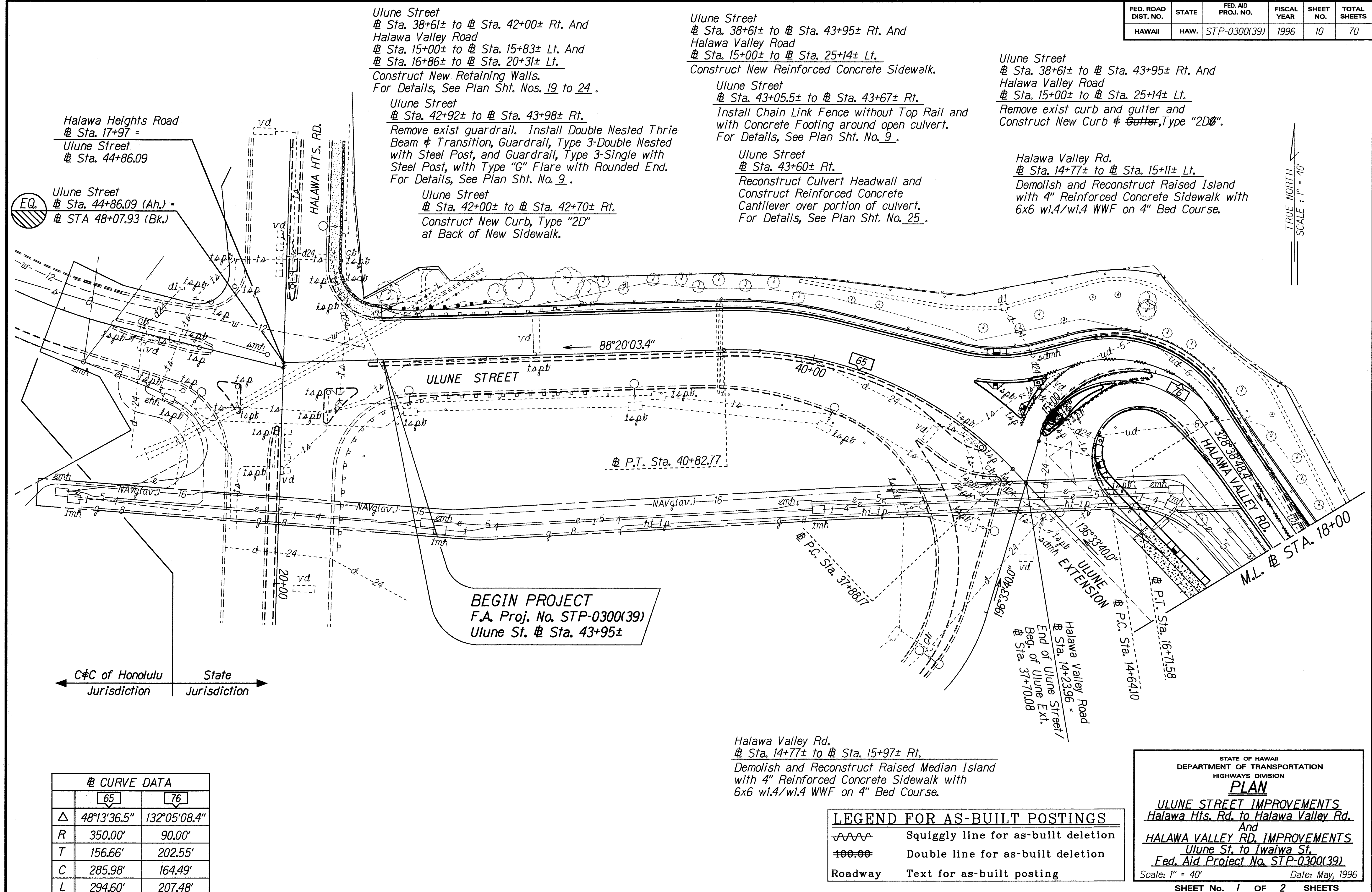


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	10	70



Halawa Heights Road
Sta. 17+97 =
Ulune Street
Sta. 44+86.09

EQ.
Ulune Street
Sta. 44+86.09 (Ah.) =
STA 48+07.93 (Bk.)

Ulune Street
Sta. 38+61± to # Sta. 42+00± Rt. And
Halawa Valley Road
Sta. 15+00± to # Sta. 15+83± Lt. And
Sta. 16+86± to # Sta. 20+31± Lt.
Construct New Retaining Walls.
For Details, See Plan Sht. Nos. 19 to 24.

Ulune Street
Sta. 42+92± to # Sta. 43+98± Rt.
Remove exist guardrail. Install Double Nested Thrie
Beam & Transition, Guardrail, Type 3-Double Nested
with Steel Post, and Guardrail, Type 3-Single with
Steel Post, with Type "G" Flare with Rounded End.
For Details, See Plan Sht. No. 9.

Ulune Street
Sta. 42+00± to # Sta. 42+70± Rt.
Construct New Curb, Type "2D"
at Back of New Sidewalk.

Ulune Street
Sta. 38+61± to # Sta. 43+95± Rt. And
Halawa Valley Road
Sta. 15+00± to # Sta. 25+14± Lt.
Construct New Reinforced Concrete Sidewalk.

Ulune Street
Sta. 43+05.5± to # Sta. 43+67± Rt.
Install Chain Link Fence without Top Rail and
with Concrete Footing around open culvert.
For Details, See Plan Sht. No. 9.

Ulune Street
Sta. 43+60± Rt.
Reconstruct Culvert Headwall and
Construct Reinforced Concrete
Cantilever over portion of culvert.
For Details, See Plan Sht. No. 25.

Ulune Street
Sta. 38+61± to # Sta. 43+95± Rt. And
Halawa Valley Road
Sta. 15+00± to # Sta. 25+14± Lt.
Remove exist curb and gutter and
Construct New Curb & Gutter, Type "2D".

Halawa Valley Rd.
Sta. 14+77± to # Sta. 15+11± Lt.
Demolish and Reconstruct Raised Island
with 4" Reinforced Concrete Sidewalk with
6x6 w1.4/w1.4 WWF on 4" Bed Course.

TRUE NORTH
SCALE: 1" = 40'

C#C of Honolulu State
Jurisdiction Jurisdiction

# CURVE DATA		
	65	76
Δ	48°13'36.5"	132°05'08.4"
R	350.00'	90.00'
T	156.66'	202.55'
C	285.98'	164.49'
L	294.60'	207.48'

BEGIN PROJECT
F.A. Proj. No. STP-0300(39)
Ulune St. # Sta. 43+95±

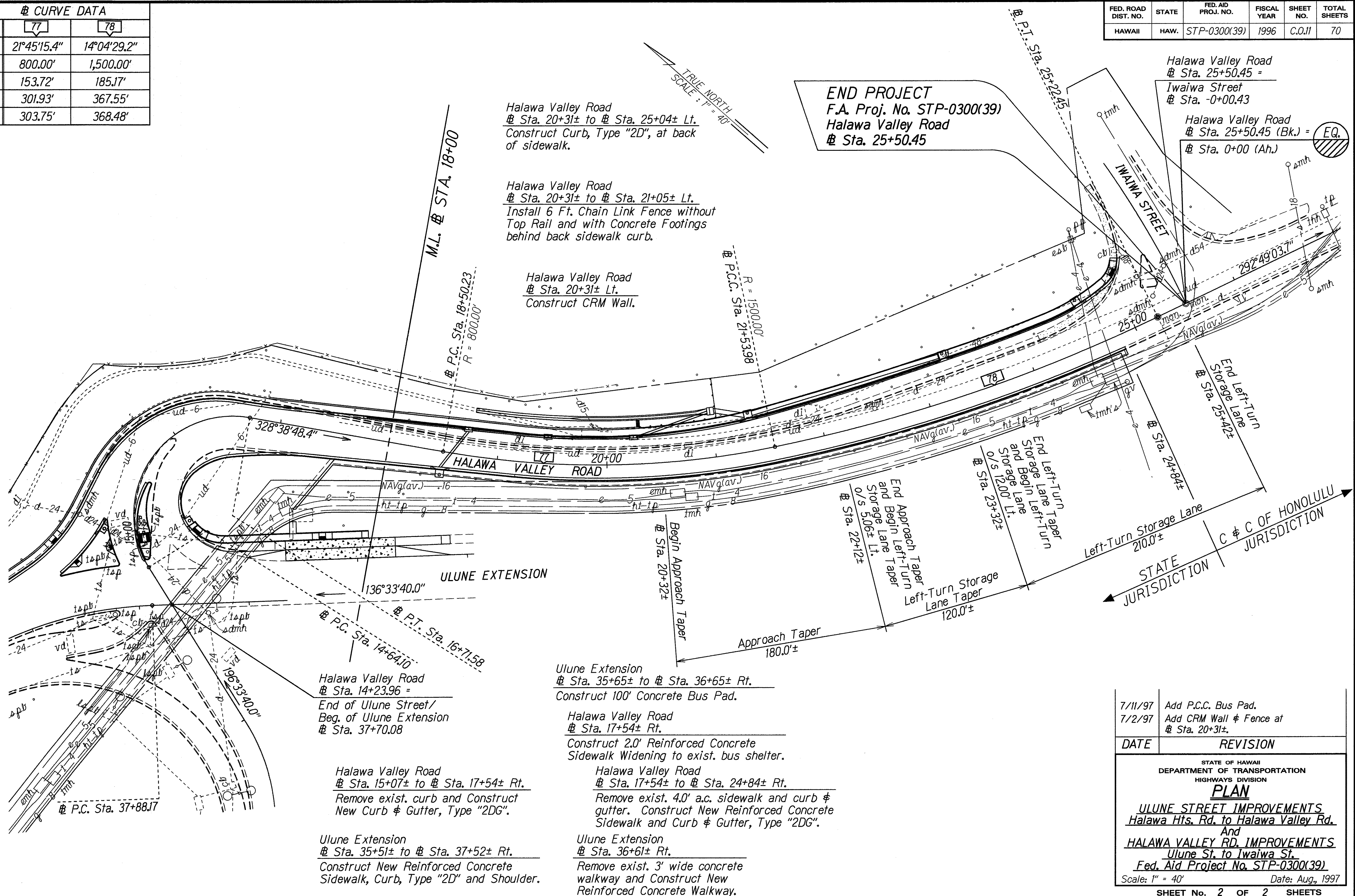
Halawa Valley Rd.
Sta. 14+77± to # Sta. 15+97± Rt.
Demolish and Reconstruct Raised Median Island
with 4" Reinforced Concrete Sidewalk with
6x6 w1.4/w1.4 WWF on 4" Bed Course.

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
PLAN
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: 1" = 40' Date: May, 1996
SHEET No. 1 OF 2 SHEETS

"AS-BUILT"

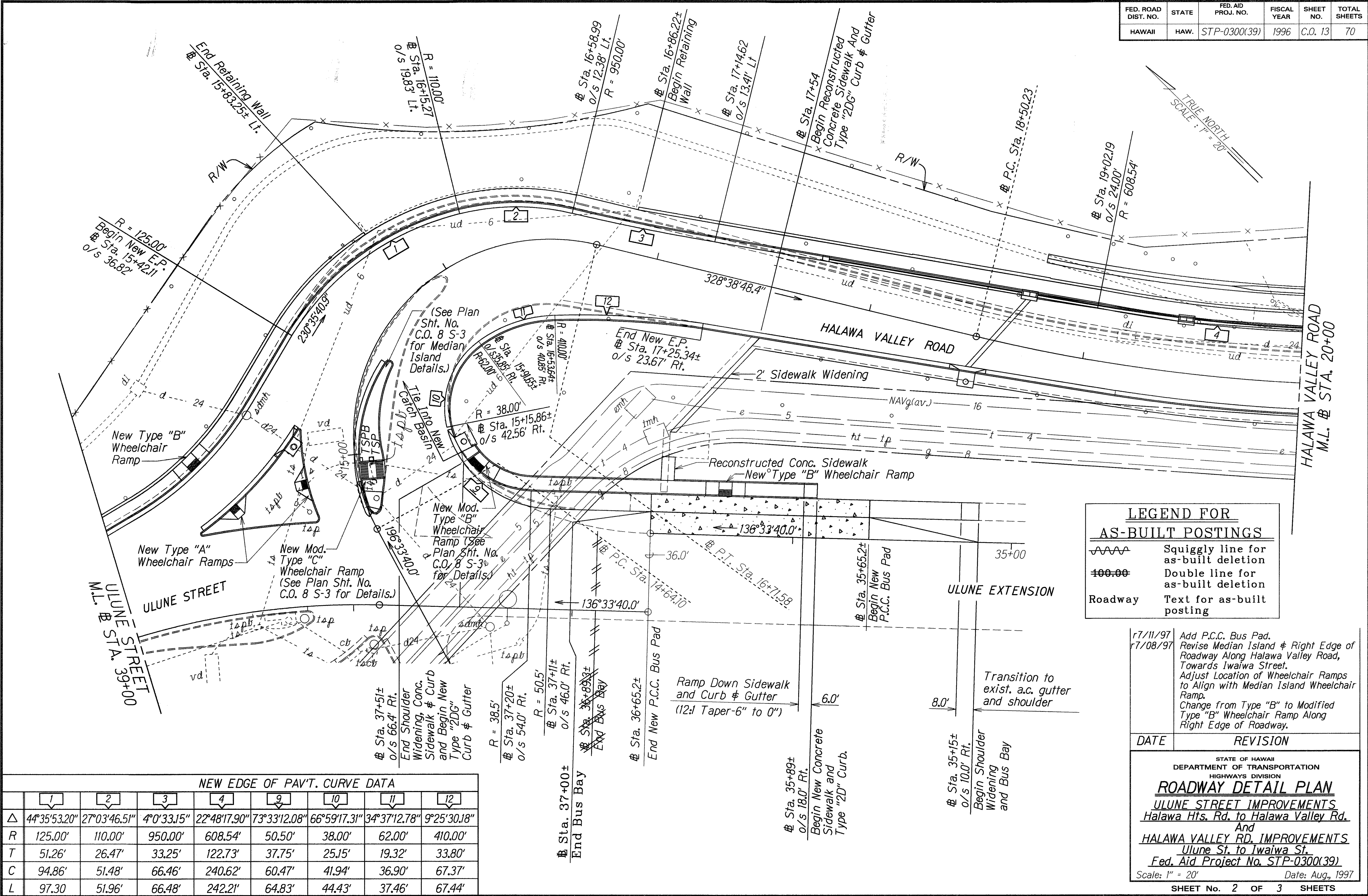
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	C.O.11	70



7/11/97	Add P.C.C. Bus Pad.
7/2/97	Add CRM Wall & Fence at # Sta. 20+31±.
DATE	REVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <u>PLAN</u> <u>ULUNE STREET IMPROVEMENTS</u> <u>Halawa Hts. Rd. to Halawa Valley Rd.</u> And <u>HALAWA VALLEY RD. IMPROVEMENTS</u> <u>Ulune St. to Iwaiwa St.</u> <u>Fed. Aid Project No. STP-0300(39)</u> Scale: 1" = 40' Date: Aug., 1997 SHEET NO. 2 OF 2 SHEETS
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	C.O. 13	70

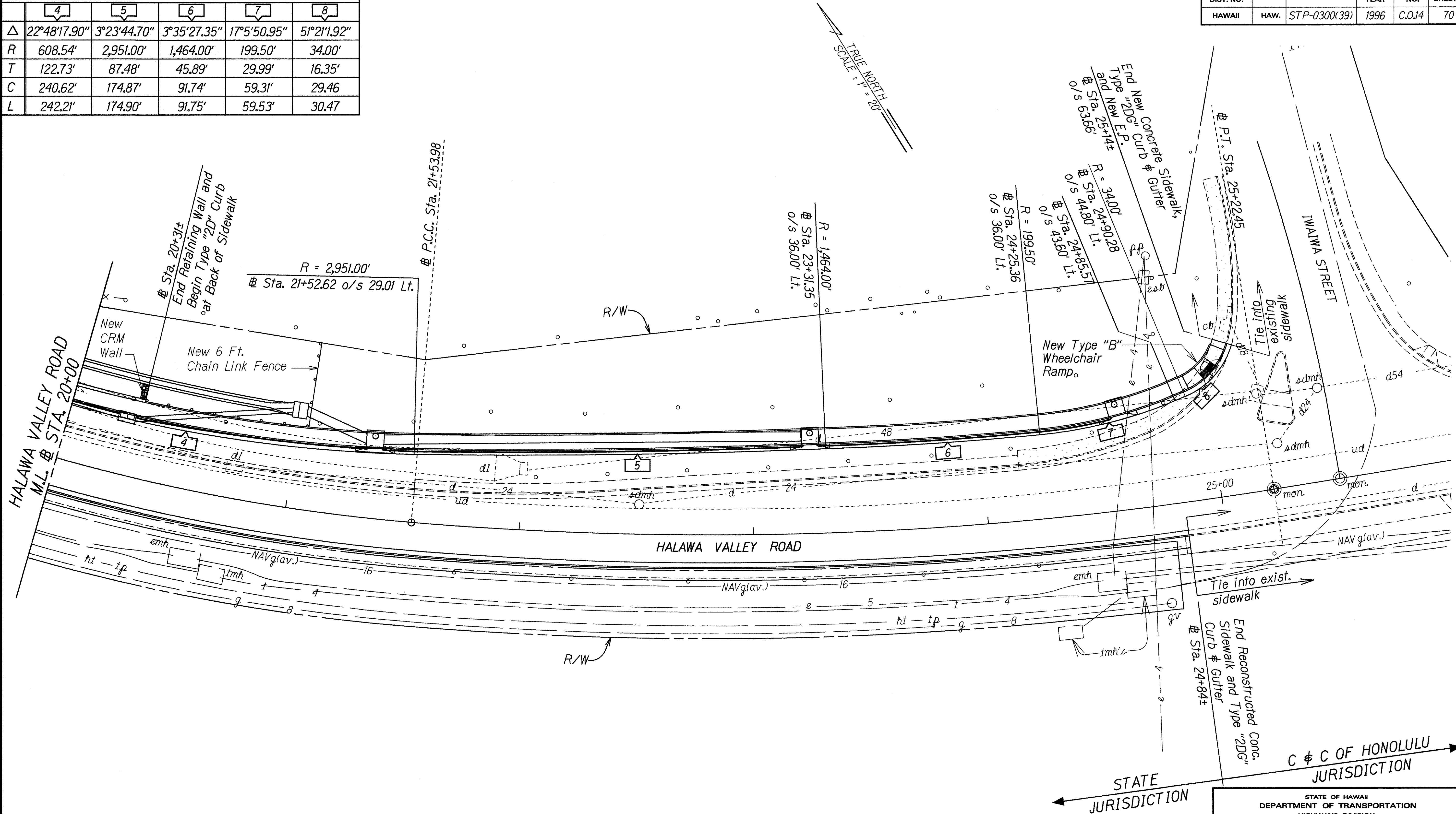


"AS-BUILT"

C.O. 13

NEW E.P. CURVE DATA					
	4	5	6	7	8
Δ	22°48'17.90"	3°23'44.70"	3°35'27.35"	17°5'50.95"	51°21'1.92"
R	608.54'	2,951.00'	1,464.00'	199.50'	34.00'
T	122.73'	87.48'	45.89'	29.99'	16.35'
C	240.62'	174.87'	91.74'	59.31'	29.46'
L	242.21'	174.90'	91.75'	59.53'	30.47'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(39)	1996	C.O.14	70



DESIGNED BY	DATE
TRACED BY	
QUANTITIES BY	
CHECKED BY	

7/2/97	Add CRM Wall & Fence at Sta. 20+31±.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY DETAIL PLAN

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: 1" = 20' Date: July, 1997

SHEET No. 3 OF 3 SHEETS