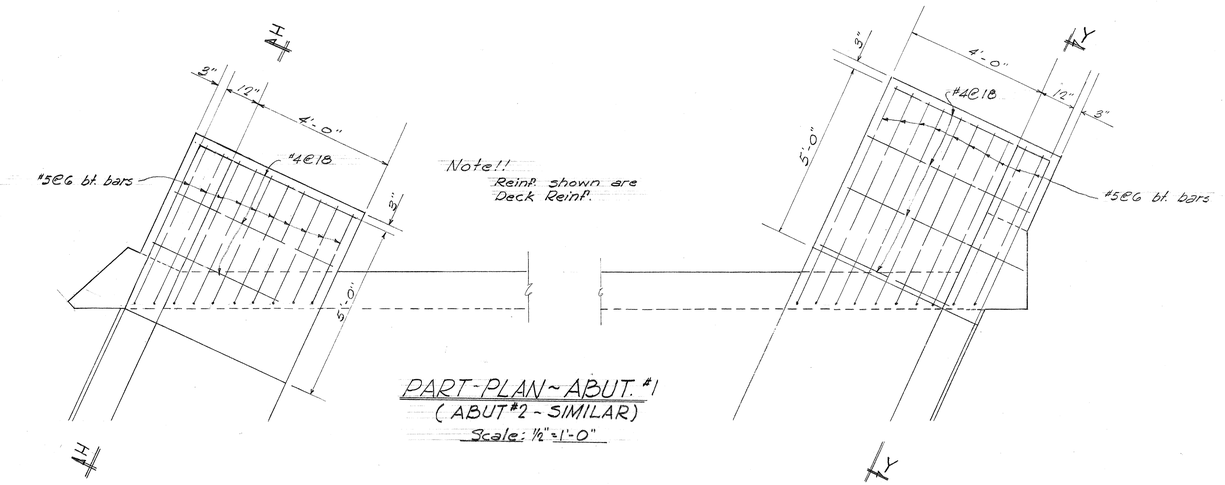
SHEET No. 4 OF 6 SHEETS

5444.80

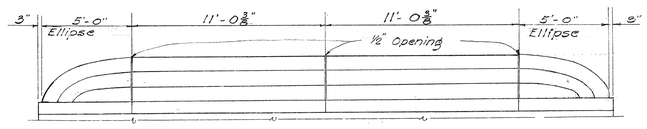
PRINTED ON DIEPO 1000H CLEARPRINT

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0720(1) UNIT 2	1958	81	101

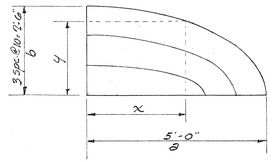
October 14, 1958

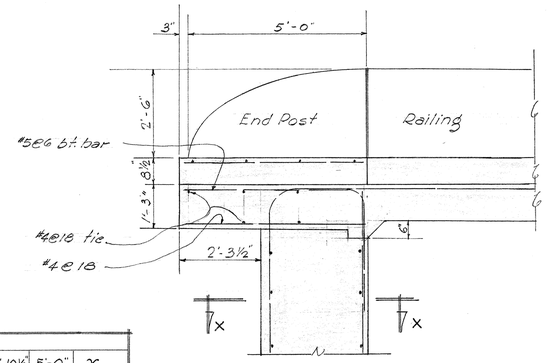


PART-PLAN-ABUT. #1
(ABUT #2 - SIMILAR)
Scale: ½"=1'-0"

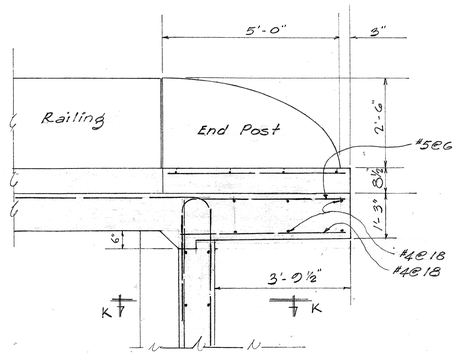


ELEVATION-RAILING - UPSTREAM
(DOWNSTREAM RAILING SIMILAR)
Scale: ¼"=1'-0"

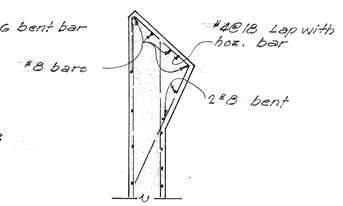




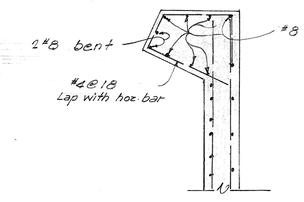
ELEVATION "Y-Y"
Scale: ½"=1'-0"



ELEVATION "H-H"
Scale: ½"=1'-0"



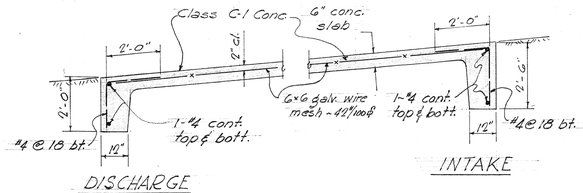
SECTION "K-K"
Scale: ½"=1'-0"



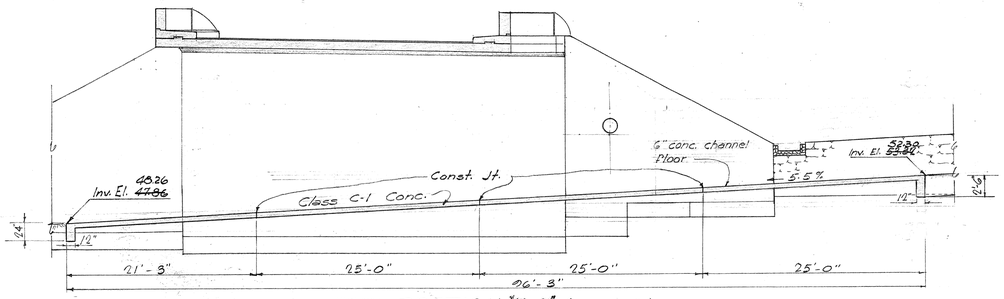
SECTION "X-X"
Scale: ½"=1'-0"

Top of Wall														
X	0	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-3"	4'-6"	4'-9"	4'-10½"	5'-0"	X
Y	2'-6"	2'-5⅜"	2'-4⅜"	2'-3½"	2'-2"	2'-0"	1'-9⅞"	1'-6"	1'-3⅛"	1'-1⅛"	0⅜"	6"	0"	Y
Top Line of Upper Groove														
X	0	6"	1'-0"	1'-6"	2'-0"	2'-6"	3'-0"	3'-3"	3'-6"	3'-9"	4'-0"	4'-1"	4'-2"	X
Y	1'-8"	1'-7⅞"	1'-7⅛"	1'-6⅛"	1'-5⅜"	1'-4"	1'-1⅛"	1'-0⅛"	10⅞"	8⅛"	5⅜"	4"	0	Y
Bott. Line of Lower Groove														
X	0	6"	1'-0"	1'-6"	2'-0"	2'-6"	2'-9"	3'-0"	3'-2"	3'-3"	3'-4"			X
Y	10"	9⅞"	9⅛"	8⅛"	8"	6⅝"	5⅝"	4⅞"	3⅛"	2¼"	0			Y

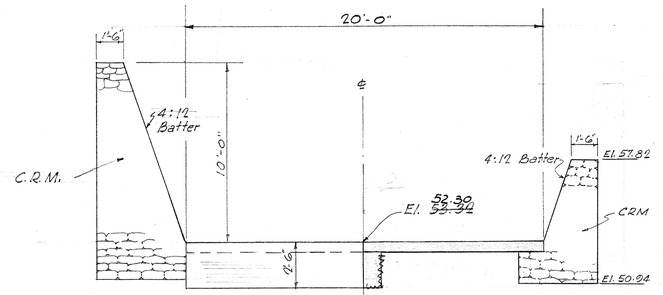
ELLIPSE COORDINATES



DISCHARGE
INTAKE
TYPICAL INV. SLAB SECTION
Scale: 3/8"=1'-0"



SECTION "M-M" (See Sht. #1)
Scale: 1/8"=1'-0"



SECTION G-G (See Sht. #1)
Scale: ¼"=1'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY:	DATE:
	DESIGNED BY: A.
	DRAWN BY: T. M.
NOTE BOOK No.	TRACED BY: T. C.
	QUANTITIES BY: T. M.
	QUANTITIES CHECKED BY: T. M.
	CHECKED BY: L. L.

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

KAHAUIKI MAUKA BRIDGE
Sta. 4+27.87 - 4+52.13

Moanalua Rd. Proj. S-0720(1)
Nov. 1957 UNIT-2

SHEET No. 5 OF 6 SHEETS

5444.81

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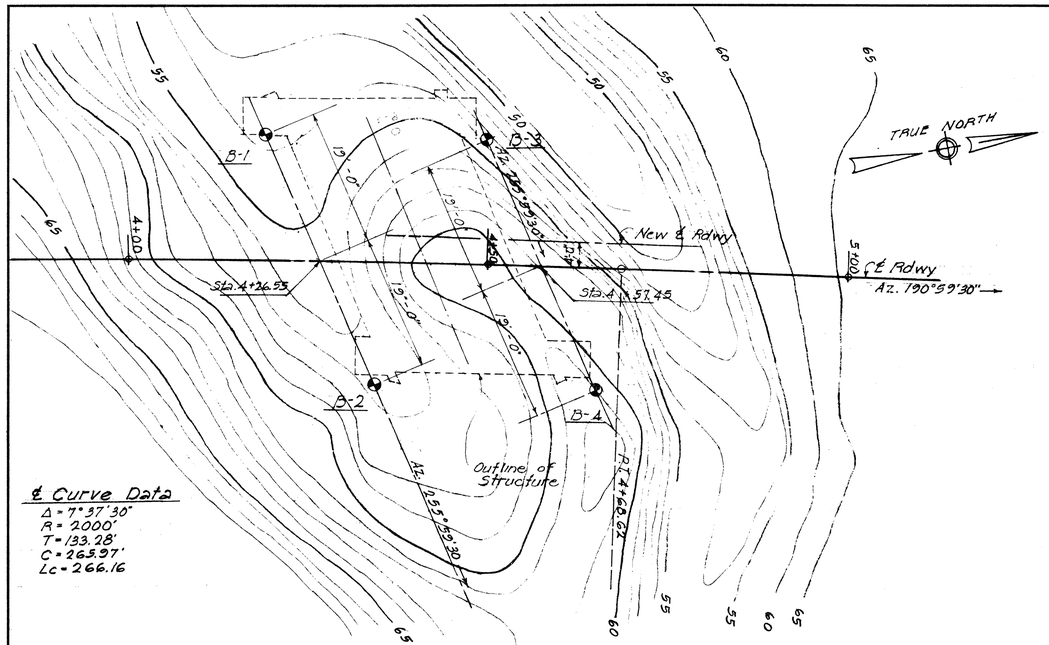
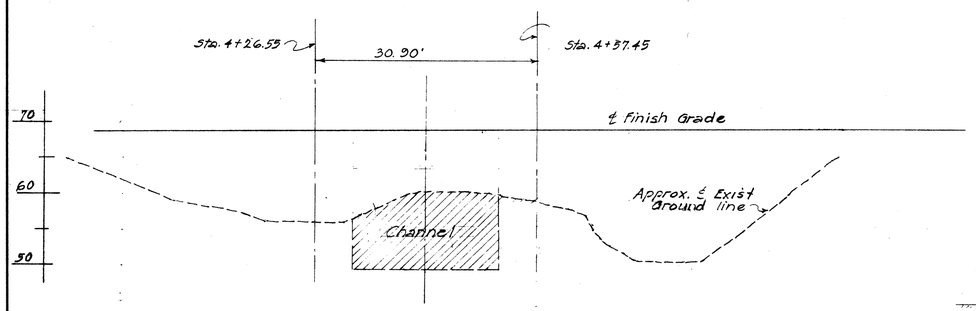
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-7120(1) UNIT-2	1958	82	109



℄ Curve Data
Δ = 7°57'30"
R = 2000'
T = 133.28'
C = 265.97'
Lc = 266.16

UPPER KAHAUIKI BRIDGE

Scale: 1"=10'-0"



LONG. SECT. ALONG ℄ RDWY.

Scale: 1"=10'-0"

GENERAL NOTES

DESIGN DATA:
Loading = H-20 S-16-44
fs = 20,000
fc = 1,200
n = 10

MATERIALS:
All concrete class A-1 except where noted

CONSTRUCTION METHODS:

Railings shall not be poured until after release of falsework.

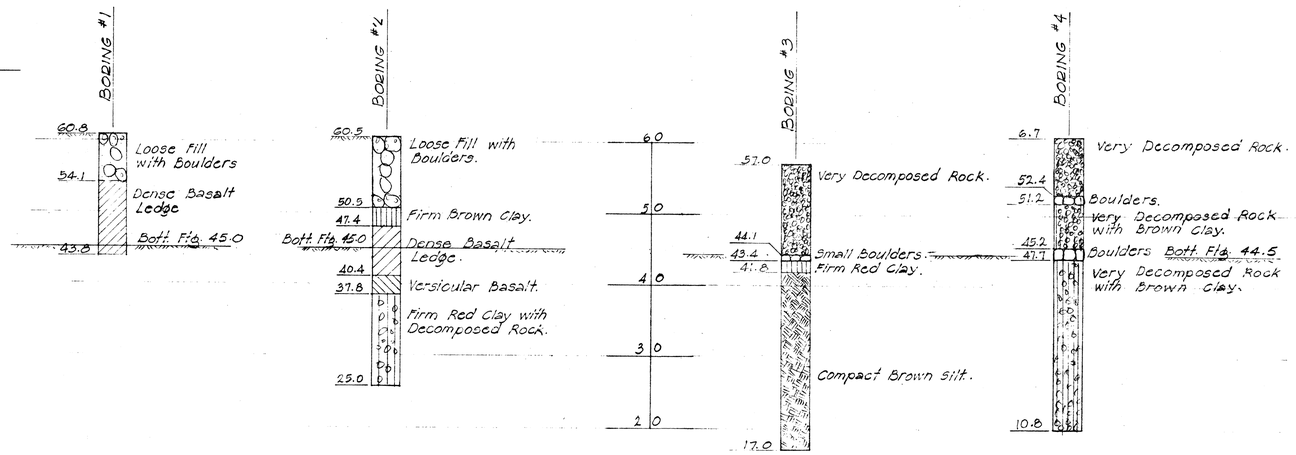
All footings shall be excavated and poured to neat lines except at heels of retaining walls. In case of over excavation space between footing and ground shall be filled with concrete at the contractor's expense. Fill concrete shall have a minimum quality of Class "D."

Backfill - Placing of fill at bridge shall not be started until after the concrete in the superstructure has reached a strength of 3,000 lbs per sq. in. in compression. Backfill shall be placed simultaneously at both abutments to minimize excessive earth pressure on one side.

ADMIXTURE:
Admixture of "plastiment" or approved equal shall be added to all concrete according to manufacturer's recommendations.

ESTIMATED QUANTITIES

Conc. in Bridge	Lump Sum
[Class A-1	274 c.y.]
Class C-1 Conc.	44 c.y.
Reinf. Steel	Lump Sum (42,100#)
Struct. Excavation	675 c.y.
Channel Excavation	210 c.y.
Filter Material	120 c.y.
C. R. M.	53 c.y.
G. R. P.	20 c.y.
Tack Coat	10 gals
A. C. Paving	9 Tons
Metal Guard Rail (Rdwy. Contr. Item)	125 Lin. Ft.
Wood Guard Rail (Rdwy Contr. Item)	75 Lin. Ft.



BORING LOG

Scale: 1"=10'-0"

ORIGINAL PLAN	NOTE BOOK No.	
		SURVEY PLOTTED BY: DATE 4/21/57
		DESIGNED BY:
		DRAWN BY: S. TAKABUSA 5/1/57
		TRACED BY:
		QUANTITIES BY:
		QUANTITIES CHECKED BY:
		CHECKED BY:

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
KAHAUIKI MAUKA BRIDGE
Sta. 4+27.87 - 4+52.13
MOANALUA RD Proj. S-0120(1)
Fort Shafter Section
JUNE 1957 UNIT-2

SHEET No. 6 OF 6 SHEETS

5444.82

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