

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-92	1997	31	115

TRUE NORTH
SCALE: 1" = 20'

ROAD "B" CURVE DATA

$\Delta = 60^{\circ}10'23"$
 $R = 600.0'$
 $T = 347.62'$
 $C = 601.57'$
 $Lc = 630.13'$
 $SE = 0.028 \text{ ft/ft}$

(A) E.P. CURVE DATA

$\Delta = 84^{\circ}41'19"$
 $R = 50.0'$
 $T = 45.57'$
 $C = 67.36'$
 $Lc = 73.90'$

(B) E.P. CURVE DATA

$\Delta = 84^{\circ}33'45"$
 $R = 50.0'$
 $T = 45.57'$
 $C = 67.28'$
 $Lc = 73.79'$

(C) E.P. CURVE DATA

$\Delta = 61^{\circ}37'49"$
 $R = 62.0'$
 $T = 36.98'$
 $C = 63.52'$
 $Lc = 66.69'$

(D) E.P. CURVE DATA

$\Delta = 61^{\circ}37'49"$
 $R = 38.0'$
 $T = 22.67'$
 $C = 38.93'$
 $Lc = 40.87'$

ROAD "A" CURVE DATA

$\Delta = 61^{\circ}37'51"$
 $R = 50.0'$
 $T = 29.82'$
 $C = 51.23'$
 $Lc = 53.78'$

ORIGINAL PLAN	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
DATE	



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Nancy E. Burns
DATE: 5/22/97

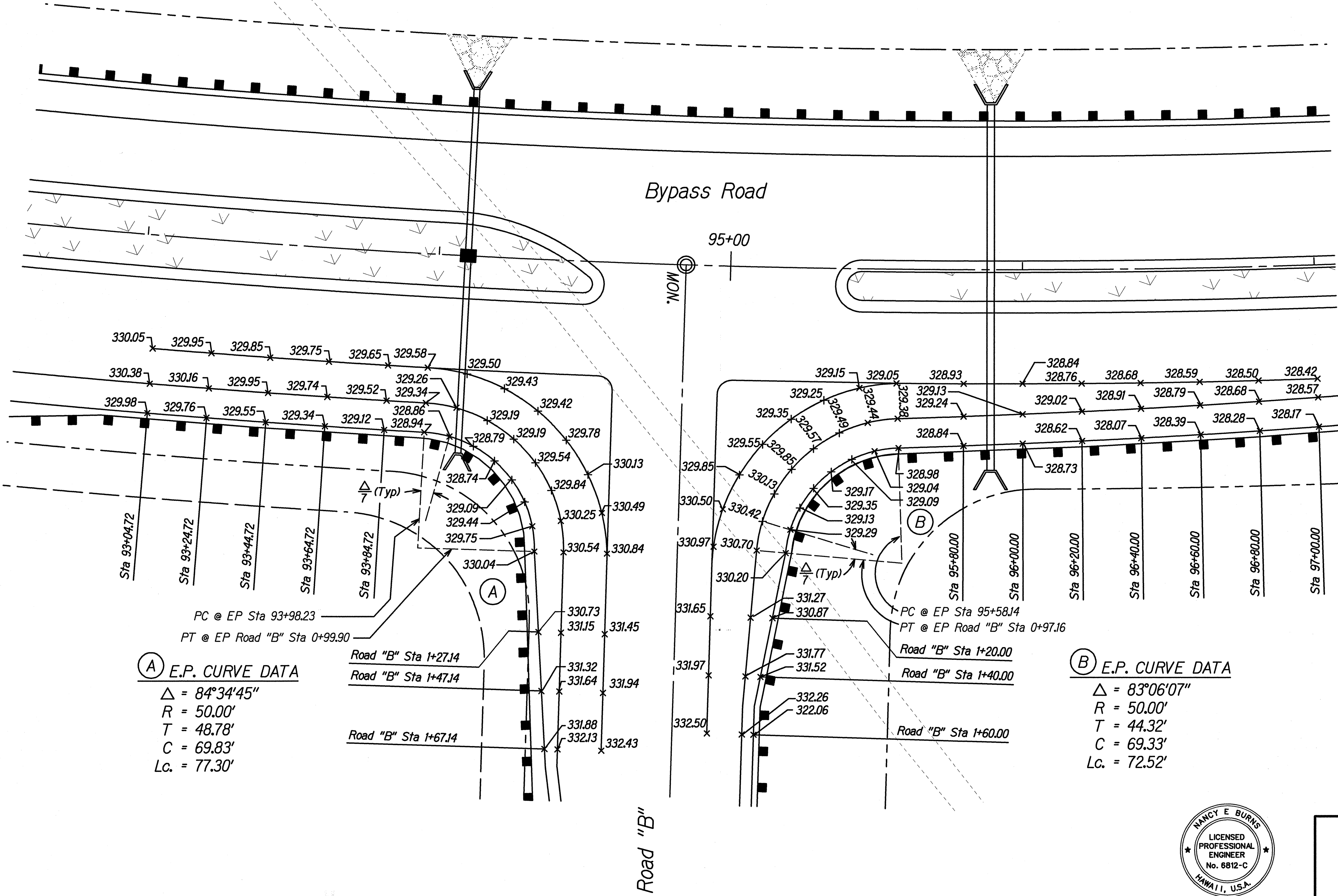
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAV'T GRADE PLAN
ROAD "A" INTERSECTION
KEA'AU-PAHOA ROAD VICINITY OF
KEA'AU TOWN (KEA'AU BYPASS ROAD)
PROJECT NO. 130B-01-92, PHASE 1
Scale: 1"=20'

Date: May, 1997

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-92	1997	32	115

TRUE NORTH
SCALE : 1" = 20'



(A) E.P. CURVE DATA
 $\Delta = 84^{\circ}34'45''$
 $R = 50.00'$
 $T = 48.78'$
 $C = 69.83'$
 $Lc = 77.30'$

(B) E.P. CURVE DATA
 $\Delta = 83^{\circ}06'07''$
 $R = 50.00'$
 $T = 44.32'$
 $C = 69.33'$
 $Lc = 72.52'$

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
NO. 960502/05A	_____



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Nancy E. Burns
DATE: 5/22/97

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAV'T GRADE PLAN
ROAD "B" INTERSECTION
KEA'AU-PAHOA ROAD VICINITY OF
KEA'AU TOWN (KEA'AU BYPASS ROAD)
PROJECT NO. 130B-01-92, PHASE 1
Scale: 1"=20'

Date: May, 1997
SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-92	1997	33	115

A	B	C	D	E
E.P. CURVE DATA	E.P. CURVE DATA	E.P. CURVE DATA	E.P. CURVE DATA	CURVE DATA
$\Delta = 32^{\circ}23'01''$	$\Delta = 147^{\circ}59'42''$	$\Delta = 33^{\circ}47'21''$	$\Delta = 146^{\circ}40'38''$	$\Delta = 24^{\circ}00'00''$
$R = 75.0'$	$R = 10.0'$	$R = 75.0'$	$R = 3.0'$	$R = 5,000'$
$T = 21.78'$	$T = 34.87'$	$T = 22.78'$	$T = 10.02'$	$T = 1062.78'$
$C = 41.83'$	$C = 19.23'$	$C = 43.59'$	$C = 5.75'$	$C = 2079.12'$
$Lc. = 42.39'$	$Lc. = 25.83'$	$Lc. = 44.23'$	$Lc. = 7.68'$	$Lc. = 2094.40'$
				$S.E. = 0.0200 \text{ ft/ft}$

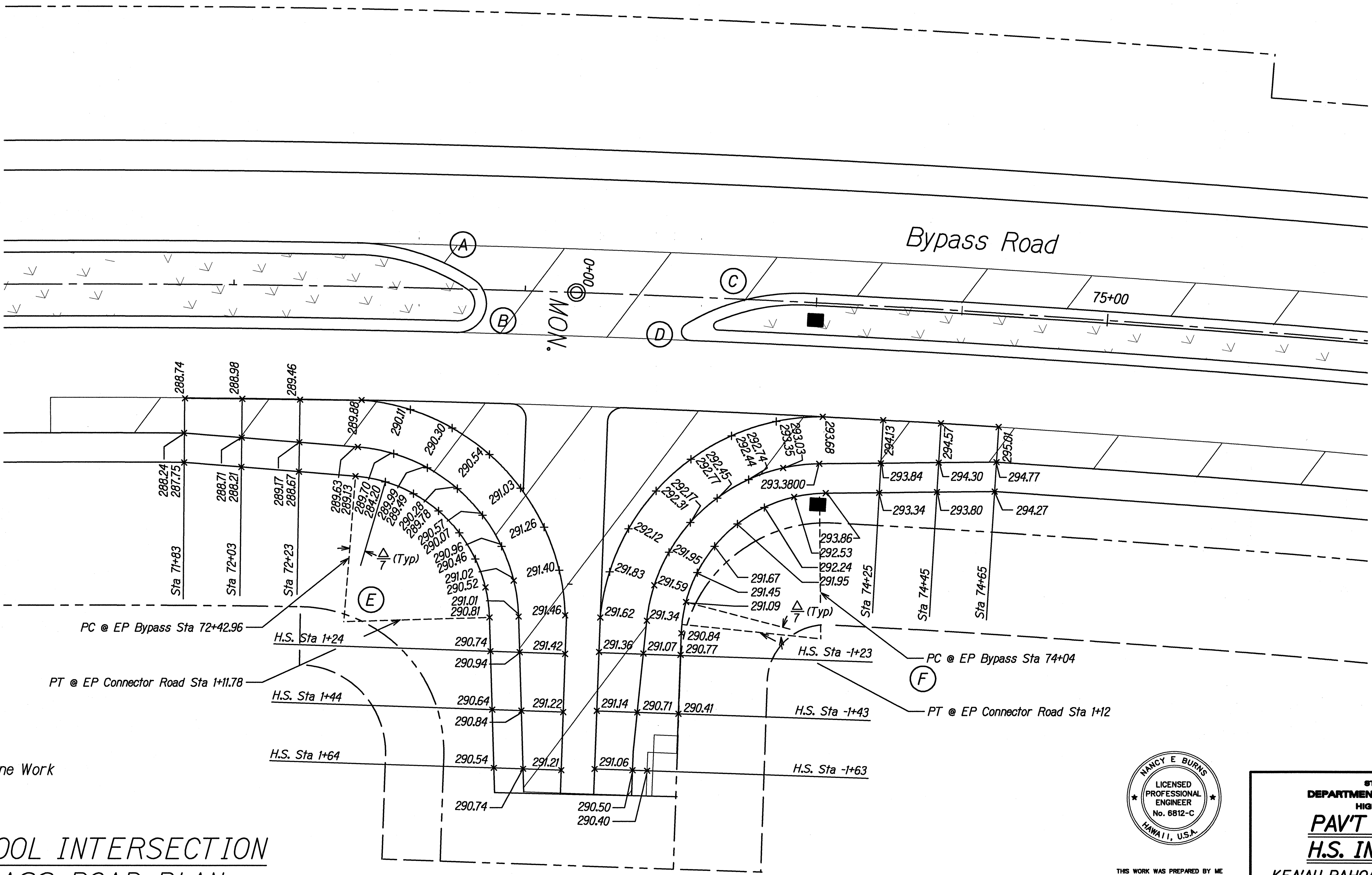
TRUE NORTH
SCALE : 1" = 20'

E
E.P. CURVE DATA
$\Delta = 83^{\circ}31'40''$
$R = 60.0'$
$T = 53.58'$
$C = 79.93'$
$Lc. = 87.47'$

F
E.P. CURVE DATA
$\Delta = 83^{\circ}39'55''$
$R = 60.0'$
$T = 53.71'$
$C = 80.03'$
$Lc. = 87.61'$

Additional Auxilliary Lane Work

HIGH SCHOOL INTERSECTION AT BYPASS ROAD PLAN



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DESIGNED BY		
CHECKED BY		
NO. 50/500326		



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OR UNDER MY SUPERVISION.
Nancy E. Burns
DATE: 5/22/97

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAV'T GRADE PLAN
H.S. INTERSECTION

KEA'AU-PAHOA ROAD VICINITY OF
KEA'AU TOWN (KEA'AU BYPASS ROAD)

PROJECT NO. 130B-01-92, PHASE 1

Scale: 1"=20' Date: May, 1997

SHEET No. 3 OF 3 SHEETS