

PLAN	DATE	BY
SURVEYED		
NOTE BOOK		
ALIGNMENT CHECKED		
RT. OF WAY CHECKED		
NO.		

PROFILE	DATE	BY
SURVEYED		
NOTE BOOK		
GRADES CHECKED		
STRUCTURE NOTATION CHKD.		
NO.		

NOTE:
 ① Existing 72" Chain Link Fence between A and B to be salvaged and stockpiled on Farrington High School grounds as directed by the Engineer. (Incidental to reconstructed fence.)
 ② Existing 72" Chain Link Fence between B & C shall be reconstructed along the new R/W line. Approx. 1200 lin. ft.

PROJECT	STATE	UNIT	DATE	SHEET
U-072-1(7)	UNIT 3	1958	7	80
USC69010		1958	8	103

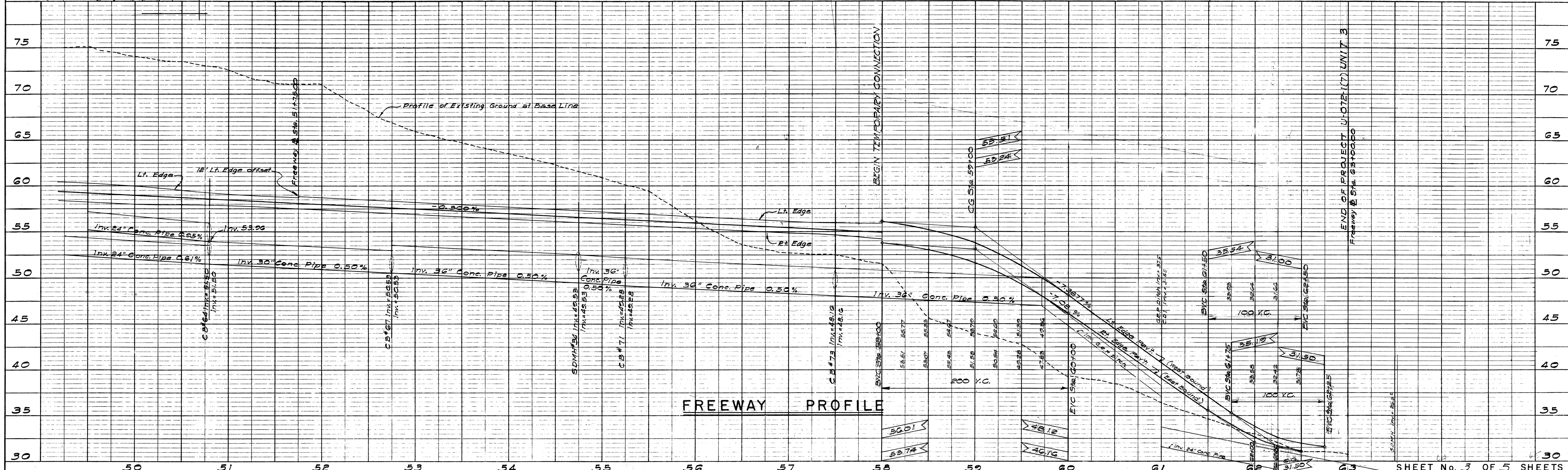
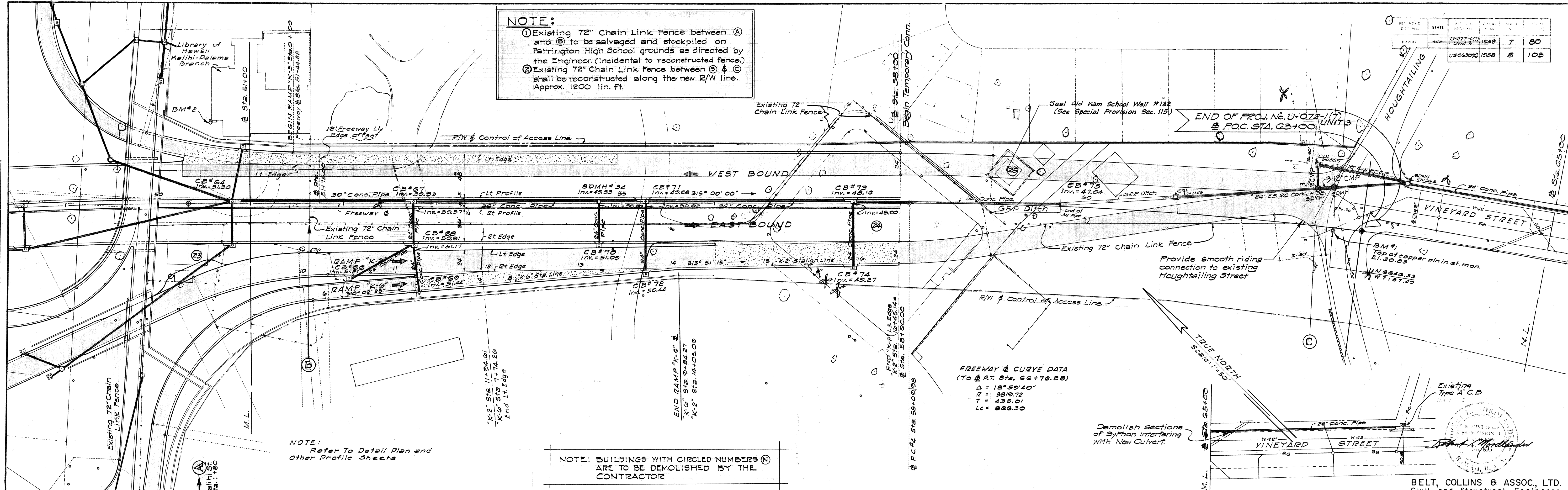
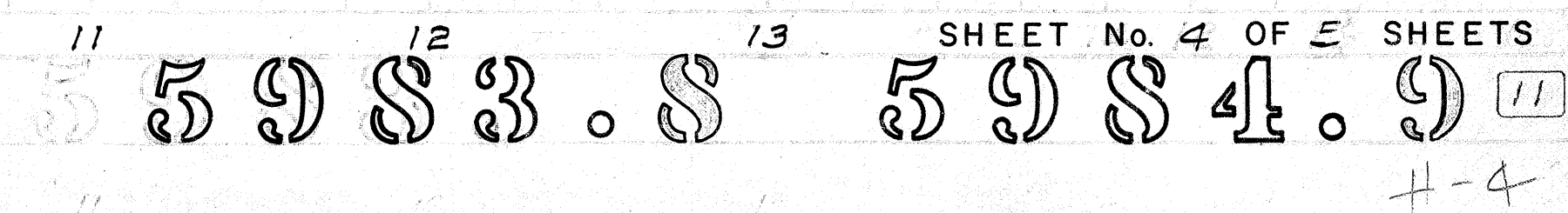


PLATE 1-PLAN-PROFILE O. P. R. & E. STANDARD
 KUFFEL & ESSER CO. NEW YORK

K & E Co. No. 348-1C
 NEW YORK, N. Y. 10011

SHEET No. 3 OF 5 SHEETS

59 S 3. S 4. S



PLAN	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

PROFILE	DATE
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

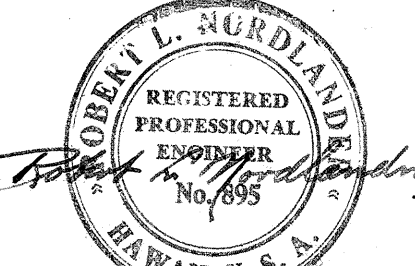
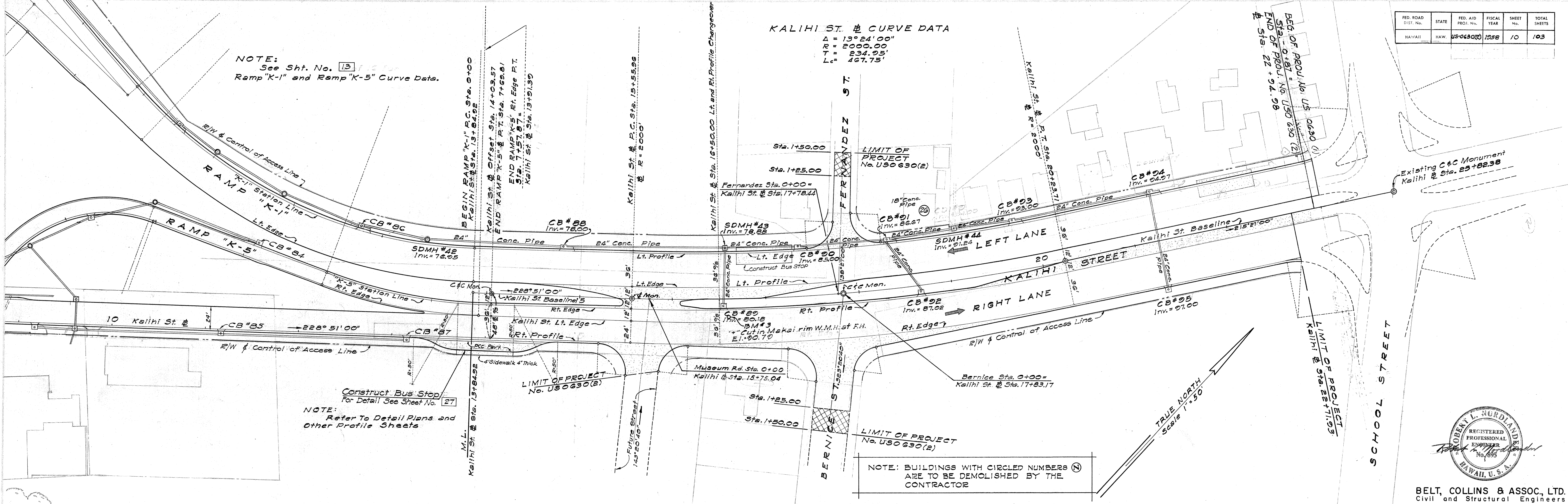
K. Hashiguchi 3/87

KALIHU ST. CURVE DATA

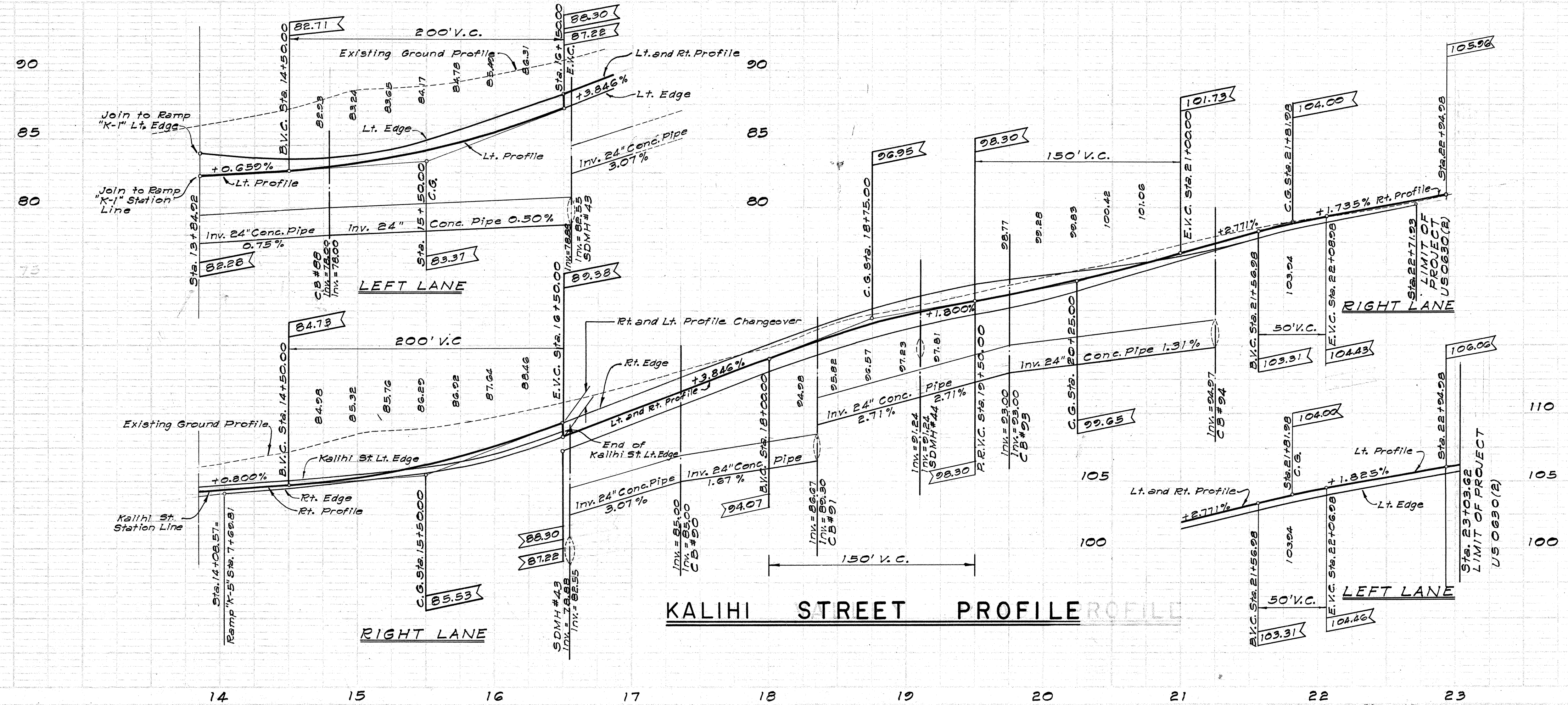
Δ = 13° 24' 00"
R = 2000.00'
T = 234.95'
Lc = 467.75'

NOTE:
See Sht. No. 13
Ramp "K-1" and Ramp "K-5" Curve Data.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	US-0630(2)	1988	10	103

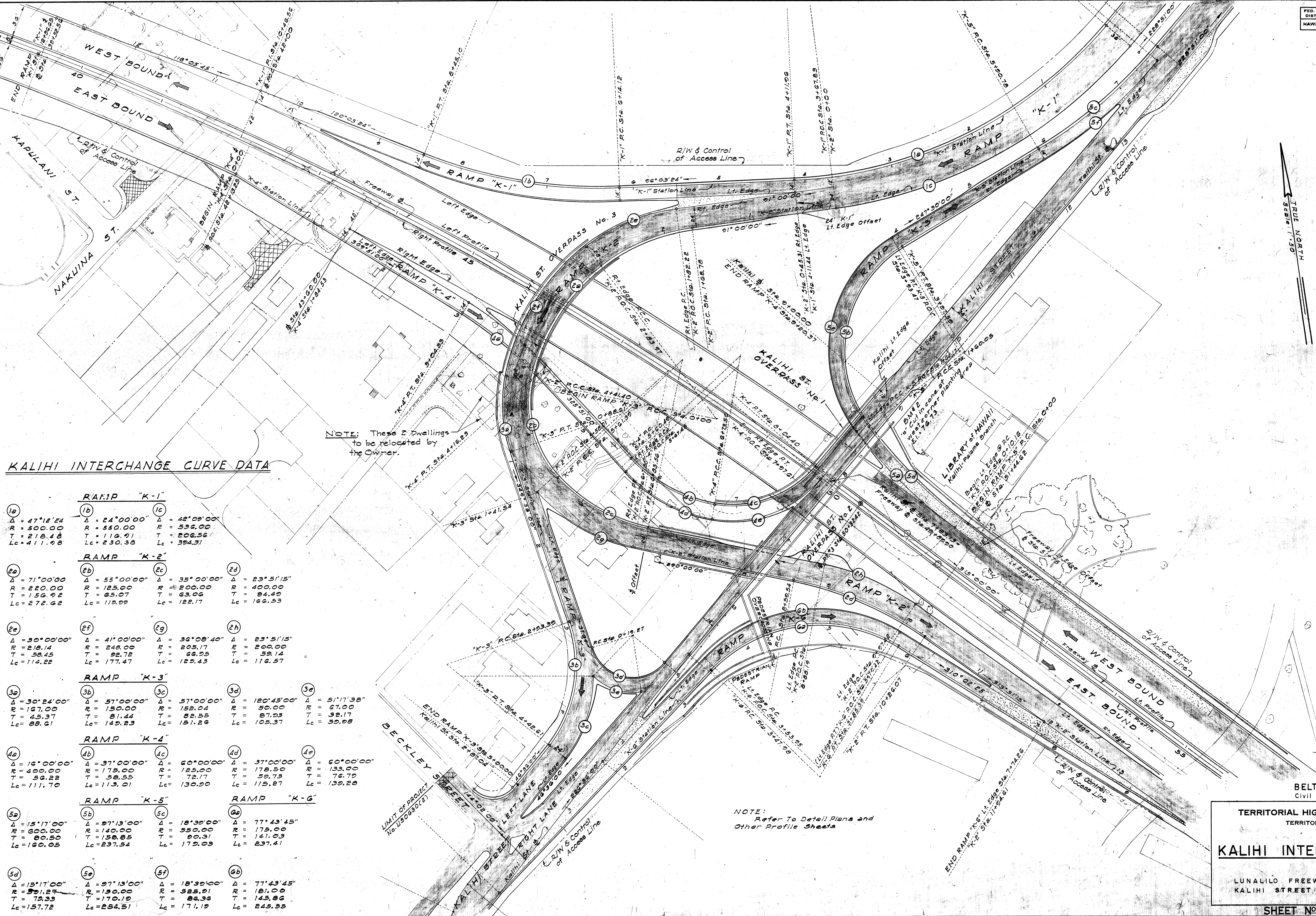


BELT, COLLINS & ASSOC., LTD.
Civil and Structural Engineers



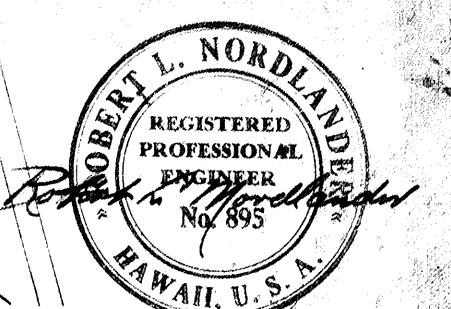
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	US 630(2)	1968	9	80
		US 630(2)	1968	11	103



KALIHKI INTERCHANGE CURVE DATA

RAMP "K-1"				
1a	1b	1c		
$\Delta = 47^{\circ}12'24"$	$\Delta = 24^{\circ}00'00"$	$\Delta = 42^{\circ}09'00"$		
$R = 500.00$	$R = 550.00$	$R = 536.00$		
$T = 218.48$	$T = 110.91$	$T = 206.56$		
$Lc = 411.98$	$Lc = 230.38$	$Lc = 394.31$		
RAMP "K-2"				
2a	2b	2c	2d	
$\Delta = 71^{\circ}00'00"$	$\Delta = 55^{\circ}00'00"$	$\Delta = 35^{\circ}00'00"$	$\Delta = 23^{\circ}51'15"$	
$R = 220.00$	$R = 125.00$	$R = 200.00$	$R = 400.00$	
$T = 150.92$	$T = 65.07$	$T = 63.06$	$T = 84.49$	
$Lc = 272.62$	$Lc = 119.99$	$Lc = 122.17$	$Lc = 166.53$	
2e	2f	2g	2h	
$\Delta = 30^{\circ}00'00"$	$\Delta = 41^{\circ}00'00"$	$\Delta = 32^{\circ}08'40"$	$\Delta = 23^{\circ}51'15"$	
$R = 249.00$	$R = 205.00$	$R = 200.00$	$R = 400.00$	
$T = 58.45$	$T = 92.72$	$T = 66.95$	$T = 59.14$	
$Lc = 114.22$	$Lc = 177.47$	$Lc = 122.43$	$Lc = 176.57$	
RAMP "K-3"				
3a	3b	3c	3d	3e
$\Delta = 30^{\circ}24'00"$	$\Delta = 57^{\circ}00'00"$	$\Delta = 57^{\circ}00'00"$	$\Delta = 120^{\circ}45'00"$	$\Delta = 51^{\circ}17'38"$
$R = 167.00$	$R = 150.00$	$R = 152.04$	$R = 50.00$	$R = 67.00$
$T = 45.37$	$T = 81.44$	$T = 82.55$	$T = 87.03$	$T = 32.17$
$Lc = 88.61$	$Lc = 140.23$	$Lc = 151.26$	$Lc = 105.37$	$Lc = 50.98$
RAMP "K-4"				
4a	4b	4c	4d	4e
$\Delta = 16^{\circ}00'00"$	$\Delta = 37^{\circ}00'00"$	$\Delta = 60^{\circ}00'00"$	$\Delta = 37^{\circ}00'00"$	$\Delta = 60^{\circ}00'00"$
$R = 430.00$	$R = 175.00$	$R = 125.00$	$R = 175.00$	$R = 133.00$
$T = 56.22$	$T = 58.52$	$T = 72.17$	$T = 59.73$	$T = 76.70$
$Lc = 111.70$	$Lc = 113.01$	$Lc = 130.90$	$Lc = 115.27$	$Lc = 132.28$
RAMP "K-5"				
5a	5b	5c	5d	
$\Delta = 15^{\circ}17'00"$	$\Delta = 27^{\circ}13'00"$	$\Delta = 18^{\circ}39'00"$	$\Delta = 77^{\circ}43'45"$	
$R = 600.00$	$R = 140.00$	$R = 550.00$	$R = 175.00$	
$T = 80.50$	$T = 158.85$	$T = 90.31$	$T = 141.03$	
$Lc = 160.05$	$Lc = 237.54$	$Lc = 172.03$	$Lc = 237.41$	
RAMP "K-6"				
6a	6b	6c	6d	
$\Delta = 15^{\circ}17'00"$	$\Delta = 27^{\circ}13'00"$	$\Delta = 18^{\circ}39'00"$	$\Delta = 77^{\circ}43'45"$	
$R = 600.00$	$R = 140.00$	$R = 550.00$	$R = 175.00$	
$T = 80.50$	$T = 158.85$	$T = 90.31$	$T = 141.03$	
$Lc = 160.05$	$Lc = 237.54$	$Lc = 172.03$	$Lc = 237.41$	



BELT, COLLINS & ASSOC., LTD.
Civil and Structural Engineers

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

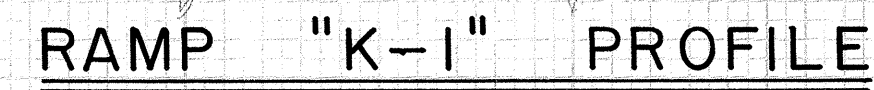
KALIHKI INTERCHANGE PLAN

LUNALILO FREEWAY U-072-1(7) UNIT 3
KALIHKI STREET ROAD US 630(2)

SHEET NO. 9 OF 8 SHEETS

5983.9 5984.11

ORIGINAL	SURVEYED PLOTTED TEMPLATE AREAS	BY	DATE
SURVEY			
NOTE BOOK			
NO.	AREAS CHECKED		

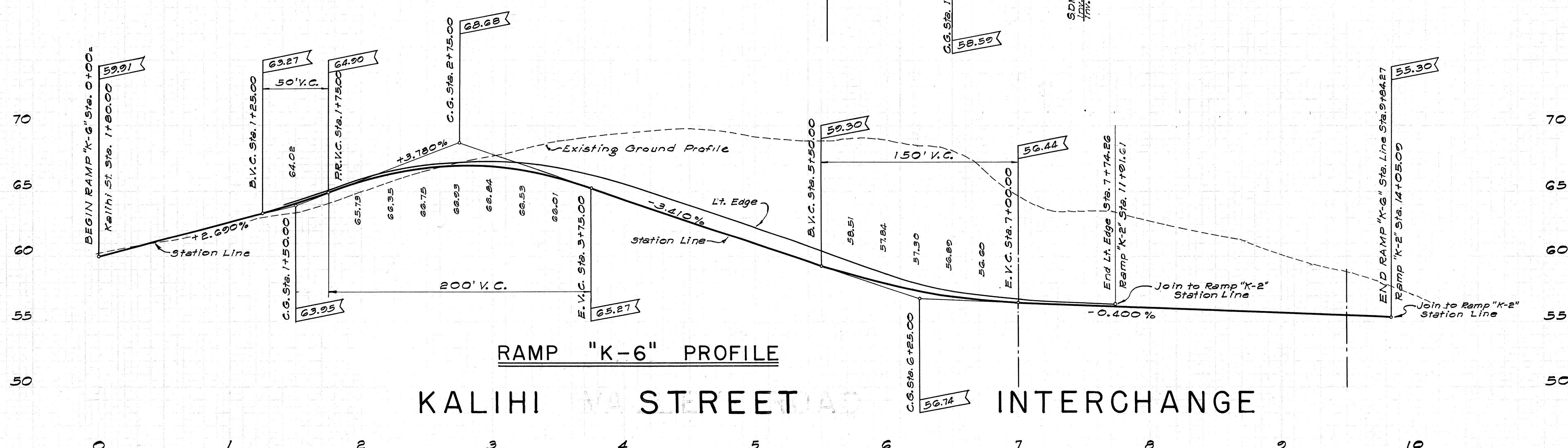
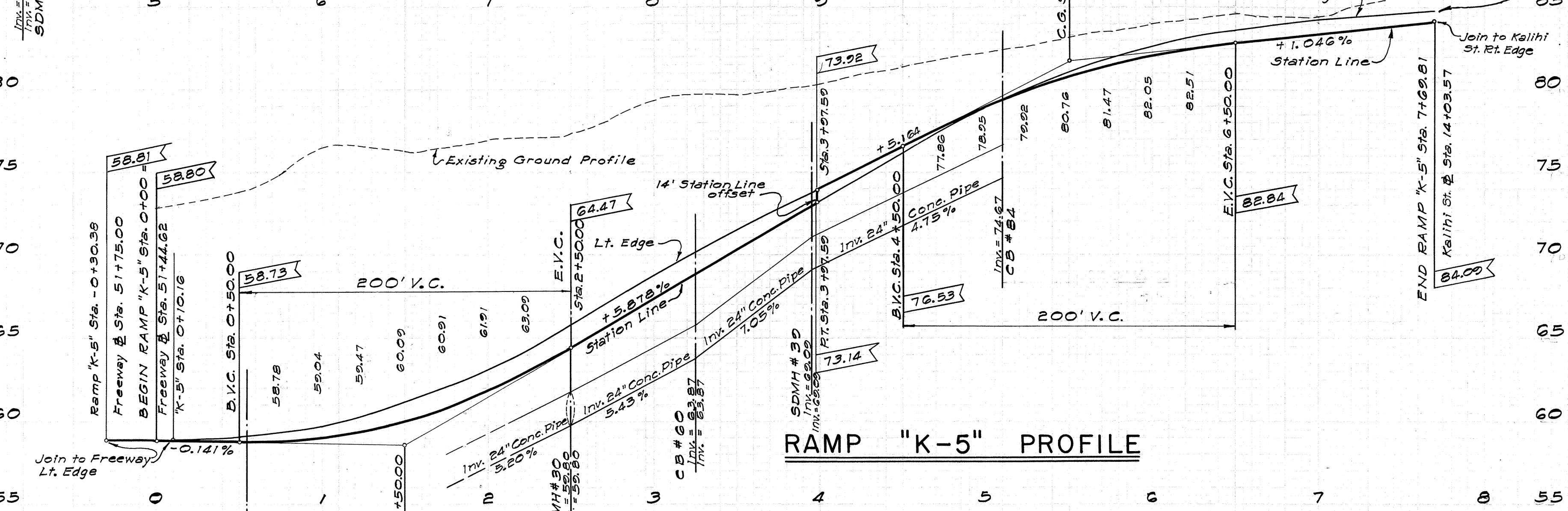
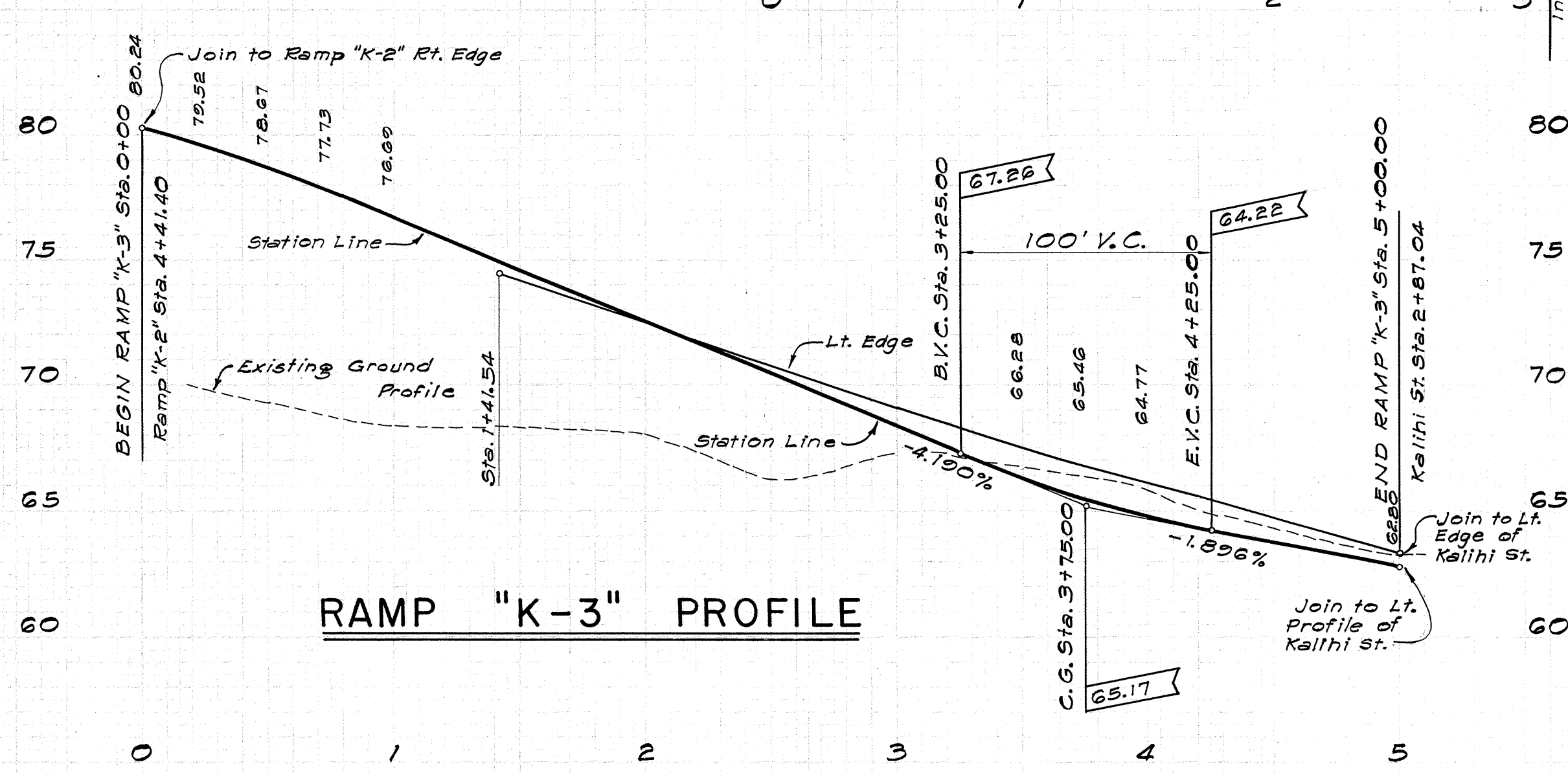
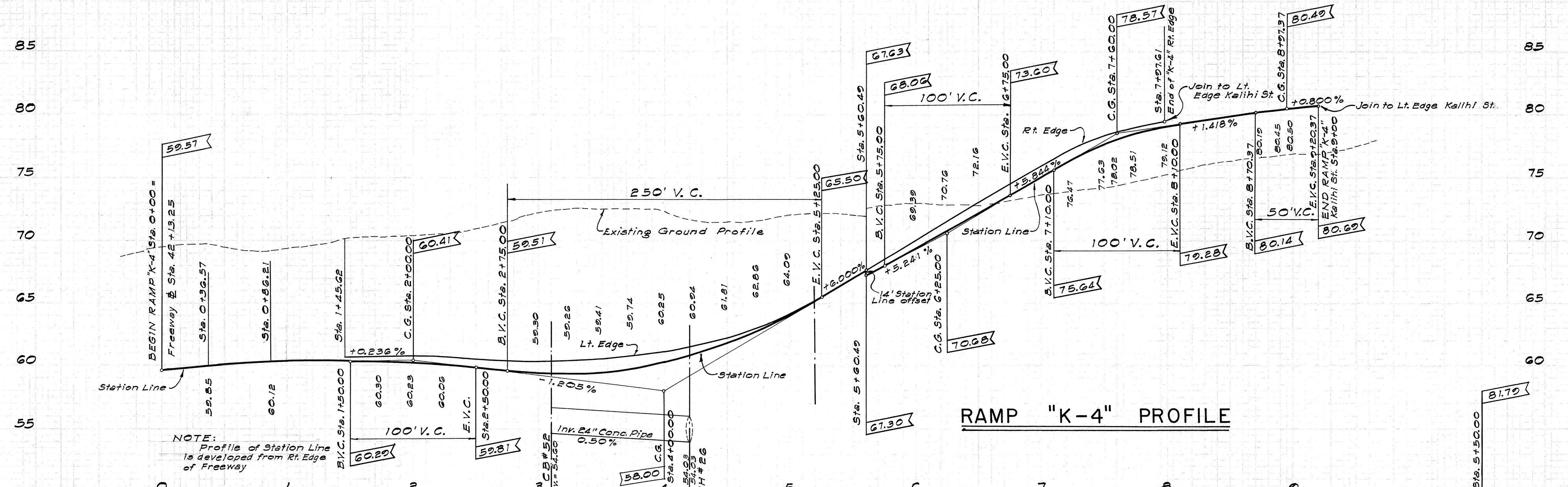


RAMP "K-2" PROFILE



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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	US-0690(2)	1988	13	103



KALIHI STREET INTERCHANGE