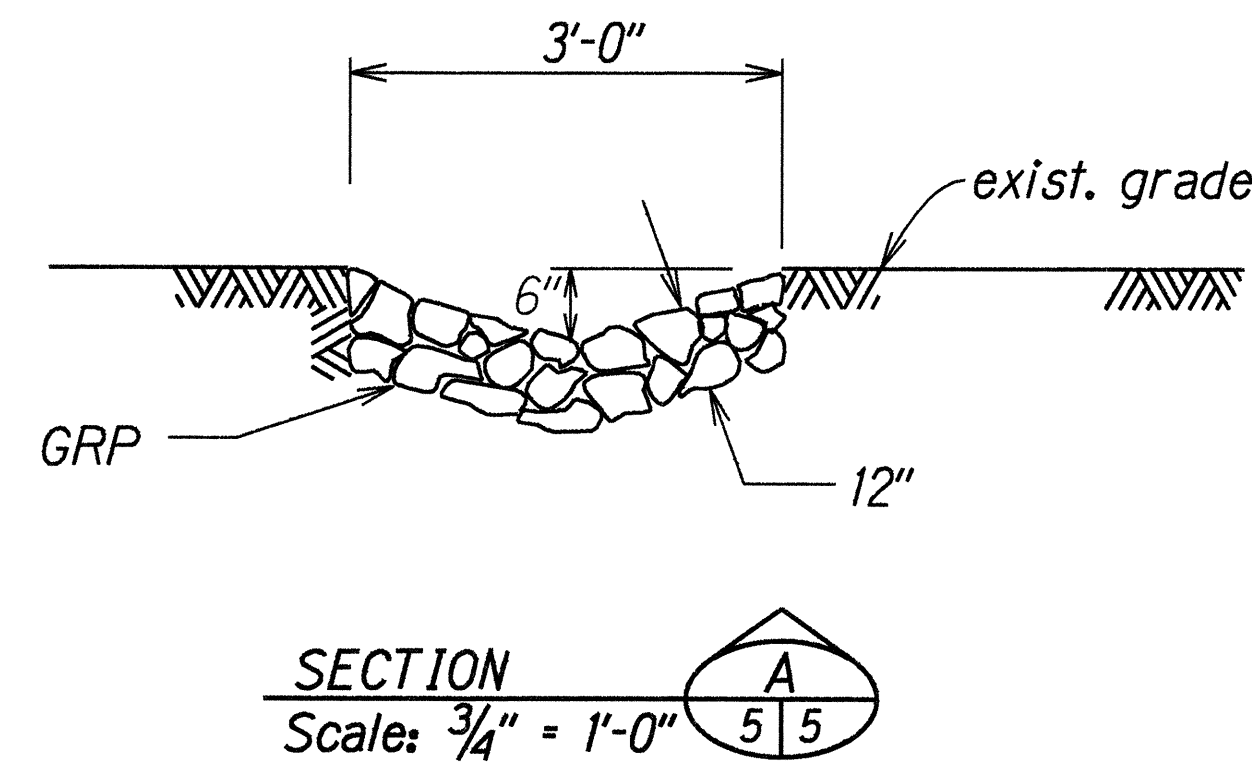
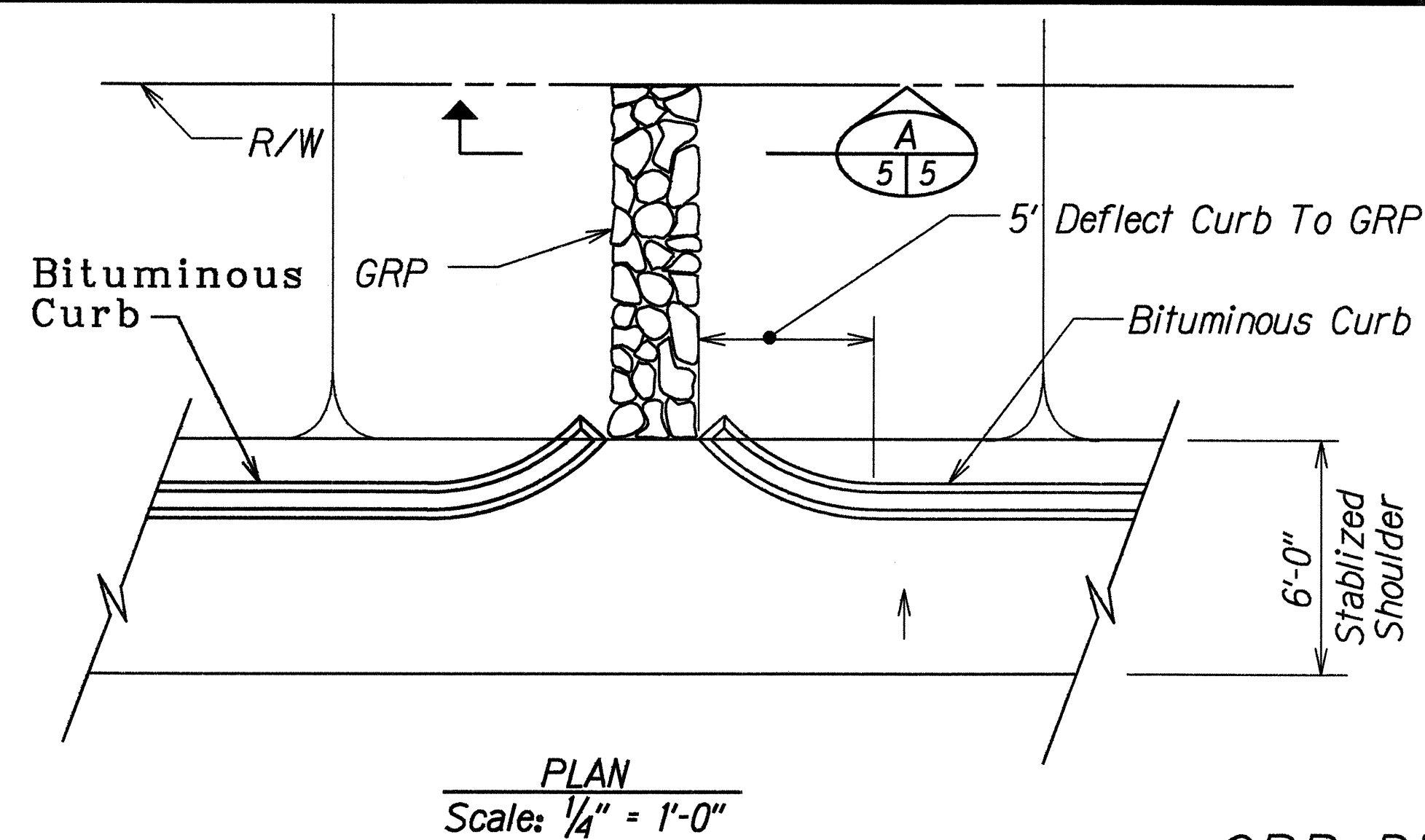
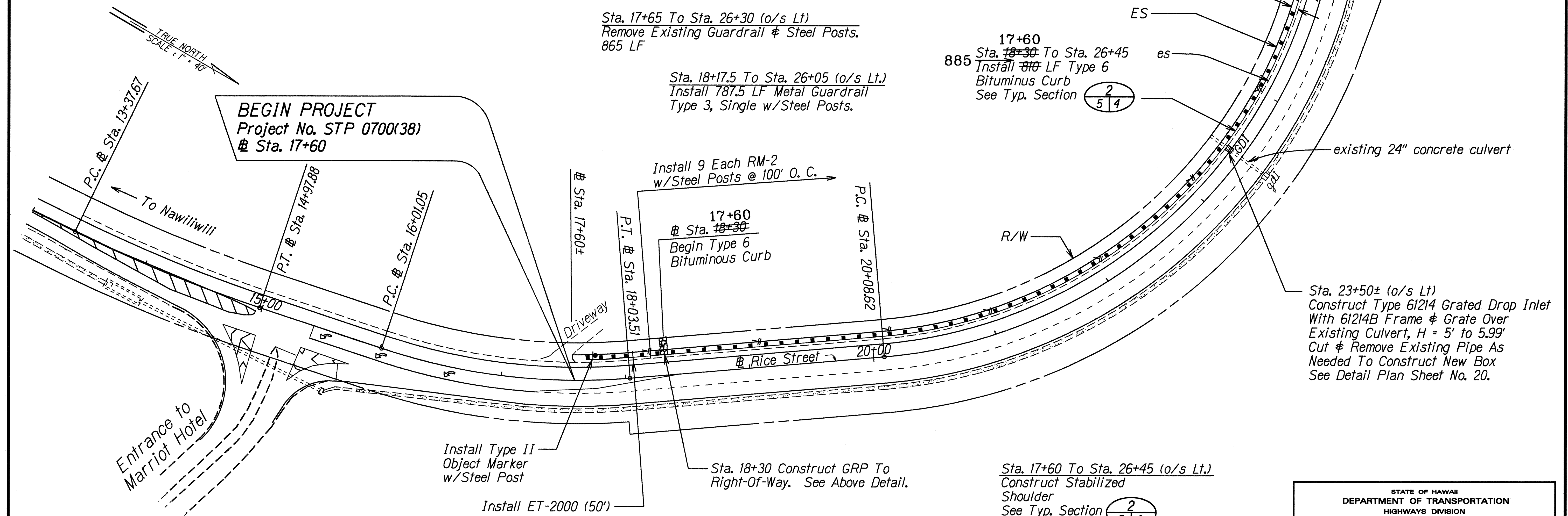


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	5	29



GRP DETAIL
Sta. 18+30 (o/s Lt.)

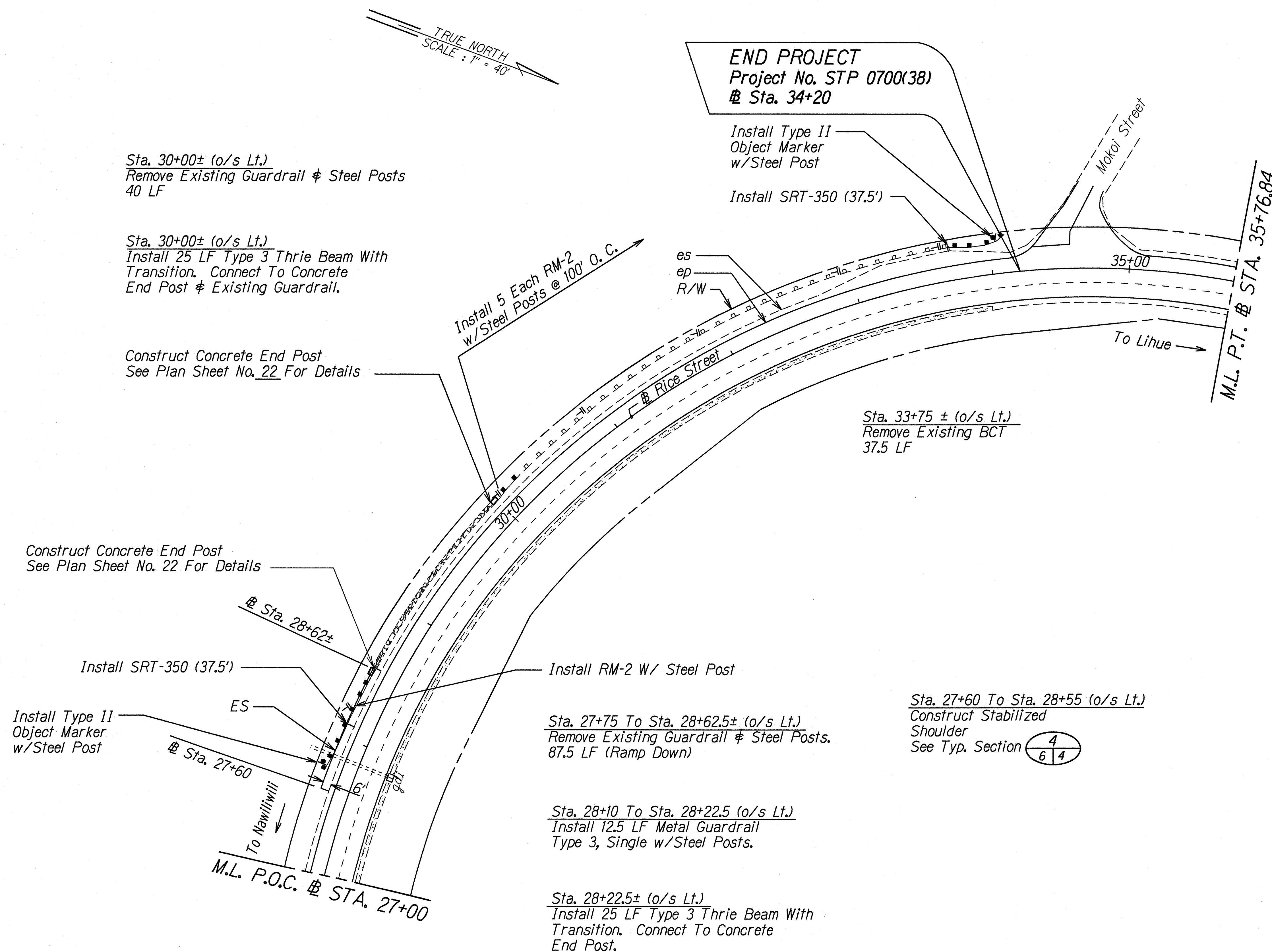


PLAN
RICE STREET

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
**RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD**
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS
FEDERAL AID PROJECT NO. STP-0700(38)
Scale: As Shown Date: Sept, 1996
SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	6	29



PLAN
RICE STREET

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	11/1/97
DESIGNED BY	CHECKED BY	
DATE		
BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

**RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS**

FEDERAL AID PROJECT NO. STP-0700(38)

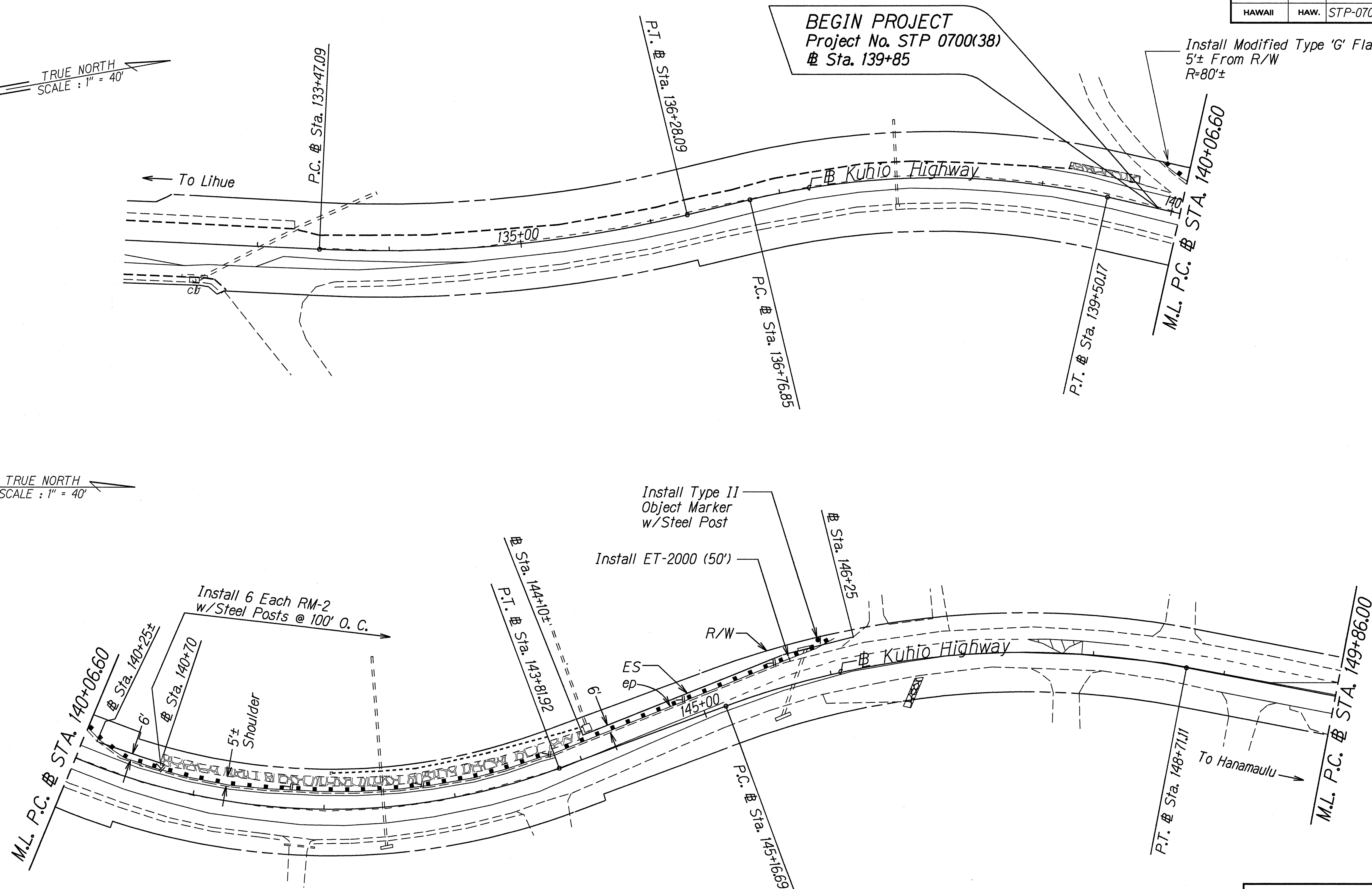
Scale: 1" = 40' Date: Sept, 1996

SHEET No. 2 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	7	29

TRUE NORTH
SCALE : 1" = 40'

TRUE NORTH
SCALE : 1" = 40'

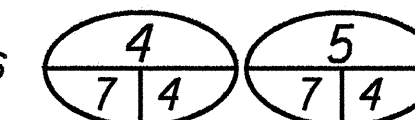


Sta. 139+85 To Sta. 145+35 (o/s Lt.)
Install 550 LF Metal Guardrail
Type 3, Single W/Steel Posts.
See Note 14 On Plan Sheet No. 3.

Sta. 139+85 To Sta. 145+60 (o/s Lt.)
Remove Existing Guardrail & Steel Posts.
575 LF

PLAN KUHIO HIGHWAY

Sta. 140+25 To Sta. 146+25 (o/s Lt.)
Construct Stabilized
Shoulder
See Typ. Sections



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
**RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD**
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS
FEDERAL AID PROJECT NO. STP-0700(38)
Scale: 1"=40' Date: Sept, 1996
SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	8	29

Sta. 157+00 To Sta. 157+75 (o/s Lt)
Remove Existing Guardrail & Steel Posts.
75 LF

Sta. 157+00 ± (o/s Lt.)
Install 25 LF Type 3 Thrie Beam With
Transition. Connect To Existing Bridge
& New Guardrail.

Type C
Install ~~ET-2000 (50')~~

Install 2 Each
Type II Object Marker
w/Steel Post

END PROJECT
Project No. STP 0700(38)
& Sta. 166+40

To Hanamaulu →
Install Type 'F' Flare

Install Type II
Object Marker
w/Steel Post

Sta. 161+15 To Sta. 165+90 (o/s Rt)
Remove Existing Guardrail &
Concrete Posts. 475 LF

Sta. 161+40 To Sta. 166+40 (o/s Rt)
Install 500 LF Metal Guardrail
Type 3, Single w/Steel Posts.

Sta. 157+25 To Sta. 157+87.5 (o/s Rt)
Remove Existing Guardrail & Steel Posts.
62.5 LF

Sta. 157+25 ± (o/s Lt.)
Install 25 LF Type 3 Thrie Beam With
Transition. Connect To Existing Bridge
& Existing Guardrail.

Sta. 157+50 To Sta. 157+75 (o/s Rt)
Install 25 LF Metal Guardrail
Type 3, Single W/Steel Posts.

Install 2 Each RM-2
w/Steel Posts
SRT 350
Install ~~ET-2000 (50')~~

Sta. 153+45± (o/s Rt)
Remove Existing BCT
37.5 LF

Install ET-2000 (50')

Install 3 Each RM-2
w/Steel Posts @ 100' O. C.

Install 3 Each RM-2
w/Steel Posts @ 100' O. C.

Install SRT-350 (37.5')

Install 2 Each
Type II Object Marker
w/Steel Post

Install 5 Each RM-2
w/Steel Posts @ 100' O. C.

Install Type II
Object Marker
w/Steel Post

Install SRT-350 (37.5')

Sta. 153+30 (o/s Lt)
Remove Existing BCT
37.5 LF

Sta. 155+35 To Sta. 155+60 (o/s Lt)
Remove Existing Guardrail & Steel Posts.
25 LF

Sta. 155+35 ± (o/s Lt.)
Install 25 LF Type 3 Thrie Beam With
Transition. Connect To Existing Bridge
& Existing Guardrail.

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

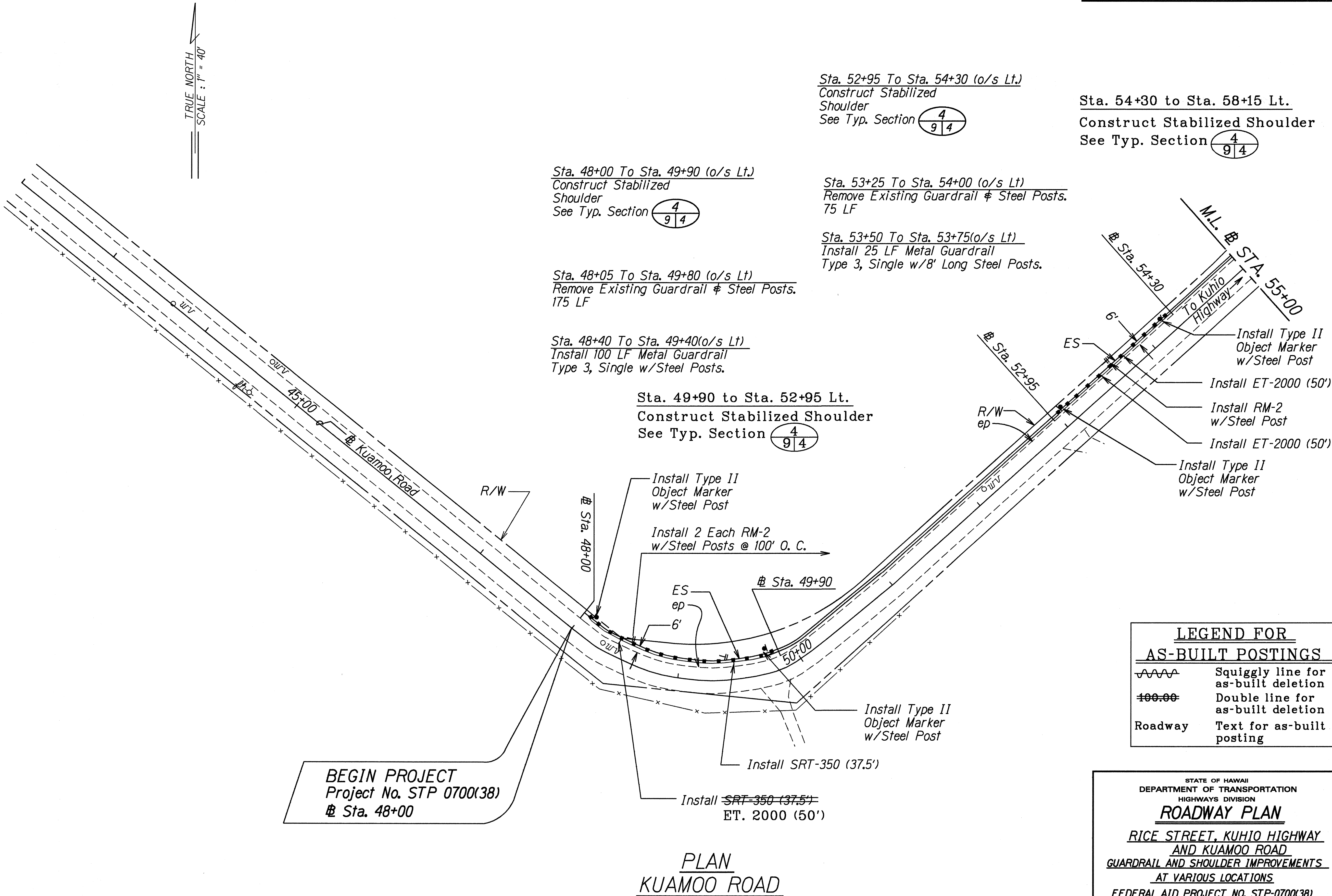
PLAN KUHIO HIGHWAY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
**RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD**
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS
FEDERAL AID PROJECT NO. STP-0700(38)

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

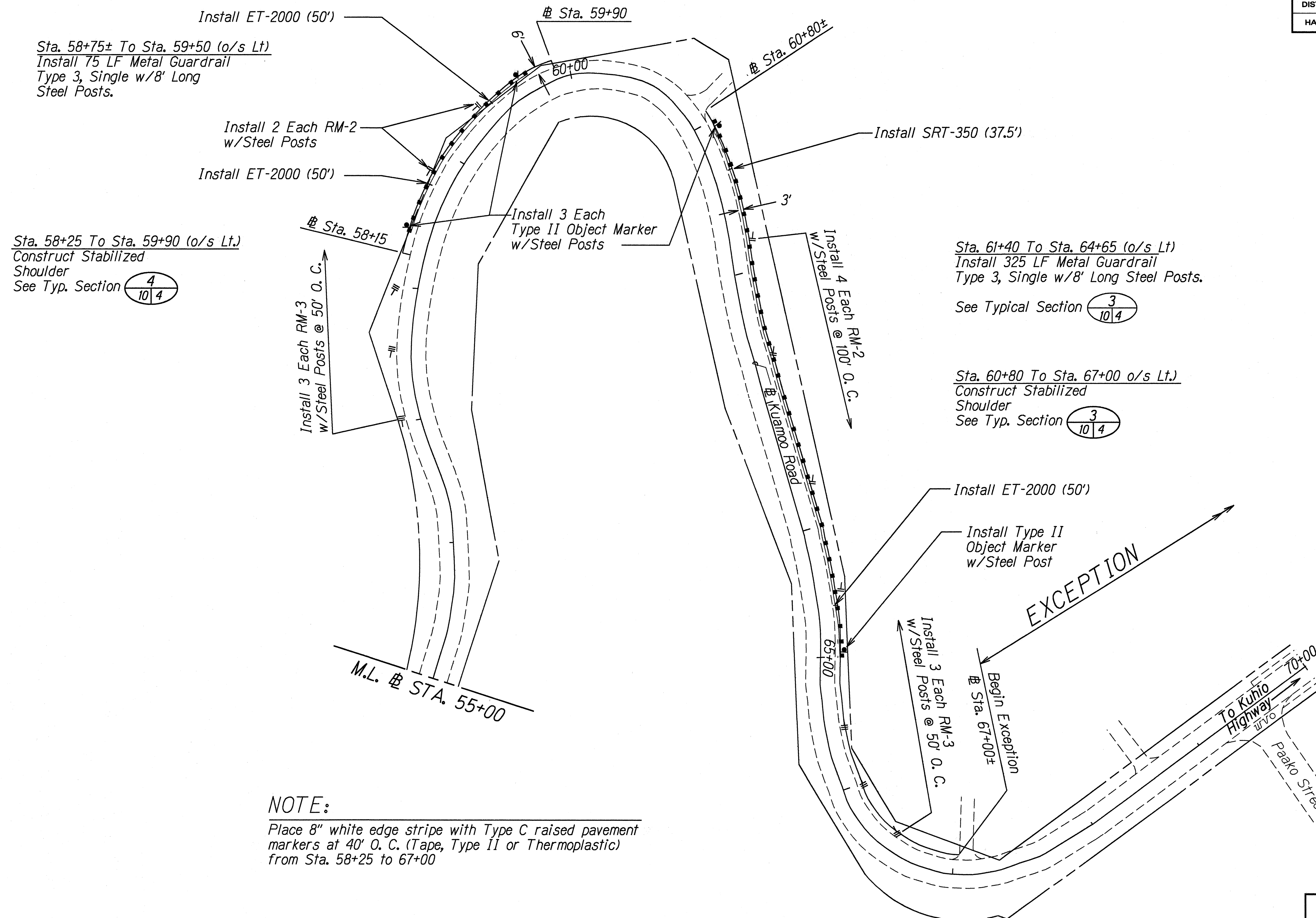
SHEET No. 2 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	9	29



DATE	10/18/97
SURVEY PLANNED BY	SMITH
DRAWN BY	SMITH
DESIGNED BY	SMITH
CHECKED BY	SMITH
ORIGINAL PLAN	SMITH
NO. 1	SMITH
NO. 2	SMITH
NO. 3	SMITH
NO. 4	SMITH
NO. 5	SMITH
NO. 6	SMITH
NO. 7	SMITH
NO. 8	SMITH
NO. 9	SMITH
NO. 10	SMITH
NO. 11	SMITH
NO. 12	SMITH
NO. 13	SMITH
NO. 14	SMITH
NO. 15	SMITH
NO. 16	SMITH
NO. 17	SMITH
NO. 18	SMITH
NO. 19	SMITH
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NO. 28	SMITH
NO. 29	SMITH
NO. 30	SMITH
NO. 31	SMITH
NO. 32	SMITH
NO. 33	SMITH
NO. 34	SMITH
NO. 35	SMITH
NO. 36	SMITH
NO. 37	SMITH
NO. 38	SMITH
NO. 39	SMITH
NO. 40	SMITH
NO. 41	SMITH
NO. 42	SMITH
NO. 43	SMITH
NO. 44	SMITH
NO. 45	SMITH
NO. 46	SMITH
NO. 47	SMITH
NO. 48	SMITH
NO. 49	SMITH
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NO. 51	SMITH
NO. 52	SMITH
NO. 53	SMITH
NO. 54	SMITH
NO. 55	SMITH
NO. 56	SMITH
NO. 57	SMITH
NO. 58	SMITH
NO. 59	SMITH
NO. 60	SMITH
NO. 61	SMITH
NO. 62	SMITH
NO. 63	SMITH
NO. 64	SMITH
NO. 65	SMITH
NO. 66	SMITH
NO. 67	SMITH
NO. 68	SMITH
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NO. 70	SMITH
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NO. 72	SMITH
NO. 73	SMITH
NO. 74	SMITH
NO. 75	SMITH
NO. 76	SMITH
NO. 77	SMITH
NO. 78	SMITH
NO. 79	SMITH
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NO. 89	SMITH
NO. 90	SMITH
NO. 91	SMITH
NO. 92	SMITH
NO. 93	SMITH
NO. 94	SMITH
NO. 95	SMITH
NO. 96	SMITH
NO. 97	SMITH
NO. 98	SMITH
NO. 99	SMITH
NO. 100	SMITH

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	10	29



NOTE:

Place 8" white edge stripe with Type C raised pavement markers at 40' O. C. (Tape, Type II or Thermoplastic) from Sta. 58+25 to 67+00

PLAN
KUAMOO ROAD

NOTE BOOK	DATE	7/17/97
88476508		
8KINSK008		
	QUANTITIES BY	
	CHECKED BY	
	DESIGNED BY	SMITHKAWA
	TRACED BY	SMITHKAWA
ORIGINAL	DRAWN BY	SMITHKAWA
PLAN	SURVEY PLOTTED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD

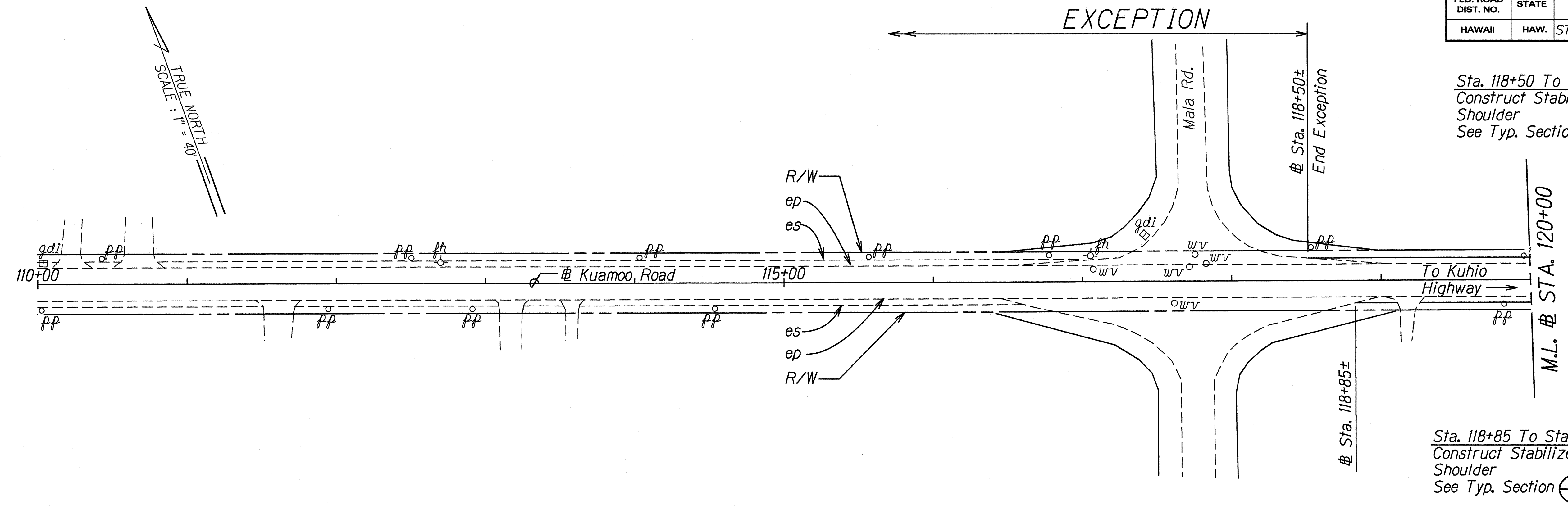
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS

FEDERAL AID PROJECT NO. STP-0700(38)

Scale: 1" = 40' Date: Sept, 1999

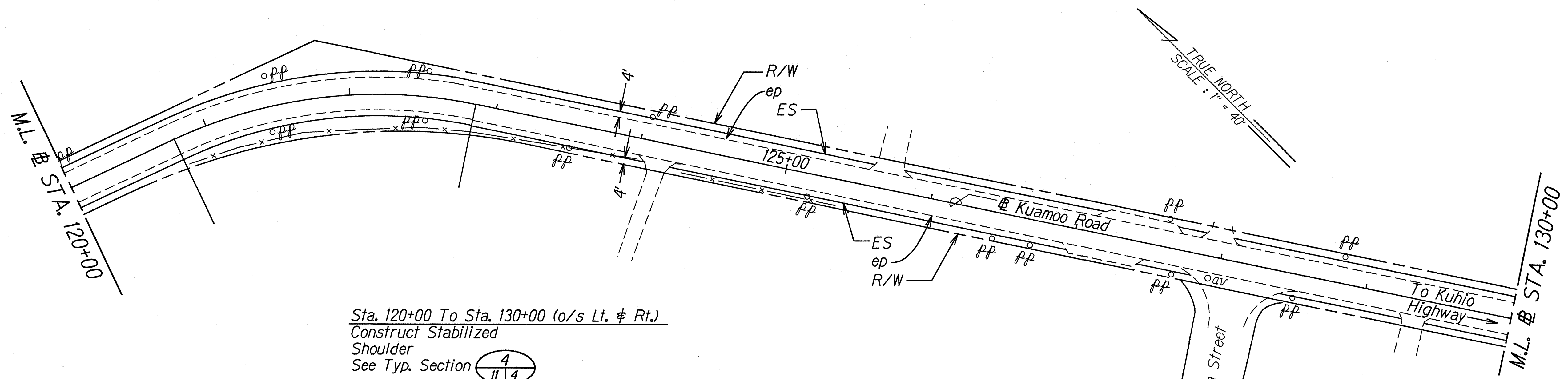
SHEET No. 2 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	11	29



Sta. 118+50 To Sta. 120+00 (o/s Lt.)
Construct Stabilized
Shoulder
See Typ. Section $\frac{4}{11\ 4}$

Sta. 118+85 To Sta. 120+00 (o/s Rt.)
Construct Stabilized
Shoulder
See Typ. Section $\frac{4}{11\ 4}$



Sta. 120+00 To Sta. 130+00 (o/s Lt. & Rt.)
Construct Stabilized
Shoulder
See Typ. Section $\frac{4}{11\ 4}$

PLAN KUAMOO ROAD

ORIGINAL PLAN	DATE
DRAWN BY: SMD/16MB	7/19/97
CHECKED BY: SMD/16MB	
NOTED BY: SMD/16MB	
QUANTITIES BY: SMD/16MB	
CHECKED BY: SMD/16MB	

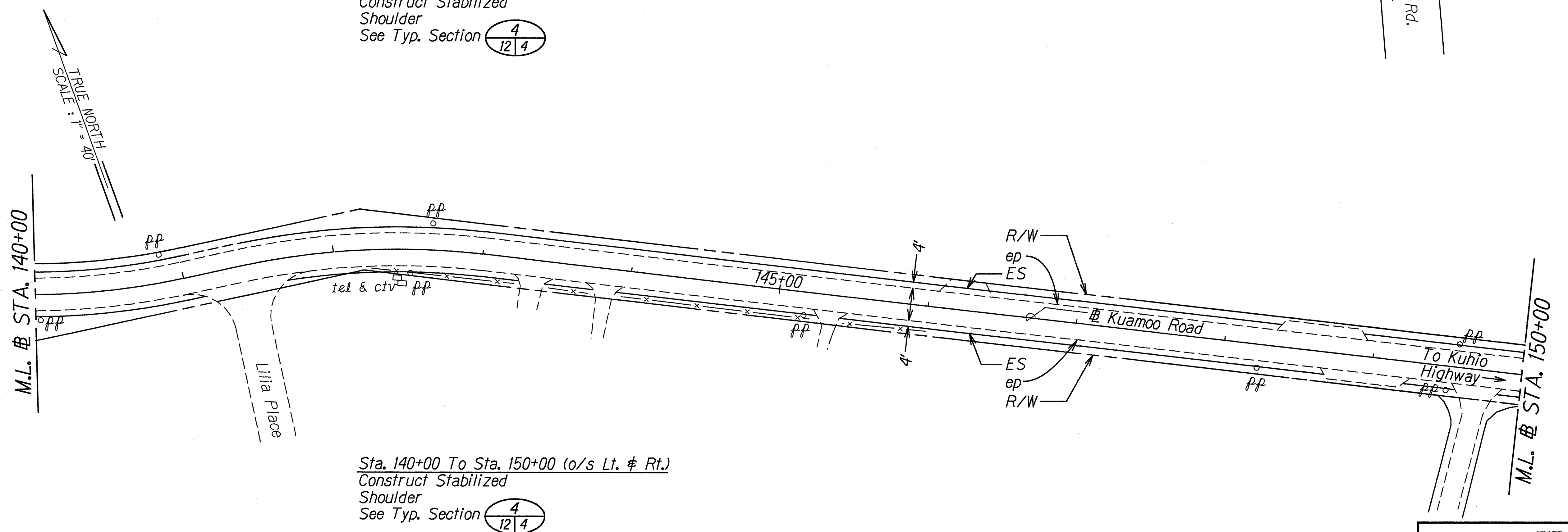
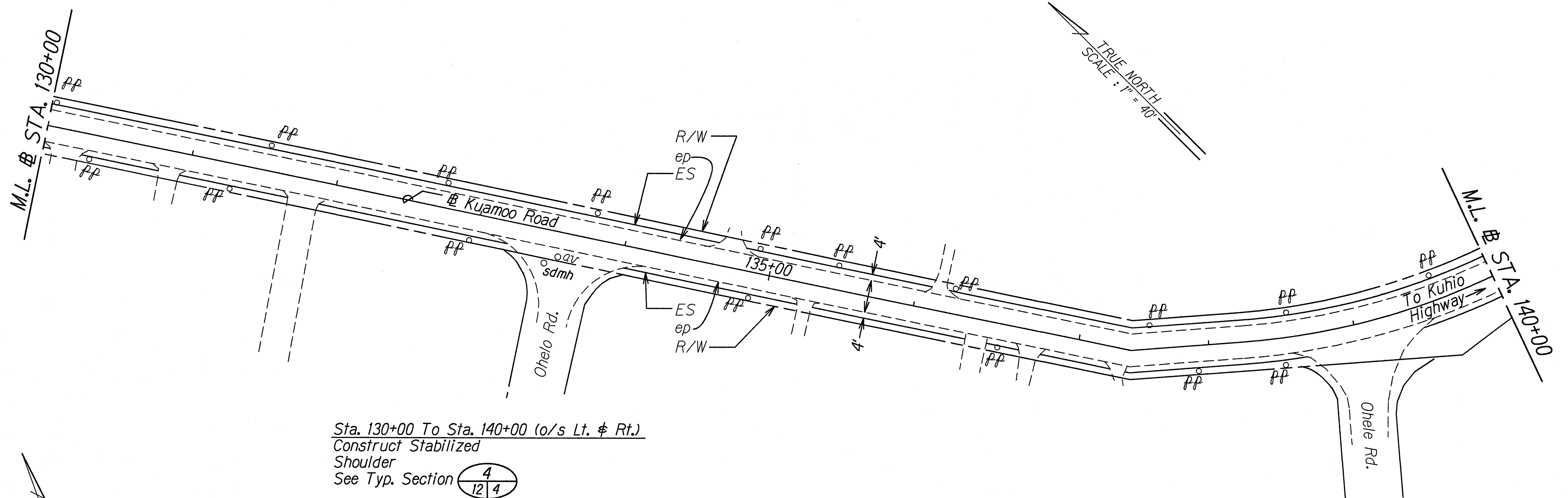
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS
FEDERAL AID PROJECT NO. STP-0700(38)

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

SHEET No. 3 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	12	29

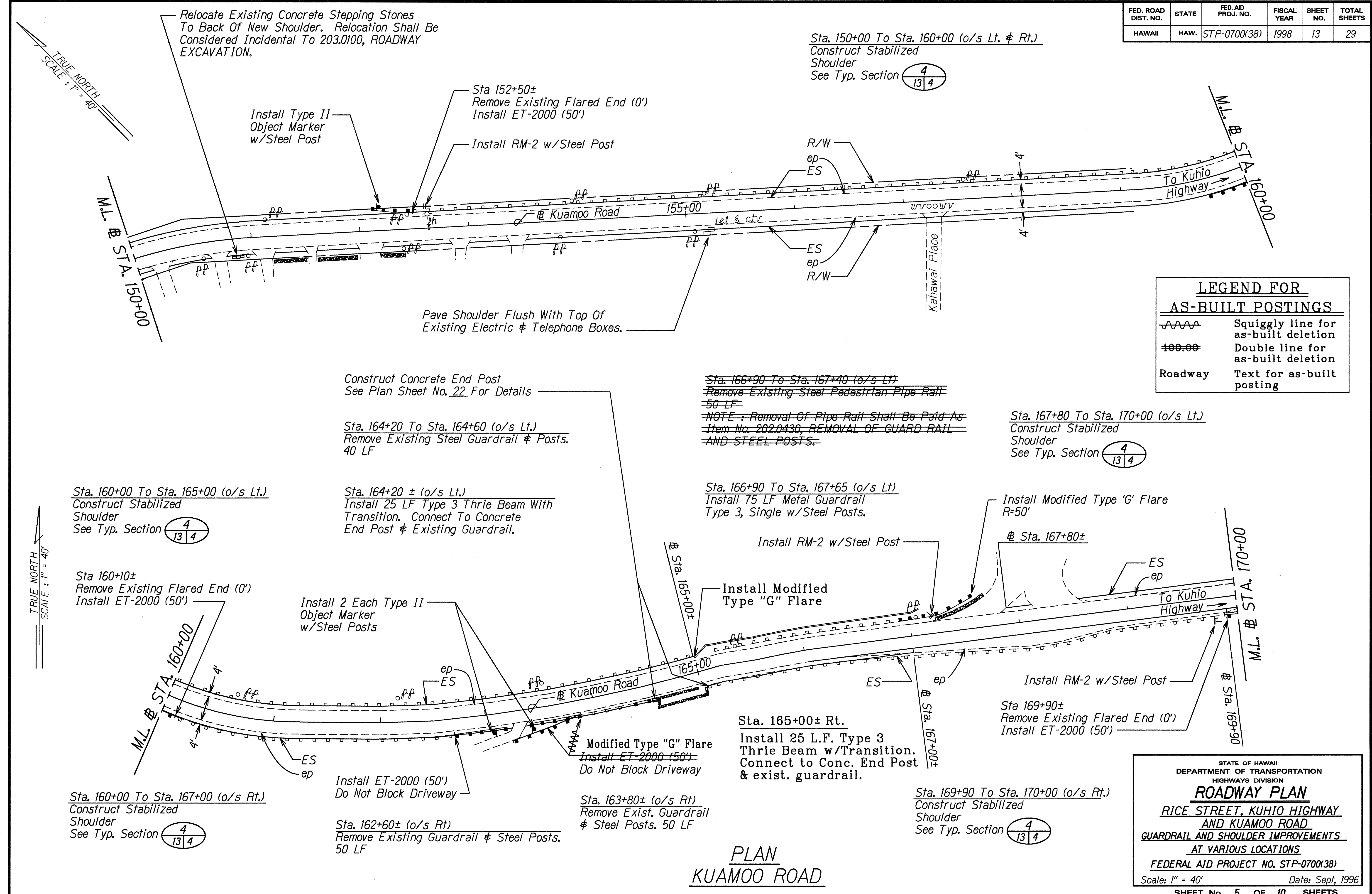


PLAN
KUAMOO ROAD

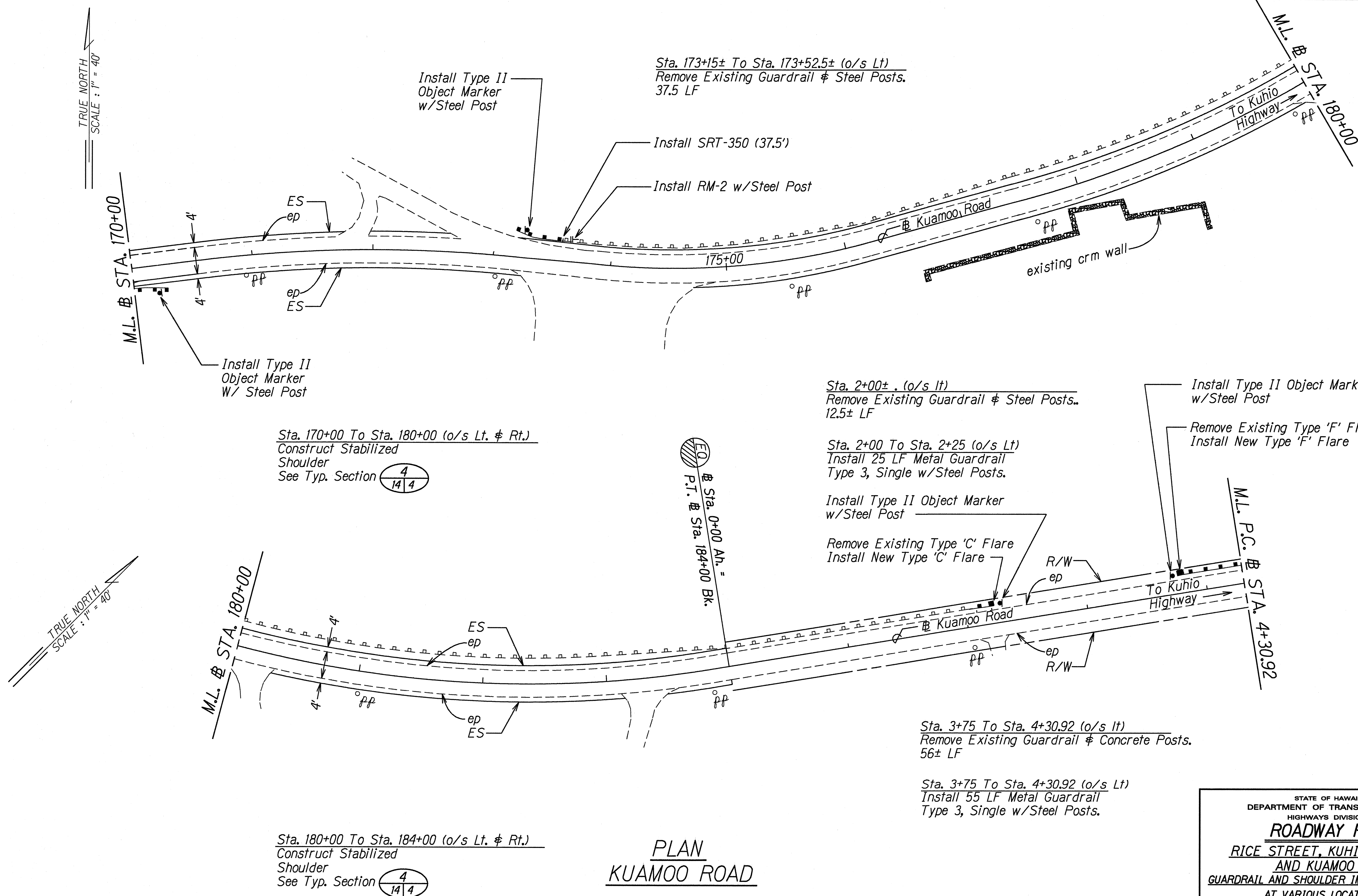
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	7/19/97
DRAWN BY	SMW/KWB
NOTED BY	SMW/KWB
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS
FEDERAL AID PROJECT NO. STP-0700(38)
Scale: 1" = 40' Date: Sept, 1996
SHEET No. 4 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	13	29



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	14	29

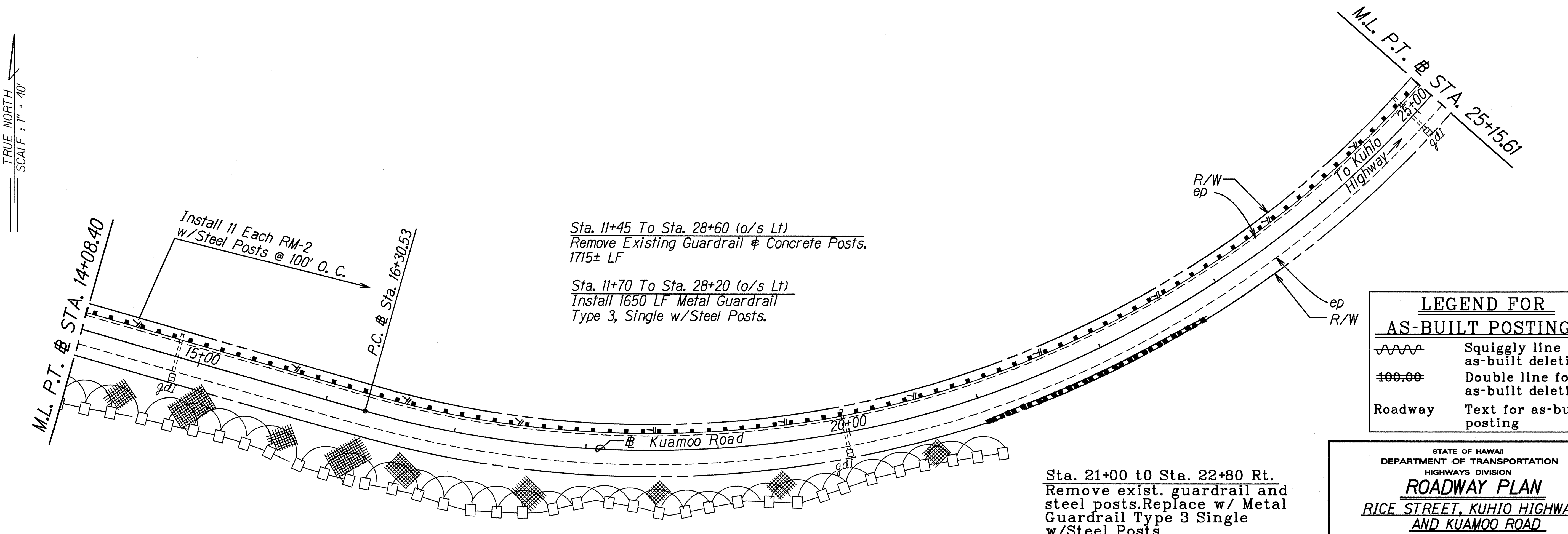
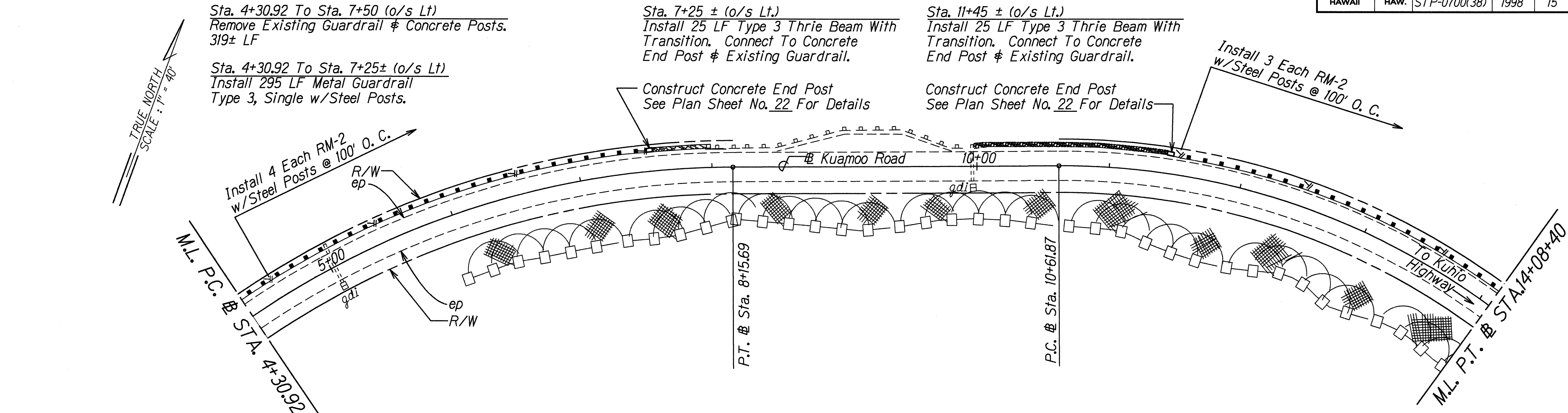


PLAN
KUAMOO ROAD

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS
FEDERAL AID PROJECT NO. STP-0700(38)
Scale: 1" = 40' Date: Sept, 1996
SHEET No. 6 OF 10 SHEETS

DATE	7/19/97
DESIGNED BY	SM/11/1997
TRACED BY	SM/11/1997
NOTED BY	SM/11/1997
CHECKED BY	SM/11/1997
APPROVED BY	SM/11/1997

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	15	29



LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

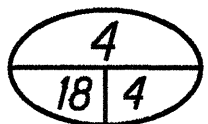
ROADWAY PLAN
RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS
FEDERAL AID PROJECT NO. STP-0700(38)
Scale: 1" = 40'

Date: Sept, 1996
SHEET No. 7 OF 10 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
PLAN	DRAWN BY	7/15/97
NOTE BOOK	PLACED BY	
004,000	QUANTITIES BY	
000000	CHECKED BY	
N		

PLAN
KUAMOO ROAD

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(38)	1998	18	29

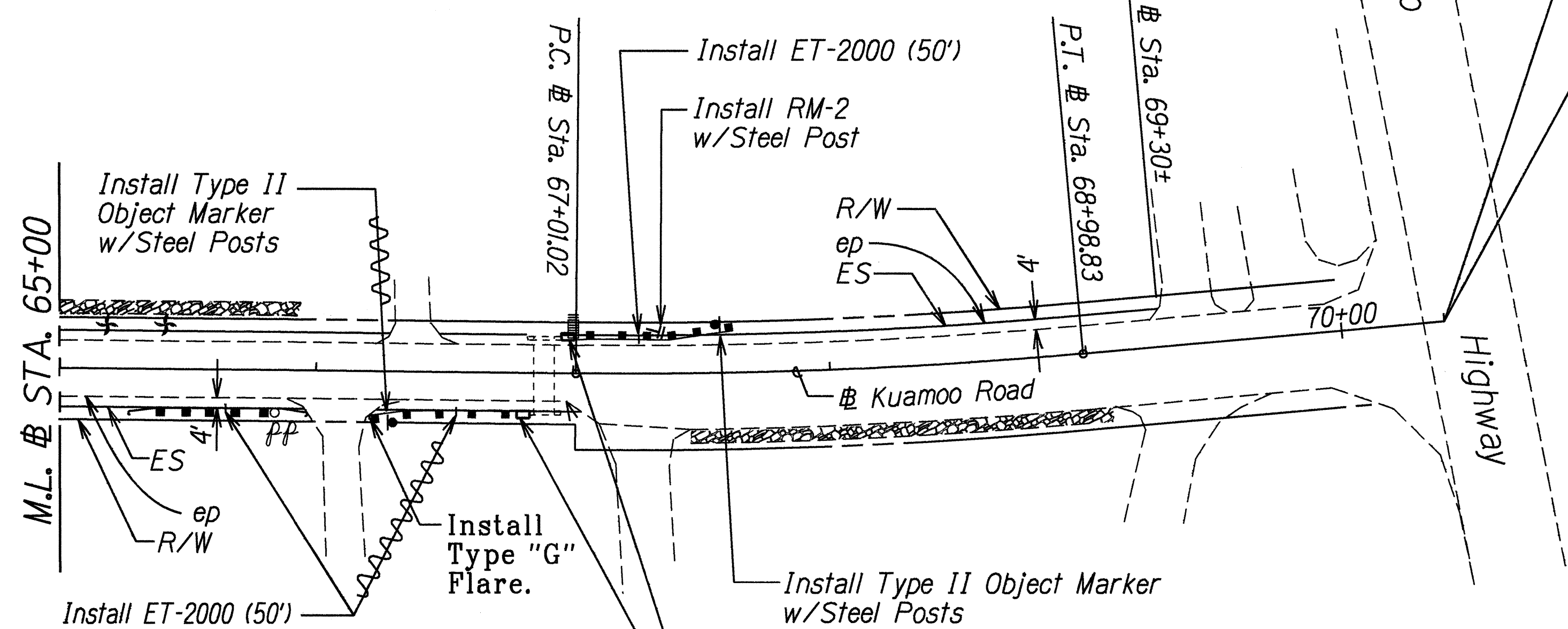
Sta. 65+00 To Sta. 69+30 (o/s Lt.)
Construct Stabilized
Shoulder
See Typ. Section 

Sta. 66+85 To Sta. 67+35 (o/s Lt.)
Remove Existing Guardrail & Steel Posts.
50 LF

Sta. 67+15 To Sta. 67+40 (o/s Lt.)
Install 25 LF Type 3 Thrie Beam With
Transition. Connect To Concrete
End Post & New SRT

Sta. 67+40 To Sta. 67+52.5 (o/s Lt.)
Install 12.5 LF Metal Guardrail
Type 3, Single w/Steel Posts.

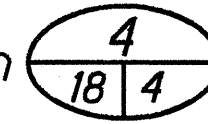
TRUE NORTH
SCALE: 1" = 40'



Sta. 66+45 To Sta. 66+82.5 (o/s Rt.)
Remove Existing Guardrail & Steel Posts.
37.5 LF

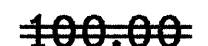
Sta. 66+57.5 To 66+82.5 (o/s Rt.)
Install 25 LF Type 3 Thrie Beam With
Transition. Connect To Concrete
End Post & New ~~SRT~~ Modified Type "G" Flare

Rt.
Sta. 66+45 To Sta. 66+57.5 (o/s ~~Lt.~~)
Install 12.5 LF Metal Guardrail
Type 3, Single w/Steel Posts, & New
Modified Type "G" Flare.

Sta. 65+00 To Sta. 67+00 (o/s Rt.)
Construct Stabilized
Shoulder
See Typ. Section 

Sta. 65+38 to Sta. 65+88 (O/S Rt.)
Install 50 L.F. Metal Guardrail
Type 3, Single w/Steel Posts and
New Modified Type "G" Flares.

PLAN KUAMOO ROAD

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
RICE STREET, KUHIO HIGHWAY
AND KUAMOO ROAD
GUARDRAIL AND SHOULDER IMPROVEMENTS
AT VARIOUS LOCATIONS
FEDERAL AID PROJECT NO. STP-0700(38)
Scale: 1" = 40'

Date: Sept, 1996
SHEET No. 10 OF 10 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	7/19/97
QUANTITIES BY	TRACED BY	
CHECKED BY	NOTED BY	
	DESIGNED BY	
	CHECKED BY	