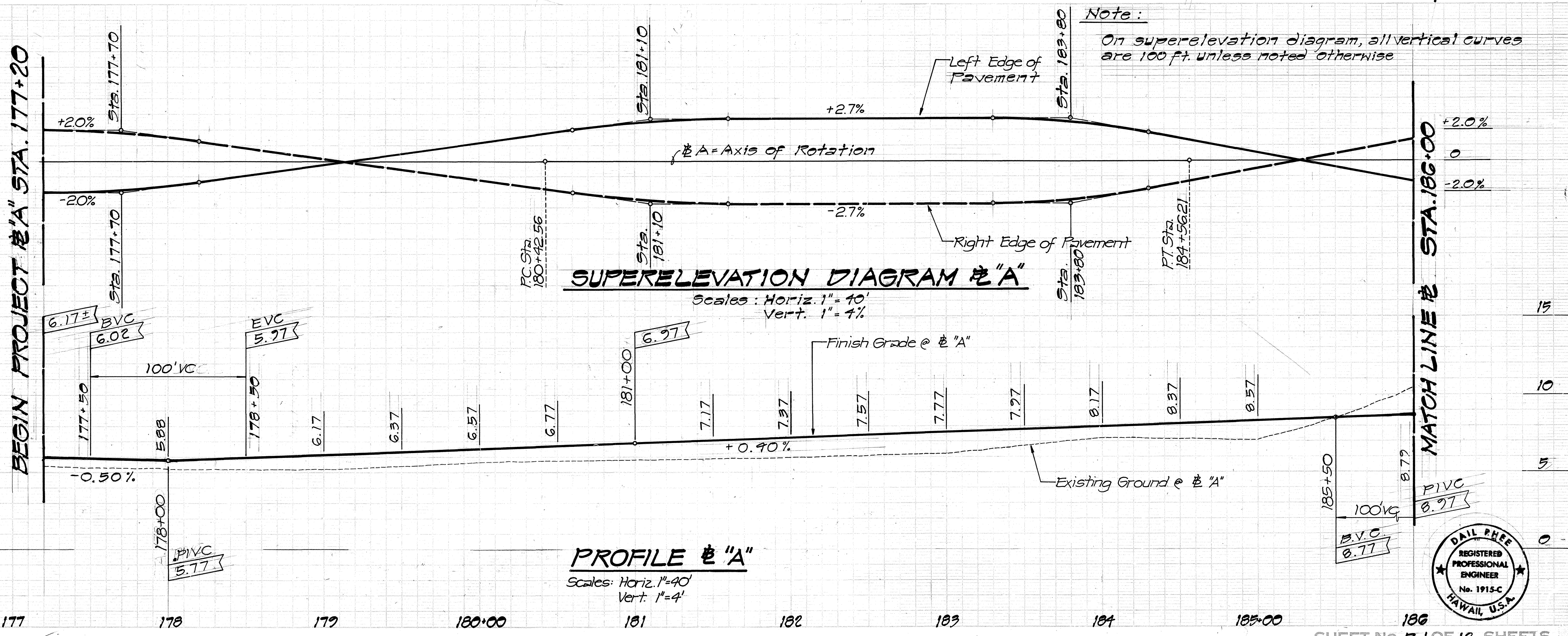
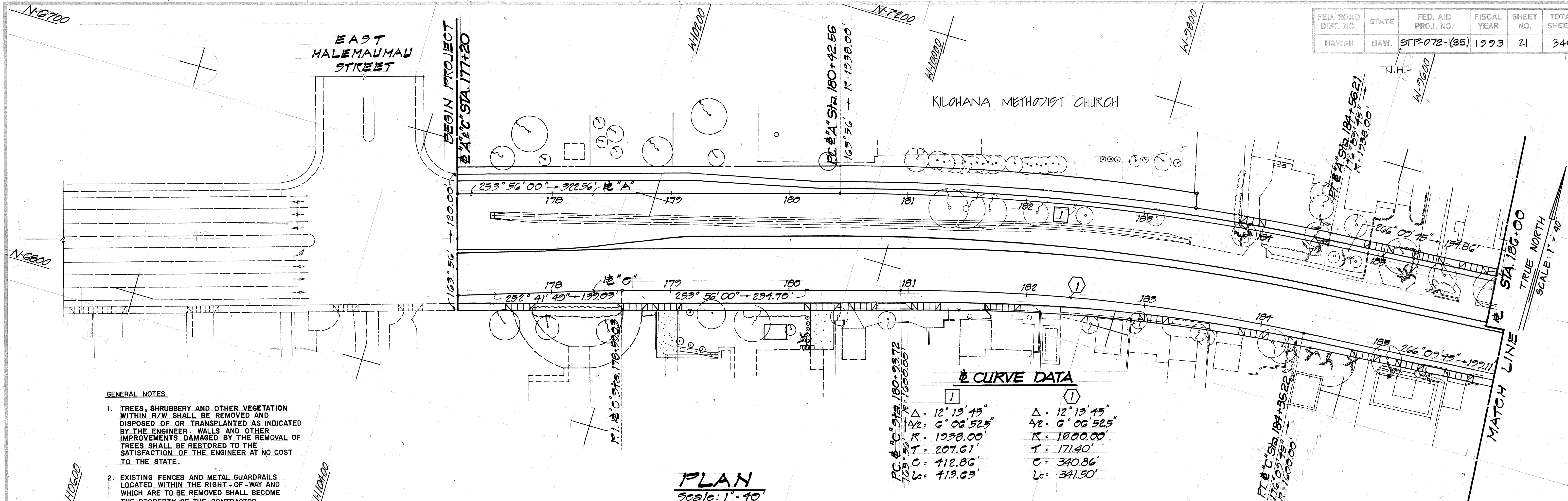


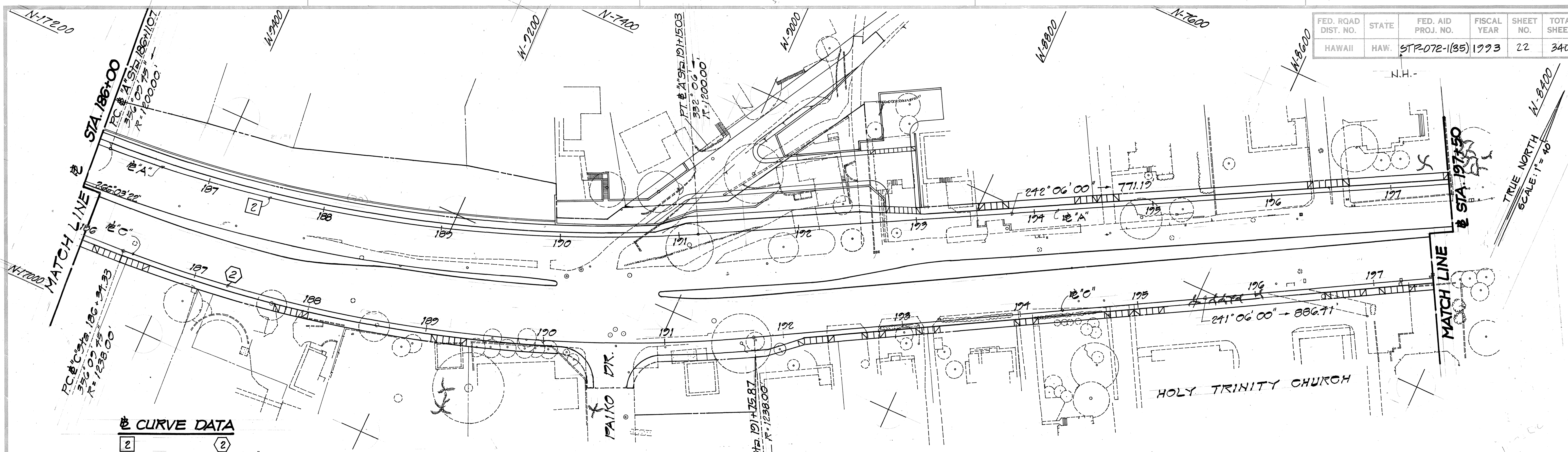
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(35)	1993	21	340



SURVEY PLOTTED BY	DATE
DESIGNED BY	10/12
NOTED BY	
CHECKED BY	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STR-072-1(35)	1993	22	340



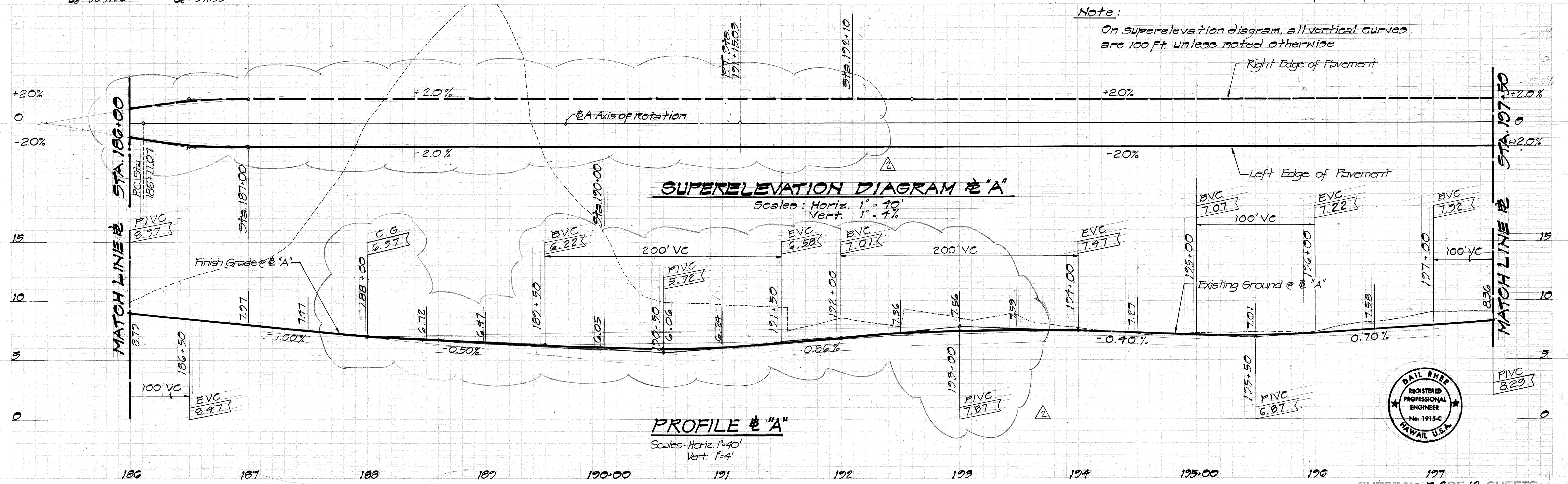
CURVE DATA

1	2
$\Delta = 24^{\circ}03'45''$	$\Delta = 29^{\circ}03'45''$
$\Delta/2 = 12^{\circ}01'52.5''$	$\Delta/2 = 14^{\circ}31'52.5''$
$R = 1800.00'$	$R = 1238.00'$
$T = 255.75'$	$T = 275.17'$
$C = 500.27'$	$C = 537.22'$
$L_c = 303.76'$	$L_c = 541.53'$

PLAN
Scale: 1" = 40'

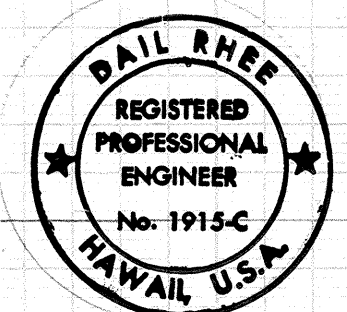
C.O. #2	
DATE	REVISION

Note:
On superlevation diagram, all vertical curves are 100 ft. unless noted otherwise



SUPERELEVATION DIAGRAM "A"

PROFILE "A"



ORIGINAL PLAN	DATE
DESIGNED BY	7-7-83
NOTED BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(35)	1993	23	340

CURVE DATA

$\Delta = 1^\circ 24' 00''$	$\Delta = 1^\circ 24' 00''$
$42 = 2^\circ 12' 00''$	$42 = 2^\circ 12' 00''$
$R = 5687.00'$	$R = 5763.00'$
$T = 218.77'$	$T = 221.30'$
$O = 436.62'$	$O = 442.46'$
$Lc = 136.73'$	$Lc = 142.57'$

CURVE DATA

$\Delta = 18^\circ 04' 00''$	$\Delta = 18^\circ 04' 00''$
$42 = 9^\circ 02' 00''$	$42 = 9^\circ 02' 00''$
$R = 1038.00'$	$R = 980.00'$
$T = 105.02'$	$T = 146.26'$
$O = 325.95'$	$O = 288.90'$
$L = 327.31'$	$L = 290.10'$

PLAN

Scale: 1" = 40'

SUPERELEVATION DIAGRAM #A

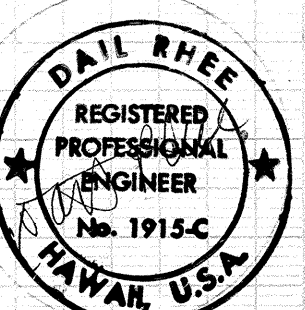
SCALE: HORIZ: 1" = 40'
VERT: 1" = 4%

Finish Grade #A

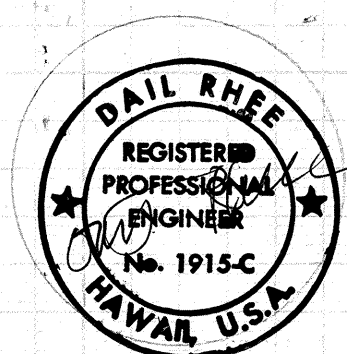
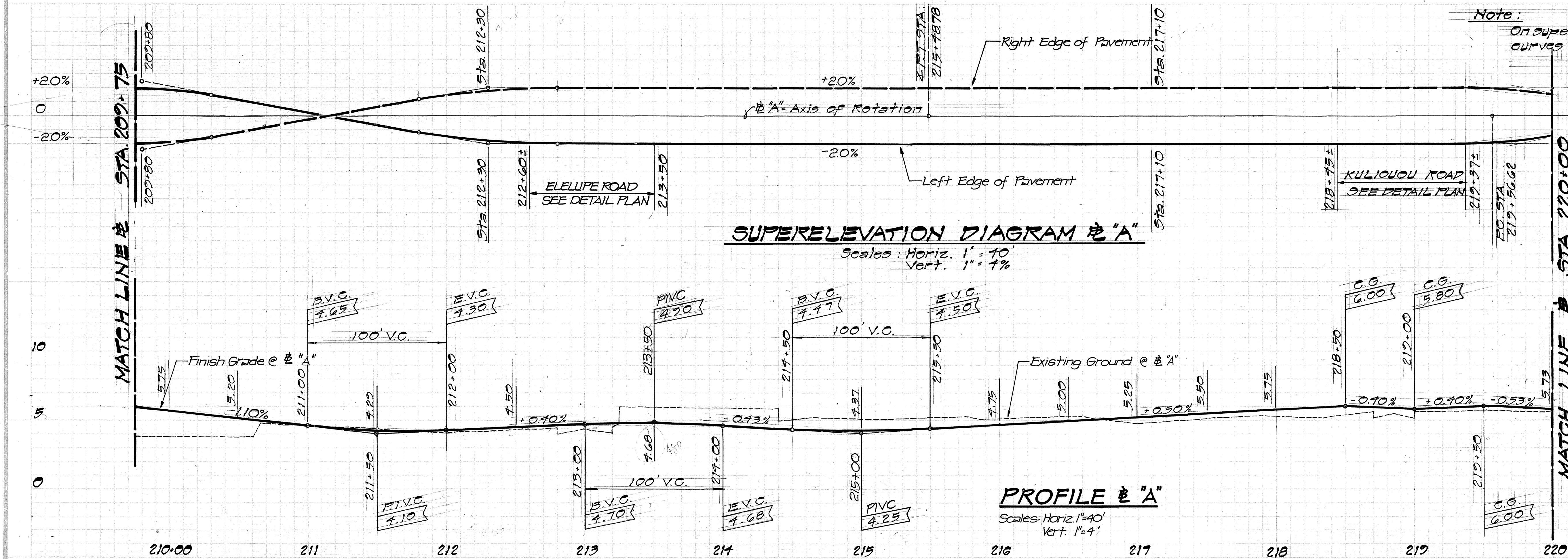
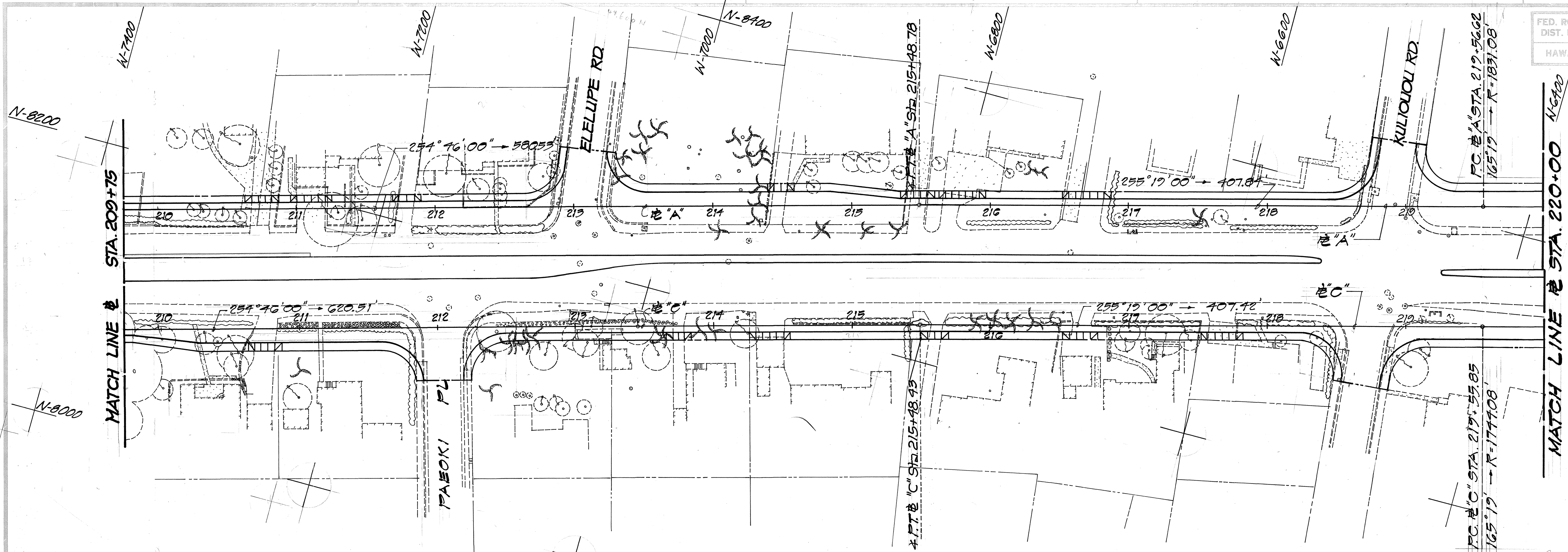
PROFILE #A

Scales: Horiz: 1" = 40'
Vert: 1" = 4'

Note: On Superelevation diagram, all vertical curves are 100 ft. Unless noted otherwise



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STR072-1(35)	1993	24	340



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(35)	1993	25	340

N.H.

Note:
On superelevation diagram, all vertical curves are 100 ft. unless noted otherwise

BEGIN PROJECT @ "C" STA. 177+20

MATCH LINE @ "C" STA. 186+00

SUPERELEVATION DIAGRAM @ "C"

Scales: Horiz. 1" = 40'
Vert. 1" = 4'

PROFILE @ "C"

Scales: Horiz. 1" = 40'
Vert. 1" = 4'

DATE	REVISION
	C.O. #2

MATCH LINE @ "C" STA. 186+00

MATCH LINE @ "C" STA. 197+50

SUPERELEVATION DIAGRAM @ "C"

Scales: Horiz. 1" = 40'
Vert. 1" = 4'

PROFILE @ "C"

Scales: Horiz. 1" = 40'
Vert. 1" = 4'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PROFILE & SUPERELEVATION
@ "C" STA. 177+20 TO 197+50

KALANIANA'OLE HIGHWAY
E. HALEMAUMAU ST. TO KEAHOLE ST.

F.A. PROJECT NO. NH-STP-072-1(35)

Scale: Date: 10/1/92

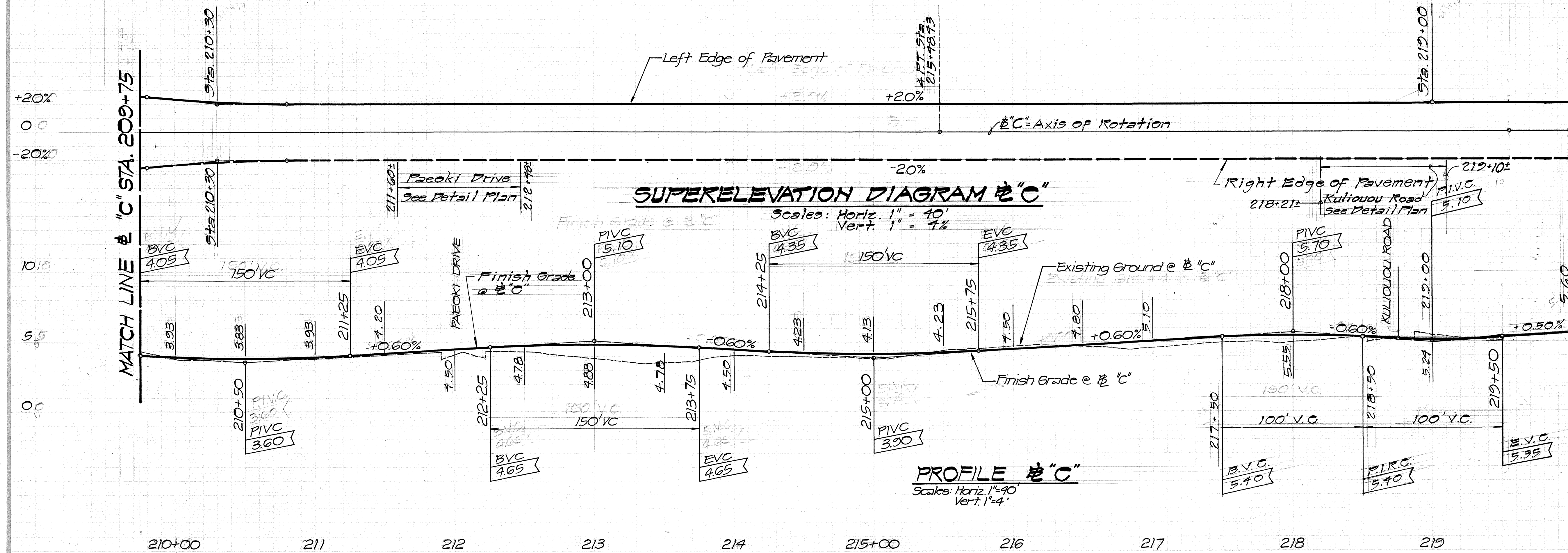
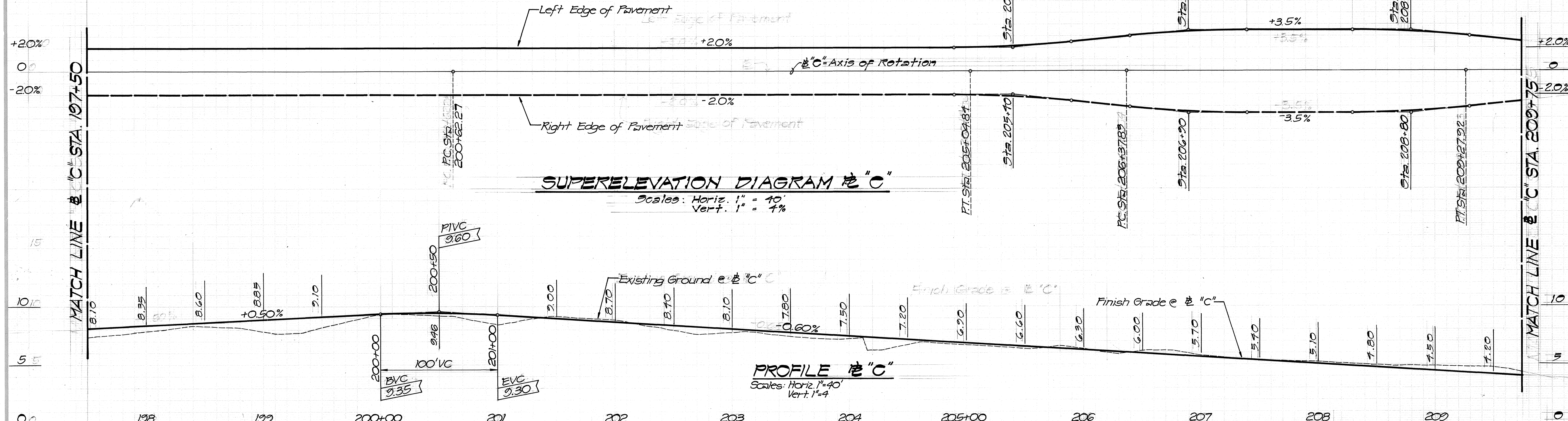
SHEET No. 25 OF 12 SHEETS

C.O. 25

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP072-1(35)	1993	26	340

Note:
On superelevation diagram, all vertical curves are 100 ft. unless noted otherwise



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PROFILE & SUPERELEVATION
"C" STA. 197+20 TO 220+00**

KALANIANA'OLE HIGHWAY
E. HALEMAUMAU ST. TO KEAHOE ST.
F.A. PROJECT NO. NH-STP-072-1(35)

Scale: Date: 10/1/92

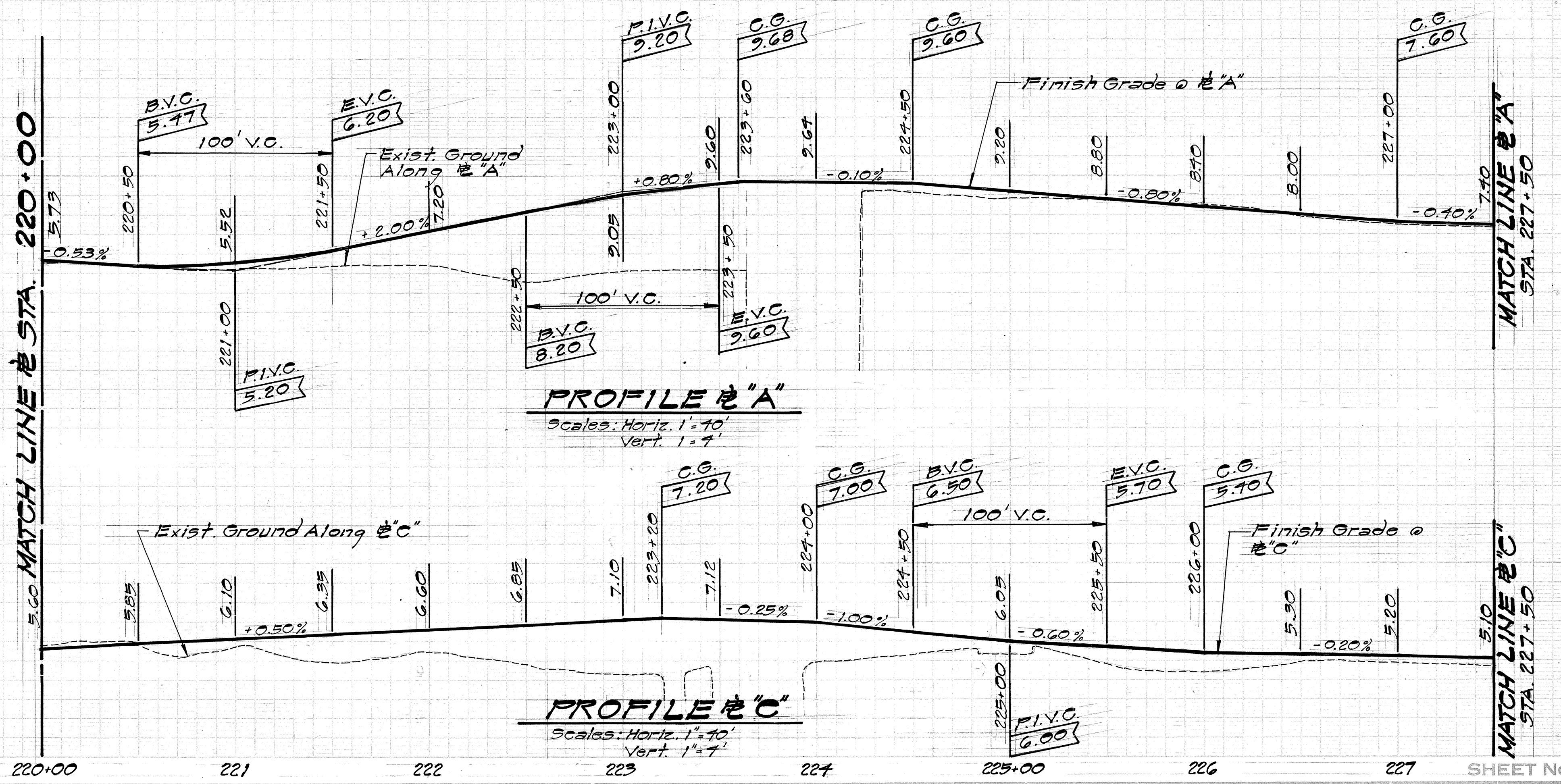
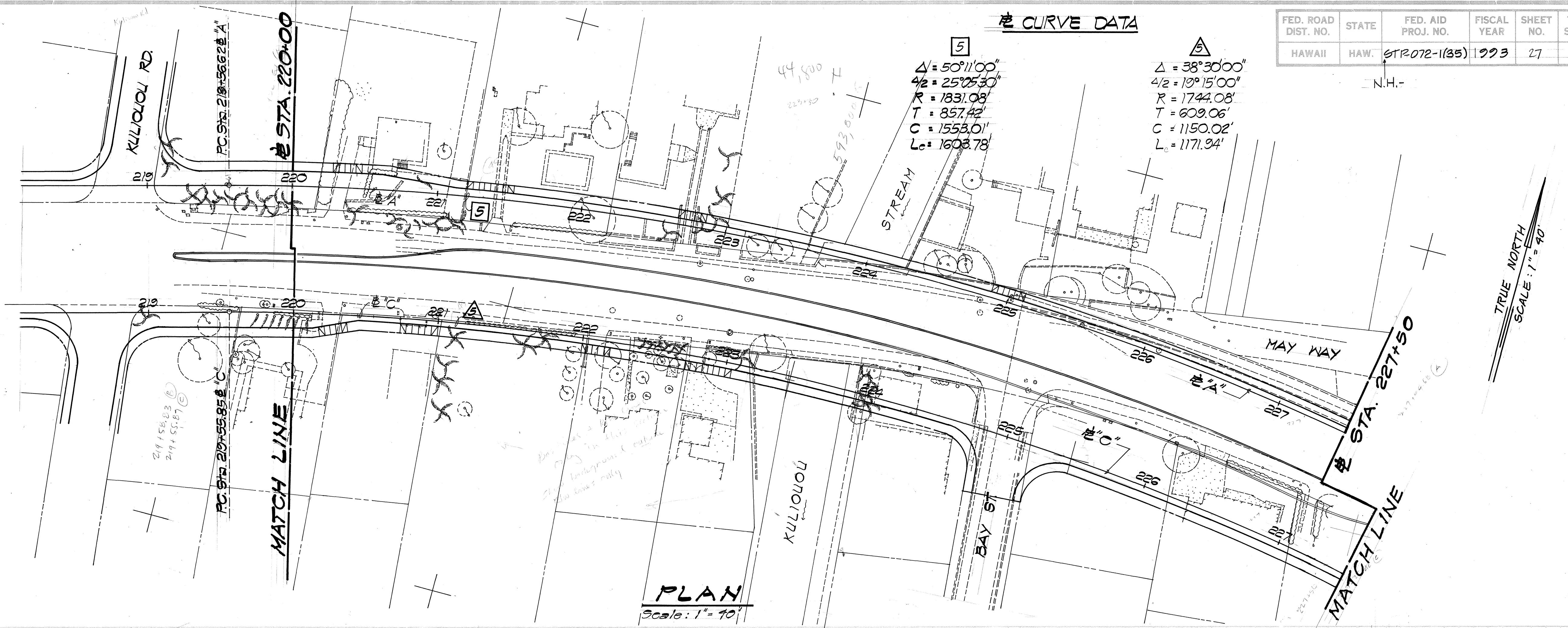
SHEET No. 3 OF 12 SHEETS

ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STR-072-1(35)	1993	27	340

§ CURVE DATA

$\Delta = 50^{\circ}11'00''$ $\frac{\Delta}{2} = 25^{\circ}05'30''$ $R = 1831.08'$ $T = 857.42'$ $C = 1553.01'$ $L_c = 1603.78'$	$\Delta = 38^{\circ}30'00''$ $\frac{\Delta}{2} = 19^{\circ}15'00''$ $R = 1744.08'$ $T = 609.06'$ $C = 1150.02'$ $L_c = 1171.94'$
---	---



7-30-88
 10:00 AM - 4:00 PM
 18-1-88
 10:00 AM - 11:00 AM
 TOTAL HRS = 5 HRS

SURVEY PLOTTED BY: _____
 DESIGNED BY: _____
 TRACED BY: _____
 NOTE BOOK: _____
 QUANTITIES BY: _____
 CHECKED BY: _____

DATE: _____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(35)	1993	28	340

CURVE DATA

5	5	6
$\Delta = 50^{\circ}11'00"$	$\Delta = 38^{\circ}30'00"$	$\Delta = 11^{\circ}41'00"$
$\gamma = 25^{\circ}05'30"$	$\gamma/2 = 19^{\circ}15'00"$	$\gamma/2 = 5^{\circ}50'30"$
$R = 1831.08'$	$R = 1744.08'$	$R = 1213.10'$
$T = 857.72'$	$T = 609.06'$	$T = 124.11'$
$C = 1553.01'$	$C = 1150.02'$	$C = 246.34'$
$L_c = 1603.78'$	$L_c = 1171.94'$	$L_c = 247.37'$

MATCH LINE

MATCH LINE

PLAN

Scale: 1" = 40'

MATCH LINE "A"

STA. 227+50

MATCH LINE "C"

STA. 227+50

PROFILE "A"

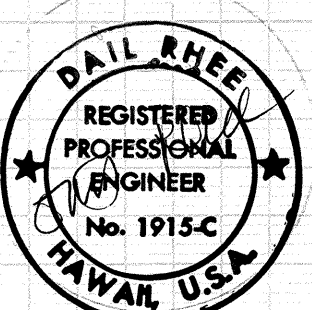
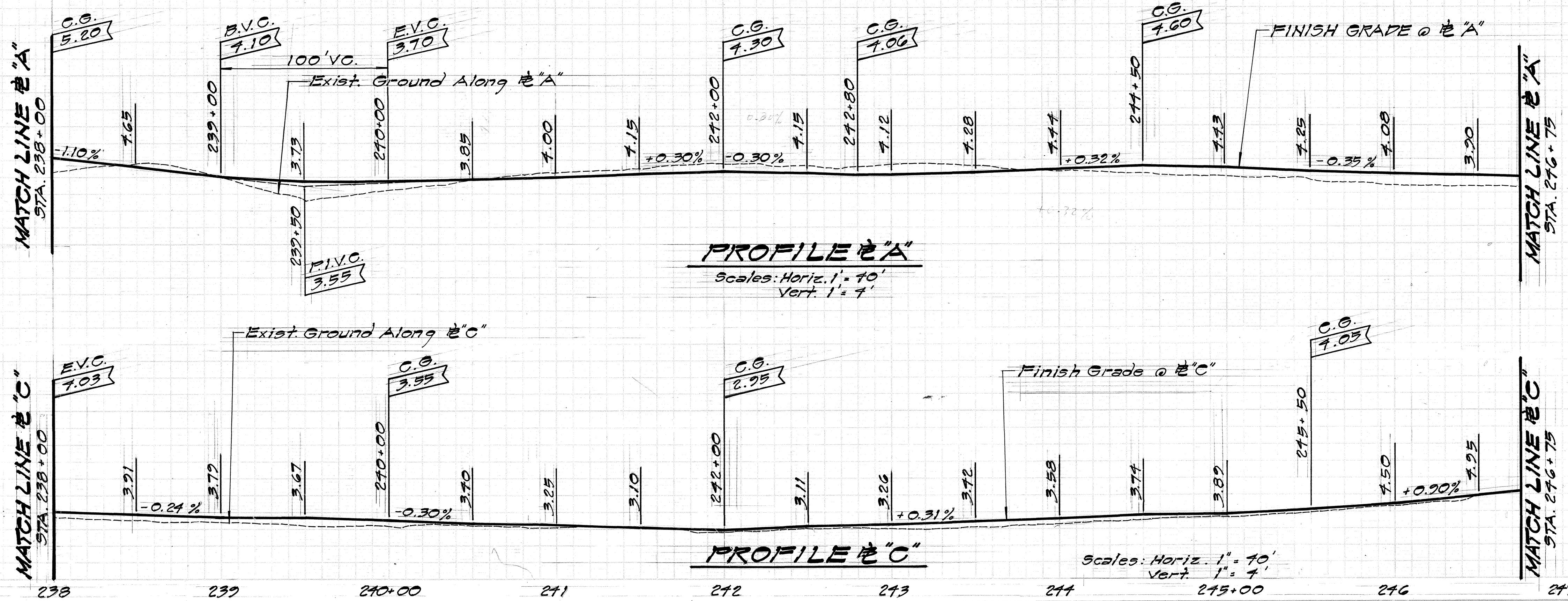
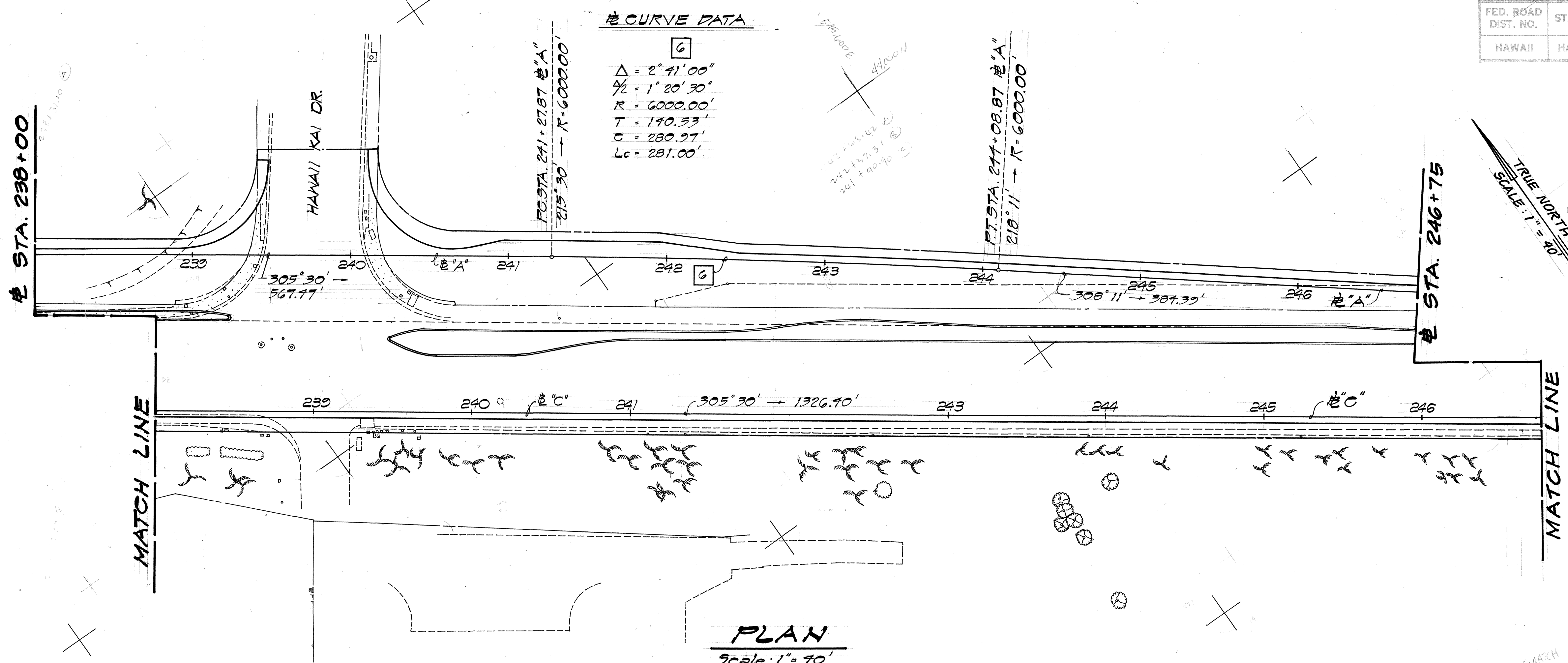
Scales: Horiz. 1" = 40'
Vert. 1" = 4'

PROFILE "C"

Scales: Horiz. 1" = 40'
Vert. 1" = 4'



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(35)	1993	29	340



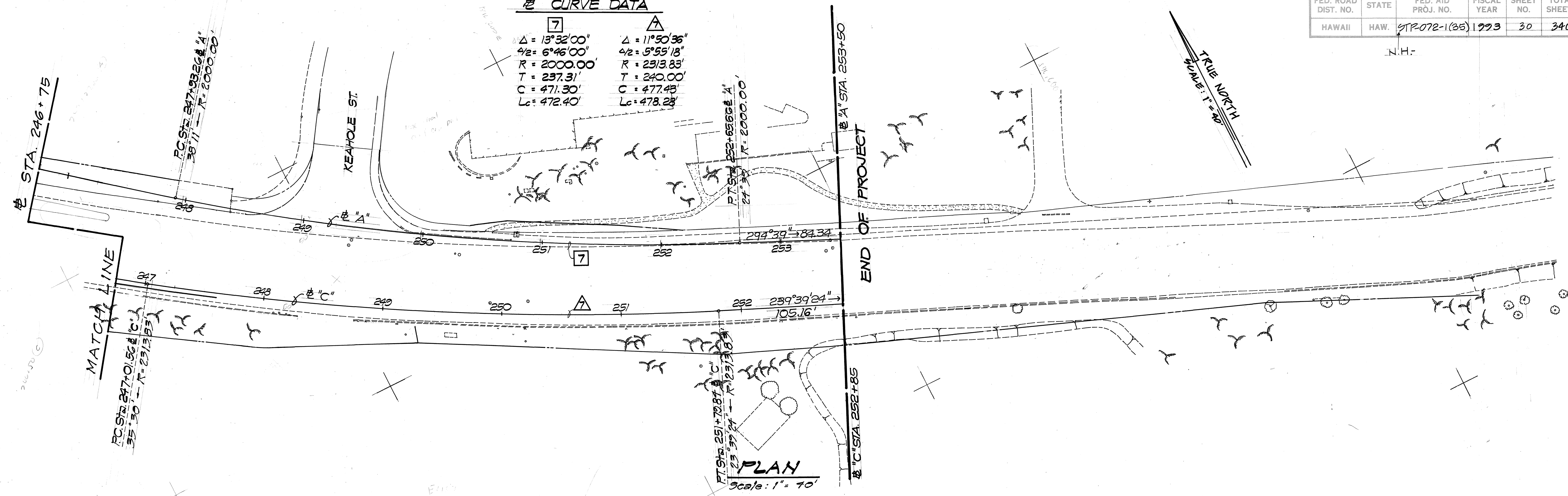
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STR-072-1(35)	1993	30	340

N.H.

TRUE NORTH
SCALE: 1" = 40'

CURVE DATA

7	A
$\Delta = 13^{\circ}32'00"$	$\Delta = 11^{\circ}50'35"$
$4/2 = 6^{\circ}46'00"$	$4/2 = 5^{\circ}55'18"$
$R = 2000.00'$	$R = 2313.83'$
$T = 237.31'$	$T = 240.00'$
$C = 471.30'$	$C = 477.48'$
$L_c = 472.40'$	$L_c = 478.28'$

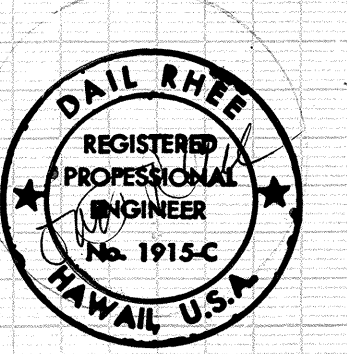
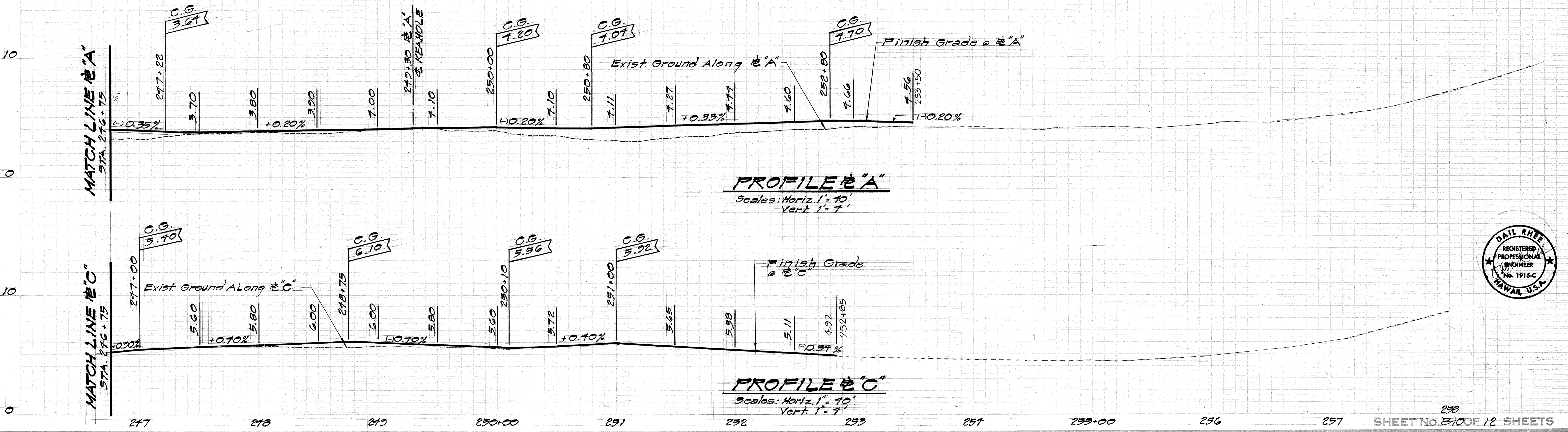


PROFILE A

Scales: Horiz. 1" = 40'
Vert. 1" = 4'

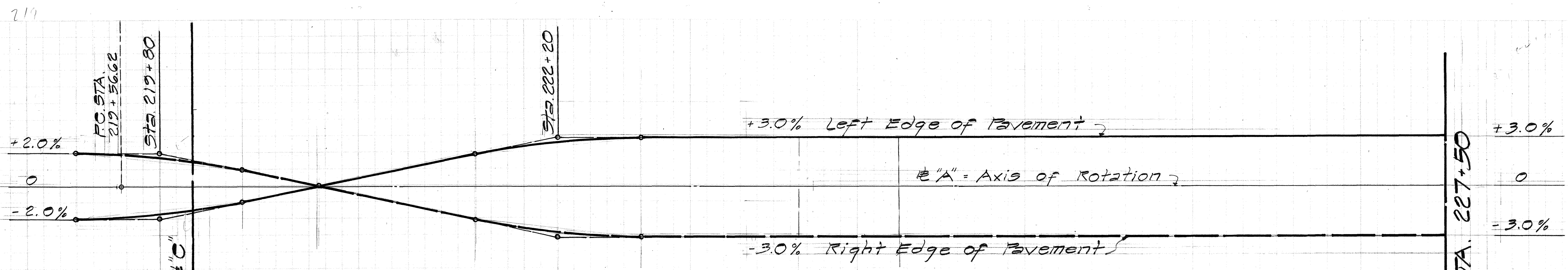
PROFILE C

Scales: Horiz. 1" = 40'
Vert. 1" = 4'

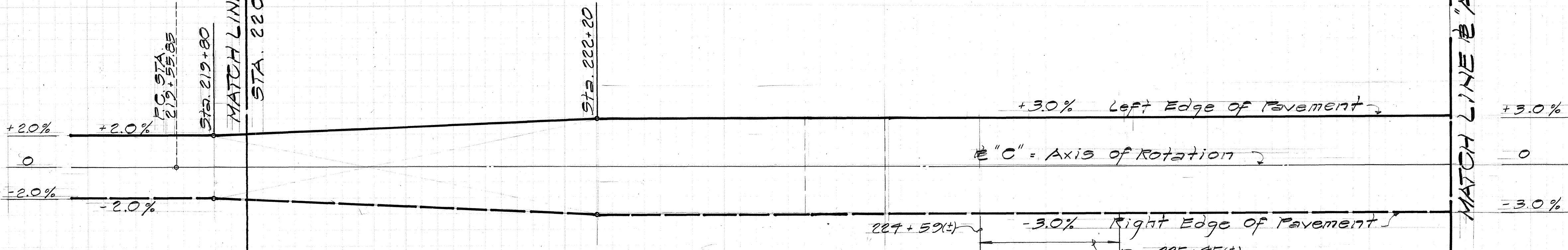


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(35)	1993	31	340

N.H.

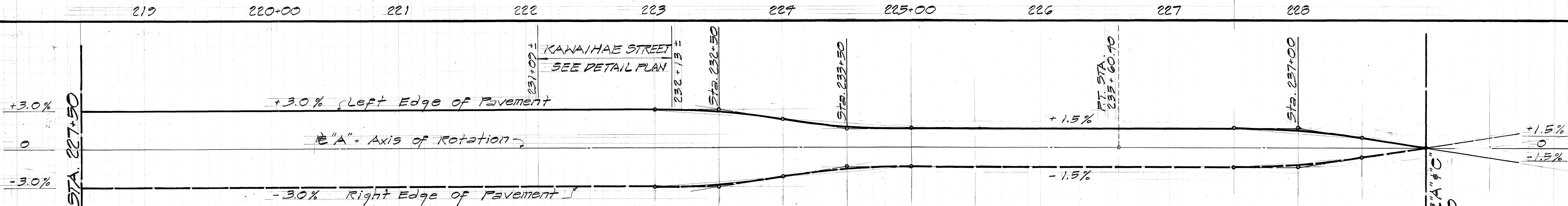


SUPERELEVATION DIAGRAM @ "A"

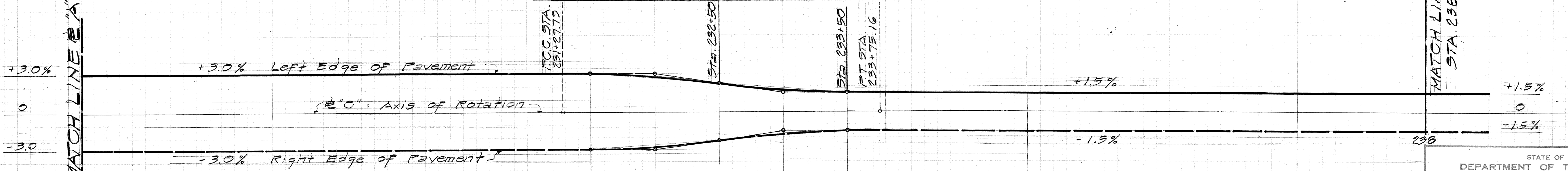


SUPERELEVATION DIAGRAM @ "C"

BAY STREET
SEE DETAIL PLAN



SUPERELEVATION DIAGRAM @ "A"



SUPERELEVATION DIAGRAM @ "C"

Scales: Horiz. 1" = 40'
Vert. 1" = 4%



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SUPERELEVATIONS
@ "A" & @ "C"
STA. 220+00 TO 238+00

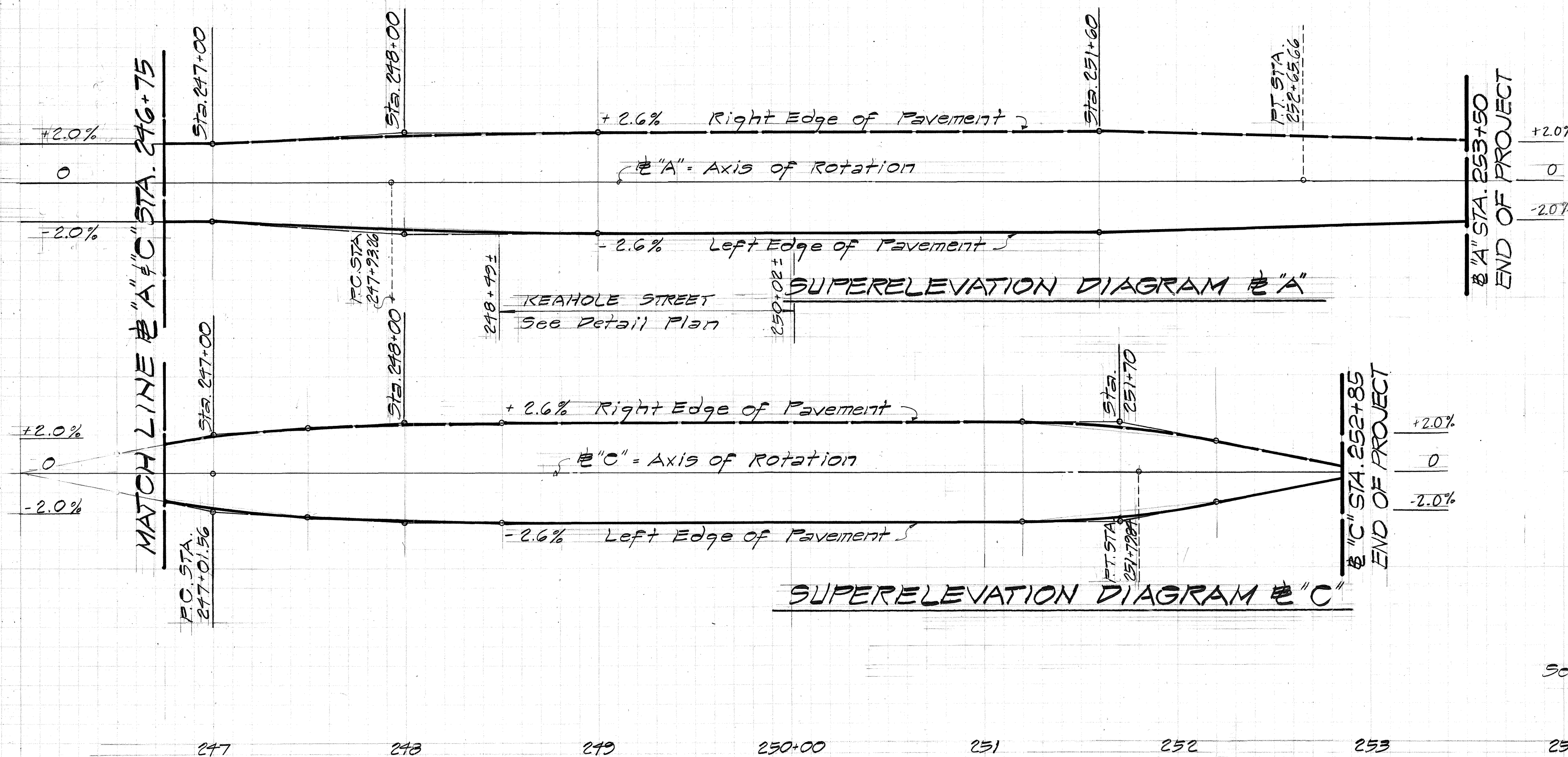
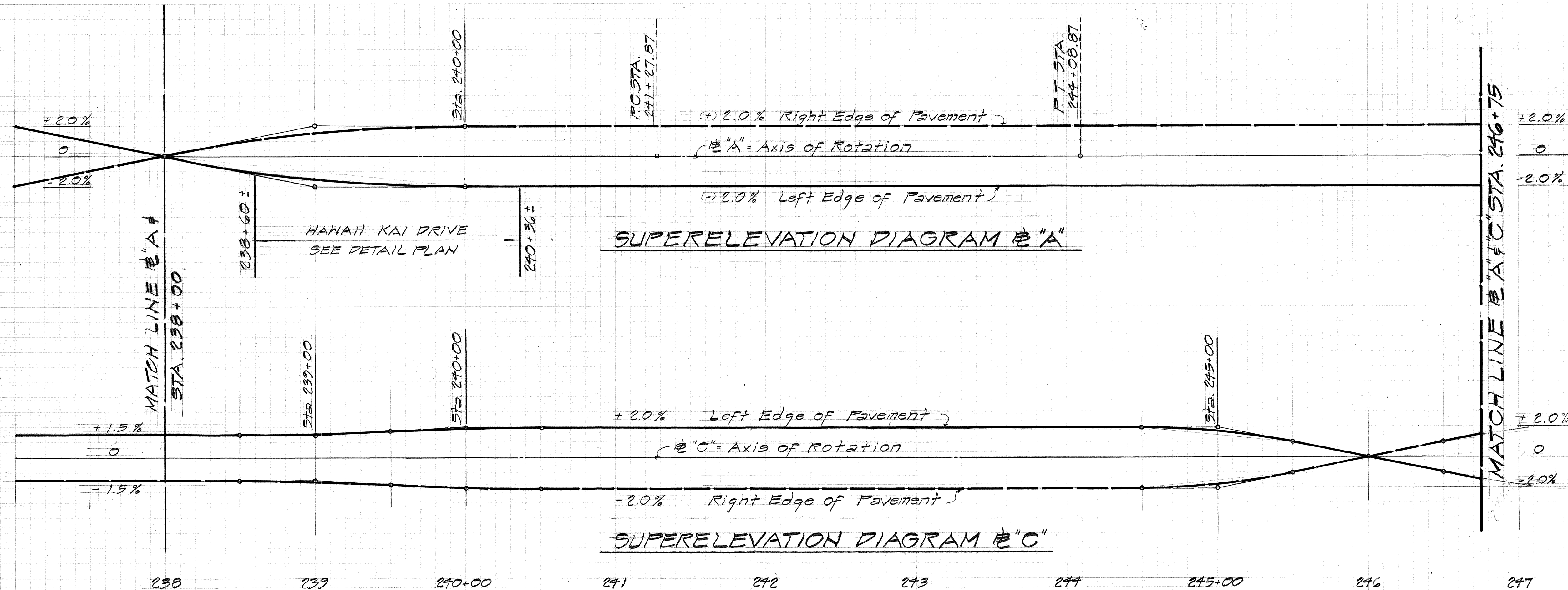
KALANIANA'OLE HIGHWAY
E. HALEMAUMAU ST. TO KEAHOLE ST.
F.A. PROJECT NO. NH-STP-072-1(35)

Scale: Date: 10/1/92
SHEET No. 31 OF 12 SHEETS

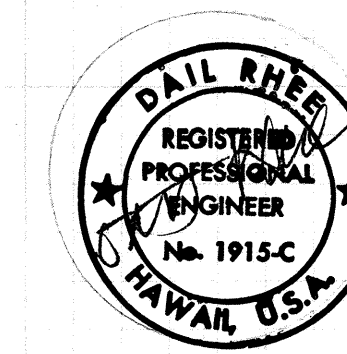
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(35)	1993	32	340

N.H.



Scales: Horiz. 1" = 40'
Vert. 1" = 4'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SUPERELEVATIONS
"A" & "C"
STA. 238+00 TO END

KALANIANA'OLE HIGHWAY
E. HALEMAUMAU ST. TO KEAHOLE ST.
F.A. PROJECT NO. NH-STP-072-1(35)

Scale: Date: 10/1/92

SHEET NO. 20F 12 SHEETS