

ADD.7

	GUARDRAIL WORK ITEMS					
ITEM	MP	0/5	DEMOLIT ION	CONSTRUCTION		
36	18.32	RT	Remove Guardrail & Concrete Posts - 600 LF	Install Metal Guardrail - 600 LF		
			Remove Type 'C' Terminal End - 1 EA	Reconstruct Type 'C' Terminal End - 1 EA		
			Remove Type 'F' Terminal End - 1 EA	Reconstruct Type 'F' Terminal End - 1 EA		
37	18.76	LT	Remove Guardrail 🛊 Concrete Posts -262.5 LF	Install Metal Guardrail - 262.5 LF		
			(Existing BCTs To Remain.)	Connect To Existing BCT Each End.		
38	18.92	LT	Remove Guardrail & Concrete Posts - 300 LF	Install Metal Guardrail - 300 LF		
			(Note : Guardrail With Steel Posts To Remain)	Connect To Existing Guardrail		
39	19.57	RT	Remove Guardrail & Concrete Posts - 325 LF	Install Metal Guardrail - 325 LF		
			(Note : Guardrail With Steel Posts To Remain)	Connect To Existing Guardrail		
40	19.72	RT	Remove Guardrail 🛊 Concrete Posts - 350 LF	Install Metal Guardrail - 350 LF		
			(Note : Guardrail With Steel Posts To Remain)	Connect To Existing Guardrail		
41	20.63	RT	Remove Guardrail ♦ Steel Posts - 250 (See Note 1)	Install Metal Guardrail - 250 LF		
	****		Remove W Beam End Sections (Flared) Each End - 0 LF	Construct SRT-350 Each End - 2 EA		
42	20.67	LT	Remove Guardrail 🛊 Steel Posts - 300 LF	Install Metal Guardrail 2- 300 LF		
			Remove W Beam End Section (Flared) - 0 LF	Construct SRT-350 - #EA		
43	20.86	RT	Remove W Beam End Sections (Flared) Each End - 0 LF	Construct SRT-350 At End - 2 EA		
44	20.90	LT	Remove Guardrail \$ Steel Posts - 225 (See Note 1)	Install Metal Guardrail - 225 LF		
			Remove W Beam End Section (Flared) (South End) - 0 LF	Construct SRT-350 South End - 1 EA		
	-			Connect To Existing BCT North End		
45	21.66	$RT \mid$	Remove Guardrail 🛊 Steel Posts - 125 (See Note 1)	Install Metal Guardrail - 125 LF 1		
			Remove W Beam End Sections (Flared) Each End - 0 LF	Construct SRT-350 Each End - 2 EA		
46	21.66	LT	Remove Guardrail \$ Steel Posts - 125 (See Note 1)	Install Metal Guardrail - 125 LF And Connect To Existing Type 'F'		
			Remove South W Beam End Section (Flared) - 0 LF	Construct SRT-350 - 1 EA		
47	21.89	RT	Remove Guardrail 🛊 Steel Posts - 200 (See Note 1)	Install Metal Guardrail <sub>1</sub> - 200 LF		
			Remove W Beam End Sections (Flared) Each End - 0 LF	Construct SRT-350 - <del>2</del> EA		
48	21.89	<u>LT</u>	Remove W Beam End Section (Flared) - 0 LF	Construct SRT-350 At End - 1 EA		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(40)	1998	ADD.8	13

## *Note:*

1. Portions of low or damaged existing Guardrail shall be replaced. Exact Limits to be determined by the Engineer during construction. Length of guardrail run removed and replaced shall be a minimum run of 100 L.F.

## LEGEND FOR AS-BUILT POSTINGS

 $\sim$ <del>100.00</del> Squiggly line for as-built deletion Double line for as-built deletion

Roadway

Text for as-built posting



5/8/98 Revised Guardrail Work Items Nos. 45 through 48 and Revised Note.

DATE REVISION

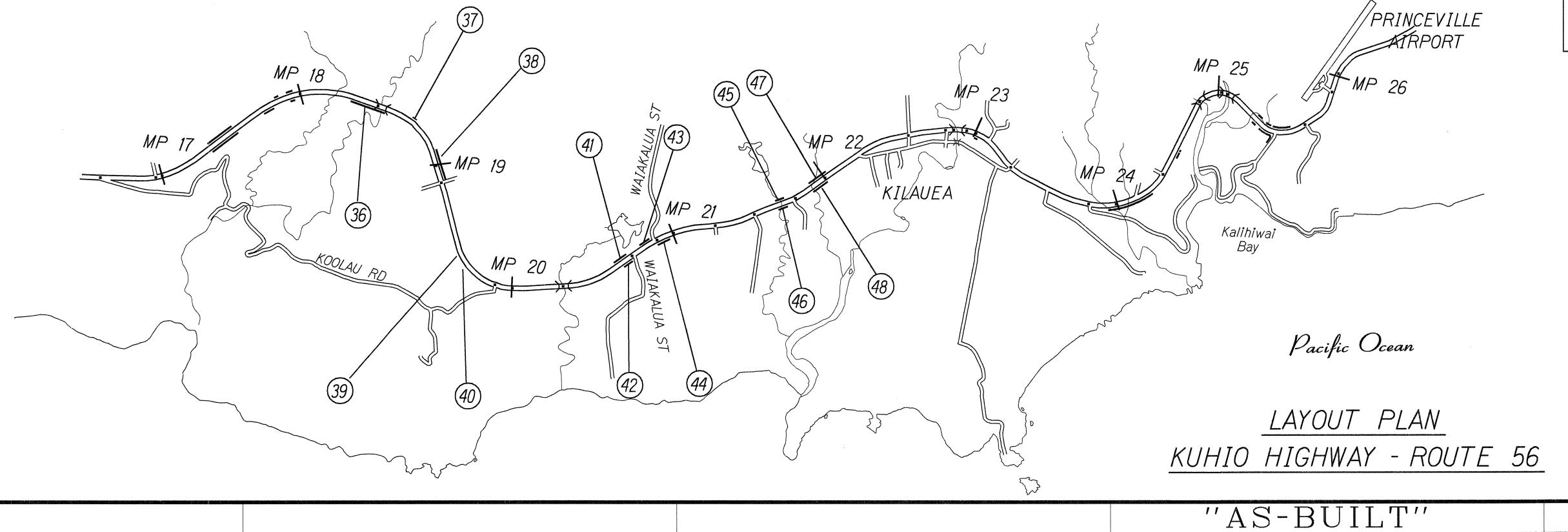
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## KUHIO HIGHWAY LAYOUT PLAN

Guardrail and Shoulder Improvements at Various Locations Fed. Aid Project No. STP-0700(40) Date: July, 1997

Scale: 1" = 2000'

SHEET No. 3 OF 4 SHEETS ADD.8



	-	C	GUARDRAIL WORK ITEMS	
ITEM	MP	0/5	DEMOLIT ION	CONSTRUCTION .
49	23.01	RT	Remove Ramped Terminal End - 37.5 LF	CONSTRUCTION ET-200.0  Construct SRT-350 At End - 1 EA
50	24.16	RT	Remove Guardrail ♦ Steel Posts -25 LF (North End) Remove Type 'D' Terminal End - 1 EACH	Construct SRT-350 At End - 1 EA
51	24.52	RT	Remove 2 W Beam End Sections (Flared) At Driveway - 0 LF Remove Guardrail \$ Steel Posts -62.5 LF (50' South \$ all North) Remove Type "F" Terminal End - 1 EACH	Construct ET-2000 - 1 EA.
52	25.32	RT	Remove 2 W Beam End Sections (Flared) - 0 LF	Install Metal Guardrail - 150 LF
			Remove Guardrail & Concrete Posts -150 LF	Construct SRT-350 Each End - 2 EA
53	25.32	LT	Remove 2 W Beam End Sections (Flared) - 0 LF	Install Metal Guardrail - 150 LF
			Remove Guardrail ♦ Concrete Posts -150 LF	Construct SRT-350 Each End - 2 EA
54	25.32	RT	Remove W Beam End Section (Flared) - 0 LF	Install Metal Guardrail - 475 LF
			Remove Guardrail ♦ Concrete Posts -475 LF	Construct \$\frac{1}{5\hat{1}} = 350 At South End - 1 EA
				Connect With Existing County Rail Around Curve
55	25.37	LT	Remove W Beam End Section (Flared) - 0 LF	Install Metal Guardrail - 200 LF Construct <del>SRT-350</del> At South End - 1 EA
			Remove Guardrail ♦ Concrete Posts -200 LF	Construct <del>\$RT-350</del> At South End - 1 EA
				Connect With Existing MELT North End
56	25.41	LT	Remove W Beam End Section (Flared) - 0 LF	Install Metal Guardrail - 525 LF
			Remove Guardrail ♦ Concrete Posts -525 LF	Construct SRT-350 At South End - 1 EA
				Connect With Existing Type 'C' North End
57	27.99	17	Remove 2 W Beam End Sections (Flared) - 0 LF	Construct SRT-350 Each End - 2 EA

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(40)	1998	ADD.9	13

## LEGEND FOR AS-BUILT POSTINGS

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Squiggly line for as-built deletion

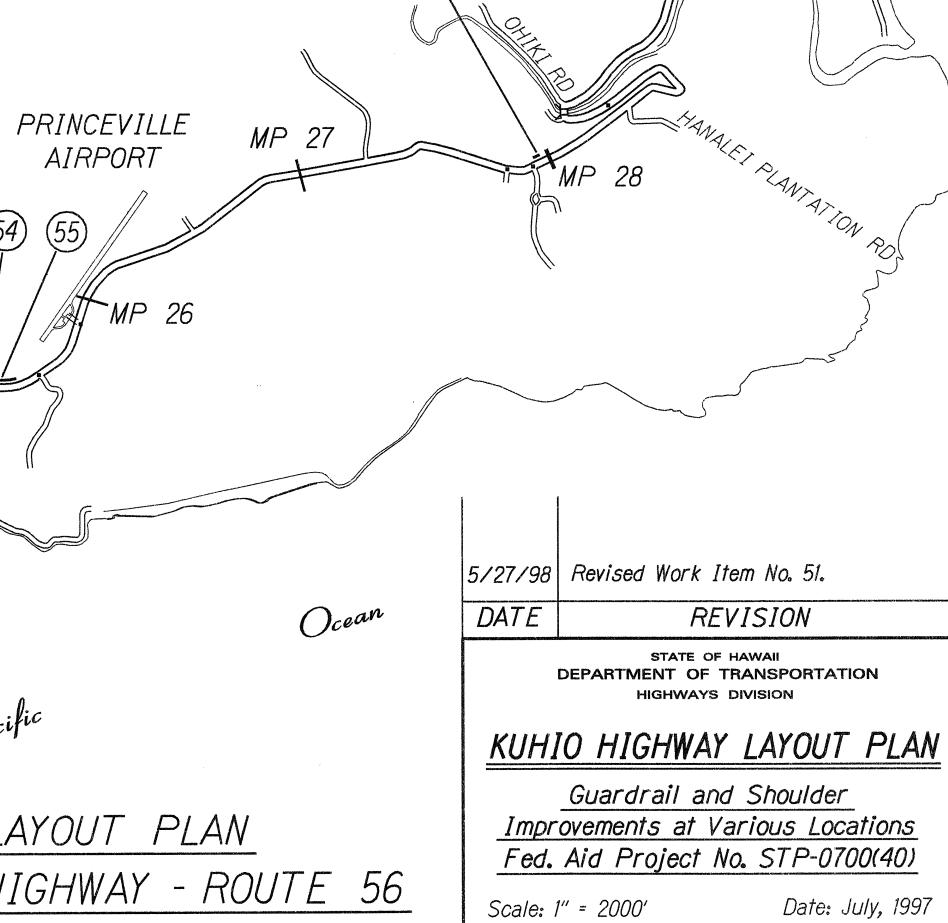
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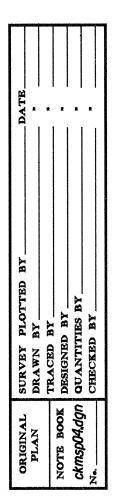
Double line for as-built deletion

Roadway

y Text for as-built posting

HANALEI





2

MP 18

MP 19

MP 20

MP

"AS-BUILT"

SHEET No. 4 OF 4 SHEETS

ADD.9