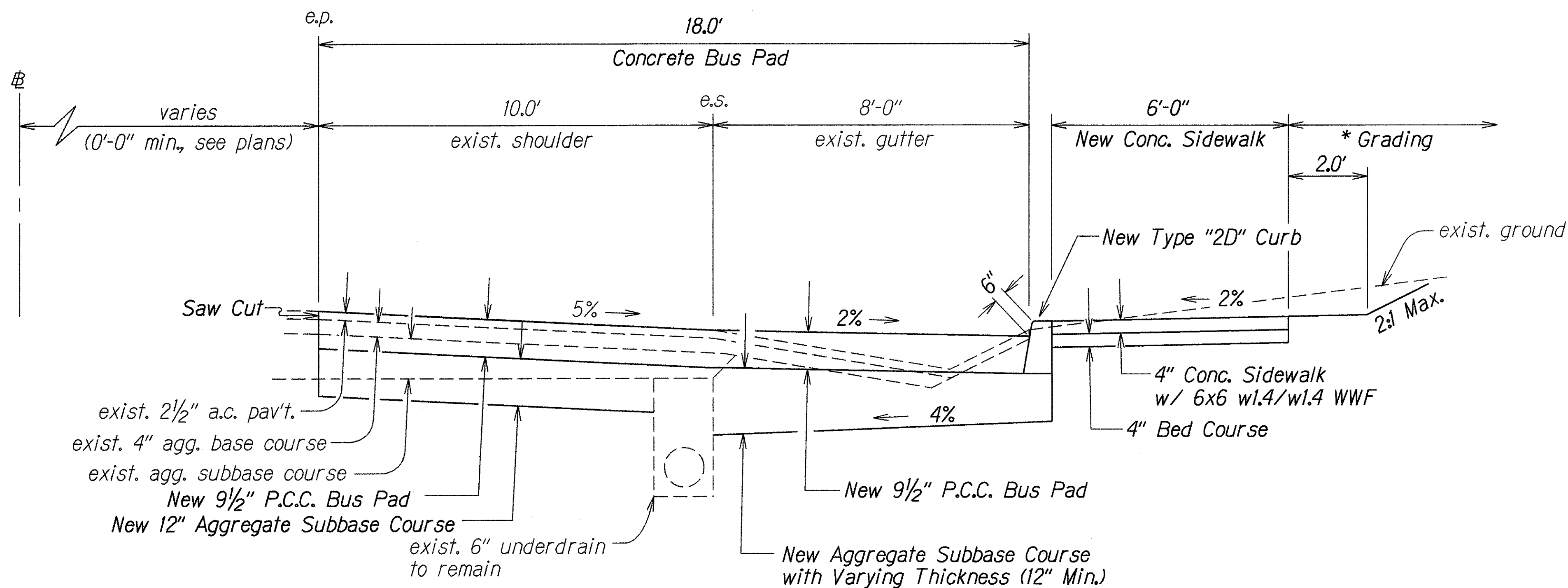


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	C.O.4	70



- * Grading shall be considered incidental to New Reinforced Concrete Sidewalk.
- ** Excavation limits shall be from top of exist. pavement to bottom of exist. subbase course.

PARTIAL TYPICAL SECTION
ULUNE EXTENSION

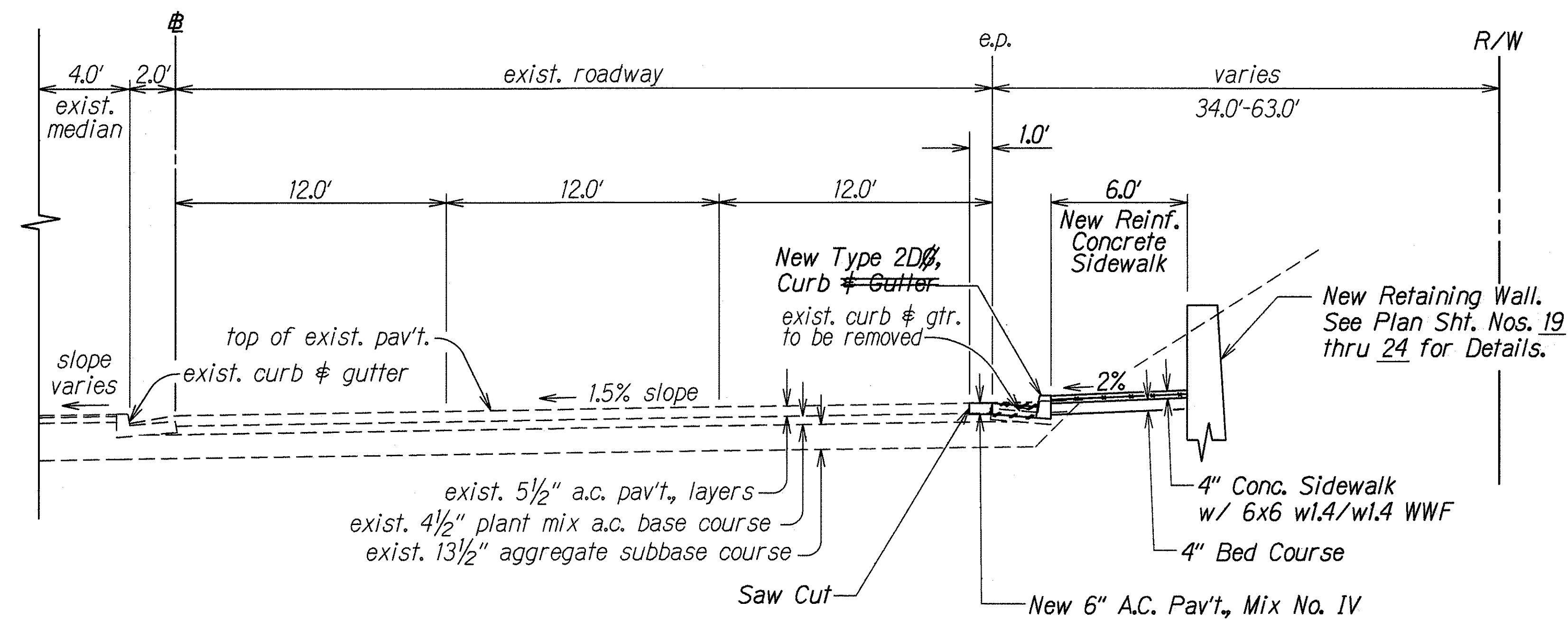
STA. 35+39± TO # STA. 37+54±

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

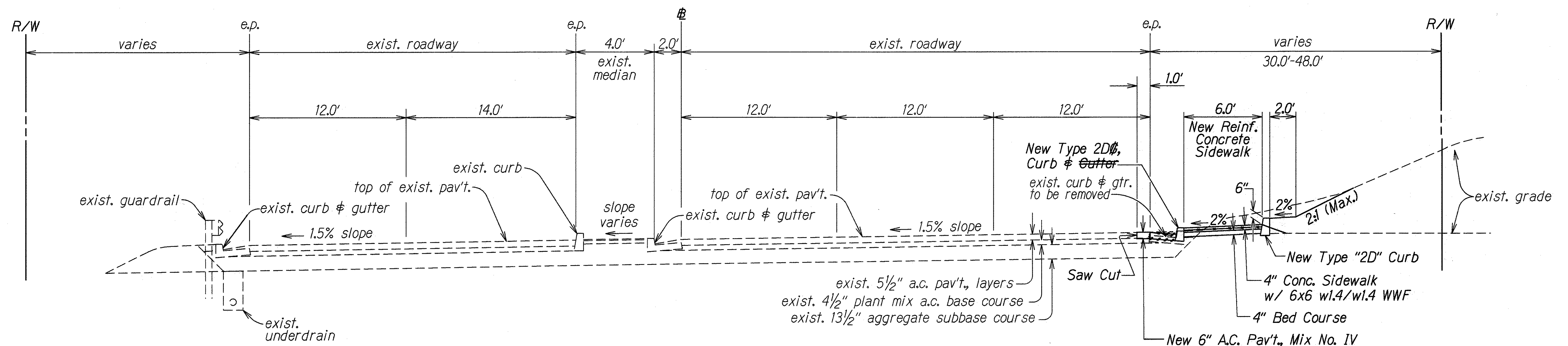
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	7/11/97
dd3/ymh/lhc	DESIGNED BY	
N4231/ter/0181	QUANTITIES BY	
	CHECKED BY	

7/11/97	Revise Pavement Design to P.C.C. Bus Pad Design.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TYPICAL SECTION <u>ULUNE STREET IMPROVEMENTS</u> <u>Halawa Hts. Rd. to Halawa Valley Rd.</u> <u>And</u> <u>HALAWA VALLEY RD. IMPROVEMENTS</u> <u>Ulune St. to Iwaiwa St.</u> <u>F.A. Project No. STP-0300(39)</u> Scale: 1/2" = 1'-0" Date: July, 1997	
SHEET No. 1 OF 4 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	5	70



PARTIAL TYPICAL SECTION
ULUNE STREET
 Sta. 38+61± to Sta. 42+00±
 Scale: 1/4" = 1'-0"



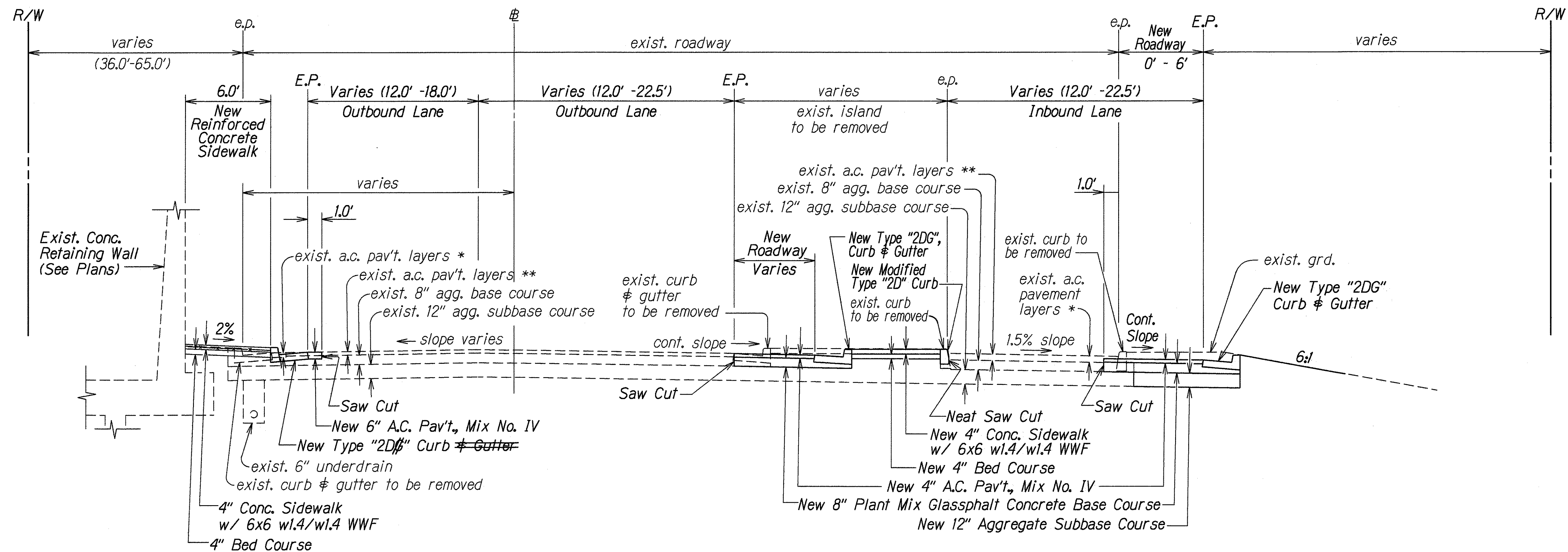
ULUNE STREET
 Sta. 42+00± to Sta. 43+95±
 Scale: 1/4" = 1'-0"

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TYPICAL SECTIONS
ULUNE STREET IMPROVEMENTS
Halawa Hts. Rd. to Halawa Valley Rd.
 And
HALAWA VALLEY RD. IMPROVEMENTS
Ulune St. to Iwaiwa St.
F.A. Project No. STP-0300(39)
 Scale: 1/4" = 1'-0" Date: May, 1996
 SHEET No. 2 OF 4 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	6	70



**TYPICAL SECTION
HALAWA VALLEY ROAD**
Sta. 15+00± to # Sta. 17+50±
Scale: 1/4" = 1'-0"

NOTE:
* For thickness, see Schedule A below.
** For thickness, see Schedule B below.

HALAWA VALLEY ROAD EXIST. A.C. THICKNESS			
SCHEDULE "A"		SCHEDULE "B"	
Limits	Thickness	Limits	Thickness
16+00± to 16+72±	5 1/2"	O.B. 14+69± to 15+30±	Trans. 6" to 8 1/2"
16+72± to 18+35±	4"	O.B. 15+30± to 16+72±	8 1/2"
21+54± to 25+24±	4"	I.B. 14+69± to 15+87±	Trans. 6" to 8 1/2"
		I.B. 15+87± to 16+72±	8 1/2"
		O.B. & I.B. 16+72± to 29+00±	7"

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
TYPICAL SECTIONS & SCHEDULE	
ULUNE STREET IMPROVEMENTS Halawa Hts. Rd. to Halawa Valley Rd. And HALAWA VALLEY RD. IMPROVEMENTS Ulune St. to Iwaiwa St. F.A. Project No. STP-0300(39)	
Scale: 1/4" = 1'-0"	Date: May, 1996
SHEET No. 3 OF 4 SHEETS	

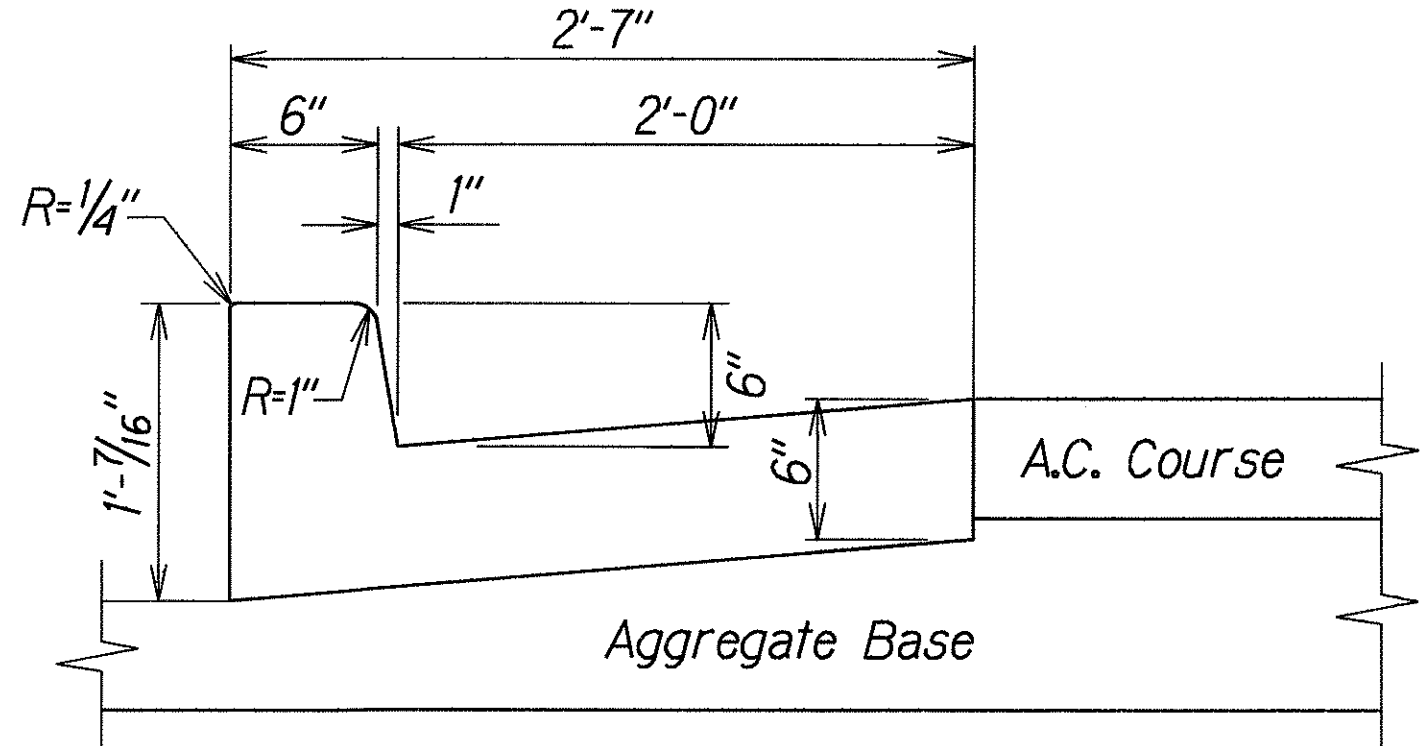
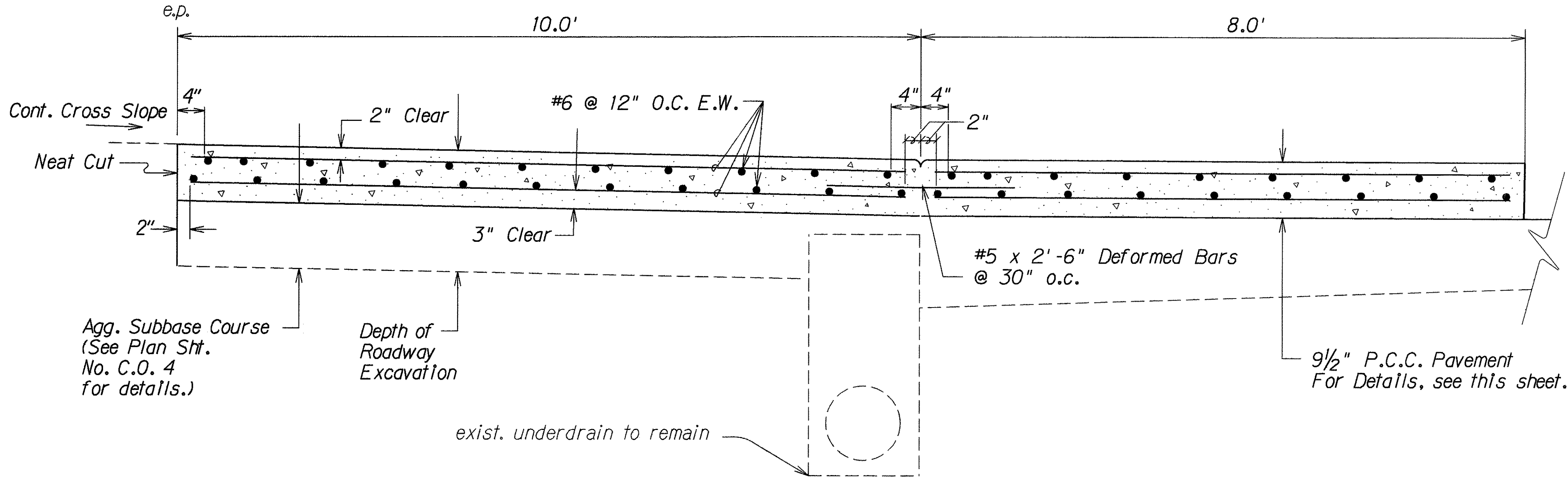
"AS-BUILT"

[illegible][illegible]

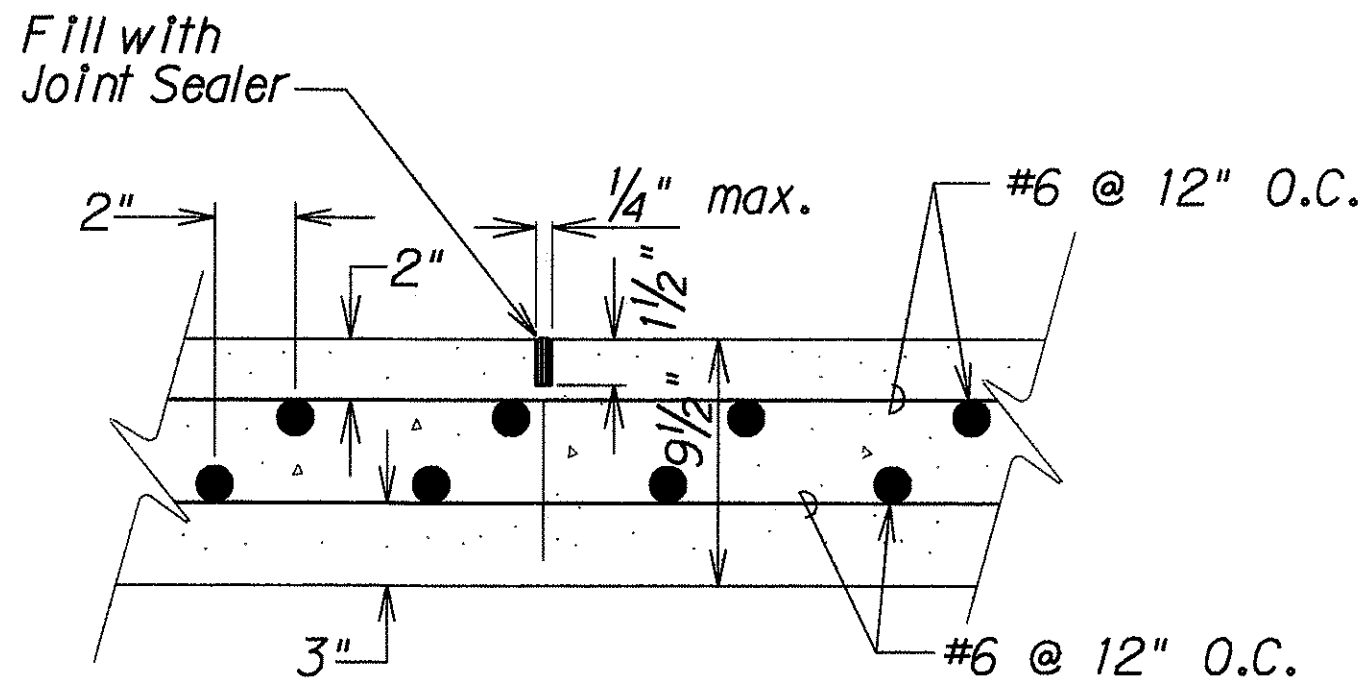
TYPICAL SECTION
HALAWA VALLEY ROAD
Sta. 20+25± to # Sta. 24+84±
Scale: 1/4"=1'-0"

7

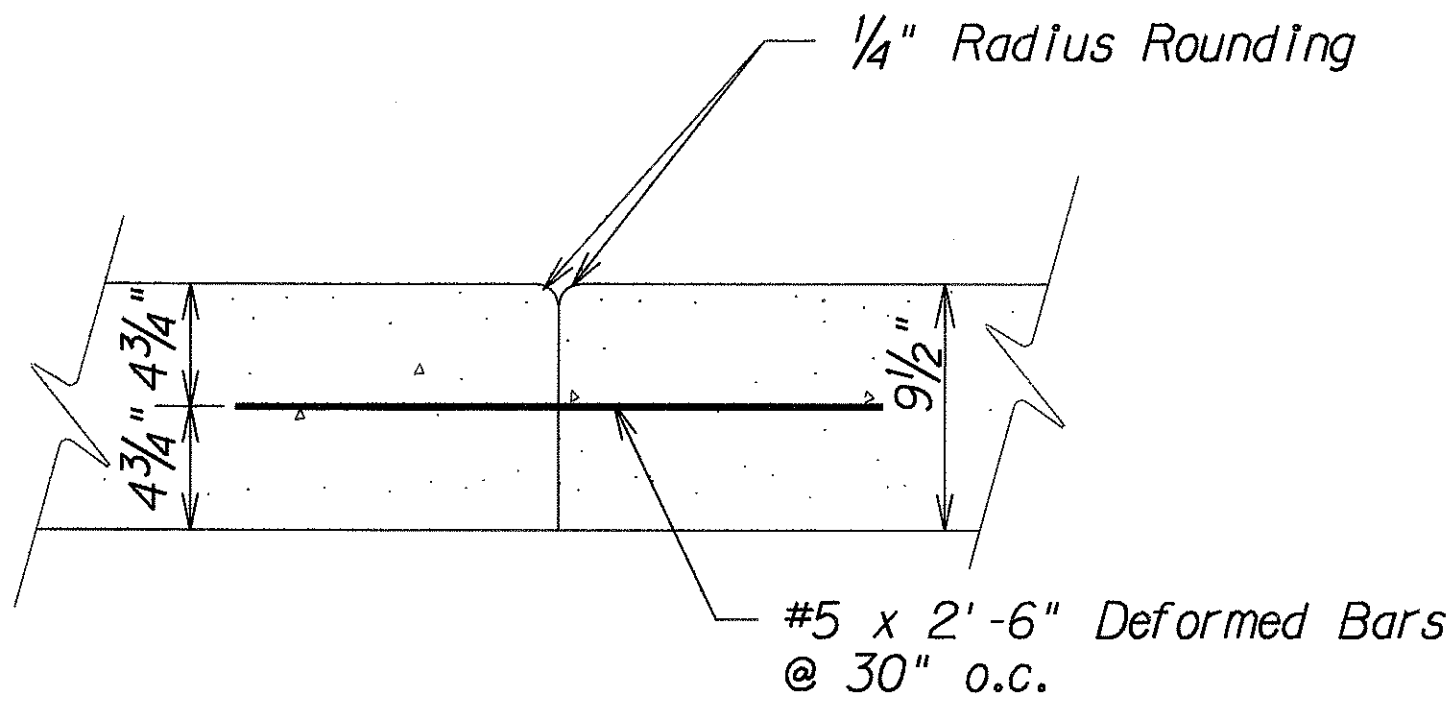
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	C.O.8	70



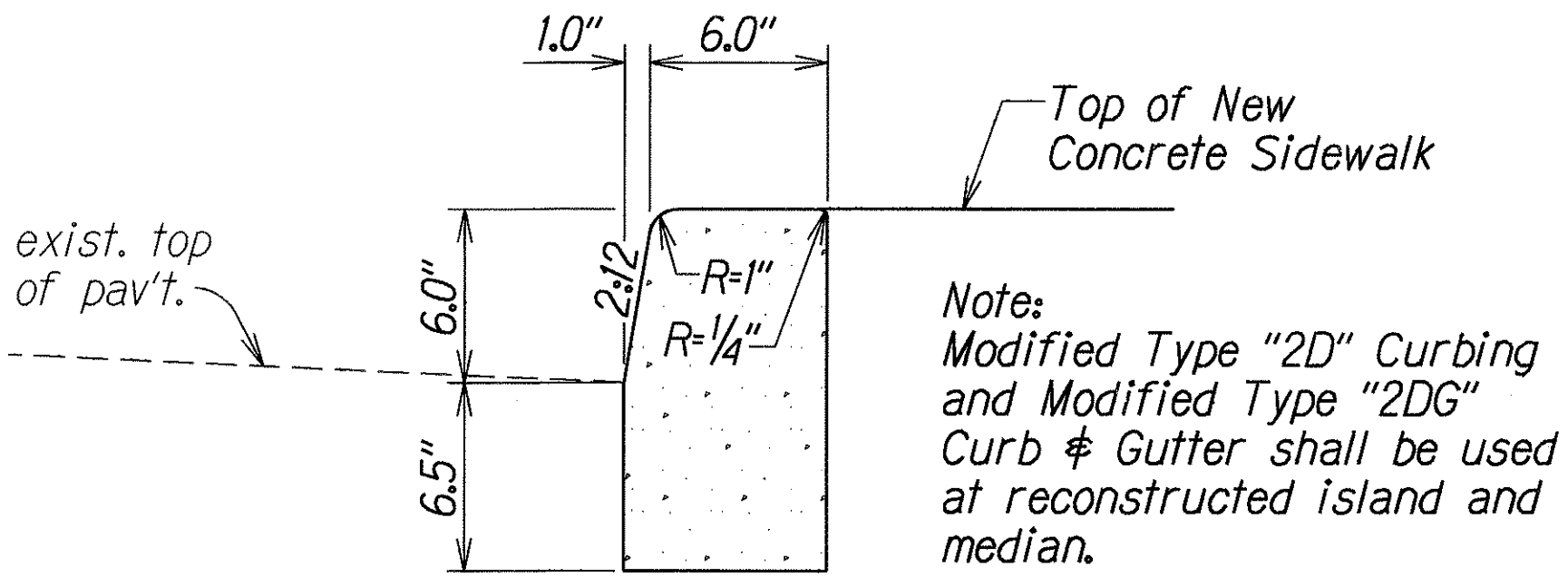
CURB & GUTTER, MODIFIED TYPE "2DG"
Scale: 1 1/2" = 1'-0"



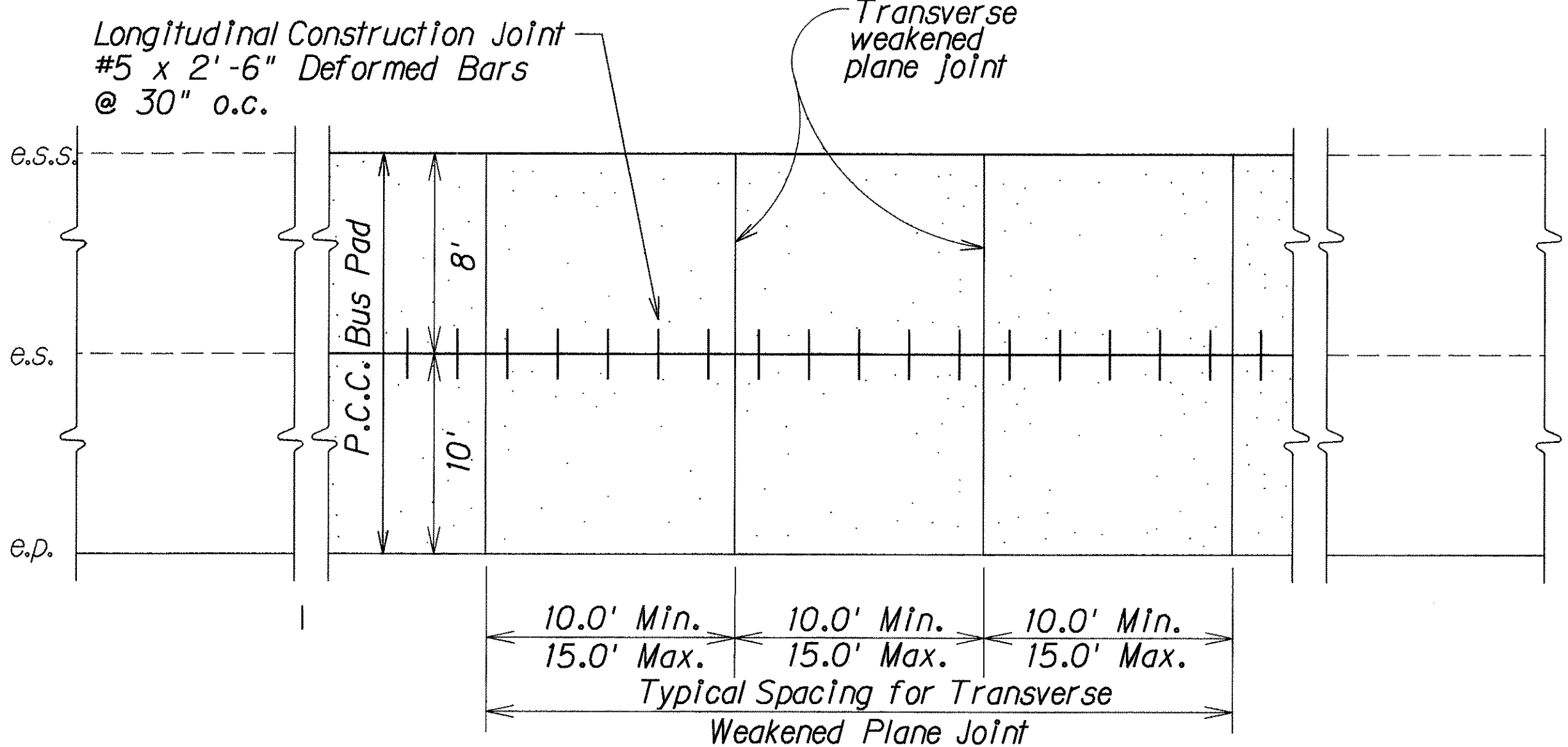
**TRANSVERSE WEAKENED PLANE JOINT
FOR P.C.C. BUS PAD
(SAWED CONTRACTION)**
Not To Scale



**LONGITUDINAL CONSTRUCTION JOINT
FOR P.C.C. BUS PAD
(CONTACT JOINT)**
Not To Scale



CURB, MODIFIED TYPE "2D" DETAIL
Scale: 2" = 1'-0"



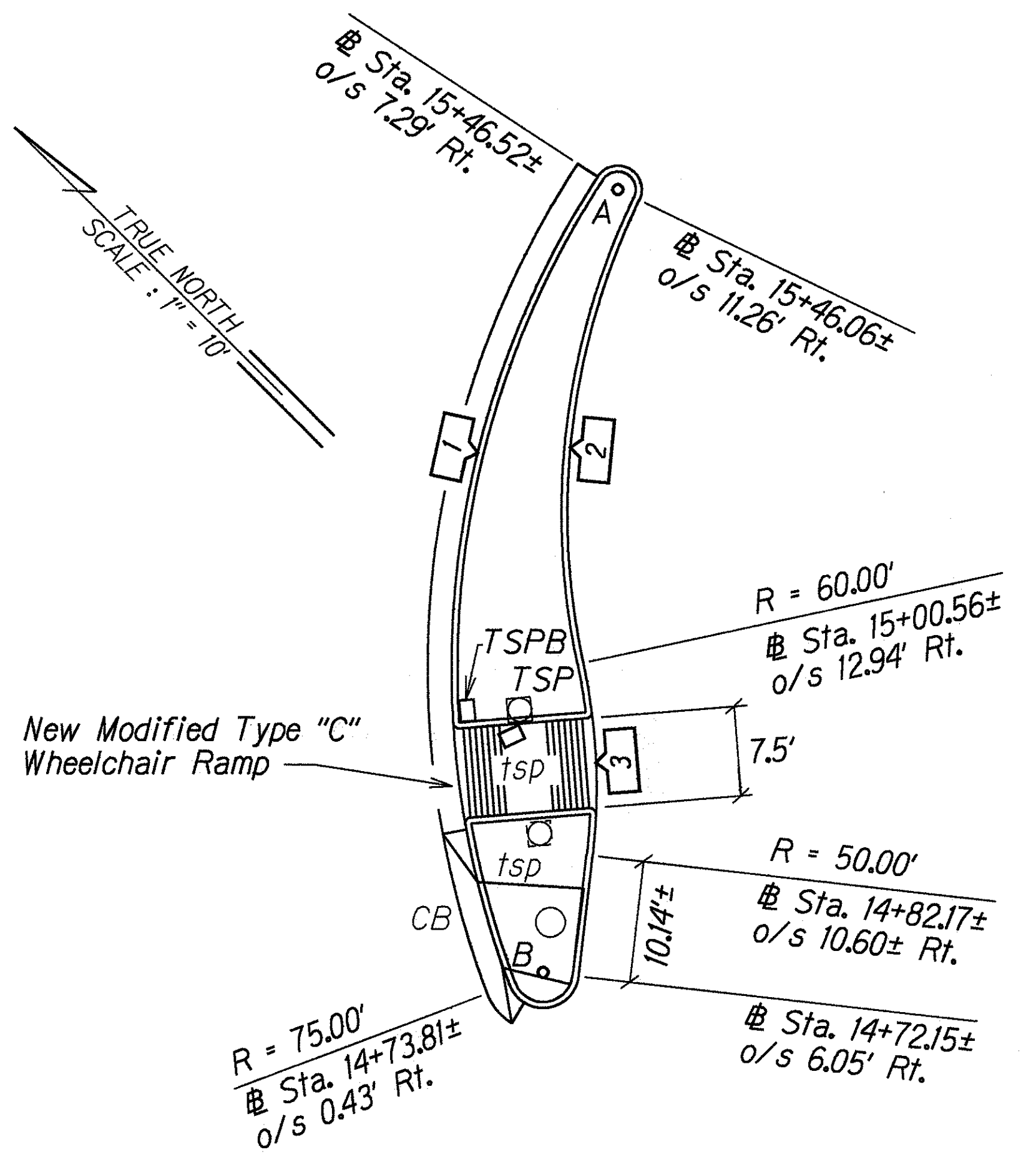
**TYPICAL JOINT LOCATION AND LAYOUT
PLAN FOR P.C.C. BUS PAD**
Not To Scale

Notes:
1. Transverse weakened plane joints and longitudinal construction joints required for the installation of P.C.C. Bus Pads shall be considered incidental to Item No. 411.1212, 9-1/2 Inch Reinforced Concrete Pavement, and will not be paid for separately.

DATE	7/11/97
DESIGNED BY	L. Passola
CHECKED BY	sc03/hor/did
ORIGINAL PLAN	
NOTES	
QUANTITIES	
BY	
DATE	7/11/97

7/11/97	Add Bus Stop Details.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION TYPICAL DETAILS ULUNE STREET IMPROVEMENTS Halawa Hts. Rd. to Halawa Valley Rd. And HALAWA VALLEY RD. IMPROVEMENTS Ulune St. to Iwaiwa St. Fed. Aid Project No. STP-0300(39) Scale: As Shown Date: July, 1997	
SHEET No. 1 OF 2 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	C.O.8S-3	70

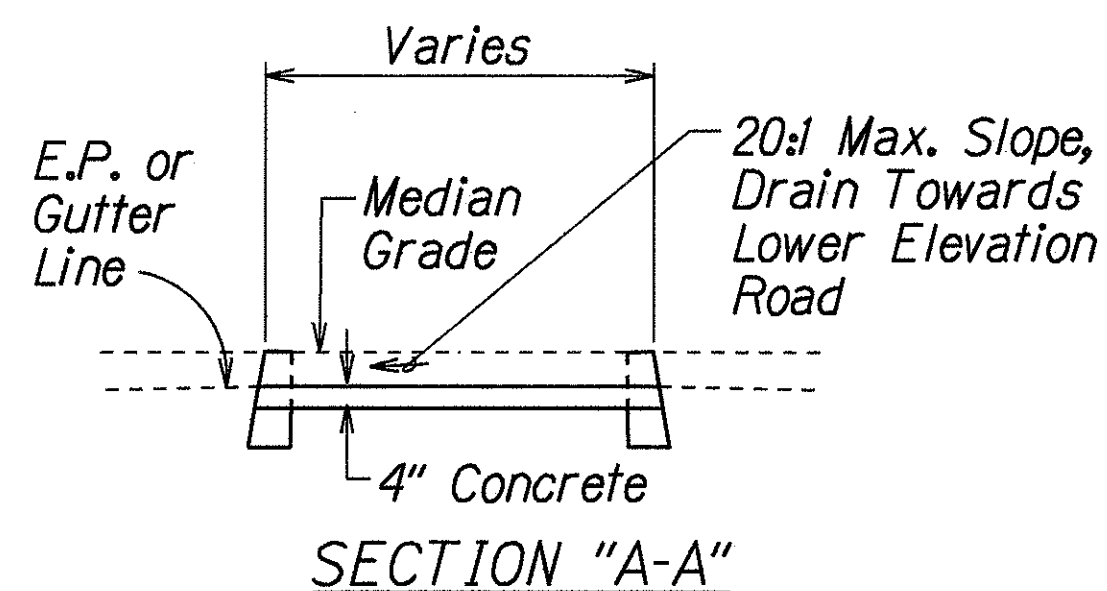
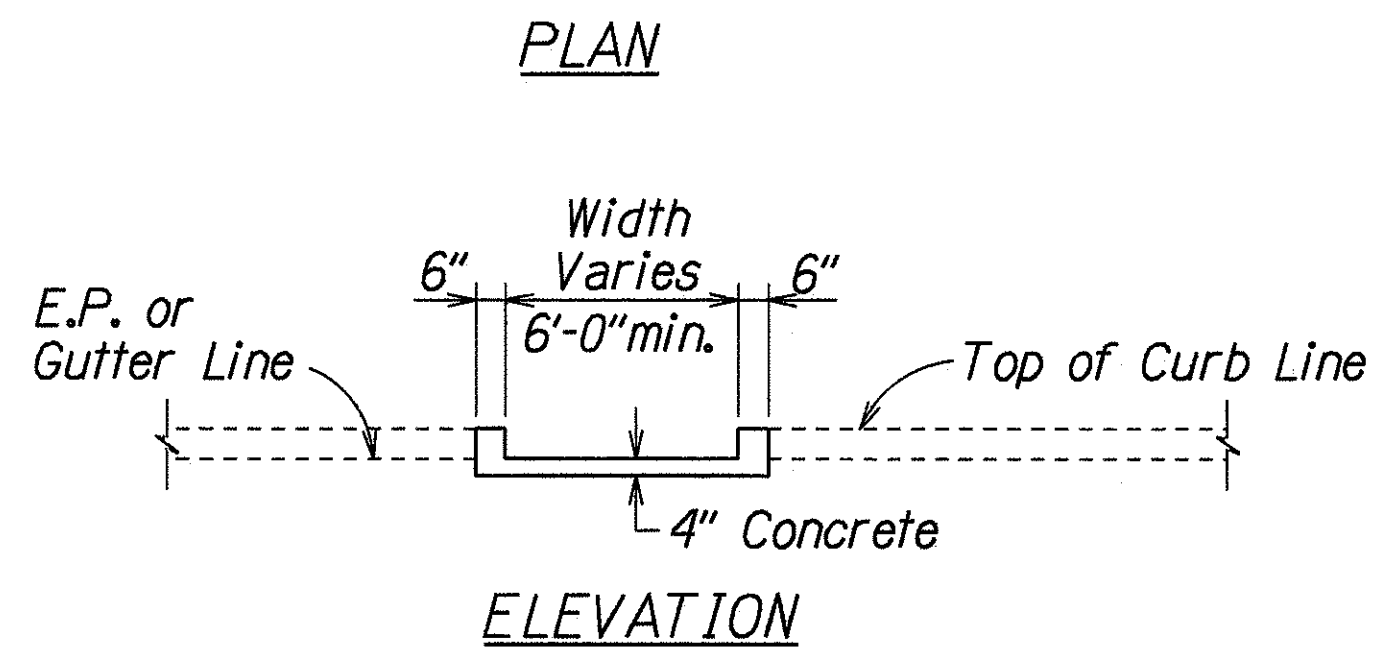
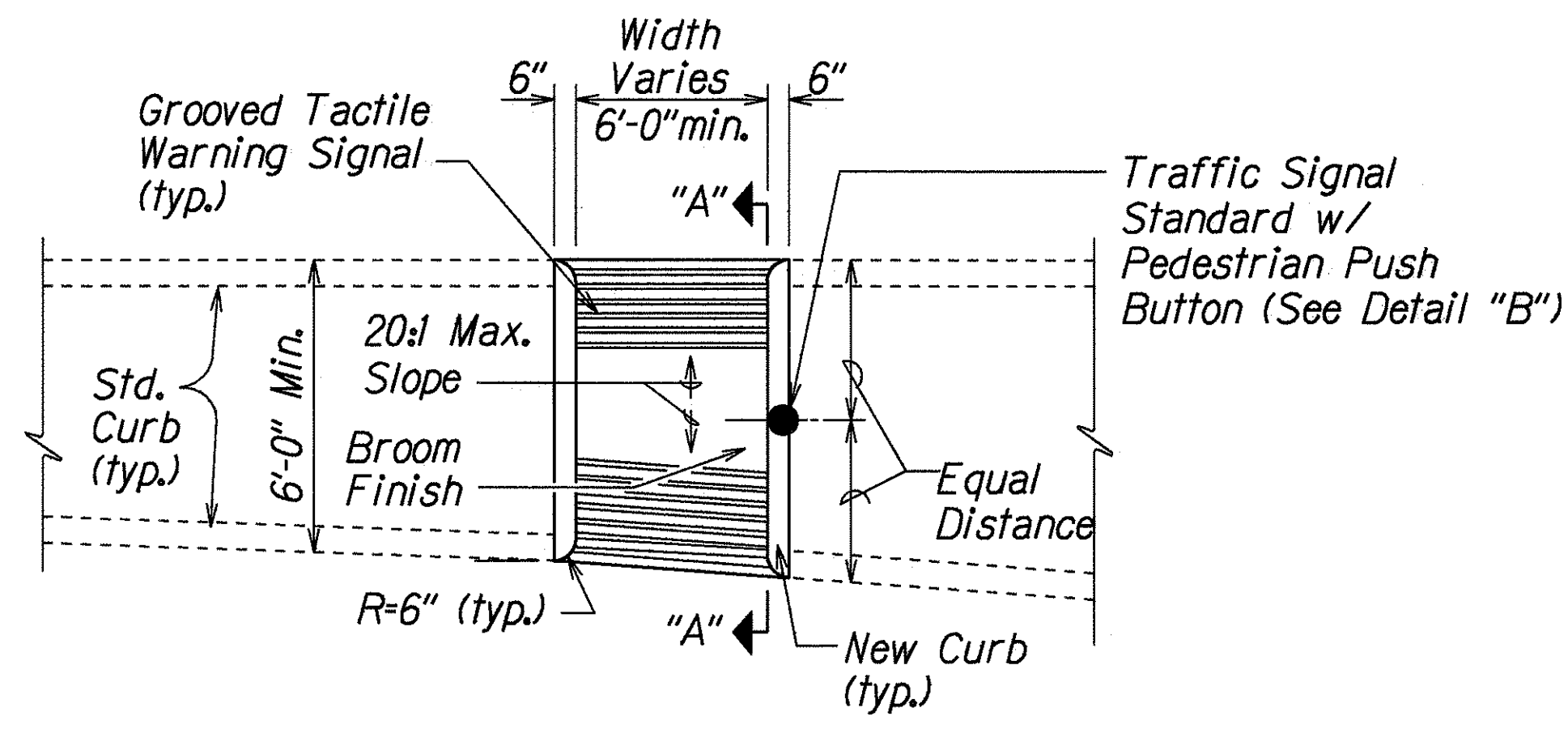


NEW MEDIAN ISLAND CURVE DATA					
	1	2	3	A	B
Δ	53°55'47.88"	37°56'07.85"	18°35'02.39"	172°41'02.82"	152°44'10.65"
R	75.00'	60.00'	50.00'	2.00'	3.00'
T	38.68'	20.99'	8.36'	33.39'	12.61'
C	68.75'	39.63'	16.49'	3.99'	5.84'
L	71.42'	40.39'	16.56'	6.04'	8.02'

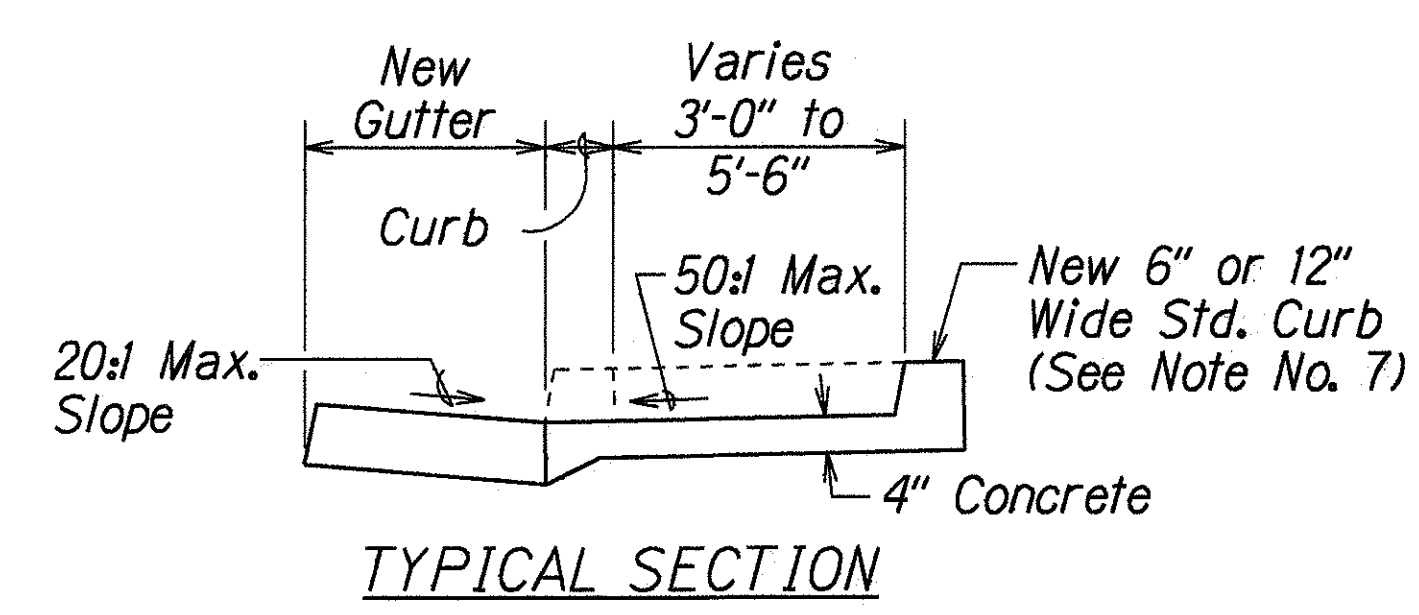
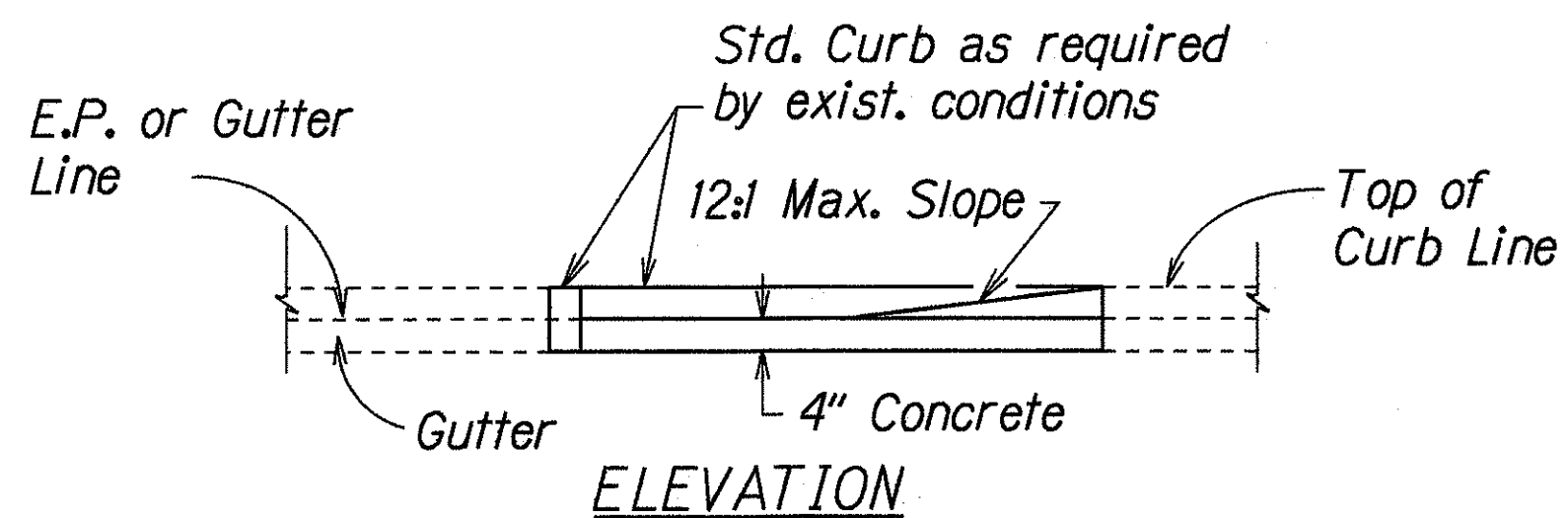
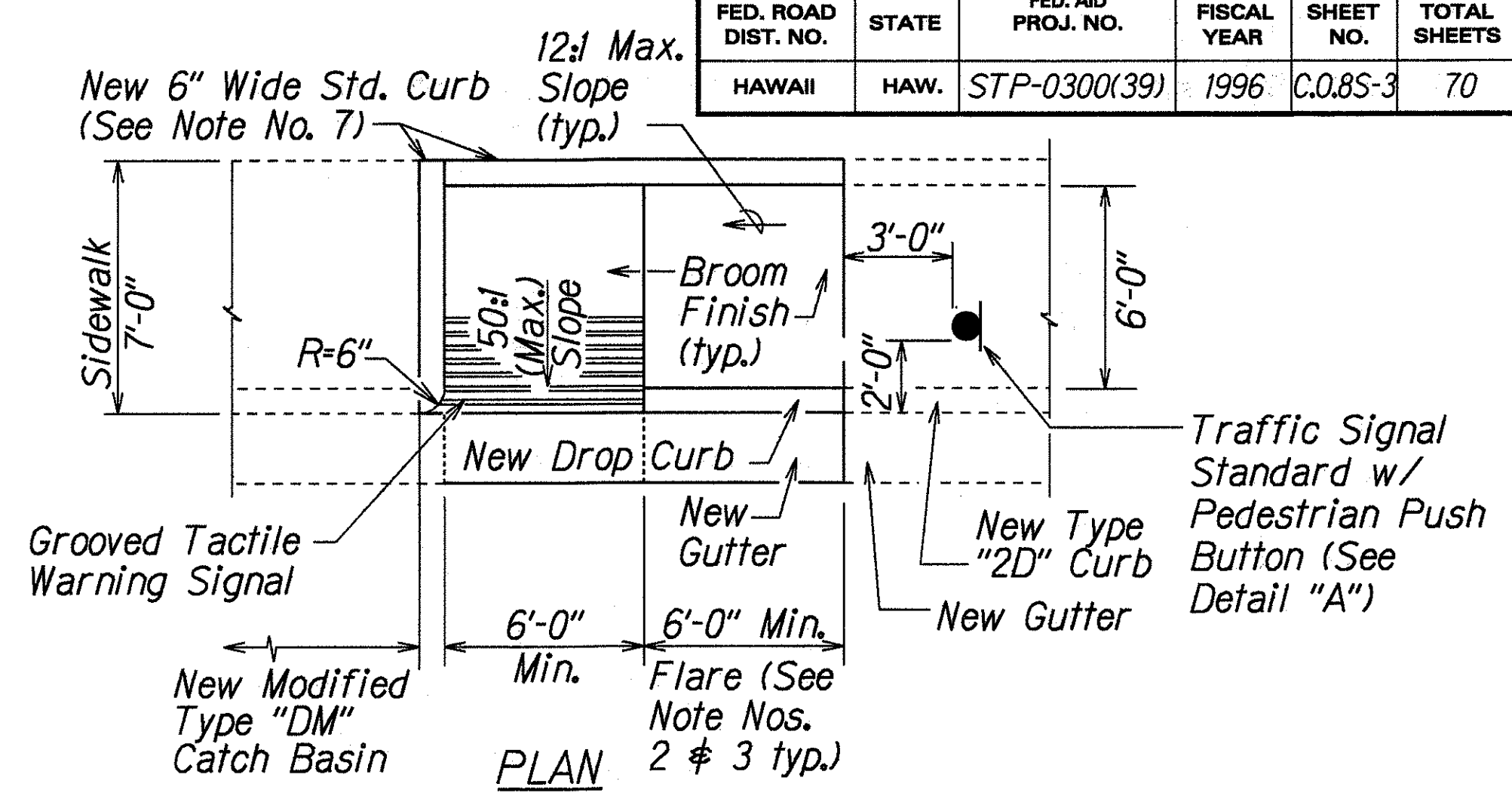
Note: Measurements taken from the outside of curb.

MEDIAN ISLAND DETAIL
Halawa Valley Road at Ulune Street
Scale: 1"=10'

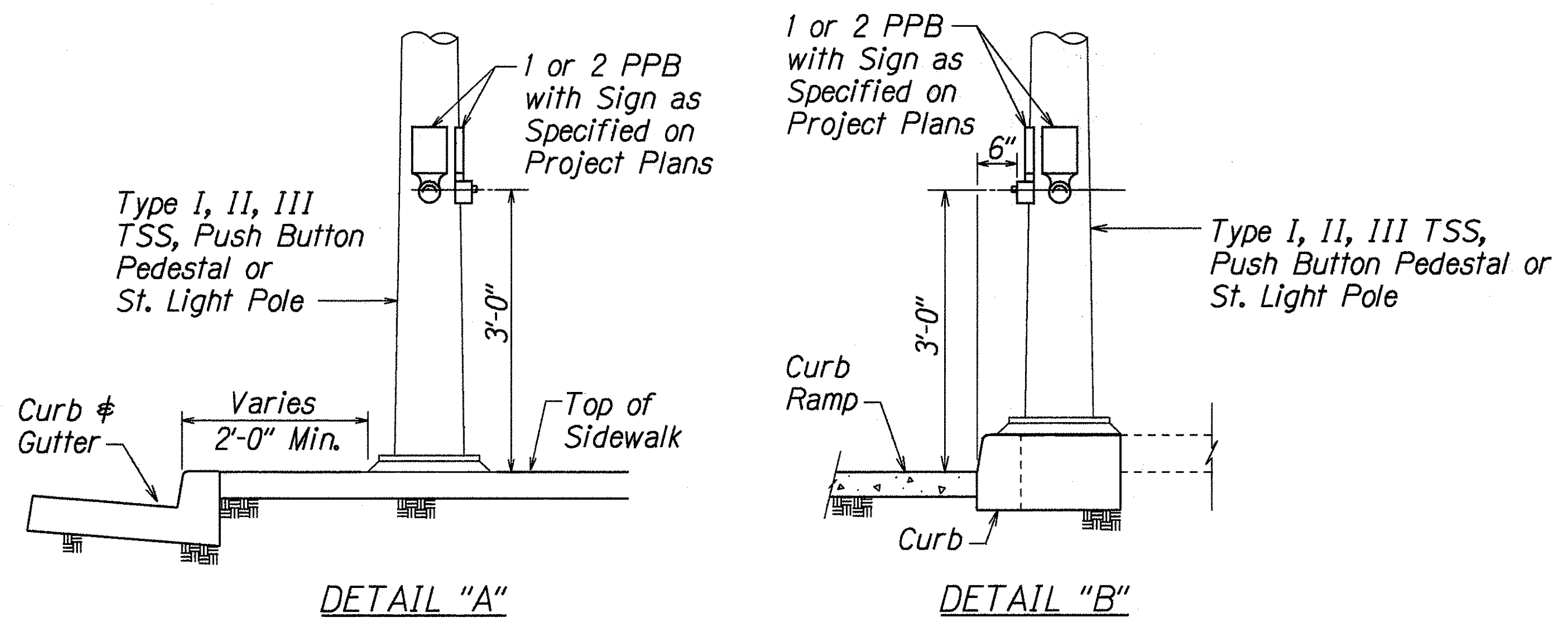
DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
DATE	



CURB RAMP - MODIFIED TYPE "C"
USE AT MEDIAN CROSSINGS, ISLANDS



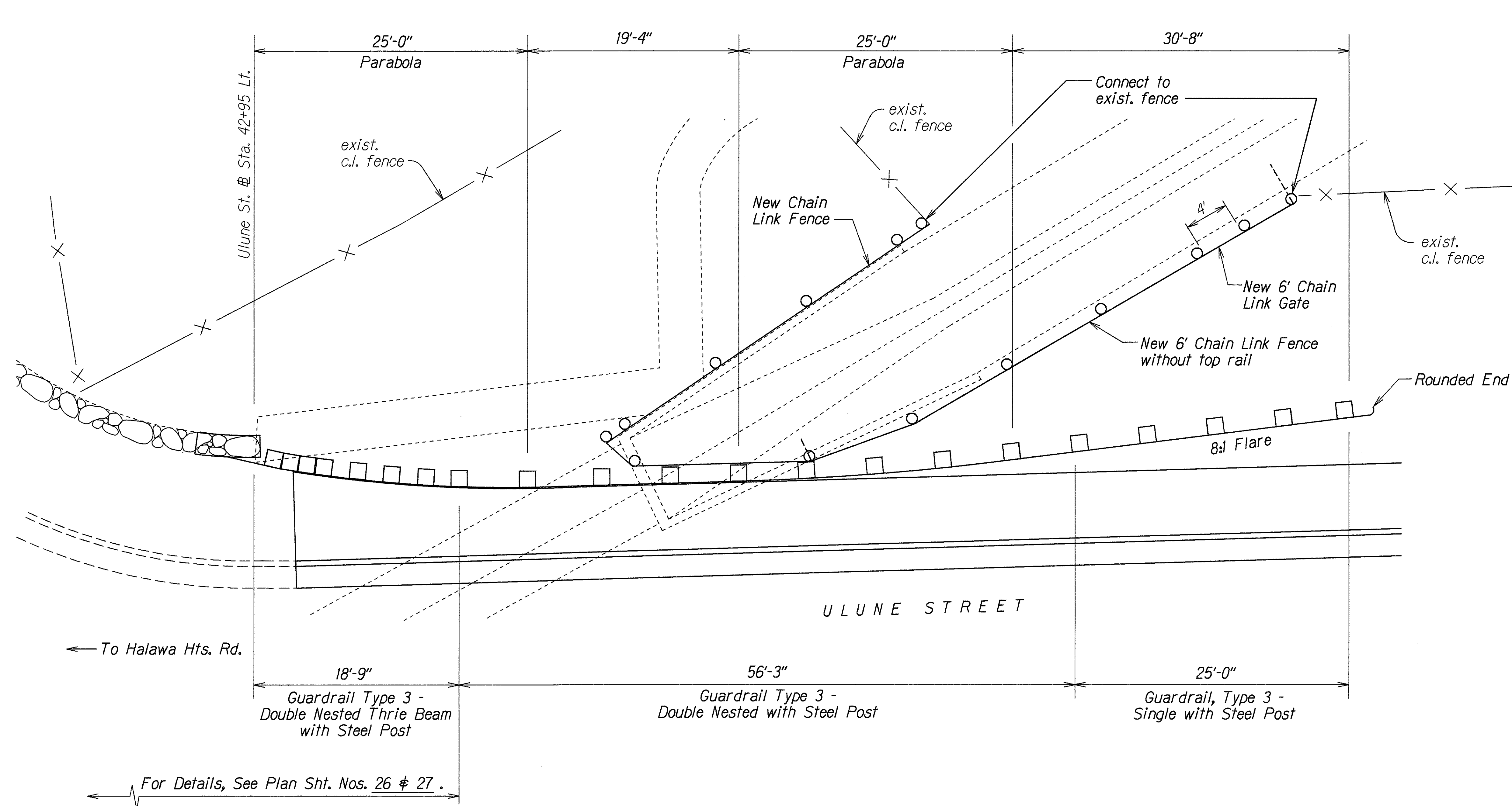
CURB RAMP - MODIFIED TYPE "B"



PEDESTRIAN PUSHBUTTON DETAILS

7/08/97	This sheet added to contract plans.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION MEDIAN ISLAND DETAILS ULUNE STREET IMPROVEMENTS Halawa Hts. Rd. to Halawa Valley Rd. And HALAWA VALLEY RD. IMPROVEMENTS Ulune St. to Iwaiwa St. Fed. Aid Project No. STP-0300(39) Scale: As Shown Date: Aug, 1997	
SHEET No. 1	OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	9	70



GUARDRAIL LAYOUT
ULUNE STREET @ STA. 42+95± TO @ STA. 43+95±
 Scale: $\frac{3}{16}" = 1'-0"$

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTED BY	DRAWN BY	4/10/96
CHECKED BY	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

GUARDRAIL & FENCE DETAILS

ULUNE STREET IMPROVEMENTS
Halawa Hts. Rd. to Halawa Valley Rd.
 And
HALAWA VALLEY RD. IMPROVEMENTS
Ulune St. to Iwaiwa St.
Fed. Aid Project No. STP-0300(39)

Scale: As Shown Date: May, 1996

SHEET No. 2 OF 2 SHEETS