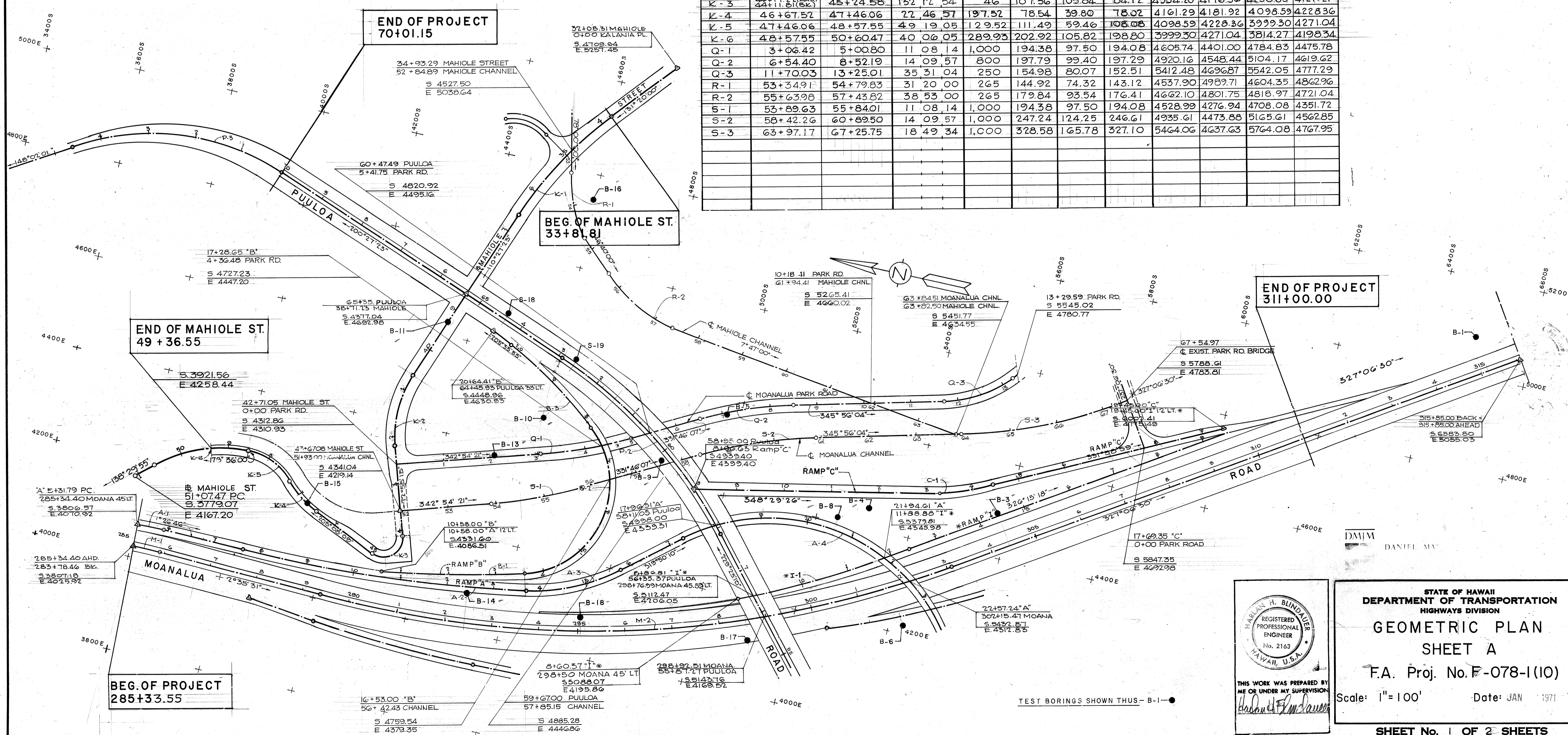


GENERAL NOTES  
 1. Azimuths and coordinates are referred to Salt Lake A  
 2. Bench Marks are referred to Mean Sea Level datum.  
 3. The boring data shown on these plans are for design purposes only, and are for the convenience of the Engineer in control of earthwork. The borings were carefully taken and are believed to be reliable. However, the Department assumes no responsibility whatsoever in respect to sufficiency or accuracy of the borings, or of the interpretation thereof, and will not either impliedly or expressly make any guarantee of any of the same. See Bridge plans for additional borings.

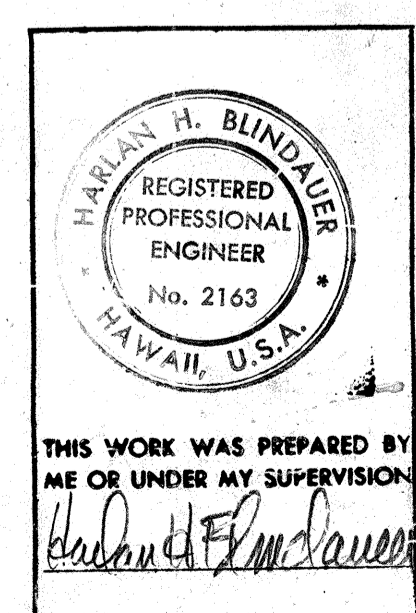
BASE LINE CURVE DATA

CURVE No	STATION		DELTA DEG. MIN. SEC.	RADIUS (Feet)	LENGTH (Feet)	TANGENT (Feet)	LONG CHORD (Feet)	P.C. COORD.		P.T. COORD.	
	P.C.	P.T.						SOUTH	EAST	SOUTH	EAST
A-2	7+56.40	13+64.30	11 36 36	3,000	607.90	305.00	606.86	4031.12	4067.00	4636.23	4113.13
A-3	13+64.30	15+73.74	30 00 00	400	209.44	107.18	207.05	4636.23	4113.13	4823.63	4201.17
A-4	17+22.15	25+28.20	115 27 29	400	806.05	633.45	676.43	4937.05	4296.89	5581.94	4092.76
B-1	10+58.00	13+57.79	5 43 32	3,000	299.78	150.02	299.66	4331.60	4086.51	4624.52	4149.70
B-7	13+57.78	17+73.62	125 23 54	190	415.84	368.11	337.67	4624.52	4149.70	4696.26	4478.66
B-5	17+73.62	20+17.41	13 58 04	1,000	243.78	122.50	243.18	4696.26	4479.66	4491.34	4610.62
C-1	13+22.94	14+67.00	16 30 27	500	144.06	72.53	143.56	5443.32	4502.42	5580.42	4550.96
A-1	5+31.79	5+91.41	3 22 06	1,014.16	59.62	29.82	59.61	3806.57	4070.92	3866.19	4071.16
*I-1	8+60.37	12+40.70	11 28 09	1900	380.33	190.80	379.69	5088.07	4195.86	5423.28	4374.17
M-1	285+33.55	285+92.37	3 22 12	1,000	58.82	29.42	58.81	3807.18	4025.92	3865.96	4024.99
M-2	289+41.99	303+04.7	35 29 01	2,200	1,362.47	703.88	1,340.80	4214.34	4009.22	5508.54	4359.63
P-2	57+88.43	62+93.93	28 57 47	1,000	505.50	258.27	500.14	5012.90	4372.30	4602.90	4608.72
P-3	70+01.15	74+58.63	52 25 22	500	457.48	246.15	441.68	3940.28	4855.89	3500.82	4811.60
K-1	33+81.81	36+73.31	20 52 37	800	291.50	147.38	289.89	4595.06	5127.17	4446.21	4878.42
K-2	40+79.65	42+27.05	37 32 08	225	147.40	76.46	144.78	4304.20	4497.70	4299.93	4352.99
K-3	44+17.27(AHD) 44+11.81(BM)	45+24.58	132 12 34	46	107.36	103.84	84.12	4354.20	4176.36	4290.69	4121.21
K-4	46+67.52	47+46.06	22 46 57	197.52	78.54	39.80	78.02	4161.29	4181.92	4098.59	4228.36
K-5	47+46.06	48+57.55	49 19 05	129.52	111.49	59.46	108.08	4098.59	4228.36	3999.30	4271.04
K-6	48+57.55	50+60.47	40 06 05	289.93	202.92	105.82	198.80	3999.30	4271.04	3814.27	4198.34
Q-1	3+06.42	5+00.80	11 08 14	1,000	194.38	97.50	194.08	4605.74	4401.00	4784.83	4475.78
Q-2	6+54.40	8+52.19	14 09 57	800	197.79	99.40	197.29	4920.16	4548.44	5104.17	4619.62
Q-3	11+70.03	13+25.01	35 31 04	250	154.98	80.07	152.51	5412.48	4696.87	5542.05	4777.29
R-1	53+34.91	54+79.83	31 20 00	265	144.92	74.32	143.12	4537.90	4989.71	4604.35	4862.96
R-2	55+63.98	57+43.82	38 53 00	265	179.84	93.54	176.41	4662.10	4801.75	4818.97	4721.04
S-1	53+89.63	55+84.01	11 08 14	1,000	194.38	97.50	194.08	4528.99	4276.94	4708.08	4351.72
S-2	58+42.26	60+89.50	14 09 57	1,000	247.24	124.25	246.61	4935.61	4473.88	5165.61	4562.85
S-3	63+97.17	67+25.75	18 49 34	1,000	328.58	165.78	327.10	5464.06	4637.63	5764.08	4767.95

NOTE  
 \* FUTURE CONSTRUCTION (RAMP '1')

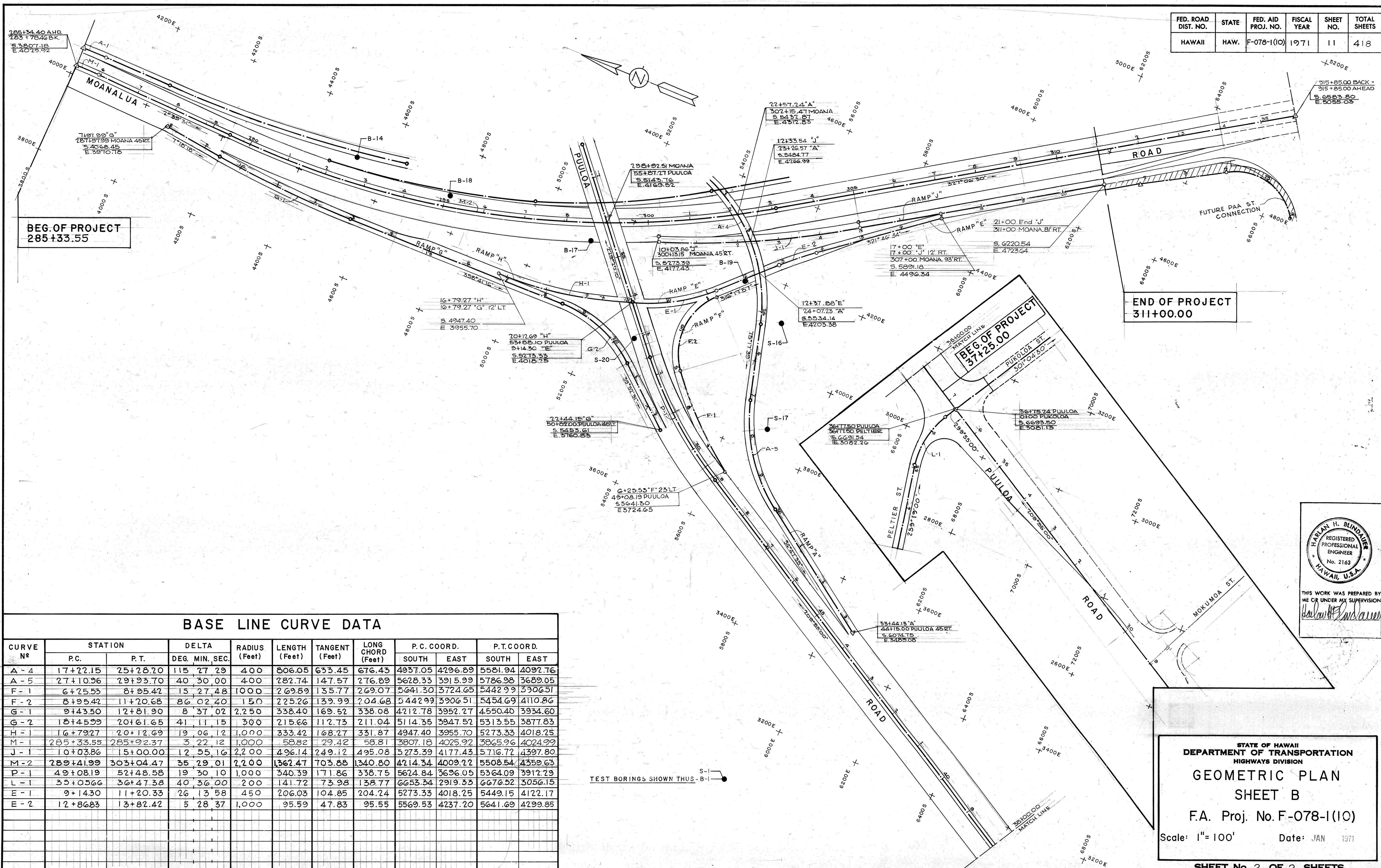


DATE \_\_\_\_\_  
 SURVEY PLOTTED BY \_\_\_\_\_  
 DRAWN BY \_\_\_\_\_  
 DESIGNED BY \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 QUANTITIES BY \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_



STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**GEOMETRIC PLAN**  
**SHEET A**  
 F.A. Proj. No. F-078-1(10)  
 Scale: 1" = 100' Date: JAN 1971  
 SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(10)	1971	11	418



BEG. OF PROJECT  
285+33.55

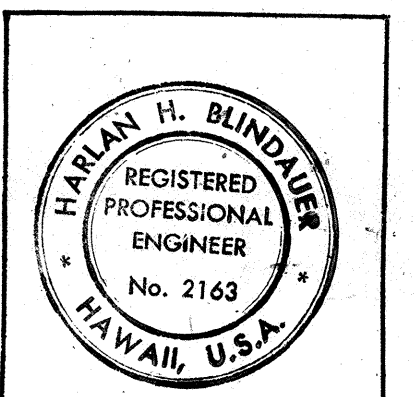
END OF PROJECT  
311+00.00

BEG. OF PROJECT  
37+25.00

BASE LINE CURVE DATA

CURVE No	STATION		DELTA DEG. MIN. SEC.	RADIUS (Feet)	LENGTH (Feet)	TANGENT (Feet)	LONG CHORD (Feet)	P.C. COORD.		P.T. COORD.	
	P.C.	P.T.						SOUTH	EAST	SOUTH	EAST
A-4	17+22.15	25+28.20	115 27 29	400	806.05	633.45	676.43	4937.05	4296.89	5581.94	4092.76
A-5	27+10.36	29+93.70	40 30 00	400	282.74	147.57	276.89	5628.33	3915.99	5786.98	3689.05
F-1	6+25.53	8+85.42	15 27 48	1000	269.89	135.77	269.07	5641.30	3724.65	5442.99	3906.51
F-2	8+95.42	11+20.68	86 02 40	150	225.26	139.99	204.68	5442.99	3906.51	5454.69	4110.86
G-1	9+43.50	12+81.90	8 37 02	2.250	338.40	169.52	338.08	4212.78	3952.27	4550.40	3934.60
G-2	18+45.99	20+61.65	41 11 15	300	215.66	112.73	211.04	5114.35	3947.52	5313.55	3877.83
H-1	16+79.27	20+12.69	19 06 12	1000	333.42	168.27	331.87	4947.40	3955.70	5273.33	4018.25
M-1	285+33.55	285+92.37	3 22 12	1000	58.82	29.42	58.81	3807.18	4025.92	3865.96	4024.99
M-2	10+03.86	15+00.00	12 55 16	2200	496.14	249.12	495.08	5273.39	4177.43	5716.72	4397.80
M-2	289+41.99	303+04.47	35 29 01	2200	1362.47	703.88	1340.80	4214.34	4009.22	5508.54	4359.63
P-1	49+08.19	52+48.58	19 30 10	1000	340.39	171.86	338.75	5624.84	3696.05	5364.09	3912.79
L-1	35+05.66	36+47.38	40 36 00	200	141.72	73.98	138.77	6653.34	2919.33	6676.52	3056.15
E-1	9+14.30	11+20.33	26 13 58	450	206.03	104.85	204.24	5273.33	4018.25	5449.15	4122.17
E-2	12+86.83	13+82.42	5 28 37	1000	95.59	47.83	95.55	5569.53	4237.20	5641.69	4299.85

TEST BORINGS SHOWN THUS - S-1



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**GEOMETRIC PLAN**  
SHEET B

F.A. Proj. No. F-078-1(10)

Scale: 1" = 100'      Date: JAN 1971

**SHEET No. 2 OF 2 SHEETS**

DATE: \_\_\_\_\_  
SURVEY PLOTTED BY: \_\_\_\_\_  
DRAWN BY: \_\_\_\_\_  
CHECKED BY: \_\_\_\_\_  
ORIGINAL PLAN NO. \_\_\_\_\_  
NOTE BOOK NO. \_\_\_\_\_