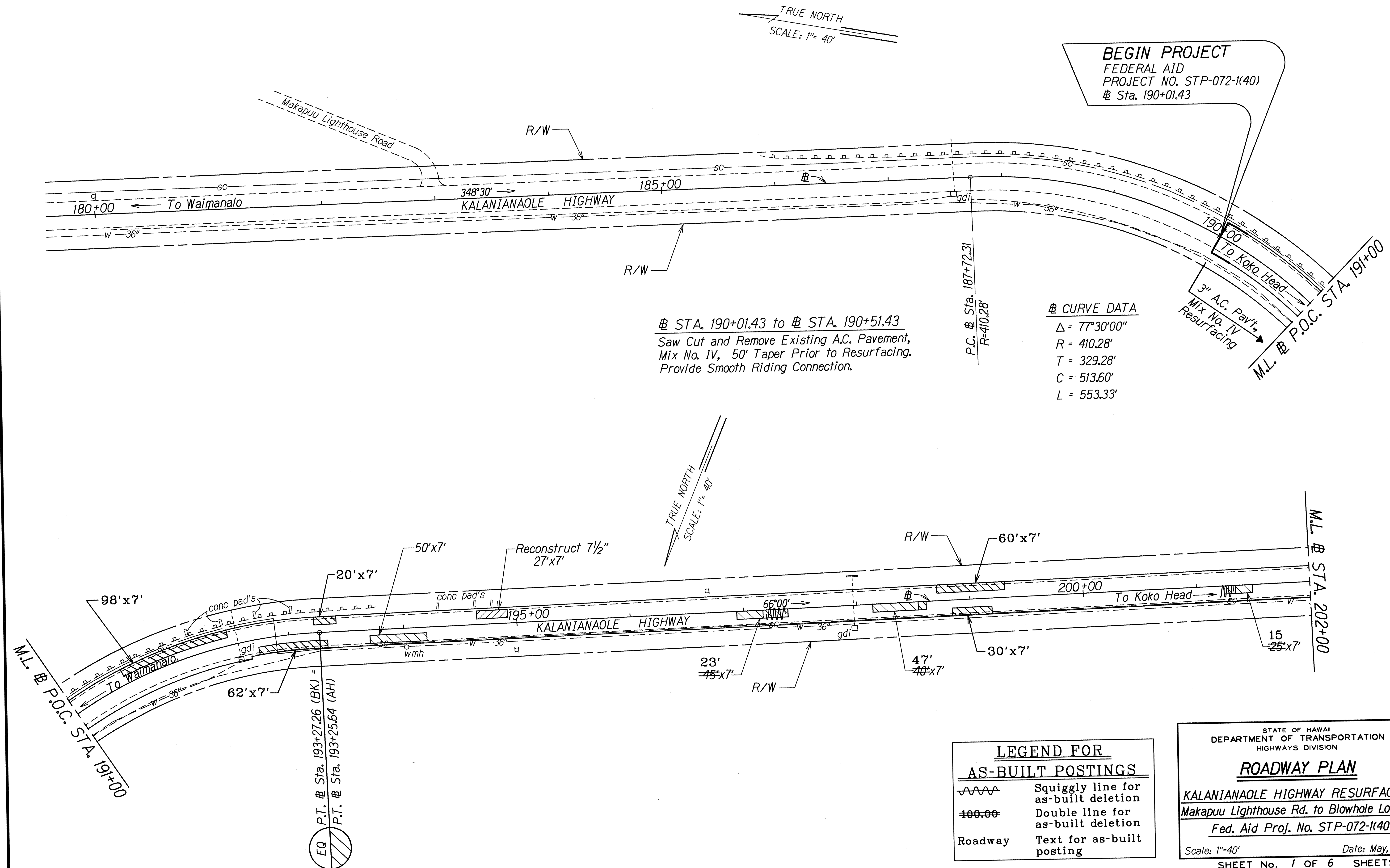
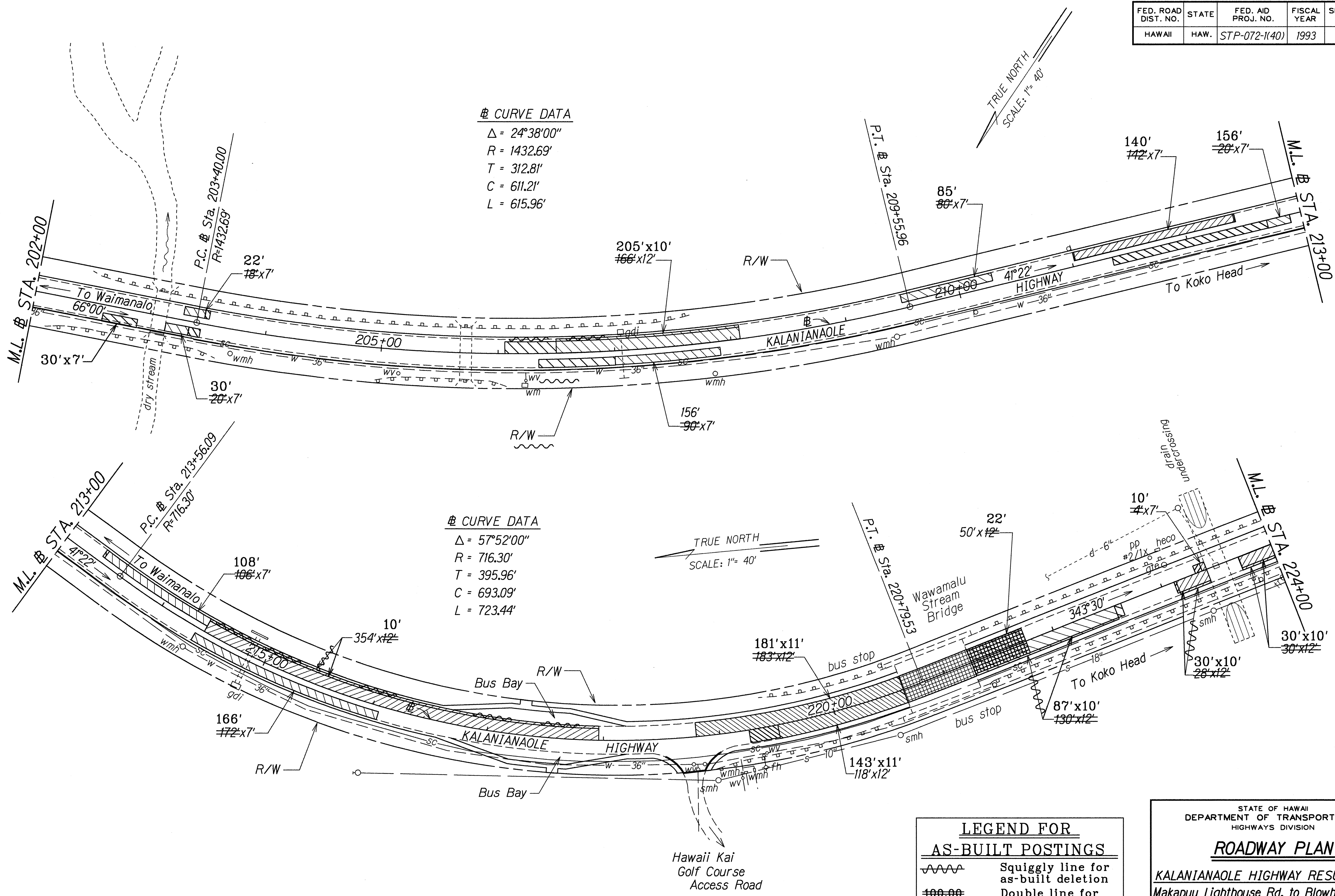


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	7	20



DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
4/26/93/gps/gms	
1	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	8	20



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTES BOOK	
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

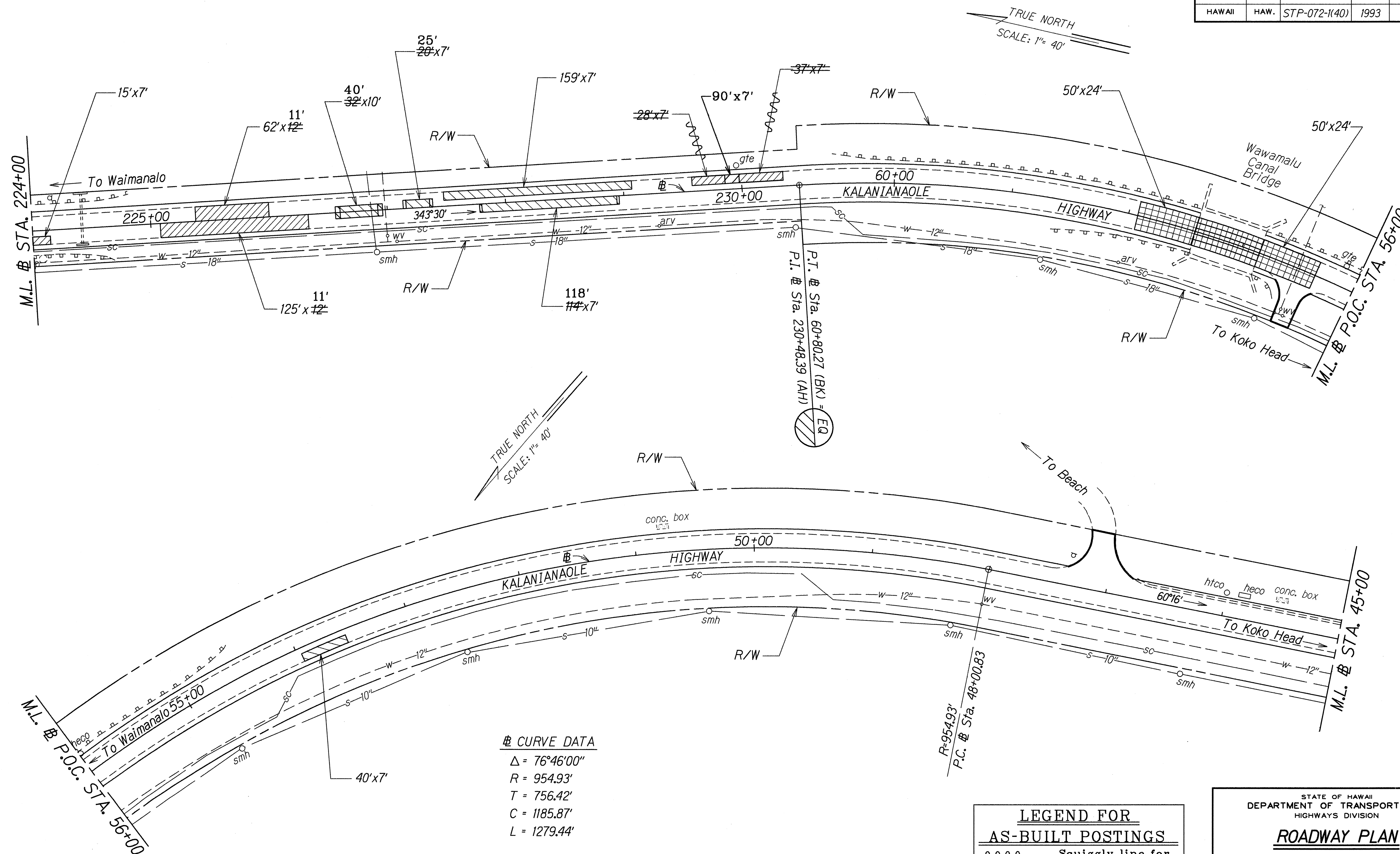
ROADWAY PLAN

KALANIANAʻOLE HIGHWAY RESURFACING
Makapuu Lighthouse Rd. to Blowhole Lookout
Fed. Aid Proj. No. STP-072-1(40)

Scale: 1"=40' Date: May, 1993

SHEET No. 2 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	9	20



CURVE DATA
 $\Delta = 76^\circ 46' 00''$
 $R = 954.93'$
 $T = 756.42'$
 $C = 1185.87'$
 $L = 1279.44'$

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

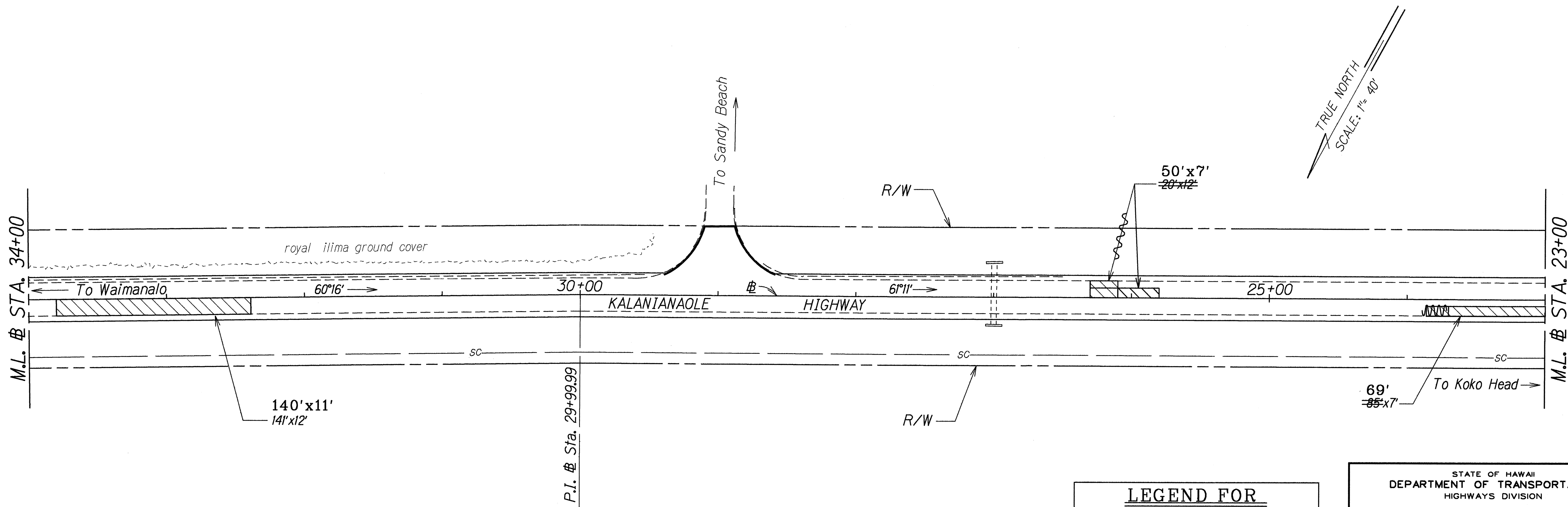
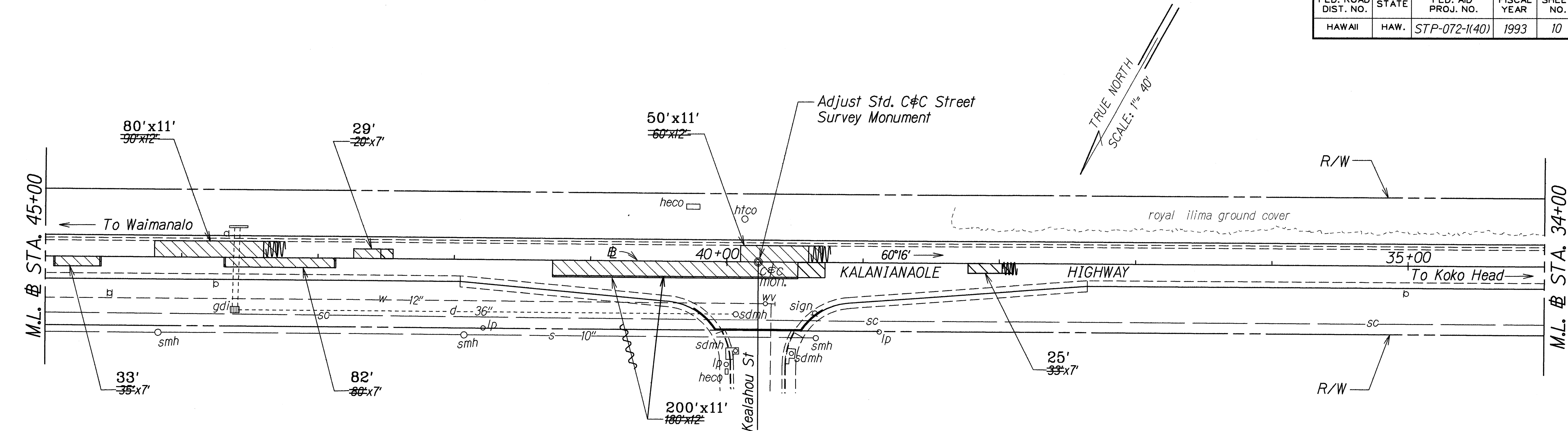
ROADWAY PLAN

KALANIANA'OLE HIGHWAY RESURFACING
 Makapuu Lighthouse Rd. to Blowhole Lookout
 Fed. Aid Proj. No. STP-072-1(40)

Scale: 1"=40' Date: May, 1993
 SHEET No. 3 OF 6 SHEETS

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	10	20



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED 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

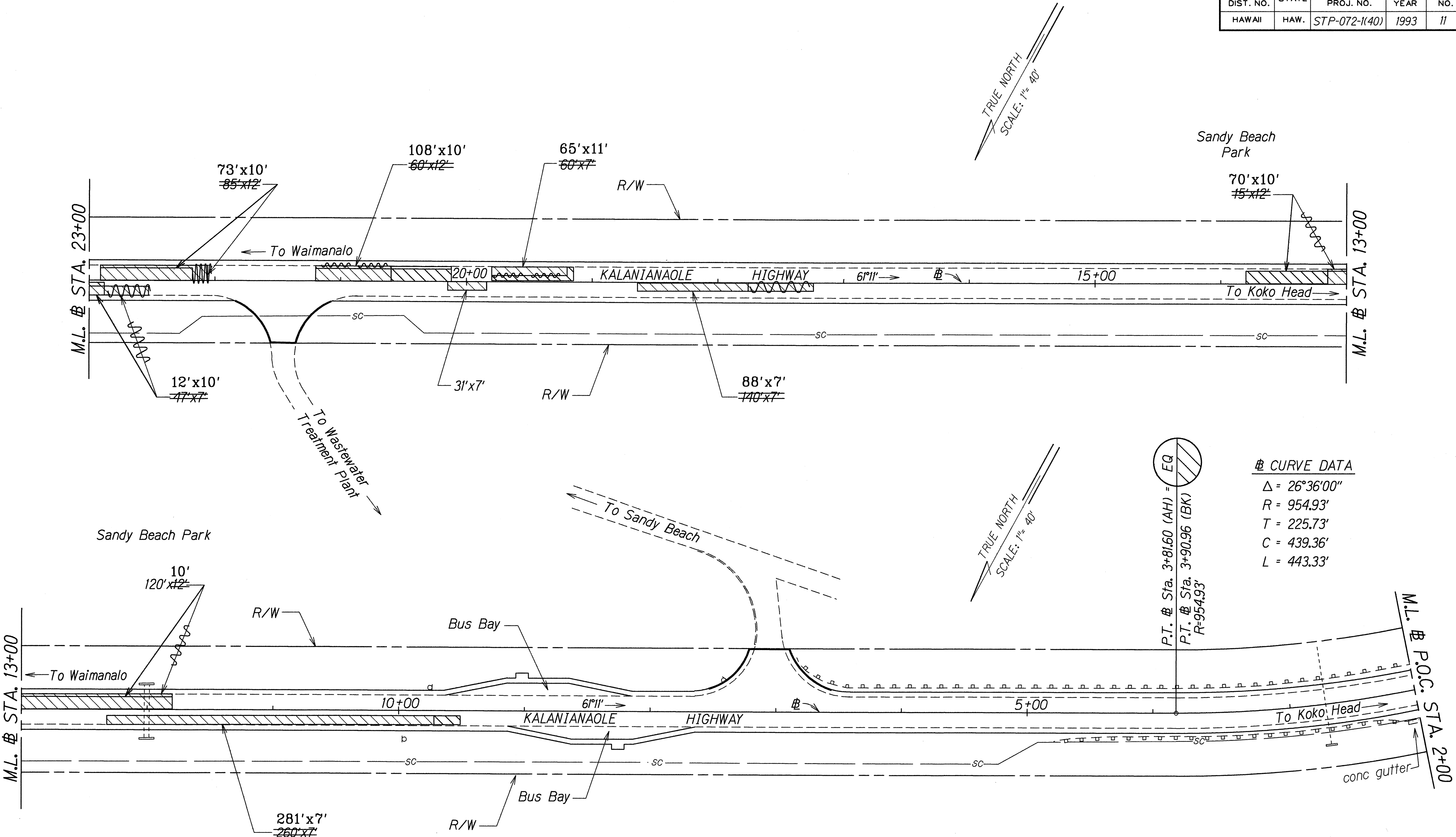
ROADWAY PLAN

KALANIANA'OLE HIGHWAY RESURFACING
Makapuu Lighthouse Rd. to Blowhole Lookout
Fed. Aid Proj. No. STP-072-1(40)

Scale: 1"=40' Date: May, 1993

SHEET No. 4 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	11	20



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

Curve Data 1:

- $\Delta = 26^{\circ}36'00''$
- $R = 954.93'$
- $T = 225.73'$
- $C = 439.36'$
- $L = 443.33'$

Curve Data 2:

- $\Delta = 17^{\circ}37'30''$
- $R = 1909.36'$
- $T = 296.01'$
- $C = 585.03'$
- $L = 587.50'$

Stationing and Key Points:

- M.L. @ P.O.C. STA. 2+00
- P.C. @ Sta. 457+63.95
- P.T. @ Sta. 452+45.20
- M.L. @ P.O.C. STA. 449+00

Dimensions and Features:

- Right-of-Way (R/W) dimensions: 20' x 12', 32' x 7', 40' x 7', 50' x 7', 50' x 11', 35' x 12'
- Grade Intersection Distance (gdi) dimensions: 11', 34'35"
- Scale: 1" = 40'
- True North arrow
- Directional arrows: To Waimanalo, To Koko Head

CURVE DATA

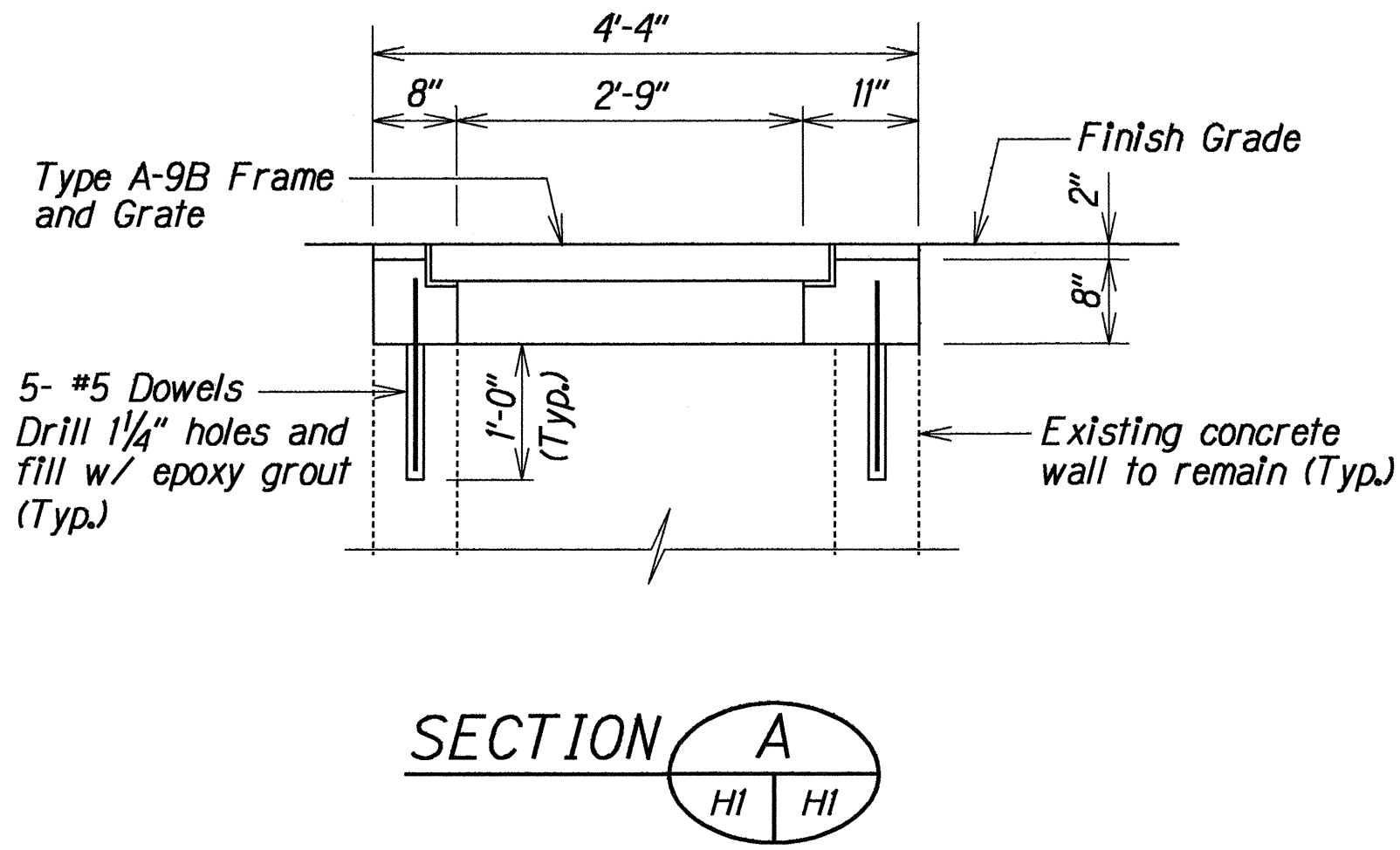
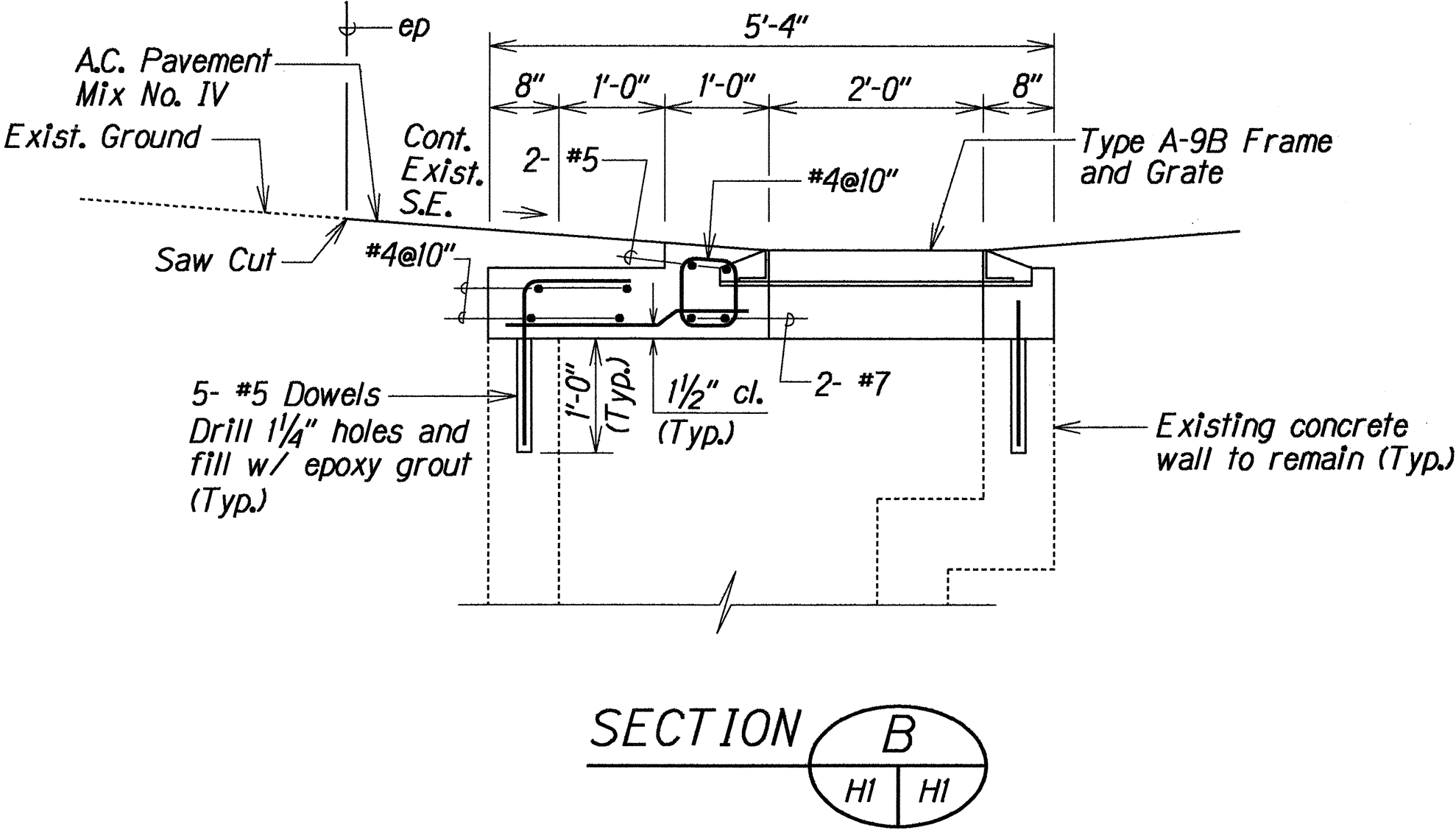
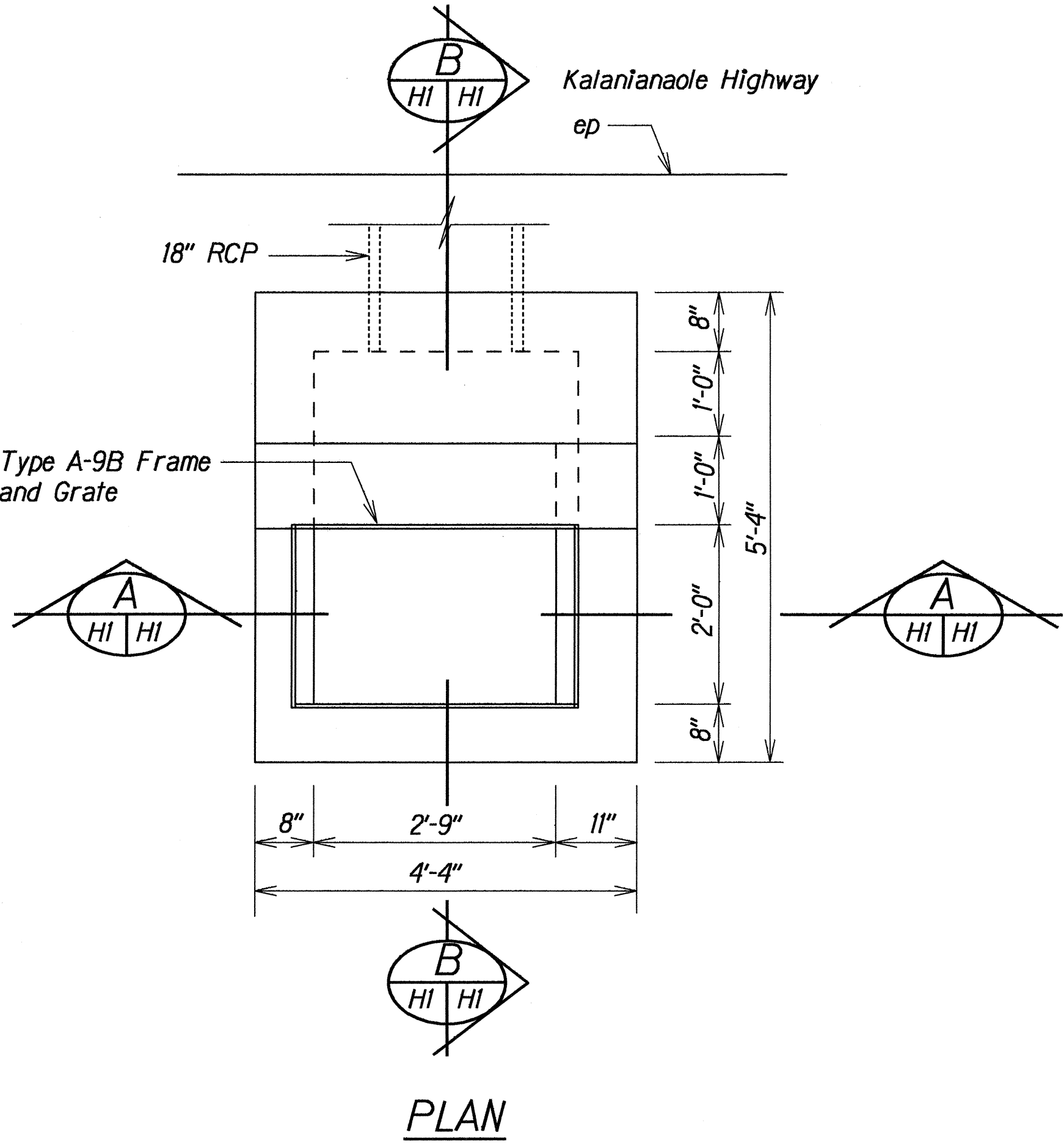
Station	P.C.	P.T.	L	R	T	C
449+00	442+60.75	445+39.40	277.37'	302.90'	149.65'	268.93'
445+00	438+96.59	438+27.40	286.50'	391.00'	150.00'	280.40'

Other Labels:

- To Waimanalo
- To Koko Head
- HIGHWAY
- R/W
- SC
- TRUE NORTH
- SCALE: 1" = 40'
- EQ (Equalized)
- Blow Hole Lookout
- KALANIANA'OLE

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
<i>Maligdpn/grad</i>	TRACED BY _____
N _o _____	DESIGNED BY _____
	QUANTITIES BY _____
	CHECKED BY _____

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-072-1(40)	1993	C012S-1	20



NOTE: The frame and grates shall be aligned with the existing longitudinal slope.

DETAILS OF TYPE A-9B GRATED DROP INLET

10/29/93	Details of Type A-9B GDI added to Contract Plan.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

KALANIANA'OLE HIGHWAY RESURFACING
Makapuu Lighthouse Rd. to Blowhole Lookout
Fed. Aid Proj. No. STP-072-1(40)

Scale: 3/4"=1'-0"
Date: Oct. 1993

SHEET No. HI OF 1 SHEETS