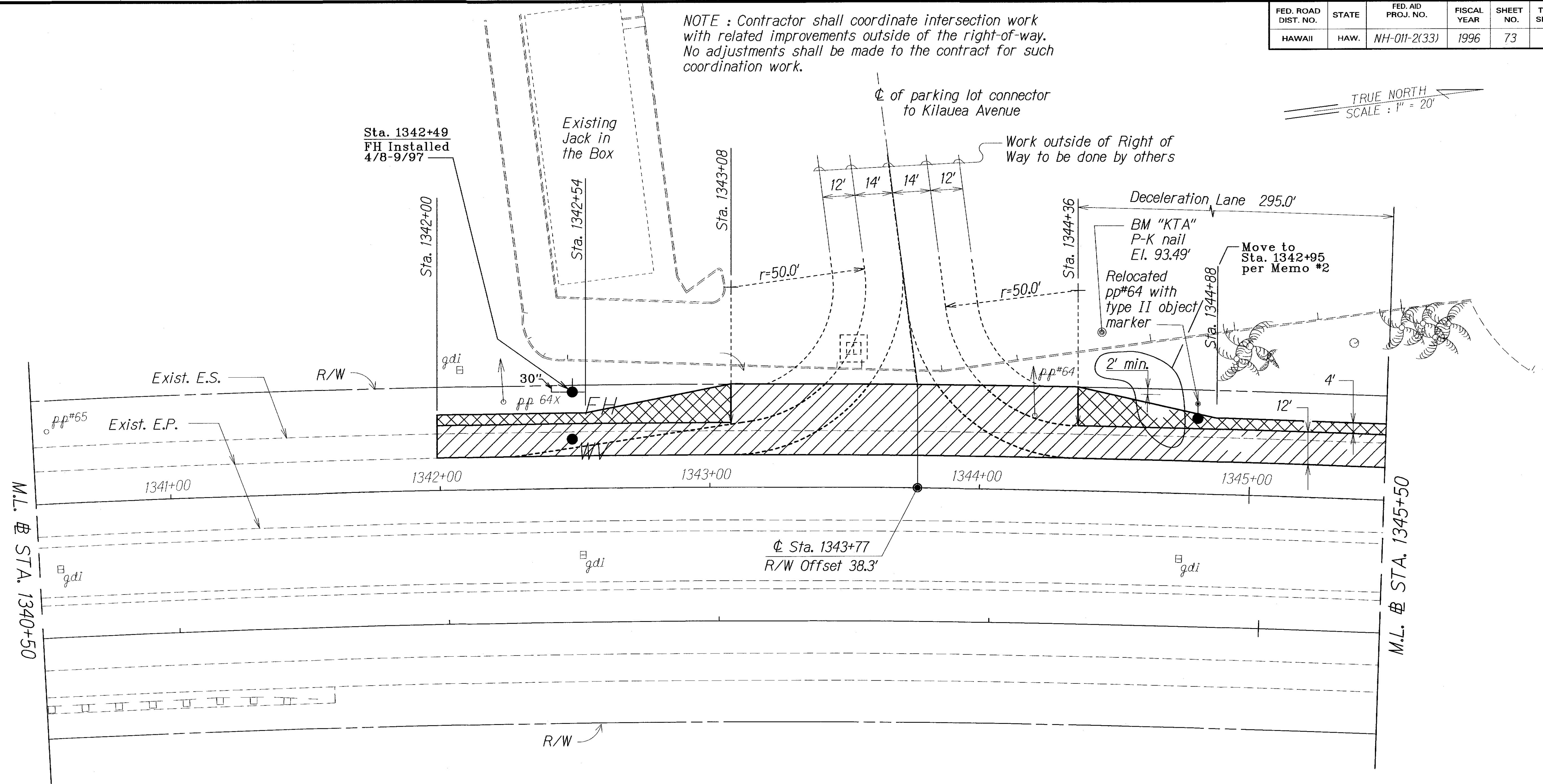


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	73	102



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	4/96
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	
NO.	

- Reconstruction for Shoulder
- Reconstruction for Deceleration Lane

Sta. 1344+90 Lt. Remove Existing Fire Hydrant Unit
 Remove, salvage, and return the following items to the Department of Water Supply baseyard at 889 Leilani Street, Hilo, Hawaii:

- 1 - Fire Hydrant Unit
- 1 - 20"x6" Tee
- 1 - 6" valve

Install:
 2 - 20" solid body sleeves with necessary nipples and appurtenances to complete the work in place. This work shall be considered incidental to Item No. 624.1650 - Furnish and Install Fire Hydrant.

Sta. 1344+70 Lt. Install Fire Hydrant Unit
 Fire hydrant connection, Layout B.

- 1 - 20"x6" Tapping Sleeve
- 1 - 6" Tapping Valve
- 2 - Concrete Block
- 1 - Fire Hydrant Unit
- 1 - Valve Box and Cover

Furnishing and installing fire hydrant and related appurtenances, complete in place, shall be paid for on a lump sum basis under Item No. 624.1650 - Furnish and Install Fire Hydrant. Contractor shall verify exact quantities in the field. Trenching shall be considered incidental work and no separate payment shall be provided. See Sheet 63 for trench detail.

Sta. 1344+80 Lt.
 New location for power pole #64. Relocation to be done by others. Install new street light on power pole. Furnishing and installing street light, complete in place, shall be paid for under Item No. 622.1000 - Highway Lighting System.

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

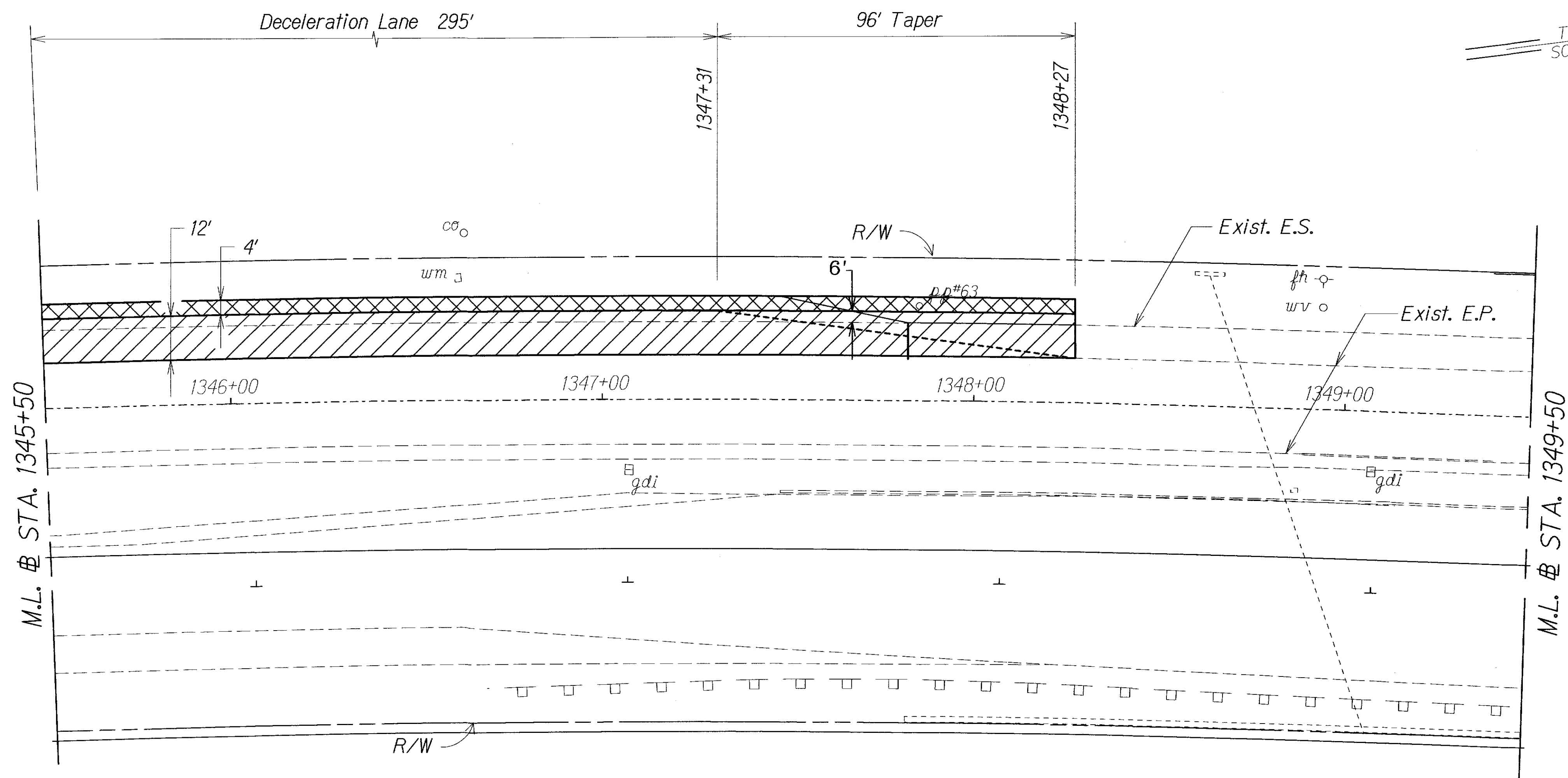
STATION 1343+77 (OBL)
INTERSECTION DETAILS

KANOELEHUA AVENUE RESURFACING
 PANAHEWA BRIDGE TO PUAINAKO ST.
 F.A. PROJECT NO. NH-011-2(33)

Scale: 1"=20' Date: April, 1996

SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	74	102



Note: Contractor's attention is directed to Section 104 of the Special Provisions regarding decreasing the scope of work for the intersection at Station 1343+77 if funding is not available.

- Reconstruction for Shoulder
- Reconstruction for Deceleration Lane

SCHEDULE A - PAY ITEM QUANTITIES FOR INTERSECTION AT STATION 1343+77					
ITEM NO.	DESCRIPTION	QUANTITY	ITEM NO.	DESCRIPTION	QUANTITY
203.3000	Roadway Excavation	525 c.y.	629.1320	8-inch Pavement Striping (T.E. or Tape, Type II)	400 l.f.
306.0100	Untreated Permeable Base	150 c.y.	629.1420	12-inch Pavement Striping (T.E. or Tape Type II)	150 l.f.
312.0100	Plant Mix Glassphalt Concrete Base Course	360 Tons	629.1430	12-inch Pavement Striping (T.E. or Tape Type III)	15 l.f.
401.0400	Asphalt Concrete Pavement, Mix No. IV	200 Tons	629.1750	4-inch Guideline and/or Edge line Extension Stripe (T.E. or Tape, Type III)	300 l.f.
621.4032	Reflector Marker (RM-3) with Flex Post	7 each	629.6200	Pavement Arrows	2 each
621.5000	Type II Object Marker	1 each	629.6300	Pavement Words	2 each
621.6001	Regulatory & Warning Sign (10 sq. ft. or less) w/ Post	1 each	629.2020	Type C Pavement Markers	40 each
622.1000	Highway Lighting System	l.s.		Relocate pp#64 (To be completed by HELCO)	
624.1650	Furnish and Install Fire Hydrant	1 each			

T.E. = Thermoplastic Extrusion

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
STATION 1343+77 (OBL)
INTERSECTION DETAILS
KANOELEHUA AVENUE RESURFACING
PANAWEA BRIDGE TO PUAINAKO ST.
F.A. PROJECT NO. NH-011-2(33)
Scale: 1"=20' Date: April, 1996
SHEET No. 2 OF 3 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	4/96
	TRACED BY	
	DESIGNED BY	
	CHECKED BY	
	IN CHARGE	
	DATE	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-011-2(33)	1996	75	102

CURVE DATA			
①	②	③	④
$\Delta = 81.309^\circ$	$\Delta = 81.881^\circ$	$\Delta = 97.250^\circ$	$\Delta = 97.239^\circ$
$R = 64'$	$R = 50'$	$R = 64'$	$R = 50'$
$T = 54.96'$	$T = 43.37'$	$T = 72.66'$	$T = 56.75'$
$Lc = 90.82'$	$Lc = 71.48'$	$Lc = 108.63'$	$Lc = 84.89'$

ELEVATIONS				
CURVE NO.	POINT NO.	ANGLE (degrees)	RADIUS (feet)	ELEVATION (feet)
Curve 1	1	20.307	38	93.945
	2	0.000	50	93.889
Curve 2	1	17.905	50	94.106
	2	35.810	50	94.155
	3	44.309	50	94.417
	4	0.000	64	94.141
Curve 3	1	17.905	64	94.475
	2	35.810	64	94.638
	3	48.643	64	94.498
	4	53.715	64	94.688
	5	0.000	64	96.530
Curve 4	1	17.905	64	96.097
	2	35.810	64	95.575
	3	48.628	64	95.063
	4	53.715	64	95.129
	5	0.000	50	96.291
Curve 5	1	17.905	50	95.887
	2	35.810	50	95.386
	3	44.217	50	95.427
	4	19.951	38	95.838

NOTES:

- Elevations referenced to BM "KTA". See Sheet 73.
- Contractor shall field verify existing conditions to ensure maintenance of longitudinal drainage and to provide smooth riding transitions into parking lot.

