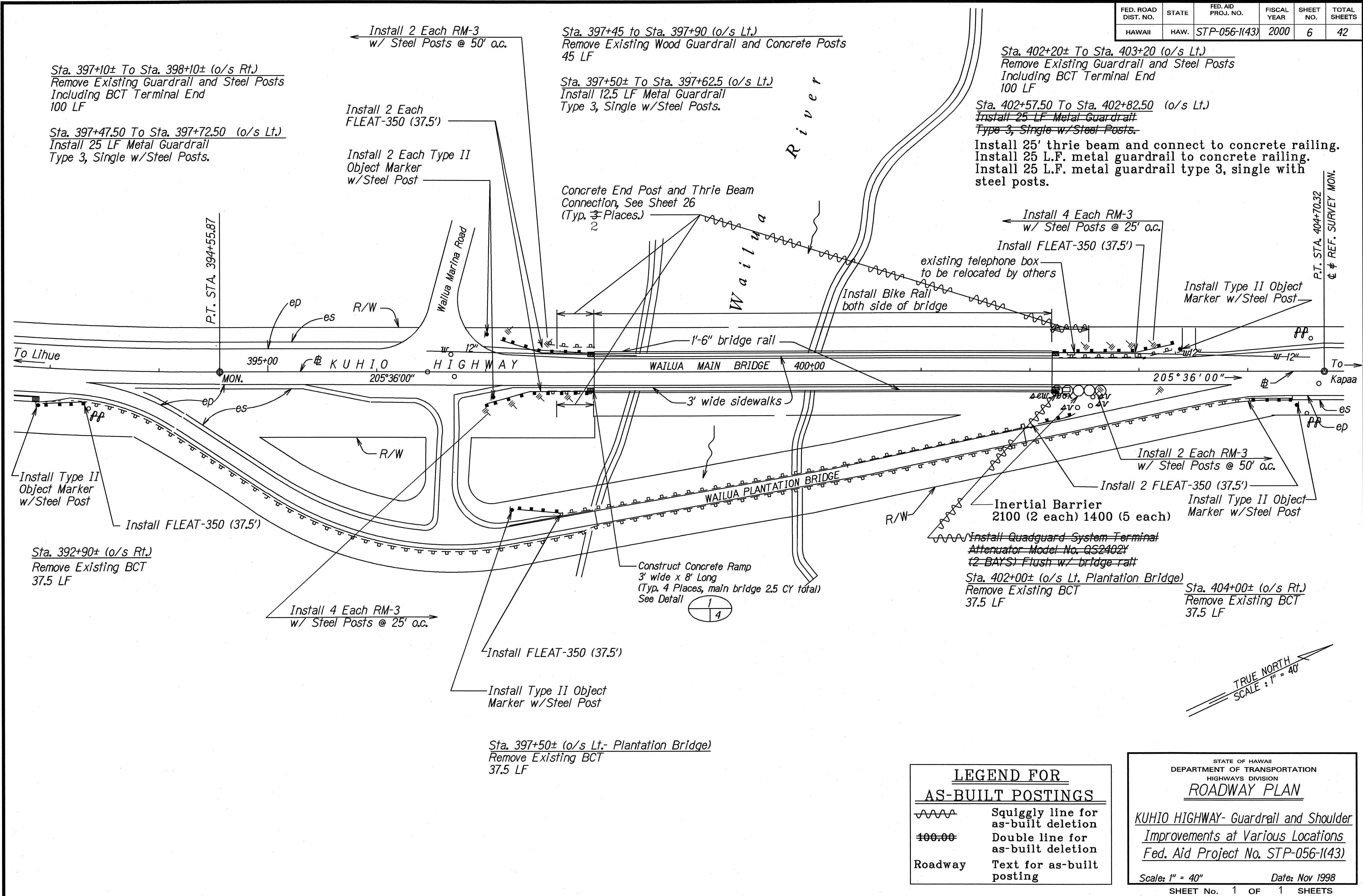


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(43)	2000	6	42

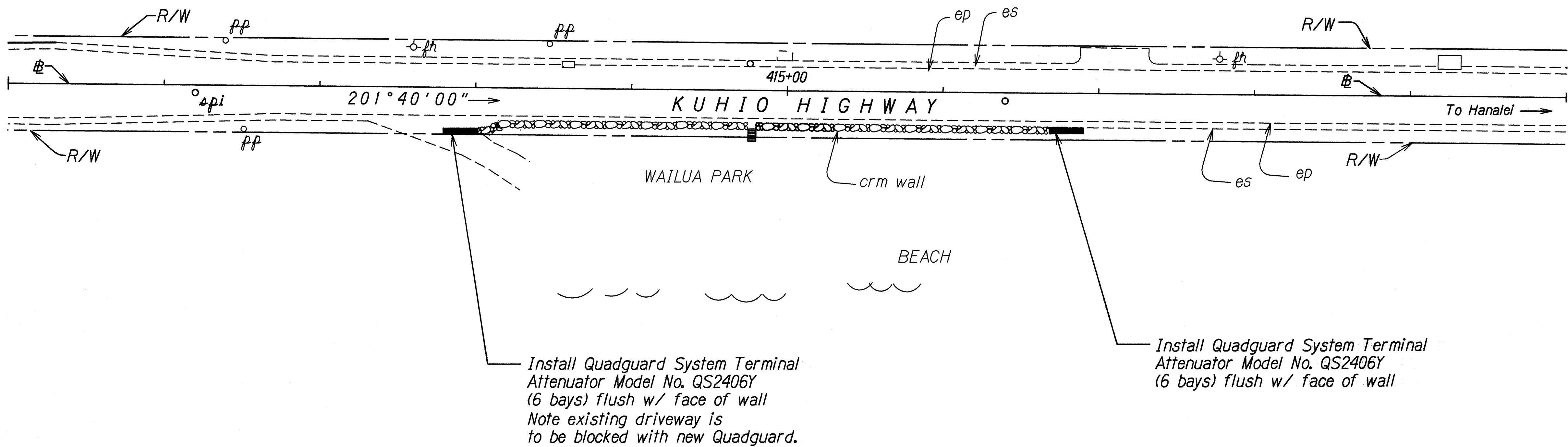


ORIGINAL PLAN	DATE
DESIGNED BY	11/11/98
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(43)	2000	7	42

COCO PALMS RESORT

TRUE NORTH
SCALE : 1" = 40'



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTES	DRAWN BY	10/21/98
10/21/98	CHECKED BY	
10/21/98		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN

KUHIO HIGHWAY- Guardrail and Shoulder
Improvements at Various Locations
Fed. Aid Project No. STP-056-1(43)
Scale: As Shown Date: Nov 1998
SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(43)	2000	8	42

NOTES:

1. *Repair post holes and any other damage to Sidewalk due to removal of guardrail with concrete. Repair shall be considered incidental to other items of work.*
2. *Note guardrail posts go thru concrete ramp. Contractor may place posts first and pour concrete around posts or Contractor may block out for posts and place after pour.*

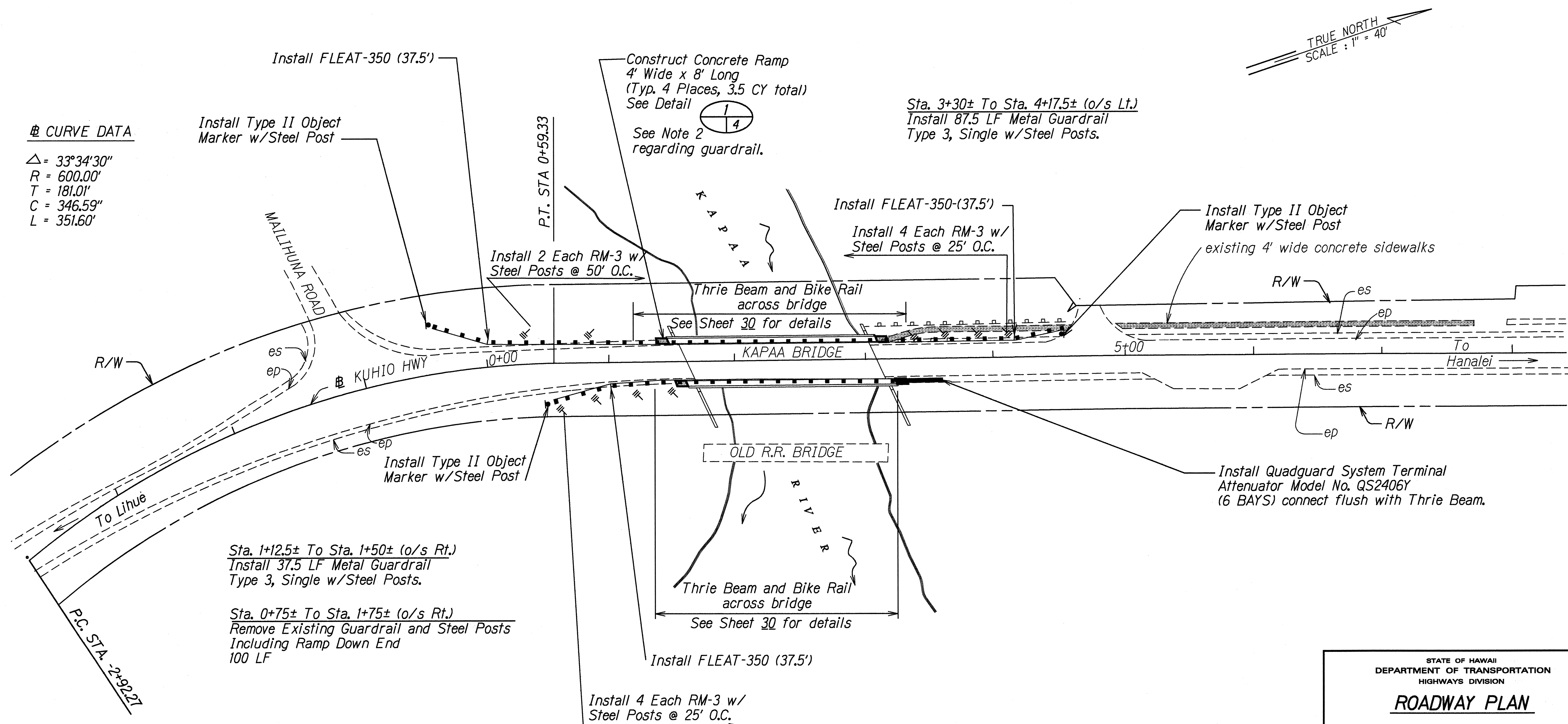
Sta. -0+20± To Sta. 1+55± (o/s Lt.)
Remove Existing Guardrail and Steel Posts
Including BCT Terminal End
175 LF

Sta. 0+05± To Sta. 1+30± (o/s Lt.)
Install 125 LF Metal Guardrail
Type 3, Single w/Steel Posts.

Sta. 3+05± To Sta. 4+05± (o/s Lt.)
Remove Existing Guardrail and Steel Posts
100 LF
Repair Sidewalk, See Note 1

Sta. 3+05± To Sta. 4+55± (o/s Lt.)
Remove Existing Guardrail and Steel Posts
Including BCT Terminal End
150 LF

Sta. 3+30± To Sta. 4+17.5± (o/s Lt.)
Install 87.5 LF Metal Guardrail
Type 3, Single w/Steel Posts.



ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
ekmsk p04.dgn	DRAWN BY _____	_____
	TRACED BY _____	_____
	DESIGNED BY <i>i. lucturici</i>	_____
	QUANTITIES BY <i>lucturici</i>	_____
	CHECKED BY _____	_____

hedda
/ekms/

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KUHIO HIGHWAY- Guardrail and Shoulder
Improvements at Various Locations
Fed. Aid Project No. STP-056-1(43)

Scale: As Shown Date: Nov 1998

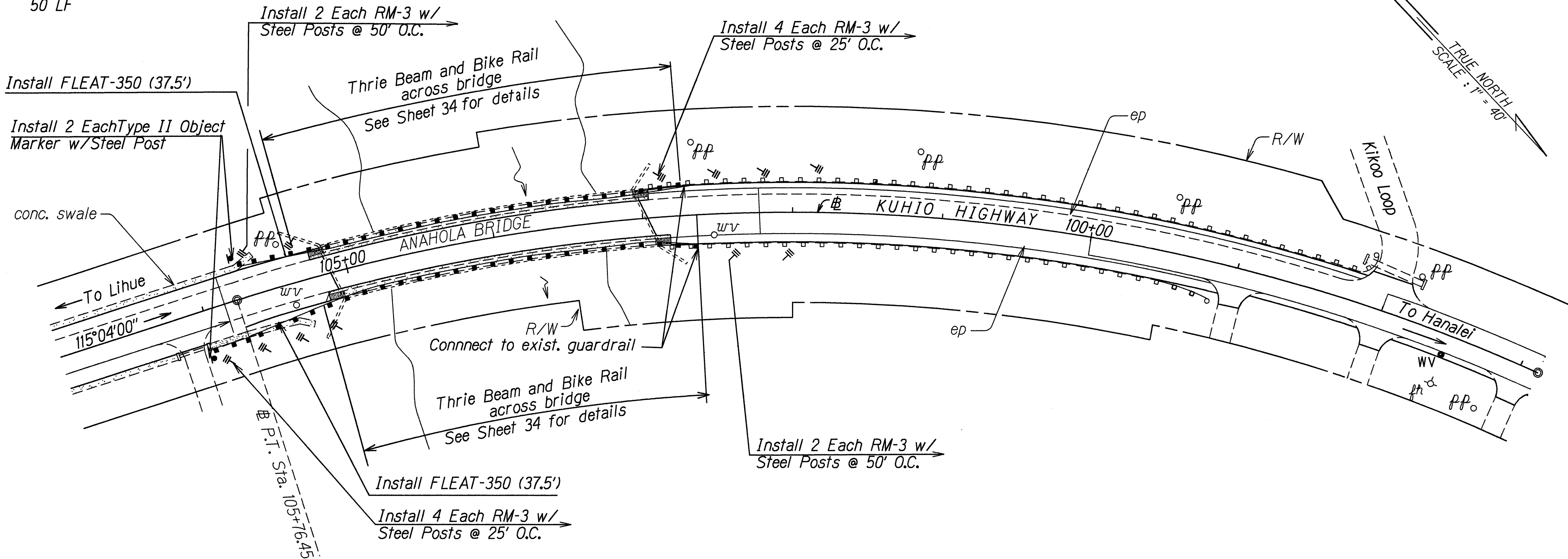
SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(43)	2000	9	42

CURVE DATA
 $\Delta = 42^{\circ}25'00''$
 $R = 1,200.00$
 $T = 465.65$
 $C = 868.22$
 $Lc = 888.38$

Sta. 105+15 to Sta. 105+65 o/s Rt.
 Remove Existing Guardrail and Steel Posts
 Including Connection to Bridge and
 BCT Terminal End
 50 LF

Sta. 102+80 to Sta. 103+05 (o/s Rt.)
 Remove Existing Guardrail and Steel Posts
 Including Connection to Bridge
 25 LF



Sta. 105+33 To Sta. 105+45.5 (o/s Lt.)
 Install 12.5 LF Metal Guardrail
 Type 3, Single w/Steel Posts. Connect to thrie beam

Sta. 102+69 to Sta. 102+94 (o/s Lt.)
 Remove Existing Guardrail and Steel Posts
 Including Connection to Bridge
 25 LF

Sta. 105+08± To Sta. 105+83± (o/s Lt.)
 Remove Existing Guardrail and Steel Posts
 Including Connection to Bridge and
 BCT Terminal End
 75 LF

ORIGINAL	SURVEY PLOTTED BY	DATE
ke2	ke2	10/1/98
pkmk	DESIGNED BY	L. L. L. L.
pkmk	CHECKED BY	pkmk
pkmk	CHECKED BY	pkmk

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN
 KUHIO HIGHWAY- Guardrail and Shoulder
 Improvements at Various Locations
 Fed. Aid Project No. STP-056-1(43)

Scale: As Shown Date: Nov 1998
 SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(43)	2000	10	42

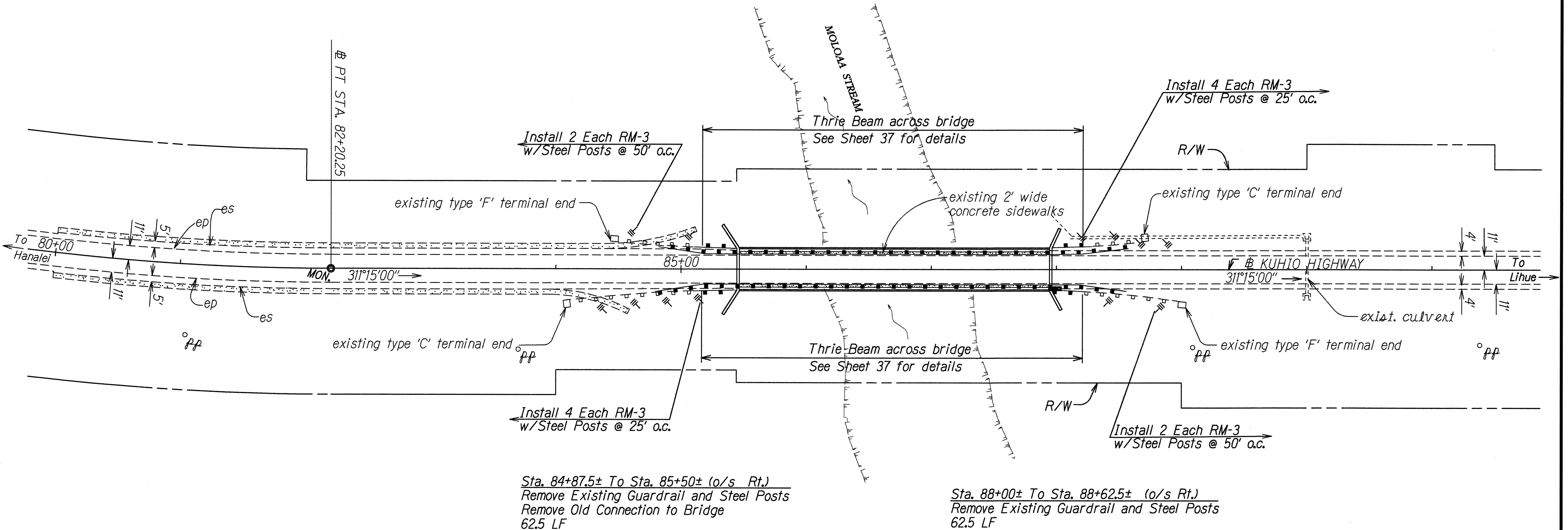
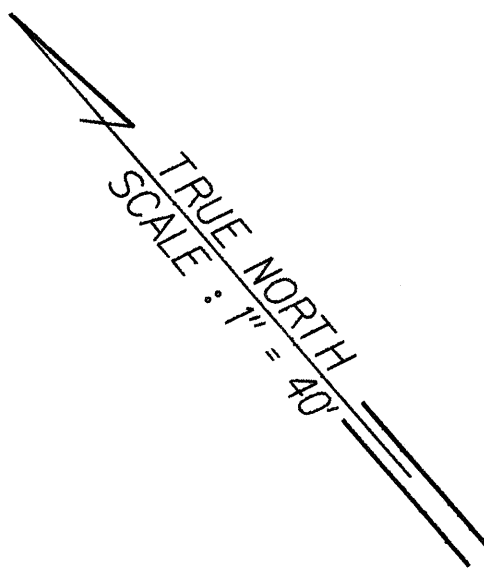
CURVE DATA
 $\Delta = 54^{\circ}28'00''$
 $R = 2,000$
 $T = 1,029.33$
 $C = 1,830.46$
 $L_c = 1,901.25$

Sta. 84+87.5± To Sta. 85+50 (o/s Lt.)
 Remove Existing Guardrail and Steel Posts
 62.5 LF

Sta. 84+87.5±To Sta. 85+25 (o/s Lt.)
 Install 37.5 LF Metal Guardrail, Type 3
 Single w/Steel Posts. Connect to
 Existing Guardrail and new Thrie Beam.

Sta. 88+00± To Sta. 88+62.5 (o/s Lt.)
 Remove Existing Guardrail and Steel Posts
 Remove Old Connection To Bridge
 62.5 LF

Sta. 88+25±To Sta. 88+62.5 (o/s Lt.)
 Install 37.5 LF Metal Guardrail, Type 3
 Single w/Steel Posts. Connect to
 Existing Guardrail and new Thrie Beam.



ORIGINAL	SURVEY PLOTTED BY	DATE
1/27/98	W. J. L. L.	Wed Aug 5-1998
DESIGNED BY	NOTED BY	CHECKED BY
W. J. L. L.	W. J. L. L.	W. J. L. L.
SK/MS/ekms	SK/MS/ekms	SK/MS/ekms
SA 205.dgn	SA 205.dgn	SA 205.dgn

Sta. 84+87.5± To Sta. 85+50± (o/s Rt.)
 Remove Existing Guardrail and Steel Posts
 Remove Old Connection to Bridge
 62.5 LF

Sta. 84+95±To Sta. 85+32.5± (o/s Rt.)
 Install 37.5 LF Metal Guardrail
 Type 3, Single w/Steel Posts
 Connect to Existing Guardrail and new Thrie Beam.

Sta. 88+00± To Sta. 88+62.5± (o/s Rt.)
 Remove Existing Guardrail and Steel Posts
 62.5 LF

Sta. 88+25±To Sta. 88+62.5 (o/s Rt.)
 Install 37.5 LF Metal Guardrail, Type 3
 Single w/Steel Posts. Connect to
 Existing Guardrail and new Thrie Beam

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN

**KUHIO HIGHWAY- Guardrail and Shoulder
 Improvements at Various Locations**
 Fed. Aid Project No. STP-056-1(43)
 Scale: 1"=40'
 Date: Nov 1998

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(43)	2000	11	42

CURVE DATA

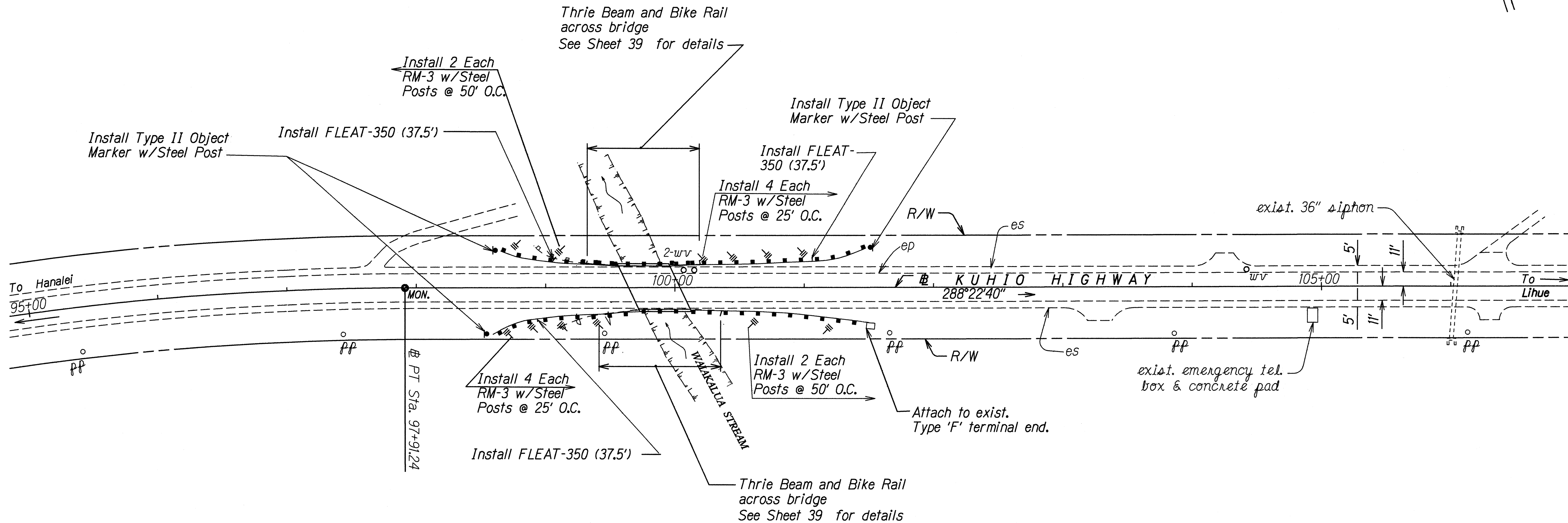
Δ = 17°20'40"
R = 2,000
T = 305.05
C = 603.13
Lc = 605.44

Sta. 98+97.5± To Sta. 99+60 (o/s Lt.)
Remove Existing Guardrail and Steel Posts
62.5 LF

Sta. 99+10± To Sta. 99+35± (o/s Lt.)
Install 25 LF Metal Guardrail
Type 3, Single w/Steel Posts.

Sta. 100+00± To Sta. 101+50± (o/s Lt.)
Remove Existing Guardrail and Steel Posts
Including SRT Terminal End
150 LF

Sta. 100+25± To Sta. 101+12.5± (o/s Lt.)
Install 87.5 LF Metal Guardrail
Type 3, Single w/Steel Posts.



Sta. 99+07.5± To Sta. 99+70± (o/s Rt.)
Remove Existing Guardrail and Steel Posts.
62.5 LF

Sta. 98+95± To Sta. 99+45± (o/s Rt.)
Install 50 LF Metal Guardrail
Type 3, Single w/Steel Posts.

Sta. 100+10± To Sta. 101+47.5± (o/s Rt.)
Remove Existing Guardrail and Steel Posts.
137.5 LF

Sta. 100+35± To Sta. 101+47.5± (o/s Rt.)
Install 112.5 LF Metal Guardrail
Type 3, Single w/Steel Posts.

ORIGINAL	SURVEY PLOTTED BY	DATE
ke2/mdd	_____	_____
NOTES	DRAWN BY	_____
ekms	DESIGNED BY	_____
_____	CHECKED BY	_____

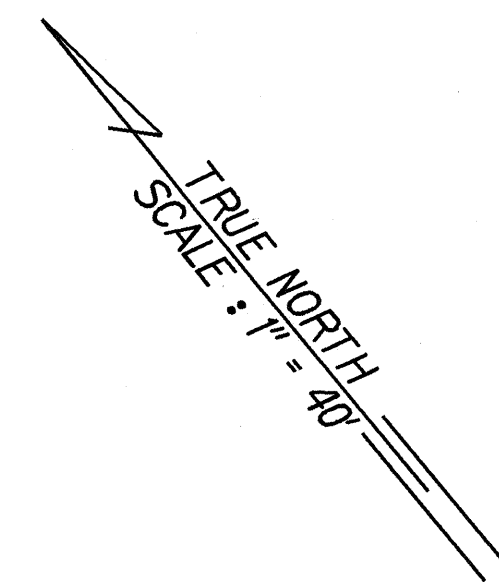
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN

KUHIO HIGHWAY- Guardrail and Shoulder
Improvements at Various Locations
Fed. Aid Project No. STP-056-1(43)
Scale: 1"=40' Date: Nov 1998
SHEET No. 1 OF 1 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-056-1(43)	2000	12	42

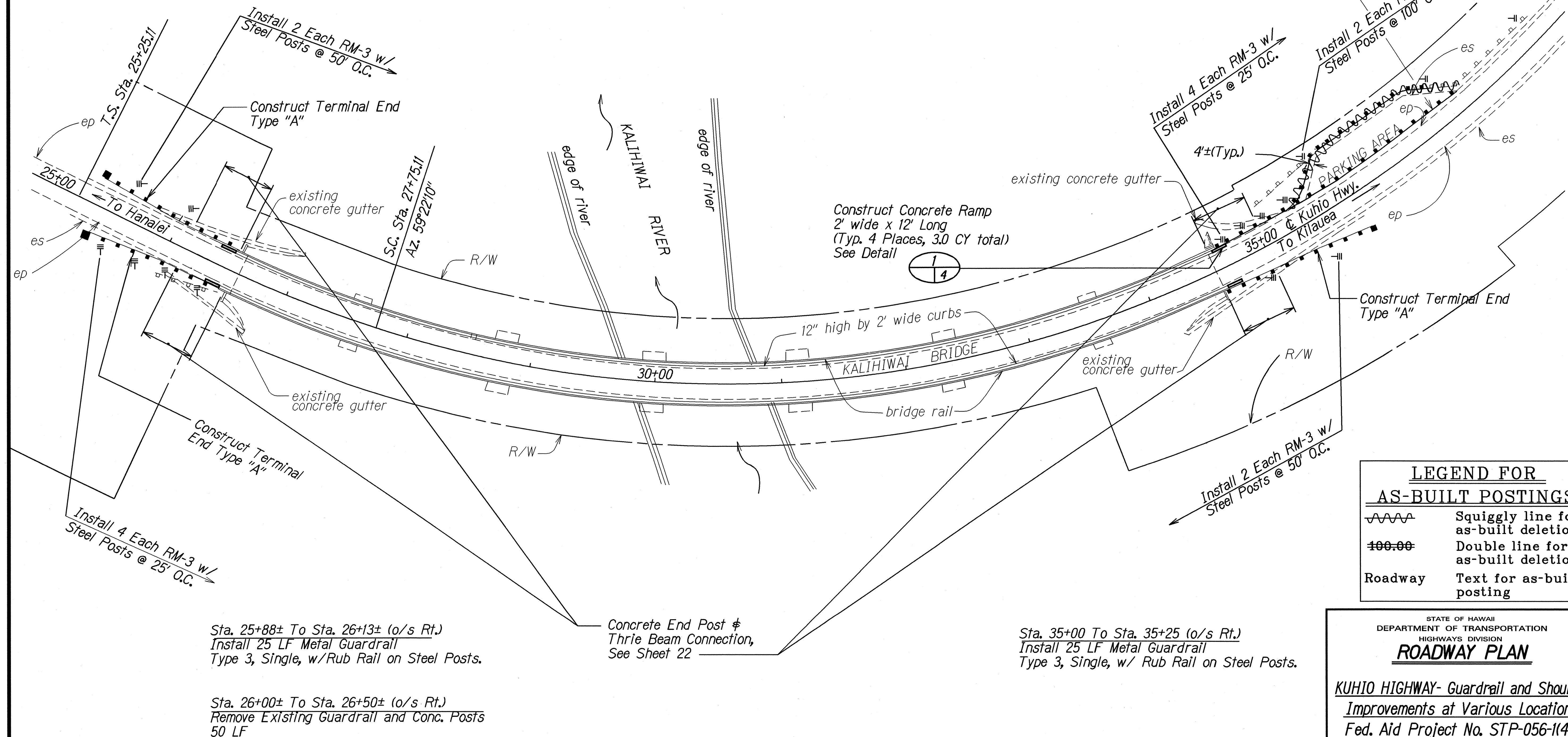
Sta. 25+88± To Sta. 26+13 (o/s Lt.)
Install 25 LF Metal Guardrail
Type 3, Single, w/Rub Rail on Steel Posts.

⊕ CURVE DATA
Δ = 94°59'20"
R = 890.00'
T = 971.08'
C = 1312.24'
L = 1475.50'



Sta. 35+31 To Sta. 36+81± (o/s Lt.)
Remove Existing Guardrail and Conc. Posts
150 LF

Sta. 35+00 To Sta. 36+87.5± (o/s Lt.)
Install 187.5 LF Metal Guardrail
Type 3, Single w/Steel Posts.
Connect to Existing Guardrail.



SURVEY PLOTTED BY	DATE
DRAWN BY	Thu May 28 1998
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
ekms	
N. 207.dgn	

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

KUHIO HIGHWAY- Guardrail and Shoulder Improvements at Various Locations
Fed. Aid Project No. STP-056-1(43)
Scale: 1"=40'
Date: Nov. 1998

"AS-BUILT"

SHEET No. 1 OF SHEETS