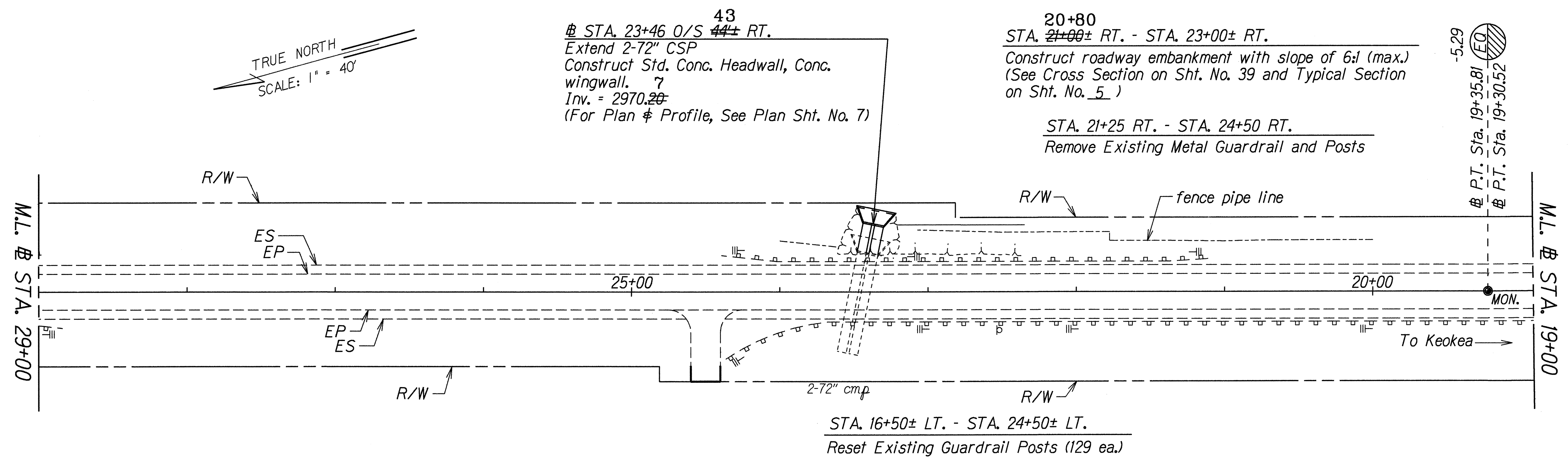
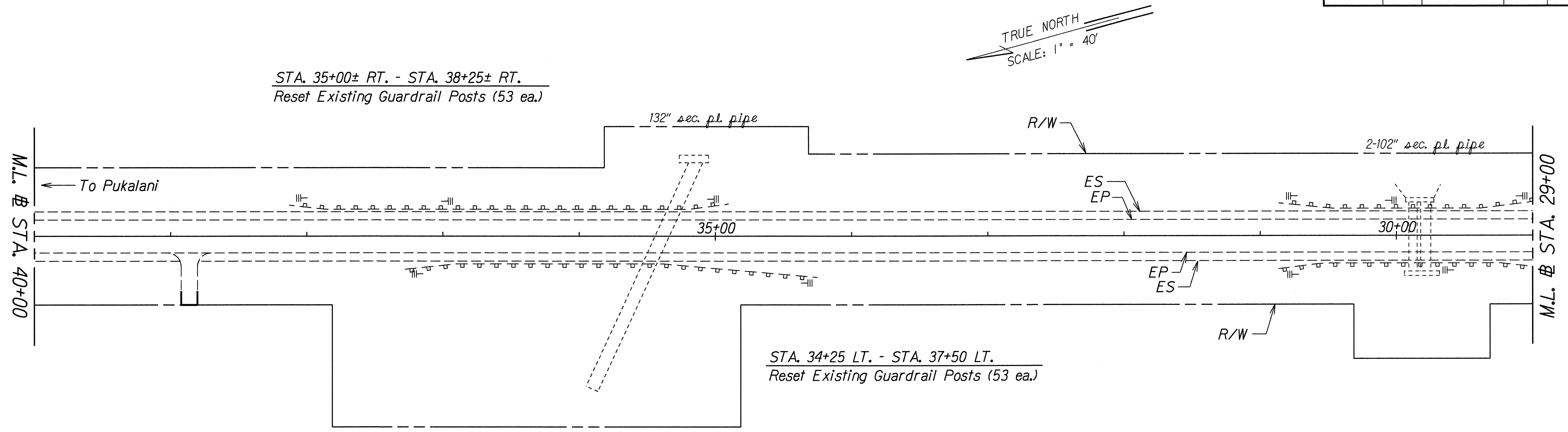


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	10	40



43
 # STA. 23+46 O/S ~~44~~ RT.
 Extend 2-72" CSP
 Construct Std. Conc. Headwall, Conc. wingwall. 7
 Inv. = 2970.20
 (For Plan & Profile, See Plan Sht. No. 7)

20+80
 STA. ~~21+00~~ RT. - STA. 23+00 RT.
 Construct roadway embankment with slope of 6:1 (max.)
 (See Cross Section on Sht. No. 39 and Typical Section on Sht. No. 5)
 STA. 21+25 RT. - STA. 24+50 RT.
 Remove Existing Metal Guardrail and Posts

LEGEND FOR AS-BUILT POSTINGS	
~~~~~	Squiggly line for as-built deletion
<del>100.00</del>	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

ROADWAY PLAN

KULA HIGHWAY RESURFACING  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-1(21)

Scale: 1" = 40'      Date: August, 1997

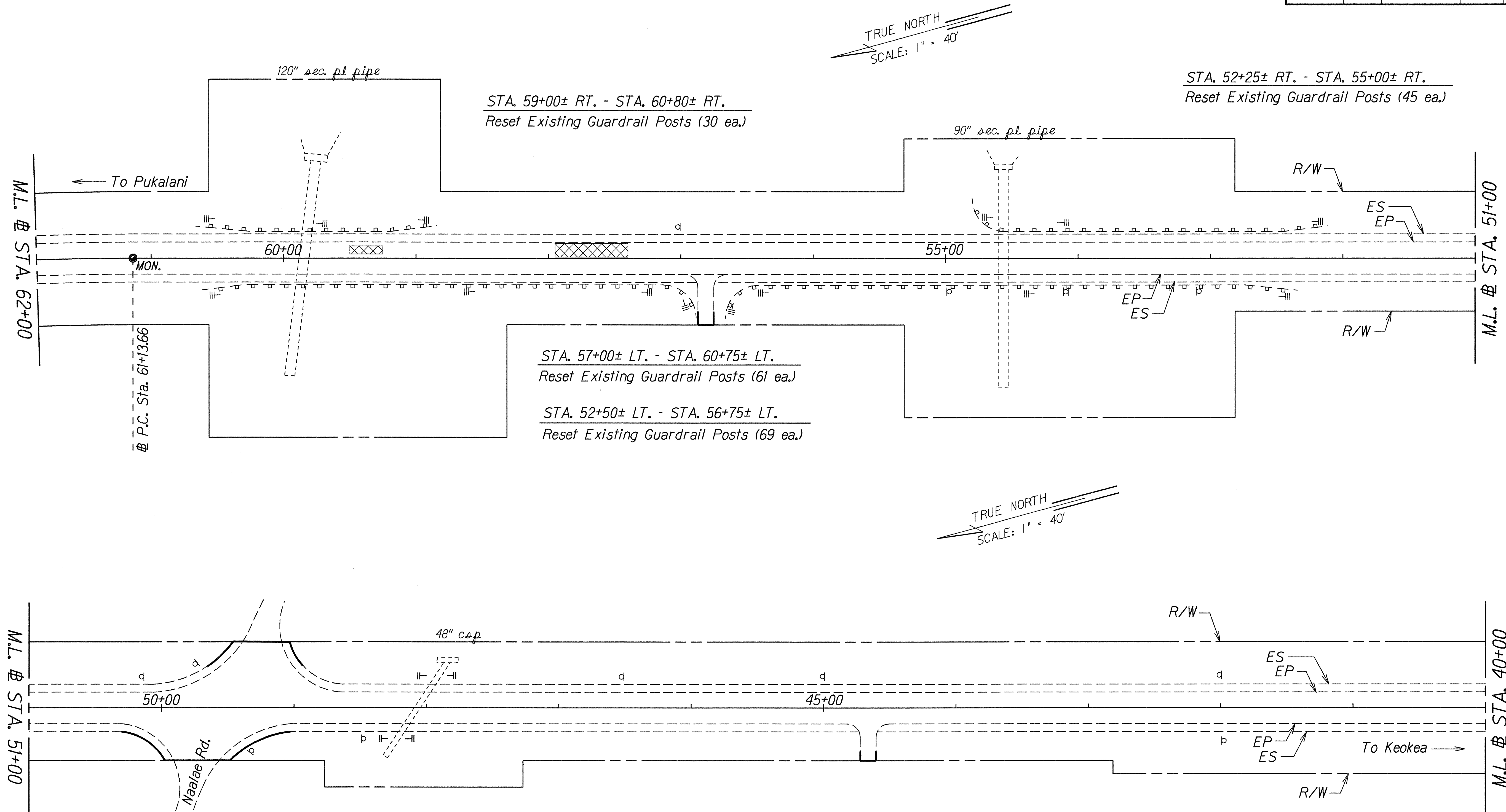
SHEET No. 2 OF 14 SHEETS

ORIGINAL PLAN	DATE: AUG. 1997
NOTED BY	DESIGNED BY
QUANTITIES BY	CHECKED BY

"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-K(21)	1998	11	40



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	Aug. 1997
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

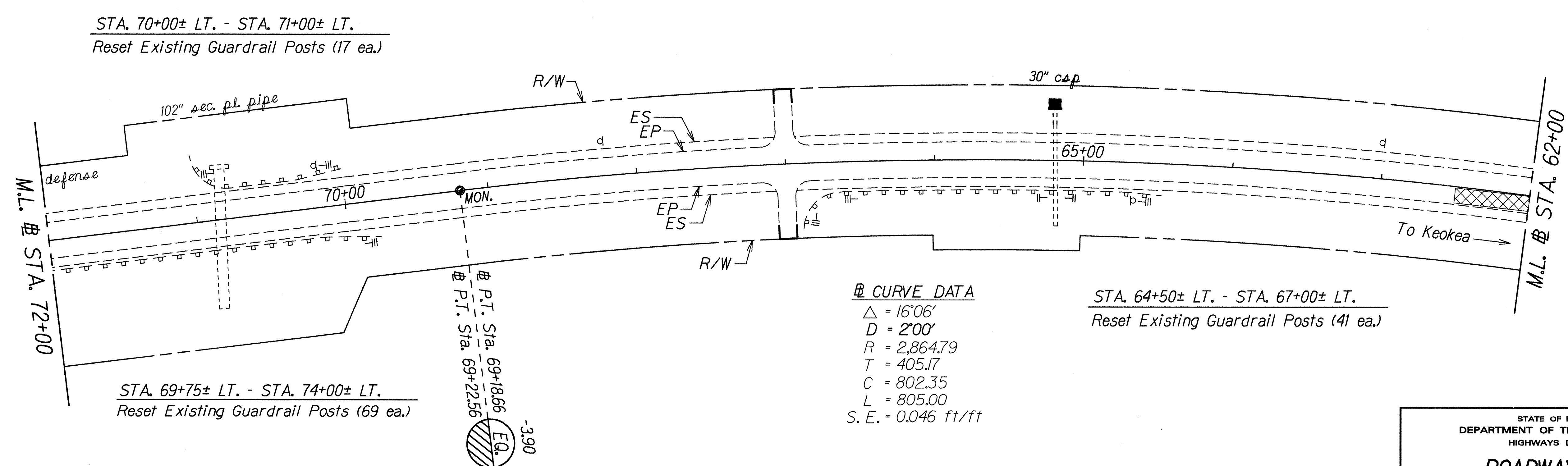
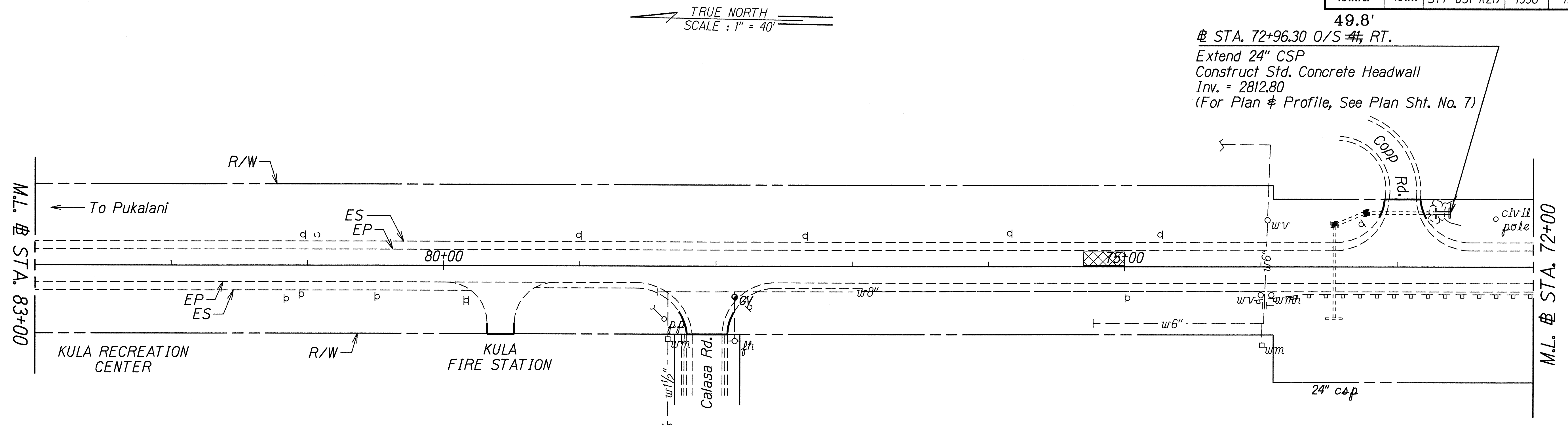
**KULA HIGHWAY RESURFACING**  
**Kekaulike Avenue to Lower Kula Road**  
**Fed. Aid Project No. STP-037-K(21)**

Scale: 1" = 40' Date: August, 1997

SHEET No. 3 OF 14 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-K(21)	1998	12	40



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**

KULA HIGHWAY RESURFACING  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-K(21)

Scale: 1" = 40' Date: August, 1997

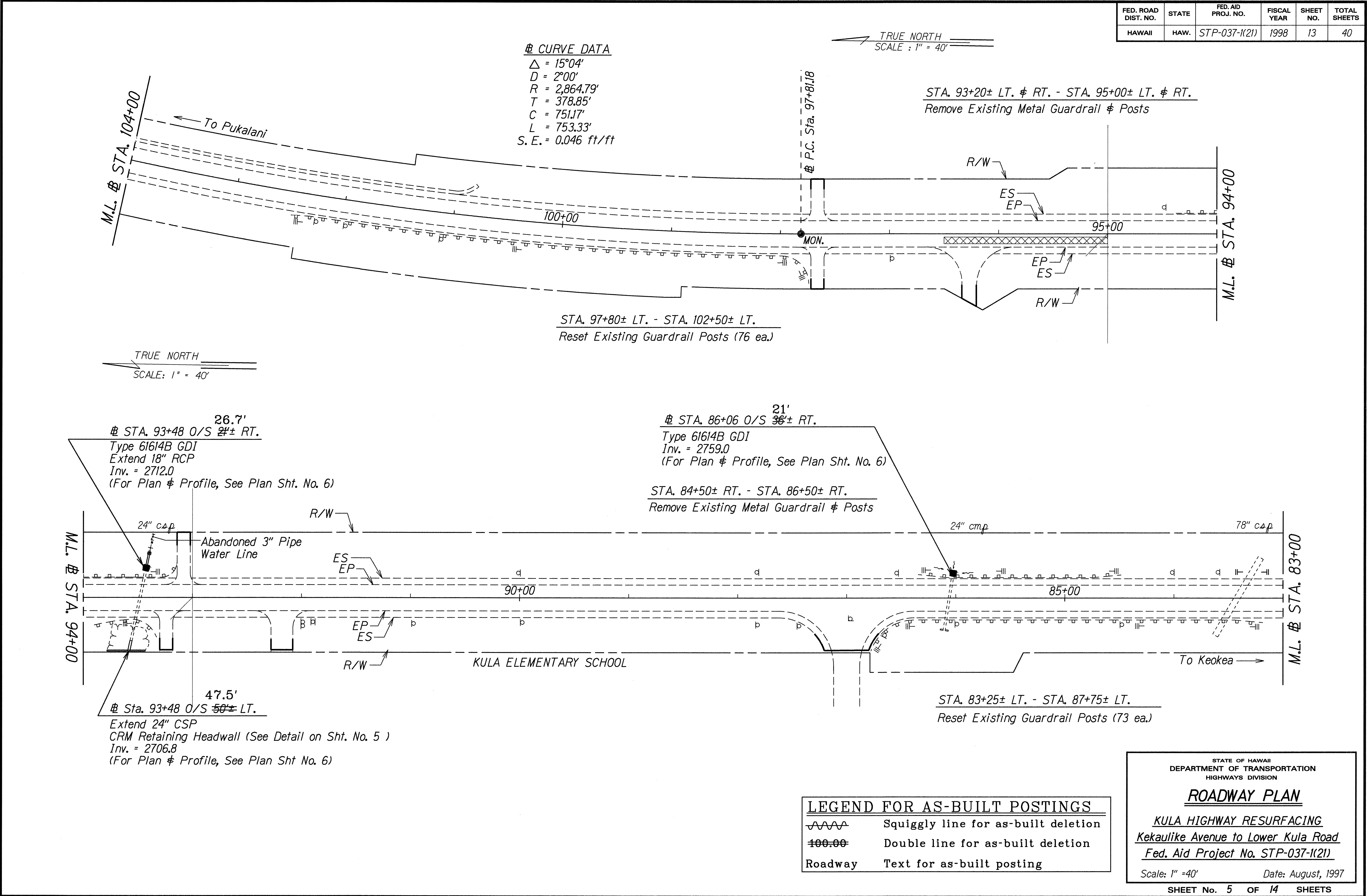
SHEET No. 4 OF 14 SHEETS

"AS-BUILT"

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
ORIGINAL PLAN	



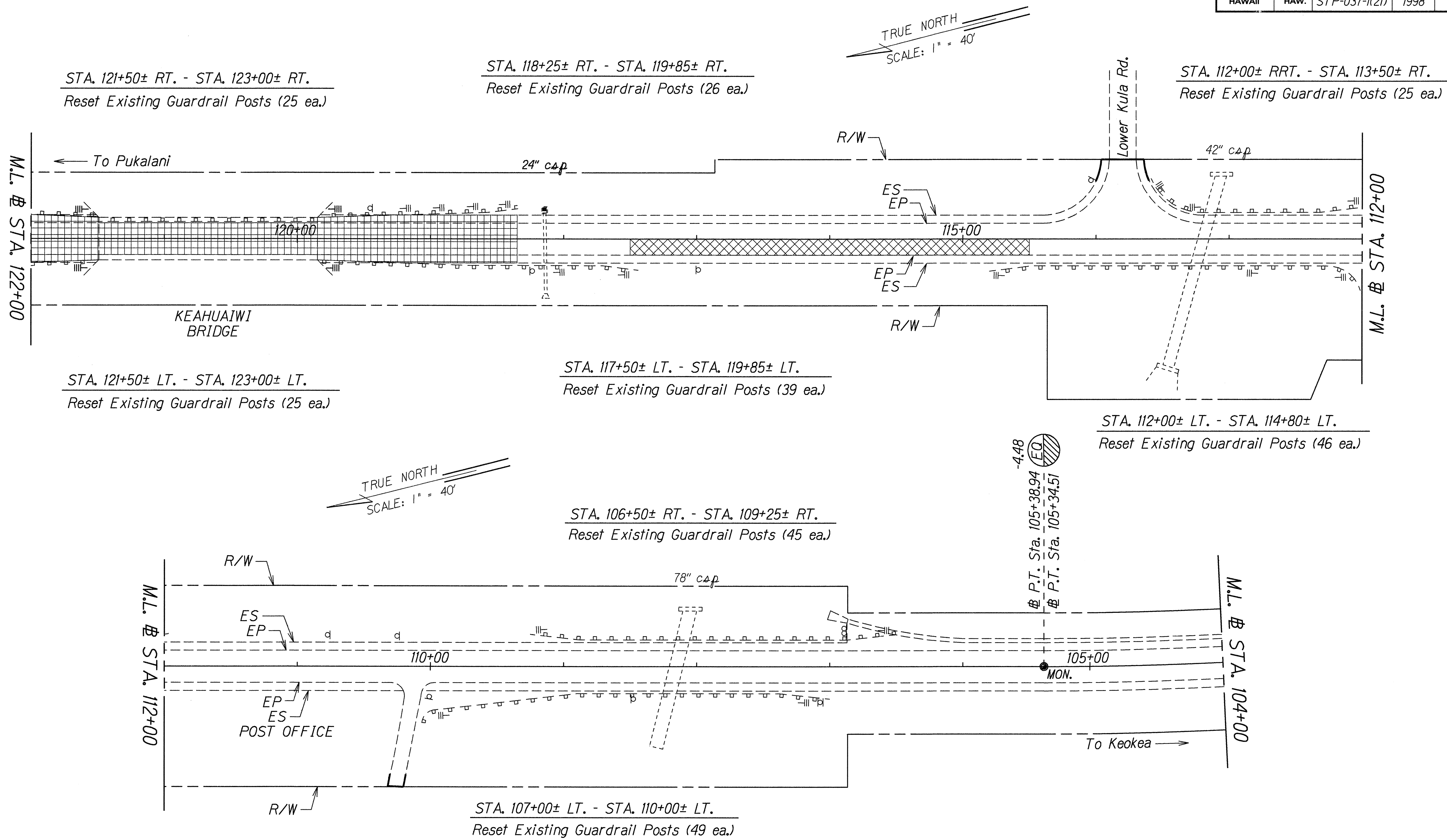
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	13	40



"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	14	40



DATE	Aug. 1997
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

**KULA HIGHWAY RESURFACING**  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-1(21)

Scale: 1" = 40' Date: August, 1997

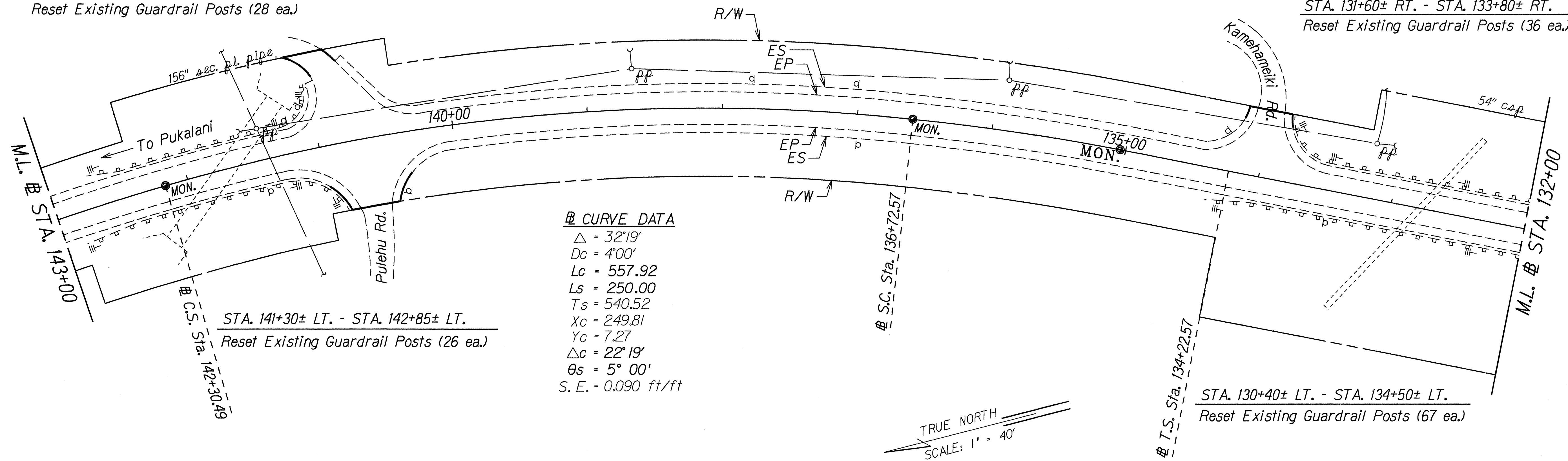
SHEET No. 6 OF 14 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	15	40

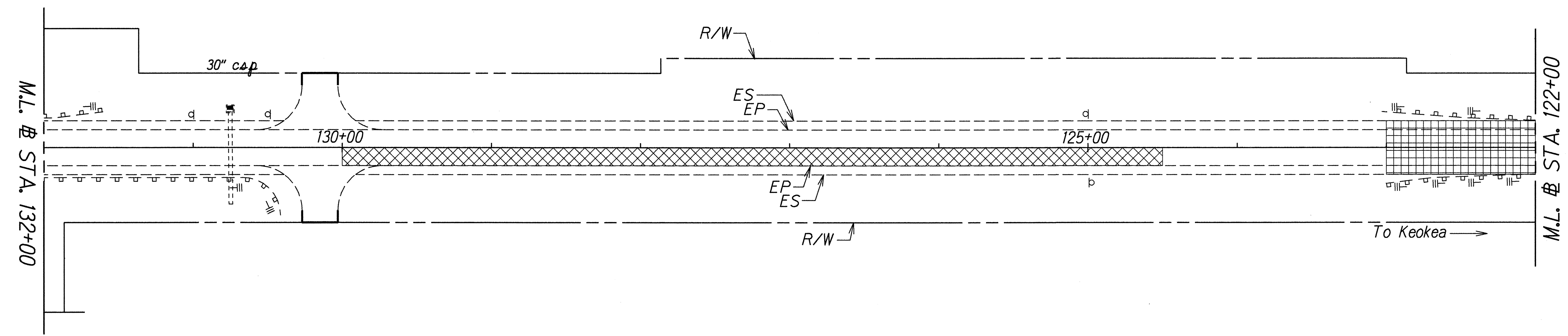
STA. 141+00± RT. - STA. 142+70± RT.  
Reset Existing Guardrail Posts (28 ea.)

STA. 131+60± RT. - STA. 133+80± RT.  
Reset Existing Guardrail Posts (36 ea.)



STA. 141+30± LT. - STA. 142+85± LT.  
Reset Existing Guardrail Posts (26 ea.)

STA. 130+40± LT. - STA. 134+50± LT.  
Reset Existing Guardrail Posts (67 ea.)



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**

**KULA HIGHWAY RESURFACING**  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-1(21)

Scale: 1" = 40' Date: August, 1997

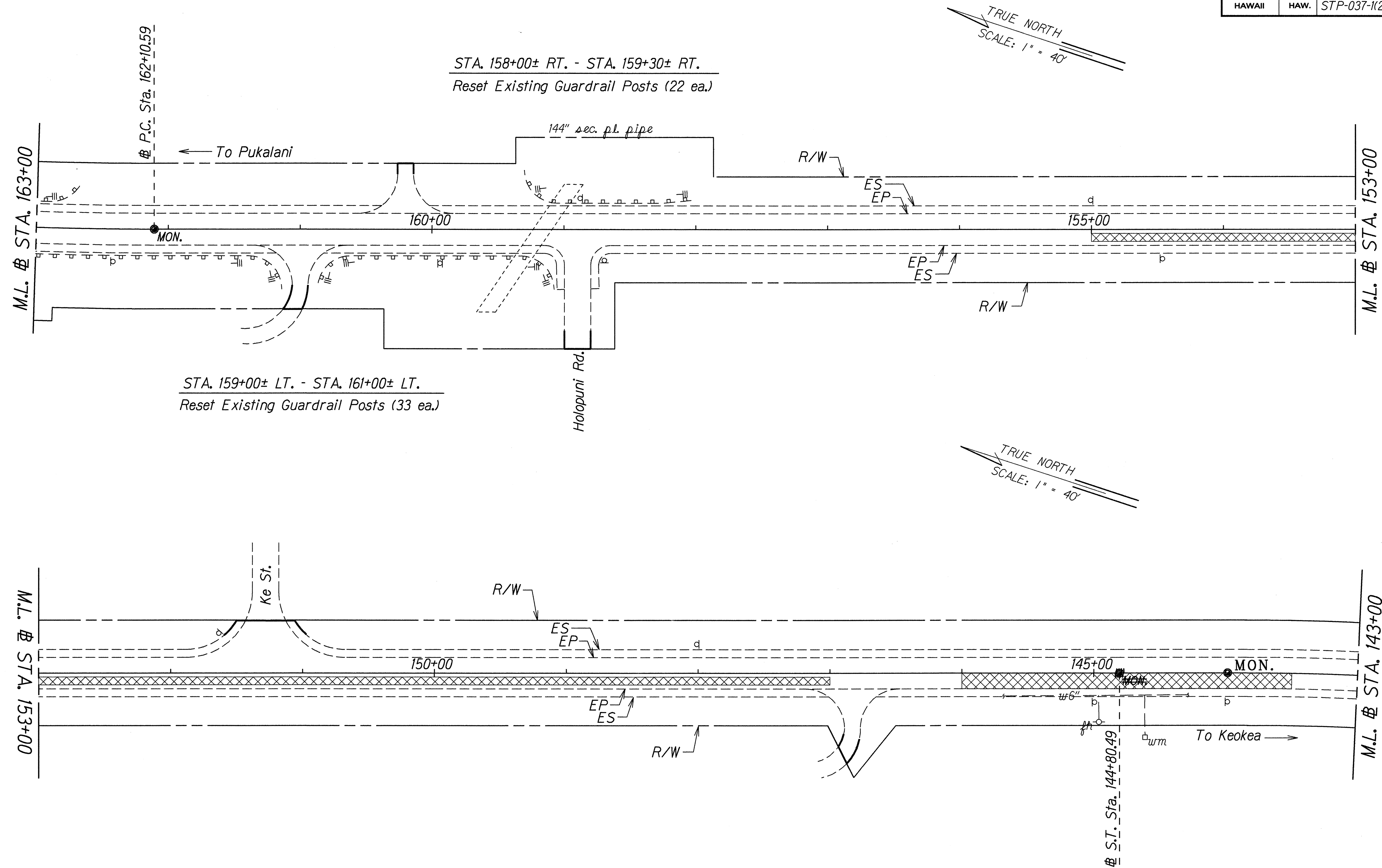
SHEET No. 7 OF 14 SHEETS

DESIGNED BY	DATE
DRAWN BY	11/10/97
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	16	40



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**

KULA HIGHWAY RESURFACING  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-1(21)

Scale: 1" = 40' Date: August, 1997

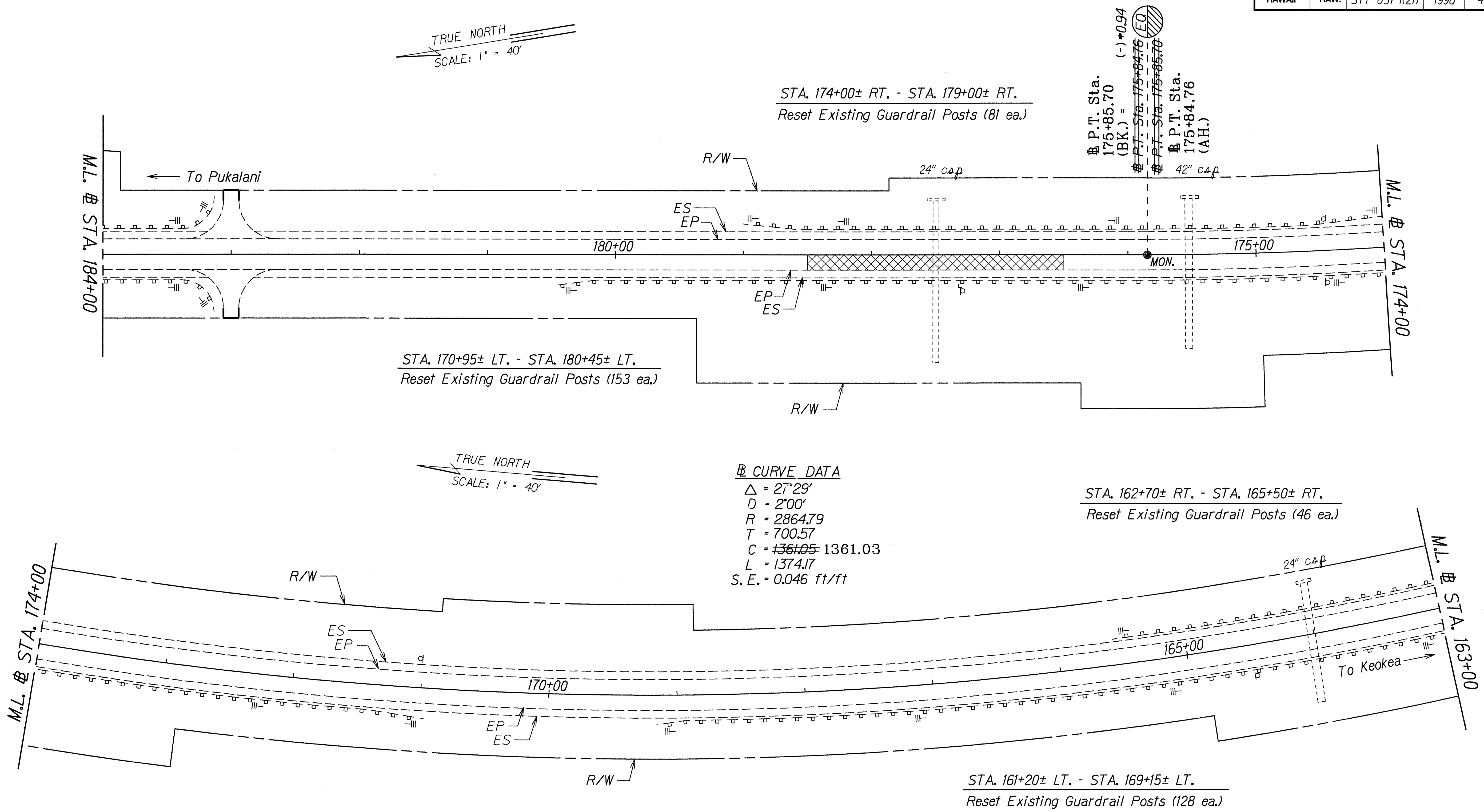
SHEET No. 8 OF 14 SHEETS

"AS-BUILT"

DESIGNED BY	DATE
TRACED BY	Aug. 1997
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	40	40



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**

KULA HIGHWAY RESURFACING  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-1(21)

Scale: 1" = 40' Date: August, 1997

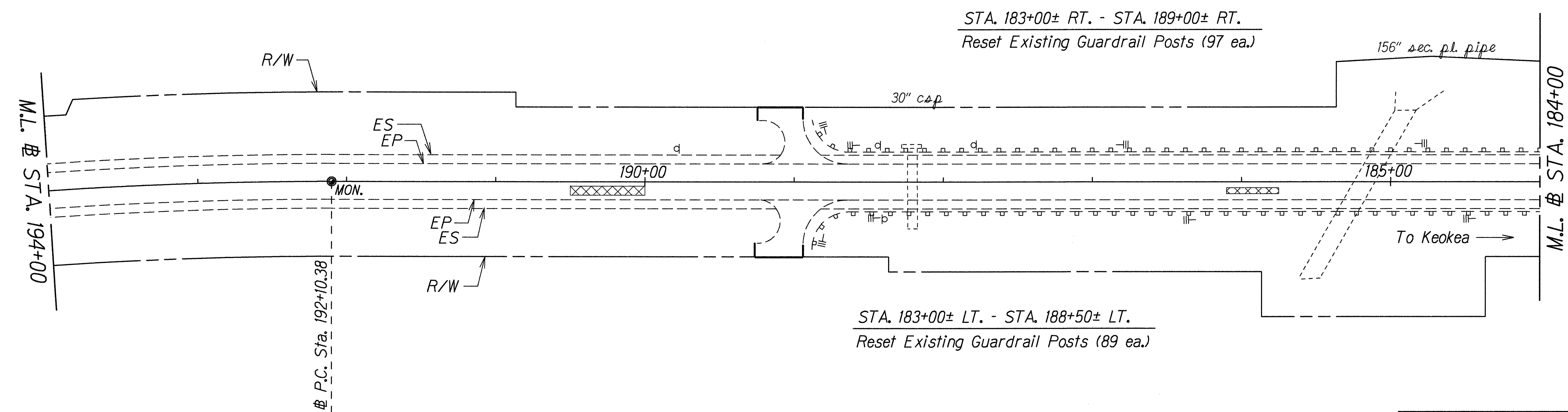
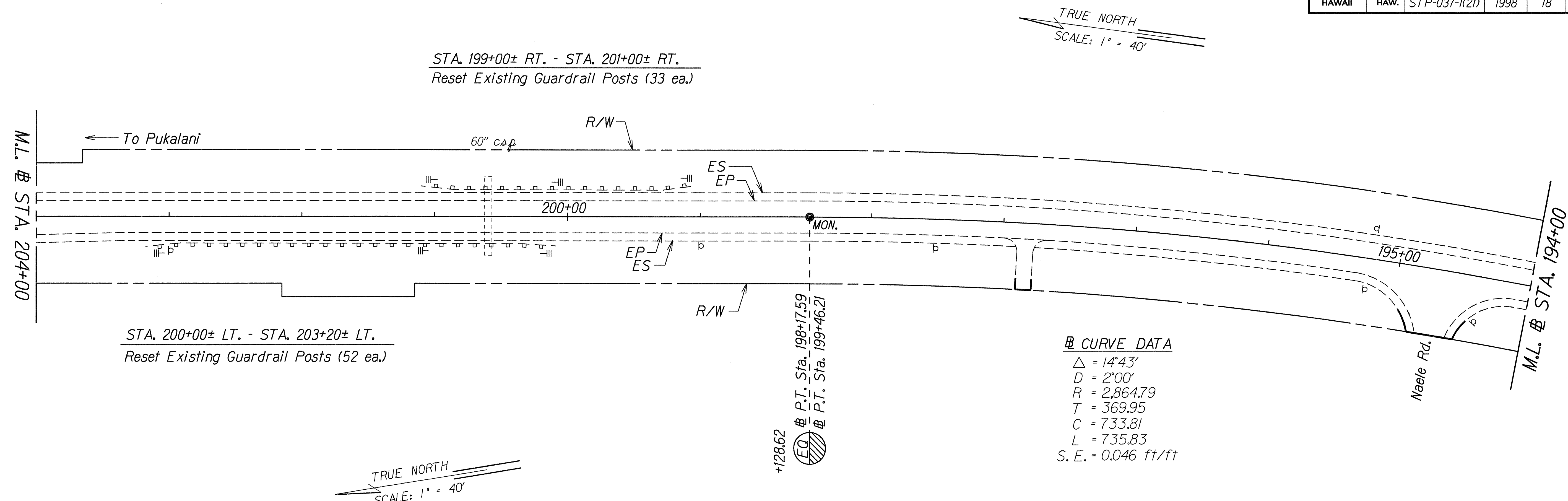
SHEET No. 9 OF 14 SHEETS

"AS-BUILT"

ORIGINAL PLAN	DATE
DESIGNED BY	AUG. 1997
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-037-1(21)	1998	18	40



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	Aug. 1997
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

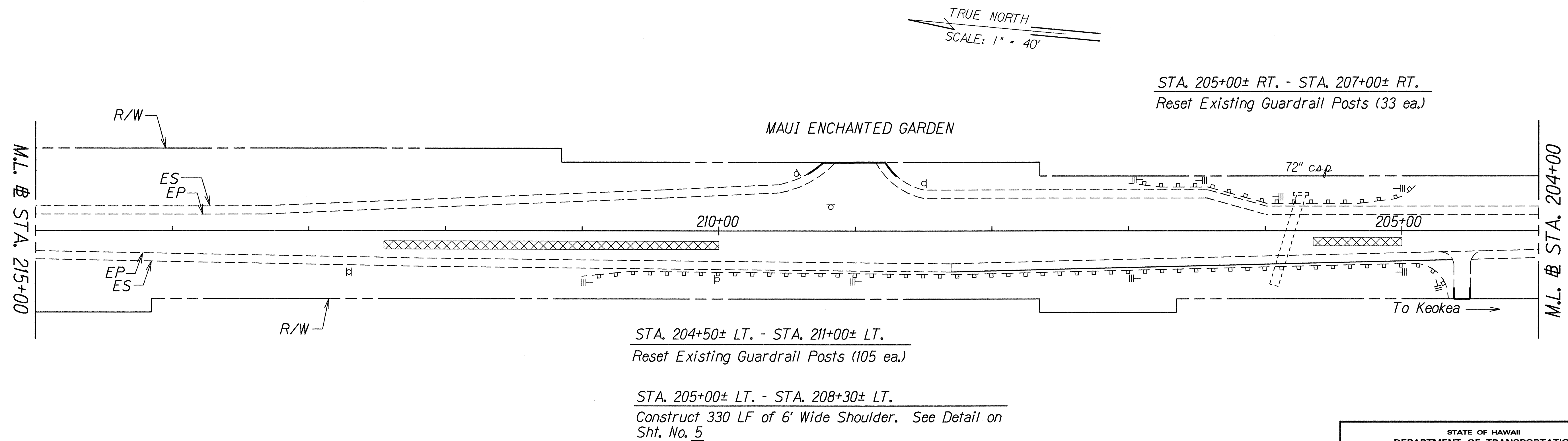
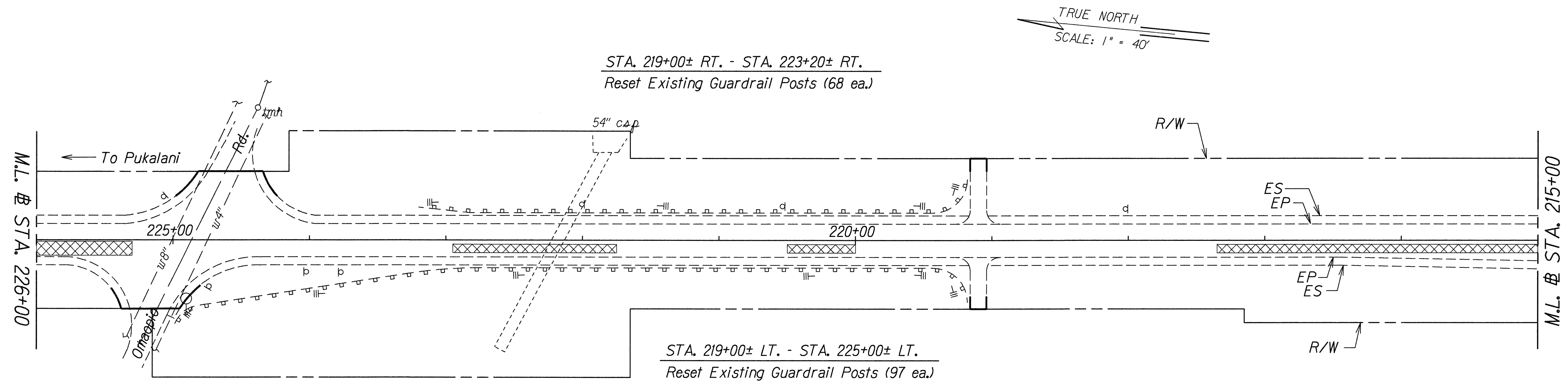
KULA HIGHWAY RESURFACING  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-1(21)

Scale: 1" = 40' Date: August, 1997

SHEET No. 10 OF 14 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	19	40



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	Aug. 1997
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

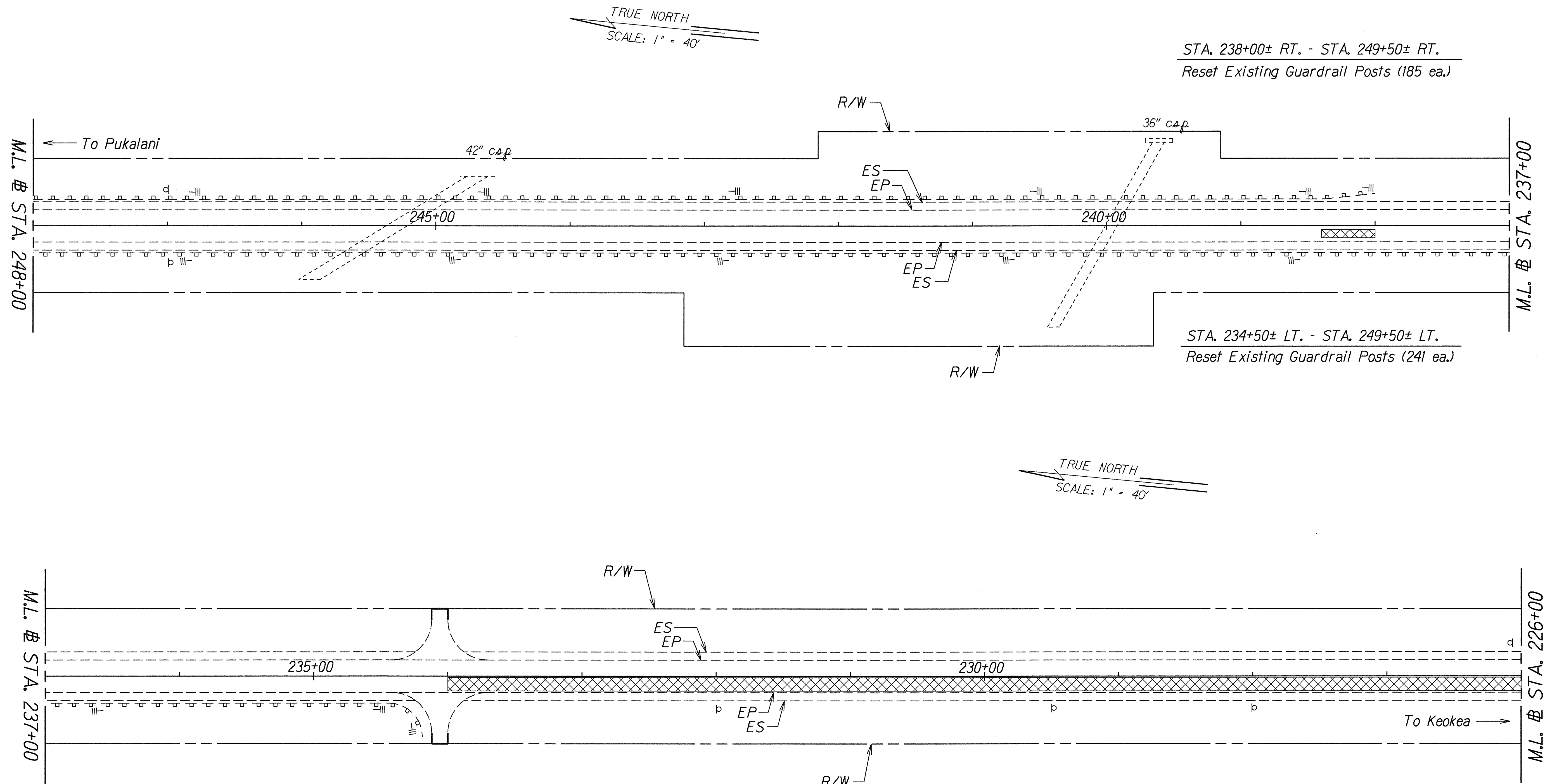
**KULA HIGHWAY RESURFACING**  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-1(21)

Scale: 1" = 40' Date: August, 1997

SHEET No. 11 OF 14 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	20	40



ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	AUG. 1997
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

**KULA HIGHWAY RESURFACING**  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-1(21)

Scale: 1" = 40' Date: August, 1997

SHEET No. 12 OF 14 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	21	40

⊕ CURVE DATA  
 $\Delta = 23^{\circ}29'$   
 $Dc = 3^{\circ}00'$   
 $Lc = 582.78$   
 $Ls = 200.00$   
 $Ts = 497.13$   
 $Xc = 199.95$   
 $Yc = 3.49$   
 $\Delta c = 17^{\circ}29'$   
 $\theta s = 3^{\circ}00'$   
 $S.E. = 0.070 \text{ ft/ft}$

TRUE NORTH  
SCALE : 1" = 40'

STA. 258+00± RT. - STA. 261+90± RT.  
Reset Existing Guardrail Posts (63 ea.)

STA. 258+00± LT. - STA. 265+00± LT.  
Reset Existing Guardrail Posts (113 ea.)

STA. 253+75± RT. - STA. 255+25± RT.  
Reset Existing Guardrail Posts (25 ea.)

STA. 254+25± LT. - STA. 255+25± LT.  
Reset Existing Guardrail Posts (17 ea.)

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**

KULA HIGHWAY RESURFACING  
Lower Kula Road to Kekaulike Avenue  
Fed. Aid Project No. STP-037-1(21)

Scale: 1" = 40'      Date: August, 1997

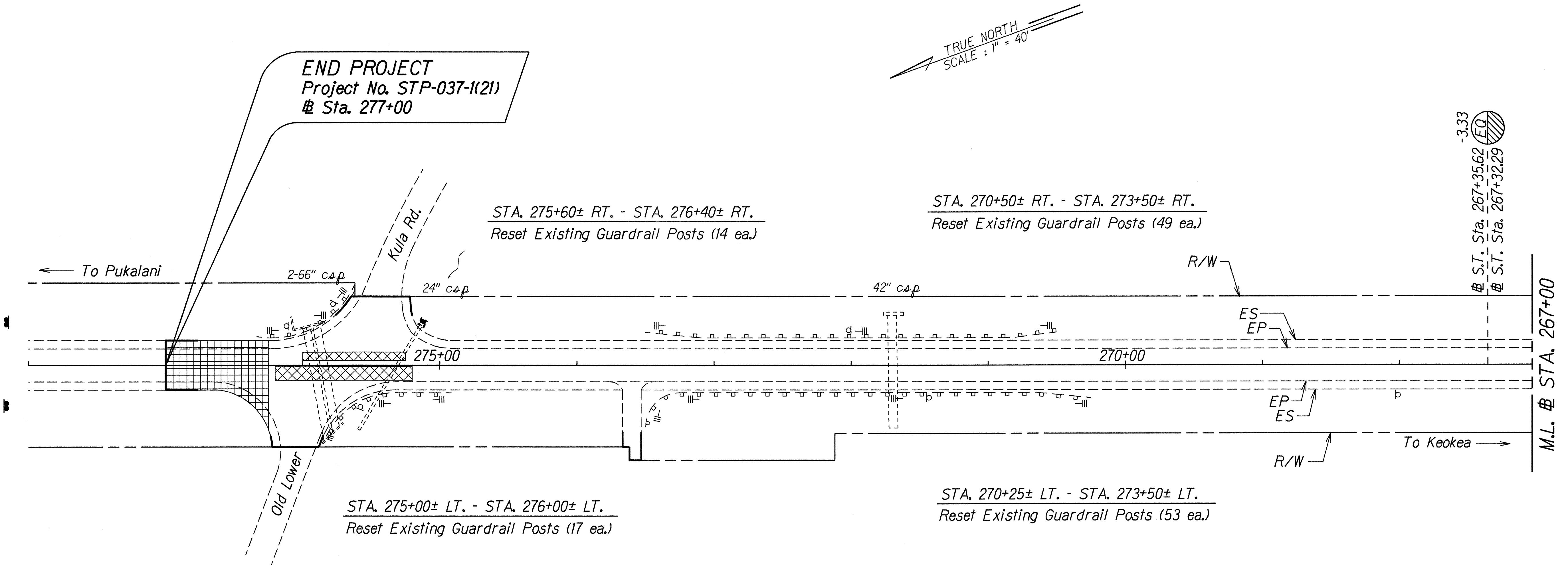
SHEET No. 13 OF 14 SHEETS

DATE	AUG. 1997
DESIGNED BY	CH
CHECKED BY	CH
NOTED BY	CH
QUANTITIES BY	CH
ORIGINAL PLAN	20/10/93

"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-037-1(21)	1998	22	40



ORIGINAL PLAN	DATE	7-8-98
SURVEY PLANNED BY		
DESIGNED BY		
TRACED BY		
NOTE BOOK		
QUANTITIES BY		
CHECKED BY		

7-8-98	Revised Project No. in "End Project" flag per Addendum No. 1.	Scale: 1" = 40'	Date: August, 1997
DATE	REVISION	SHEET No. 14	OF 14 SHEETS

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ROADWAY PLAN**

**KULA HIGHWAY RESURFACING**  
Kekaulike Avenue to Lower Kula Road  
Fed. Aid Project No. STP-037-1(21)