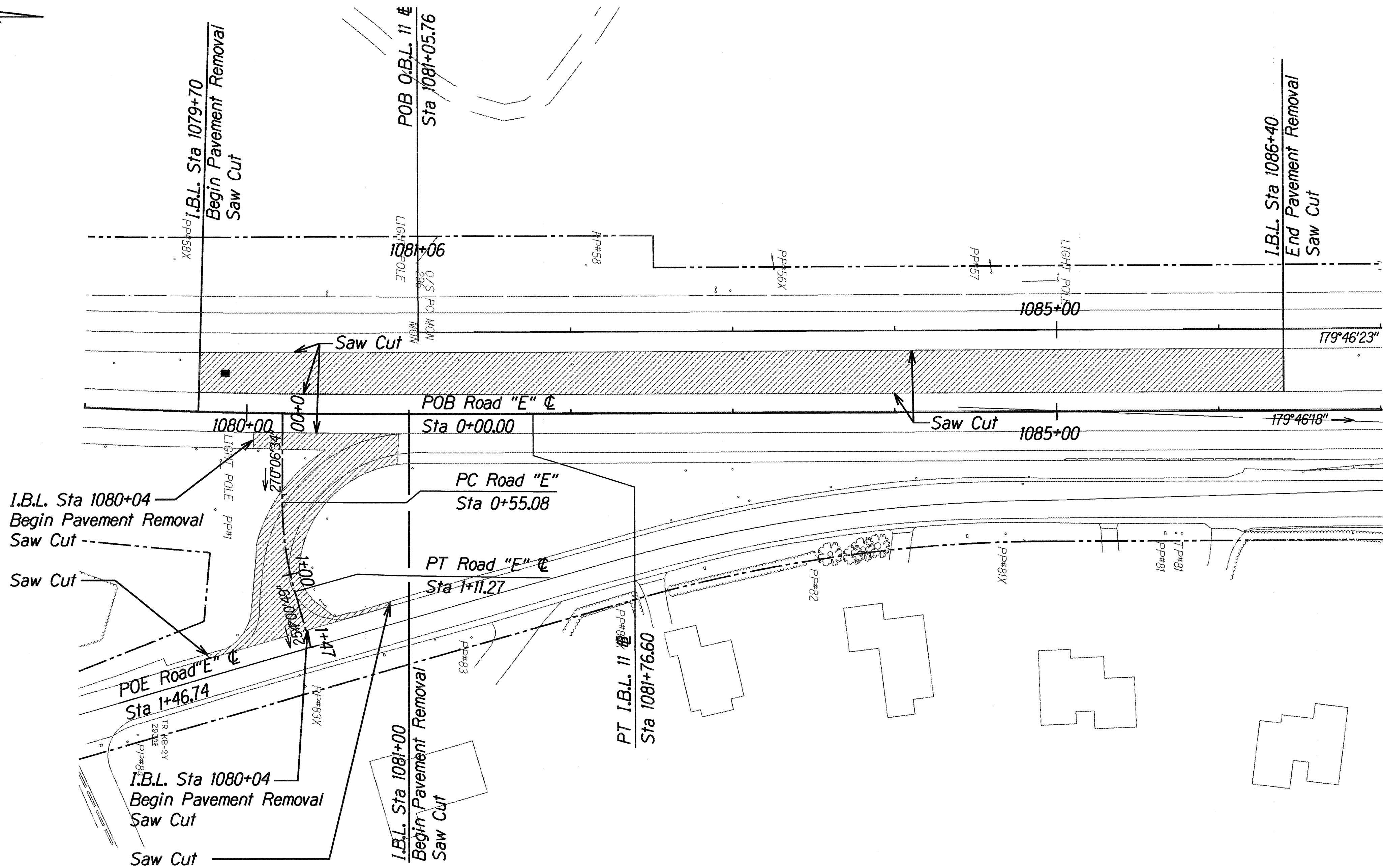


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	52	210

TRUE NORTH
SCALE : 1" = 40'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
DESIGNED BY		
CHECKED BY		
N. 1-0003-000		

LEGEND:

 Remove Pavement

Estimated Areas 22,800 Sq.Ft.

NANCY E. BURNS
LICENSED PROFESSIONAL ENGINEER
No. 6812-C
HAWAII, U.S.A.

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

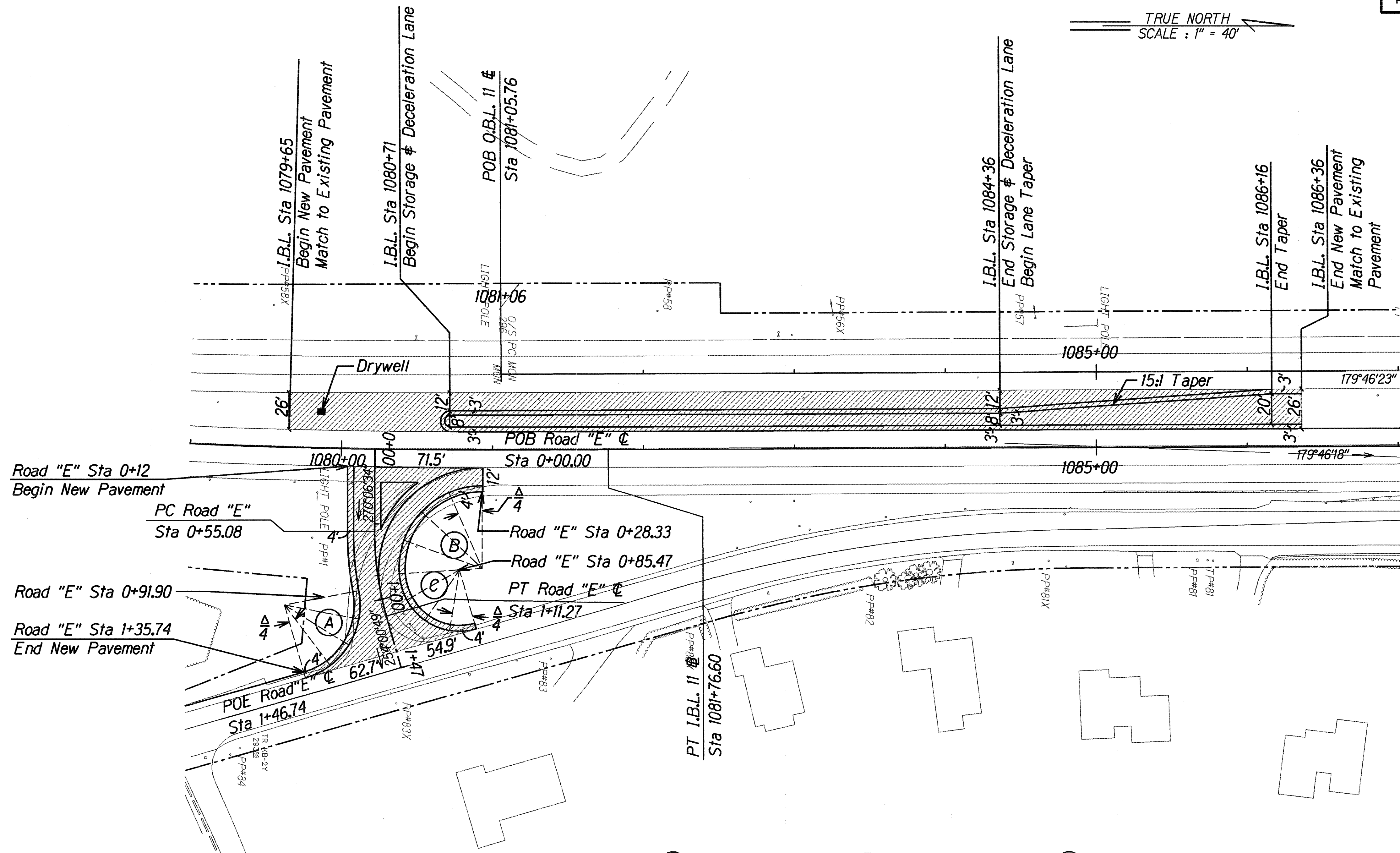
DEMOLITION PLAN
VICINITY OF ROAD "E"

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. 1 OF 1 SHEETS



ROAD "E" CURVE DATA

$\Delta = 16^{\circ}05'45''$
 $R = 200.0'$
 $T = 28.8'$
 $C = 56.0'$
 $Lc = 56.2'$

(A) CURVE DATA

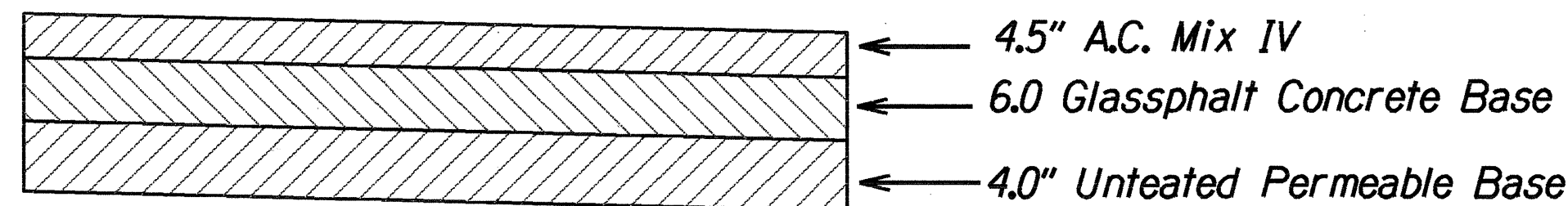
$\Delta = 84^{\circ}27'00''$
 $R = 50.0'$
 $T = 45.4'$
 $C = 67.2'$
 $Lc = 73.7'$

(B) CURVE DATA

$\Delta = 93^{\circ}54'47''$
 $R = 55.0'$
 $T = 58.9'$
 $C = 80.4'$
 $Lc = 90.2'$

(C) CURVE DATA

$\Delta = 102^{\circ}04'21''$
 $R = 40.0'$
 $T = 49.5'$
 $C = 62.2'$
 $Lc = 71.3'$

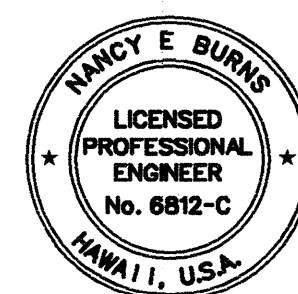


TYPICAL SECTION FOR ROAD "E" & DECELERATION LANE

LEGEND:

Remove Pavement

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	



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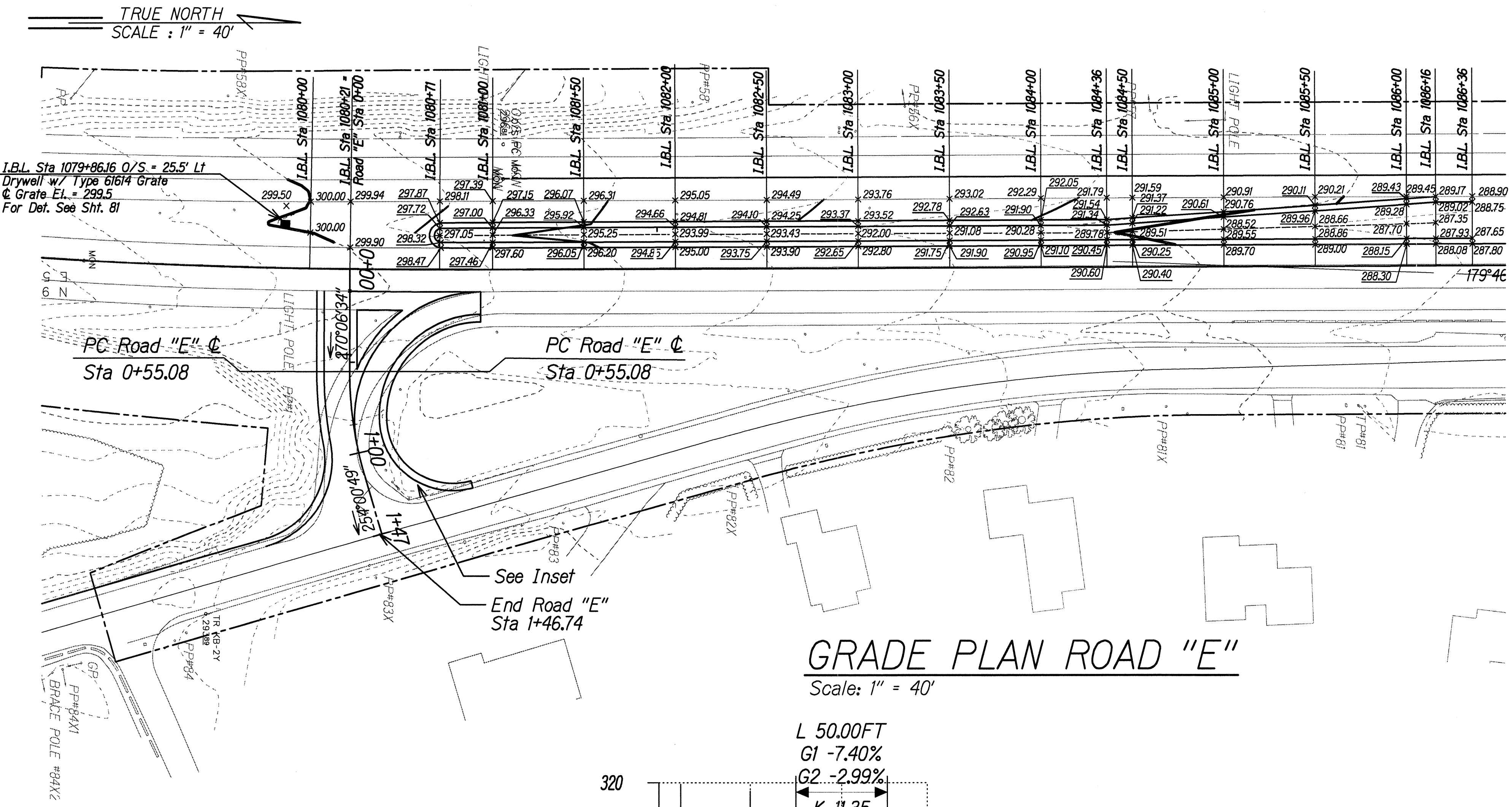
Nancy E. Burns
DATE: 8/24/98

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT PLAN
VICINITY OF ROAD "E"

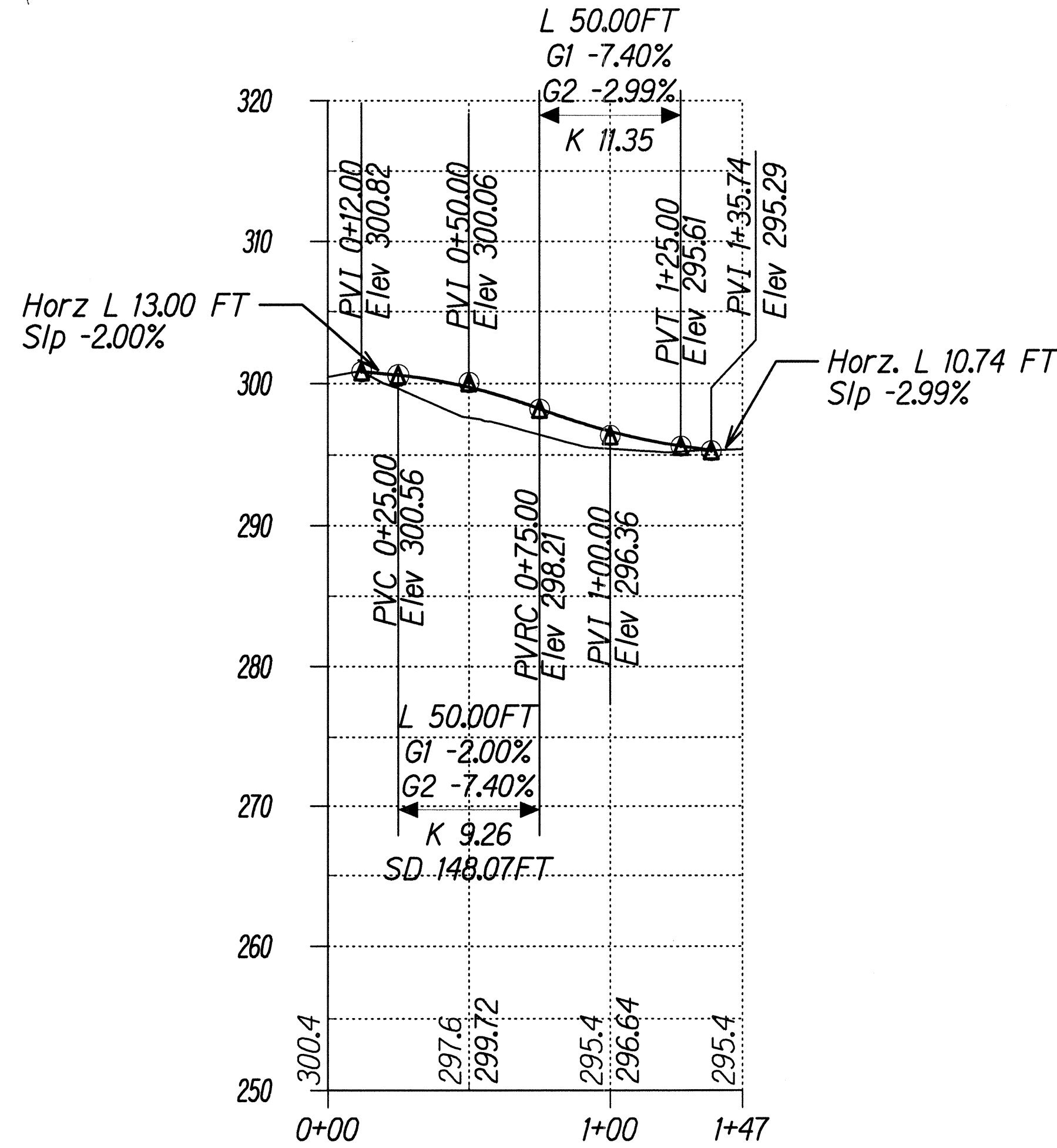
KEA'AU-PAHOA ROAD VIC. OF KEA'AU TOWN (KEA'AU BYPASS ROAD), PH. 2
PROJECT NO. 130B-01-98
Scale: 1"=40' Date: August, 1998
SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	130B-01-98	1999	54	210



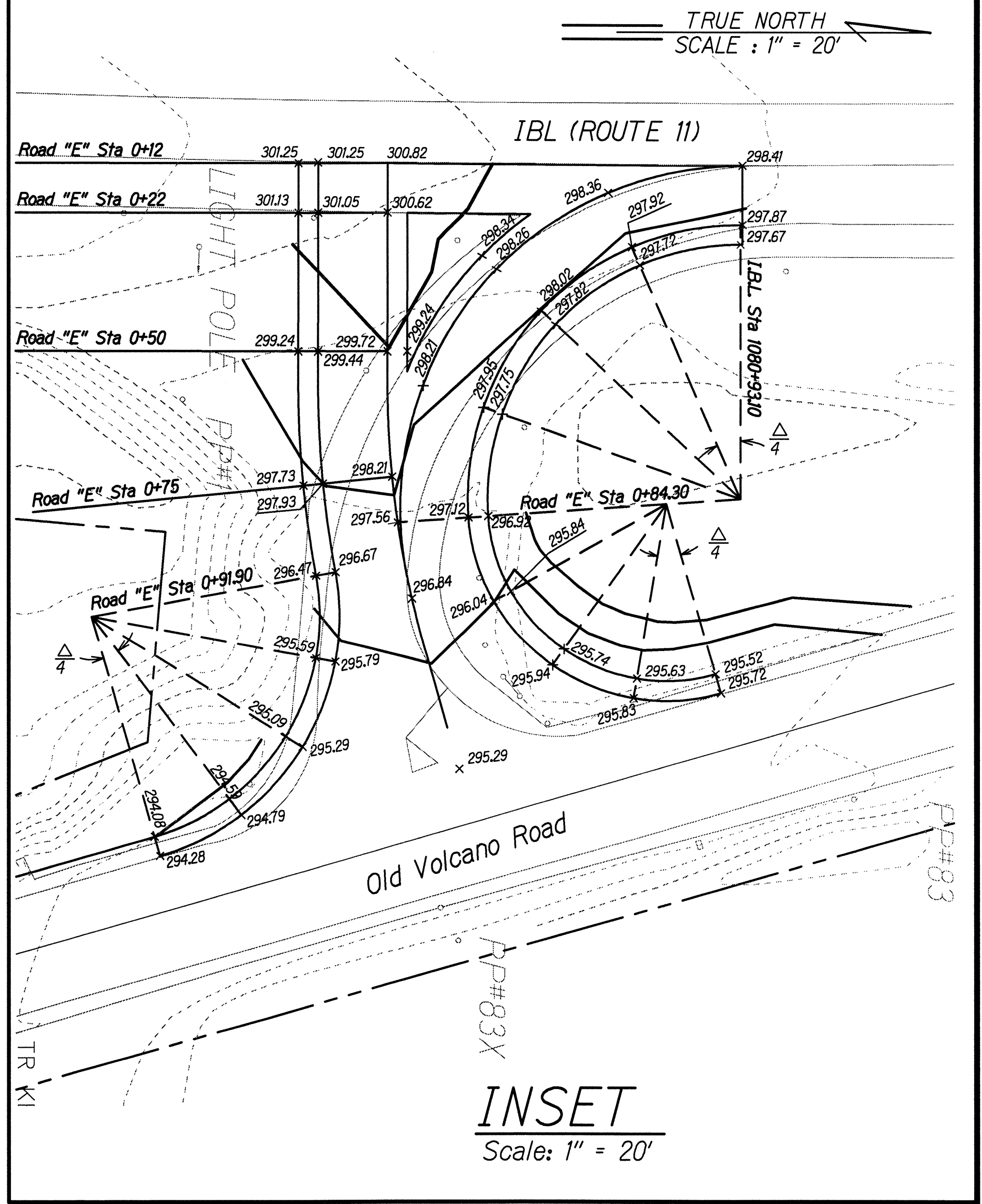
GRADE PLAN ROAD "E"

Scale: 1" = 40'



PROFILE ROAD "E"

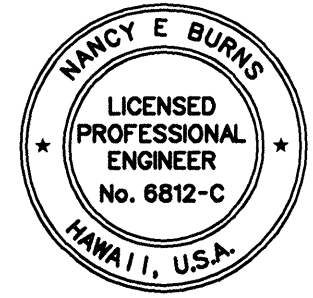
Scale: Horiz. 1" = 40'
Vert. 1" = 8'



INSET

Scale: 1" = 20'

REVIEW PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	



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Nancy E. Burns
DATE 3/29/98

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