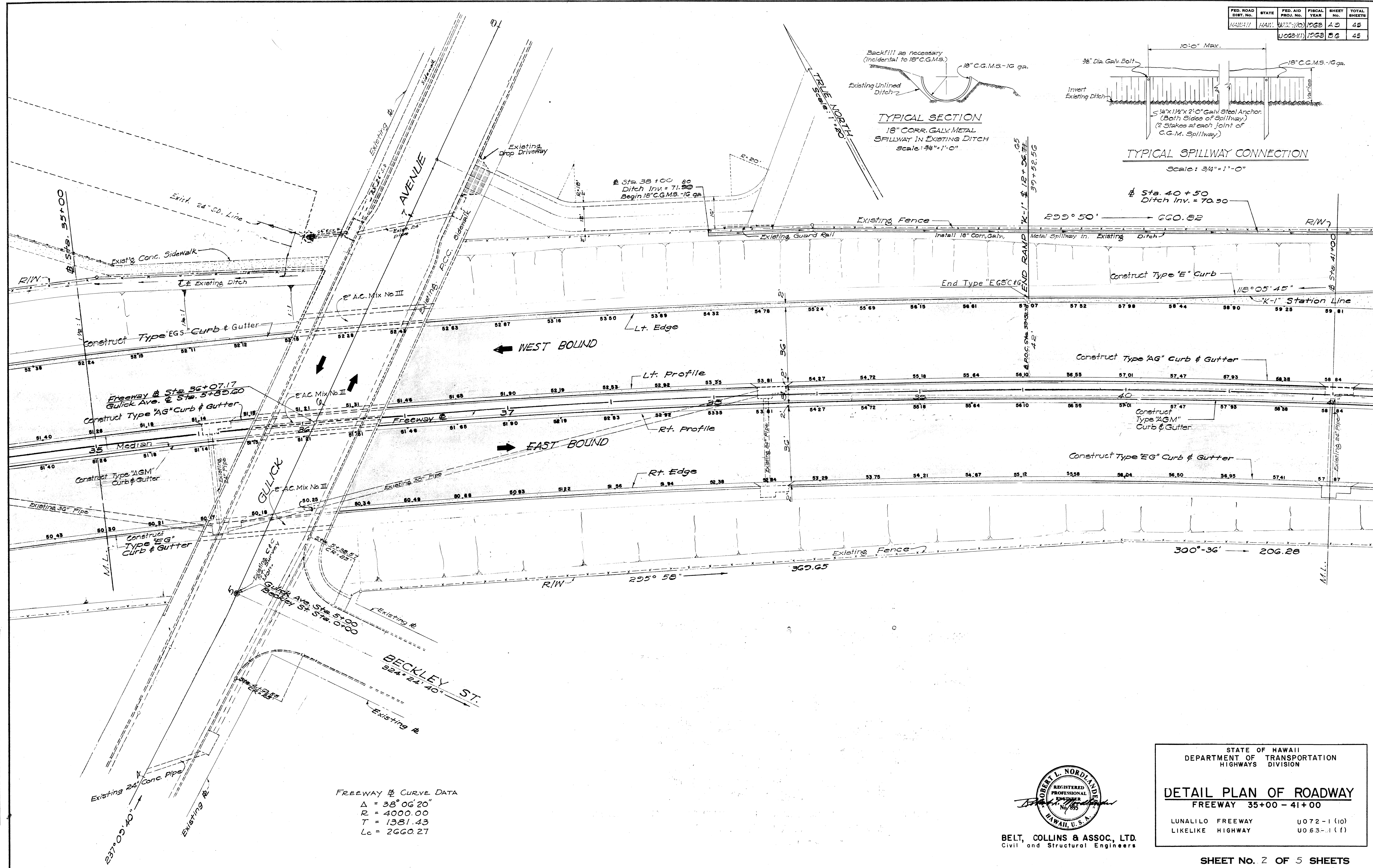


FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOT SHE
HAWAII	HAW.	W072-1(10)	1968	A 9	4
		11063-10	1963	B 6	4



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

A circular professional engineer seal for Robert L. Nordlander, No. 895, State of Hawaii. The seal is stamped over a signature that appears to be "Robert L. Nordlander".

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Civil and Structural Engineers

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY
FREEWAY 35+00 - 41+00

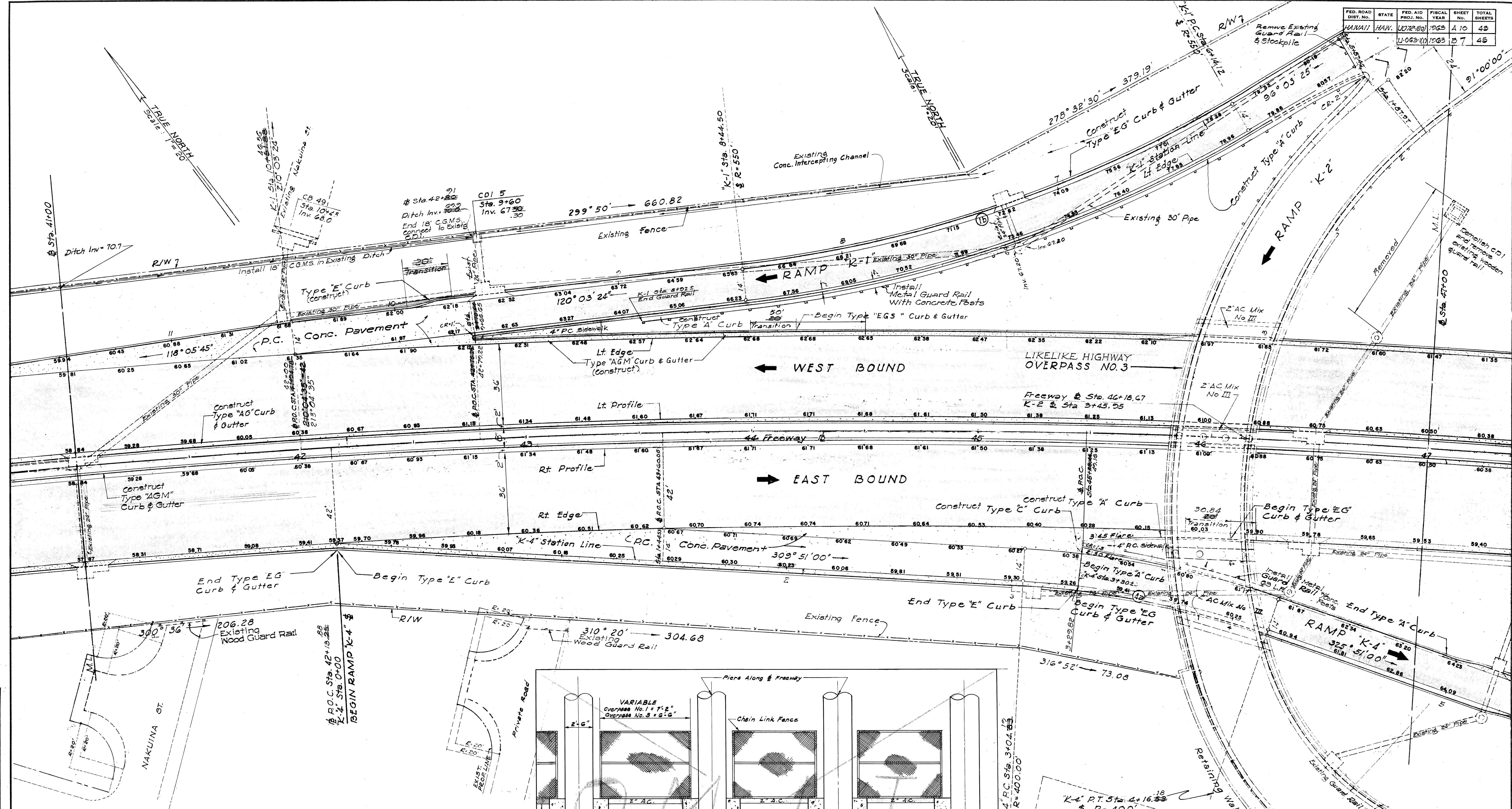
LUNALILO	FREEWAY	U 0 7 2 - 1 (10)
LIKELIKE	HIGHWAY	U 0 6 3 - 1 (1)

SHEET No. 2 OF 5 SHEETS

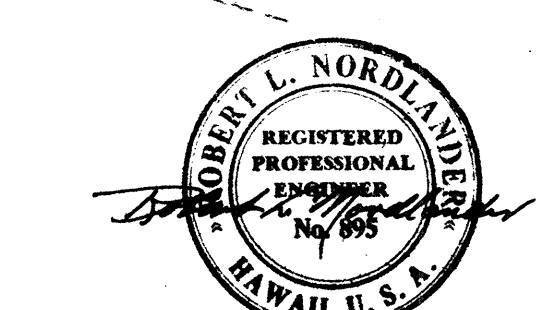
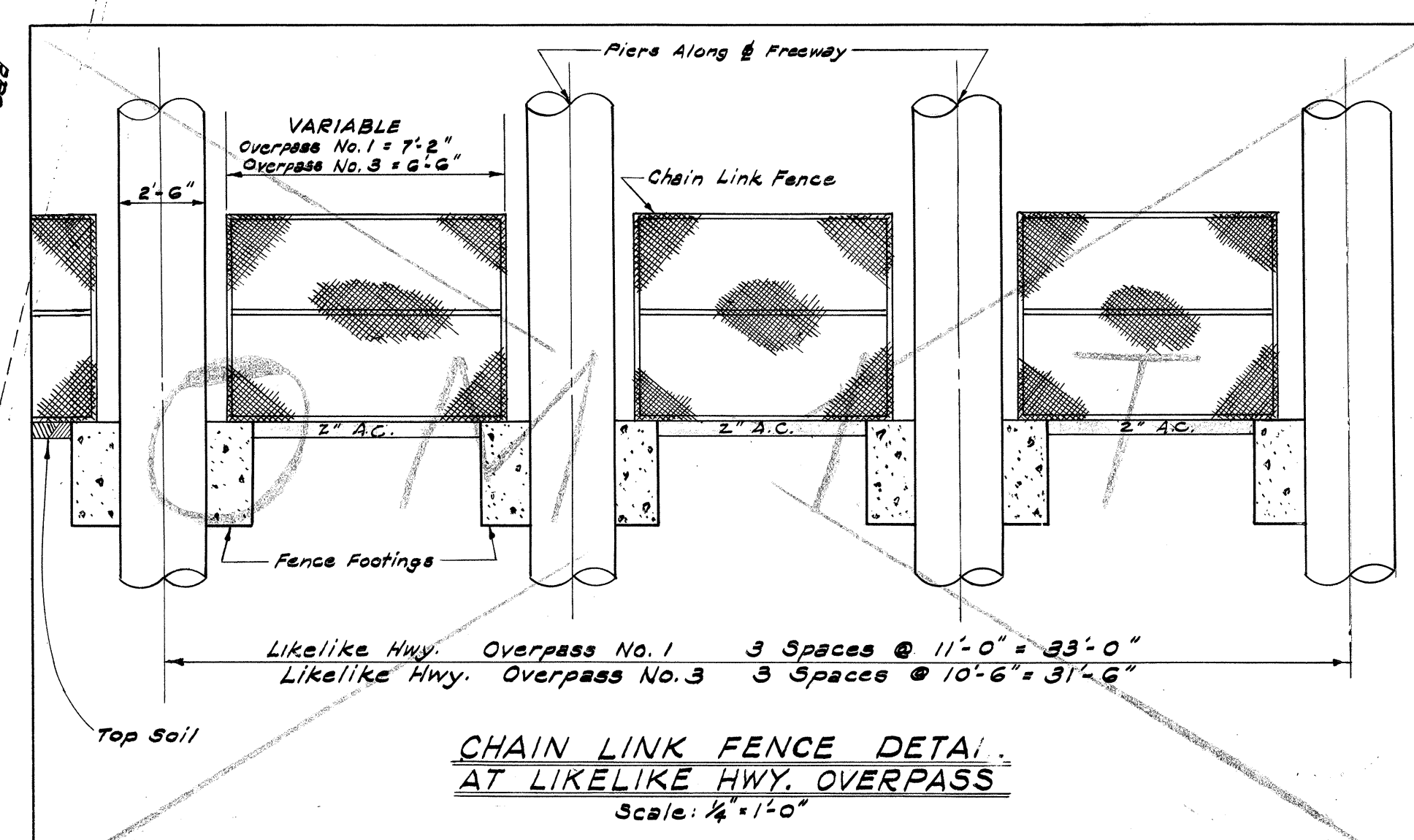
A 9 B 6

①

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U072-100	1963	A 10	48
		U063-100	1963	B 7	48



FREEWAY CURVE DATA	(A) K-4 CURVE DATA	(B) K-1 CURVE DATA
$\Delta = 38^{\circ}06'20"$	$\Delta = 16^{\circ}02'30"$	$\Delta = 24^{\circ}00'00"$
$R = 4000.00$	$R = 4000.00$	$R = 550.00$
$T = 1361.43$	$T = 56.50$	$T = 116.91$
$L = 2660.27$	$L = 111.70$	$L = 230.38$



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY
FREEWAY 41+00 - 47+00

LUNALILO FREEWAY U072-1 (10)
LIKELIKE HIGHWAY U063-1 (1)

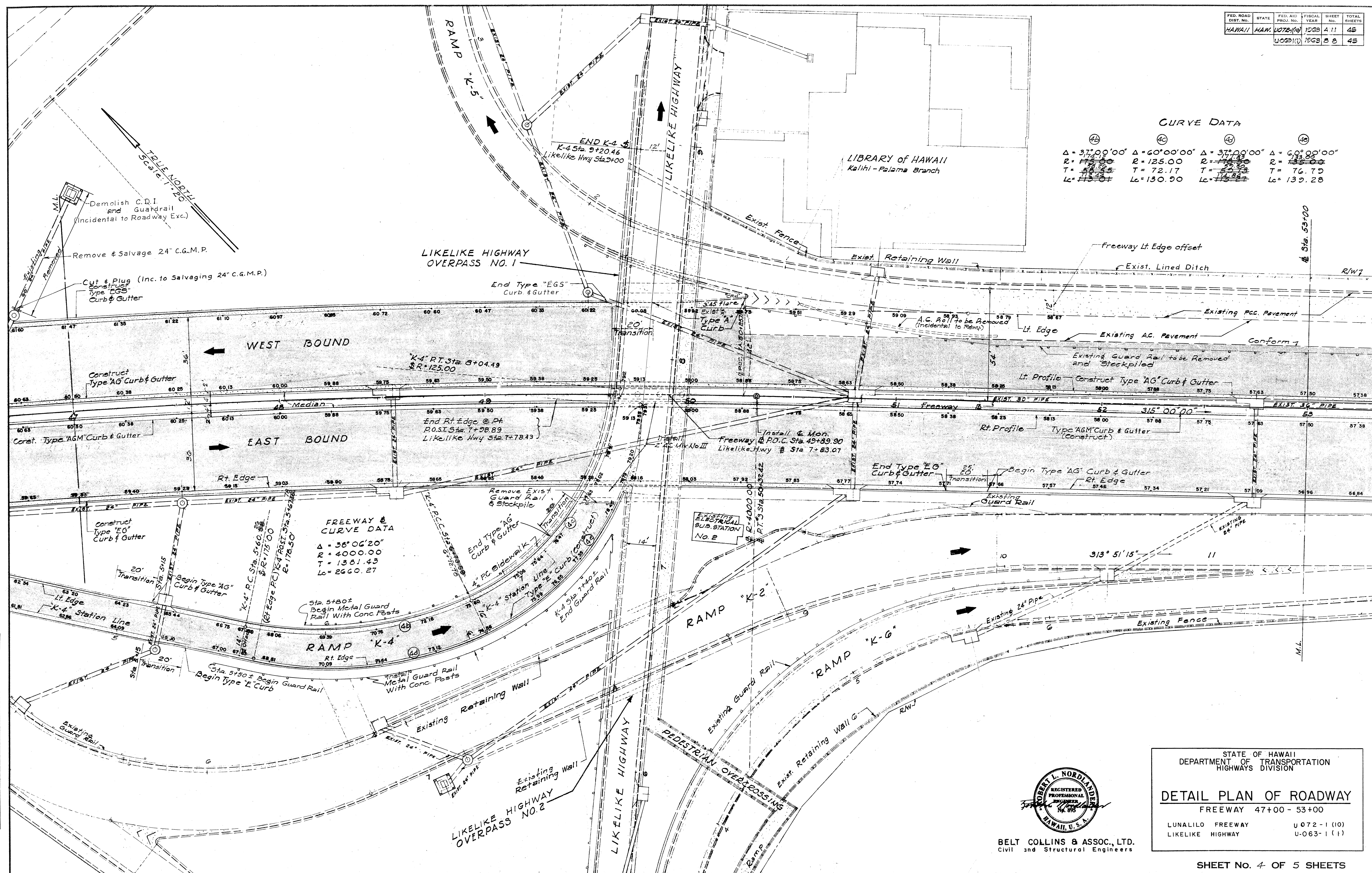
SHEET NO. 3 OF 5 SHEETS

A 10 B 7

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEET
HAWAII	HAW.	U072-1(10)	1963	A 11	45
		U-063-1(1)	1963	B 8	45

CURVE DATA

(4b)	(4c)	(4d)	(4e)
$\Delta = 37^{\circ}00'00''$	$\Delta = 60^{\circ}00'00''$	$\Delta = 37^{\circ}00'00''$	$\Delta = 60^{\circ}00'00''$
$R = \frac{175.00}{58.86}$	$R = 125.00$	$R = \frac{175.00}{58.86}$	$R = \frac{133.00}{58.86}$
$T = \frac{58.86}{113.00}$	$T = 72.17$	$T = \frac{58.86}{113.00}$	$T = 76.79$
$L_c = 113.00$	$L_c = 130.90$	$L_c = \frac{113.00}{130.90}$	$L_c = 130.90$



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DESIGNED BY <i>W. Lo</i>	" <i>2-56</i>
	DRAWN BY <i>L. Masuda</i>	" <i>5-56</i>
	TRACED BY <i>C. Palanca</i>	" <i>9-56</i>
	QUANTITIES BY <i>S. Kato</i>	" <i>2-57</i>
NOTE BOOK	QUANTITIES CHECKED BY <i>S. Aikawa</i>	" <i>2-57</i>
No.	CHECKED BY <i>S. L. Nordlander</i>	" <i>2-57</i>



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DETAIL PLAN OF ROADWAY

FREEWAY 47+00 - 53+00

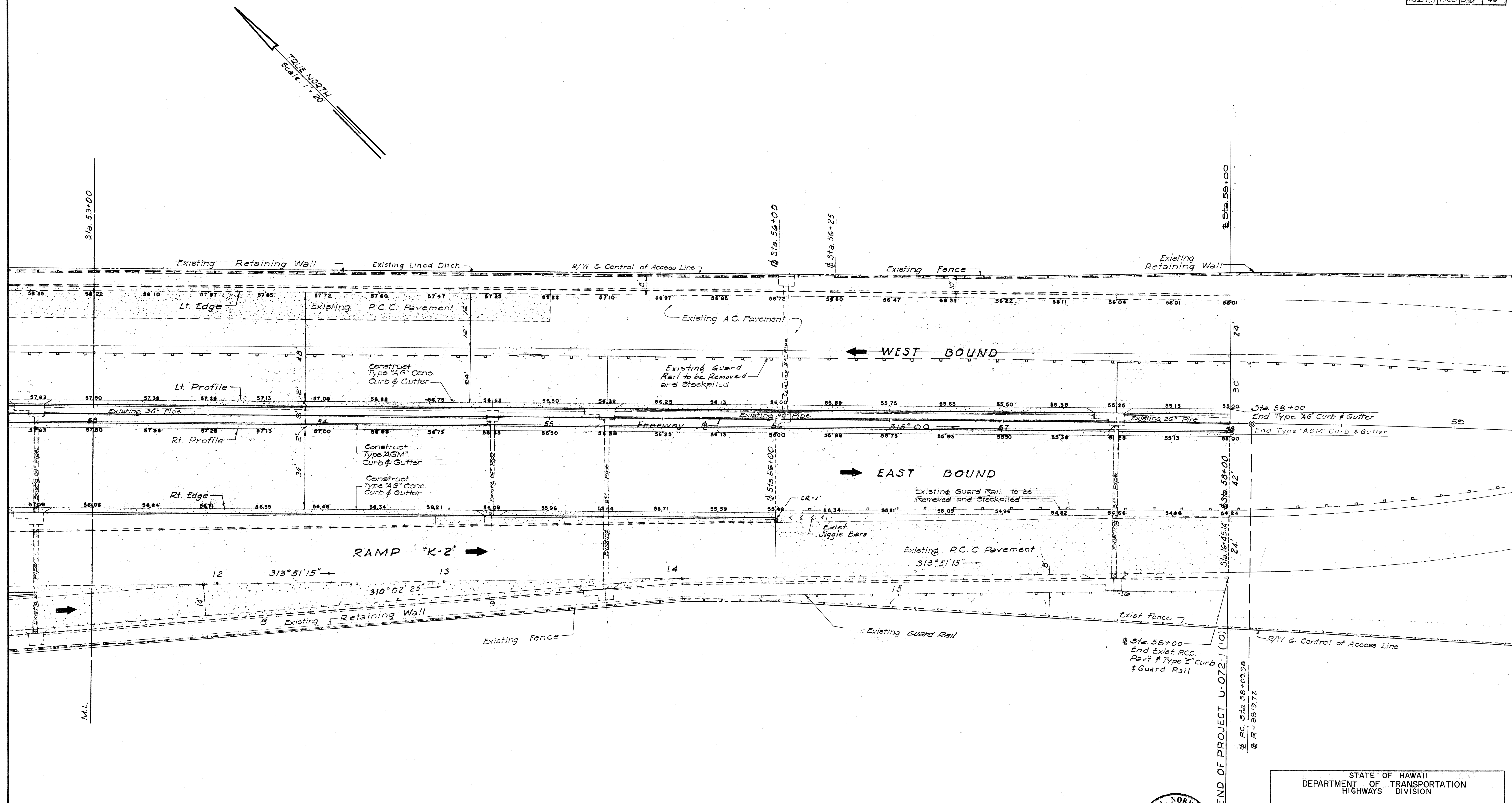
LUNALILO	FREEWAY	U 072-1 (10)
LIKELIKE	HIGHWAY	U-063-1 (1)

SHEET No. 4 OF 5 SHEETS

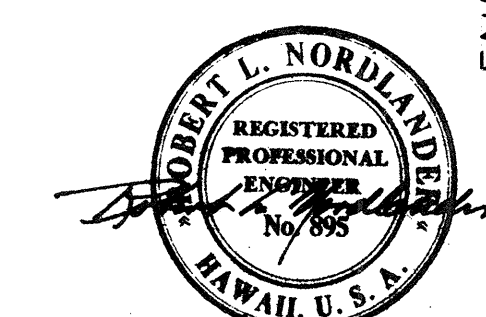
A 11 B 8

(1)

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOT SHEETS
HAWAII	HAW.	1-072-1(10)	1962	A12	43
		1-063-1(11)	1963	B 9	43



ORIGINAL PLAN	SURVEY PLOTTED BY <i>A. Dung</i>	DATE " 9-56
	DESIGNED BY <i>G. Nishimoto</i>	" 9-56
	DRAWN BY <i>K. Hashiguchi</i>	" 10-56
NOTE BOOK	QUANTITIES BY <i>E. Arakawa</i>	" 2-57
No.	QUANTITIES CHECKED BY <i>E. Arakawa</i>	" 2-57
	CHECKED BY <i>R. L. Nordlander</i>	" 3-57



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HIGHWAYS DIVISION

DETAIL PLAN OF ROADWAY
FREEWAY 53+00 - 58+00

LUNALILO	FREEWAY	U-072-1 (10)
LIKELIKE	HIGHWAY	U-063-1 (1)

SHEET No. 5 OF 5 SHEETS

A 12 B 9

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