

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	5	26

⑤ CURVE DATA

Δ = 25°11'00"
R = 200.00
T = 44.67
C = 87.20
Lc = 87.91

④ CURVE DATA

Δ = 10°13'00"
R = 730.00
T = 65.26
C = 130.00
Lc = 130.17

② CURVE DATA

Δ = 13°21'00"
R = 263.00
T = 30.78
C = 61.14
Lc = 61.28

① CURVE DATA

Δ = 33°44'00"
R = 278.00
T = 84.29
C = 161.32
Lc = 163.67

③ CURVE DATA

Δ = 16°42'00"
R = 500.00
T = 73.39
C = 145.22
Lc = 145.74

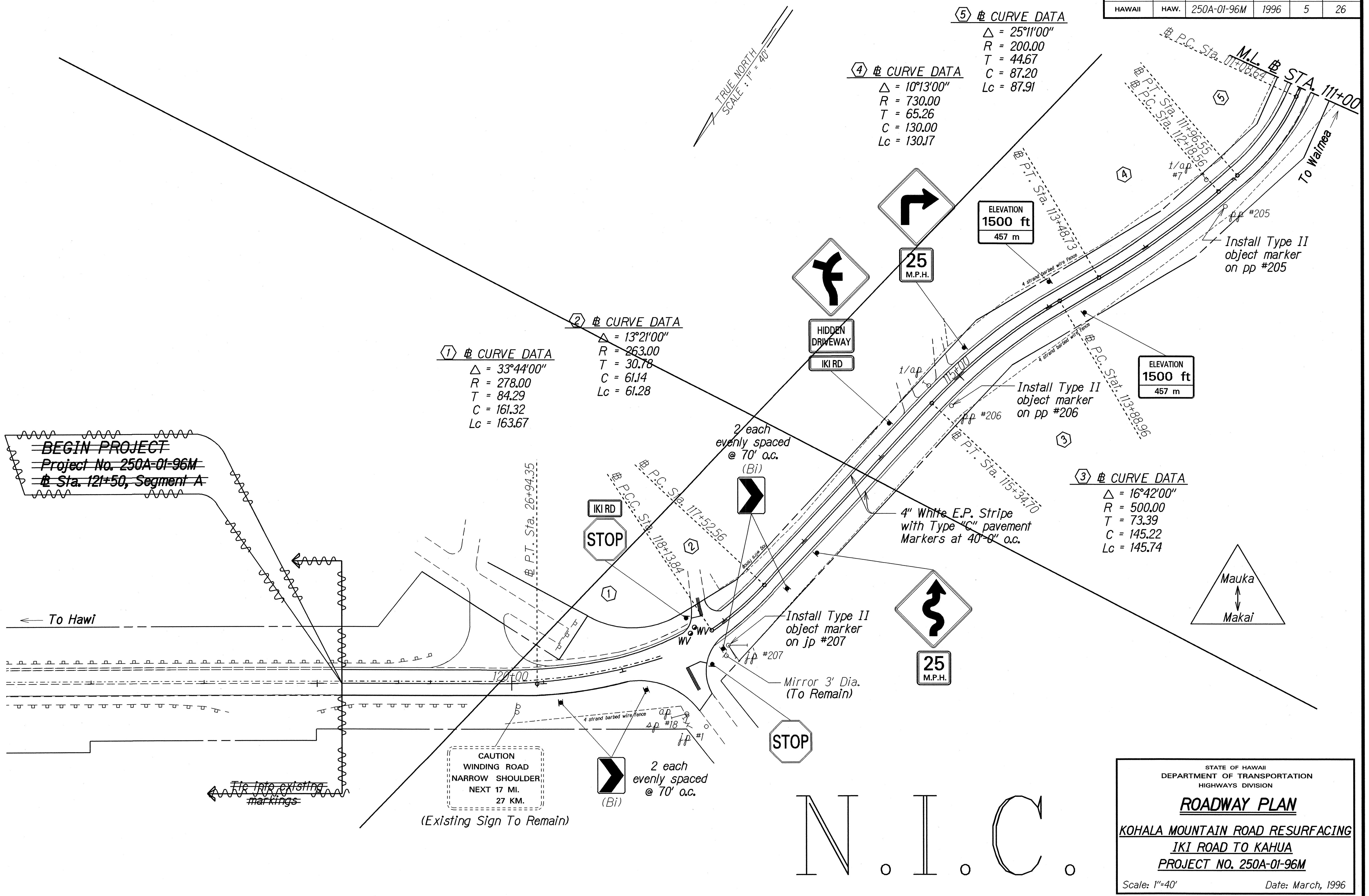
BEGIN PROJECT
Project No. 250A-01-96M
Sta. 121+50, Segment A

To Hawi

To Waihee

Mauka
↑
Makai

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

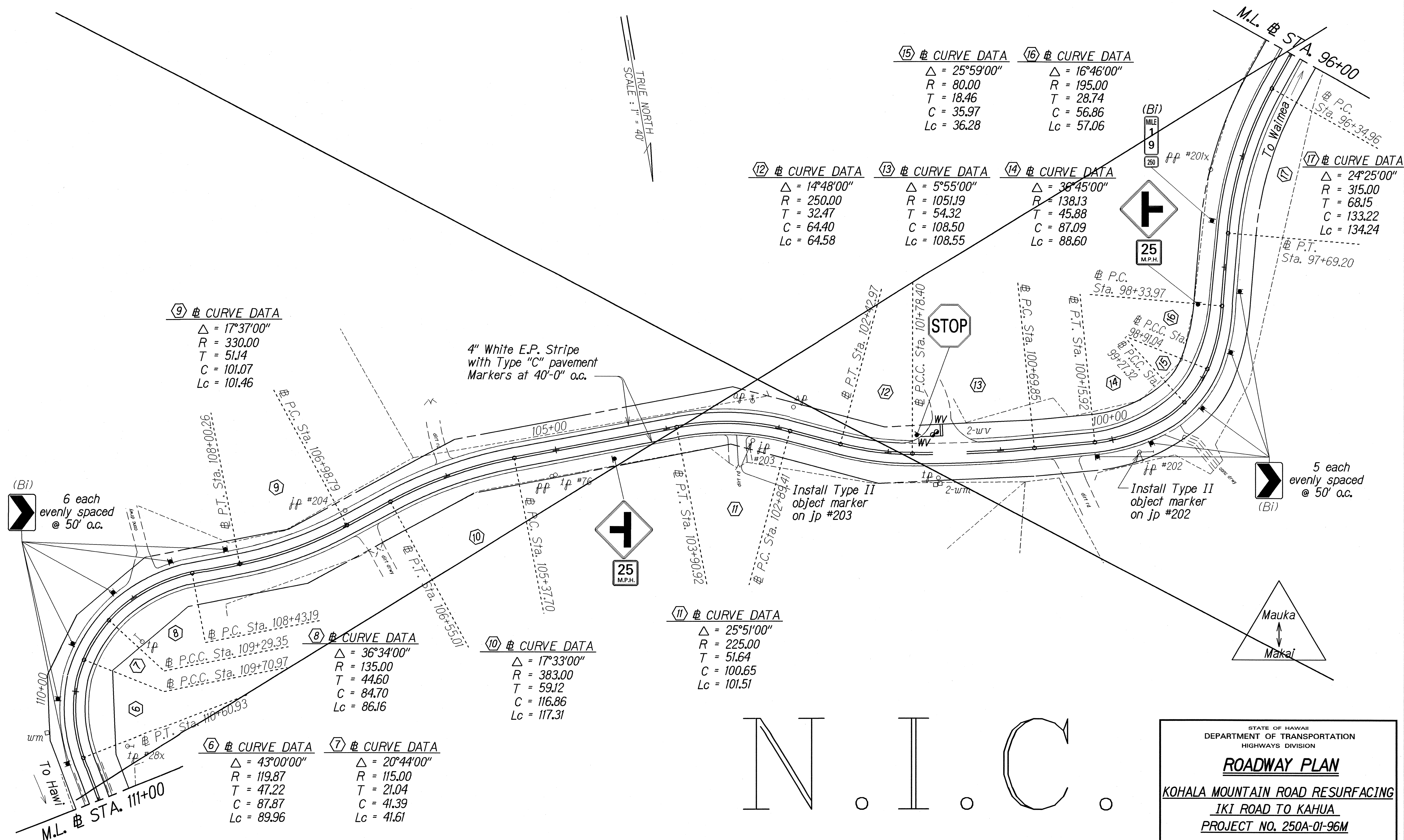
KOHALA MOUNTAIN ROAD RESURFACING
IKI ROAD TO KAHUA
PROJECT NO. 250A-01-96M

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

SHEET No. 1 OF 16 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	6	26



SURVEY PLOTTED BY	DATE
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CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

N.I.C.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

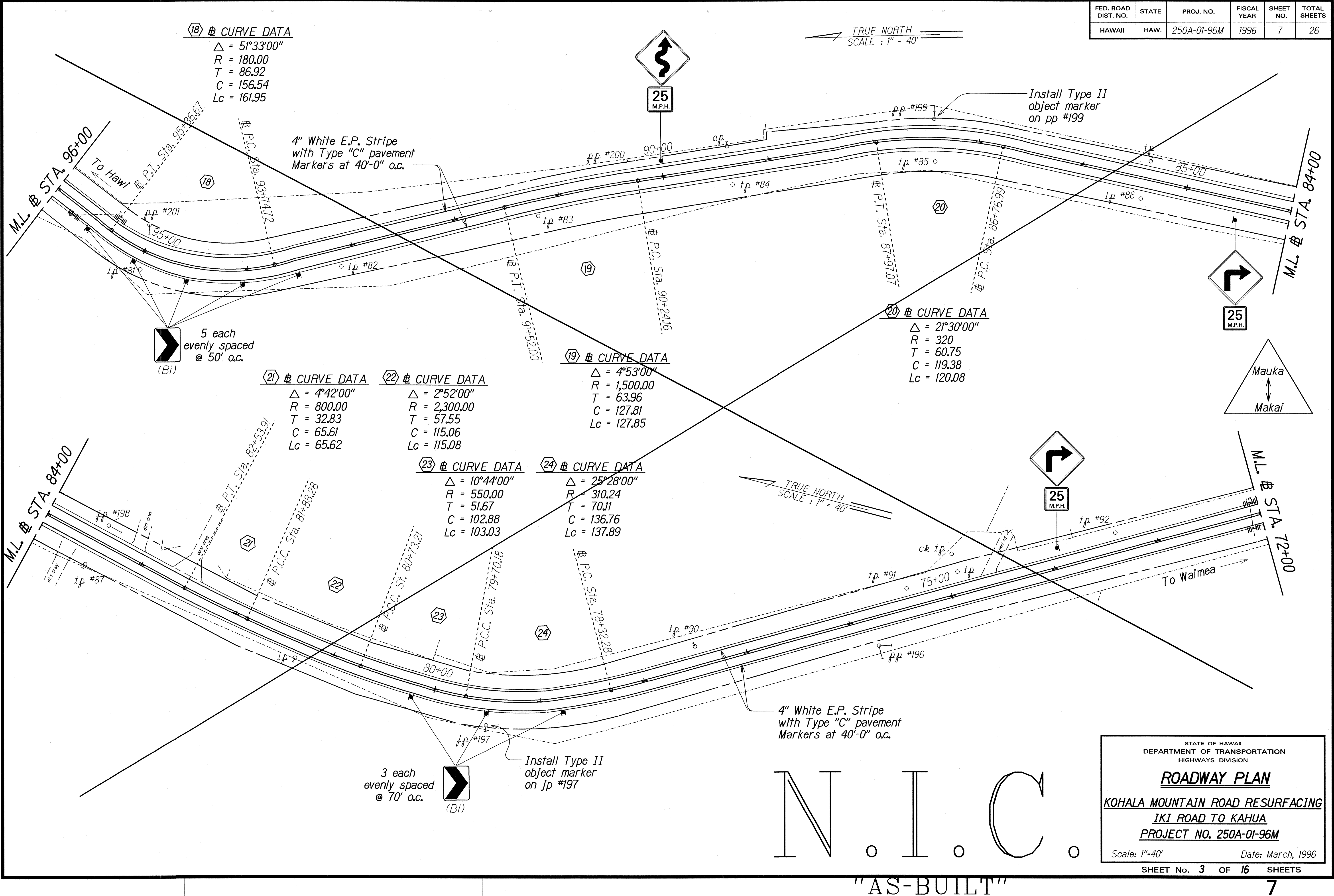
KOHALA MOUNTAIN ROAD RESURFACING
IKI ROAD TO KAHUA
PROJECT NO. 250A-01-96M

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

SHEET No. 2 OF 16 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	7	26



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

N.I.C.

"AS-BUILT"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

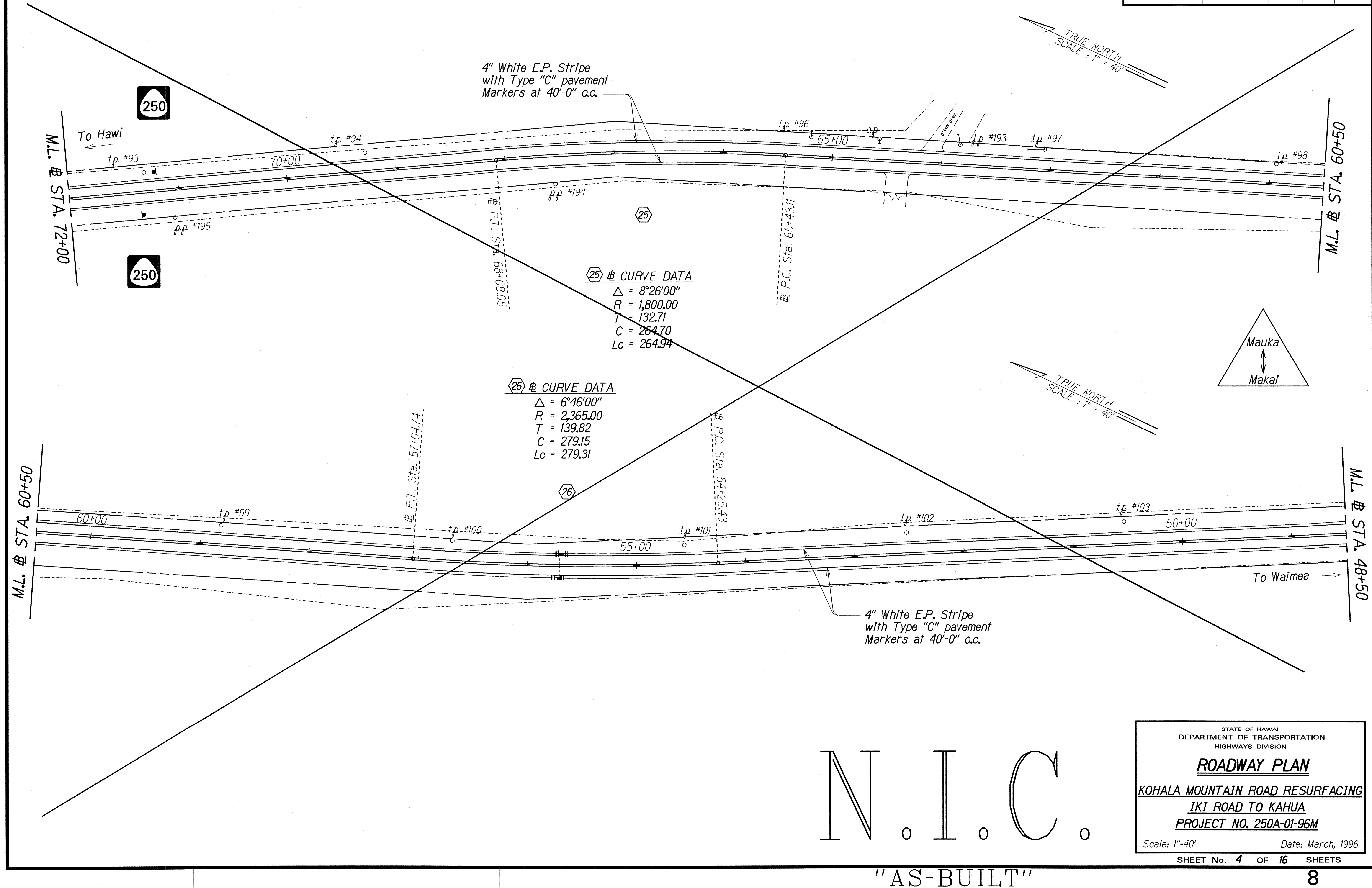
ROADWAY PLAN

KOHALA MOUNTAIN ROAD RESURFACING
KI ROAD TO KAHUA
PROJECT NO. 250A-01-96M

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

SHEET No. 3 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	8	26



SURVEY PLOTTED BY	DATE
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DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

N.I.C.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KOHALA MOUNTAIN ROAD RESURFACING
IKI ROAD TO KAHUA
PROJECT NO. 250A-01-96M

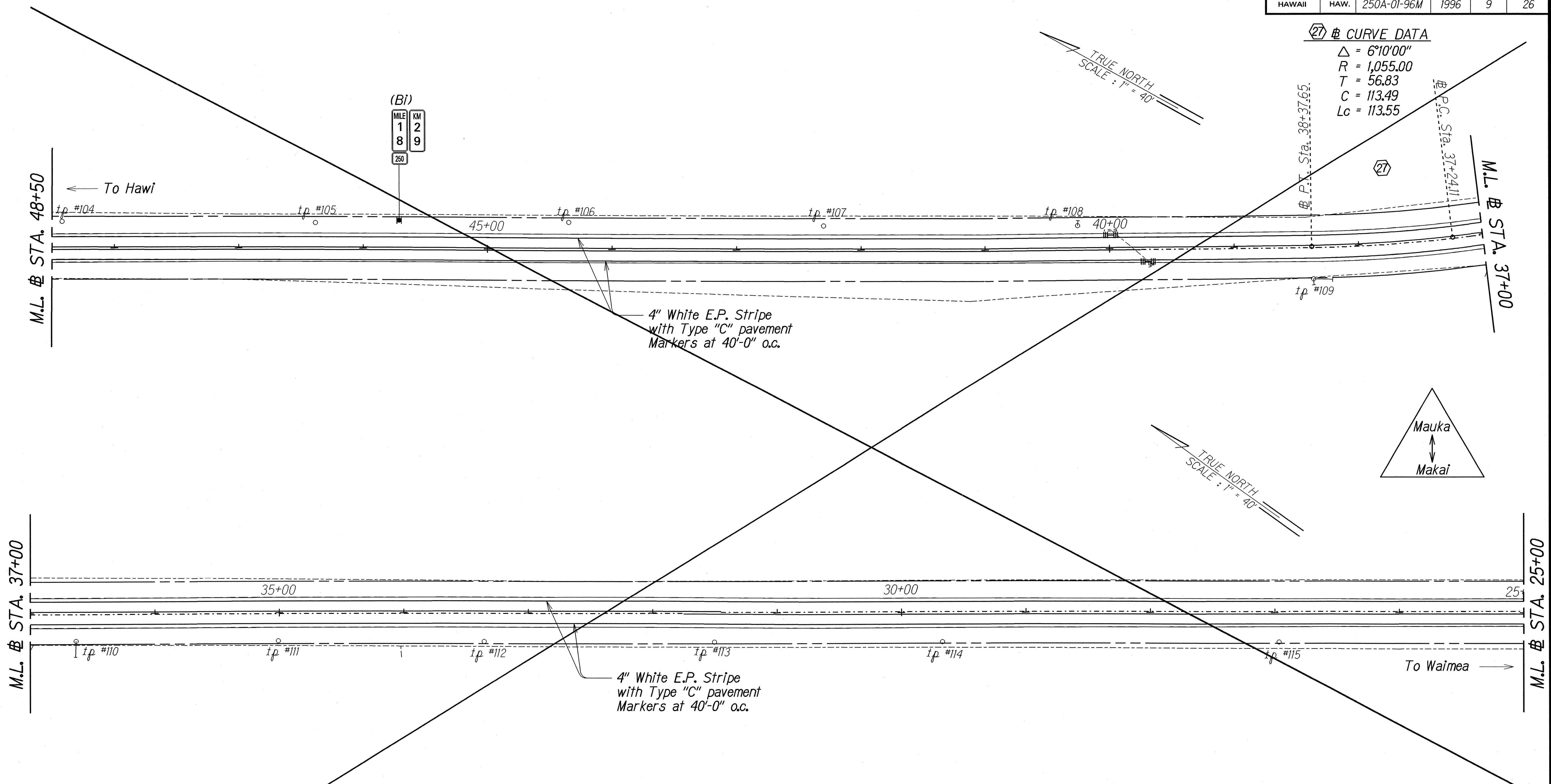
Scale: 1"=40' Date: March, 1996

SHEET No. 4 OF 16 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	9	26

27 CURVE DATA
 $\Delta = 6^{\circ}10'00''$
 $R = 1,055.00$
 $T = 56.83$
 $C = 113.49$
 $L_c = 113.55$



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

N I C

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY PLAN
KOHALA MOUNTAIN ROAD RESURFACING
IKI ROAD TO KAHUA
PROJECT NO. 250A-01-96M
Scale: 1"=40' Date: March, 1996

"AS-BUILT"

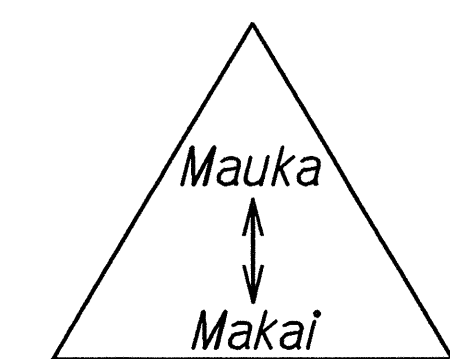
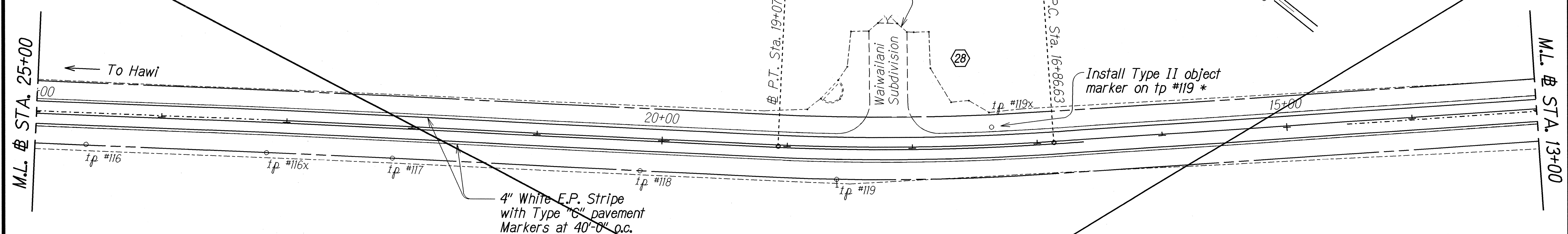
SHEET No. 5 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	10	26

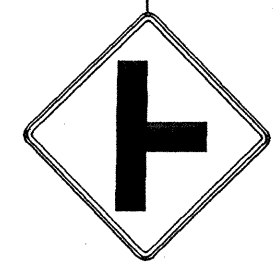
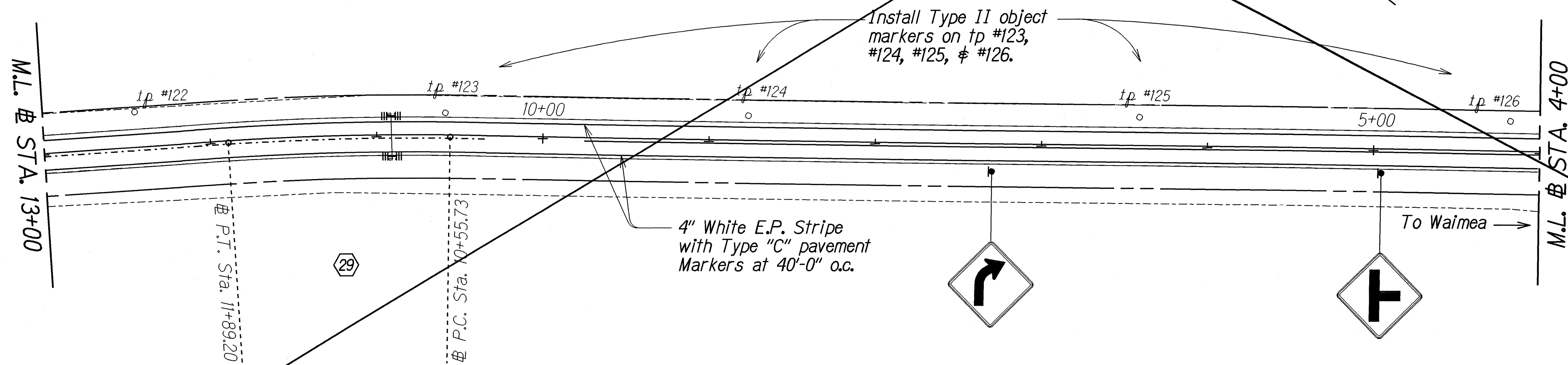
28 CURVE DATA

$\Delta = 6^{\circ}39'00''$
 $R = 1,900$
 $T = 110.385$
 $C = 220.40$
 $Lc = 220.52$

TRUE NORTH
SCALE: 1" = 40'



TRUE NORTH
SCALE: 1" = 40'



29 CURVE DATA

$\Delta = 4^{\circ}26'00''$
 $R = 1,725$
 $T = 66.77$
 $C = 133.44$
 $Lc = 133.47$

N I C

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN

KOHALA MOUNTAIN ROAD RESURFACING
IKI ROAD TO KAHUA
PROJECT NO. 250A-01-96M

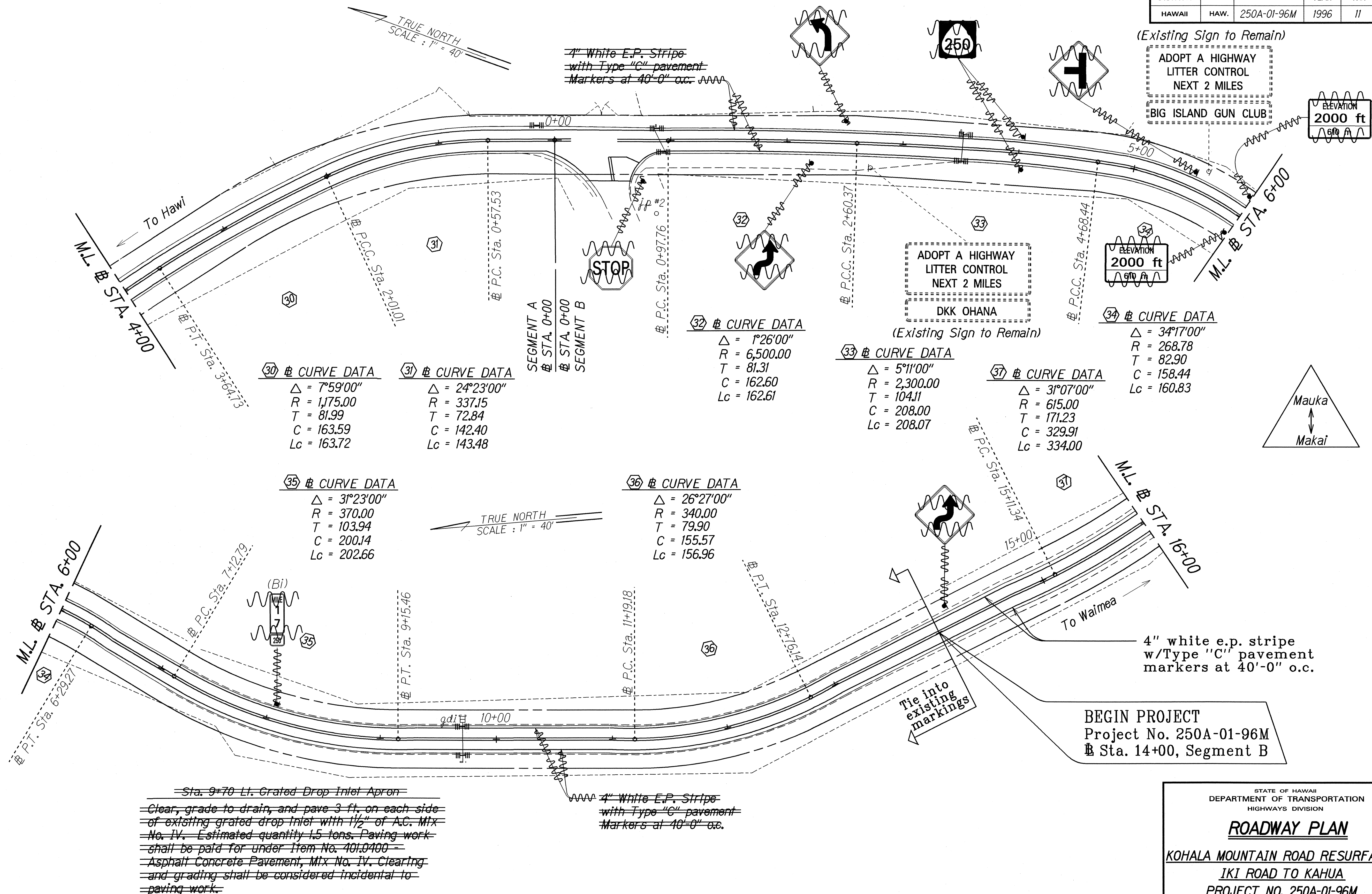
Scale: 1"=40' Date: March, 1996

SHEET No. 6 OF 16 SHEETS

"AS-BUILT"

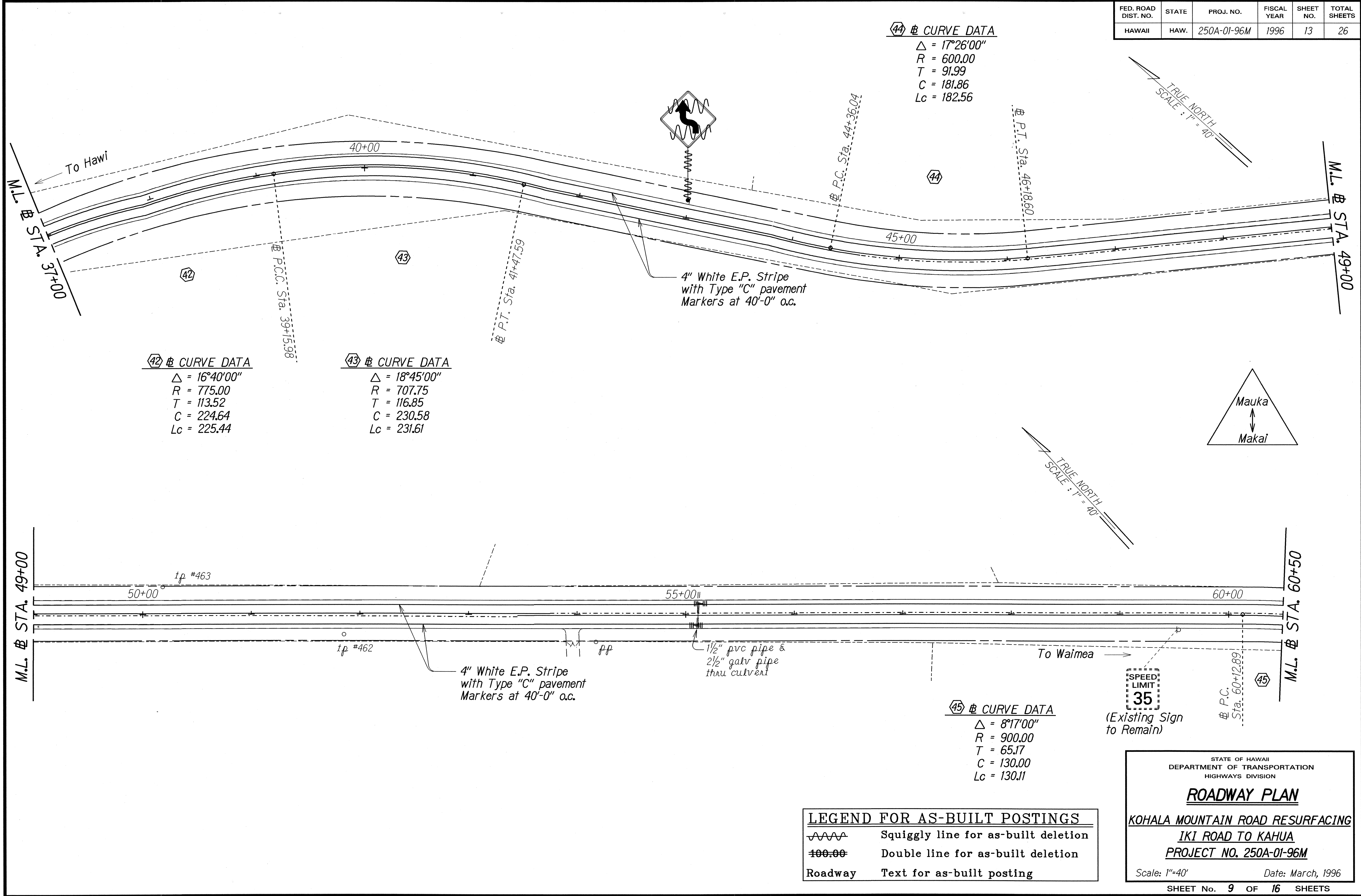
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	11	26



"AS-BUILT"

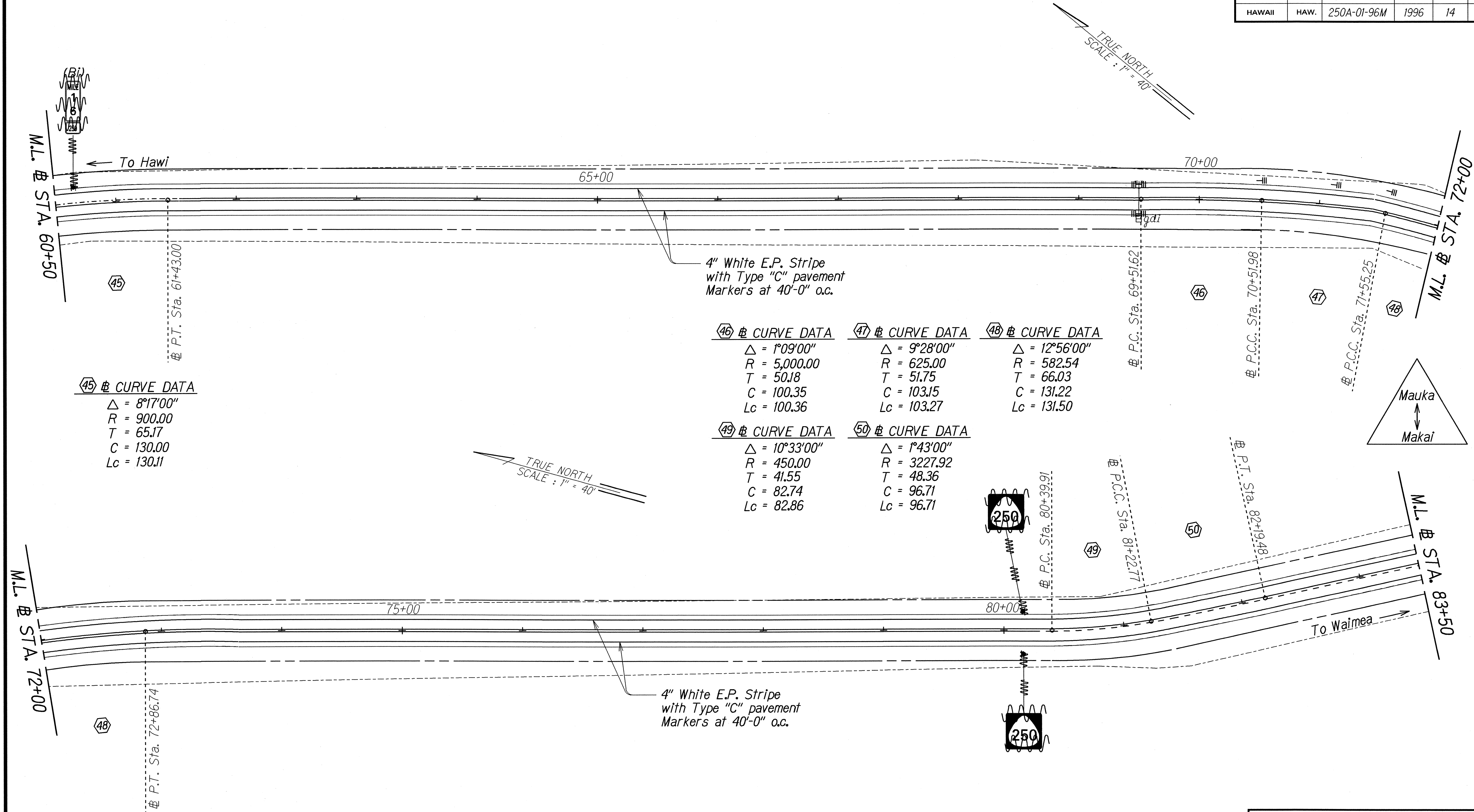
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	13	26



SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	14	26



DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NOTE BOOK	_____
ORIGINAL PLAN	_____
FILED	_____

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

KOHALA MOUNTAIN ROAD RESURFACING
IKI ROAD TO KAHUA
PROJECT NO. 250A-01-96M

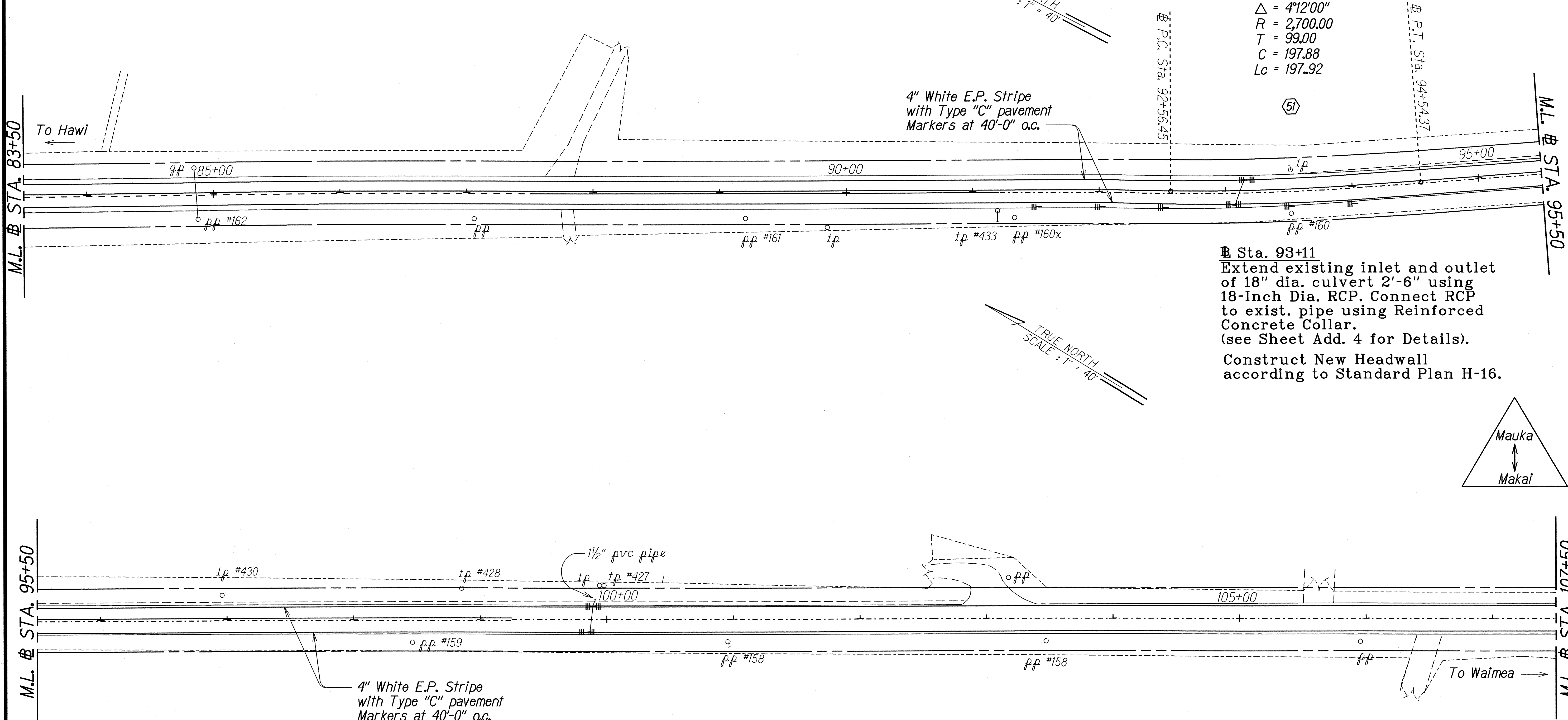
Scale: 1"=40' Date: March, 1996

SHEET No. 10 OF 16 SHEETS

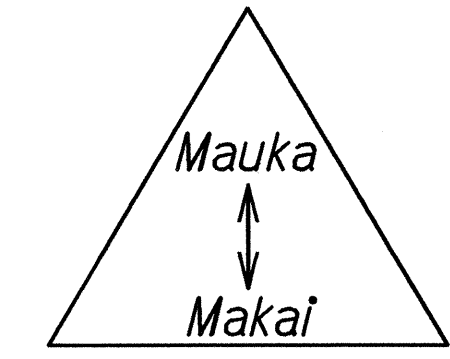
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	15	26

⑤ CURVE DATA
 $\Delta = 4^{\circ}12'00''$
 $R = 2,700.00$
 $T = 99.00$
 $C = 197.88$
 $Lc = 197.92$



Sta. 93+11
 Extend existing inlet and outlet of 18" dia. culvert 2'-6" using 18-inch Dia. RCP. Connect RCP to exist. pipe using Reinforced Concrete Collar. (see Sheet Add. 4 for Details).
 Construct New Headwall according to Standard Plan H-16.



Station 99+95 Extend Culvert Inlet and Outlet
 Extend inlet and outlet of 18-inch diameter culvert 2'-6" using 18-inch diameter RCP. Connect RCP to existing pipe using reinforced concrete collar detail shown on Addendum Sheet 4. Construct new headwall according to Standard Plan H-16. Payment for this work shall be made under Item No. 603.9000 - Culvert Extension, Station 99+95. Structural excavation, structural fill, removal of existing headwall, construction of reinforced concrete collar and headwall, grading inlet and outlet to drain, and other work necessary for completing extension of the culvert shall be included in payment under Item 603.9000.

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

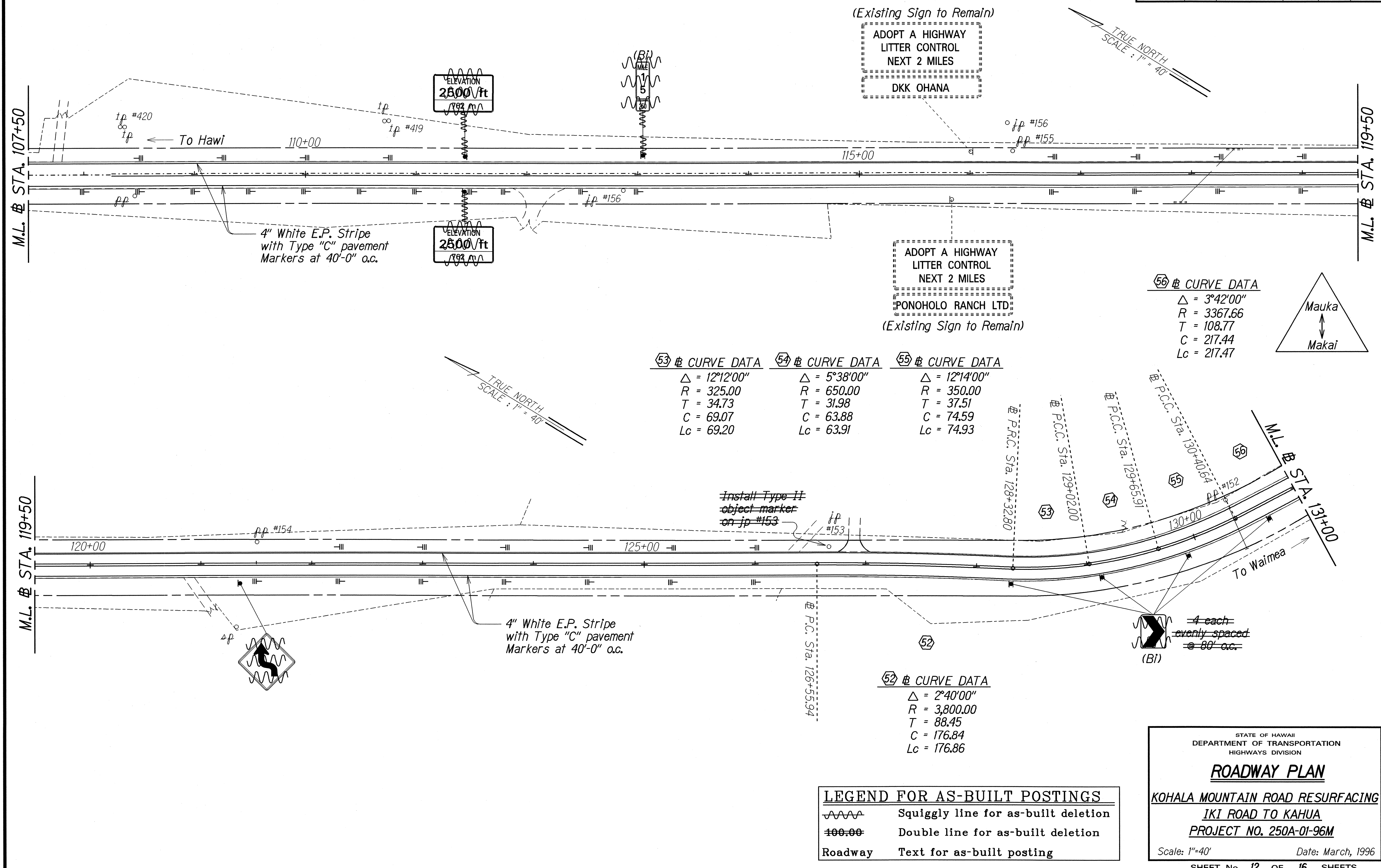
06/13/96	Culvert Extension at Station 99+95 Added.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ROADWAY PLAN KOHALA MOUNTAIN ROAD RESURFACING IKI ROAD TO KAHUA PROJECT NO. 250A-01-96M Scale: 1"=40' Date: March, 1996 SHEET No. 11 OF 16 SHEETS	

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	

"AS-BUILT"

ADD. 15

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	16	26



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

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

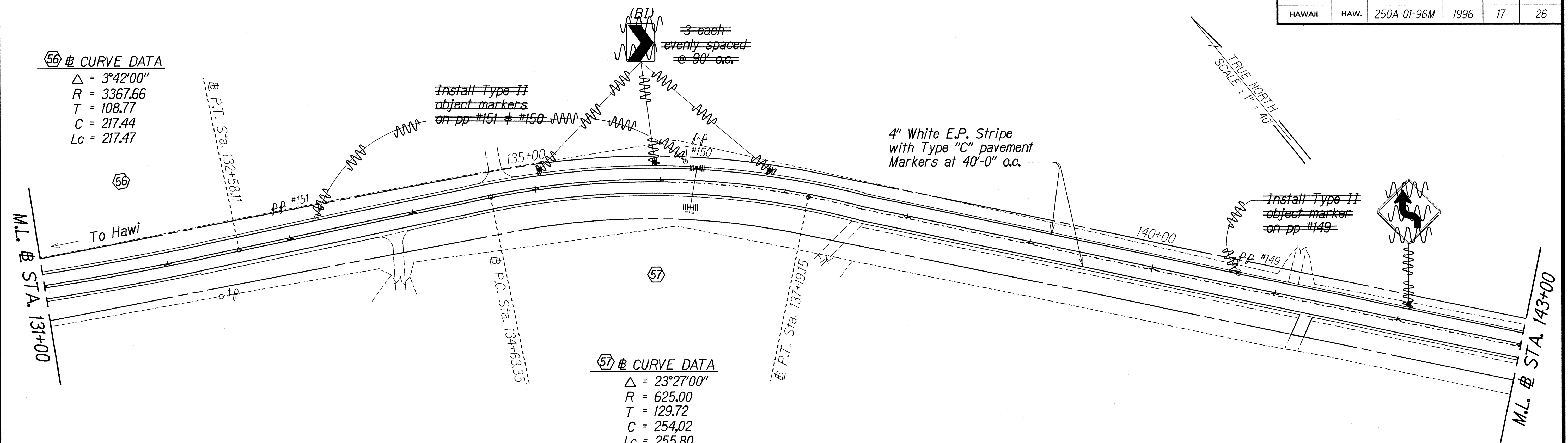
KOHALA MOUNTAIN ROAD RESURFACING
IKI ROAD TO KAHUA
PROJECT NO. 250A-01-96M

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

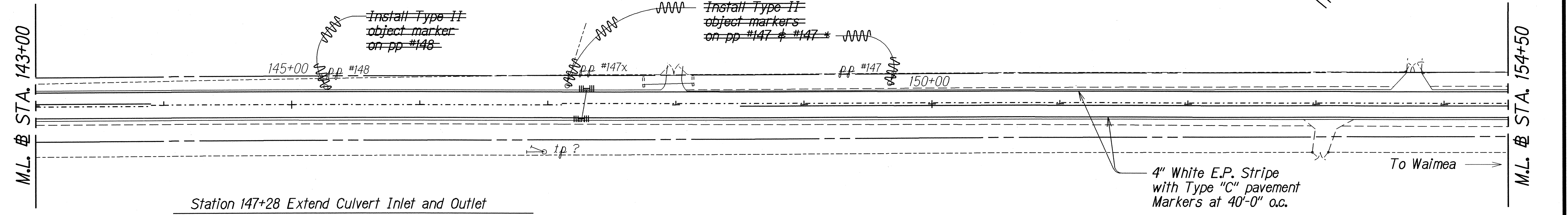
SHEET No. 12 OF 16 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	17	26

56 CURVE DATA
 $\Delta = 3^{\circ}42'00''$
 $R = 3367.66$
 $T = 108.77$
 $C = 217.44$
 $Lc = 217.47$



57 CURVE DATA
 $\Delta = 23^{\circ}27'00''$
 $R = 625.00$
 $T = 129.72$
 $C = 254.02$
 $Lc = 255.80$



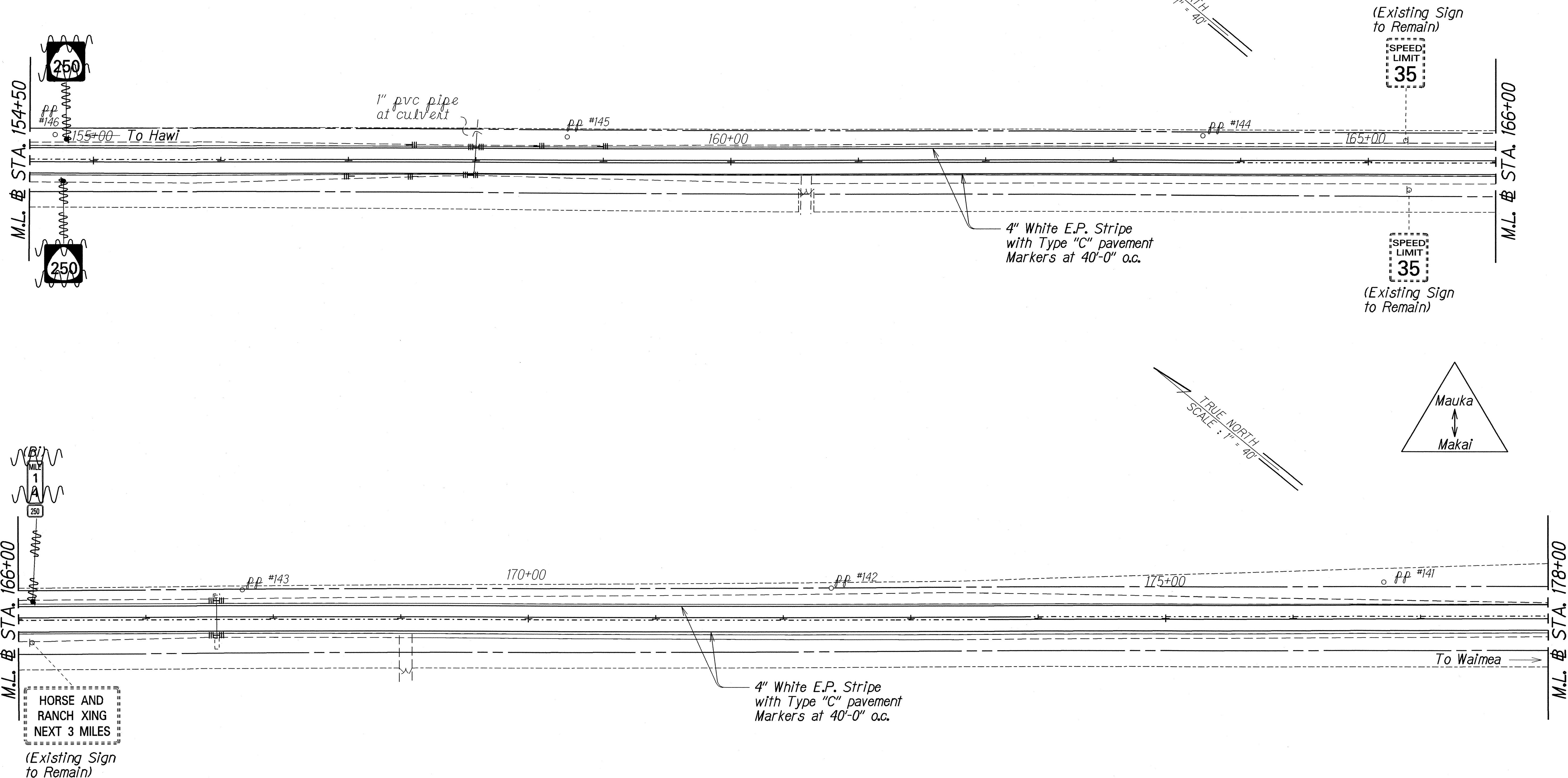
Station 147+28 Extend Culvert Inlet and Outlet
 Extend inlet and outlet of 18-inch diameter culvert 2'-6" using 18-inch diameter RCP. Connect RCP to existing pipe using reinforced concrete collar detail shown on Addendum Sheet 4. Construct new headwall according to Standard Plan H-16. Payment for this work shall be made under Item No. 603.9100 - Culvert Extension, Station 147+28. Structural excavation, structural fill, removal of existing headwall, construction of reinforced concrete collar and headwall, grading inlet and outlet to drain, and other work necessary for completing extension of the culvert shall be included in payment under Item 603.9100.

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

06/13/96	Culvert Extension at Station 147+28 Added.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
ROADWAY PLAN	
KOHALA MOUNTAIN ROAD RESURFACING	
IKI ROAD TO KAHUA	
PROJECT NO. 250A-01-96M	
Scale: 1"=40'	Date: March, 1996
SHEET No. 13 OF 16 SHEETS	

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

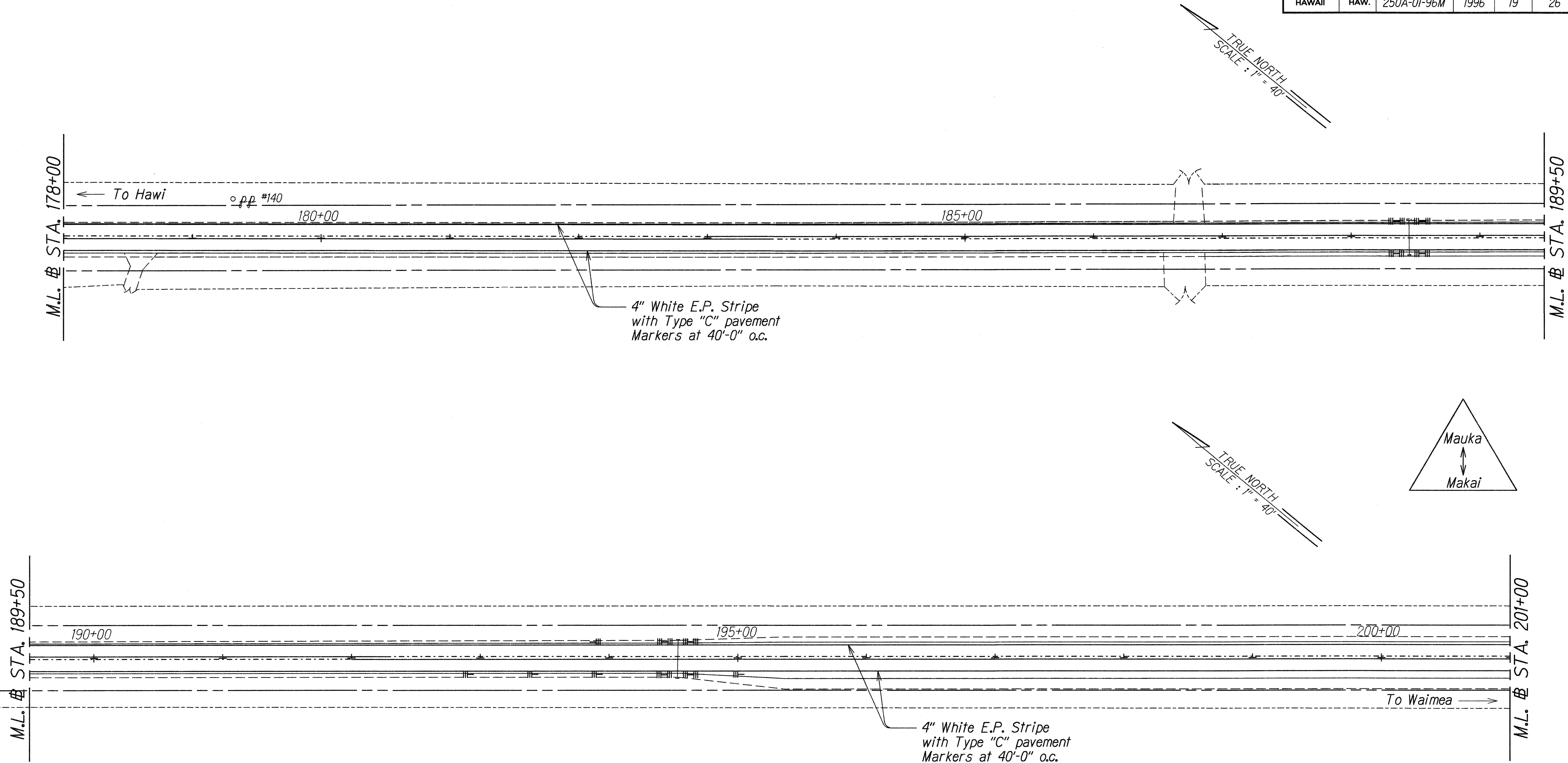
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	18	26



ORIGINAL PLAN	DATE	BY
NOTE BOOK	DESIGNED BY	BY
1/11/96/4	QUANTITIES BY	BY
1/11/96/4	CHECKED BY	BY

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	19	26



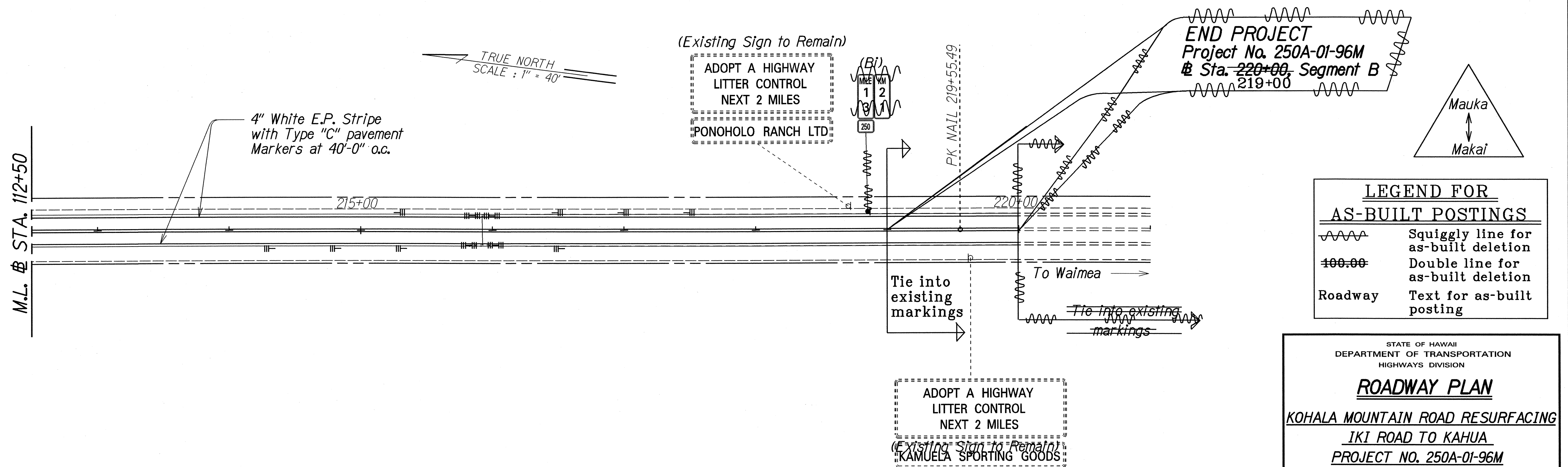
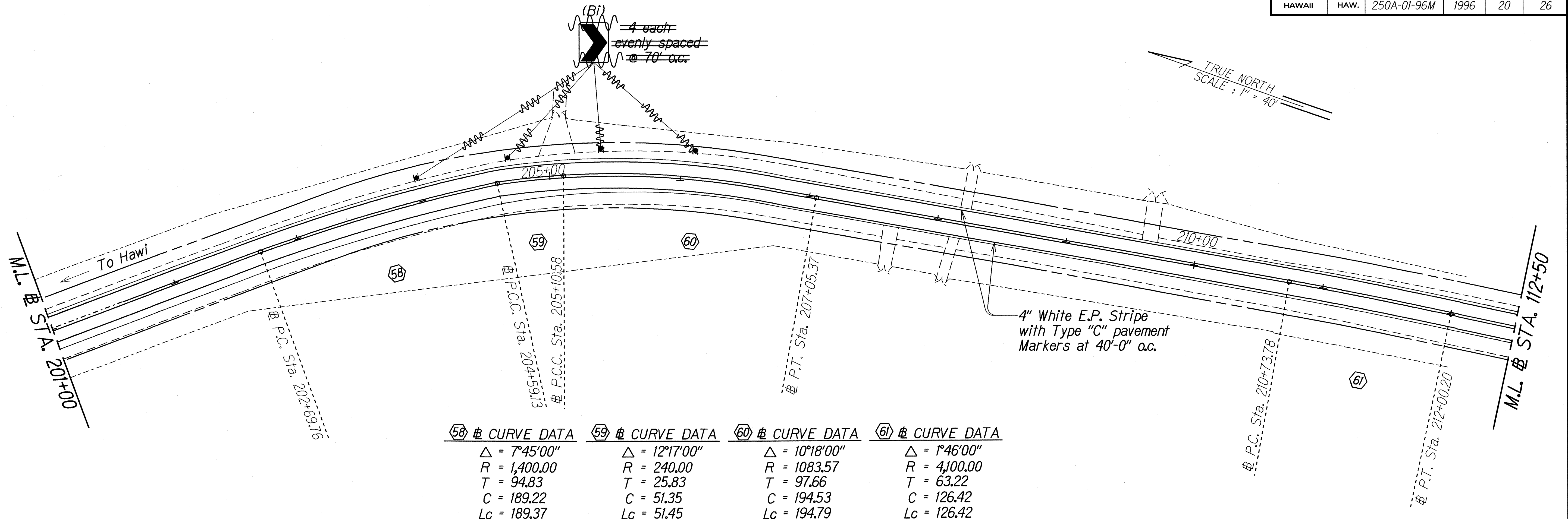
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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1/1/1995	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KOHALA MOUNTAIN ROAD RESURFACING
IKI ROAD TO KAHUA
PROJECT NO. 250A-01-96M

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	250A-01-96M	1996	20	26



"AS-BUILT"