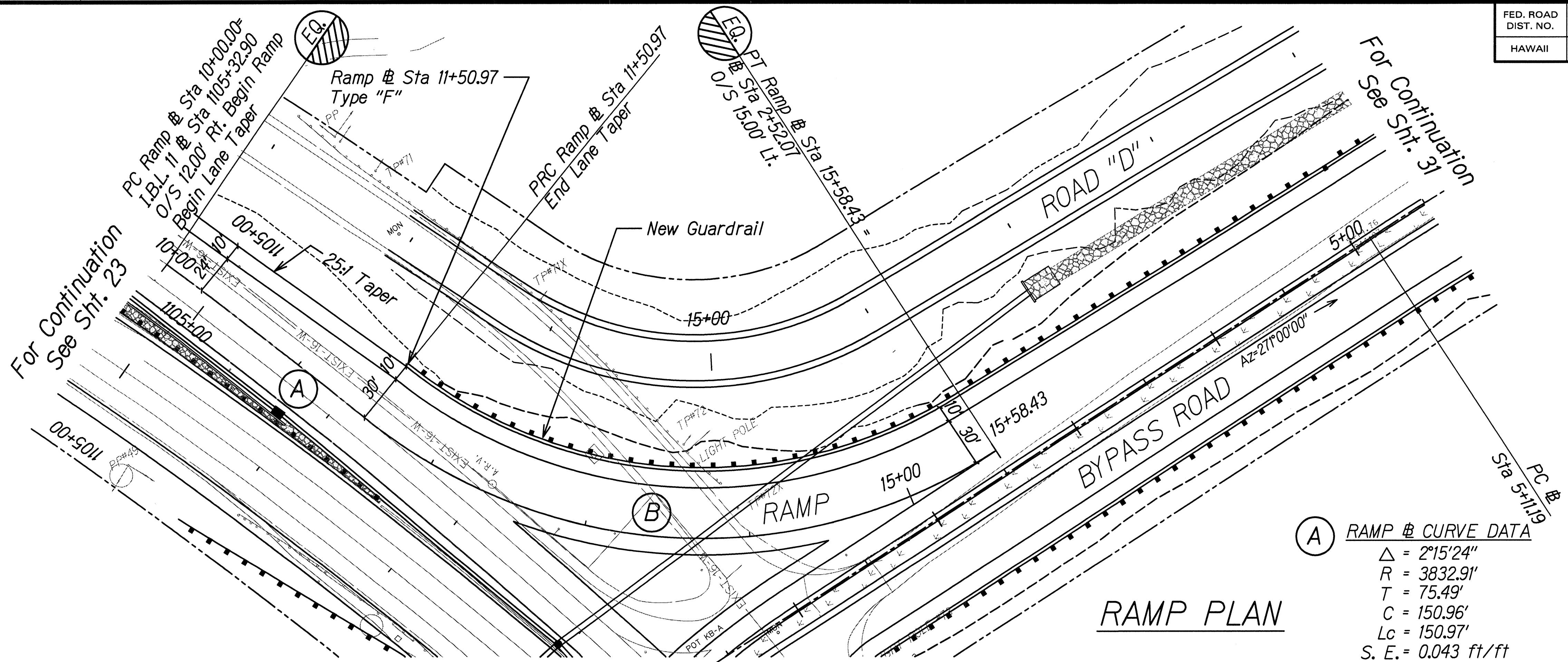
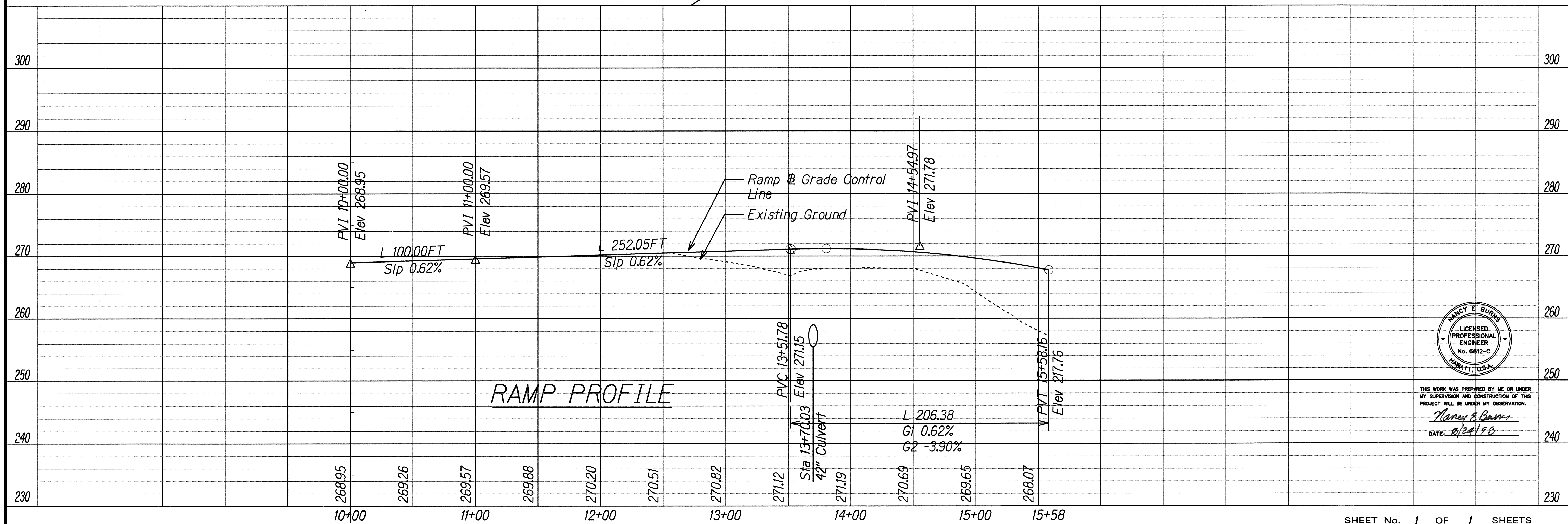


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	28	210



(A) RAMP @ CURVE DATA	(B) RAMP @ CURVE DATA
$\Delta = 2^{\circ}15'24''$	$\Delta = 72^{\circ}03'16''$
$R = 3832.91'$	$R = 324.00'$
$T = 75.49'$	$T = 235.63'$
$C = 150.96'$	$C = 381.13'$
$L_c = 150.97'$	$L_c = 407.46'$
$S. E. = 0.043 \text{ ft/ft}$	$S. E. = 0.020 \text{ ft/ft}$

RAMP PLAN



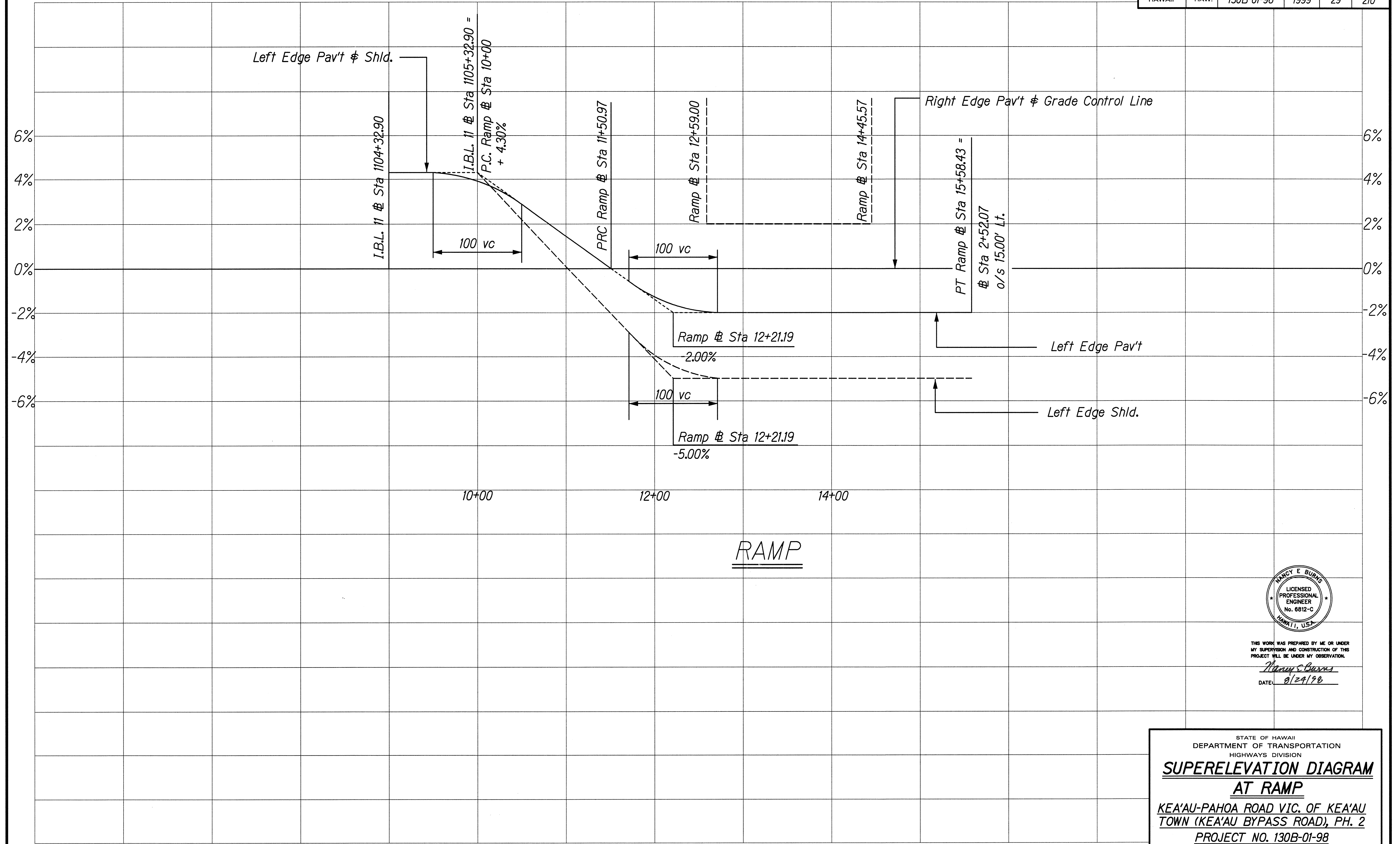
RAMP PROFILE

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

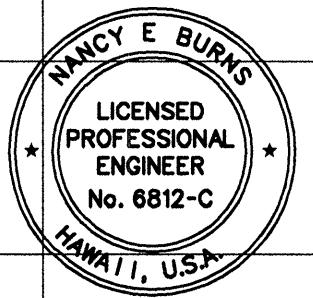


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.
Nancy E. Burns
 DATE: 8/24/98

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	29	210



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
Supervising	QUANTITIES BY	
	CHECKED BY	



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Nancy E. Burns

DATE: 8/24/98

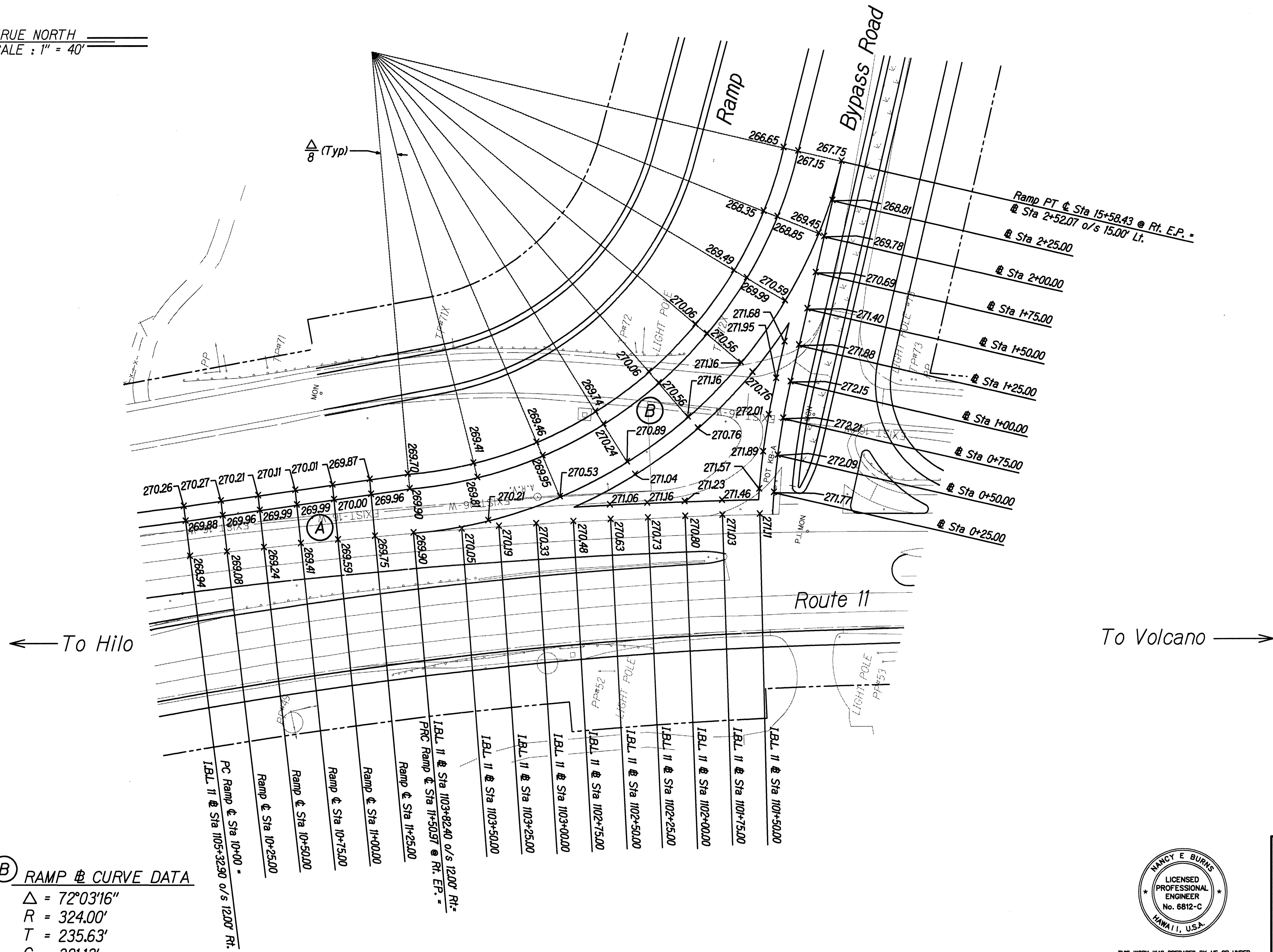
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SUPERELEVATION DIAGRAM
AT RAMP
KEA'AU-PAHOA ROAD VIC. OF KEA'AU TOWN (KEA'AU BYPASS ROAD), PH. 2
PROJECT NO. 130B-01-98
Scale: HORIZ. 1" = 50'
VERT. 1" = 2%
Date: August, 1998

SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	30	210

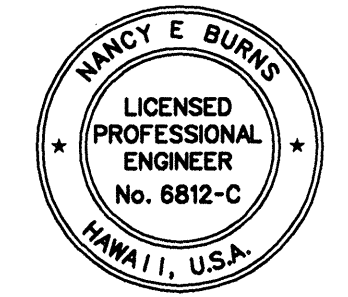
TRUE NORTH
SCALE : 1" = 40'



A RAMP & CURVE DATA
 $\Delta = 2^\circ 15' 24''$
 $R = 3832.91'$
 $T = 75.49'$
 $C = 150.96'$
 $Lc = 150.97'$

B RAMP & CURVE DATA
 $\Delta = 72^\circ 03' 16''$
 $R = 324.00'$
 $T = 235.63'$
 $C = 381.13'$
 $Lc = 407.46'$

DATE	DESIGNED BY	CHECKED BY
	NOTED BY	
	TRACED BY	
	QUANTITIES BY	
	ORIGINAL PLAN	
	6/15/98	



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Nancy E. Burns
DATE: 8/29/98

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**PAV'T GRADE PLAN
RAMP INTERSECTION**
KEA'AU-PAHOA ROAD VIC. OF KEA'AU
TOWN (KEA'AU BYPASS ROAD), PH. 2
PROJECT NO. 130B-01-98
Scale: 1"=40' Date: August, 1998
SHEET No. 2 OF 6 SHEETS