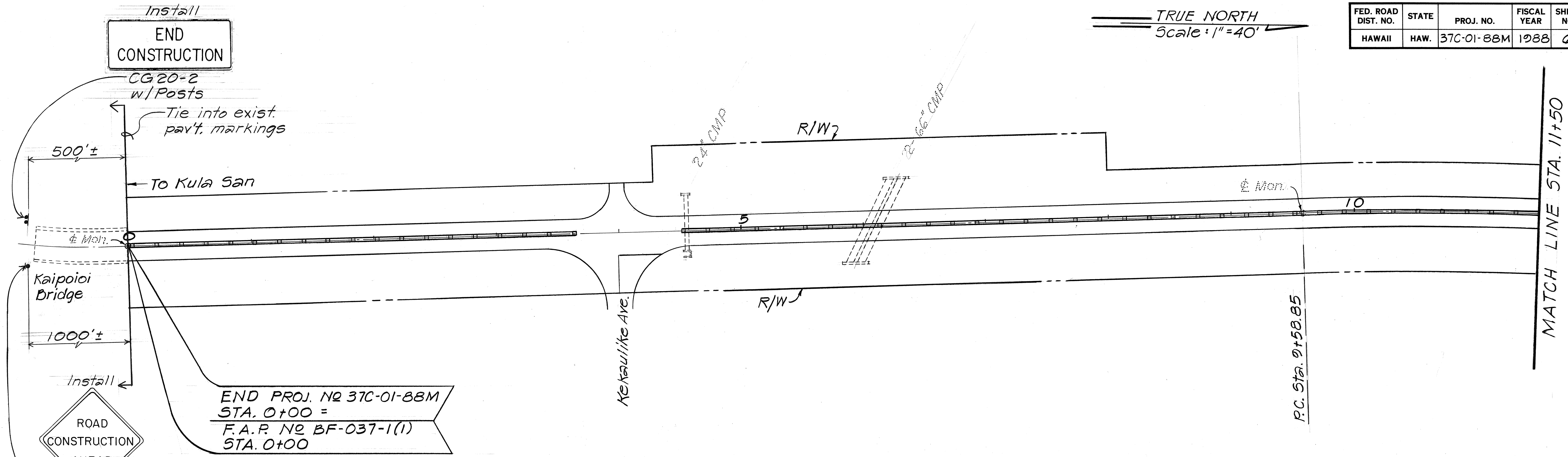
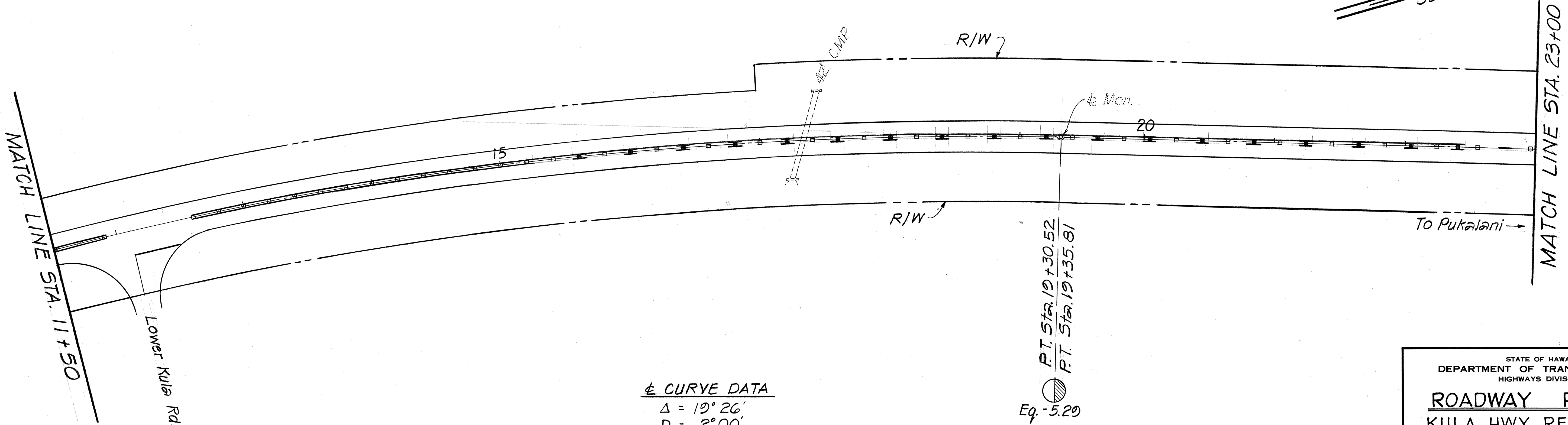


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	6	17

TRUE NORTH
Scale: 1"=40'



TRUE NORTH
Scale: 1"=40'



± CURVE DATA

Δ = 19° 26'
D = 2° 00'
R = 2864.79
T = 400.55
L = 267.02
SE = 0.046'/ft.

P.T. Sta. 19+30.52
P.T. Sta. 19+35.81
Eq. -5.20

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

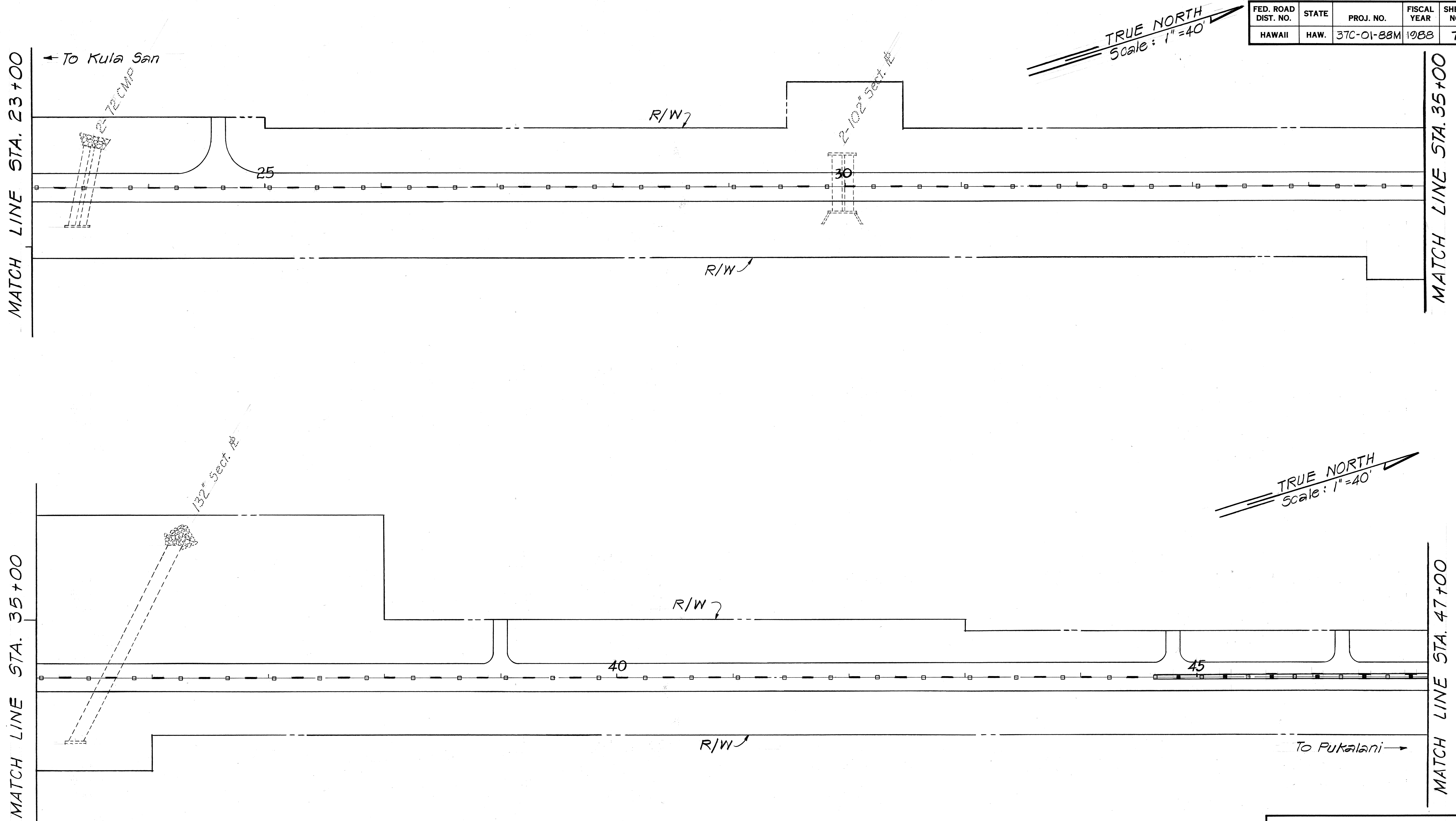
ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M

SCALE: AS SHOWN DATE: MAR. 1988
SHEET No. 1 OF 12 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	7	17



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.

PROJ. NO. 37C-01-88M

SCALE: AS SHOWN DATE: MAR. 1988

SHEET No. 2 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	8	17

TRUE NORTH
1" = 4

TRUL
scale: 1"=40'

MATCH LINE STA. 47+00

← To Kula Sarn

48° CMP

Nazare Rd.

R/W -

50

5.5

R/W ✓

00* Sect. 1

MATCH LINE STA. 59+50

TRUE NORTH
Scale: 1" = 40

Scale: 1" = 40'

MATCH LINE STA. 59+50

P.C. Sta. 61+13.66

→ R/W

65

R/W

£ CURVE DATA

$$\begin{aligned} \Delta &= 16^{\circ} 06' \\ D &= 2^{\circ} 00' \\ R &= 2864.79 \\ T &= 405.17 \\ L &= 805.00 \\ C &= 802.35 \\ S.E. &= .046/\text{ft.} \end{aligned}$$

Eq. - 3.90

$$\frac{P.T. \text{ Sta. } 69 + 22.56}{P.T. \text{ Sta. } 69 + 18.66}$$

102" Sect. 4

MATCH LINE STA.

70

de Mor

To Pukalani →

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M

SCALE: AS SHOWN DATE: MAR. 1988

SHEET NO. 3 OF 12 SHEETS

SCALE: AS SHOWN DATE: MAR. 1988

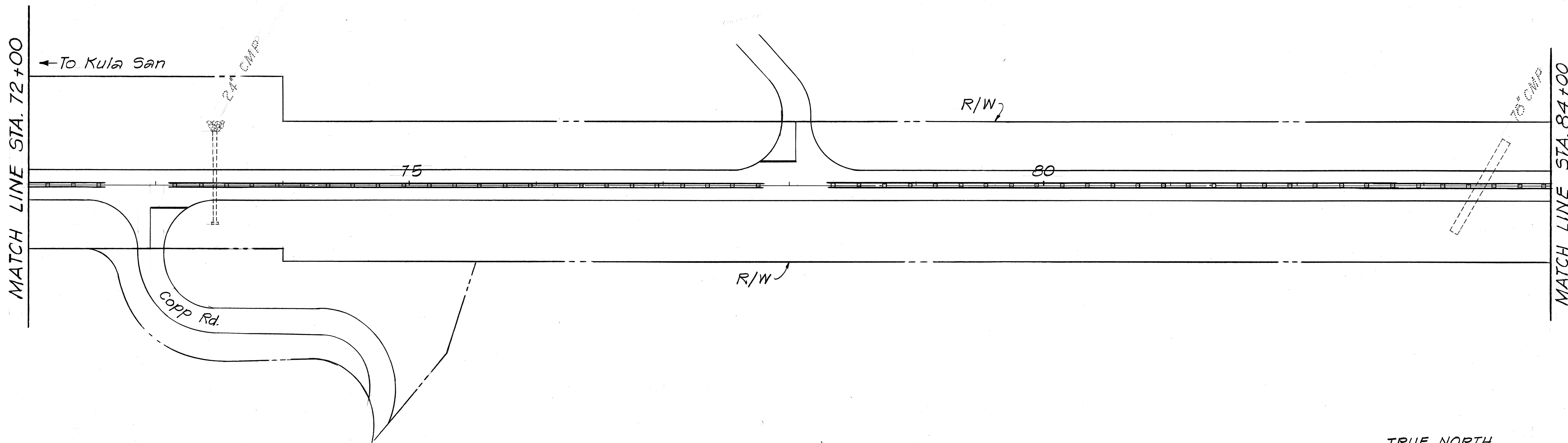
SHEET No. 3 OF 12 SHEETS

8

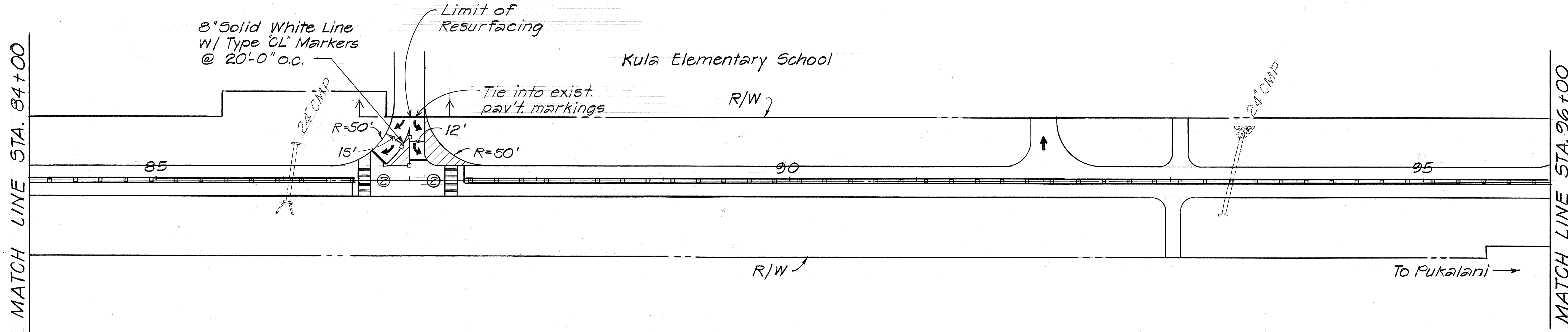
KULA HWY RESURF

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	9	17

TRUE NORTH
Scale: 1"=40'



TRUE NORTH
Scale: 1"=40'



ORIGINAL PLAN	DATE
DESIGNED BY	
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

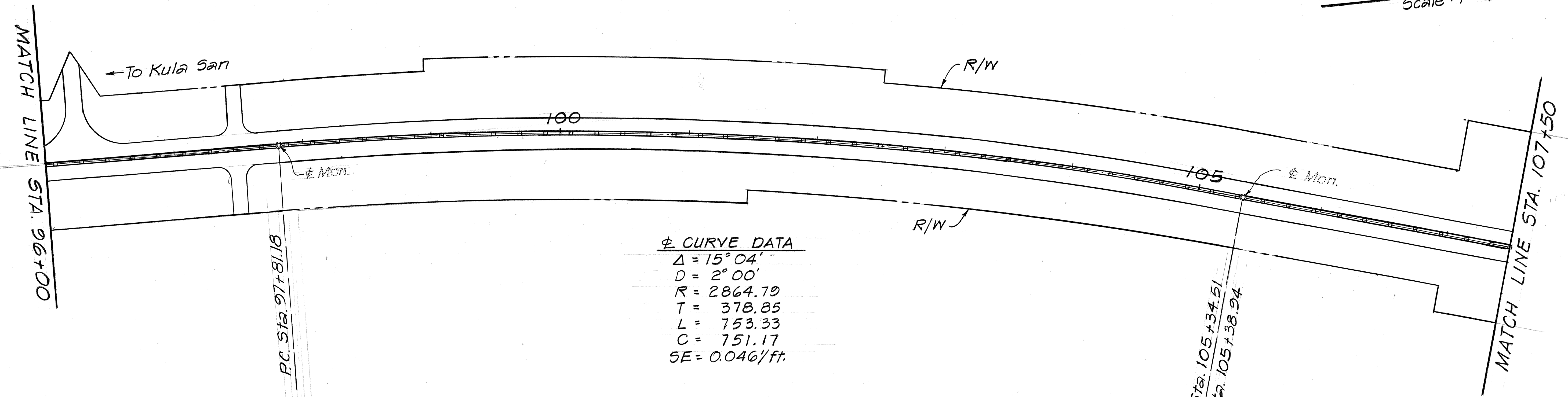
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M

SCALE: AS SHOWN DATE: MAR. 1988
SHEET No. 4 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	10	17

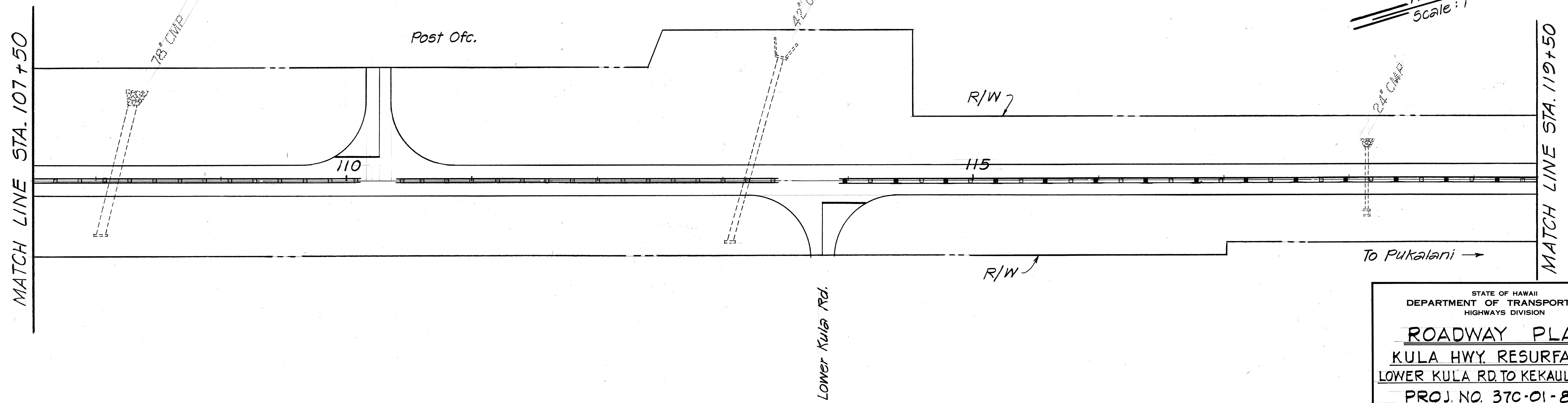
TRUE NORTH
Scale: 1" = 40'



CL CURVE DATA
 $\Delta = 15^{\circ} 04'$
 $D = 2^{\circ} 00'$
 $R = 2864.79$
 $T = 378.85$
 $L = 753.33$
 $C = 751.17$
 $SE = 0.046/\text{ft.}$

P.I. Sta. 105+34.51
P.T. Sta. 105+38.94
Eq. -4.43

TRUE NORTH
Scale: 1" = 40'

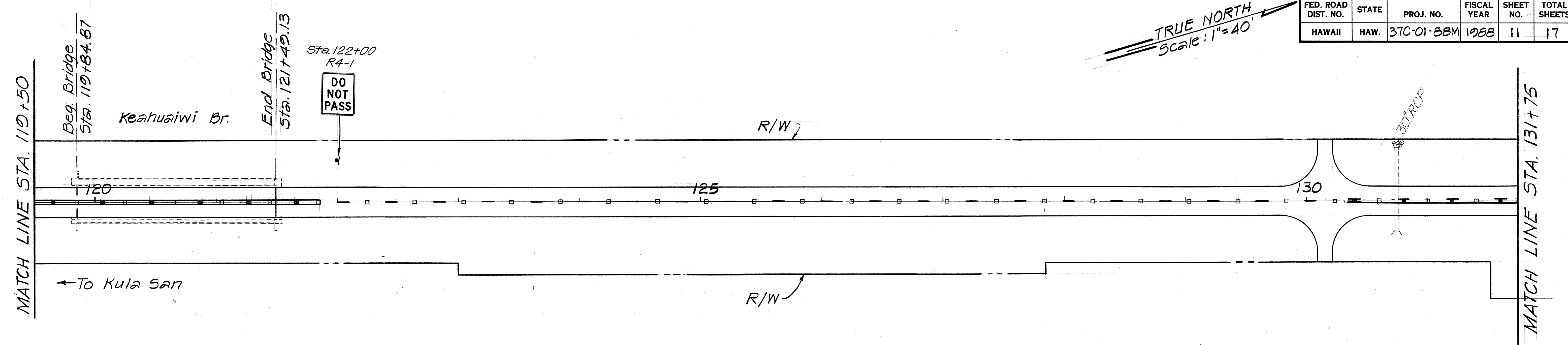


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M
SCALE: AS SHOWN DATE: MAR. 1988
SHEET No. 5 OF 12 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

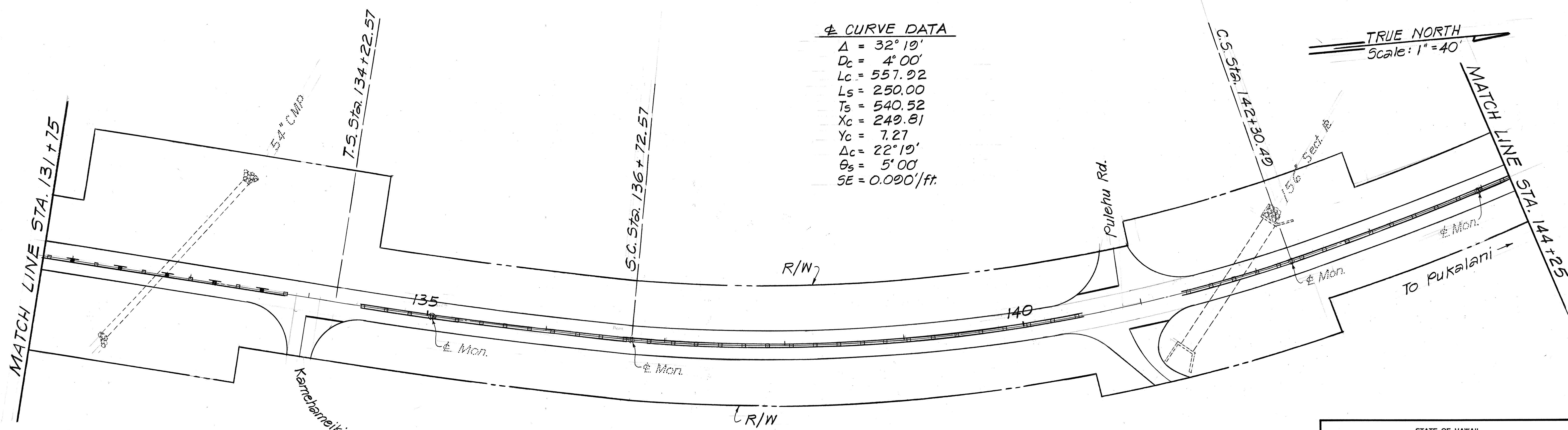
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	11	17

TRUE NORTH
Scale: 1" = 40'



± CURVE DATA
 $\Delta = 32^\circ 19'$
 $D_c = 4' 00''$
 $L_c = 557.92$
 $L_s = 250.00$
 $T_s = 540.52$
 $X_c = 249.81$
 $Y_c = 7.27$
 $\Delta_c = 22^\circ 19'$
 $\theta_s = 5' 00''$
 $SE = 0.0000/\text{ft.}$

TRUE NORTH
Scale: 1" = 40'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M

SCALE: AS SHOWN DATE: MAR. 1988
 SHEET No. 6 OF 12 SHEETS

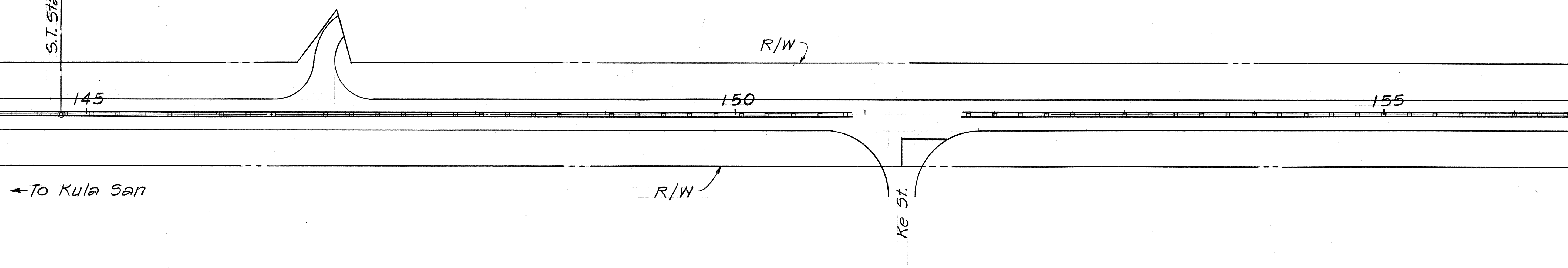
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	12	17

TRUE NORTH
Scale: 1"=40'

MATCH LINE STA. 144+25

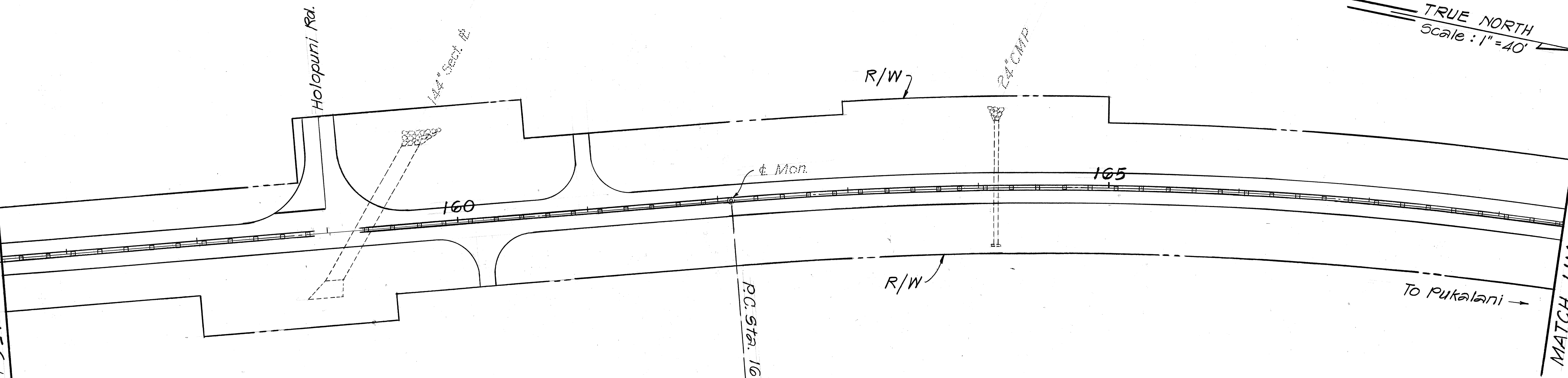
S.T. Sta. 144+80.49



MATCH LINE STA. 156+50

TRUE NORTH
Scale: 1"=40'

MATCH LINE STA. 156+50



MATCH LINE STA. 168+50

ORIGINAL PLAN	DATE
NOTED BY	
DESIGNED BY	
CHECKED BY	

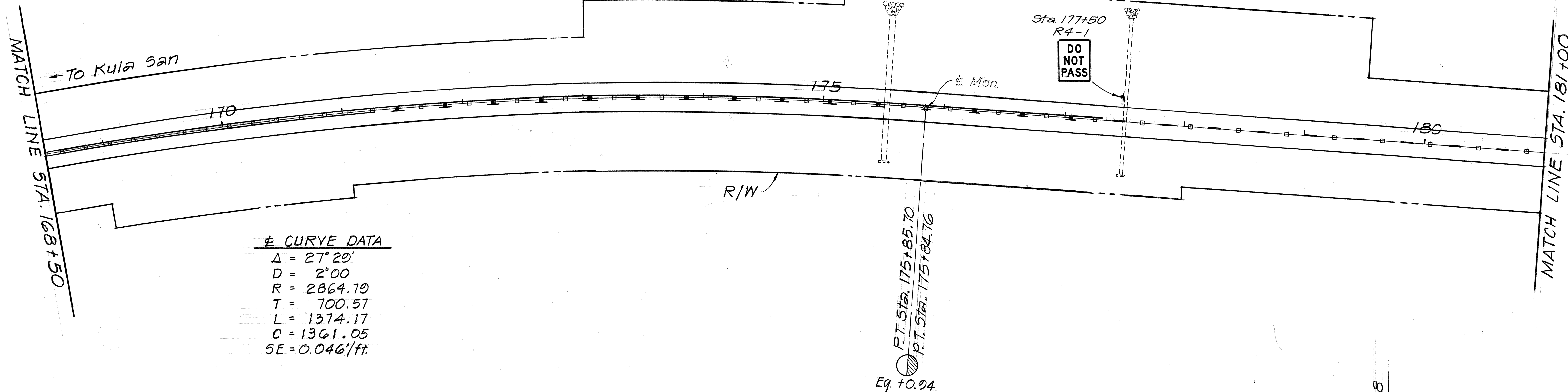
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M

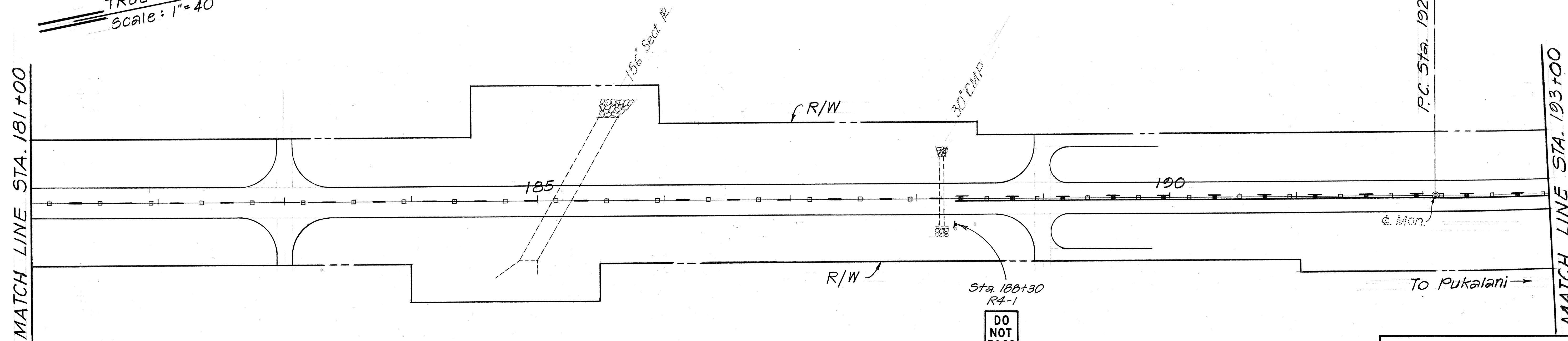
SCALE: AS SHOWN DATE: MAR. 1988
SHEET No. 7 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	13	17

TRUE NORTH
Scale: 1"=40'



TRUE NORTH
Scale: 1"=40'



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

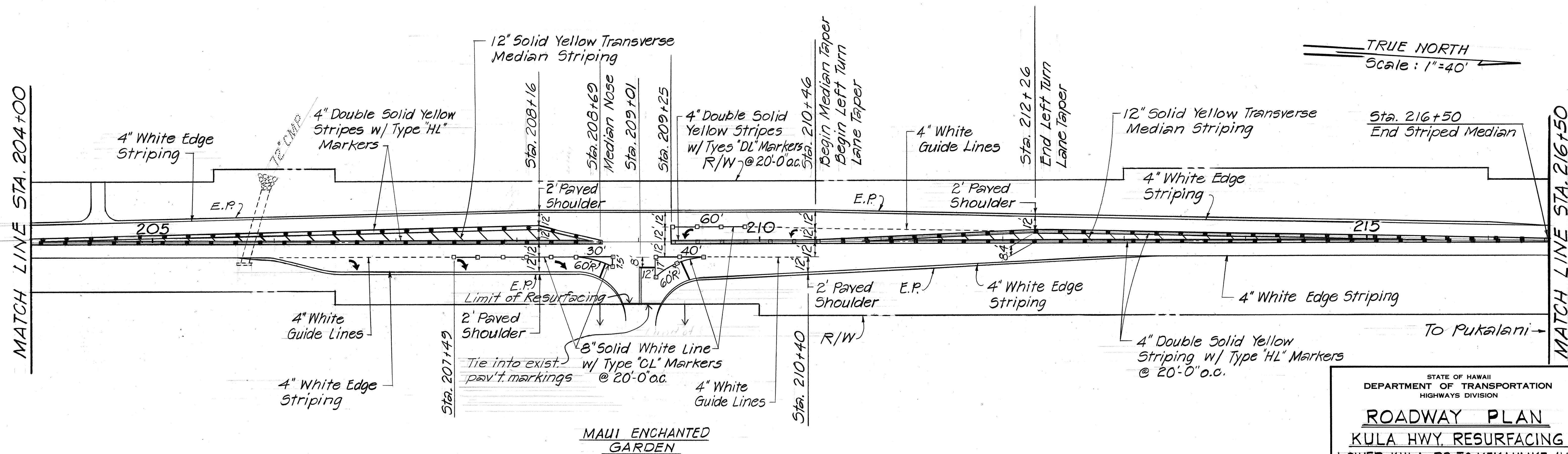
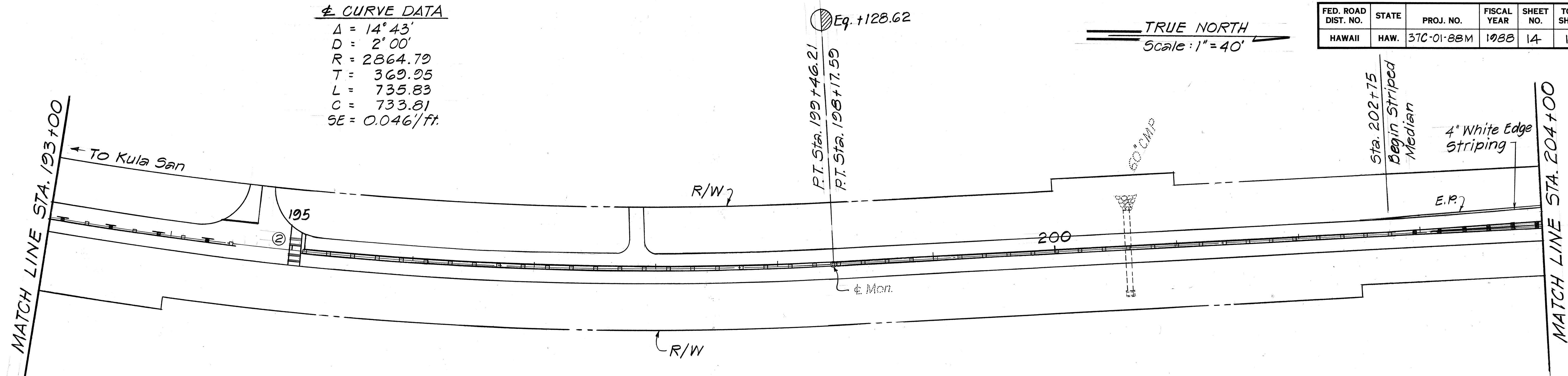
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M

SCALE: AS SHOWN DATE: MAR. 1988
SHEET No. 8 OF 2 SHEETS

$$\begin{aligned} \Delta &= 14^{\circ} 43' \\ D &= 2^{\circ} 00' \\ R &= 2864.79 \\ T &= 369.95 \\ L &= 735.83 \\ C &= 733.81 \\ SE &= 0.046'/ft. \end{aligned}$$

Scale: 1" = 40'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M

SCALE: AS SHOWN DATE: MAR. 1988
SHEET No. 9 OF 2 SHEETS

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

MATCH LINE STA. 216+50

MATCH LINE STA. 229+00

← To Kula San

220

225

R/W₂

R/W

Omāpio

54° CMP

TRUE NORTH
Scale: 1" = 40'

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	15	17

MATCH LINE STA. 229+00

TRUE NORTH
Scale: 1" = 40'

230

235

240

R/W₂

R/W

36° CMP

→ To Pukalani

MATCH LINE STA. 241+50

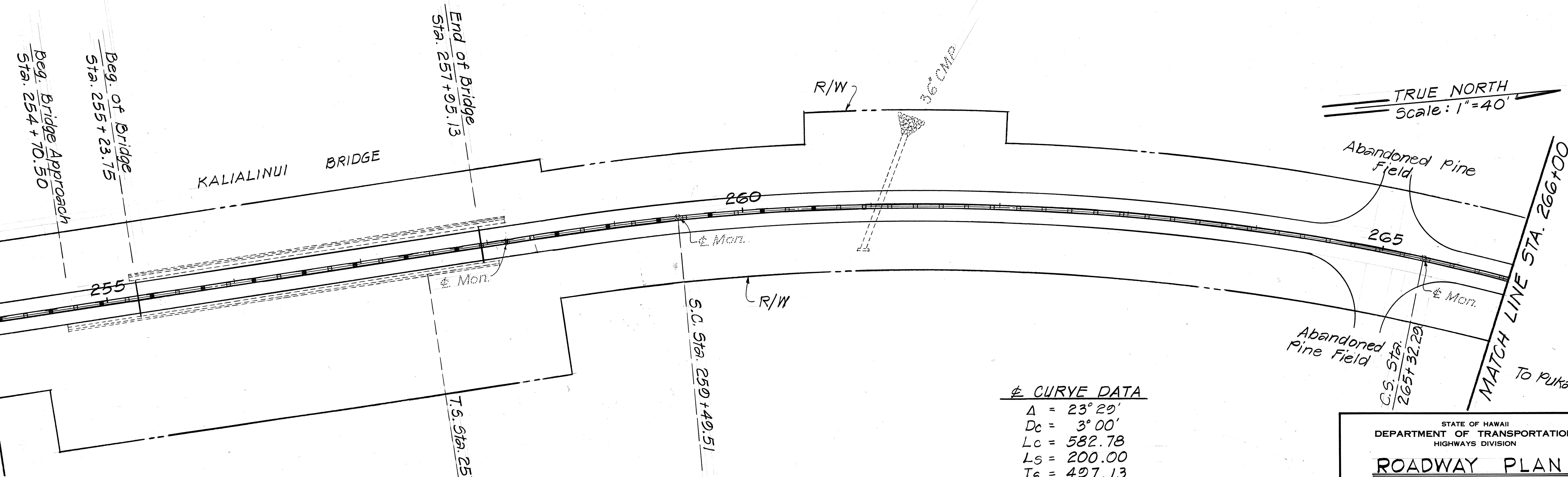
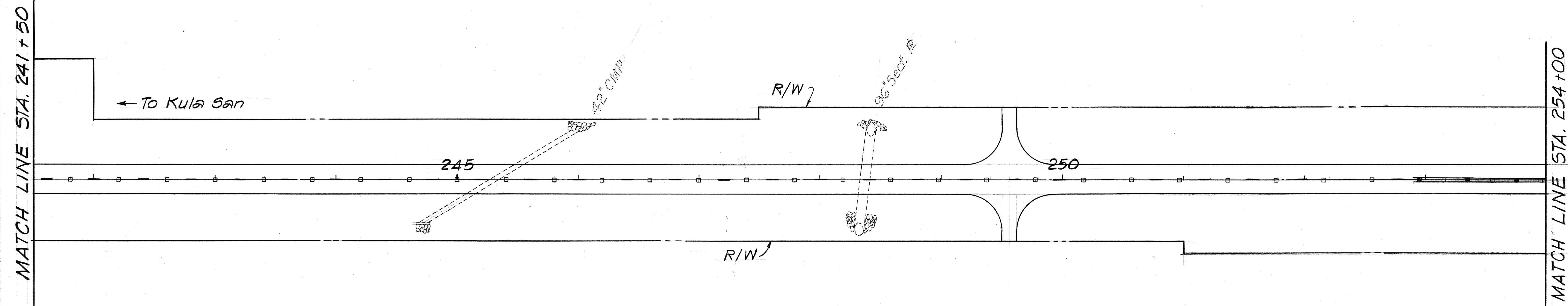
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M

SCALE: AS SHOWN DATE: MAR. 1988
SHEET No. 10 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	37C-01-88M	1988	16	17

TRUE NORTH
Scale: 1"=40'



± CURVE DATA

Δ	=	23° 29'
D_c	=	3° 00'
L_c	=	582.78
L_s	=	200.00
T_s	=	497.13
X_c	=	199.95
Y_c	=	3.49
Δ_c	=	17° 29'
θ_s	=	3° 00'
SE	=	0.070'/ft.

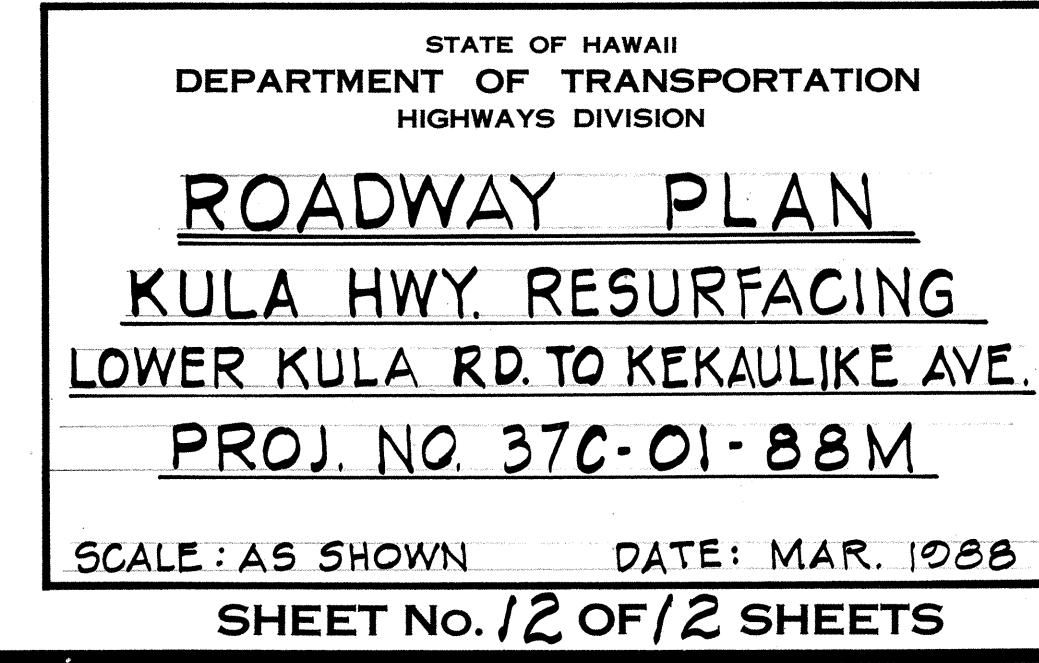
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KULA HWY. RESURFACING
LOWER KULA RD. TO KEKAULIKE AVE.
PROJ. NO. 37C-01-88M

SCALE: AS SHOWN DATE: MAR. 1988
SHEET No. 11 OF 12 SHEETS

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

TRUE NORTH
Scale: 1" = 40'



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