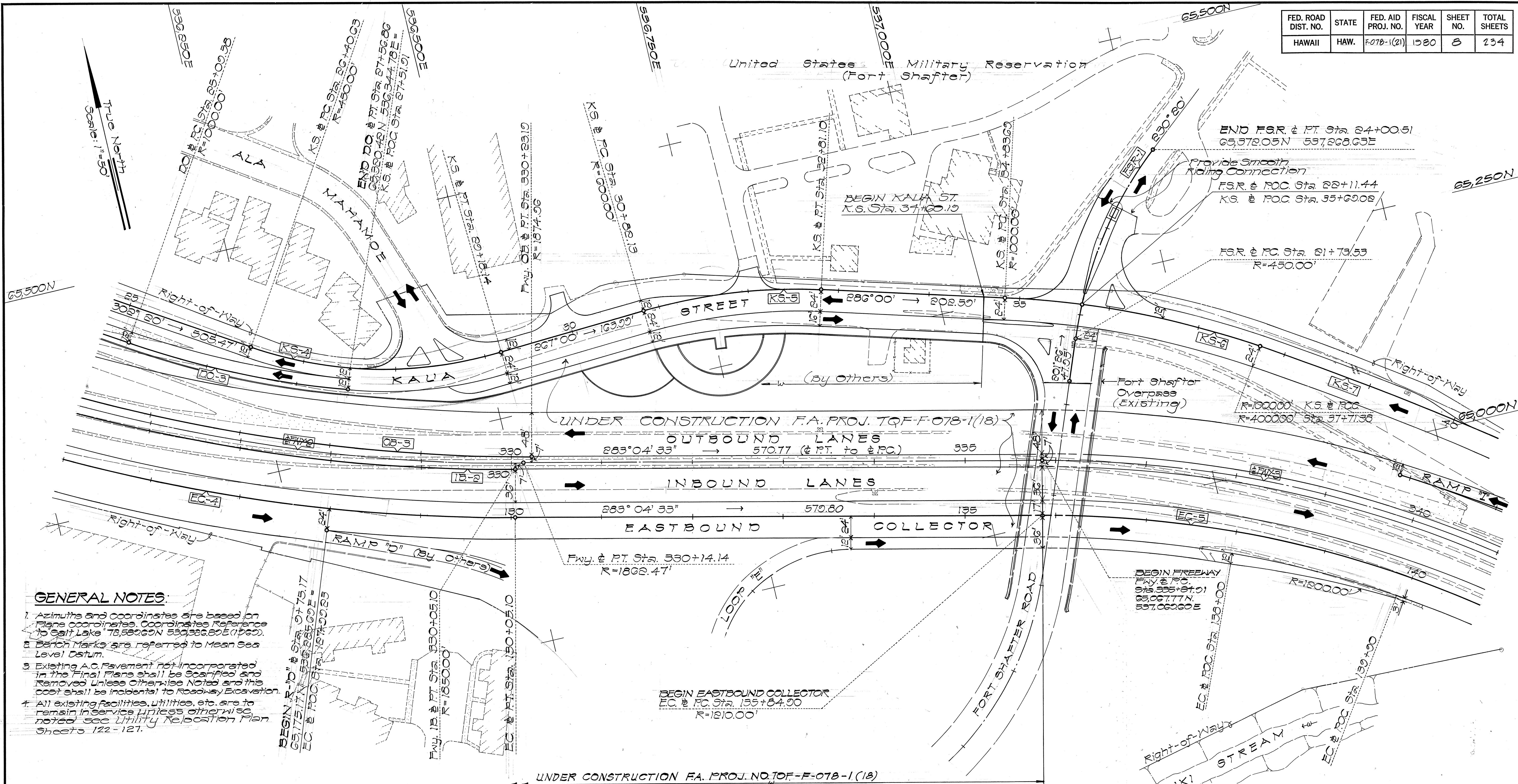


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(21)	1980	8	234



GENERAL NOTES:

1. Azimuths and coordinates are based on plane coordinates. Coordinates Reference to Salt Lake 78,582,629N 530,380,805E (1960).
2. Bench Marks are referred to Mean Sea Level Datum.
3. Existing A.C. Pavement not incorporated in the Final Plans shall be Scarified and Removed Unless Otherwise Noted and this cost shall be incidental to Roadway Excavation.
4. All existing facilities, utilities, etc. are to remain in service unless otherwise noted. See Utility Relocation Plan Sheets 122-127.

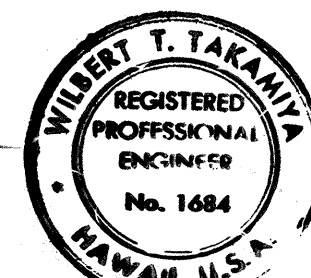
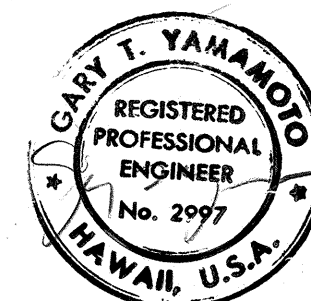
CURVE DATA

	EC-3	EC-5	KS-4	KS-5	KS-6	KS-7	DO-3	FSR-1
Δ	29°55'35"	29°55'35"	35°20'00"	19°00'00"	10°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	45000	60000	100000	400000	100000	45000
T	332.42	323.30	143.32	100.41	144.84	307.20	124.27	115.26
Ch	655.62	624.64	273.13	198.06	286.70	612.50	246.65	224.56
Lc	663.34	632.00	277.51	198.97	287.60	613.19	247.28	226.28

PLAN
Scale: 1"=50'

LEGEND

- Existing Road
- Existing Fence
- Existing Building
- Pavement Extension
- Direction of Travel



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

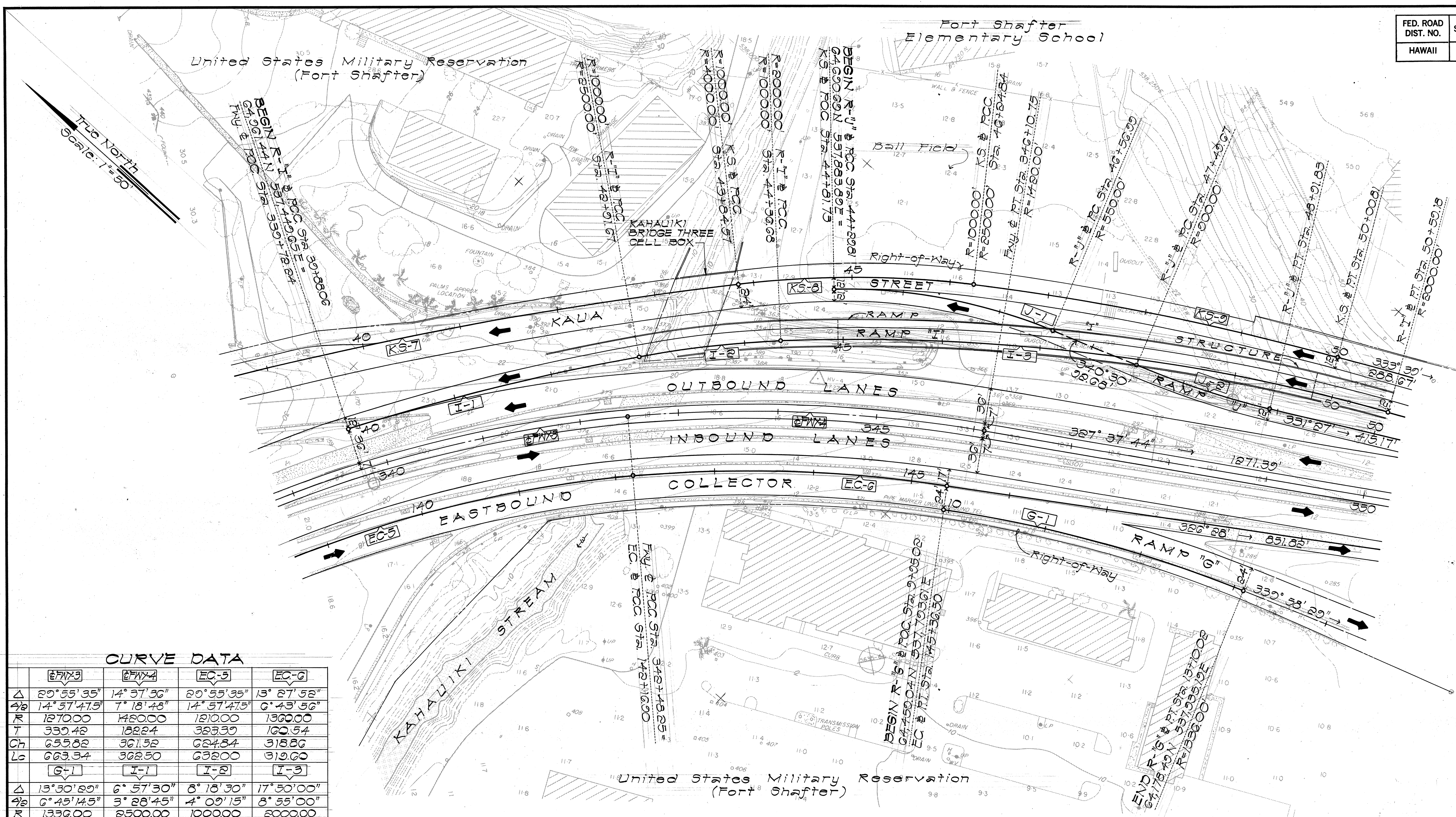
ALIGNMENT PLAN

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. - UNIT 3B
F.A. Proj. No. F-078-1(21)

SCALE: AS SHOWN DATE: AUG 1, 1979
SHEET NO. 1 OF 3 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	

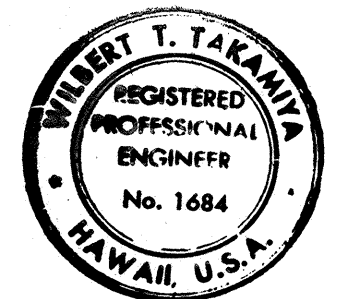
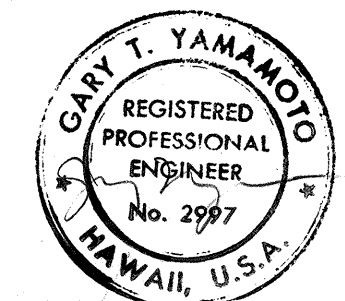
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(21)	1980	2	234



CURVE DATA

	EC-1	EC-2	EC-3	EC-4
Δ	20°55'35"	14°57'36"	20°55'35"	13°27'52"
AB	14°57'41.5"	7°18'48"	14°57'41.5"	0°43'56"
R	127000	148000	127000	130000
T	330.42	182.24	330.42	160.54
Ch	655.82	361.52	655.82	318.86
Lc	663.34	362.50	663.34	319.60
EC-1	EC-2	EC-3	EC-4	
Δ	13°30'29"	6°57'30"	8°18'30"	17°50'00"
AB	6°45'14.5"	3°28'45"	4°09'15"	8°55'00"
R	1336.00	2500.00	1000.00	2000.00
T	158.22	151.00	72.63	313.70
Ch	314.25	303.43	144.88	610.00
Lc	314.08	303.61	145.01	622.50
EC-1	EC-2	EC-3	EC-4	
Δ	23°40'00"	9°03'00"	8°47'00"	13°46'00"
AB	11°50'00"	4°31'30"	4°23'30"	6°53'00"
R	550.00	3000.00	4000.00	1000.00
T	115.24	71.23	307.20	120.72
Ch	225.57	142.01	612.50	239.70
Lc	227.18	142.16	613.10	240.87
EC-1	EC-2	EC-3	EC-4	
Δ	8°37'00"			
AB	4°18'30"			
R	250000			
T	186.34			
Ch	375.62			
Lc	375.27			

PLAN
Scale: 1" = 50'



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OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT PLAN

MOANALUA ROAD
PUULO A.I.C. TO MIDDLE ST. - UNIT 3B
P.A. Proj. No. F-078-1(21)

SCALE: AS SHOWN DATE: AUG. 1, 1979

SHEET NO. 2 OF 3 SHEETS

