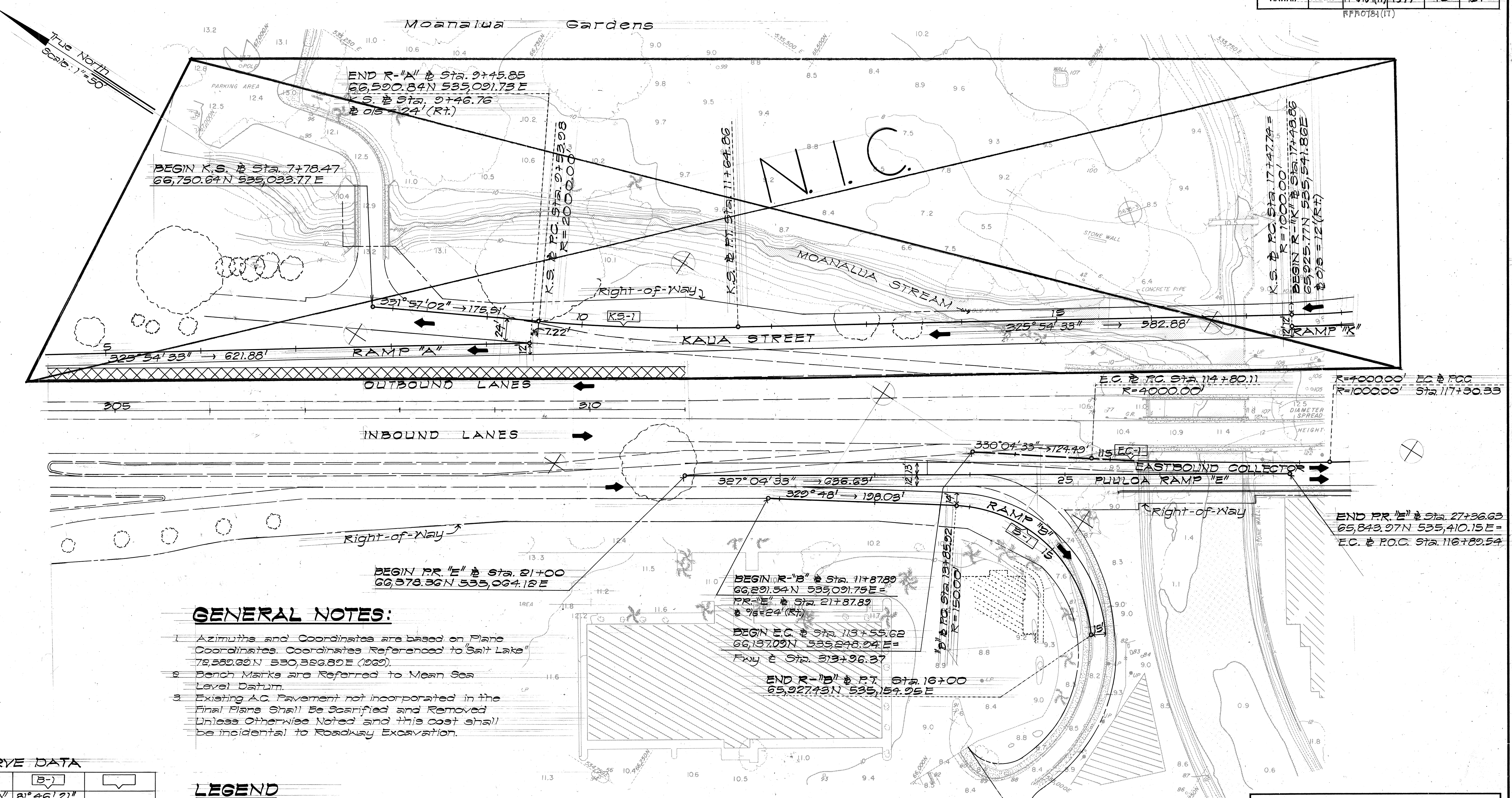


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FF-078-1(17)	1977	10	14

FF-078-1(17)



GENERAL NOTES:

1. Azimuths and Coordinates are based on Plane Coordinates. Coordinates Referenced to Salt Lake 72,282.02N 530,326.80E (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.

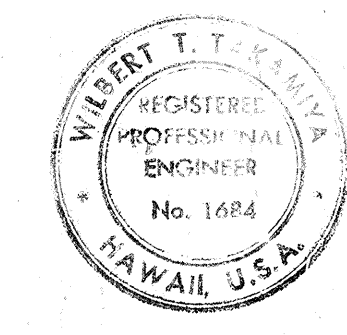
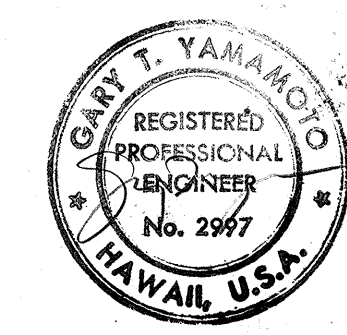
CURVE DATA

	EC-1	B-1	
Δ	3°35'03"	81°46'21"	
Δ/2	1°47'31.5"	40°53'10.5"	
R	4000.00	150.00	
T	125.15	129.87	
Ch	250.18	126.37	
Lg	250.22	214.08	
	K.S.-1		
Δ	6°02'23"		
Δ/2	3°01'11.5"		
R	1000.00		
T	105.64		
Ch	210.73		
Lg	210.88		

LEGEND

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

PLAN
Scale: 1" = 50'



Willard Z. Tolson
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

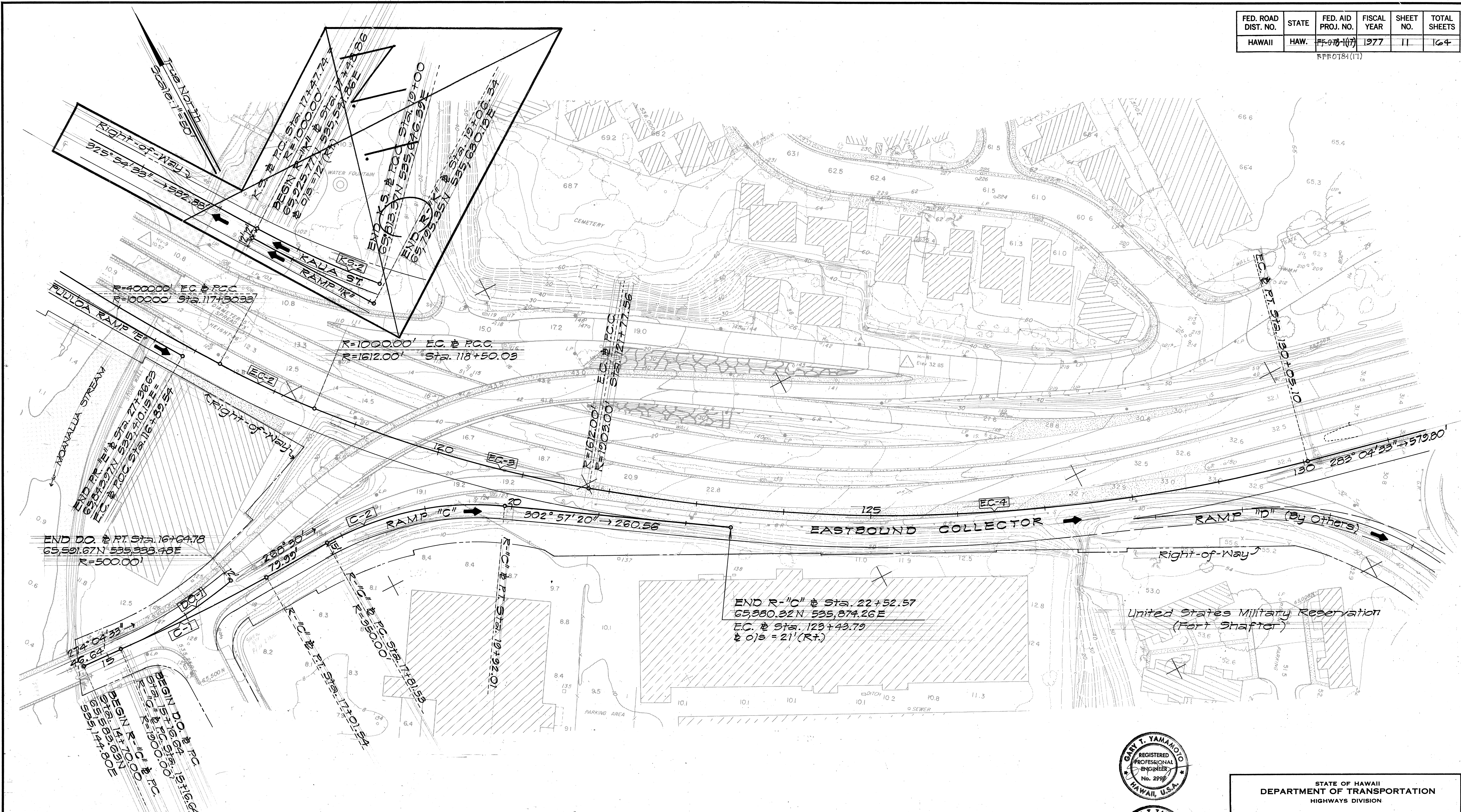
ALIGNMENT PLAN

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. UNIT 2
F.A. Proj. No. FF-078-1(17)
FF-078-1(17)

SCALE: AS SHOWN DATE: JAN. 14, 1977
SHEET NO. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FF-078-1(17)	1977	11	164

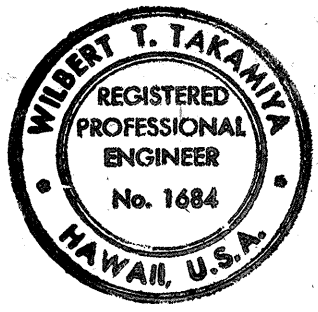
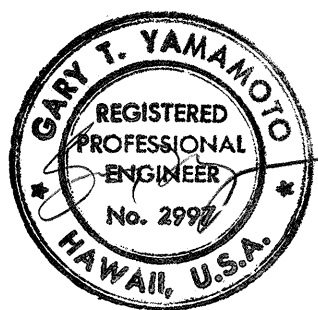
FFF078-1(17)



DATE	_____
SURVEY PLOTTED BY	_____
PLAN	_____
TRACED BY	_____
NOTE BOOK	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____

	EC-2	EC-3	EC-4	C-1	C-2	K3-2	DQ-1
Δ	6° 51' 30"	11° 38' 30"	24° 54' 57"	5° 34' 33"	34° 27' 20"	8° 42' 25.9"	16° 58' 33"
Δ ₂	3° 25' 45"	5° 49' 15"	12° 27' 28.5"	2° 47' 16.5"	17° 13' 40"	4° 24' 2.9"	8° 29' 16.5"
R	1000.00	1612.00	1903.00	1900.00	350.00	1000.00	500.00
T	59.92	164.33	420.42	92.52	108.93	76.28	74.62
Ch	119.63	326.97	821.04	184.83	207.32	152.11	147.60
Lc	119.70	327.53	827.54	184.90	210.48	152.26	148.14

PLAN
SCALE: 1"=50'



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HIGHWAYS DIVISION

ALIGNMENT PLAN
MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. UNIT 2
F.A. PROJ. NO. FF-078-1(17)
SCALE: AS SHOWN DATE: JAN. 14, 1977
SHEET NO. 2 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FF-078-1(17)	1977	12	164

FF-078-1(17)

True North
Scale: 1"=50'

United States Military Reservation
(Fort Shafter)

United States Military Reservation
(Fort Shafter)

United States Military Reservation
(Fort Shafter)

FORT SHAFTER ROAD
(By Others)

KAHALIKI
RIGHT-OF-WAY

STREAM

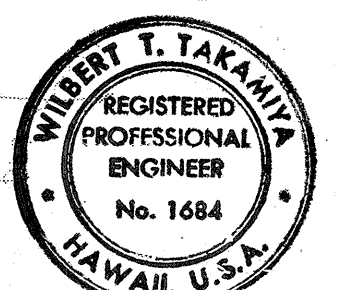
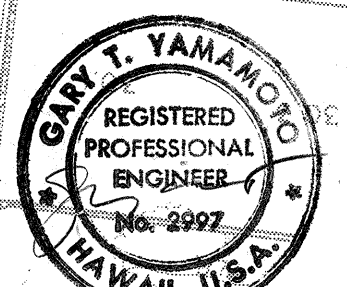
LOOP "E" (By Others)

END LOOP "E" & PT. Sta. 5+20.60
63,022.07N 536,842.05E
BEGIN PAYMENT EXTENSION
E.C. & Sta. 133+73.61
& 0/3 = 36' (Rt.)

E.C. & P.C. Sta. 135+84.90
R=1210.00'

E.C. & P.O.C. Sta. 138+00
R=1200.00'

E.C. & P.O.C. Sta. 139+20



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HIGHWAYS DIVISION

ALIGNMENT PLAN

MOANALUA ROAD
PUULOA I.C. TO MIDDLE ST. UNIT 2
F.A. Proj. No. FF-078-1(17)
F-FF-078-1(17)

SCALE: AS SHOWN DATE: JAN. 14, 1977

SHEET NO. 3 OF 4 SHEETS

CURVE DATA

	EC-5
Δ	22° 55' 35"
Δ/2	14° 57' 47.5"
R	1210.00
T	323.39
Ch	624.84
Lc	632.00

PLAN
Scale: 1"=50'

