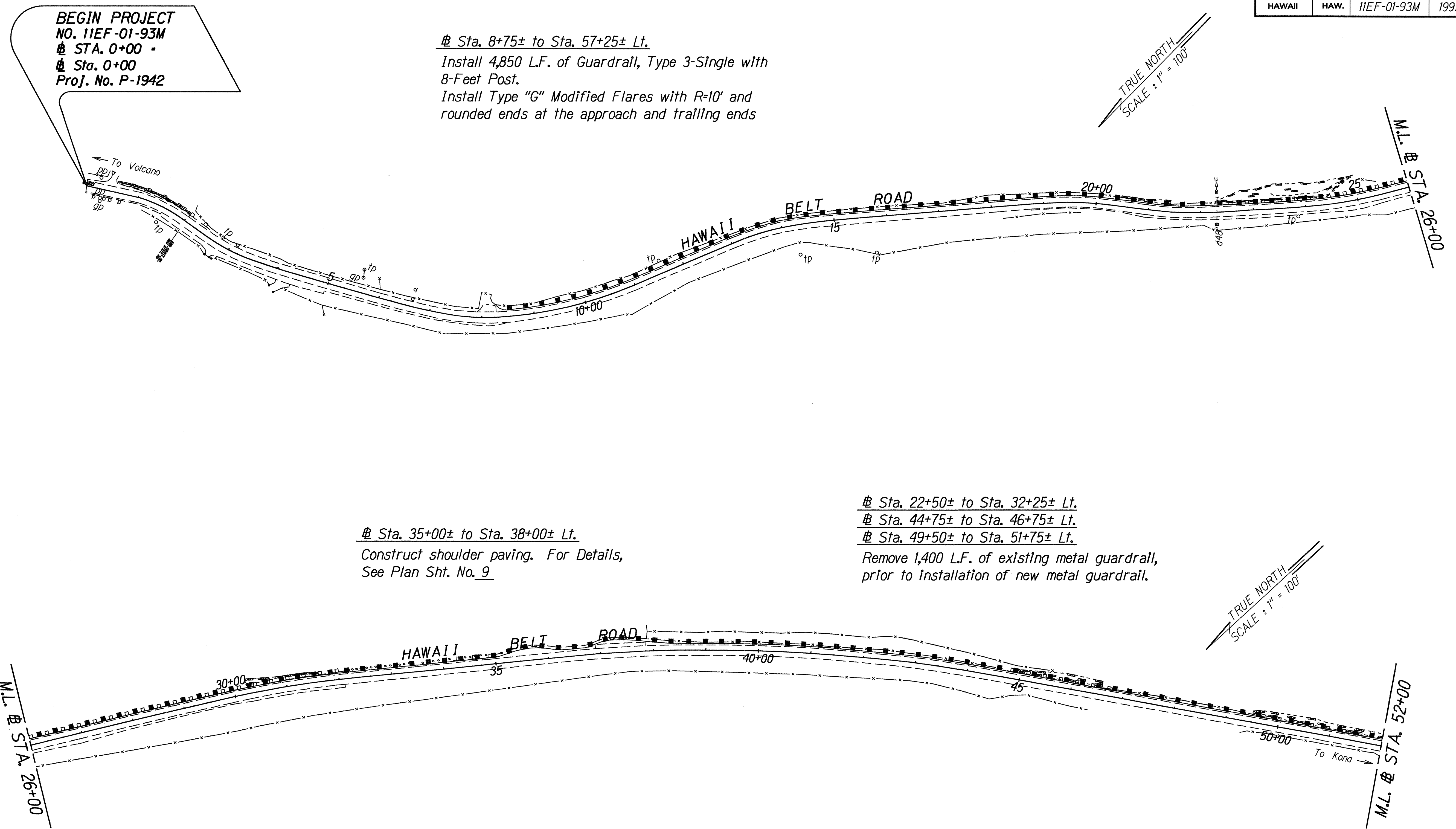


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	11	55



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	6/1/93
	DESIGNED BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

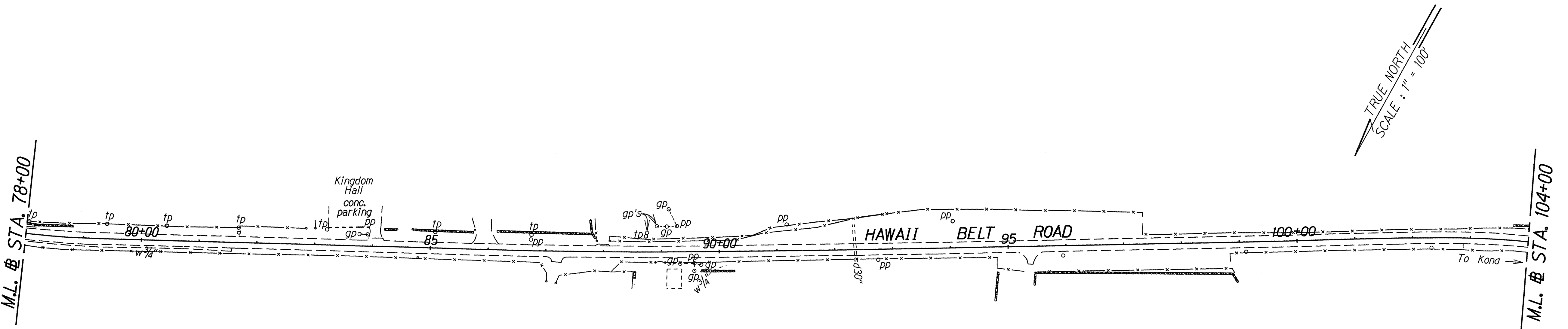
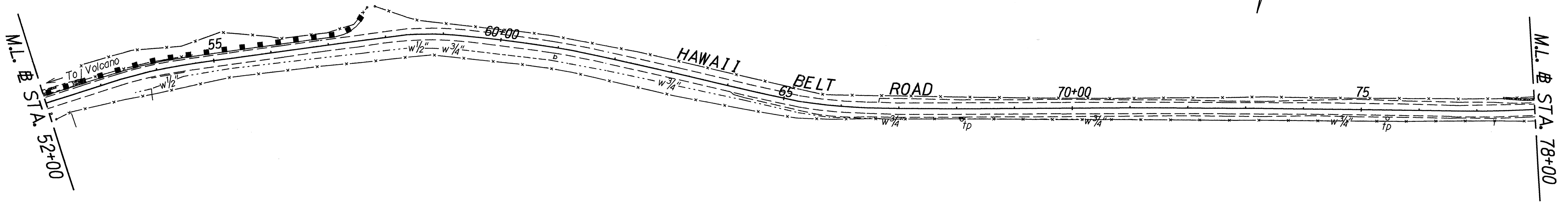
PLAN

HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

Scale: 1"= 100' Date: June, 1993

SHEET No. 1 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	12	55



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	5/11/93
	DESIGNED BY	
	CHECKED BY	

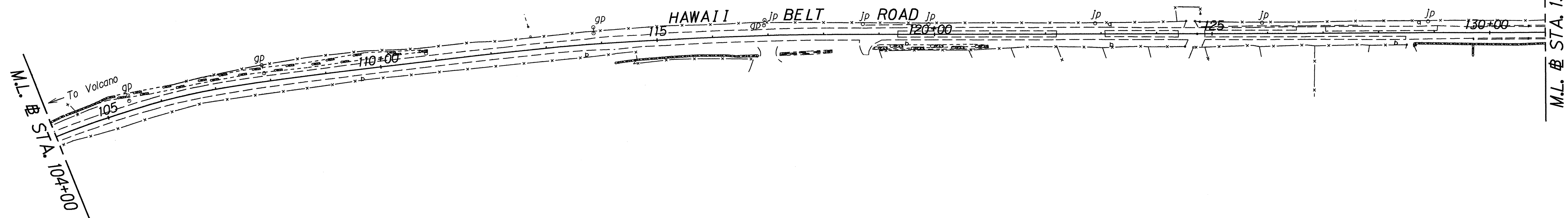
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

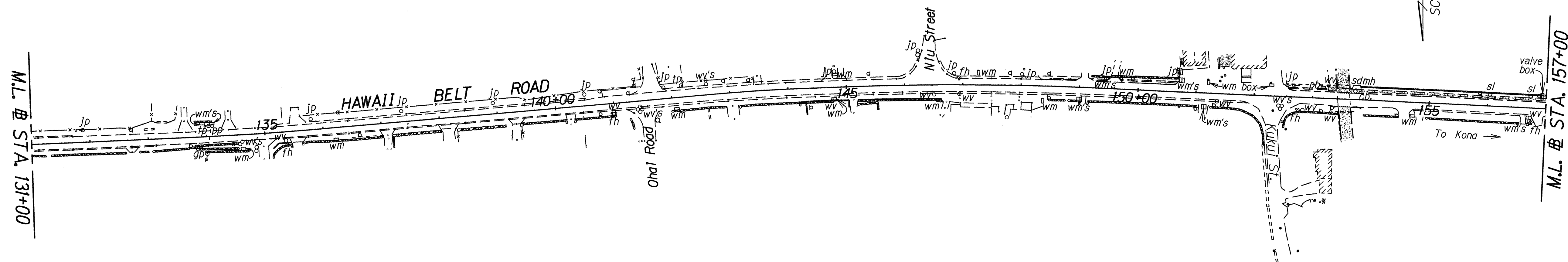
Scale: 1"= 100' Date: June, 1993

SHEET No. 2 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	13	55



Sta. 140+80± to Sta. 162+00±
 Remove existing concrete curb, sidewalk and wheelchair ramps.
 Construct New Concrete Curb, Sidewalk and Wheelchair Ramps.
 For Typical Details, See Plan Sht. No. 8



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	6/1/93
	DESIGNED BY	
	CHECKED BY	

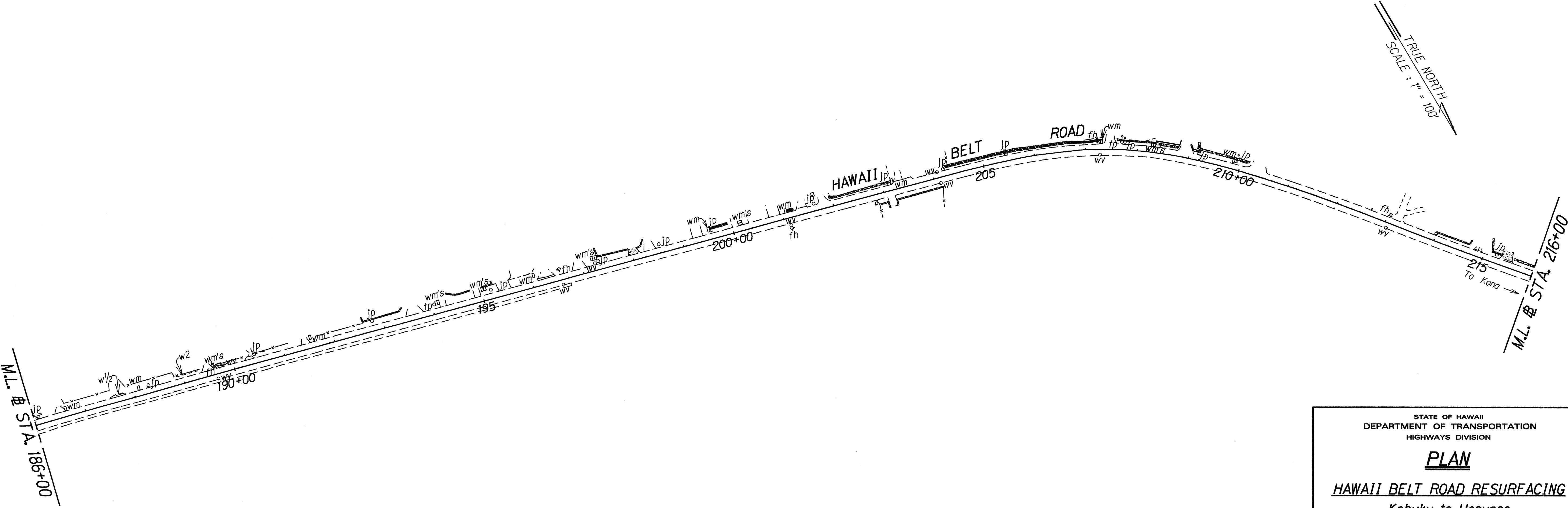
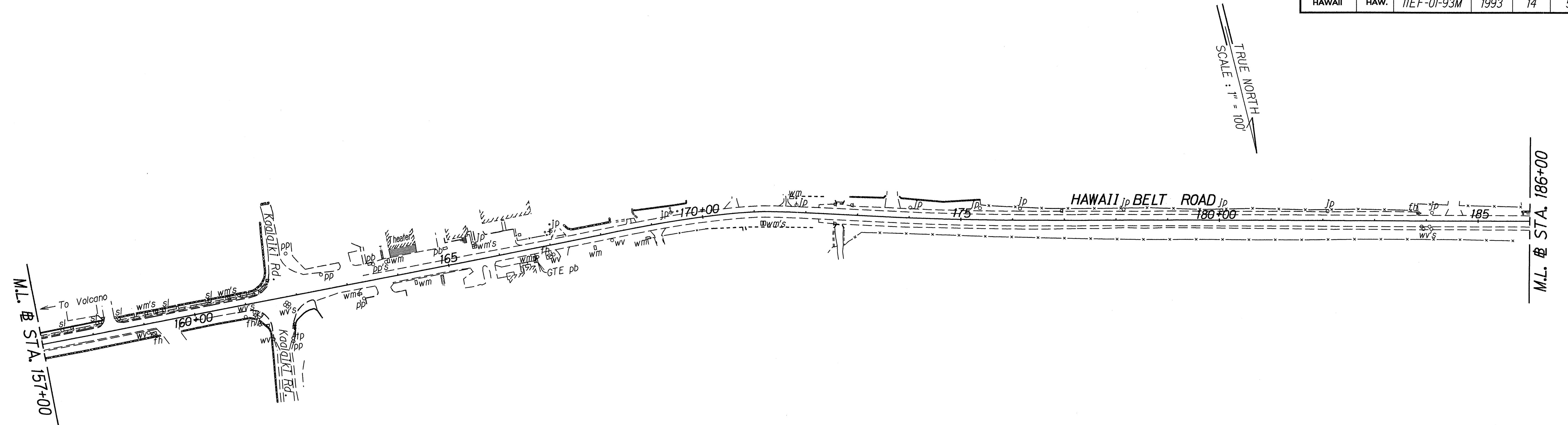
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

PLAN

HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

Scale: 1"= 100' Date: June, 1993
 SHEET No. 3 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	14	55



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTES BOOK	DRAWN BY	5/10/93
	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

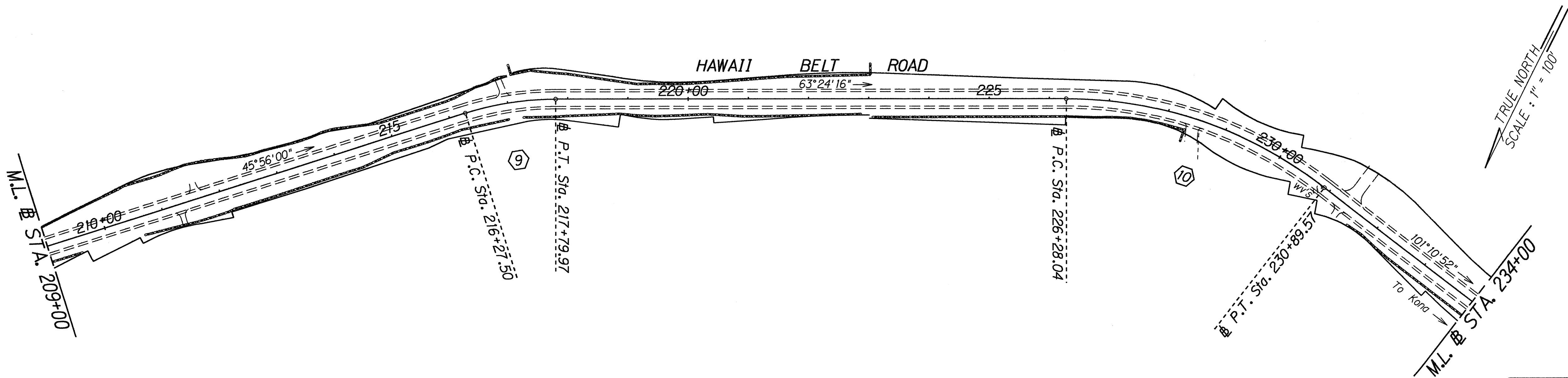
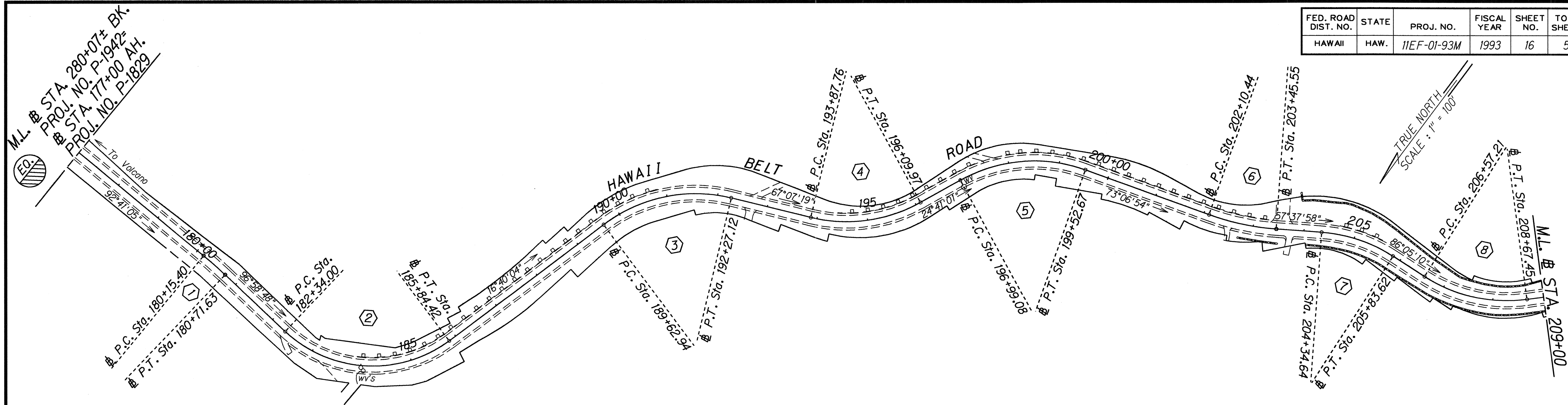
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

Scale: 1"= 100' Date: June, 1993
SHEET No. 4 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	16	55



CURVE DATA										
	1	2	3	4	5	6	7	8	9	10
Δ	04°17'43"	80°18'44"	50°27'15"	42°26'17"	48°25'53"	15°28'56"	28°27'13"	40°09'10"	17°28'16"	37°46'36"
R	750.00'	250.00'	300.00'	300.00'	300.00'	500.00'	300.00'	300.00'	500.00'	700.00'
T	28.13'	210.94'	141.34'	116.48'	134.92'	67.97'	76.06'	109.64'	76.83'	239.50'
Lc	56.23'	350.43'	264.18'	222.21'	253.59'	135.11'	148.98'	210.24'	152.46'	461.53'
C	56.21'	322.44'	255.72'	217.76'	246.10'	134.70'	147.46'	205.96'	151.87'	453.22'

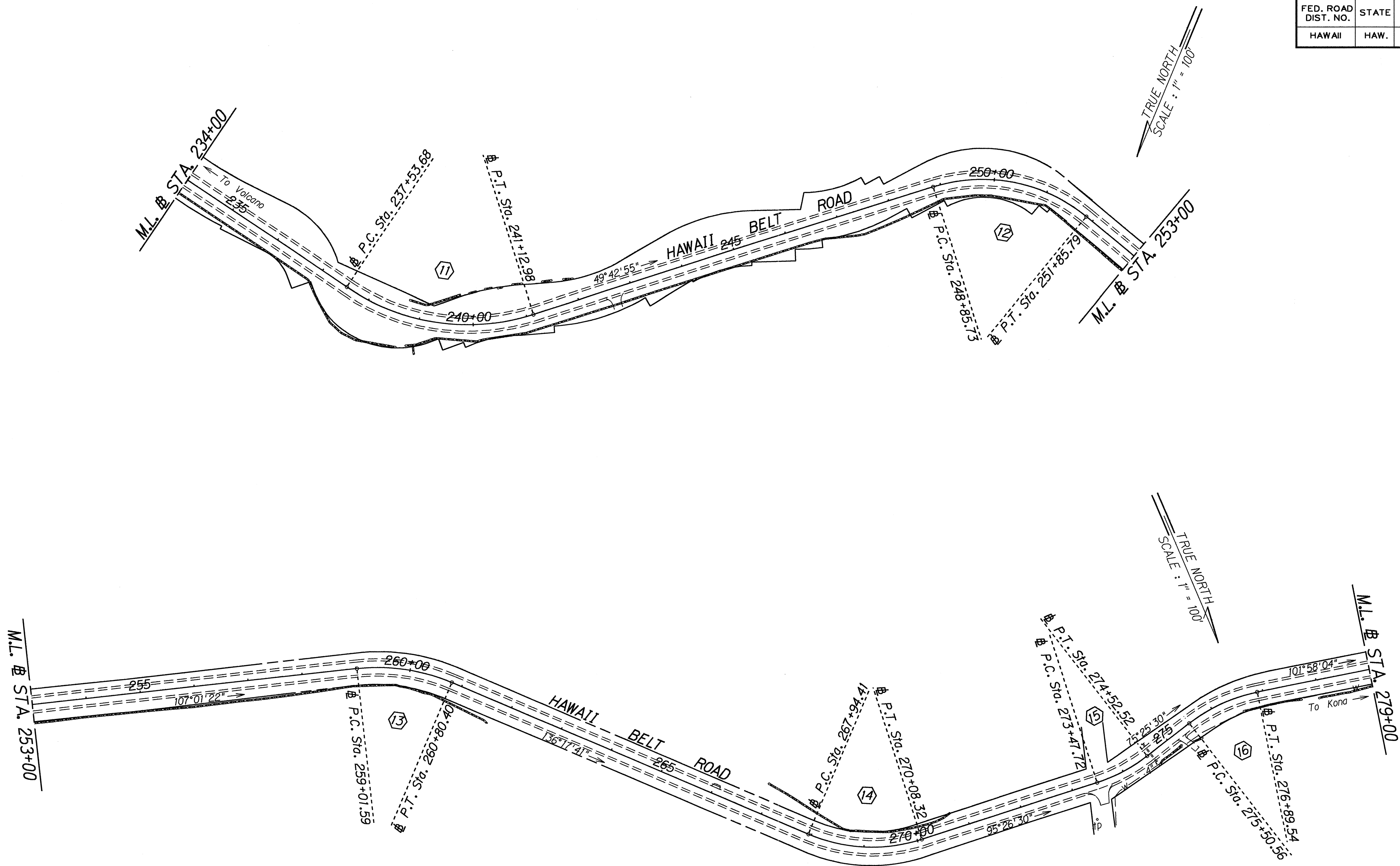
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

Scale: 1"= 100'
Date: June, 1993
SHEET No. 6 OF 17 SHEETS

DATE	12/13/93
SURVEY PLOTTED BY	...
DRAWN BY	...
NOTE BOOK	...
QUANTITIES BY	...
CHECKED BY	...
ORIGINAL PLAN	...

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	17	55



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	6/1/93
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

CURVE DATA						
	11	12	13	14	15	16
Δ	51°27'56"	57°18'27"	29°16'19"	40°51'10"	20°00'59"	26°32'34"
R	400.00'	300.00'	350.00'	300.00'	300.00'	300.00'
T	192.79'	163.93'	91.40'	111.73'	52.94'	70.76'
Lc	359.30'	300.06'	178.81'	213.91'	104.81'	138.98'
C	347.34'	287.71'	176.87'	209.40'	104.27'	137.74'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HAWAII BELT ROAD RESURFACING

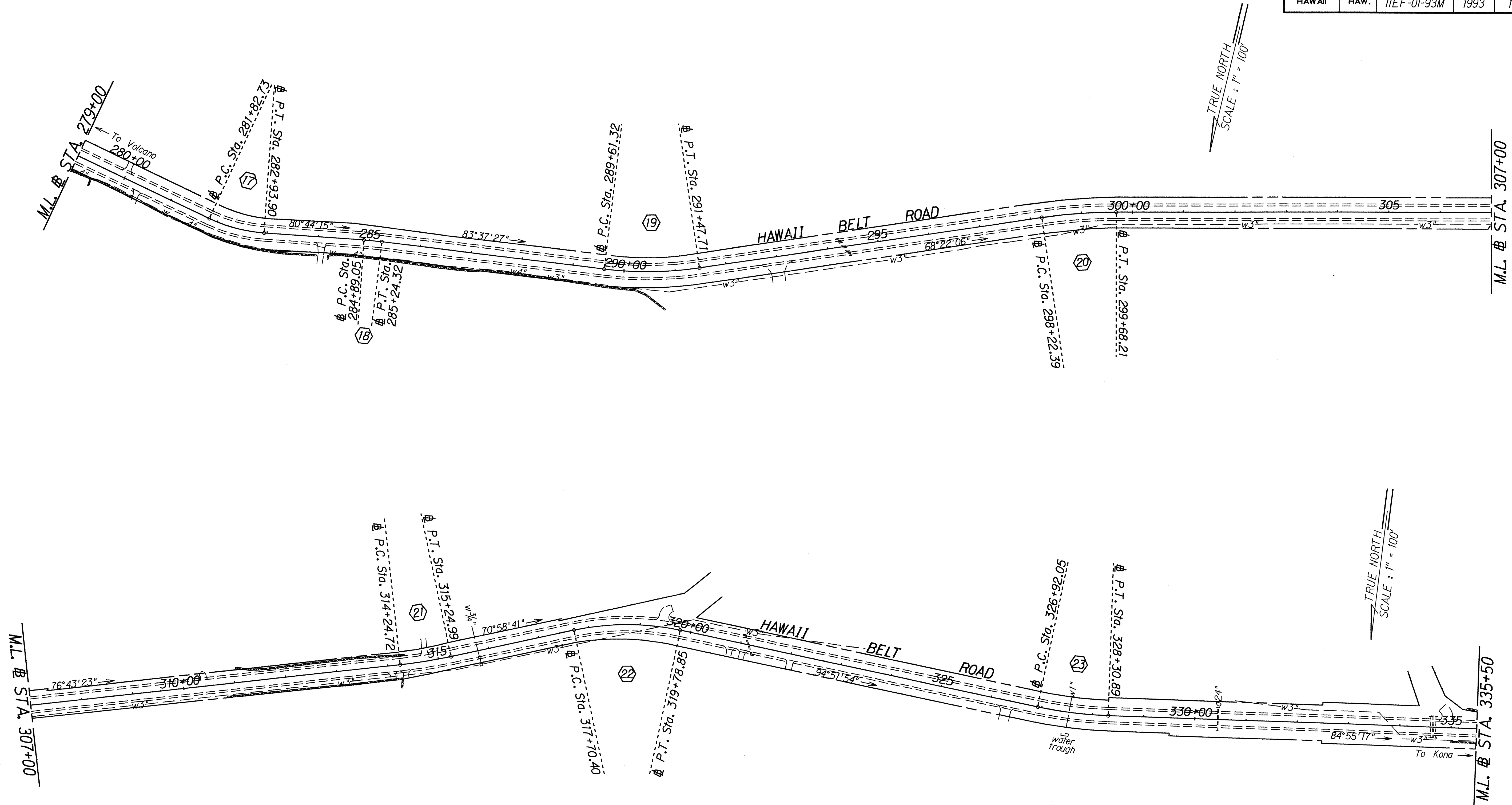
Kahuku to Honuapo

PROJECT NO. 11EF-01-93M

Scale: 1"= 100'
Date: June, 1993

SHEET No. 7 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	18	55



CURVE DATA							
	17	18	19	20	21	22	23
Δ	21°13'49"	02°53'12"	15°15'21"	08°21'18"	05°44'43"	23°53'13"	09°56'36'
R	300.00'	700.00'	700.00'	1000.00'	1000.00'	500.00'	800.00'
T	56.23'	17.64'	93.75'	73.04'	50.18'	105.76'	69.59'
Lc	111.16'	35.27'	186.39'	145.82'	100.28'	208.45'	138.84'
C	110.53'	35.26'	185.84'	145.69'	100.23'	206.95'	138.66'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HAWAII BELT ROAD RESURFACING

Kahuku to Honuapo

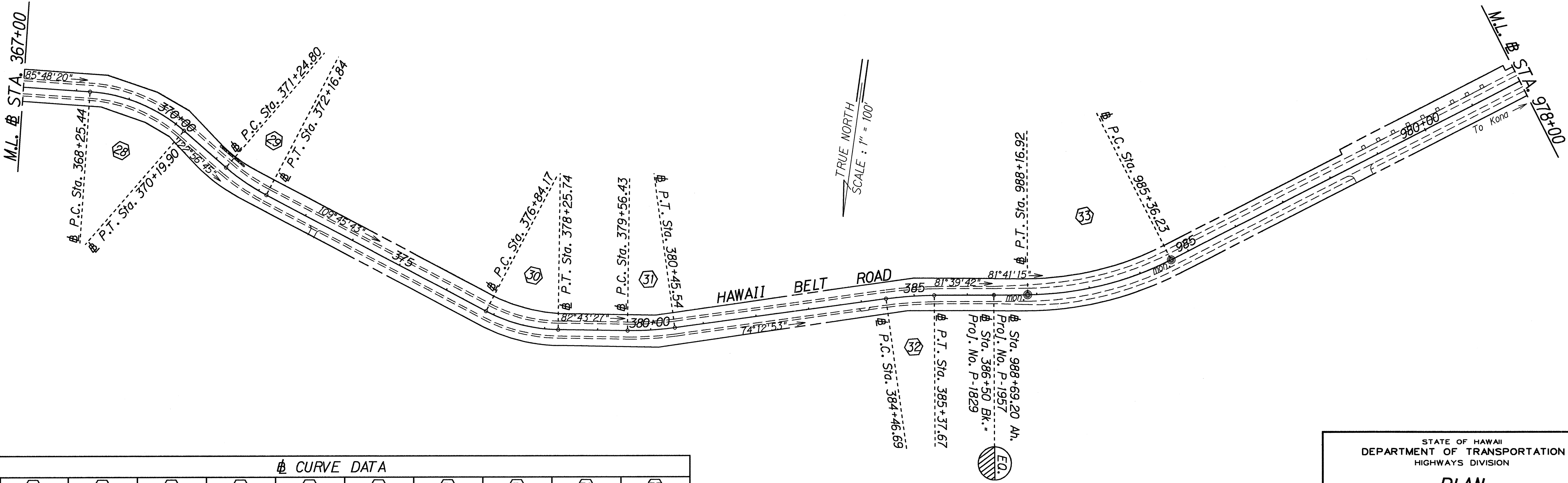
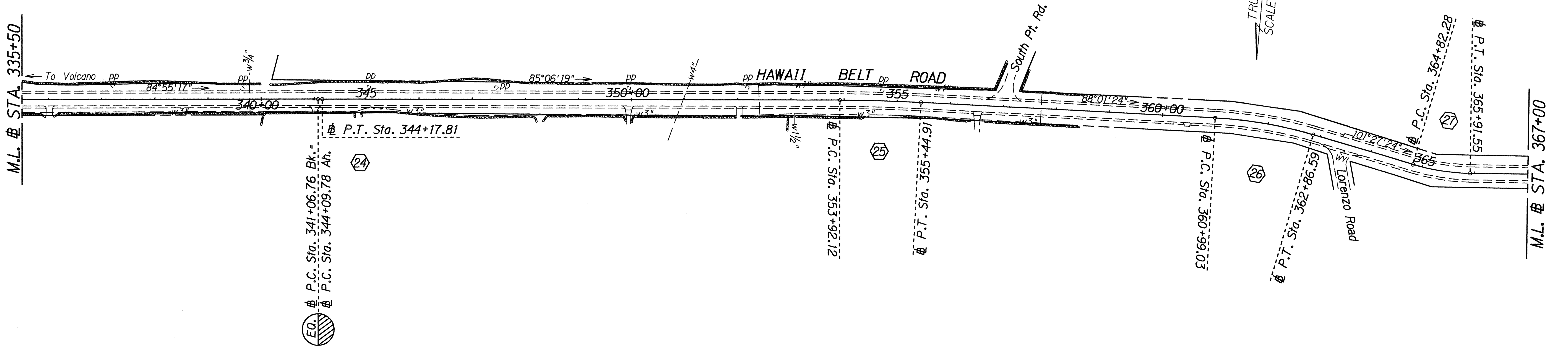
PROJECT NO. 11EF-01-93M

Scale: 1"= 100'
Date: June, 1993

SHEET No. 8 OF 17 SHEETS

ORIGINAL PLAN	DATE: 6/1/93
NOTED BY	
DESIGNED BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	19	55



CURVE DATA										
	24	25	26	27	28	29	30	31	32	33
Δ	0°11'02"	02°55'05"	13°26'00"	15°39'04"	37°08'25"	13°11'11"	27°02'06"	08°30'34"	07°26'49"	26°48'15"
R	2500.00'	3000.00'	800.00'	400.00'	300.00'	400.00'	300.00'	600.00'	700.00'	600.00'
T	4.01'	76.41'	94.22'	54.98'	100.79'	46.23'	72.12'	44.64'	45.56'	142.96'
Lc	8.02'	152.79'	187.57'	109.27'	194.47'	92.06'	141.56'	89.11'	90.98'	280.69'
C	8.02'	152.77'	187.14'	108.93'	191.08'	91.86'	140.25'	89.03'	90.92'	278.14'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

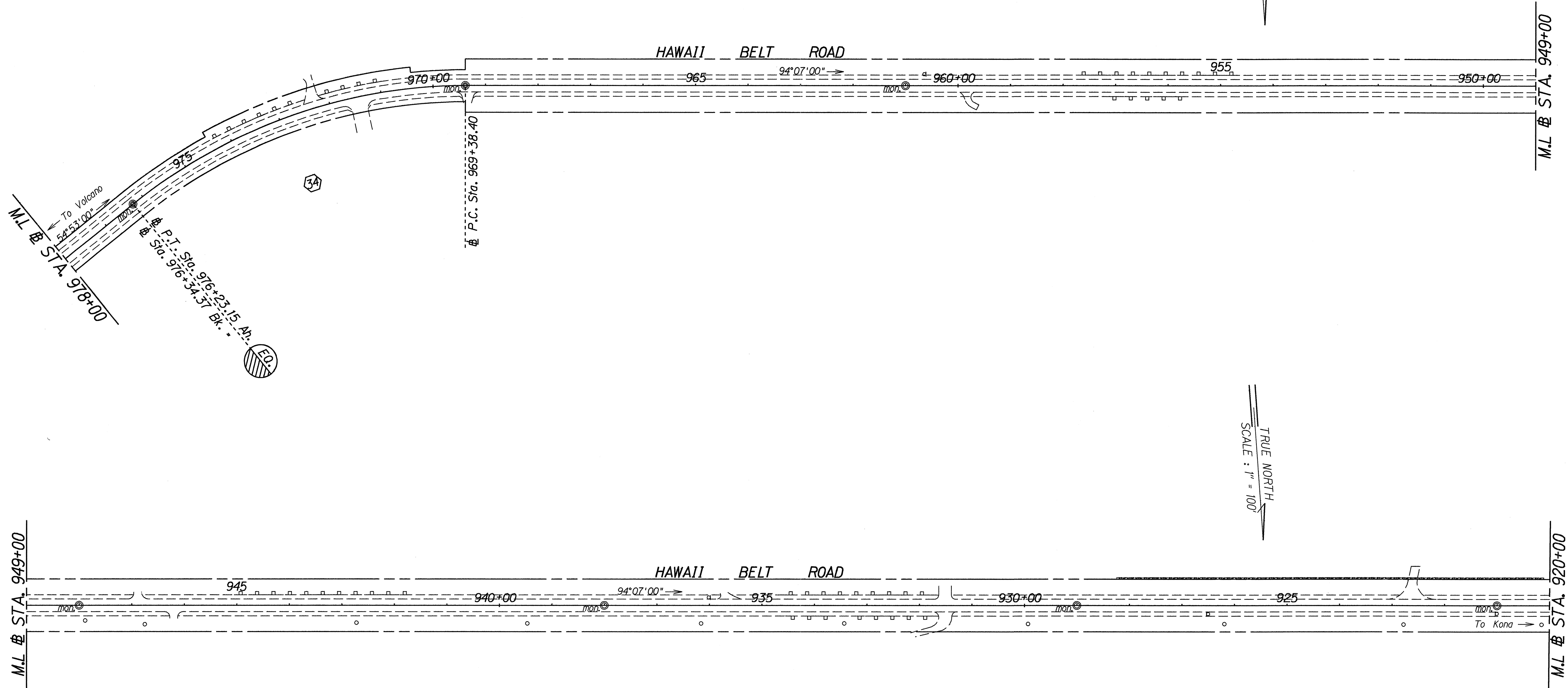
Scale: 1" = 100' Date: June, 1993

SHEET No. 9 OF 17 SHEETS

ORIGINAL PLAN	DATE	6/7/93
NOTED BY		
DESIGNED BY		
CHECKED BY		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	20	55

TRUE NORTH
SCALE : 1" = 100'



TRUE NORTH
SCALE : 1" = 100'

CURVE DATA	
	34
Δ	39°14'00"
R	1000.00'
T	356.41'
Lc	671.45'
C	684.75'

ORIGINAL PLAN	DATE
DRAWN BY	6/1/93
DESIGNED BY	
CHECKED BY	
NOTED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HAWAII BELT ROAD RESURFACING

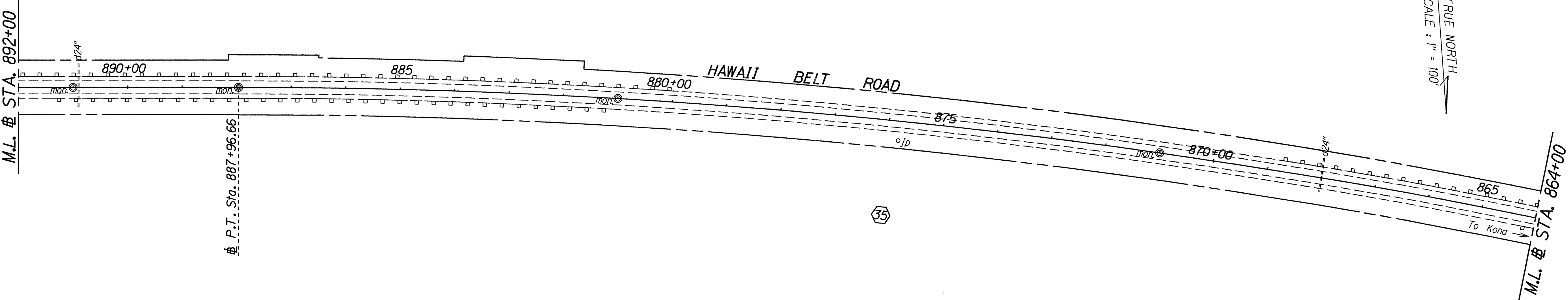
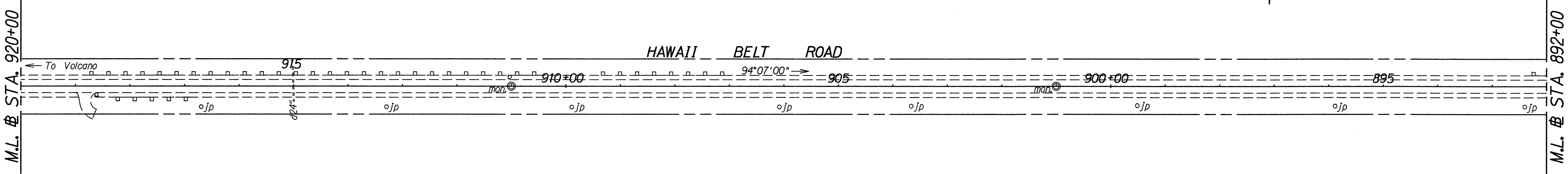
Kahuku to Honuapo

PROJECT NO. 11EF-01-93M

Scale: 1"= 100'
Date: June, 1993
SHEET No. 10 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	21	55

TRUE NORTH
SCALE : 1" = 100'



CURVE DATA	
Δ	16°10'00"
R	12000.00'
T	1704.29'
Lc	3374.72'
C	3385.94'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

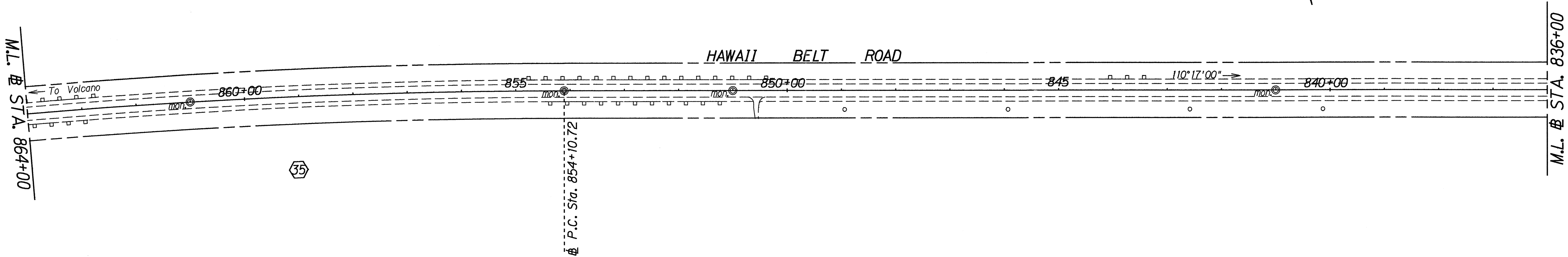
Scale: 1" = 100' Date: June, 1993

SHEET No. 11 OF 17 SHEETS

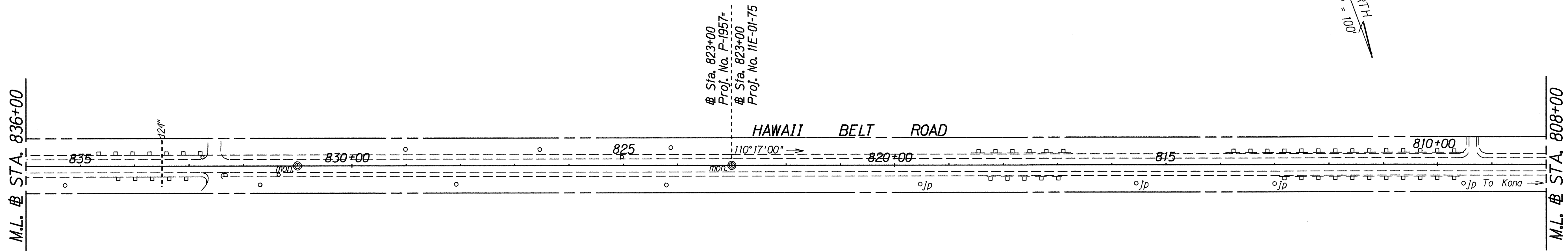
SURVEY PLOTTED BY	DATE
DRAWN BY	4/14/93
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	22	55

TRUE NORTH
SCALE : 1" = 100'



TRUE NORTH
SCALE : 1" = 100'



CURVE DATA	
Δ	16°10'00"
R	12000.00'
T	1704.29'
Lc	3374.72'
C	3385.94'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

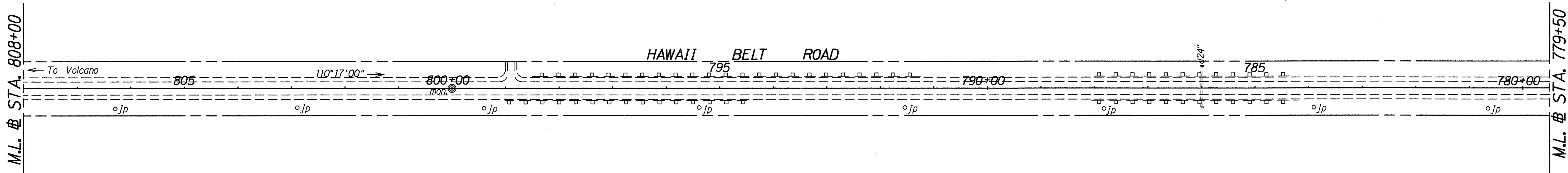
HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

Scale: 1" = 100' Date: June, 1993
SHEET No. 12 OF 17 SHEETS

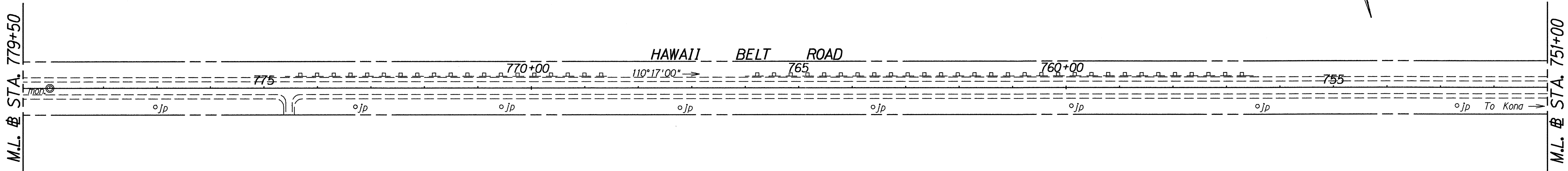
ORIGINAL PLAN	DATE 4/14/93
DESIGNED BY	
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	23	55

TRUE NORTH
SCALE : 1" = 100'



TRUE NORTH
SCALE : 1" = 100'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	3/15/93
N 210001369	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

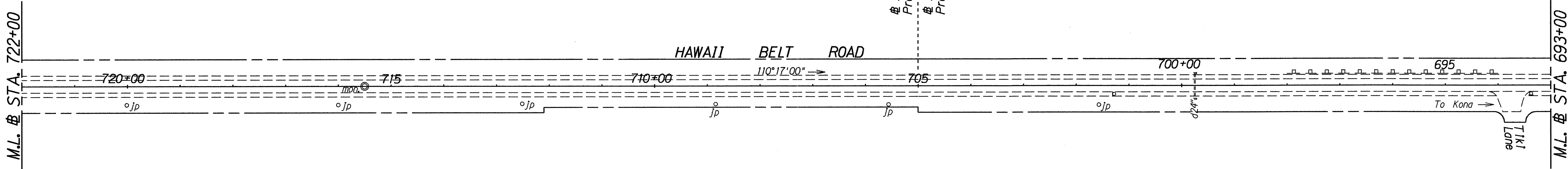
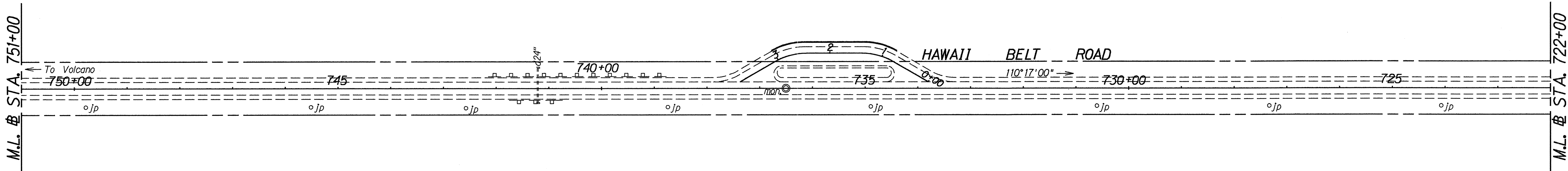
HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

Scale: 1"= 100' Date: June, 1993

SHEET No. 13 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	24	55

TRUE NORTH
SCALE : 1" = 100'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	6/1/93
N 21/21/21/21/21	TRACED BY	
	CHECKED BY	
	QUANTITIES BY	
	NOTES BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

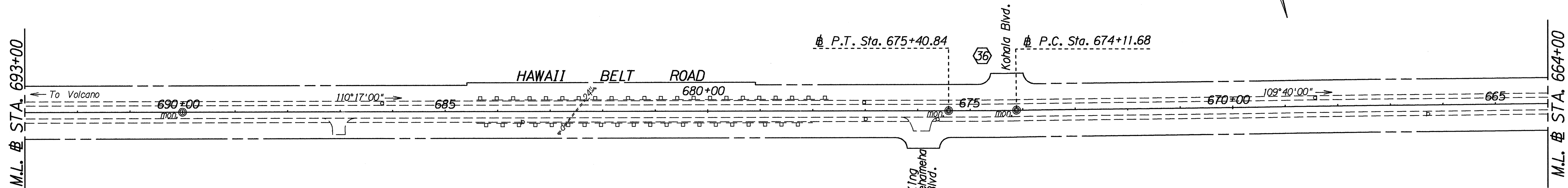
PLAN

HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

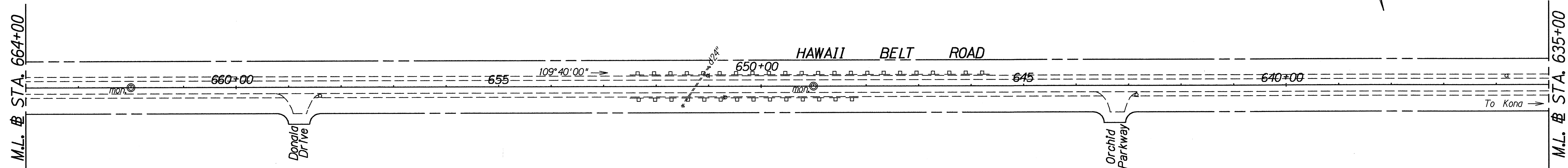
Scale: 1"= 100' Date: June, 1993

SHEET No. 14 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	25	55



TRUE NORTH
SCALE: 1" = 100'



TRUE NORTH
SCALE: 1" = 100'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTES BOOK	DRAWN BY	6/1/93
	DESIGNED BY	
	CHECKED BY	

# CURVE DATA	
	36
Δ	00°37'00"
R	12000.85'
T	64.58'
Lc	129.16'
C	129.16'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

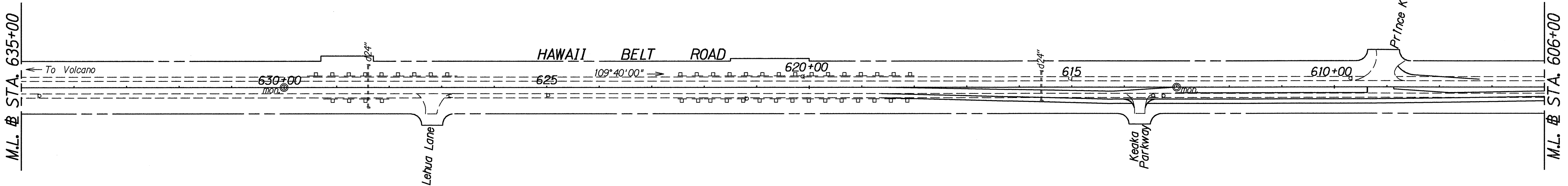
HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

Scale: 1" = 100' Date: June, 1993
SHEET No. 15 OF 17 SHEETS

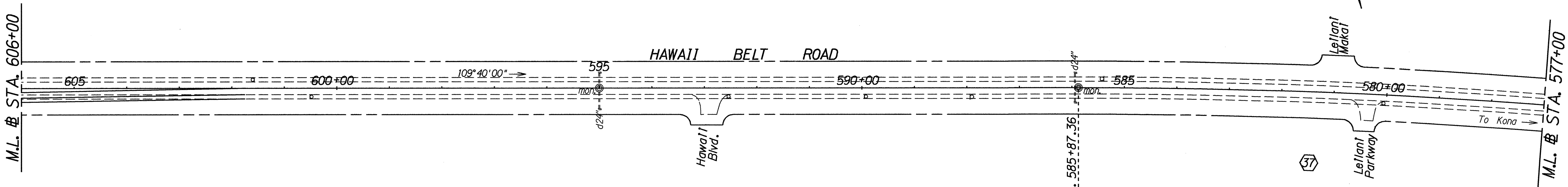
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	26	55

TRUE NORTH
SCALE: 1" = 100'

Sta. 618+62± to Sta. 601+75±
Construct Left Turn Storage Lane.
For details See Plan Sht. No. 10



TRUE NORTH
SCALE: 1" = 100'



CURVE DATA	
Δ	7°08'00"
R	12000.85'
T	748.02'
Lc	1493.14'
C	1494.12'

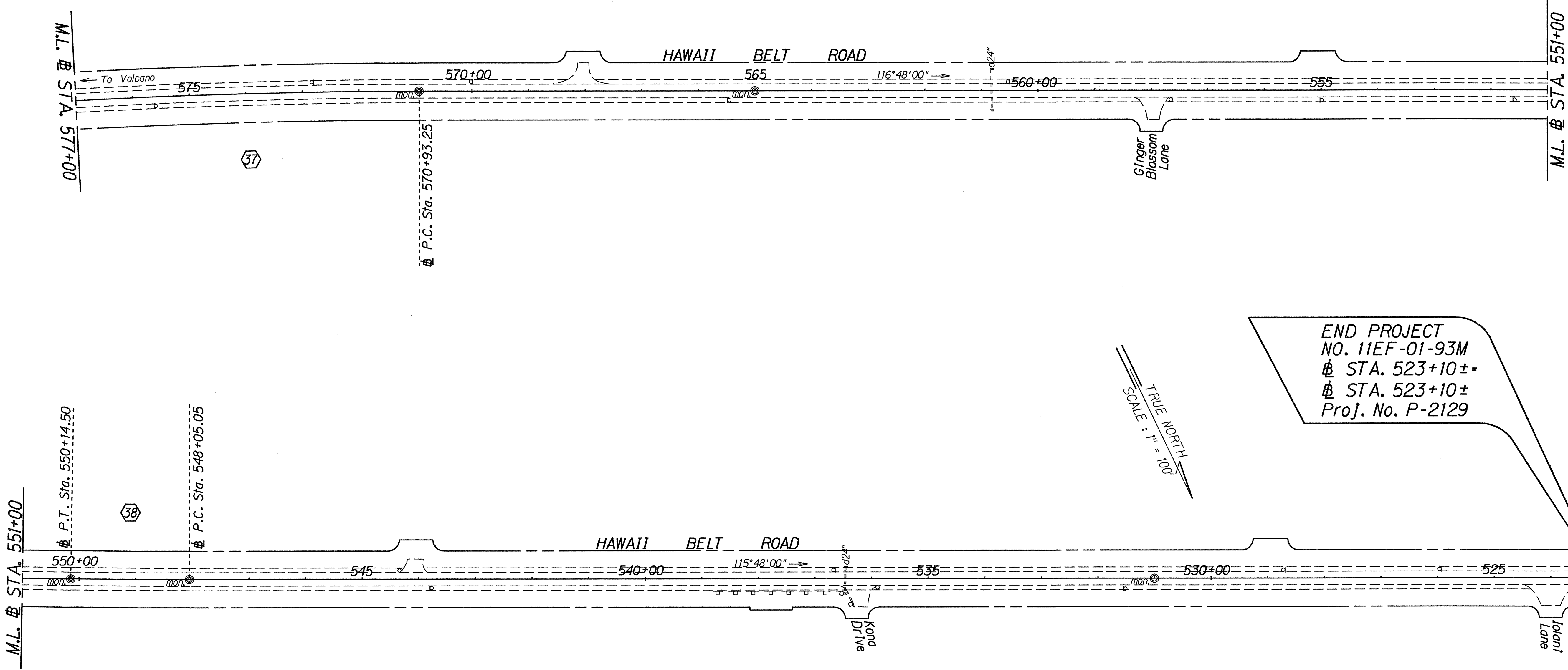
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN

HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

Scale: 1" = 100' Date: June, 1993
SHEET No. 16 OF 17 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	11EF-01-93M	1993	27	55



END PROJECT
NO. 11EF-01-93M
STA. 523+10±
STA. 523+10±
Proj. No. P-2129

# CURVE DATA		
	#37	#38
Δ	7°08'00"	1°00'00"
R	12000.85'	12000.85'
T	748.02'	104.74'
Lc	1493.14'	209.45'
C	1494.12'	209.45'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN
HAWAII BELT ROAD RESURFACING
Kahuku to Honuapo
PROJECT NO. 11EF-01-93M

Scale: 1"= 100' Date: June, 1993
SHEET No. 17 OF 17 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	6/1/93
	DESIGNED BY	
	CHECKED BY	