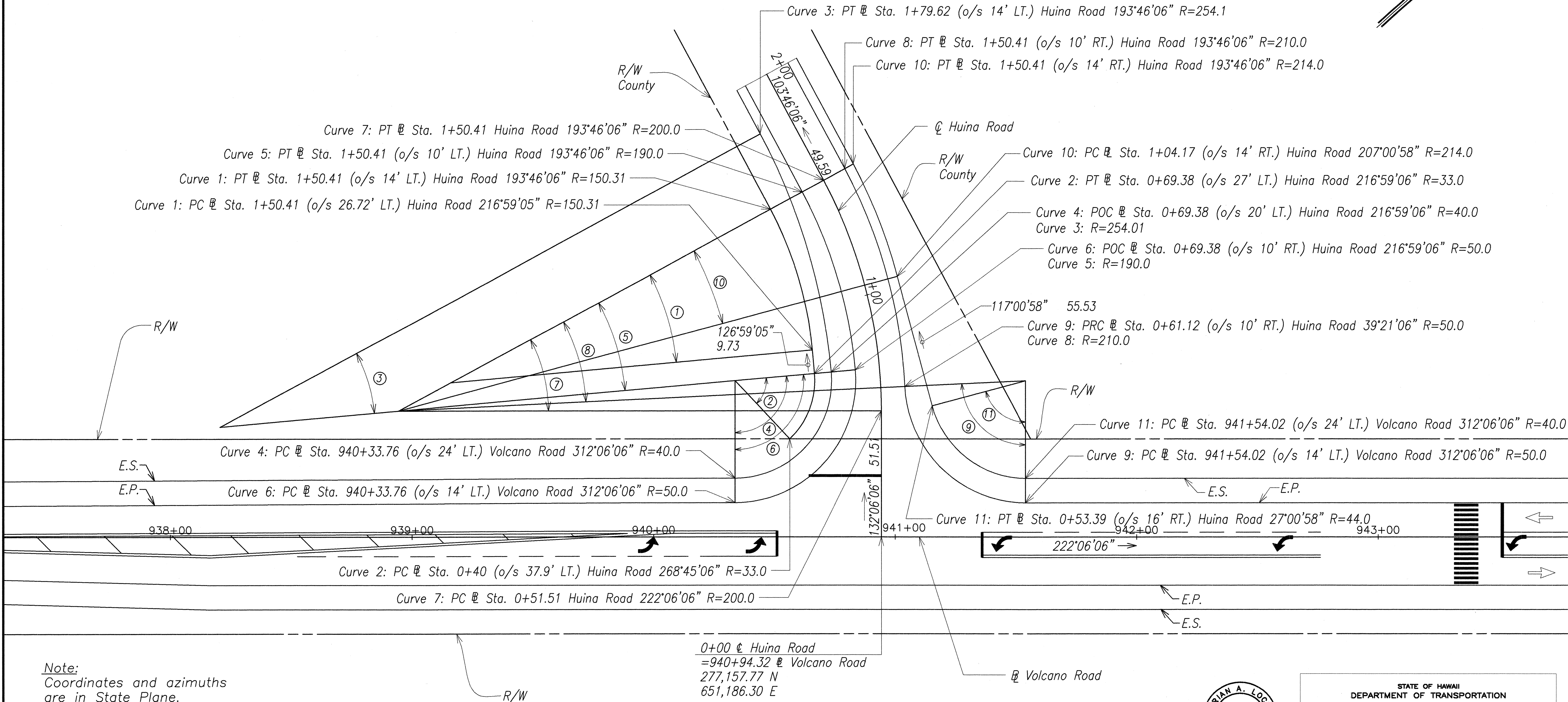
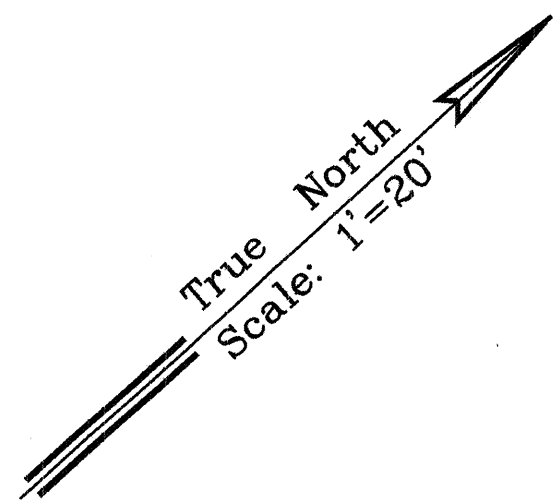


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11M-01-00	2002	11	65

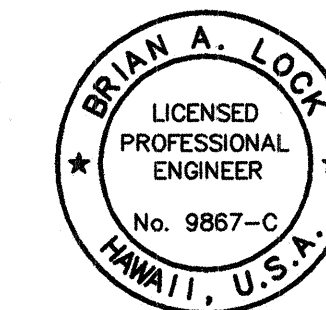
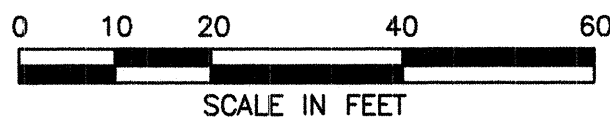
CURVE DATA											
CURVE	1	2	3	4	5	6	7	8	9	10	11
Δ	23°12'59"	51°46'31"	23°12'59"	95°07'01"	23°12'59"	95°07'01"	28°20'	25°34'50"	87°14'50"	13°14'52"	74°54'52"
$\frac{\Delta}{2}$	11°36'30"	25°53'16"	11°36'30"	47°33'31"	11°36'30"	47°33'33"	14°10'	12°47'25"	43°37'25"	6°37'26"	37°27'01"
R	150.31	33.0	254.09	40.00	190.0	50.00	200.00	210.0	50.0	214.0	40.0
T	30.88	16.02	52.20	43.74	39.03	54.68	50.48	47.67	47.65	24.85	30.65
C	60.49	28.82	102.26	59.04	76.46	73.80	97.90	92.98	68.99	49.37	48.65
L	60.91	29.82	102.96	66.40	76.99	83.01	98.9	93.76	76.14	49.48	52.30



Note:
Coordinates and azimuths
are in State Plane.
DZ=(-)0°08'54" Local
(Ola'a Trig. Sta.) to
State Plane.

VOLCANO ROAD @ STA. 940+94.32
AT @ STA. 0+00 HUINA ROAD

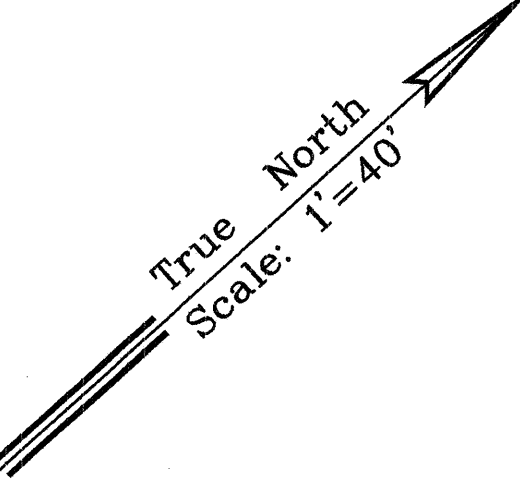
Scale: 1"=20'



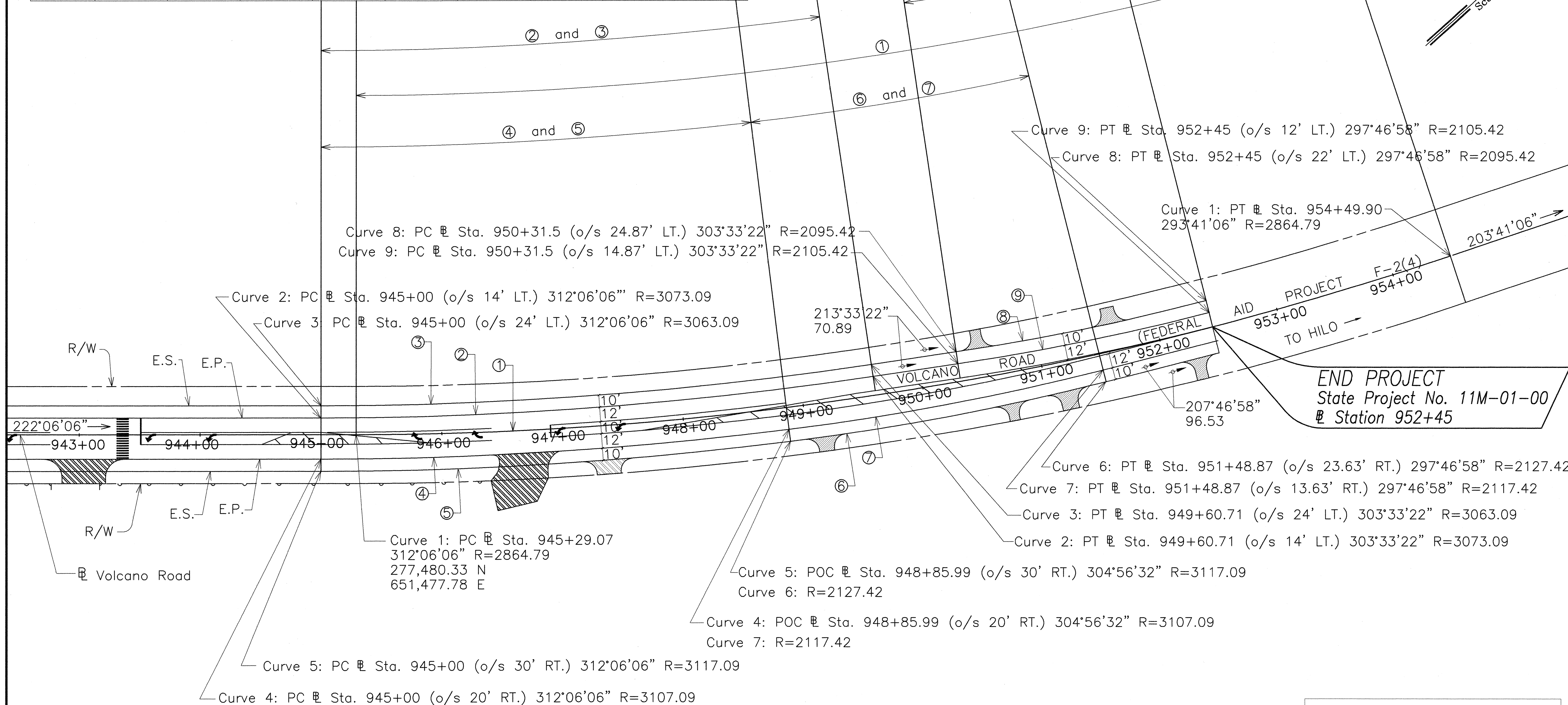
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
[Signature]
ENGINEERS-SURVEYORS HAWAII, INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
GEOMETRIC LAYOUT
HUINA ROAD
VOLCANO ROAD INTERSECTION
IMPROVEMENTS AT HUINA ROAD
State Project No. 11M-01-00
Scale: 1" = 20' Date: November 2001
SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11M-01-00	2002	12	65

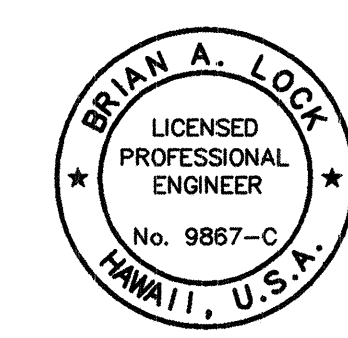


CURVE DATA									
CURVE	1	2	3	4	5	6	7	8	9
Δ	18°25'	8°32'44"	8°32'44"	7°09'34"	7°09'34"	7°09'34"	7°09'34"	5°46'24"	5°46'24"
$\frac{1}{2}$	9°12'30"	4°16'22"	4°16'22"	3°34'47"	3°34'47"	3°34'47"	3°34'47"	2°53'12"	2°53'12"
R	2864.79	3073.09	3063.09	3107.09	3117.09	2127.42	2117.42	2095.42	2105.42
T	464.42	229.60	228.85	194.38	195.00	133.09	132.46	105.66	106.16
C	916.87	457.92	456.43	388.00	389.25	265.66	264.41	211.05	212.06
L	920.83	458.35	456.85	388.25	389.50	265.83	264.58	211.14	212.15



Note:
Coordinates and azimuths
are in State Plane.
DZ=(-)0°08'54" Local
(Ola a Trig. Sta.) to
State Plane.

GEOMETRIC LAYOUT
VOLCANO ROAD @ STA. 945+00 TO STA. 952+45
Scale: 1" = 40'



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
ENGINEERS SURVEYORS HAWAII, INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GEOMETRIC LAYOUT
VOLCANO ROAD

VOLCANO ROAD INTERSECTION
IMPROVEMENTS AT HUINA ROAD
State Project No. 11M-01-00

Scale: 1" = 40' Date: November 2001
SHEET No. 1 OF 1 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
REVISIONS	
NO.	