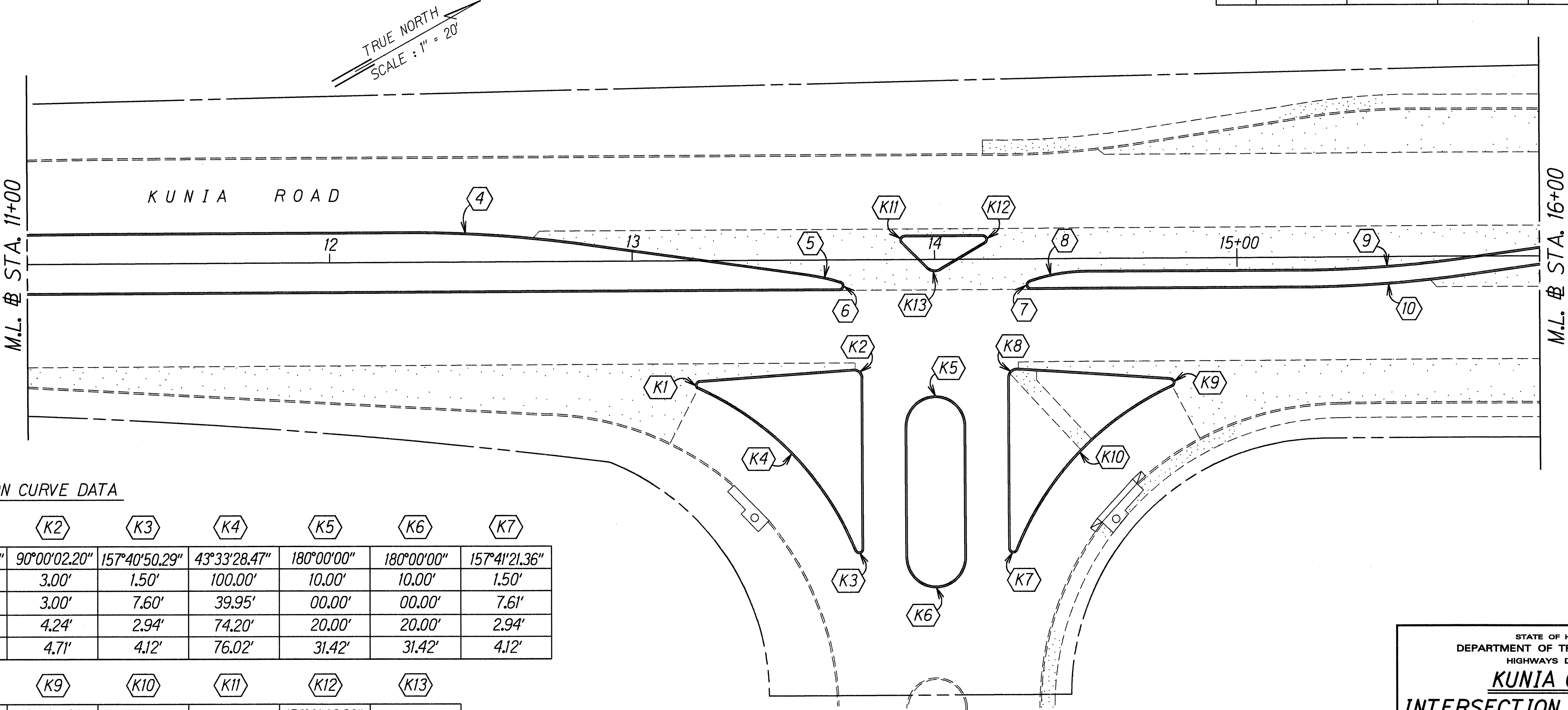
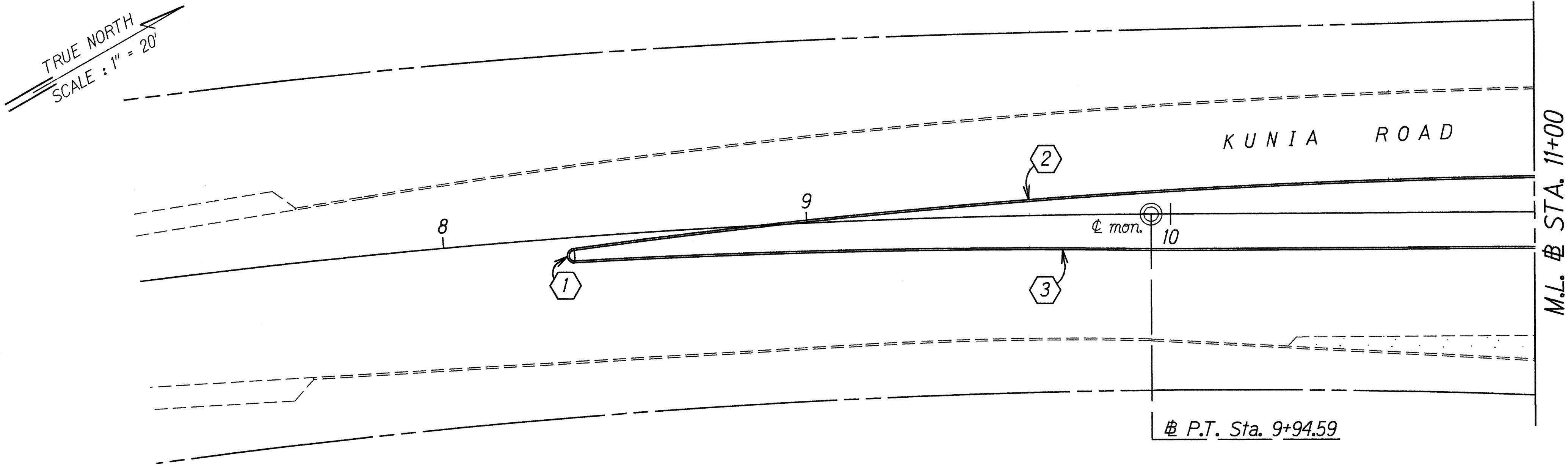


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7500(1)	1996	8	23

MEDIAN CURVE DATA

	①	②	③	④	⑤
Δ	175°27'01.75"	7°26'14.16"	3°58'22.62"	6°50'23.98"	9°56'31.19"
R	2.00'	2200.00'	2282.93'	420.10'	60.00'
T	50.35'	142.99'	79.18'	25.11'	5.22'
C	4.00'	285.37'	158.27'	50.12'	10.40'
L	6.12'	285.57'	158.30'	50.15'	10.41'

	⑥	⑦	⑧	⑨	⑩
Δ	161°57'16.49"	161°34'06.37"	18°25'44.13"	6°50'23.08"	6°50'23.64"
R	1.50'	1.50'	60.00'	414.11'	420.11'
T	9.45'	9.21'	9.73'	24.75'	25.11'
C	2.96'	2.96'	19.22'	49.41'	50.12'
L	4.24'	4.23'	19.30'	49.43'	50.15'



INTERSECTION CURVE DATA

	K1	K2	K3	K4	K5	K6	K7
Δ	128°40'08.02"	90°00'02.20"	157°40'50.29"	43°33'28.47"	180°00'00"	180°00'00"	157°41'21.36"
R	1.50'	3.00'	1.50'	100.00'	10.00'	10.00'	1.50'
T	3.12'	3.00'	7.60'	39.95'	00.00'	00.00'	7.61'
C	2.70'	4.24'	2.94'	74.20'	20.00'	20.00'	2.94'
L	3.37'	4.71'	4.12'	76.02'	31.42'	31.42'	4.12'

	K8	K9	K10	K11	K12	K13
Δ	90°00'01.39"	128°40'12.11"	43°33'29.05"	136°14'17.29"	150°01'02.98"	75°33'20.10"
R	3.00'	1.50'	100.00'	1.50'	1.50'	4.00'
T	3.00'	3.12'	39.95'	3.74'	5.60'	3.10'
C	4.24'	2.70'	74.21'	2.78'	2.90'	4.90'
L	4.71'	3.37'	76.02'	3.57'	3.93'	5.27'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
PLAN	DRAWN BY	1-5-96
NOTE BOOK	TRACED BY	
004, Jason	CHECKED BY	
004, Jason	QUANTITIES BY	
004, Jason	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KUNIA GATE

INTERSECTION DETAIL PLAN

KUNIA ROAD RESURFACING
Kunja Gate to Waiikina Drive
Federal Aid Proj. No. STP-7500(1)

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

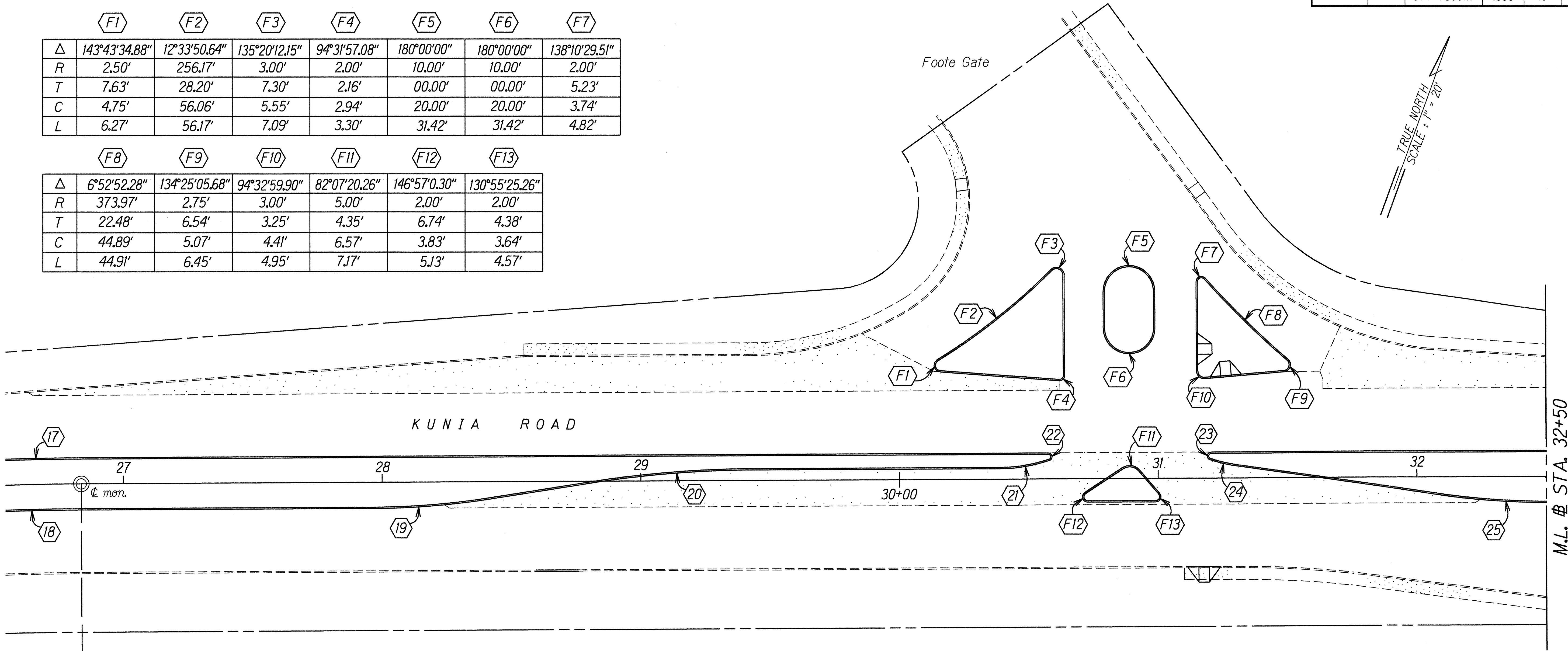
SHEET No. 1 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7500(1)	1996	10	23

INTERSECTION CURVE DATA

	F1	F2	F3	F4	F5	F6	F7
Δ	143°43'34.88"	12°33'50.64"	135°20'12.15"	94°31'57.08"	180°00'00"	180°00'00"	138°10'29.51"
R	2.50'	256.17'	3.00'	2.00'	10.00'	10.00'	2.00'
T	7.63'	28.20'	7.30'	2.16'	00.00'	00.00'	5.23'
C	4.75'	56.06'	5.55'	2.94'	20.00'	20.00'	3.74'
L	6.27'	56.17'	7.09'	3.30'	31.42'	31.42'	4.82'

	F8	F9	F10	F11	F12	F13
Δ	6°52'52.28"	134°25'05.68"	94°32'59.90"	82°07'20.26"	146°57'0.30"	130°55'25.26"
R	373.97'	2.75'	3.00'	5.00'	2.00'	2.00'
T	22.48'	6.54'	3.25'	4.35'	6.74'	4.38'
C	44.89'	5.07'	4.41'	6.57'	3.83'	3.64'
L	44.91'	6.45'	4.95'	7.17'	5.13'	4.57'



MEDIAN CURVE DATA

	17	18	19	20	21	22	23
Δ	40°29'14.92"	32°49'12.32"	9°07'44.02"	6°50'18.29"	18°25'32.09"	16°32'02.81"	16°34'30.71"
R	1156.04'	1136.04'	314.71'	420.20'	60.00'	1.50'	1.50'
T	426.34'	334.57'	25.12'	25.11'	9.73'	9.23'	9.25'
C	800.01'	641.88'	50.09'	50.12'	19.21'	2.96'	2.96'
L	816.90'	650.74'	50.14'	50.15'	19.30'	4.23'	4.23'

	24	25	26	27
Δ	10°25'33.11"	9°07'57.47"	11°57'08.08"	12°12'46.95"
R	60.00'	314.58'	1422.40'	1442.40'
T	5.47'	25.12'	148.90'	154.31'
C	10.90'	50.09'	296.18'	306.88'
L	10.92'	50.14'	296.72'	307.46'

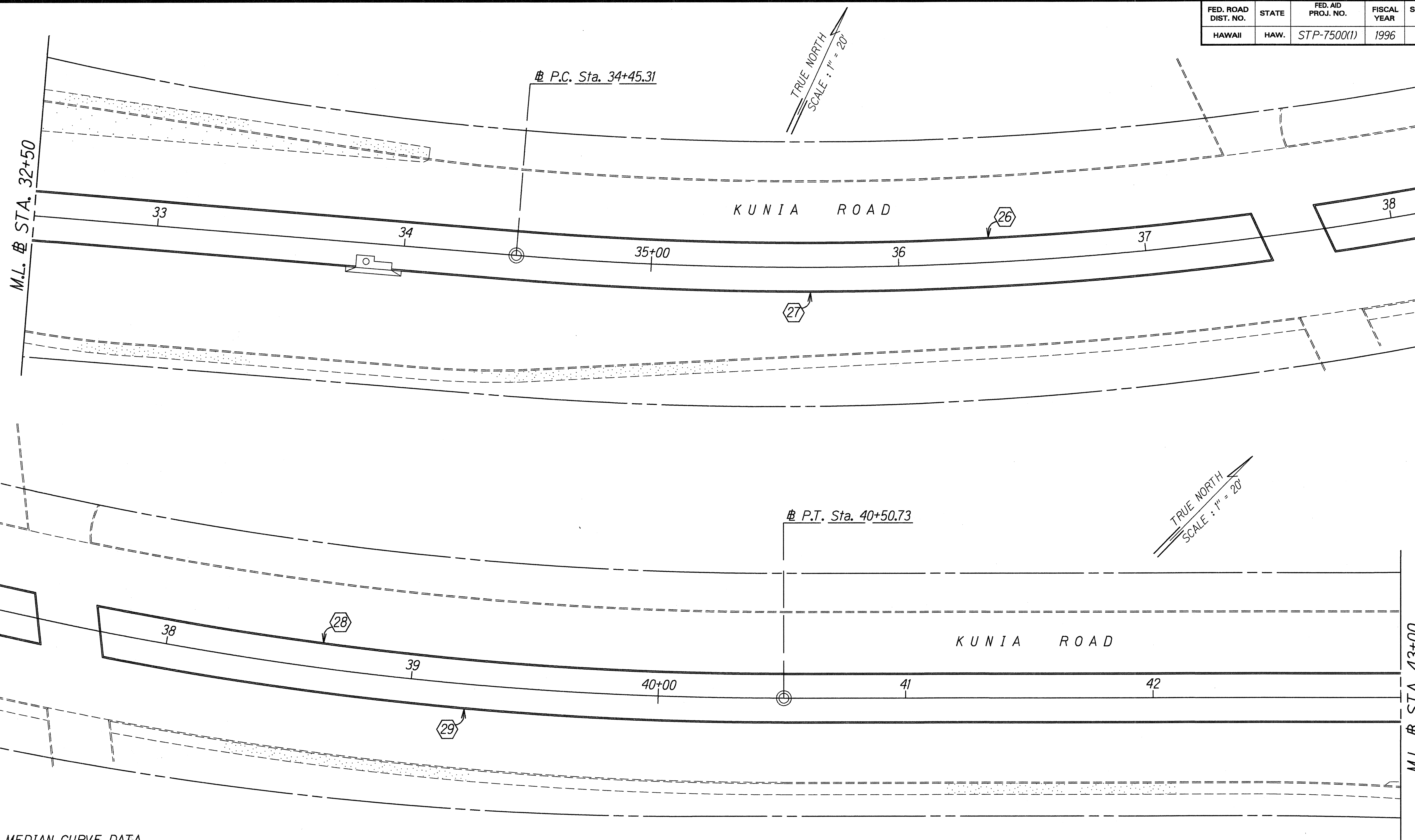
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
FOOTE GATE
INTERSECTION DETAIL PLAN
KUNIA ROAD RESURFACING
Kunia Gate to Wilikina Drive
Federal Aid Proj. No. STP-7500(1)
Scale: 1" = 20' Date: April, 1996
SHEET No. 3 OF 6 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	1-5-96
dd4/jason	TRACED BY	
Na2/kundme3	CHECKED BY	

P.T. Sta. 26+83.72

M.L. # STA. 32+50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7500(1)	1996	11	23



MEDIAN CURVE DATA

	26	27	28	29
Δ	11°57'08.08"	12°12'46.95"	11°14'59.79"	11°00'16.52"
R	1422.40'	1442.40'	1422.40'	1442.40'
T	148.90'	154.31'	140.09'	138.95'
C	296.18'	306.88'	278.84'	276.61'
L	296.72'	307.46'	279.29'	277.04'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	12-15-96
444, Jason	CHECKED BY	
N. J. J. J.	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KUNIA ROAD
MEDIAN DETAIL PLAN

KUNIA ROAD RESURFACING
Kunia Gate to Wilikina Drive
Federal Aid Proj. No. STP-7500(1)

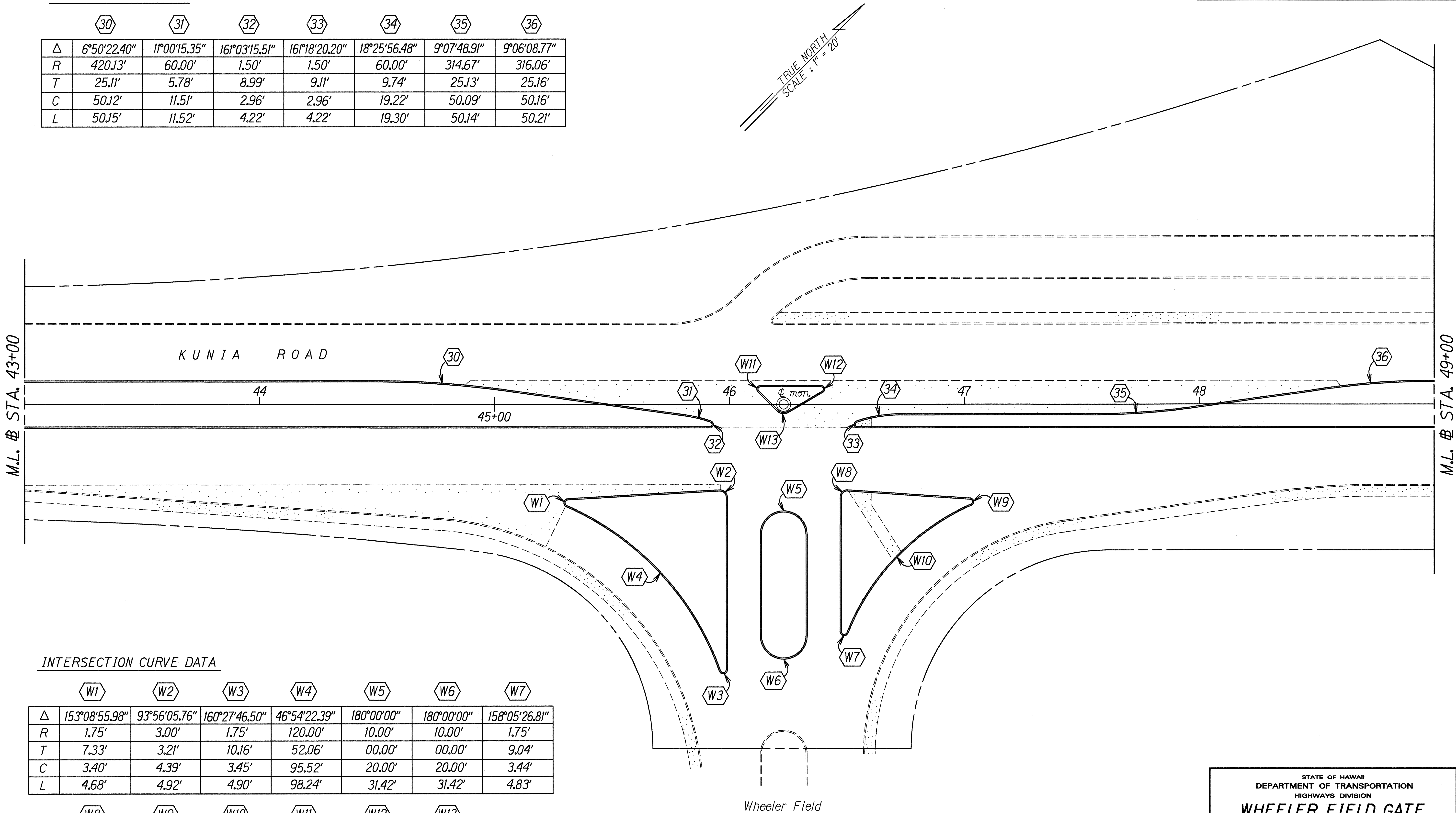
Scale: 1" = 20' Date: April, 1996

SHEET No. 4 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7500(1)	1996	12	23

MEDIAN CURVE DATA

	30	31	32	33	34	35	36
Δ	6°50'22.40"	1°00'15.35"	16°03'15.51"	16°18'20.20"	18°25'56.48"	9°07'48.91"	9°06'08.77"
R	420.13'	60.00'	1.50'	1.50'	60.00'	314.67'	316.06'
T	25.11'	5.78'	8.99'	9.11'	9.74'	25.13'	25.16'
C	50.12'	11.51'	2.96'	2.96'	19.22'	50.09'	50.16'
L	50.15'	11.52'	4.22'	4.22'	19.30'	50.14'	50.21'



INTERSECTION CURVE DATA

	W1	W2	W3	W4	W5	W6	W7
Δ	153°08'55.98"	93°56'05.76"	160°27'46.50"	46°54'22.39"	180°00'00"	180°00'00"	158°05'26.81"
R	1.75'	3.00'	1.75'	120.00'	10.00'	10.00'	1.75'
T	7.33'	3.21'	10.16'	52.06'	00.00'	00.00'	9.04'
C	3.40'	4.39'	3.45'	95.52'	20.00'	20.00'	3.44'
L	4.68'	4.92'	4.90'	98.24'	31.42'	31.42'	4.83'

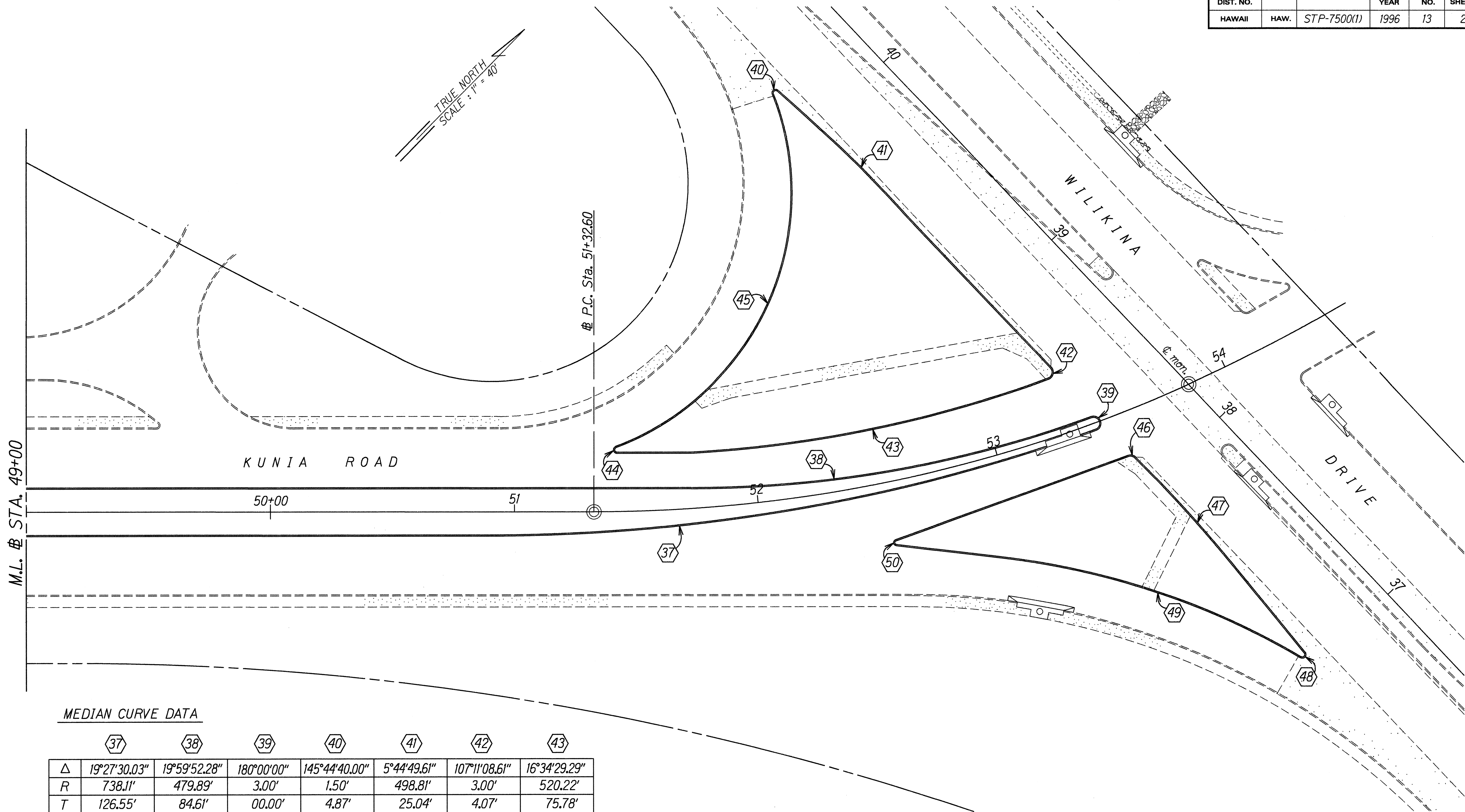
	W8	W9	W10	W11	W12	W13
Δ	93°55'21.88"	152°25'58.62"	44°26'42.36"	136°14'14.66"	150°01'06.22"	75°33'16.33"
R	3.00'	1.50'	100.00'	1.50'	1.50'	4.00'
T	3.21'	6.11'	40.86'	3.73'	5.60'	3.10'
C	4.39'	2.91'	75.64'	2.78'	2.90'	4.90'
L	4.92'	3.99'	77.57'	3.57'	3.93'	5.27'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WHEELER FIELD GATE
INTERSECTION DETAIL PLAN
KUNIA ROAD RESURFACING
Kunia Gate to Wilikina Drive
Federal Aid Proj. No. STP-7500(1)
Scale: 1" = 20'
Date: April, 1996

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	12-3-96
004, Jason	DESIGNED BY	
005, Jason	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-7500(1)	1996	13	23



MEDIAN CURVE DATA

	37	38	39	40	41	42	43
Δ	19°27'30.03"	19°59'52.28"	180°00'00"	145°44'40.00"	5°44'49.61"	107°11'08.61"	16°34'29.29"
R	738.11'	479.89'	3.00'	1.50'	498.81'	3.00'	520.22'
T	126.55'	84.61'	00.00'	4.87'	25.04'	4.07'	75.78'
C	249.47'	166.65'	6.00'	2.87'	50.01'	4.83'	149.97'
L	250.67'	167.50'	9.42'	3.82'	50.03'	5.61'	150.49'

	44	45	46	47	48	49	50
Δ	154°34'52.25"	91°21'17.48"	63°21'53.85"	4°33'59.89"	163°21'06.24"	23°13'56.07"	153°12'28.19"
R	1.50'	110.00'	3.00'	627.99'	1.50'	317.00'	1.25'
T	6.65'	112.63'	1.85'	25.04'	10.25'	65.16'	5.25'
C	2.93'	157.39'	3.15'	50.03'	2.97'	127.66'	2.43'
L	4.05'	175.39'	3.32'	50.05'	4.28'	128.54'	3.34'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	12-3-96
REVISIONS	TRACED BY	
QUANTITIES BY	CHECKED BY	
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

WILIKINA DRIVE

INTERSECTION DETAIL PLAN

KUNIA ROAD RESURFACING

Kunia Gate to Wilikina Drive

Federal Aid Proj. No. STP-7500(1)

Scale: 1" = 20'

Date: April, 1996

SHEET No. 6 OF 6 SHEETS