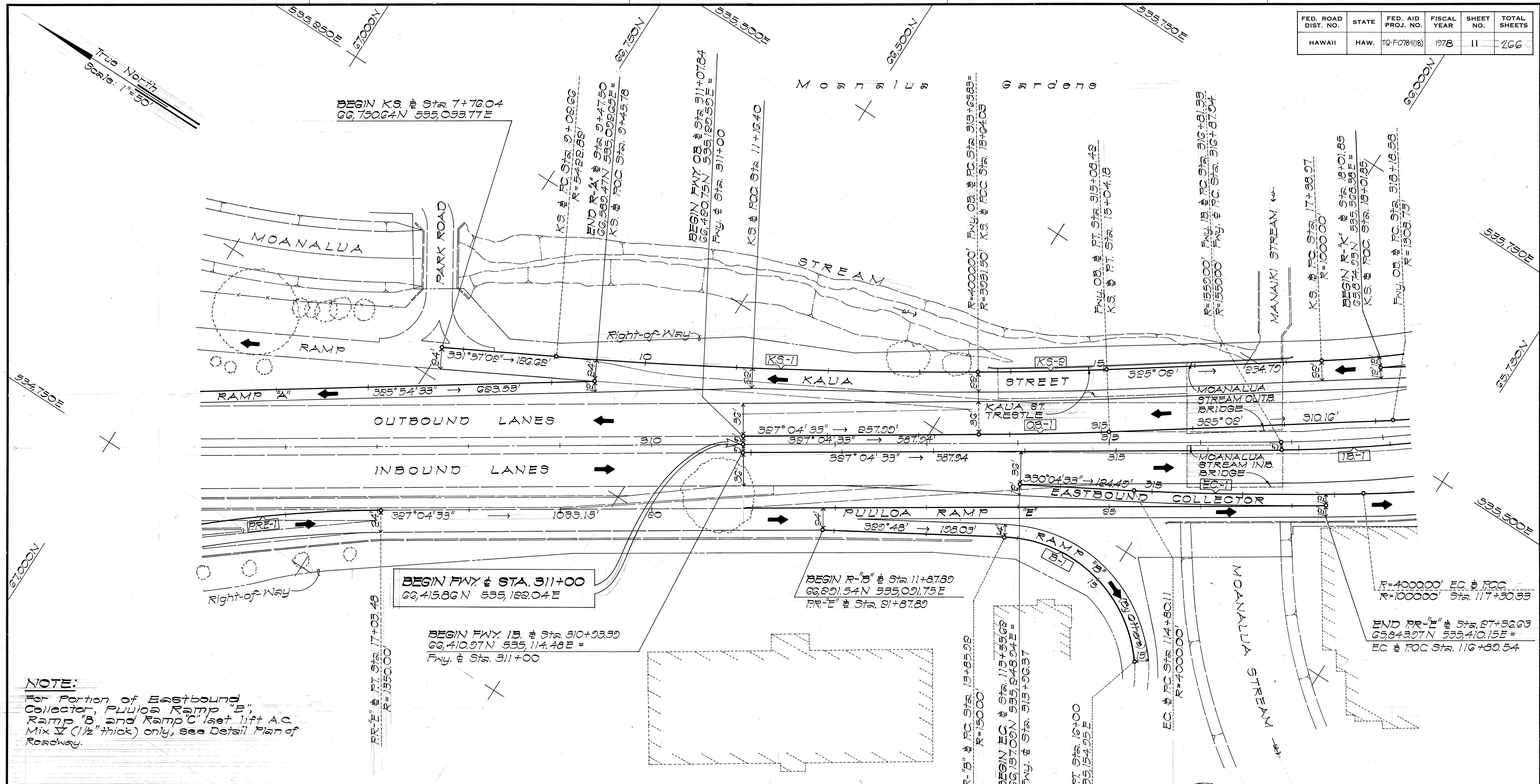


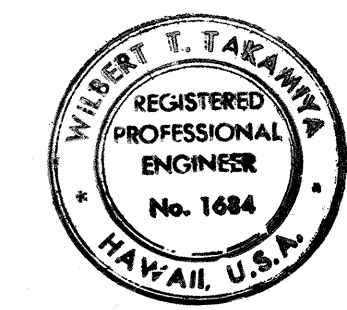
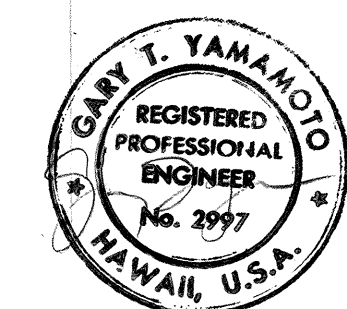
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	TQ-F078-1(18)	1978	11	266



PLAN
Scale: 1" = 50'

CURVE DATA

	OS-1	EC-1	KS-1	KS-2	IS-1
Δ	2° 02' 33"	3° 35' 03"	4° 52' 20"	2° 02' 33"	8° 41' 21"
Δ/2	1° 01' 16.5"	1° 47' 31.5"	2° 26' 10"	1° 01' 16.5"	4° 20' 40.5"
R	4000.00	4000.00	5422.82	3931.50	1500.00
T	71.30	125.15	230.83	70.08	122.67
Ch	142.59	250.18	461.83	140.14	196.37
Lc	142.59	250.28	461.37	140.15	214.03



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

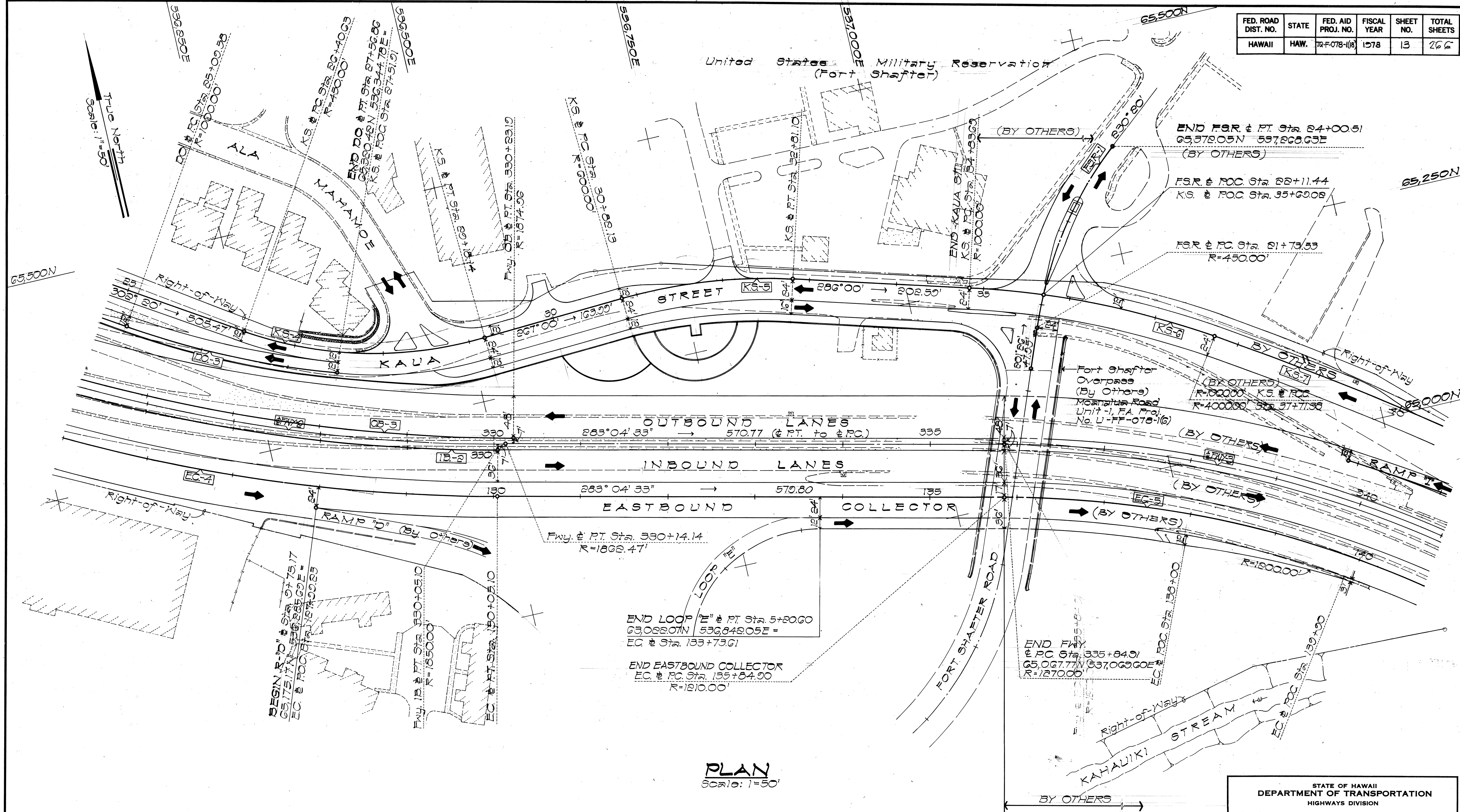
ALIGNMENT PLAN

MOANALUA ROAD
PULLOA I.C. TO MIDDLE ST. - UNIT 3A
F.A. Proj. No. TQ-F-078-1(18)

SCALE: AS SHOWN DATE: NOV. 15 1978

SHEET No. 2 OF 4 SHEETS

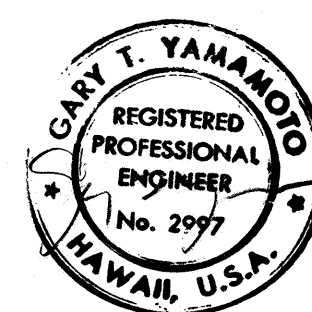
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	TR-F-078-1(18)	1978	13	266



PLAN
Scale: 1"=50'

CURVE DATA

	EC-2	EC-3	KS-4	KS-5	KS-6	KS-7	EC-8	FSR-1
Δ	29°55'35"	29°55'35"	35°20'00"	19°00'00"	16°29'00"	8°47'00"	14°10'05"	28°54'00"
Δ ₂	14°57'47.5"	14°57'47.5"	17°40'00"	9°30'00"	8°14'30"	4°23'30"	7°05'02.5"	14°27'00"
R	127000	121000	450.00	60000	100000	400000	100000	450.00
L	330.42	323.39	143.32	100.41	144.84	307.20	124.27	115.26
Ch	653.62	624.84	273.13	103.06	282.70	612.53	246.65	224.58
L ₀	663.34	632.00	277.51	103.07	287.69	613.10	247.28	226.26



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT PLAN

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. - UNIT 3A
F.A. Proj. No. TQ-F-078-1(18)

SCALE: AS SHOWN DATE: NOV. 15, 1978

SHEET No. 4 OF 4 SHEETS