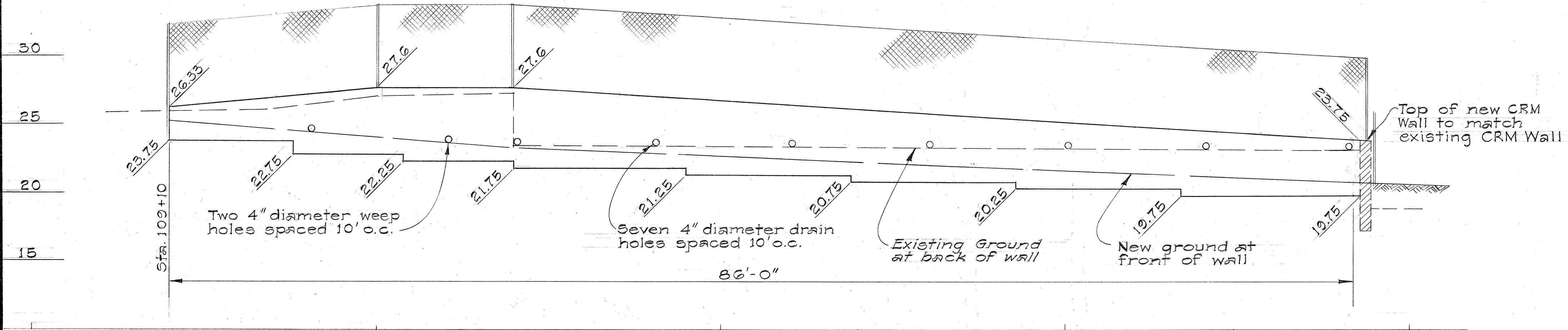
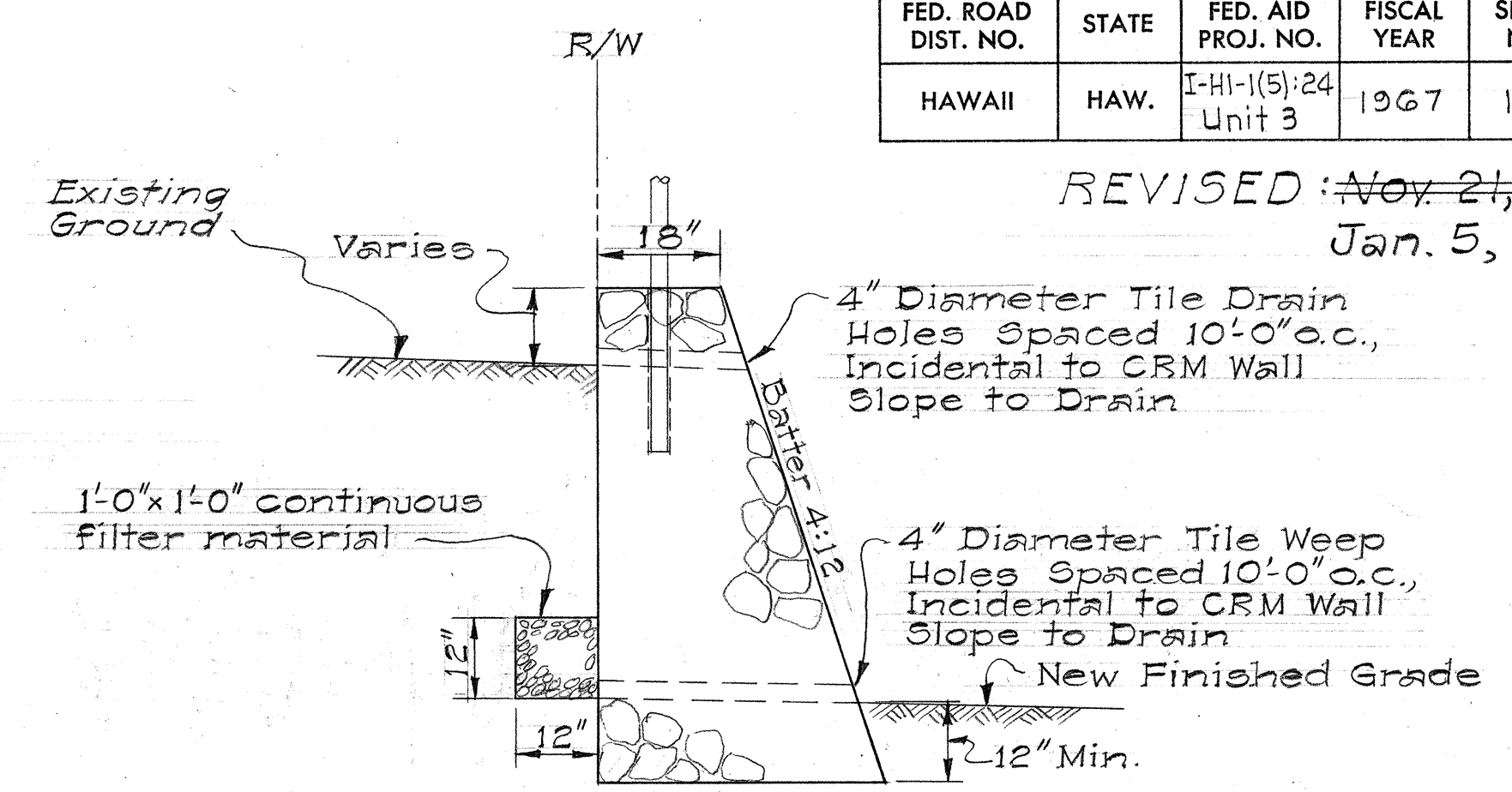


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(5):24 Unit 3	1967	11	152

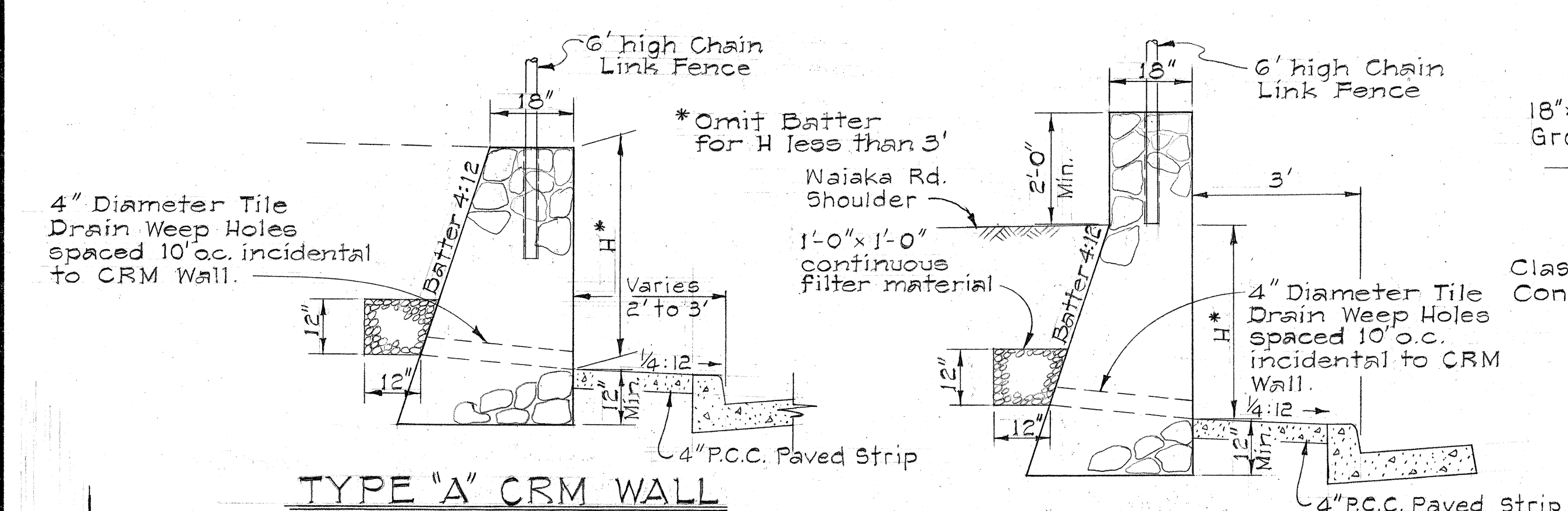
REVISED: Nov. 21, 1967
Jan. 5, 1968



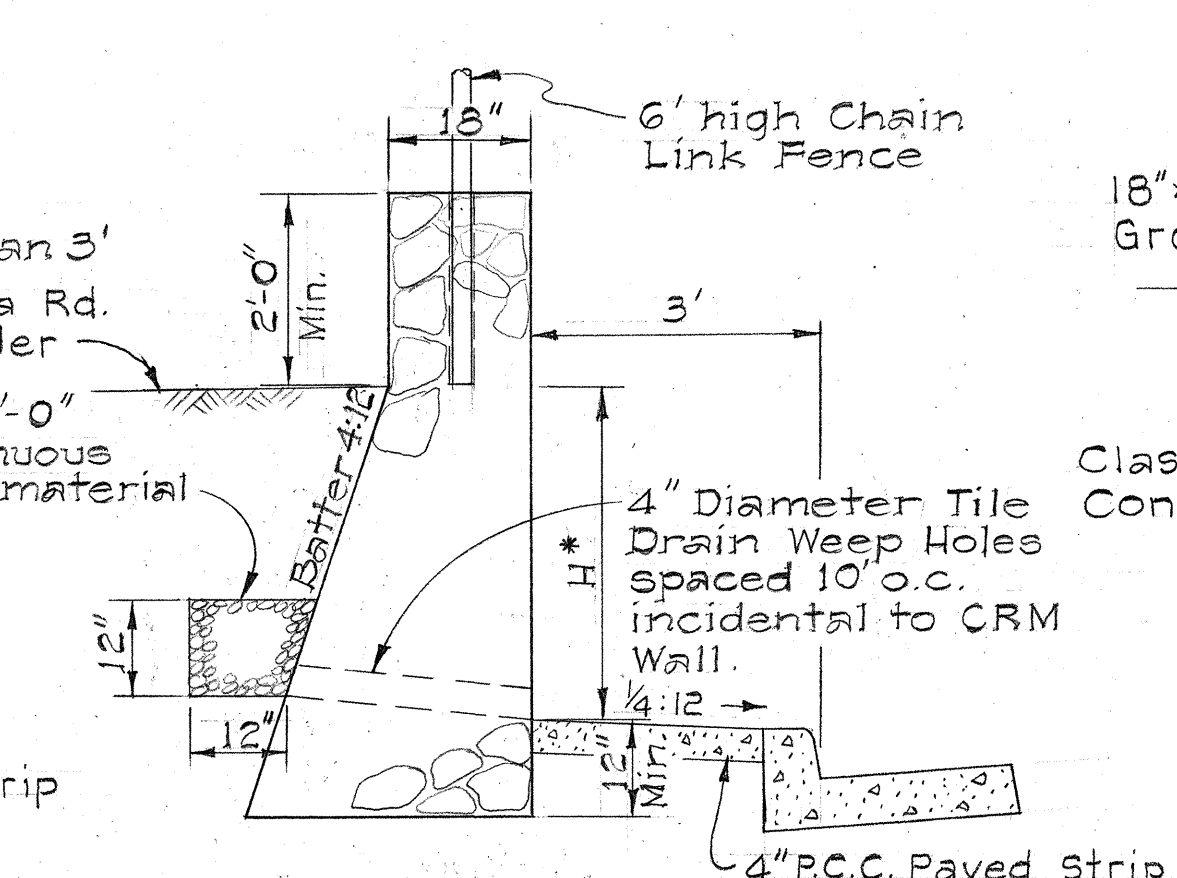
PROFILE OF CRM WALL NO. W-5
Scale: 1" = 5'



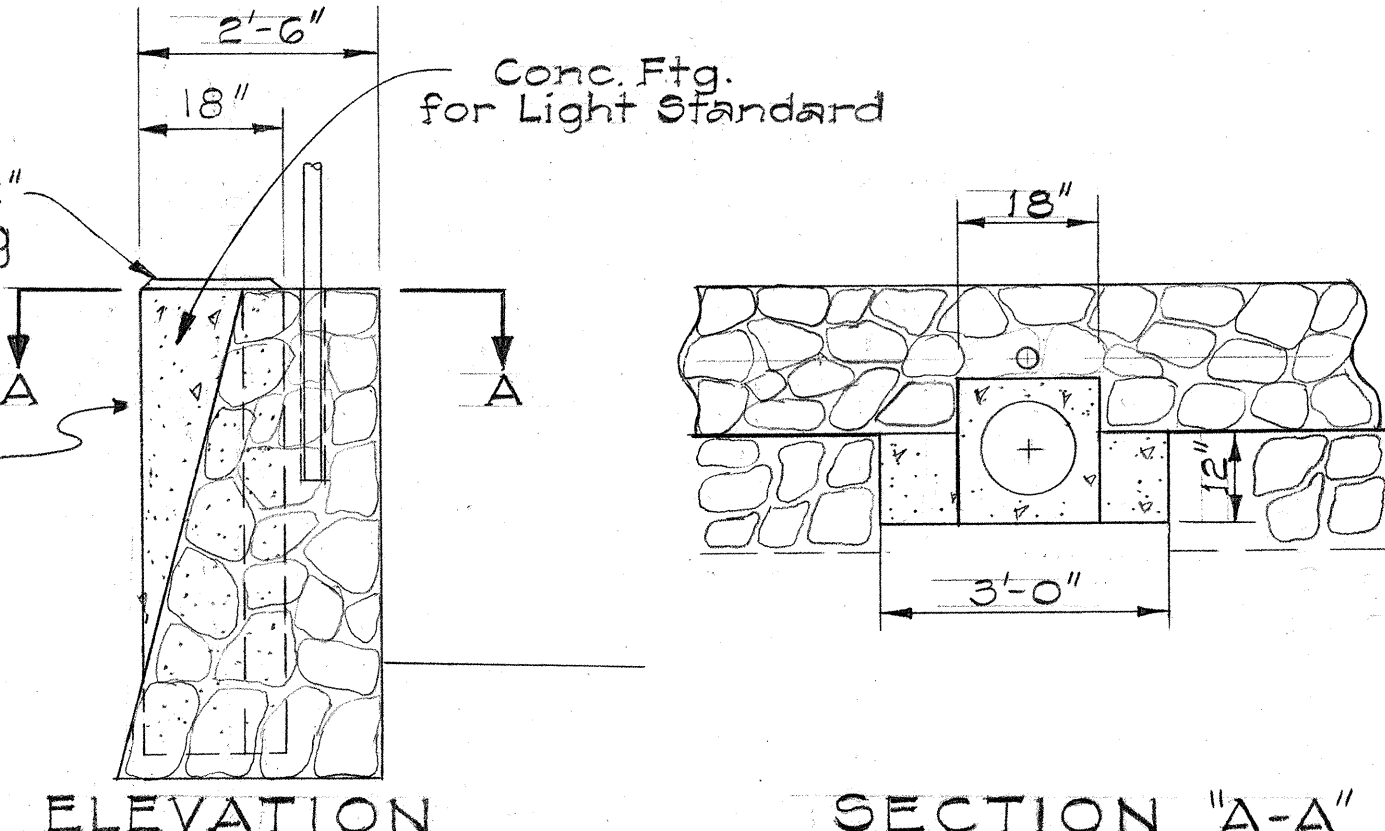
TYPICAL SECTION
CRM WALL W-5
Scale: 1/2" = 1'-0"



TYPE "A" CRM WALL
Scale: 1/2" = 1'-0"

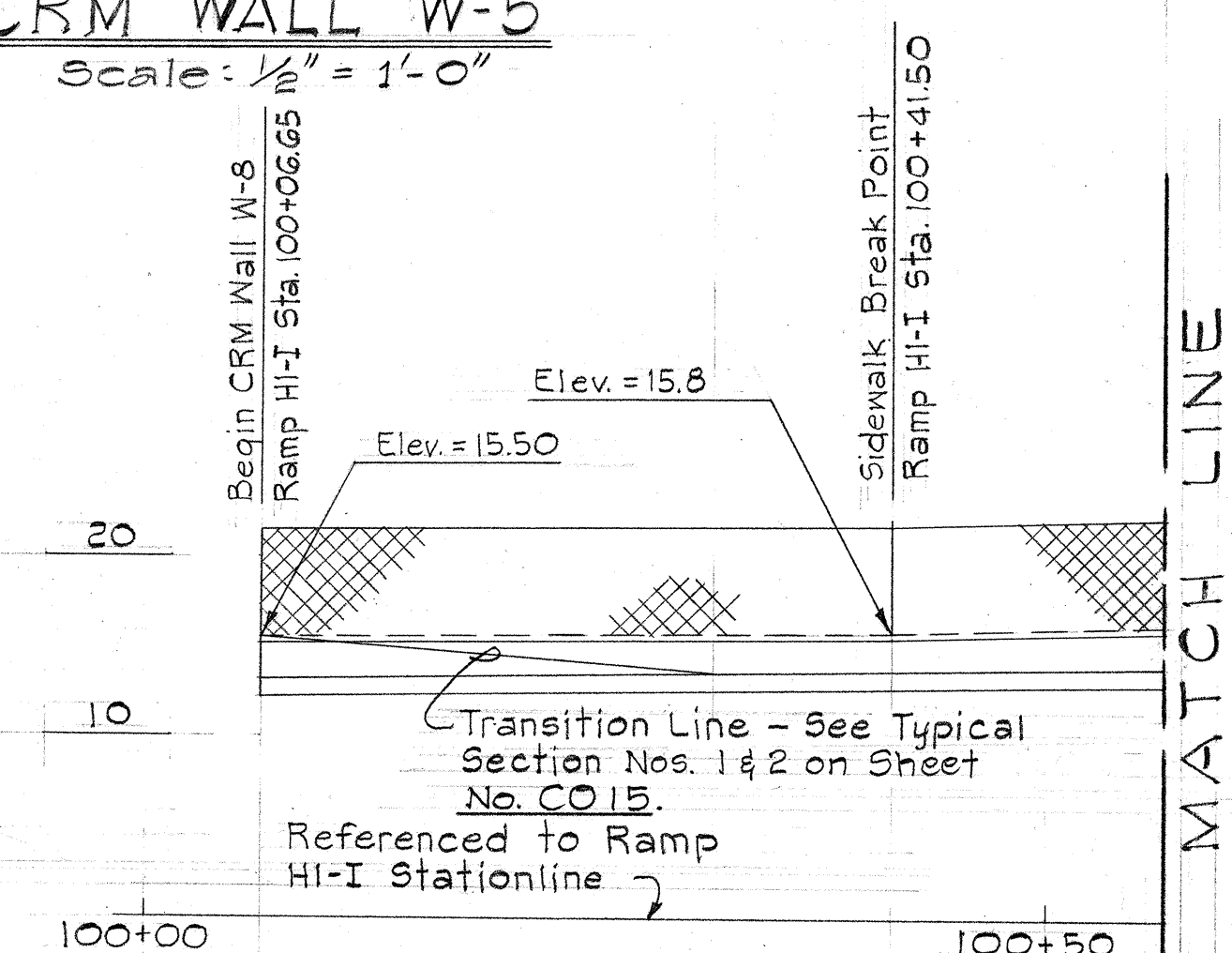


TYPE "B" CRM WALL
Scale: 1/2" = 1'-0"

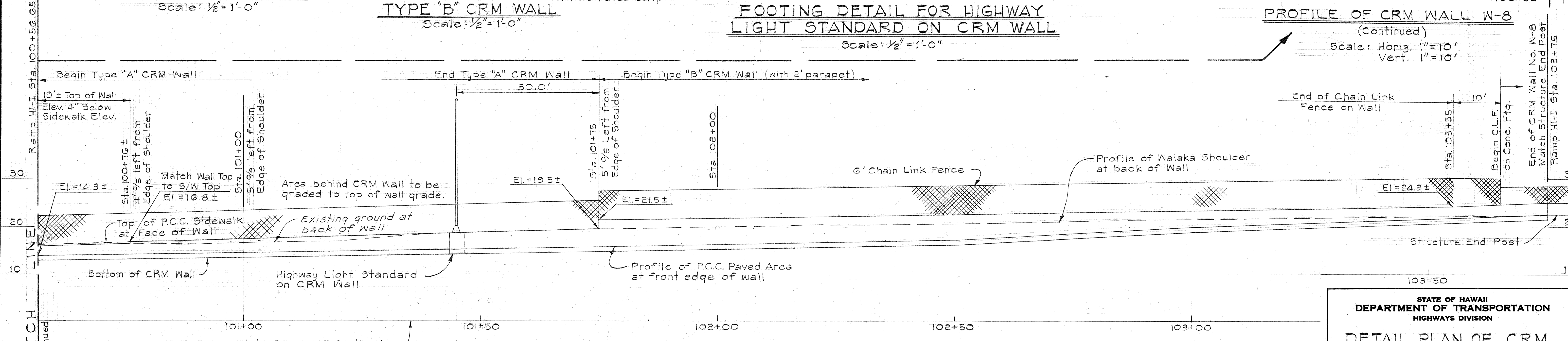


ELEVATION
SECTION "A-A"
FOOTING DETAIL FOR HIGHWAY LIGHT STANDARD ON CRM WALL
Scale: 1/2" = 1'-0"

See Highway Lighting Details for footing reinforcing, anchor bolt and other requirements for lamp post base foundation. Construction of the concrete footing shall be included in and paid for under Contract Item No. 112.040



PROFILE OF CRM WALL W-8
(Continued)
Scale: Horiz. 1" = 10'
Vert. 1" = 10'



PROFILE OF CRM WALL W-8
Scale: Horiz. 1" = 10'
Vert. 1" = 10'

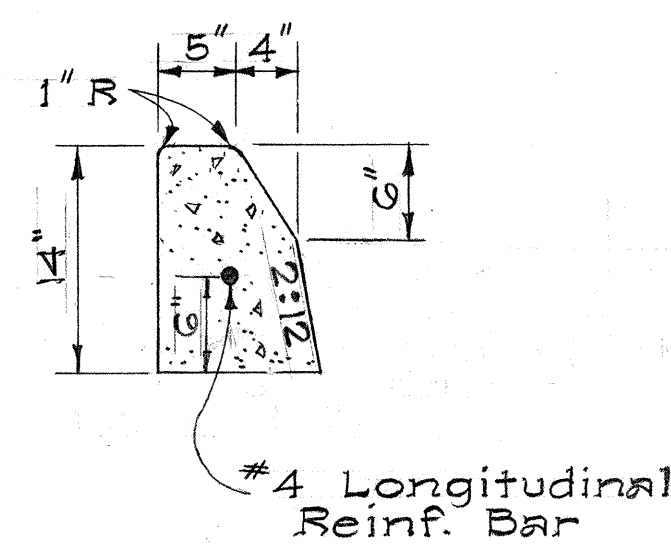
THIS SHT. SUPERSEDES SHT. No. 11

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

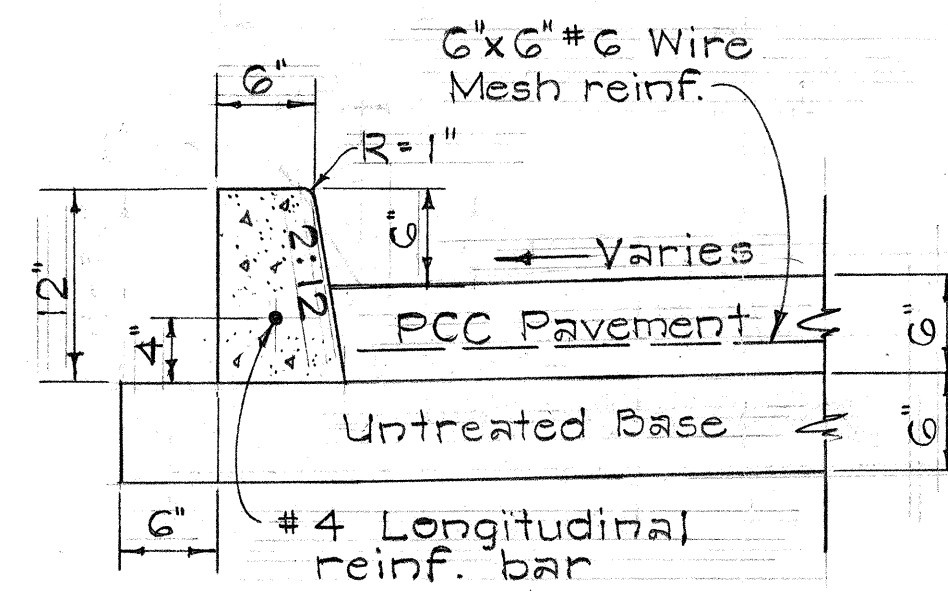
DETAIL PLAN OF CRM
WALL NOS. W-5 AND W-8
INTERSTATE HIGHWAY (LUNALILO FRWY.)
F.A.I. Proj. No. I-HI-1(5):24, Unit 3

Scale: As Noted Date: June, 1967
SHEET No. 1 OF 7 SHEETS

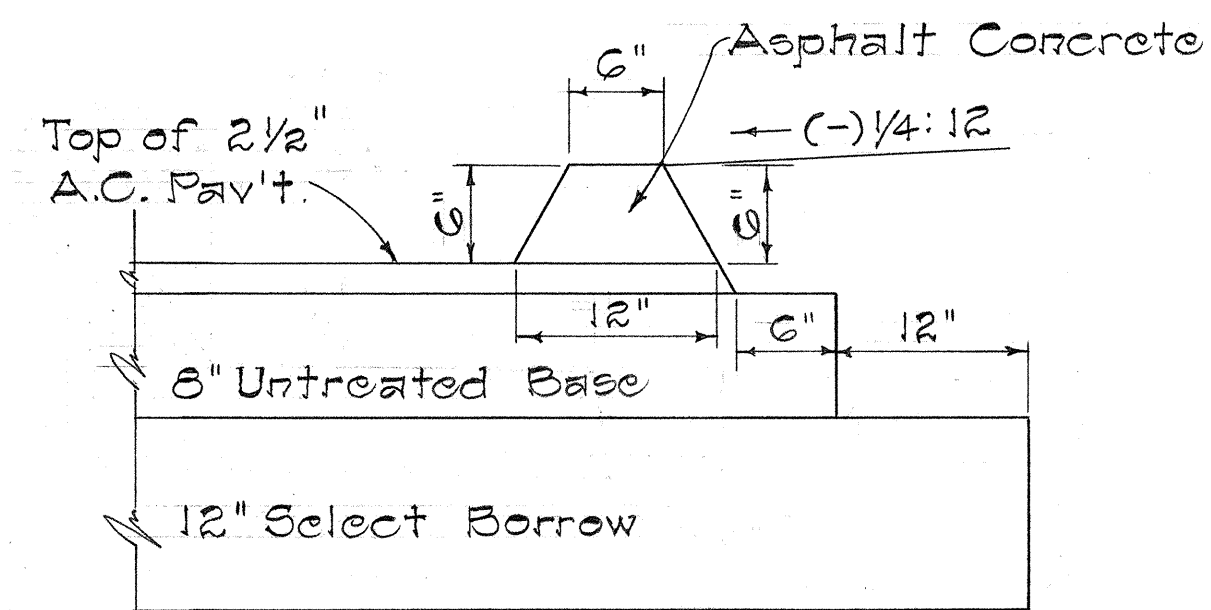
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(5):24 Unit 3	1967	12	152



TYPE "A" CURB

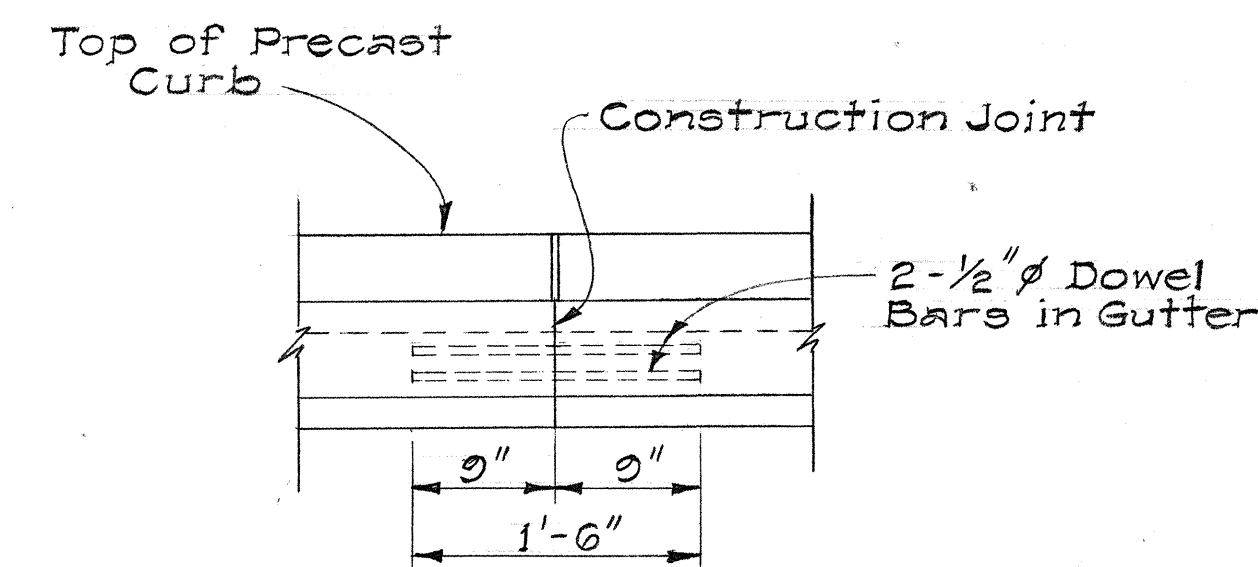


TYPE "D" CURB



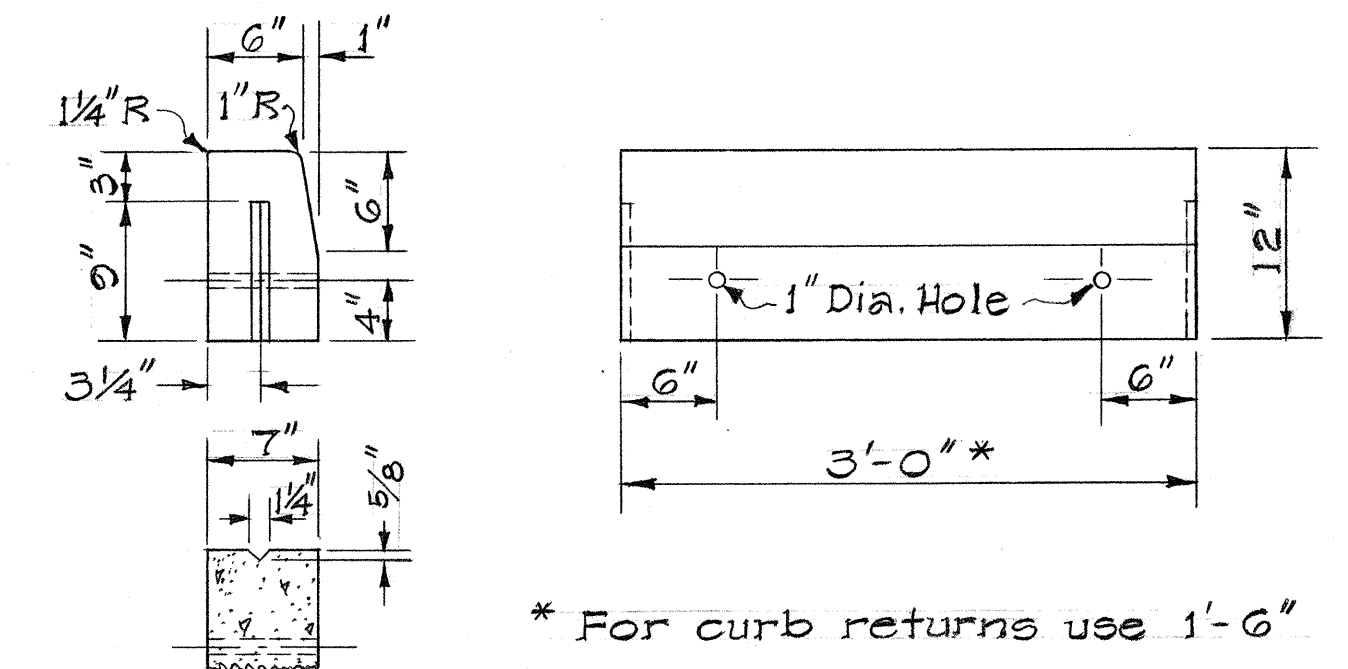
Note: A.C. curb shall be constructed, measured and paid for as A.C. Traffic Roll Item No. 78.01

A.C. CURB

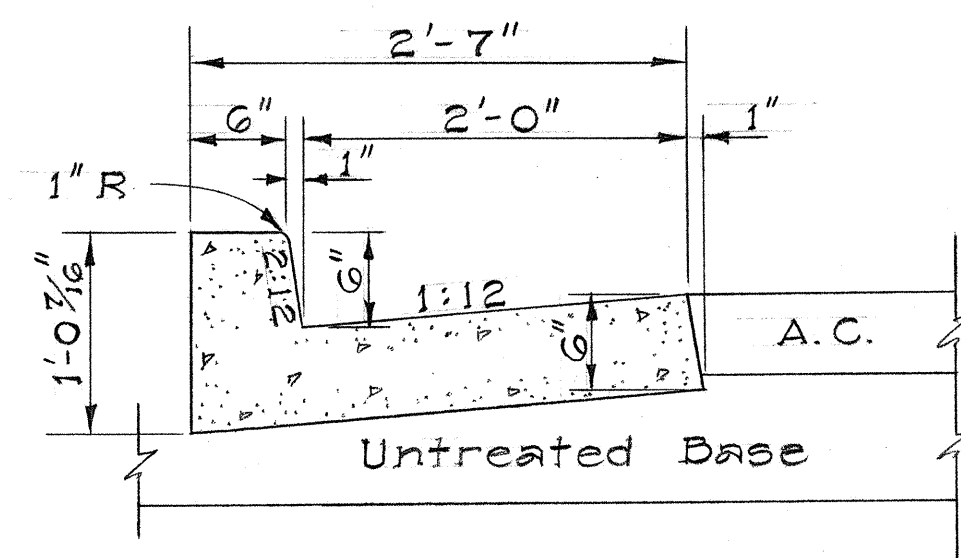


NOTE: All dowel bars shall be painted and oiled to prevent bond with concrete.

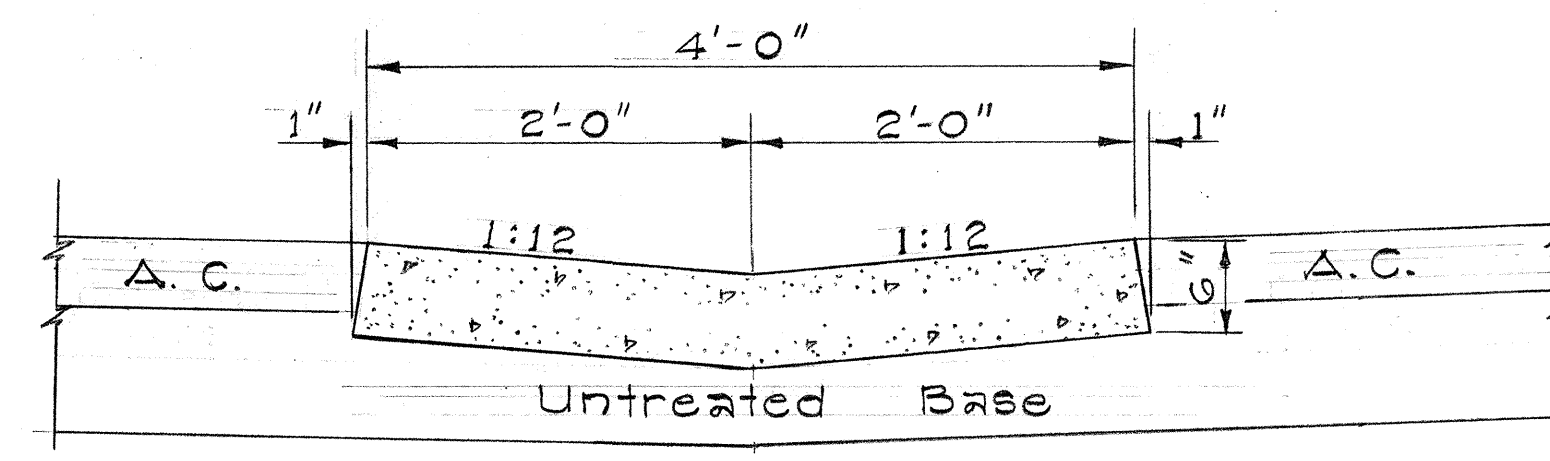
CONSTRUCTION JOINT DETAIL FOR TYPE "H" C.I.P. GUTTER



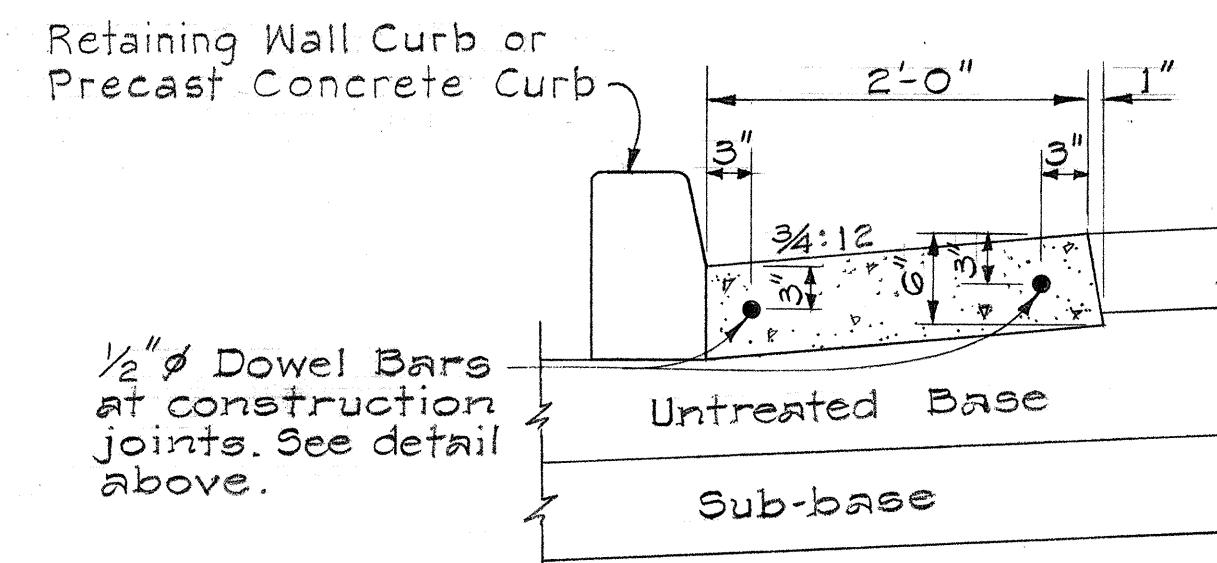
PRECAST CONCRETE CURB



TYPE "DG" CURB & GUTTER

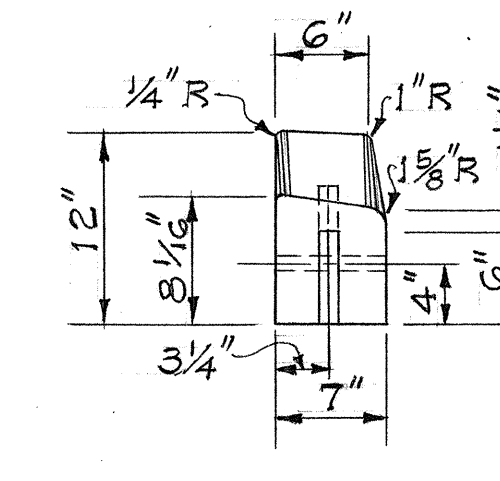


TYPE "G" GUTTER



NOTE: See Transverse weakened plane joint detail on this sheet.

TYPE "H" CAST-IN-PLACE GUTTER

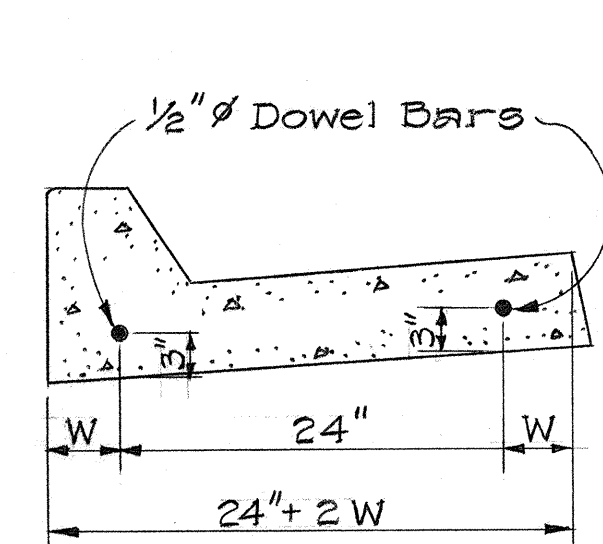


NOTE: * Reduce to 3'-0" where shown on plans

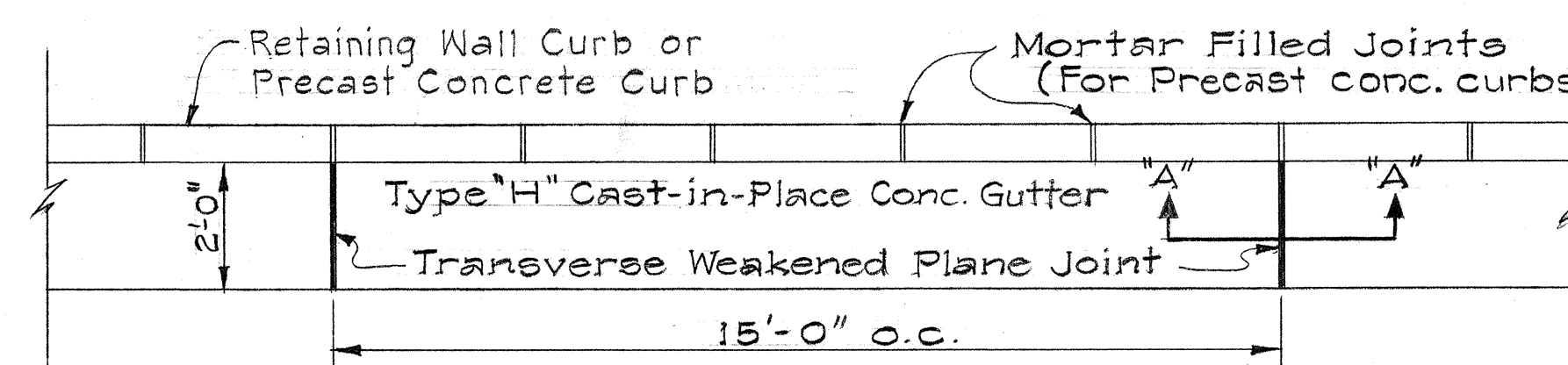
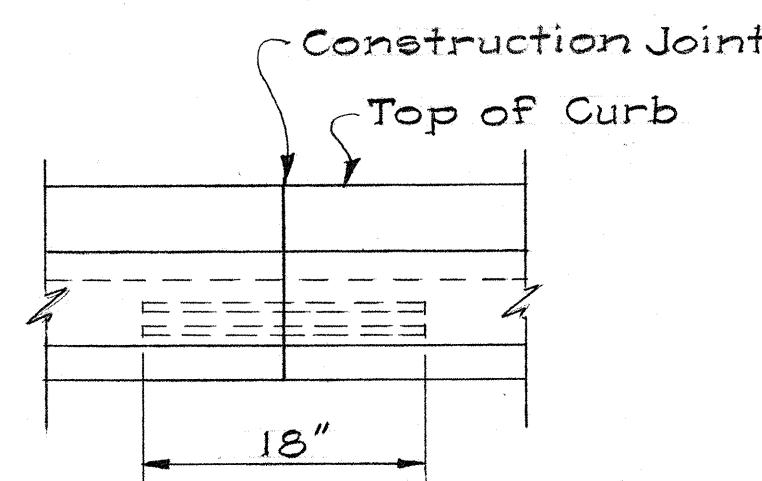
PRECAST CONCRETE DROP CURB

DETAIL OF CAST-IN-PLACE CURBS, GUTTERS AND CURBS & GUTTERS

Scale: 1" = 1'-0"



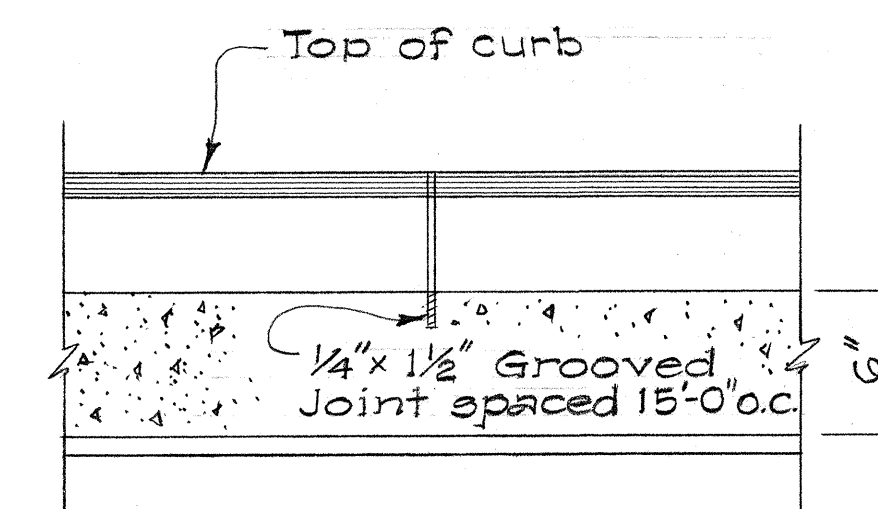
NOTE: All dowel bars shall be painted and oiled to prevent bond with concrete



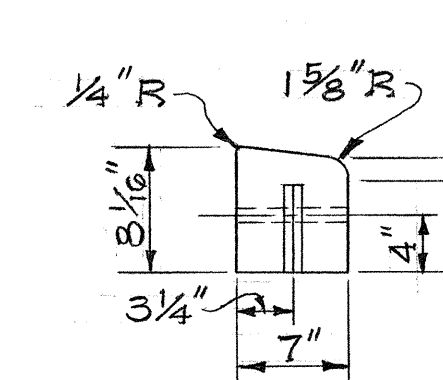
PLAN Scale: 3/8" = 1'-0"

TRANSVERSE WEAKENED PLANE JOINT DETAIL FOR TYPE "H" CAST-IN-PLACE CONC. GUTTERS

Scale: As Shown



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



PRECAST CONCRETE DRIVEWAY CURB

PRECAST CONCRETE CURBS

Scale: 1" = 1'-0"

NOTE: Precast Concrete Curbs and Type "H" Cast in Place Gutter maybe substituted for Type "DG" Curb & Gutter at Driveways, but shall be paid for as Type "DG" Curb & Gutter.

PAYMENT FOR CURB AND CURB & GUTTER TRANSITIONS		
TYPE OF TRANSITION		MEASURED FOR PAYMENT AS:
From	To	
C.I.P. Curb or Precast Curb	C.I.P. Curb & Gutter	C.I.P. Curb & Gutter
C.I.P. Curb & Gutter	Pre-cast Curb & C.I.P. Gutter	C.I.P. Curb & Gutter
C.I.P. Curb & Gutter Type	C.I.P. Curb & Gutter Type	C.I.P. Curb & Gutter 1/2 of Transition to each type
C.I.P. Curb Type	C.I.P. Curb Type	C.I.P. Curb 1/2 of Transition to each type
Bridge Abutments	C.I.P. Curb and/or Gutter or Precast Curb	C.I.P. Curb and/or Gutter or Precast Curb

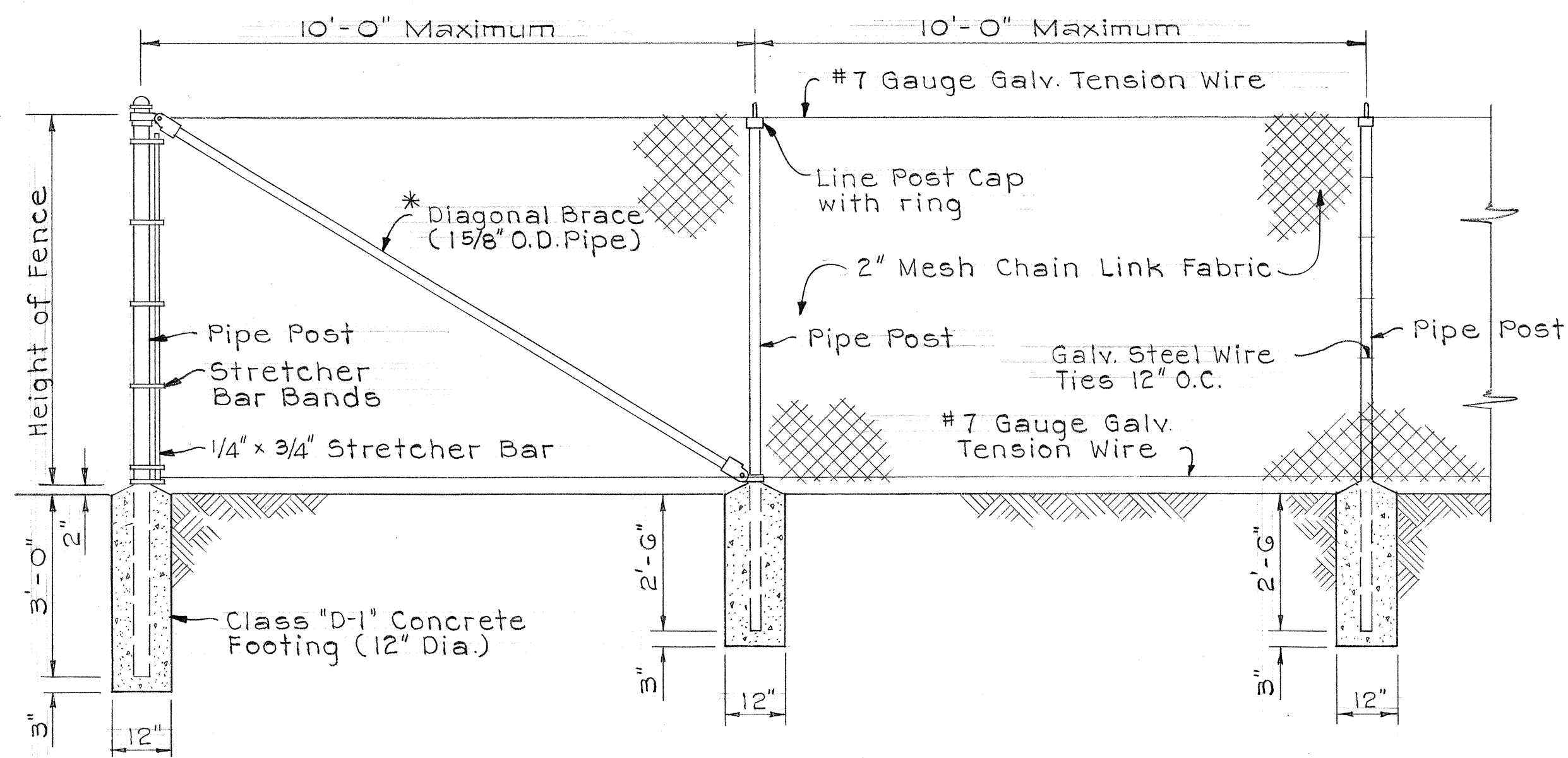
NOTE: C.I.P. = Cast-in-Place

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAILS FOR CONCRETE
CURBS AND GUTTERS

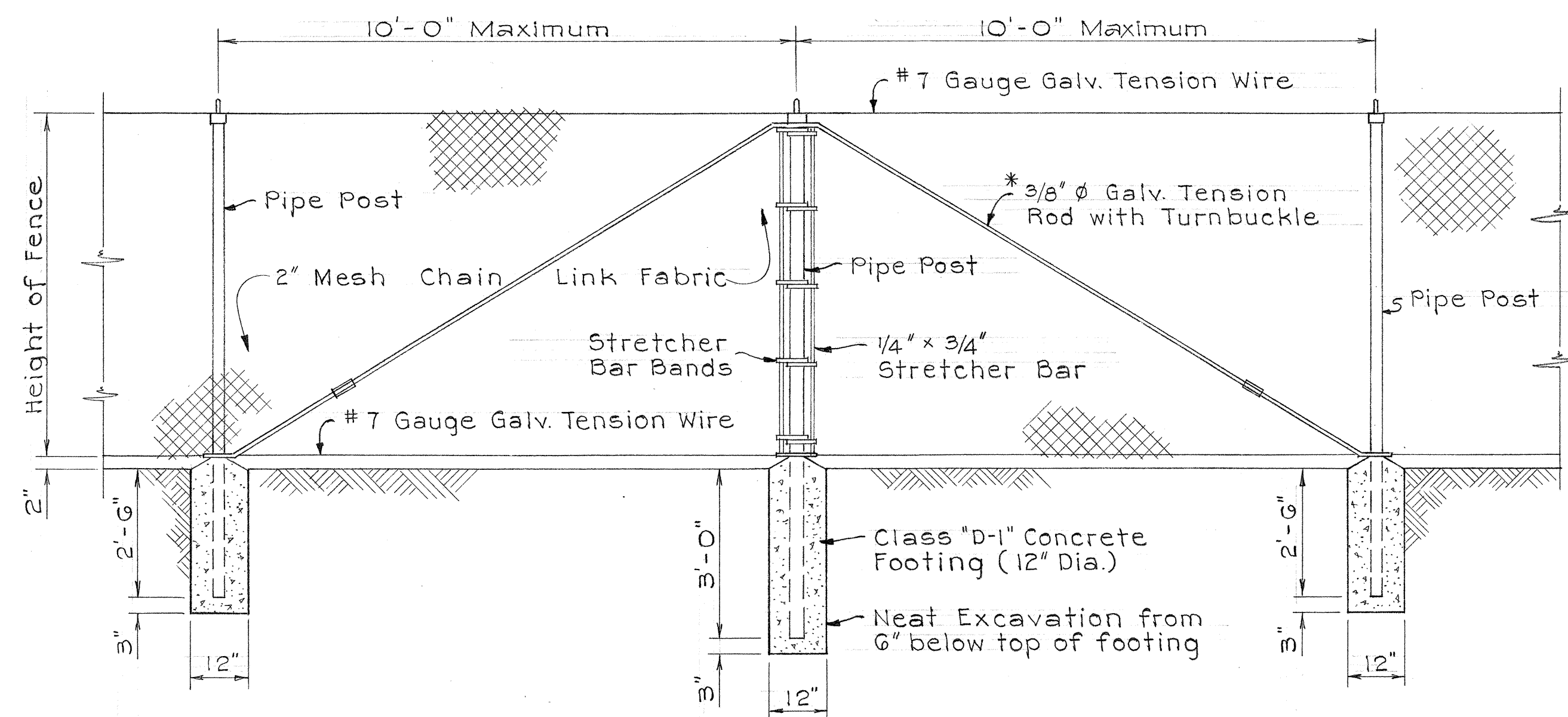
INTERSTATE HIGHWAY (LUNALILO FRWY)
F.A.I. Proj. No. I-HI-1(5):24, Unit 3
Scale: As Shown Date: May, 1967
SHEET No. 2 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(5):24 Unit 3	1967	13	152



END POST

LINE POST



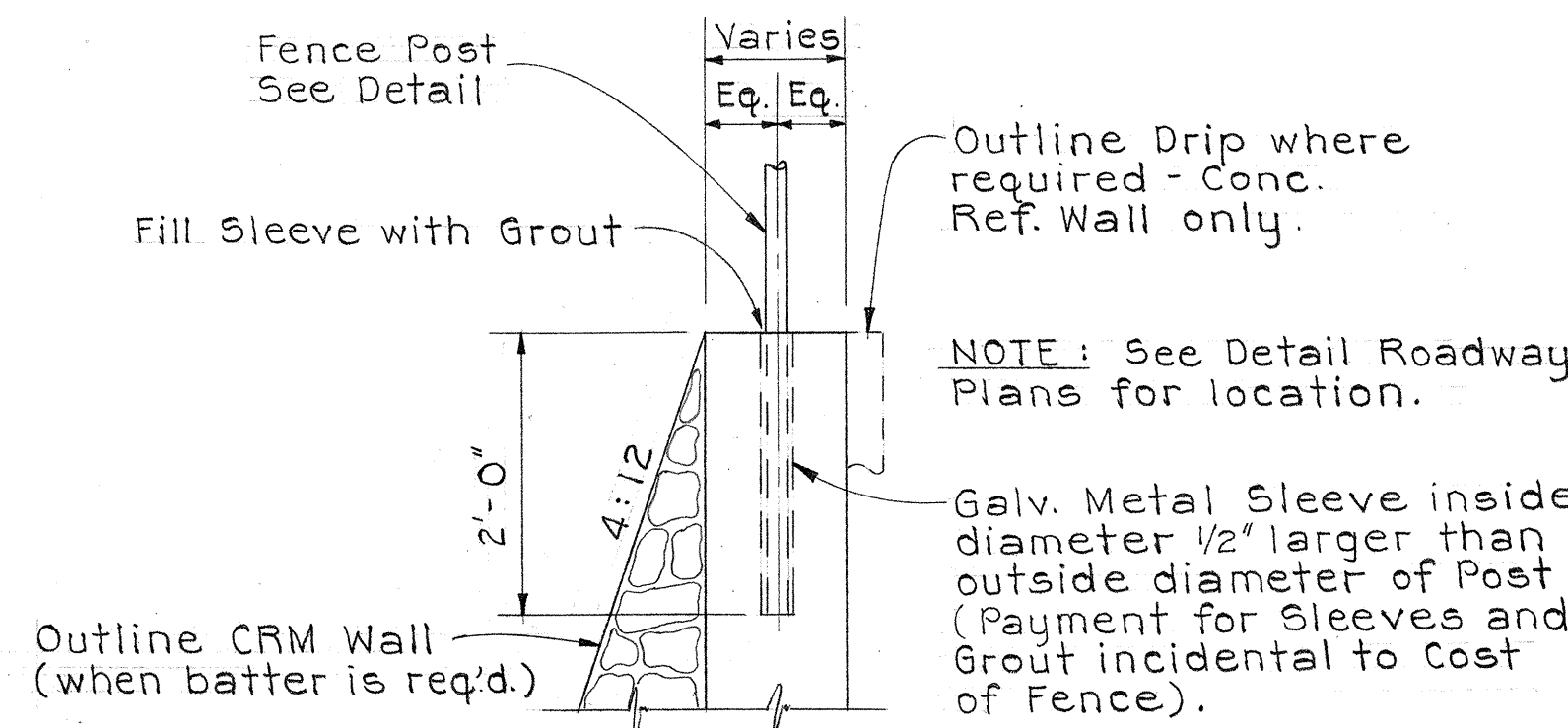
PULL POST

LINE POST

NOTE: * Omit Diag. Brace and Tension Rod for 3' Fence.
Footing sizes shown for 6' Chain Link Fence.
See Table, this sheet, for 3' Fence.

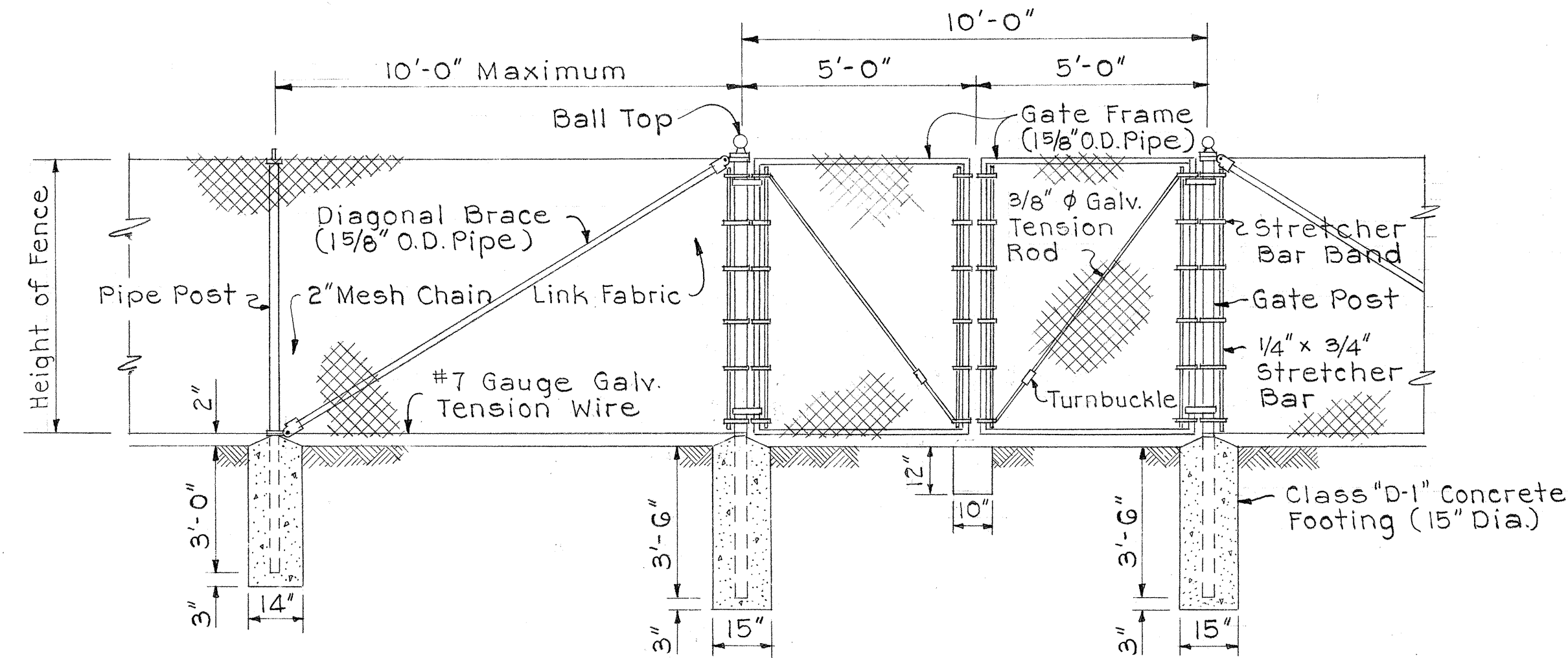
CHAIN LINK FENCE DETAILS

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



TYPICAL SECTION OF FENCE POST ON CRM & CONC. RETAINING WALL

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



LINE POST

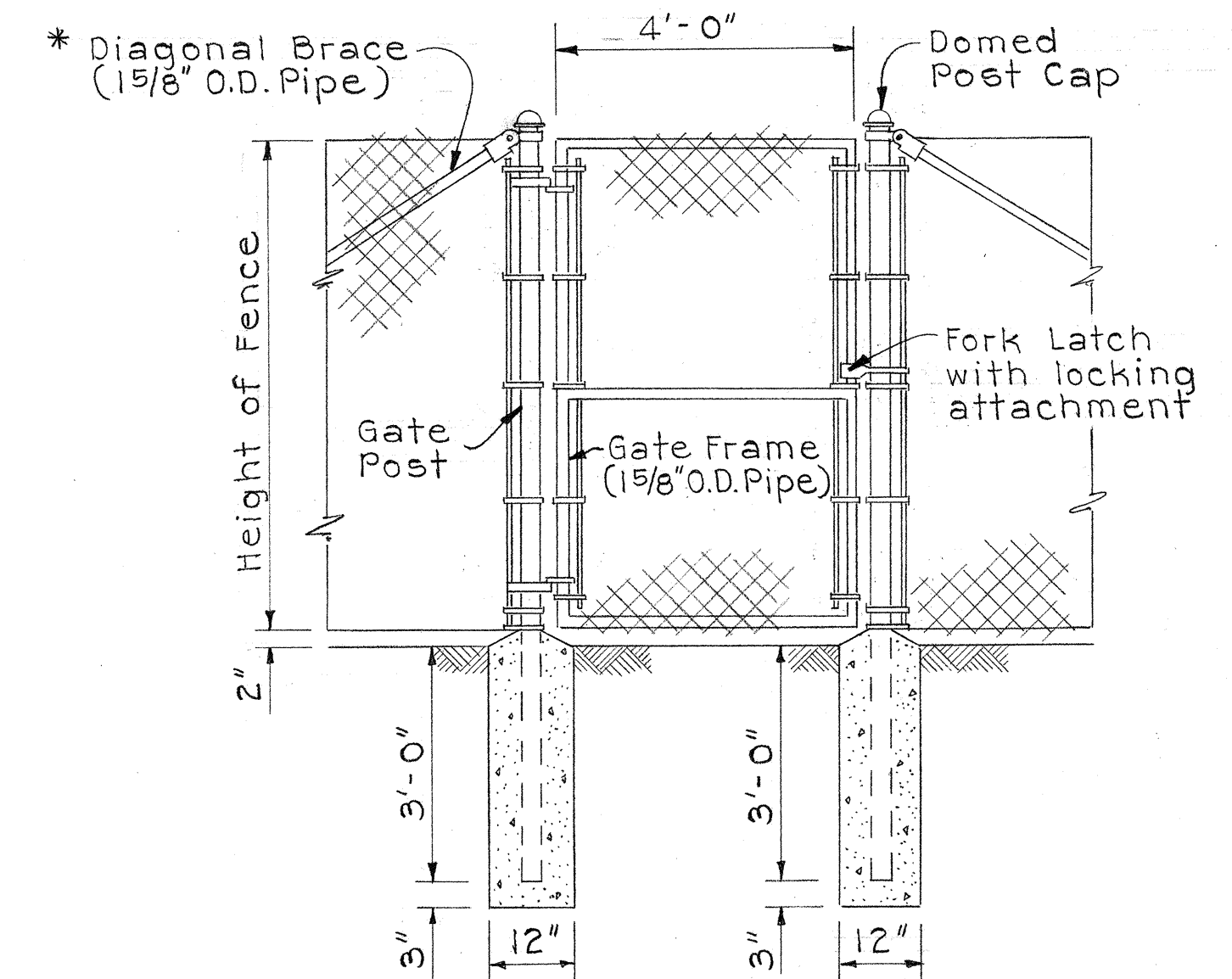
GATE POST

GATE POST

NOTE: 1. Gate fork latch and lock, flush plate and anchor, and plunger shall be installed with Gates, and shall be considered as incidental to 10' feet Chain Link Gate.
2. Gate frames shall be mitered and welded at corners.
3. Fence details not shown, shall be in accordance with the Standard Specifications.

DETAIL OF 10 FT. CH. LK. GATE

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

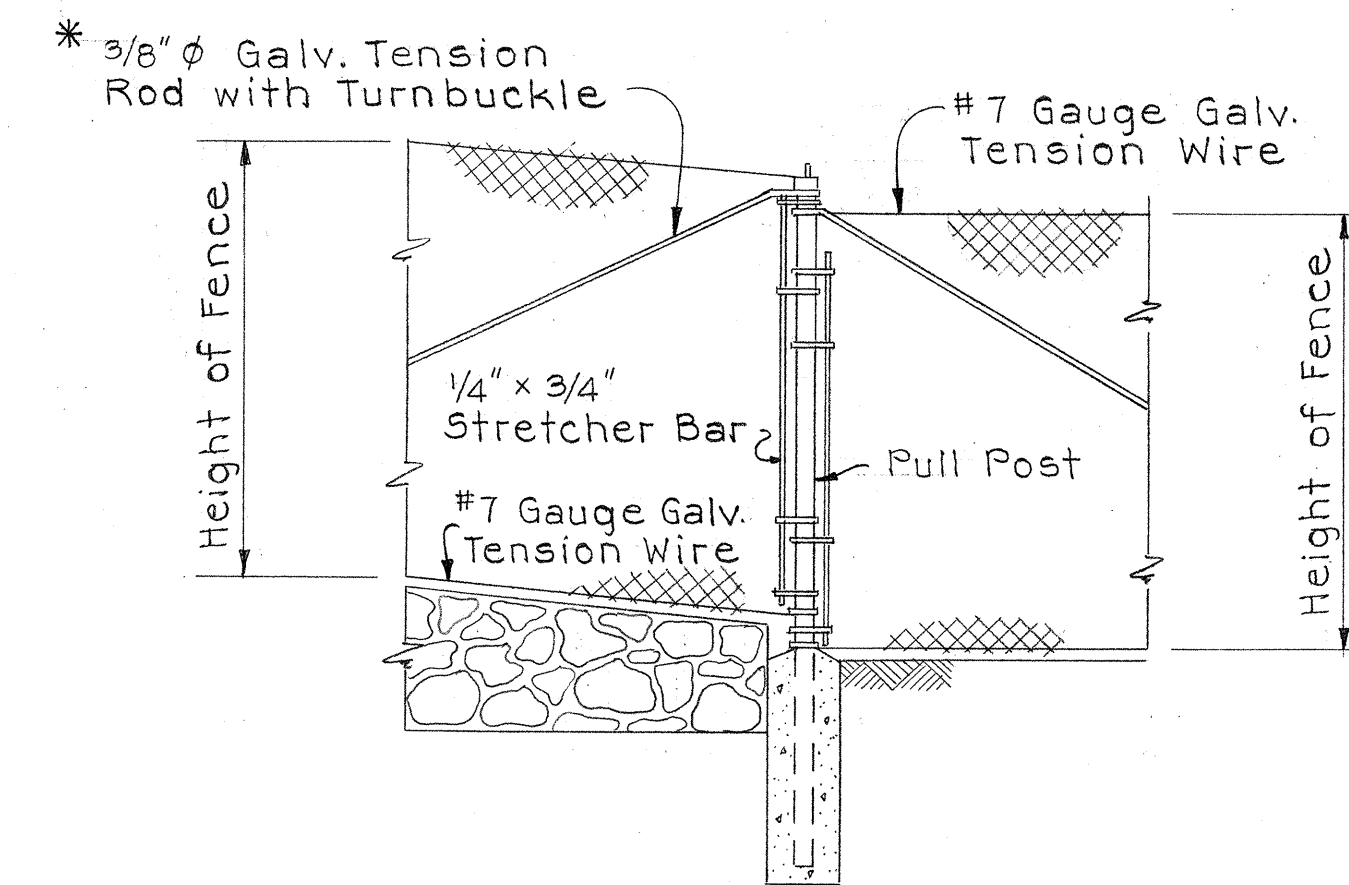


GATE POST

GATE POST

DETAIL OF 4 FT. CH. LK. GATE

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



TYPICAL FENCE CONNECTION DETAIL AT RETAINING WALL

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

GALV. STEEL POST AND FOOTING SIZES

POST TYPE	6 FT. FENCE		3 FT. FENCE	
	PIPE SIZE	FT'G SIZE	PIPE SIZE	FT'G SIZE
LINE POST	2 3/8" O.D.	AS SHOWN ON PLAN	1 7/8" O.D.	9" x 2'
PULL POST	3" O.D.	"	N/A	N/A
END POST CORNER POST	3" O.D.	"	1 7/8" O.D.	9" x 2'-6"
GATE POST	3" O.D.	"	1 7/8" O.D.	9" x 2'-6"

Sizes listed applies to Galv. Steel Pipe.
See Special Provisions for Aluminum Fence Posts.

NOTE: Refer to Plan Sheet No. 14 for list of A/C Fence and Gates.

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

CHAIN LINK FENCE

INTERSTATE HIGHWAY (LUNALILO FRWY)
F.A.I. Proj. No. I-HI-1(5):24, Unit 3

Scale: As Noted Date: June 1967

SHEET No. 3 OF 7 SHEETS

REVISED : Nov. 21, 1967

LIST OF CURBS AND GUTTERS											
LOCATION			TYPE AND LENGTH (Lin. Ft.)								
			Type "A" Curb	Type "D" Curb	Type "DG" Curb & Gutter	Type "G" Gutter	Type "H" Gutter	A.C. Curb			
ROAD	STATION TO STATION	SIDE									
Kap. Blvd.	131+35 to 134+63.00	Lt.			328						
	134+70 to 135+65	Lt.				100					
	135+71.48 to 143+11.22	Lt.			702						
	143+12.84 to 147+25.64	Lt.			485						
	149+51.53 to 151+50	Lt.			199						
Conc. Roadway	Connection w/Kap. Blvd.	Lt.		40		38					
		Rt.		40							
Kaaha St.	48+90 to 49+51.14	Rt.			60						
	49+43 to 49+51.14	Lt.			30						
Ramp HI-I	101+40.57 to 103+75	Lt.			232						
	101+40.57 to 102+25	Rt.	82								
	103+75 to 105+08.73	Lt.					134				
Waiaka Rd. Ext.	10+20 to 10+79.13	Rt.						68			
	10+79.13 to Kap. Blvd.	Rt.			732						
	10+35 to 16+78.85	Lt.			642						
	17+00 to Kap. Blvd.	Lt.			146						
Driveway "WR"		Rt.		119	63						
S. King St.	17+35	Rt.			19						
	18+50	Lt.			24						

The lengths of curbs and gutters shown in the list above are approximate.

LIST OF ACCESS CONTROL CHAIN LINK FENCE											
LOCATION			LENGTH ~ LIN. FT.								
			3' HIGH ON CONC. FTG.	3' HIGH ON CRM WALL	6' HIGH ON CONC. FTG.	6' HIGH ON CRM WALL					
Kap. Blvd	149+50 to 151+60	Lt.			225						
Ramp HI-I	97+00 to 99+20	Lt.	220								
	99+20 to 100+57	Lt.			135						
	100+57 to 103+50	Lt.				293					
	103+50 to 104+50	Lt.			100						
	107+30 to 109+10	Lt.			185						
	109+10 to 109+96	Lt.				87					
	109+96 to 112+50	Lt.			251						
	113+55 to 115+25	Lt.			172						
S. King St.	17+00 to 18+40	Rt.			137						
	17+77 to 18+74	Lt.			93						
Waiaka Rd. Ext.	17+10 to 17+75	Lt.			106						

NOTE : The lengths of fencing shown in the list above are approximate.

LIST OF ACCESS CONTROL CHAIN LINK FENCE GATES											
LOCATION			DIMENSIONS								
			ROAD	STATION	SIDE	HEIGHT	WIDTH				
Driveway "WR"						6	10 *				
Kap. Blvd.	151+50	Lt.				6	4				
S. King St.	17+10	Rt.				6	4				
	17+90	Lt.				6	4				

* Two 5' gates

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LIST OF
CURBS, GUTTERS,
A/C FENCE AND GATES
INTERSTATE HIGHWAY (LUNALILO FREEWAY)
F.A.I. Proj. No. I-HI-1(5):24, Unit 3
Scale: As Shown Date: June, 1967

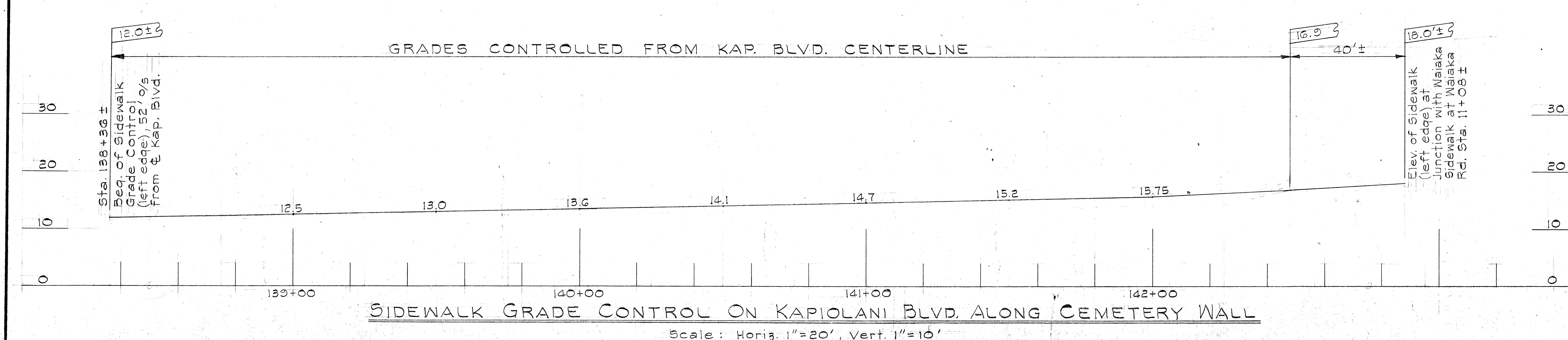
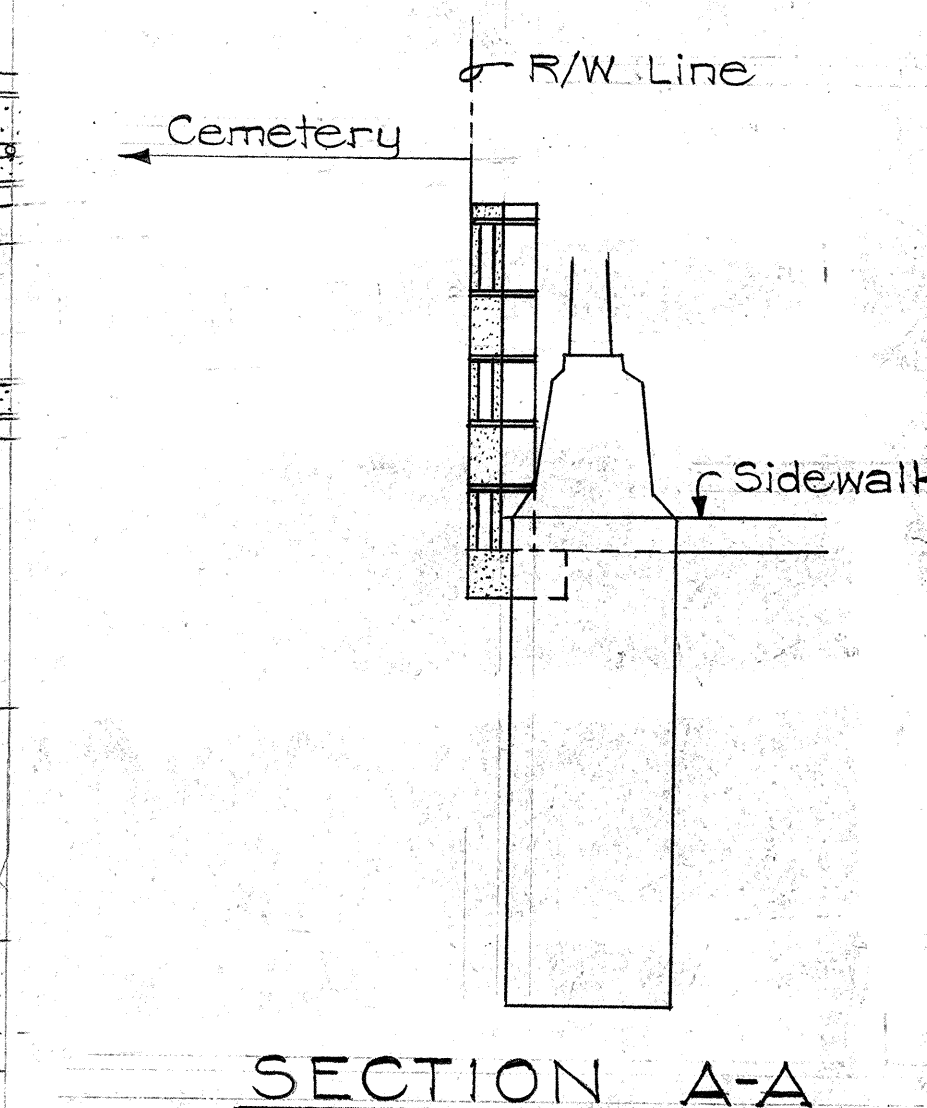
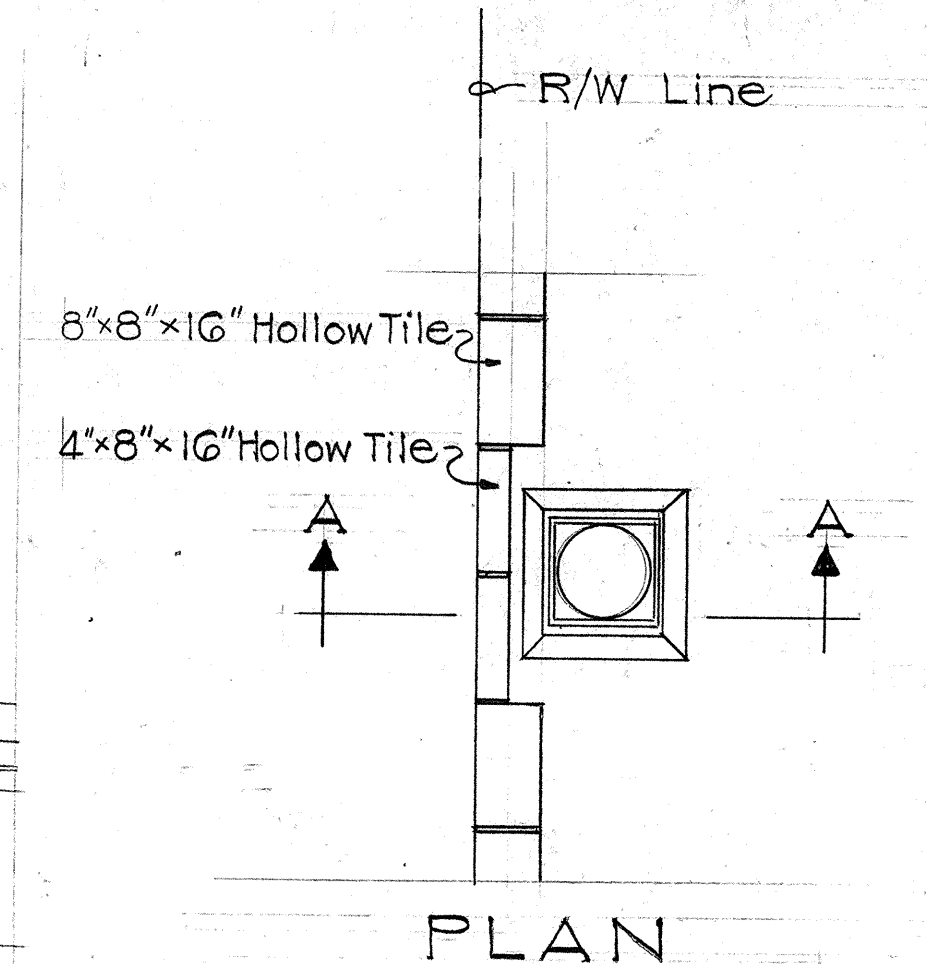
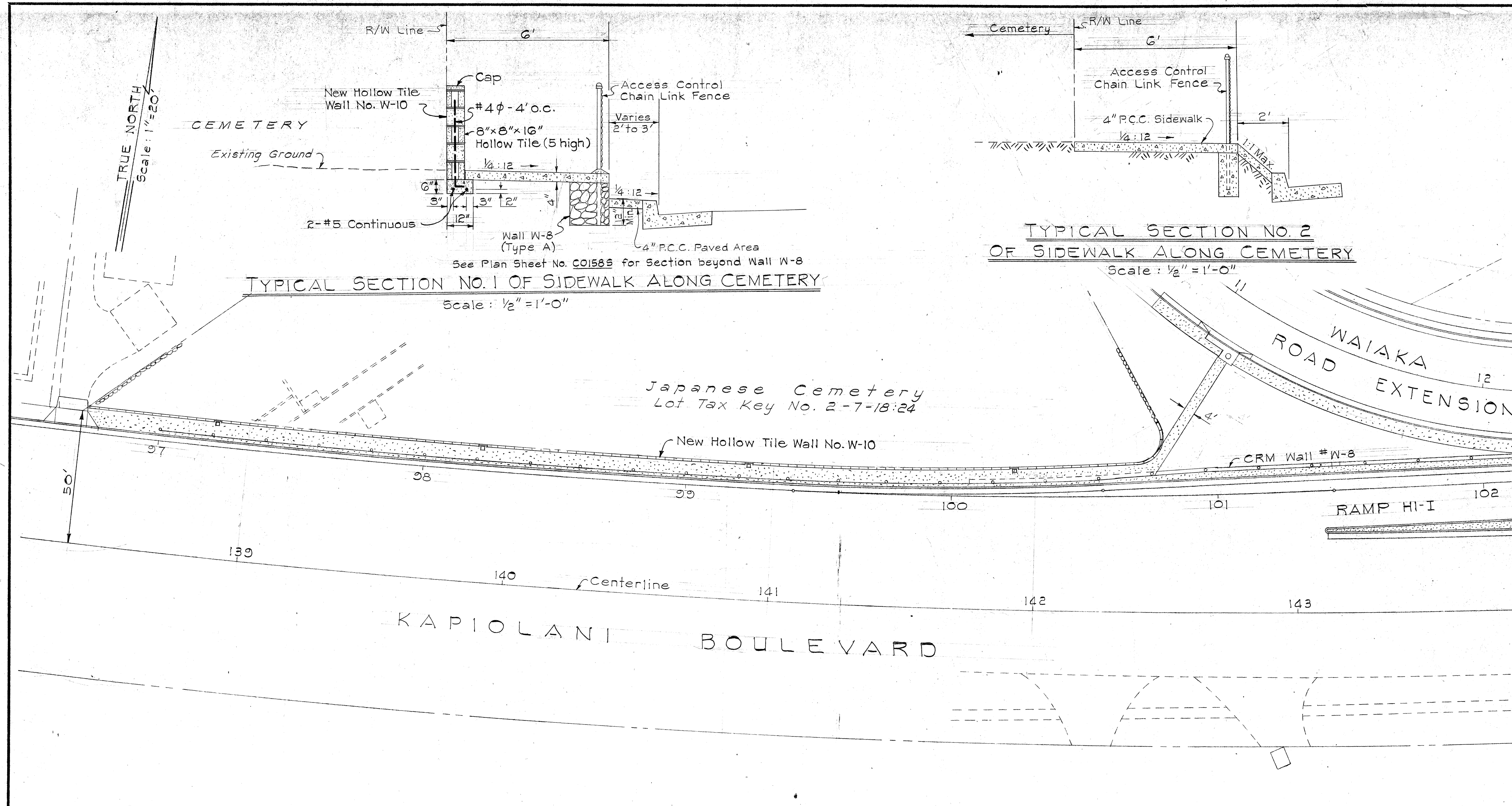
THIS SHT. SUPERSEDES SHT. No. 14

SHEET No. 4 OF 7 SHEETS

C O 1 4

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(5):24 Unit 3	1967	15	152

REVISED: Nov. 21, 1967
Jan. 5, 1968
April 11, 1968



THIS SHEET SUPERSEDES
& REPLACES SHT. No. 15

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
DETAILS OF SIDEWALK ALONG CEMETERY WALL
INTERSTATE HIGHWAY (LUNALILO FREEWAY) F.A.I. Proj. No. I-HI-1(5):24, Unit 3
Scale: As Noted Date: May, 1967
SHEET No. 5 OF 7 SHEETS

C015

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(5):24 Unit 3	1967	16	152

REVISED: Nov. 21, 1967
REVISED: Jan. 29, 1968

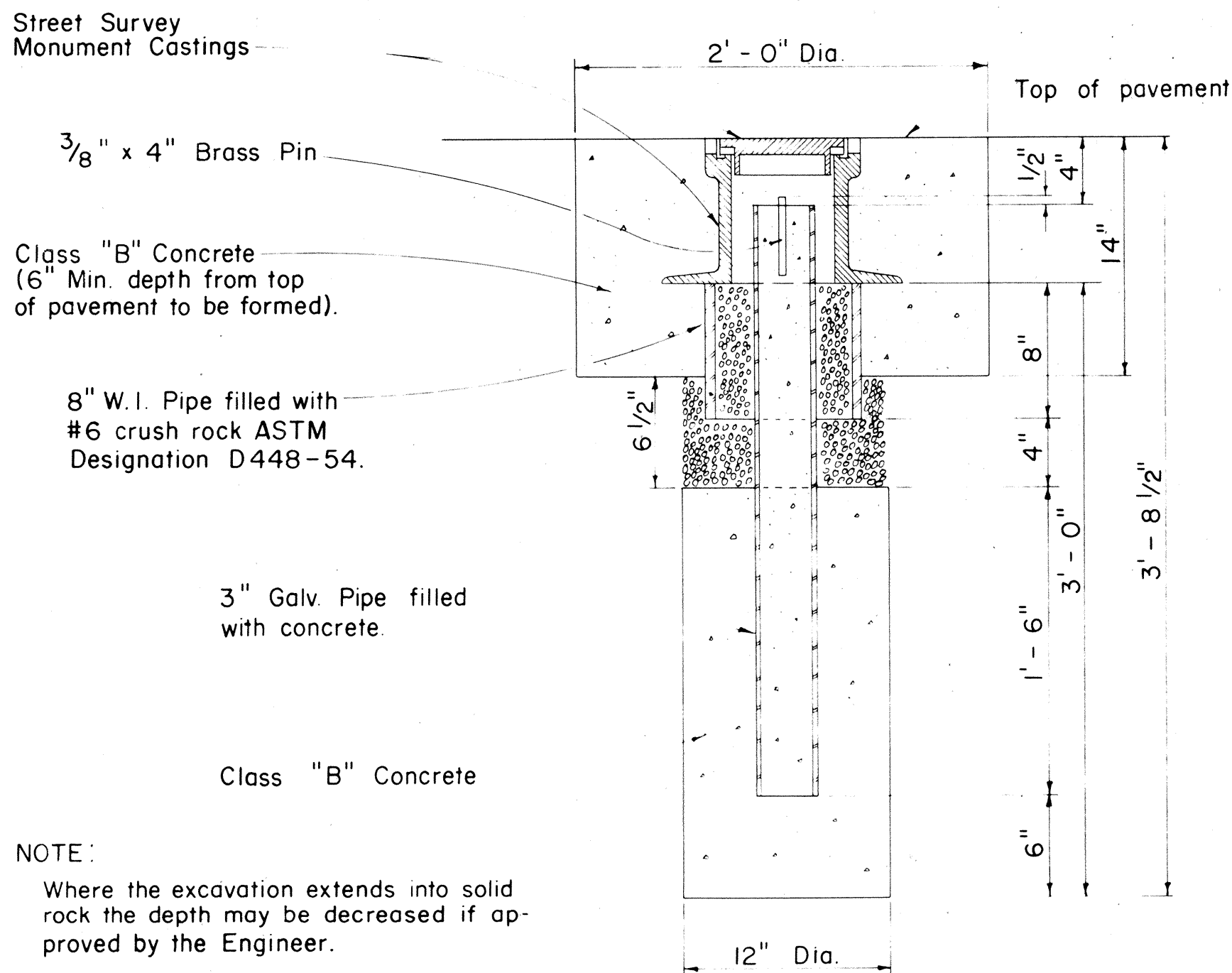
LIST OF CENTERLINE AND REFERENCE SURVEY MONUMENTS				
LOCATION				
ROAD	STATION	OFFSET FROM STATIONLINE TO REF. MONUMENT		No. of MONUMENTS
		LEFT	RIGHT	
Ramp HI-I	96+19.34 (P.C.)	3.0'		1
"	99+40.23 (P.C.)	3.0'		1
"	101+43.88 (P.T.)			1
"	104+26.50 (P.C.)			1
"	106+25.55 (P.T.)		58.0'	1
"	108+68.78 (P.C.)	22.0'	158.0'	2
"	112+49.73 (P.C.)	22.0'	105.0'	2
Waiaka Rd. Ext.	P.I. of Curve WR-1			1
"	12+33.35 (P.T.)			1 *
"	14+17.82 (P.C.)			1 *
"	16+12.75 (P.T.)			1 *
"	16+37.20 (P.C.)			1
"	17+42.41 (P.T.)			1 *
Kapiolani Blvd.	148+75.67			1 *
"	141+08.27 (P.C.)			1

* - Refers to C & C Monument.

LIST OF PAVED AREAS OTHER THAN ROADWAY AND DRIVEWAYS						
LOCATION			TYPE	MATERIAL	WIDTH	THICKNESS
ROAD	STATION TO STATION	SIDE				
Kap. Blvd.	130+69 to Kaaha St.	Lt.	Sidewalk	P.C.C.	8.0'	4"
"	144+00 to 147+00	Lt.	Paved Area	P.C.C.	Varies	4"
"	Waiaka Rd. Ext. to 151+60	Lt.	Sidewalk	P.C.C.	9.5'	4"
Kaaha St.	Conn. to Kap. Blvd.	Rt.	"	P.C.C.	4.0'	2"
"	" " " "	Lt.	"	P.C.C.	Varies	4"
Ramp HI-I	Kaaha St. to 96+58	Lt.	"	"	5.5'	4"
"	96+72 to 100+56.65	Lt.	"	"	8.0'	4"
"	100+56.65 to Waiaka Rd. Ext.	Lt.	"	"	4.0'	4"
"	100+56.65 to 103+75	Lt.	Paved Area	"	Varies	4"
"	101+40.57 to 102+25	Rt.	Traffic Nose	"	"	4"
Waiaka Rd. Ext.	10+35 to 10+79.13	Rt.	Sidewalk	A.C.	4.0'	2"
"	10+79.13 to 11+75	Rt.	"	P.C.C.	4.0'	4"
"	13+50 to 15+02	Rt.	Paved Area	"	Varies	4"
"	15+00 to Kap. Blvd.	Rt.	Sidewalk	"	4.0'	4"
"	10+35 to Driveway "WR"	Lt.	"	"	4.0'	4"
"	Driveway "WR" to Kap. Blvd.	Lt.	"	"	7.0'	4"
S. King St.	17+25 to 17+52	Rt.	Sidewalk	"	4.0'	4"
"	18+35 to 18+55	Lt.	"	"	4.0'	4"

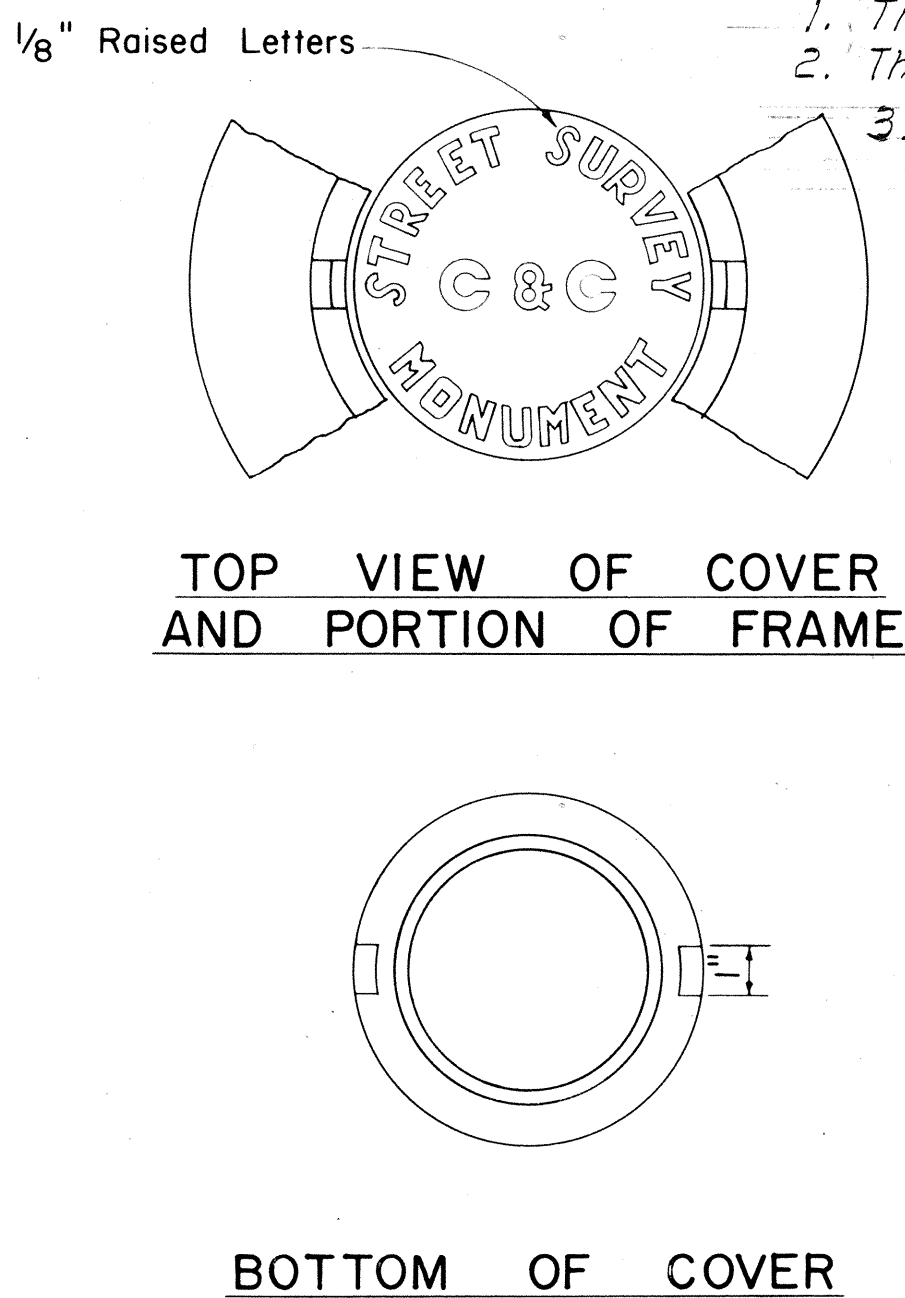
NOTE:

1. The A.C. paved areas will be paid for under Contract Item No. 39.05.
2. The 4" P.C.C. paved areas will be paid for under Contract Item No. 76.01.
3. Requirement for 1 1/2" maximum individual compacted thickness shall be waived for 2" A.C. sidewalk and paved areas other than roadway or driveway.



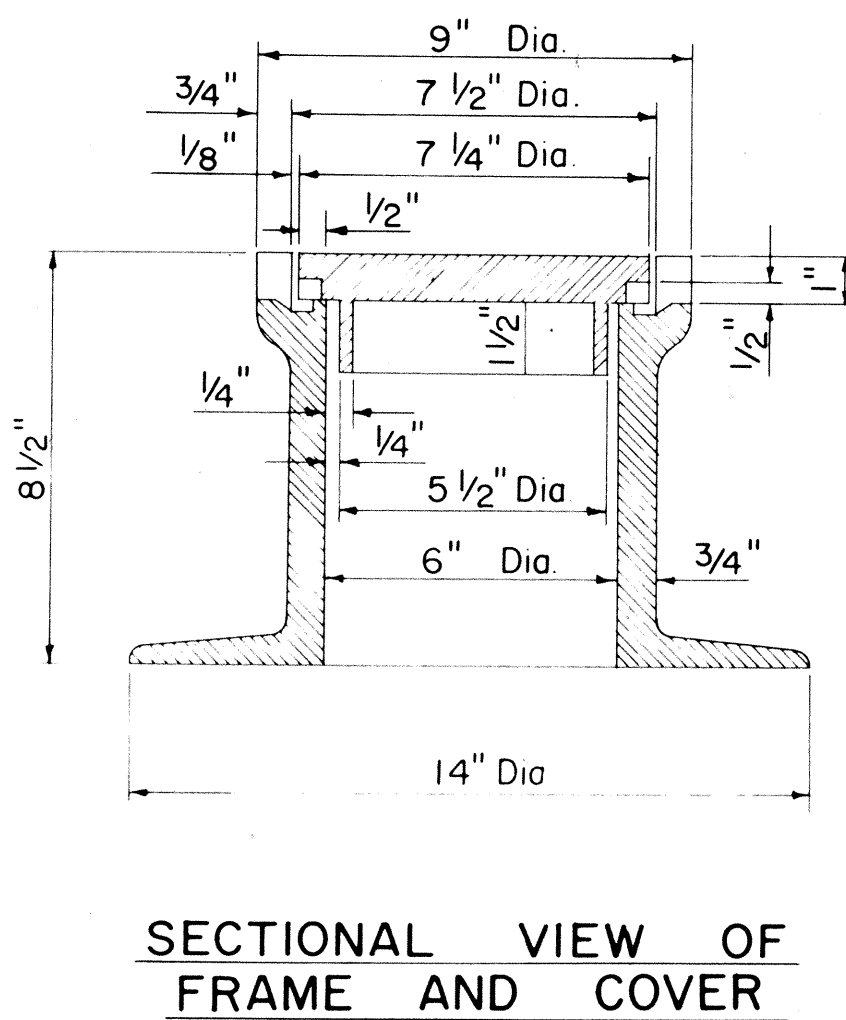
STREET SURVEY MONUMENT

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

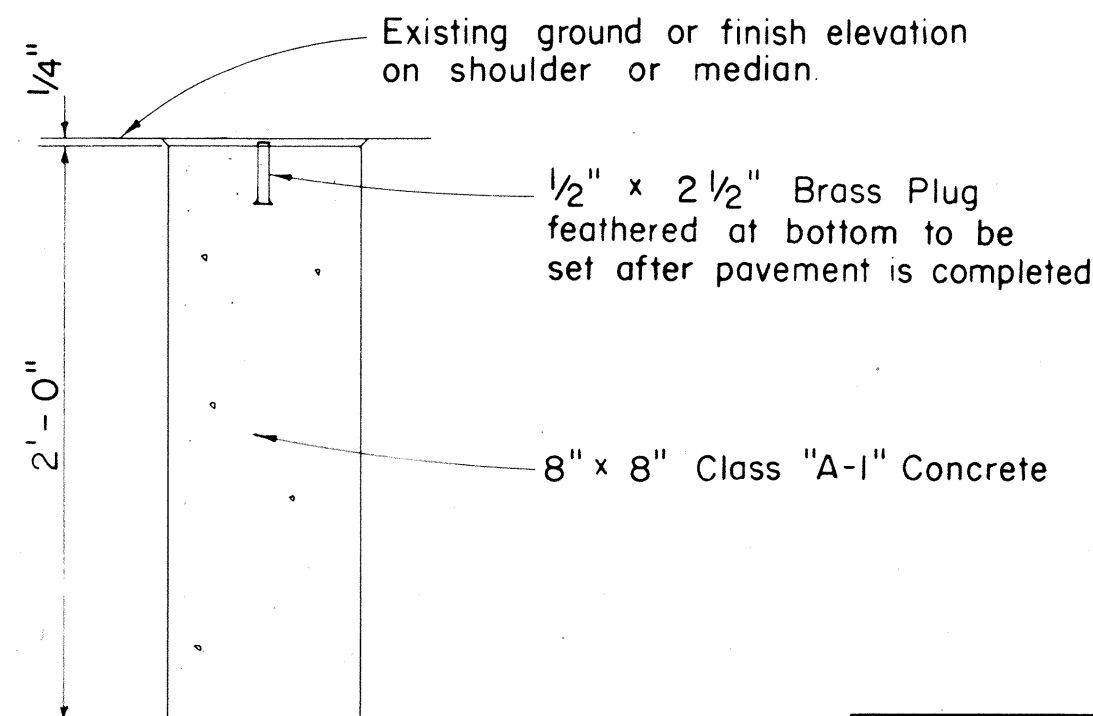


STREET SURVEY MONUMENT CASTINGS

Scale: 3" = 1' - 0"



SECTIONAL VIEW OF FRAME AND COVER



DETAIL FOR AND REFERENCE SURVEY MONUMENT

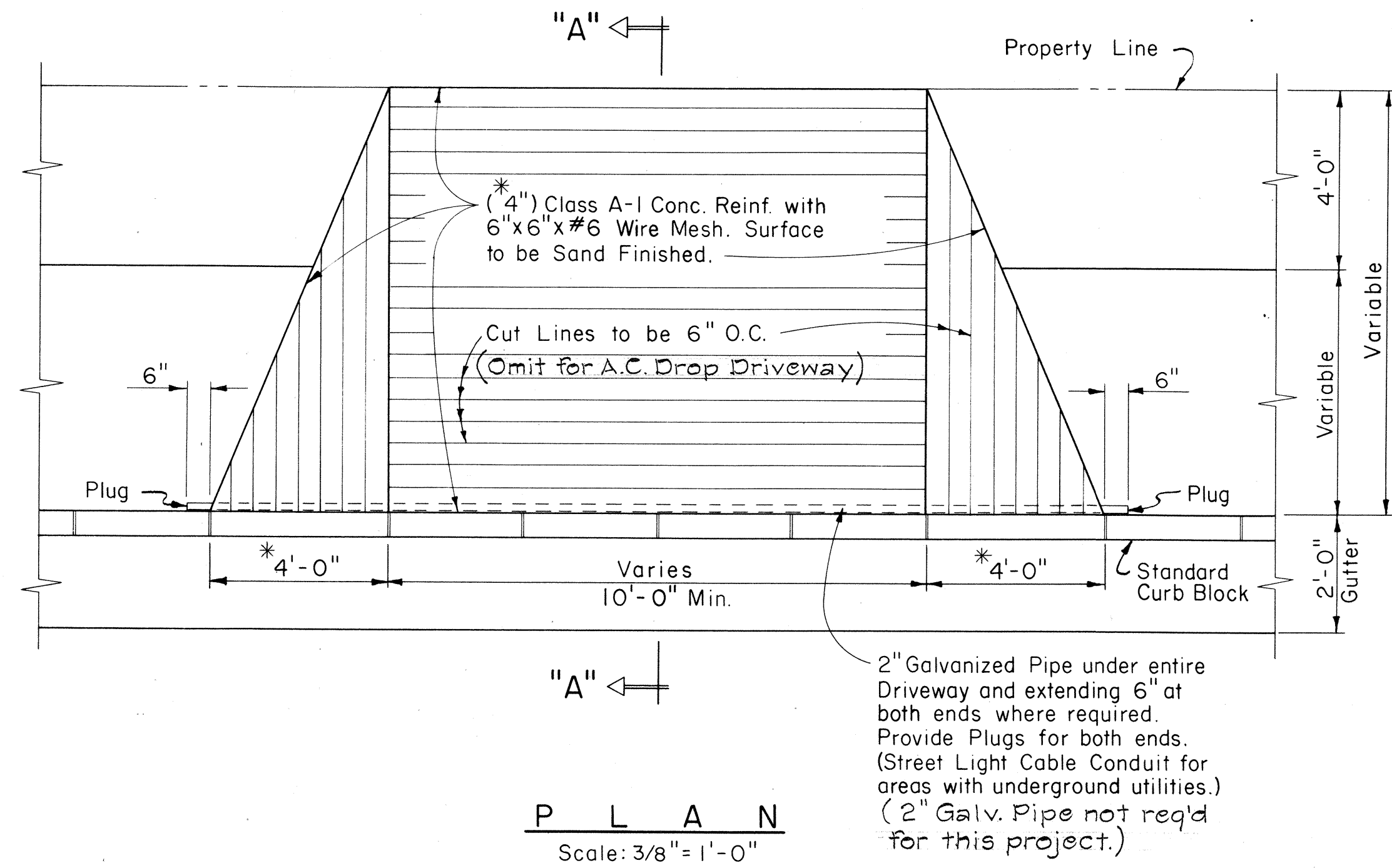
Scale: 1 1/2" = 1' - 0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LIST & DETAILS OF SURVEY MONUMENTS AND LIST OF OTHER PAVED AREAS
INTERSTATE HIGHWAY (LUNALILO FREEWAY)
F.A.I. Proj. No. I-HI-1(5):24, Unit 3
Scale: As Shown Date: June, 1967
SHEET No. 6 OF 7 SHEETS

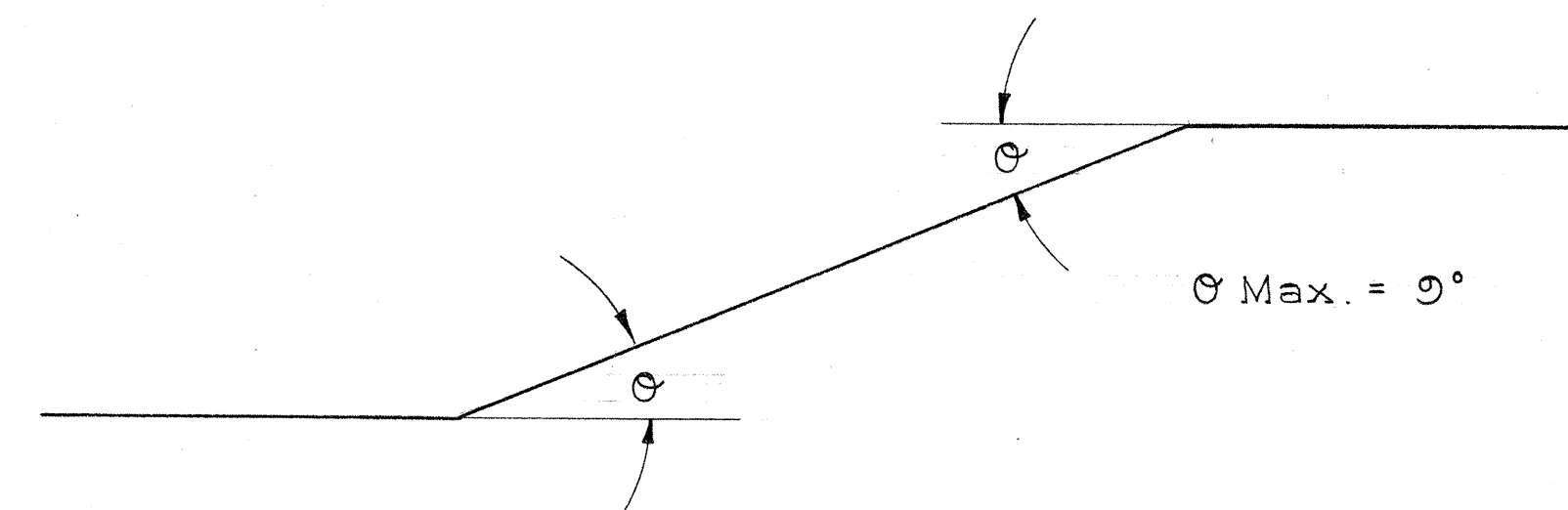
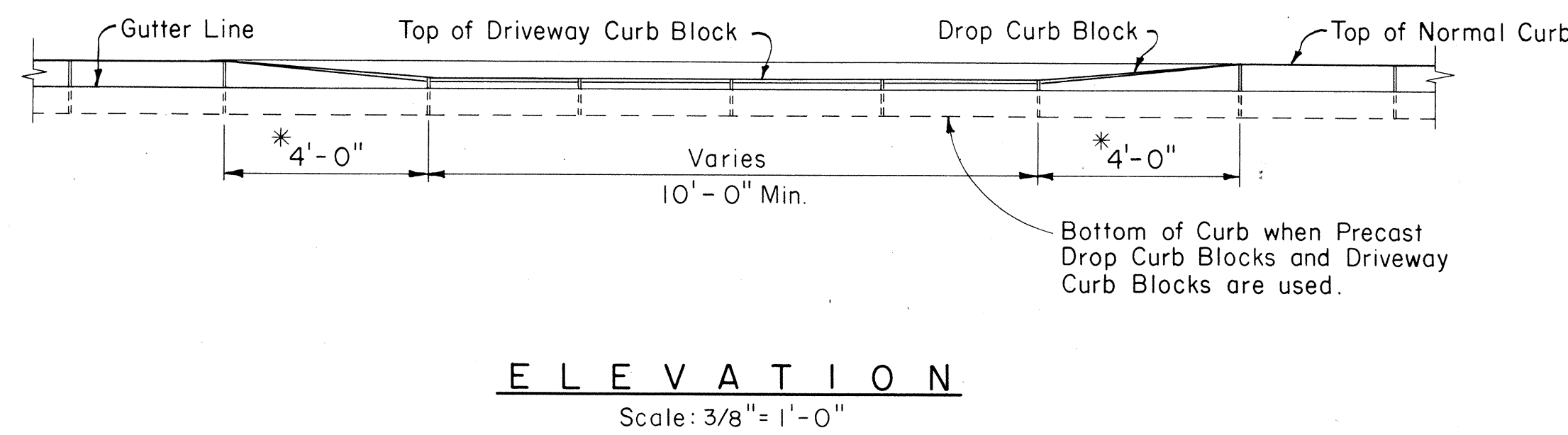
C O 1 G

DATE
DESIGNED BY
CHECKED BY
NO. 1000

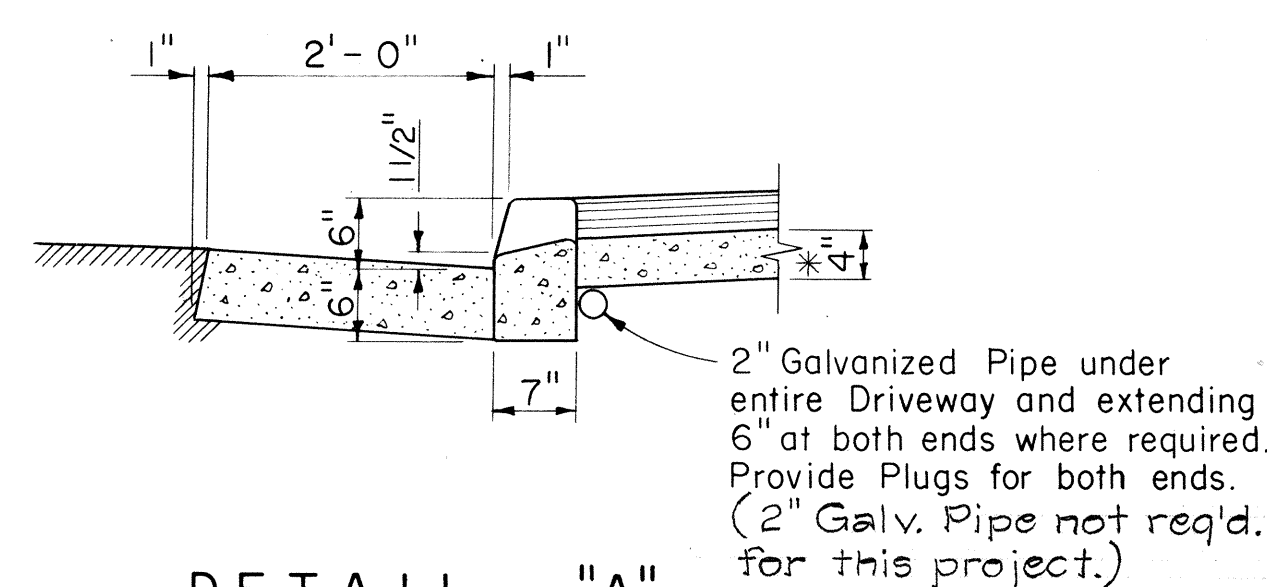
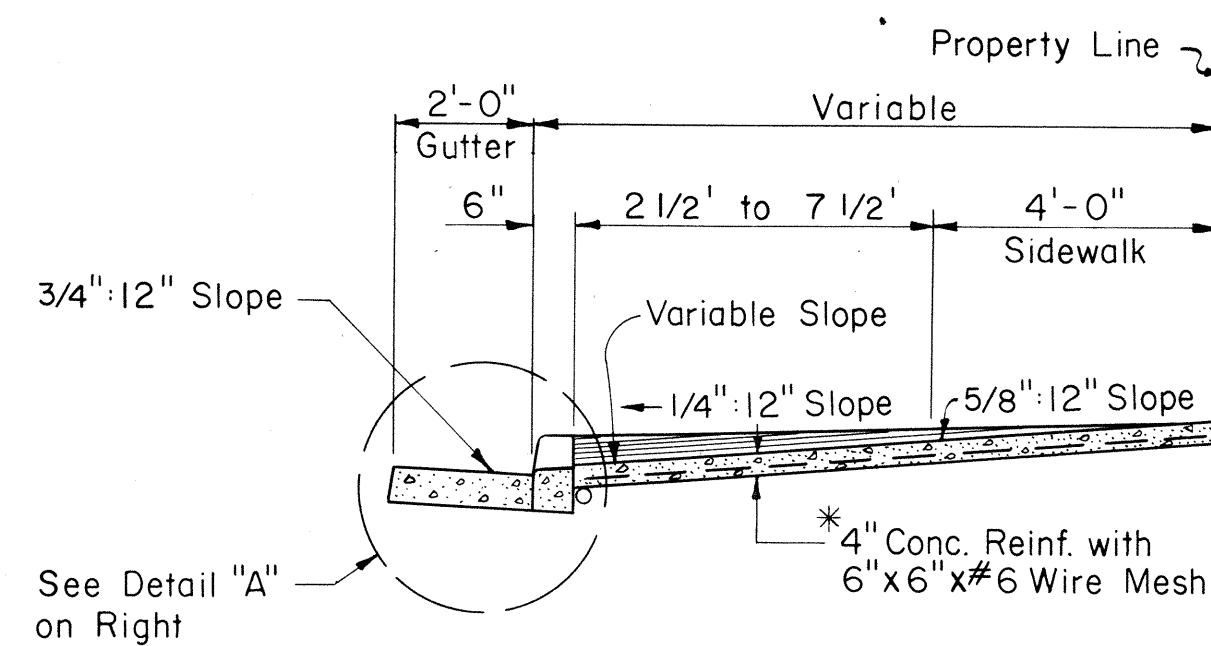
REVISED: Nov. 21, 1967
REVISED: Jan. 22, 1968



LOCATION				4" REINFORCED CONC. DROPPED DRIVEWAY		2" ASPHALT CONC. DROPPED DRIVEWAY	
ROAD	APPROX. STA. AT % OF DRIVEWAY	TAX MAP KEY NO.	LEFT RIGHT	WIDTH (Ft.)	APPROX. AREA (Sq. Ft.)	WIDTH (Ft.)	AREA (Sq. Ft.)
Kapiolani Blvd.	131 + 05	2-7-15:1	L	20	160		
	132 + 25	2-7-15:17	L	25	200		
	133 + 35	2-7-15:34	L	14	112		
	134 + 20	2-7-15:16	L	12	96		
	135 + 73	2-7-18:30	L	12	72		
	136 + 125	2-7-18:31	L	10	75		
	136 + 38	2-7-18:32	L	12	132		
	136 + 80	2-7-18:33	L	10	60		
Waiaka Road	137 + 60	2-7-18:35	L	10	60		
	138 + 31	2-7-18:36	L	12	78		
	13 + 20	2-7-27:16	L	20	156		
	14 + 05	2-7-27:15	L	12	104		
Kapiolani Blvd.	16 + 00	2-7-27:10	E	20	156		
	16 + 25	2-7-27:46	L	20	156		
	133 + 65	2-7-15:34	L	14	112		

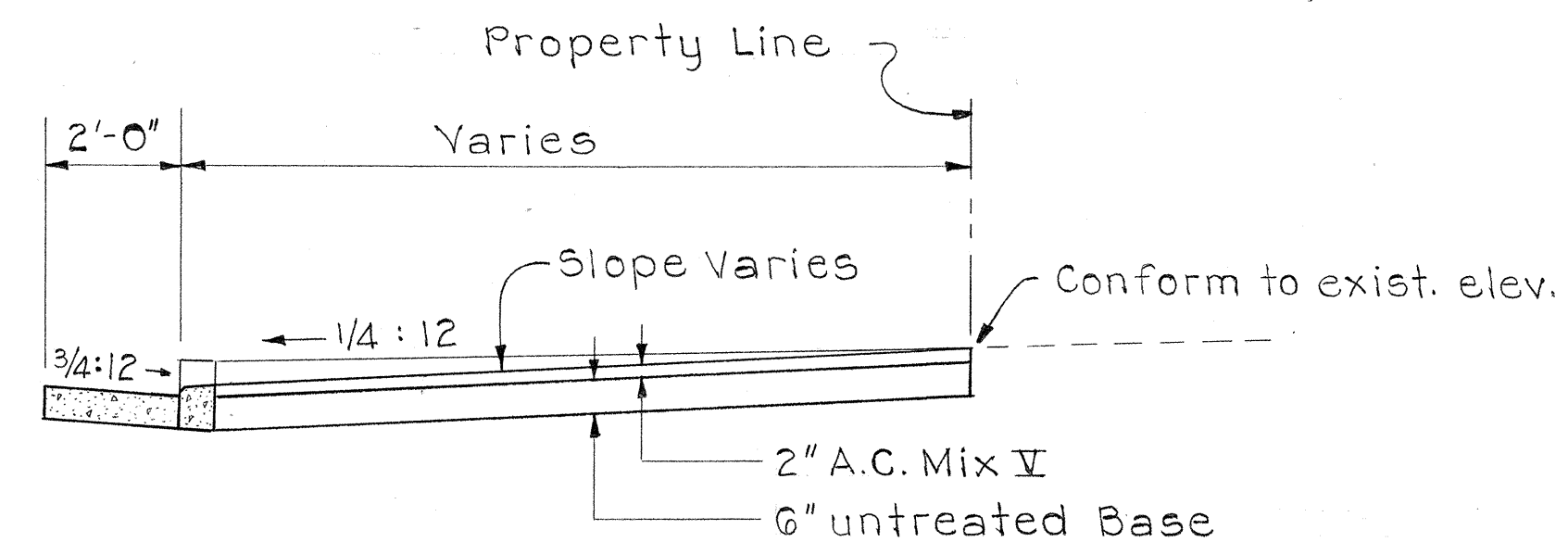


MAXIMUM RAMP ANGLE FOR DRIVEWAY CONNECTION



TYPICAL DETAIL OF REINF. CONC. DROP DRIVEWAY
Scale: As Noted

PROFILE OF A.C. DROP DRIVEWAY
Scale: 3/8" = 1'-0"



* Use dimension shown unless otherwise noted on the plans.
Details applicable for Asphalt Concrete Drop Driveways except for Wire Mesh and Cut Lines.
Use of Precast Conc. Curb and Type "H" C.I.P. Gutters or Type "DG" Curb & Gutter shall be optional, but shall be paid for as Type "DG" Curb & Gutter.

See notes on lower left corner of this sheet.

THIS SHT. SUPERSEDES SHT. No. 17

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LIST AND DETAILS
OF DRIVEWAYS
INTERSTATE HIGHWAY (LUNALILO FREEWAY)
F.A.I. Proj. No. I-HI-1(5):24, Unit 3
Scale: As Shown Date: June, 1967
SHEET No. 7 OF 7 SHEETS

CO 17