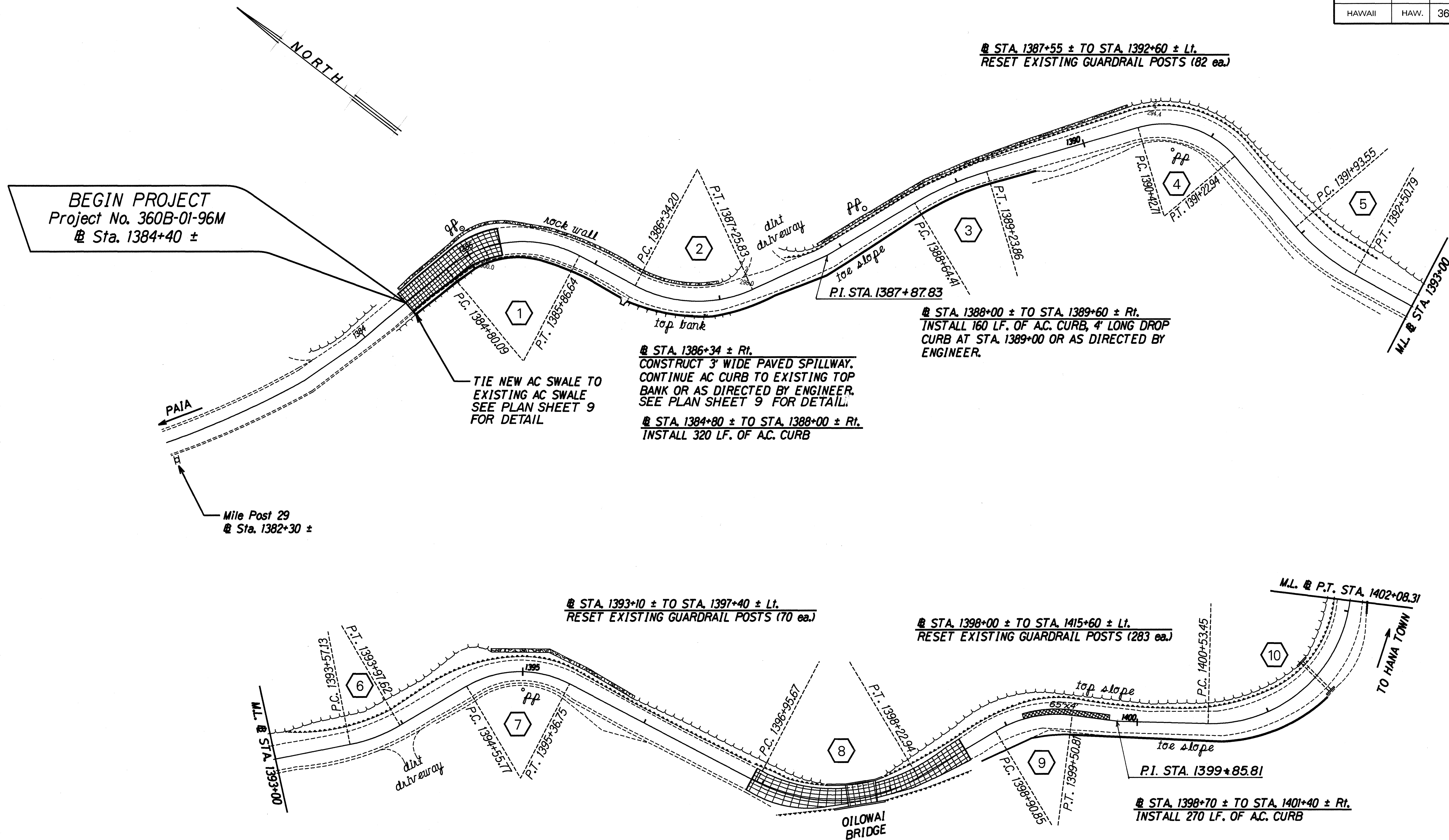
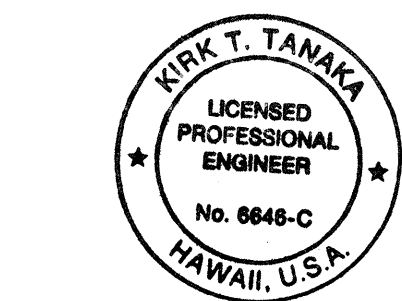




DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
NO.	_____

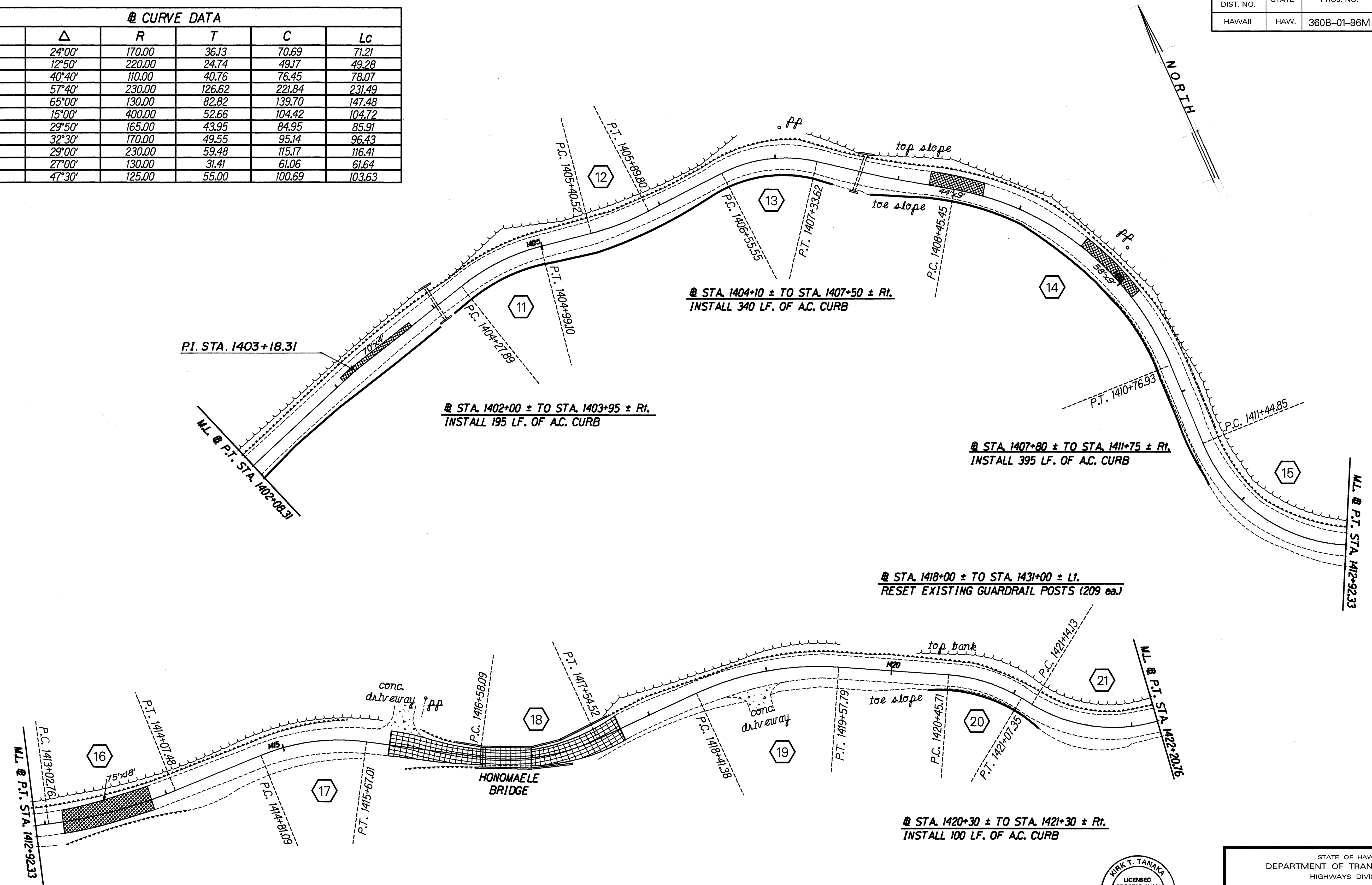
@ CURVE DATA					
NO.	Δ	R	T	C	Lc
1	67°50'	90.00	60.52	100.44	106.55
2	52°30'	100.00	49.31	88.46	91.63
3	14°50'	230.00	29.94	59.38	59.54
4	65°40'	70.00	45.17	75.91	80.23
5	20°30'	160.00	28.93	56.94	57.25
6	19°20'	120.00	20.44	40.30	40.49
7	58°00'	80.00	44.34	77.57	80.98
8	58°20'	125.00	69.76	121.84	127.26
9	38°10'	90.00	31.14	58.85	59.95
10	84°30'	105.00	95.38	141.20	154.85



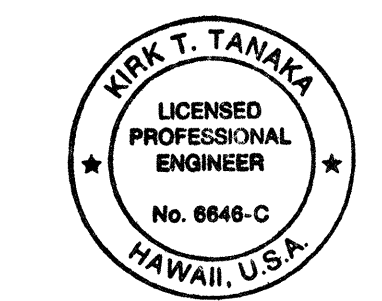
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R. T. TANAKA ENGINEERS, INC.
CIVIL ENGINEERING - LAND SURVEYING

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
HANA HIGHWAY RESURFACING
OLOWAI BRIDGE TO KALAHU
PROJECT NO. 360B-01-96M
Scale: 1" = 40' Date: MAY, 1996
SHEET No. 1 OF 5 SHEETS

CURVE DATA					
NO.	Δ	R	T	C	Lc
11	24°00'	170.00	36.13	70.69	71.21
12	12°50'	220.00	24.74	49.17	49.28
13	40°40'	110.00	40.76	76.45	78.07
14	57°40'	230.00	126.62	221.84	231.49
15	65°00'	130.00	82.82	139.70	147.48
16	15°00'	400.00	52.66	104.42	104.72
17	29°50'	165.00	43.95	84.95	85.91
18	32°30'	170.00	49.55	95.14	96.43
19	29°00'	230.00	59.48	115.17	116.41
20	27°00'	130.00	31.41	61.06	61.64
21	47°30'	125.00	55.00	100.69	103.63



DATE: _____
 SURVEY PLOTTED BY: _____
 DRAWN BY: _____
 CHECKED BY: _____
 NOTE BOOK: _____
 NO. _____



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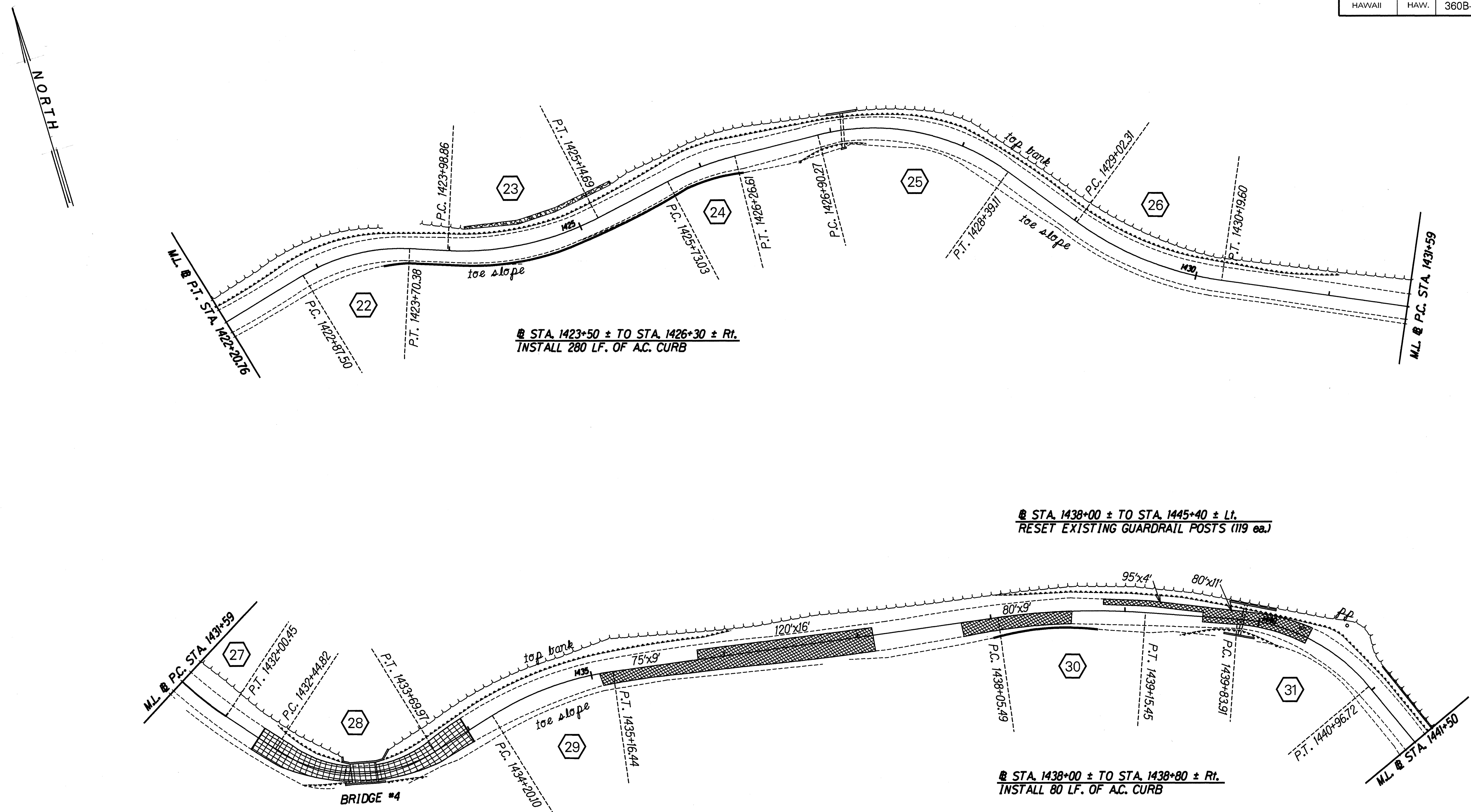
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN

HANA HIGHWAY RESURFACING
OLOWAI BRIDGE TO KALAHU
PROJECT NO. 360B-01-96M

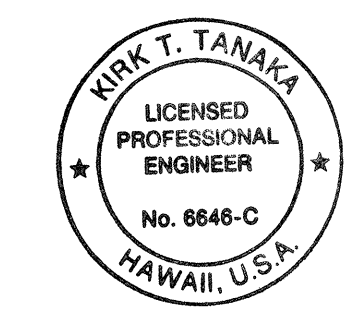
Scale: 1" = 40' Date: MAY, 1996

SHEET No. 2 OF 5 SHEETS



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

CURVE DATA					
NO.	Δ	R	T	C	Lc
22	34°00'	140.00	42.80	81.86	83.08
23	30°10'	220.00	59.29	114.50	115.83
24	13°20'	230.00	26.88	53.40	53.52
25	50°10'	170.00	79.57	144.14	148.85
26	28°00'	240.00	59.84	116.12	117.29
27	9°30'	250.00	20.77	41.40	41.45
28	65°30'	110.00	70.75	119.01	125.75
29	24°00'	230.00	48.89	95.64	96.34
30	12°00'	525.00	55.18	109.75	109.96
31	46°10'	140.00	59.67	109.78	112.81



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HIGHWAYS DIVISION

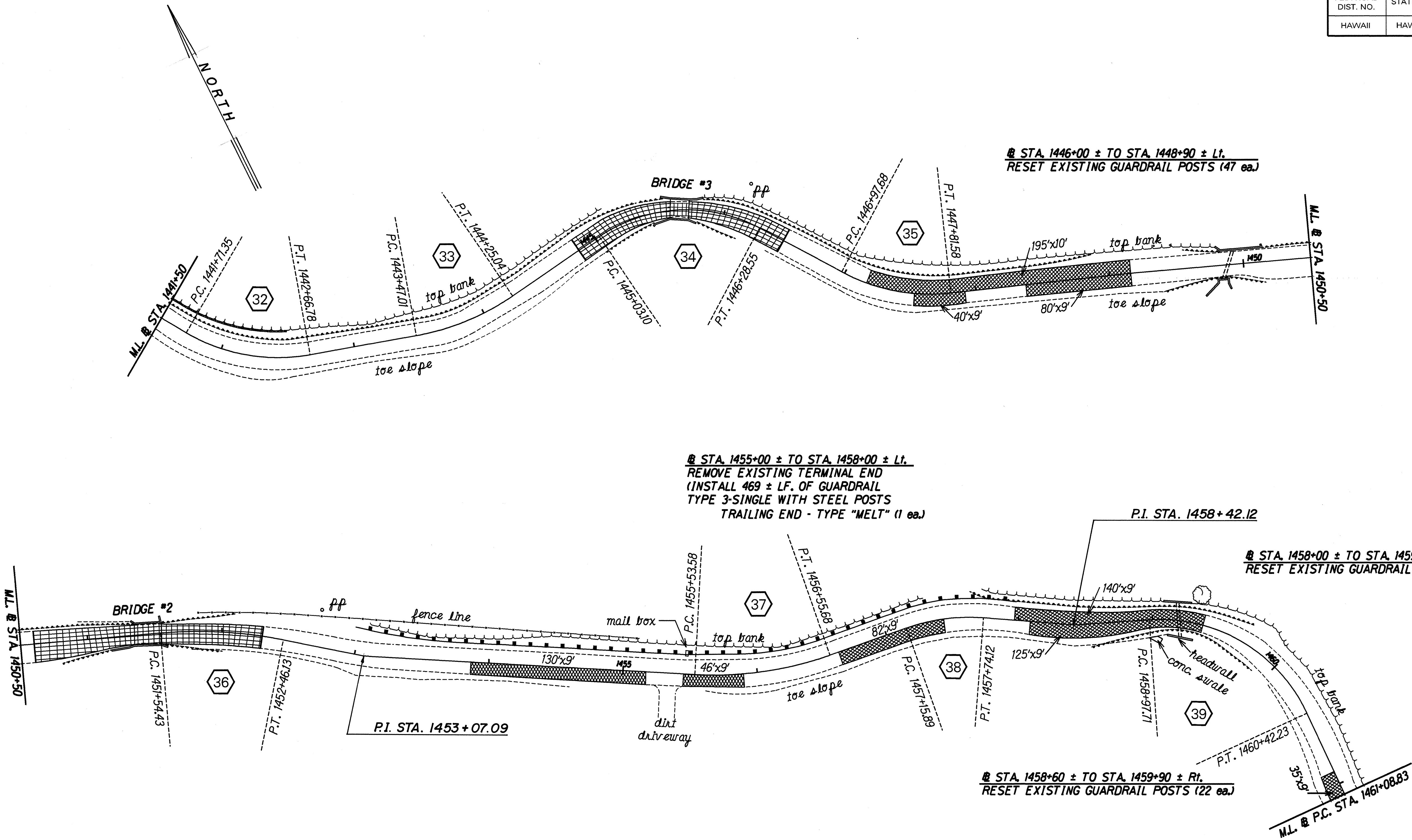
ROADWAY PLAN

**HANA HIGHWAY RESURFACING
OLOWAI BRIDGE TO KALAHU
PROJECT NO. 360B-01-96M**

Scale: 1" = 40'
Date: MAY, 1996

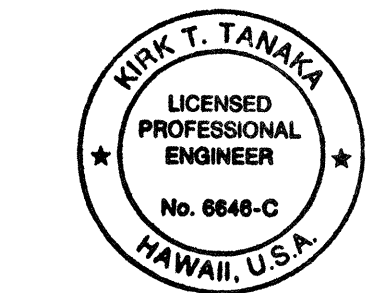
SHEET No. 3 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-96M	1996	8	19



CURVE DATA					
NO.	Δ	R	T	C	Lc
32	40°30'	135.00	49.80	93.45	95.43
33	24°10'	185.00	39.60	77.45	78.03
34	62°30'	115.00	69.78	119.32	125.45
35	34°20'	140.00	43.25	82.64	83.89
36	16°10'	325.00	46.16	91.40	91.70
37	22°30'	260.00	51.72	101.45	102.10
38	23°50'	140.00	29.55	57.82	58.24
39	69°00'	120.00	82.47	135.94	144.51

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
QUANTITIES BY	_____
PLANNED BY	_____
ORIGINAL PLAN	_____



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

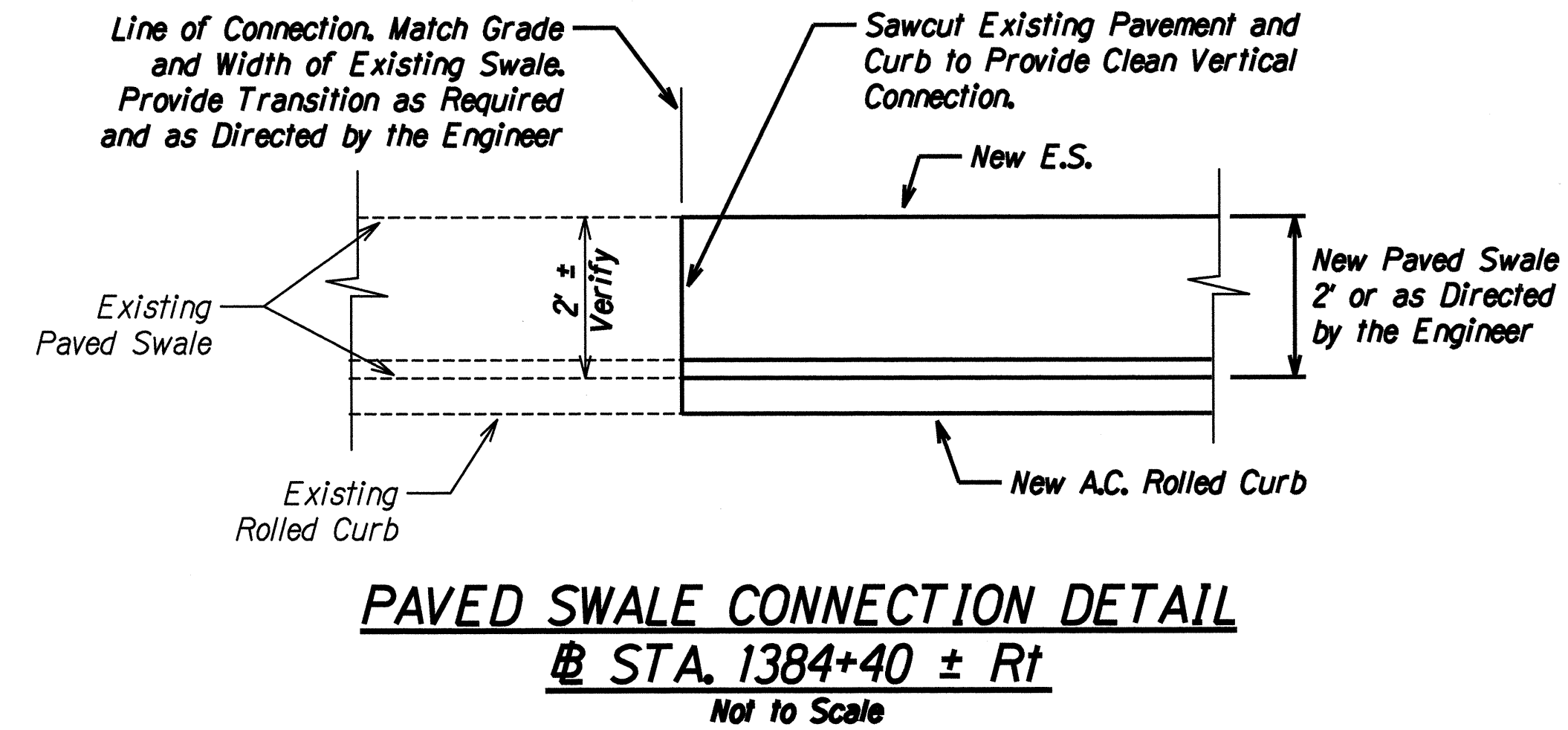
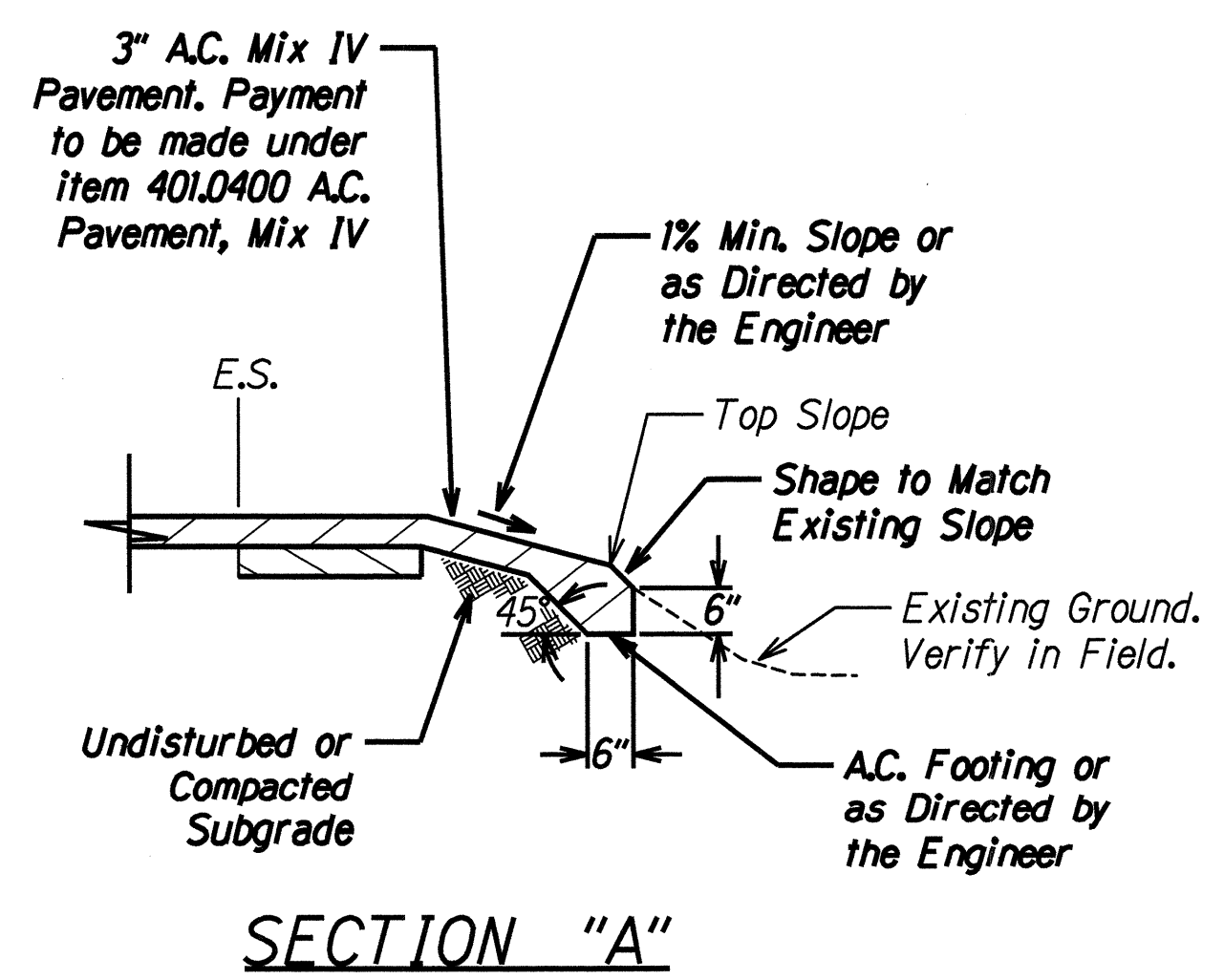
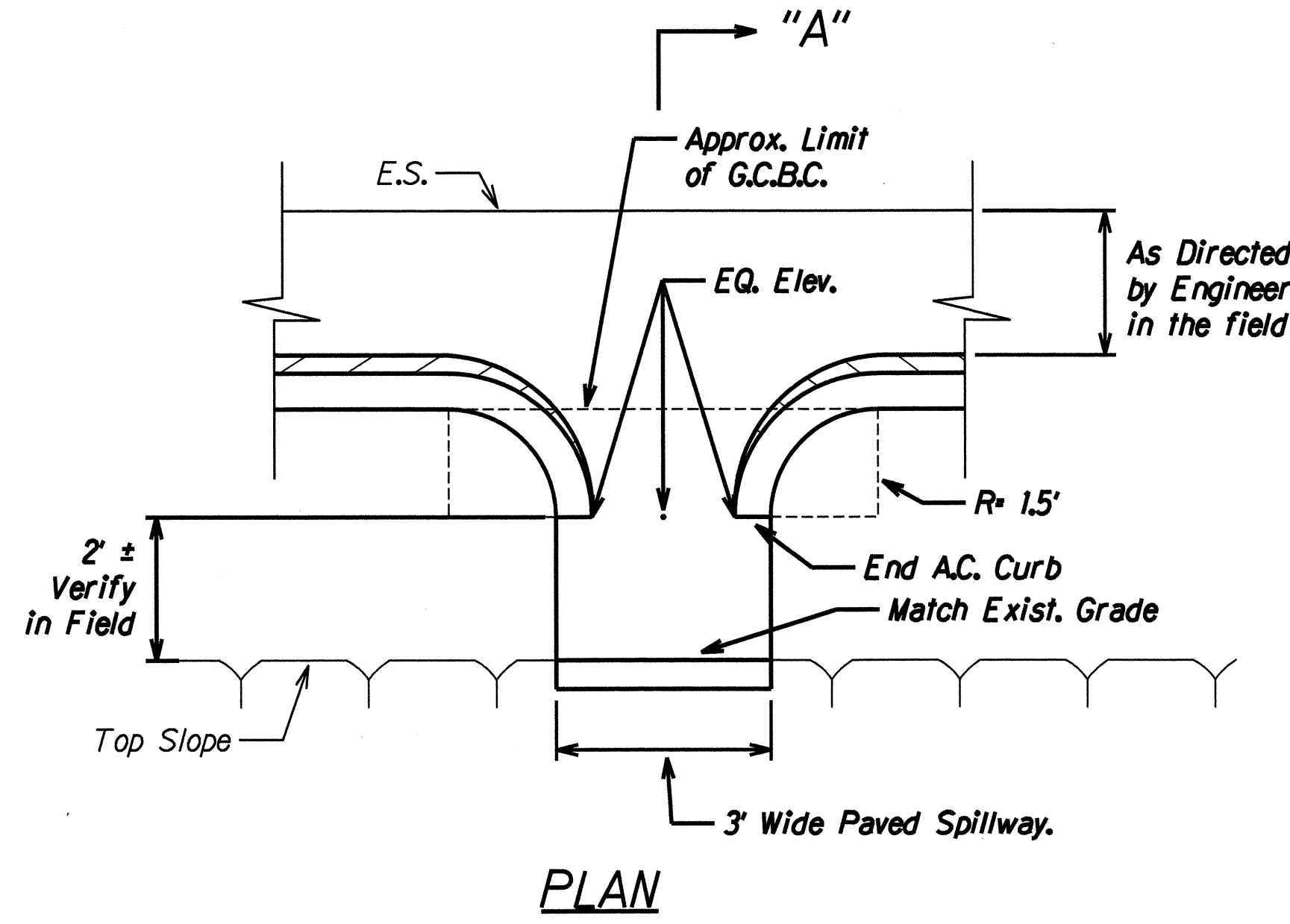
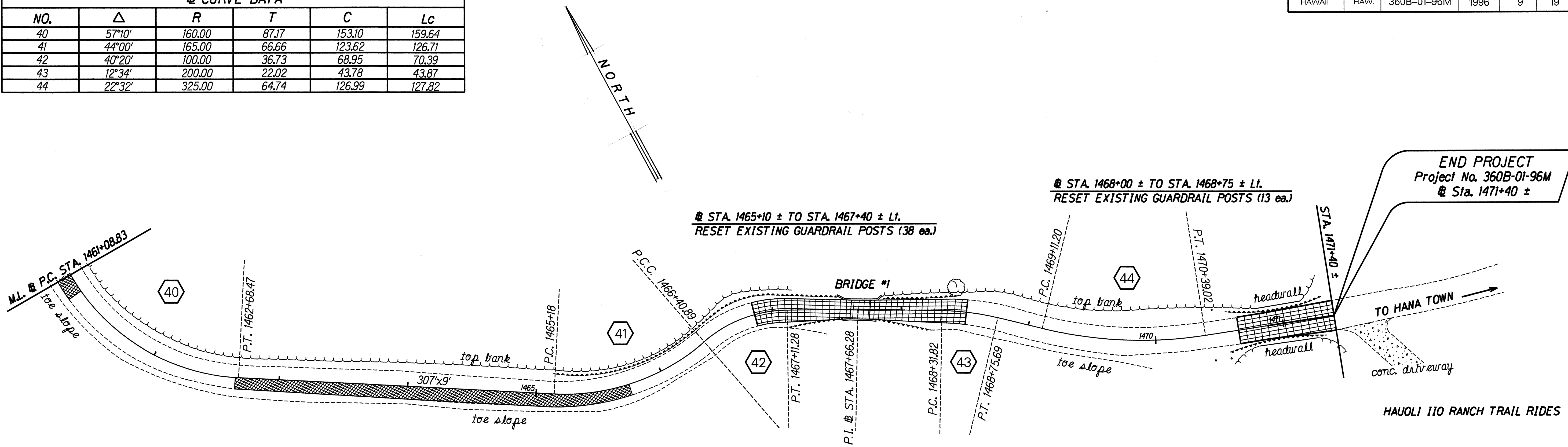
**HANA HIGHWAY RESURFACING
OLOWAI BRIDGE TO KALAHU
PROJECT NO. 360B-01-96M**

Scale: 1" = 40' Date: MAY, 1996

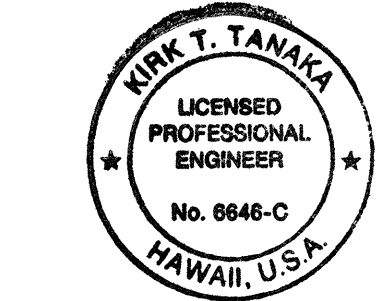
SHEET No. 4 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	360B-01-96M	1996	9	19

CURVE DATA					
NO.	Δ	R	T	C	Lc
40	57°10'	160.00	87.17	153.10	159.64
41	44°00'	165.00	66.66	123.62	126.71
42	40°20'	100.00	36.73	68.95	70.39
43	12°34'	200.00	22.02	43.78	43.87
44	22°32'	325.00	64.74	126.99	127.82



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	



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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY PLAN
 HANA HIGHWAY RESURFACING
 OILOWAI BRIDGE TO KALAHU
 PROJECT NO. 360B-01-96M
 Scale: AS NOTED Date: MAY, 1996
 SHEET No. 5 OF 5 SHEETS

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