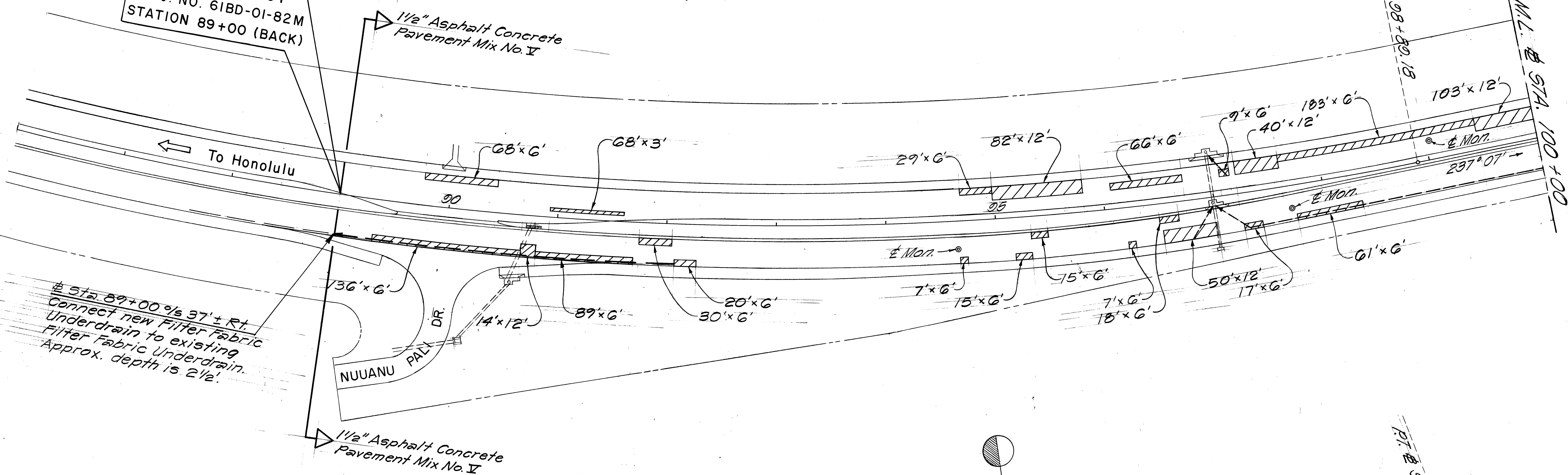


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61BD-01-82M	1982	6	31

CURVE DATA

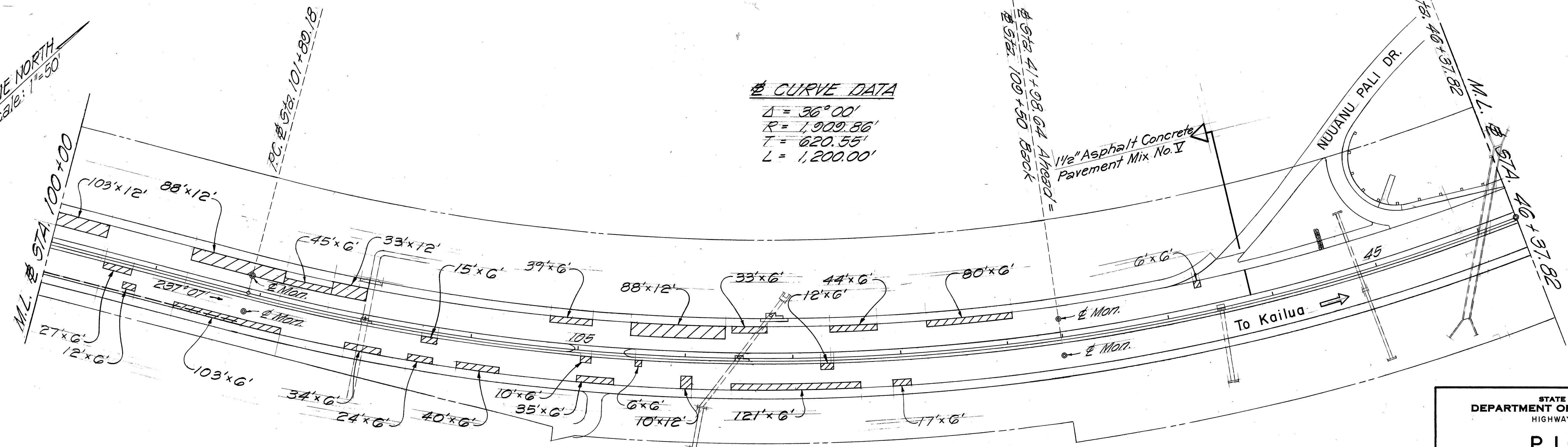
$\Delta = 37^{\circ}12'$
 $R = 2,864.79'$
 $T = 964.12'$
 $L = 1,859.99'$

BEGIN PROJECT
 PROJ. NO. 61BD-01-82M
 STATION 89+00 (BACK)



CURVE DATA

$\Delta = 36^{\circ}00'$
 $R = 1,909.86'$
 $T = 620.55'$
 $L = 1,200.00'$



LEGEND

- Reconstructed Area
- Filter Fabric Underdrain (Arrow indicates direction of flow)

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

PLAN

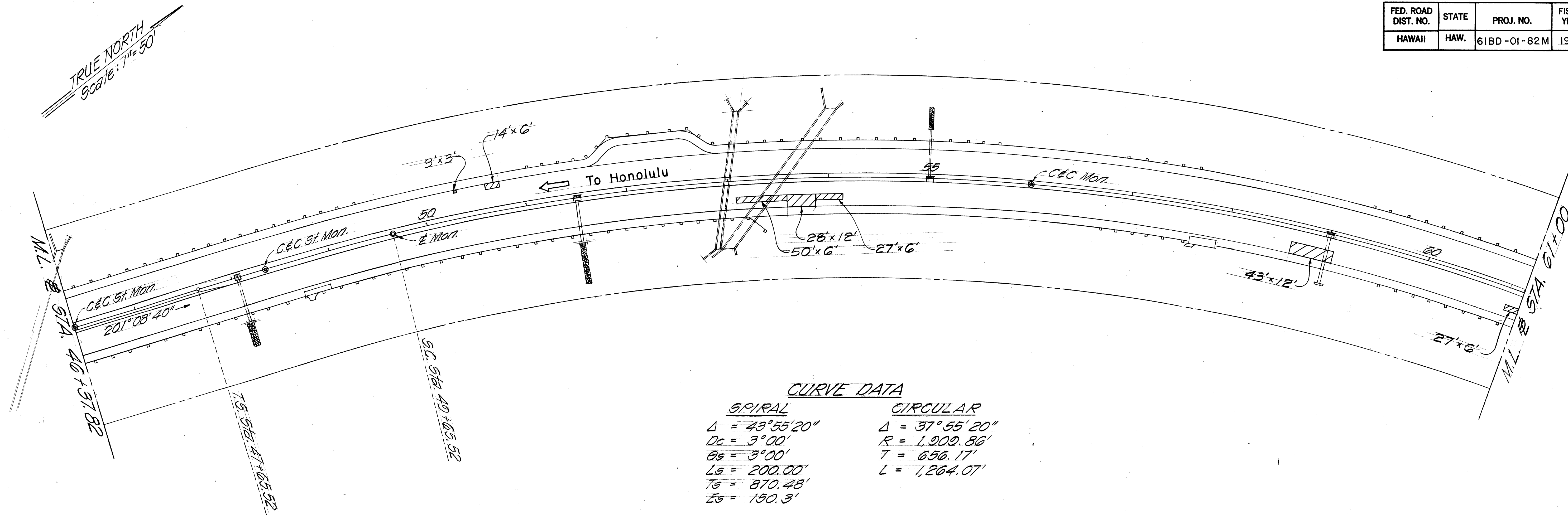
PALI HWY. RESURFACING
 Reservoir No. 3 to Castle Junction
 PROJ. NO. 61BD-01-82M

Scale as noted Date: Jan. 1982

SHEET NO. 1 OF 7 SHEETS

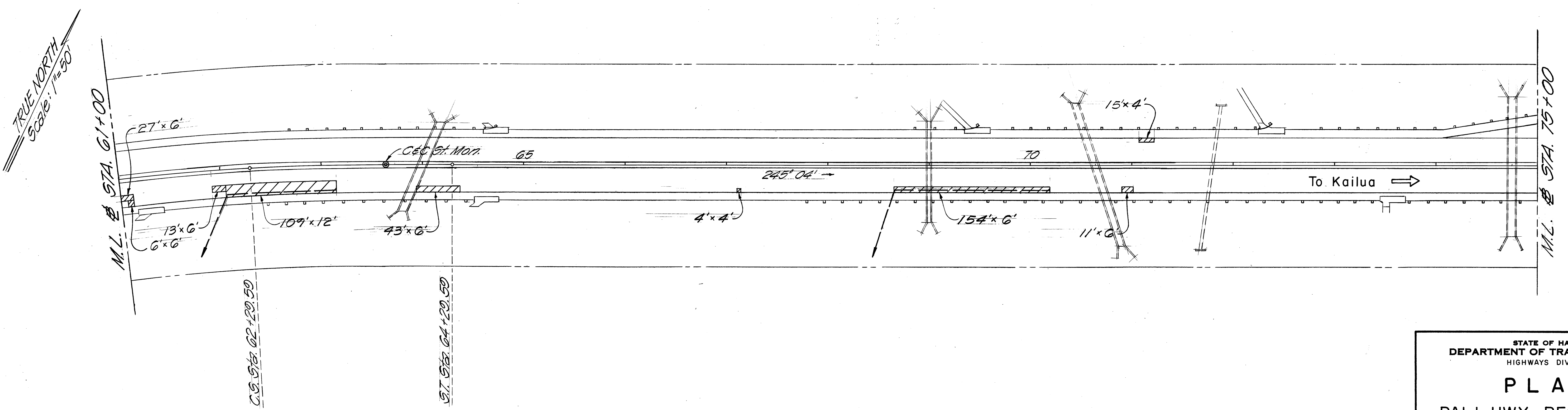
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61BD-01-82M	1982	7	31



CURVE DATA

SPIRAL	CIRCULAR
$\Delta = 43^{\circ}55'20''$	$\Delta = 37^{\circ}55'20''$
$DC = 3^{\circ}00'$	$R = 1,909.86'$
$DS = 3^{\circ}00'$	$T = 656.17'$
$LS = 200.00'$	$L = 1,264.07'$
$TS = 870.48'$	
$ES = 150.3'$	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

PALI HWY. RESURFACING
Reservoir No. 3 to Castle Junction
PROJ. NO. 61BD-01-82M

Scale as noted Date: Jan. 1982

SHEET NO. 2 OF 7 SHEETS

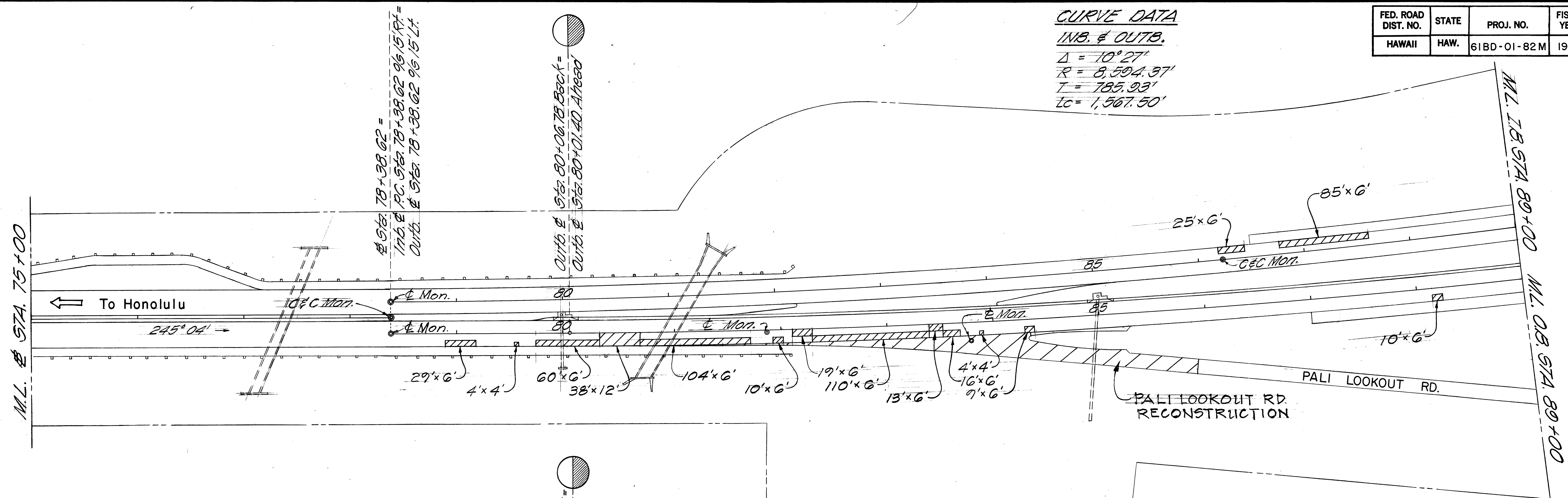
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DESIGNED BY	DRAWN BY	
CHECKED BY	NOTED BY	
CHECKED BY		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61BD-01-82M	1982	8	31

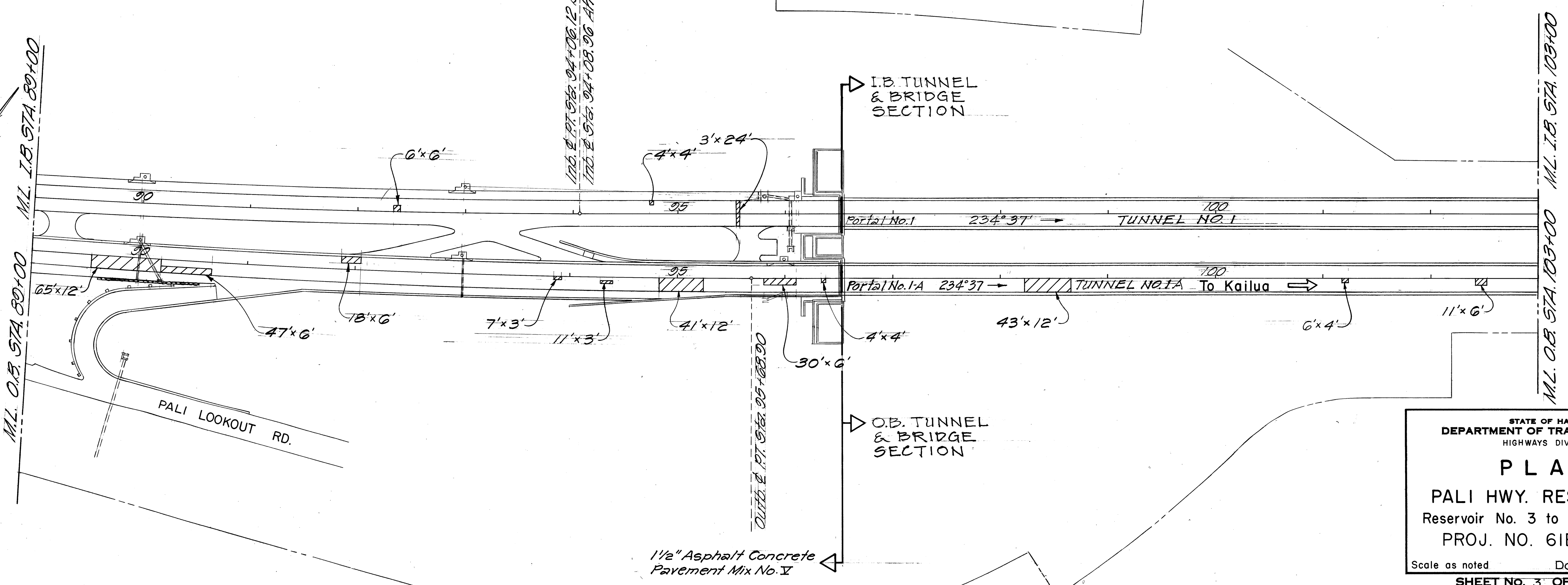
CURVE DATA

INS. & OUTS.
 $\Delta = 10^{\circ}27'$
 $R = 8,594.37'$
 $T = 785.93'$
 $LC = 1,567.50'$

TRUE NORTH
Scale: 1"=50'



TRUE NORTH
Scale: 1"=50'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

PALI HWY. RESURFACING
Reservoir No. 3 to Castle Junction
PROJ. NO. 61BD-01-82M

Scale as noted Date: Jan. 1982

SHEET NO. 3 OF 7 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

1 1/2" Asphalt Concrete
Pavement Mix No. II

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61BD-01-82M	1982	9	31

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTE BOOK	_____
No.	_____

TRUE NORTH
Scale: 1"=50'

INB. & OUTB. SPIRAL DATA

$\Delta = 24^{\circ}45'$
 $Dc = 12^{\circ}22'30"$
 $\theta = 12^{\circ}22'30"$
 $Lg = 200'$
 $Tg = 202.22'$
 $Eg = 14.7'$

Inb. & Outb. Sta. 116+00 to 116+20.00
 Inb. & Outb. Sta. 117+00 to 117+20.00
 Inb. & Outb. Sta. 118+00 to 118+20.00

INB. CURVE DATA

SPIRAL DATA
 $\Delta = 36^{\circ}46'$
 $Dc = 13^{\circ}43'56"$
 $\theta = 13^{\circ}43'56"$
 $Lg = 200'$
 $Tg = 239.80'$
 $Eg = 26.6'$

CIRCULAR DATA
 $\Delta c = 9^{\circ}18'08"$
 $R = 417.24'$
 $T = 33.94'$
 $Lc = 67.74'$

INB. SPIRAL DATA
 $\Delta = 23^{\circ}38'$
 $Dc = 13^{\circ}01'02"$
 $\theta = 9^{\circ}45'46"$
 $Lg = 150'$
 $Tg = 167.47'$
 $Eg = 11.6'$

CURVE DATA

CIRCULAR DATA
 $\Delta c = 4^{\circ}06'28"$
 $R = 440.76'$
 $T = 15.70'$
 $Lc = 31.56'$

OUTB. CURVE DATA

$\Delta = 27^{\circ}14'$
 $R = 954.92'$
 $T = 237.31'$
 $Lc = 453.88'$

OUTB. CURVE DATA

SPIRAL DATA
 $\Delta = 36^{\circ}46'$
 $Dc = 13^{\circ}44'00"$
 $\theta = 13^{\circ}44'00"$
 $Lg = 200'$
 $Tg = 239.78'$
 $Eg = 26.6'$

CIRCULAR DATA
 $\Delta c = 9^{\circ}18'00"$
 $R = 417.20'$
 $T = 33.93'$
 $Lc = 67.72'$

OUTB. CURVE DATA

SPIRAL DATA
 $\Delta = 9^{\circ}00'$
 $Dc = 9^{\circ}00'$
 $\theta = 9^{\circ}00'$
 $Lg = 200'$

CIRCULAR DATA
 $\Delta c = 12^{\circ}23'$
 $R = 636.62'$
 $T = 69.07'$
 $Lc = 137.59'$

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

PALI HWY. RESURFACING

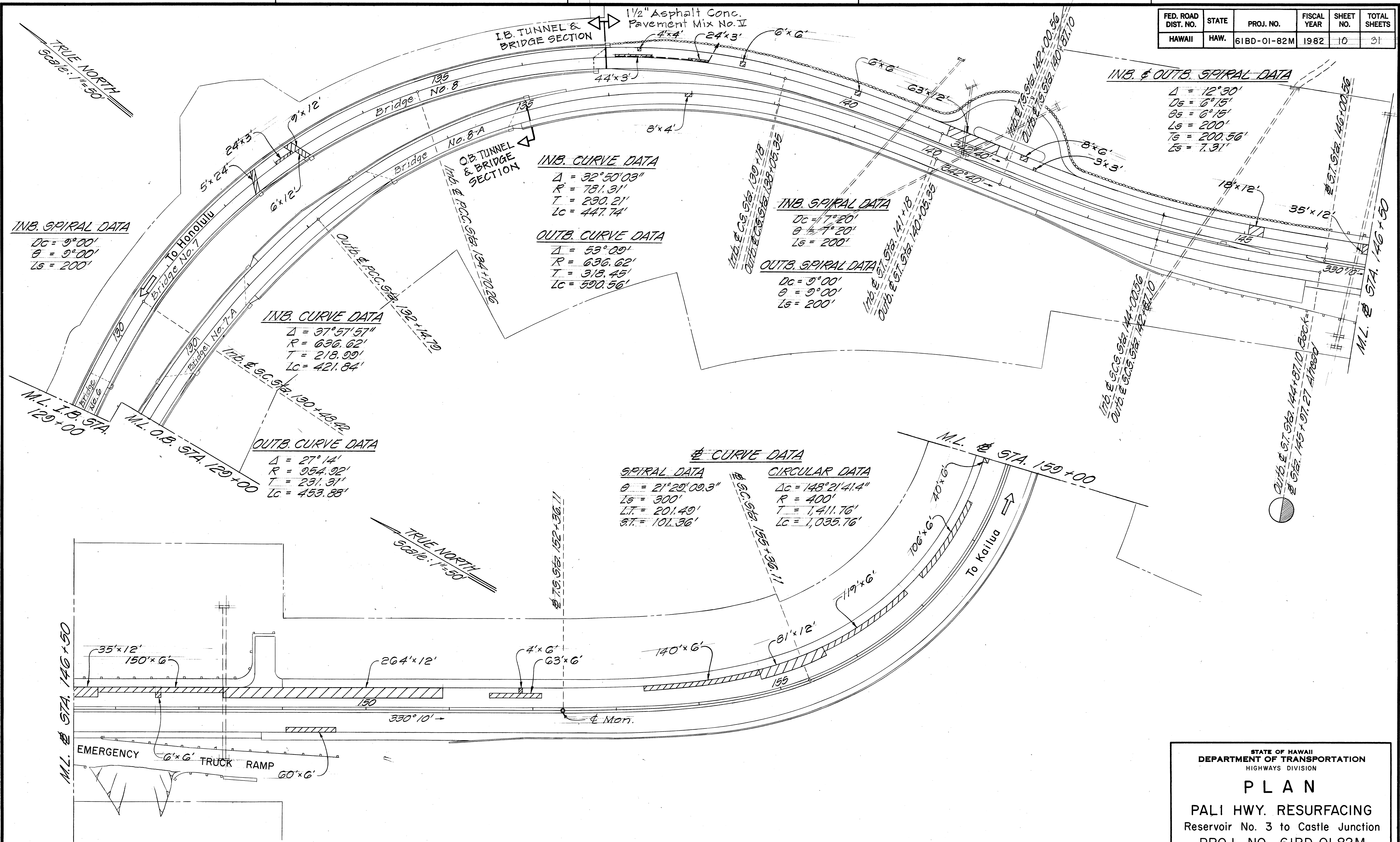
Reservoir No. 3 to Castle Junction

PROJ. NO. 61BD-01-82M

Scale as noted Date: Jan. 1982

SHEET NO. 4 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61BD-01-82M	1982	10	31



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

PAL1 HWY. RESURFACING
Reservoir No. 3 to Castle Junction
PROJ. NO. 61BD-01-82M

Scale as noted Date: Jan. 1982
SHEET NO. 5 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61BD-01-82M	1982	11	31

CURVE DATA

SPIRAL DATA	CIRCULAR DATA
$\Delta = 191^{\circ} 21'$	$\Delta c = 148^{\circ} 21' 41.4''$
$\theta = 21^{\circ} 29' 09.3''$	$R = 400'$
$L_s = 300'$	$T = 1,411.76'$
$L.T. = 201.40'$	$L_c = 1,035.76'$
$S.T. = 101.36'$	

SPIRAL DATA

$\Delta = 47^{\circ} 45'$
$\theta_s = 12^{\circ} 00'$
$L_s = 300'$
$T_s = 465.35'$
$L.T. = 200.46'$
$S.T. = 100.42'$

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

PLAN

PALI HWY. RESURFACING

Reservoir No. 3 to Castle Junction

PROJ. NO. 61BD-01-82M

Scale as noted Date: Jan. 1982

SHEET No. 6 OF 7 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

NOTE:

St. Stephen's Seminary Road shall be resurfaced with a layer of 1 1/2" Asphalt Concrete Pavement, Mix No. V for a length of 400± feet beginning at Pali Highway.

ORIGINAL PLAN	SURVEY PLOTTED BY _____		DATE _____
NOTE BOOK	DRAWN BY _____	_____	
	TRACED BY _____	_____	
	DESIGNED BY _____	_____	
No. _____	QUANTITIES BY _____	_____	
	CHECKED BY _____	_____	