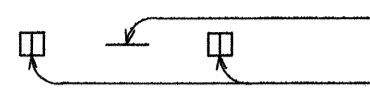
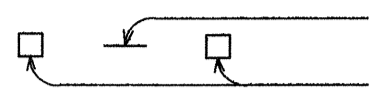









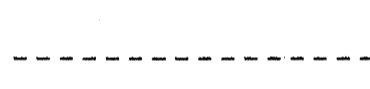
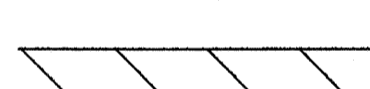
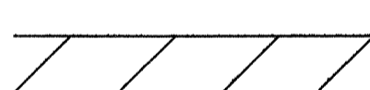


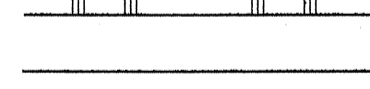


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	15	26

LEGEND

-  4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 40'-0" o.c.
-  4 each Type J Raised Pavement Markers
Type D Raised Pavement Markers @ 40'-0" o.c.
-  8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow with Type D Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow Stripes with Type H Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" Yellow Edge Stripe with Type H Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" Double Solid White Stripes with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  Lane Change Restriction Marking
4 each Type A Raised Pavement Markers
Type C Raised Pavement Markers @ 20'-0" o.c.
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)
-  4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" White Guide Lines (Tape, Type III or Thermoplastic Extrusion except for bus bays)
-  Transverse Median Marking (Tape, Type II or Thermoplastic Extrusion)
-  Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion)
-  Channelizing Island or Deceleration Lane Gore (Tape, Type II or Thermoplastic Extrusion)
-  Crosswalk and Stop Line. All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment (Tape, Type III or Thermoplastic Extrusion)
-  Pavement Arrow (Tape, Type III or Thermoplastic Extrusion)
-  Pavement Word (Tape, Type III or Thermoplastic Extrusion)
-  4 Each Type J Raised Pavement Markers
Type D Raised Pavement Markers @ 40'-0" o.c.
Type H Raised Pavement Markers (Reflective Surface facing no-passing direction)
4" Single Solid Yellow Stripe (Tape, Type I or Thermoplastic Extrusion)
-  Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. w/Type C Markers @ 40'-0" o.c. (Tape, Type III or Thermoplastic Extrusion)

NOTES

1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
3. Raised pavement markers shall not be installed within crosswalks.
4. Final locations of all signs shall be approved by the Engineer prior to any installation work.
5. Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
6. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
7. All pavement striping shall be as noted on the Legend or plans.
8. All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.

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

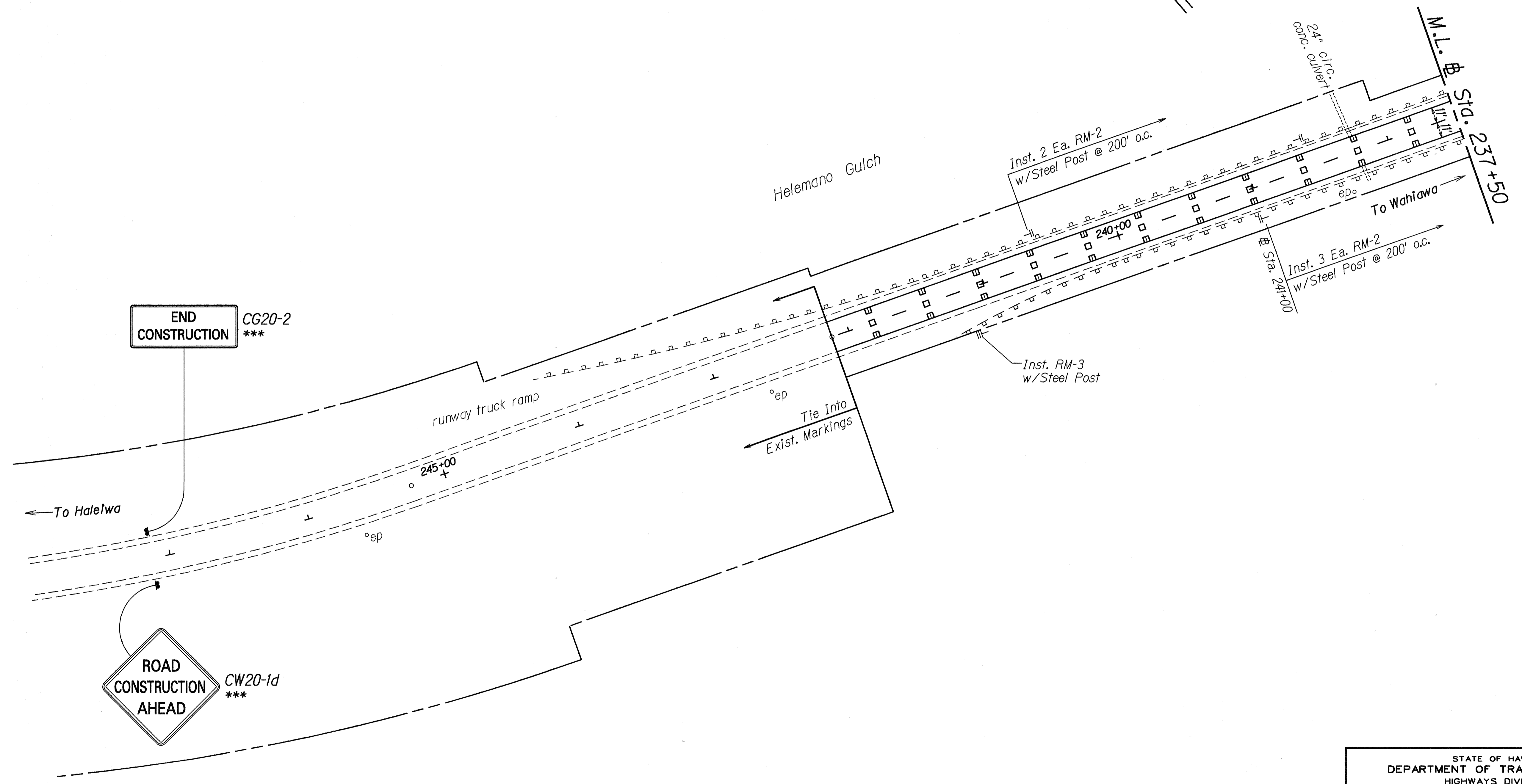
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING
LEGEND & NOTES

KAMEHAMEHA HIGHWAY RESURFACING
Weed Junction to Paalaa Uka Pupukea Road
F.A.P. No. STP-099-1(10)
Date: Mar., 1993

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	16	26

TRUE NORTH
SCALE: 1" = 40'



END CONSTRUCTION CG20-2 ***

ROAD CONSTRUCTION AHEAD CW20-1d ***

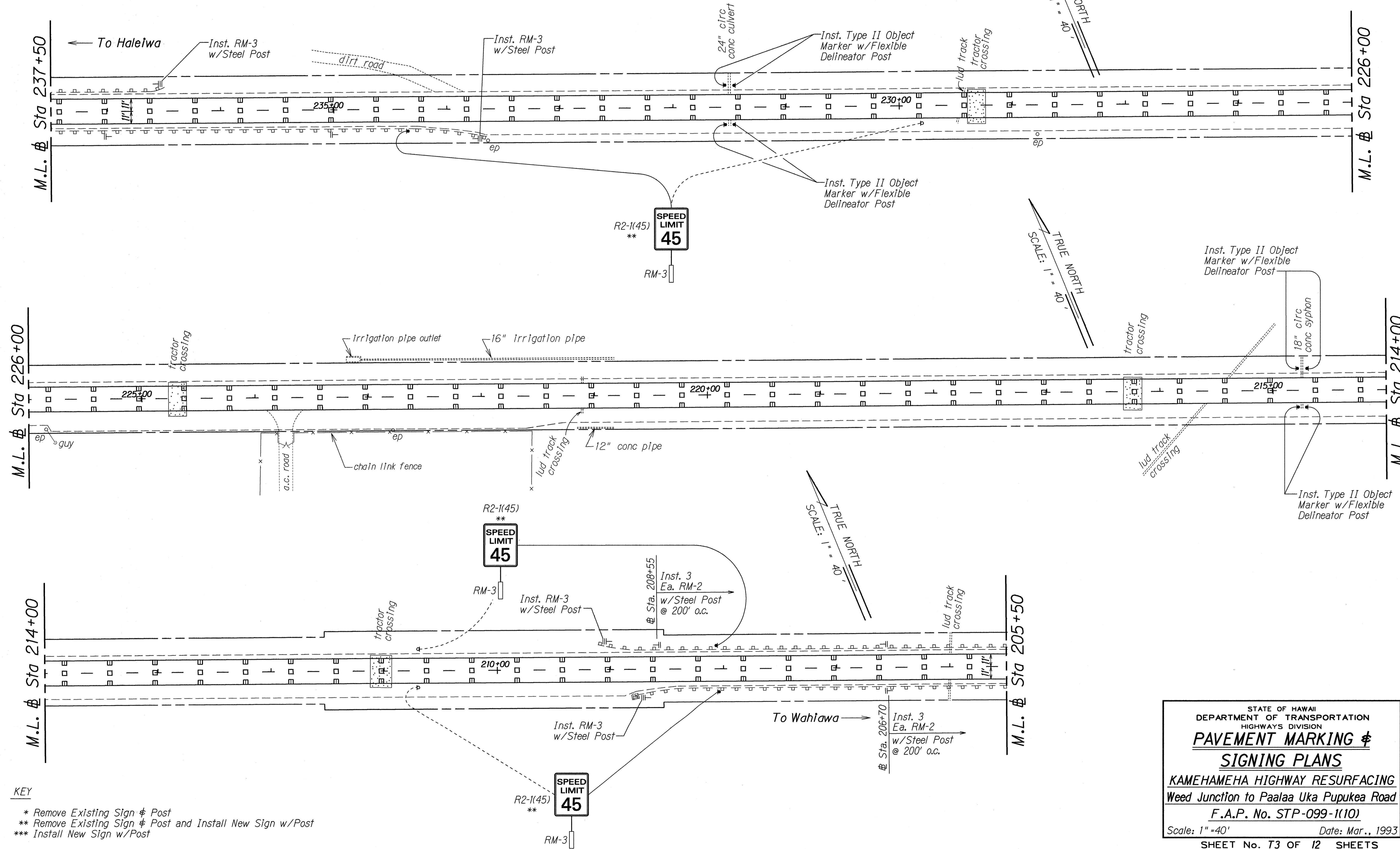
KEY

- * Remove Existing Sign & Post
- ** Remove Existing Sign & Post and Install New Sign w/Post
- *** Install New Sign w/Post

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLAN
KAMEHAMEHA HIGHWAY RESURFACING
Weed Junction to Paalaa Uka Pupukea Road
F.A.P. No. STP-099-1(10)
Scale: 1" = 40' Date: Mar., 1993
SHEET No. T2 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	17	26



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

KEY

- * Remove Existing Sign & Post
- ** Remove Existing Sign & Post and Install New Sign w/Post
- *** Install New Sign w/Post

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

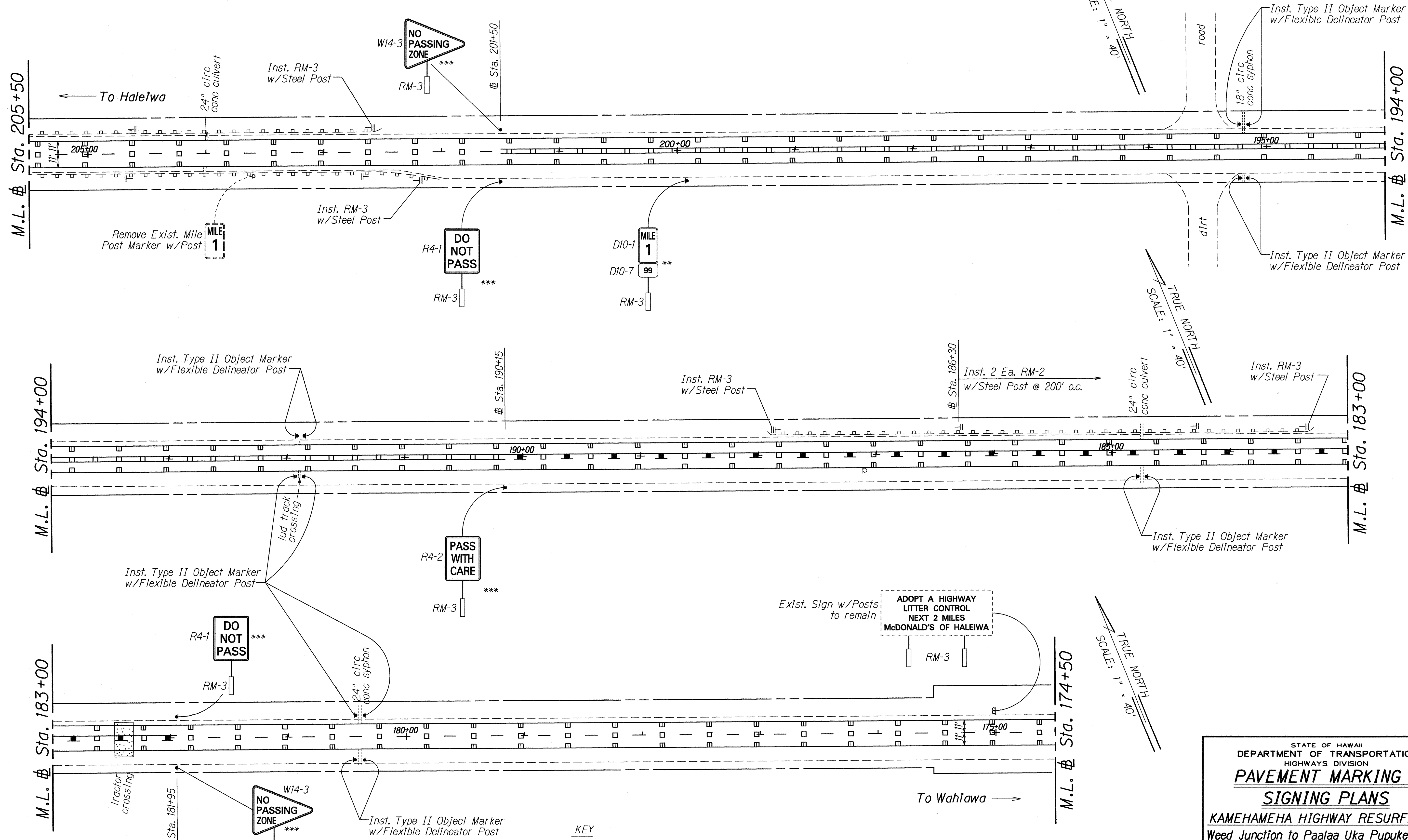
PAVEMENT MARKING & SIGNING PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Weed Junction to Paalaa Uka Pupukea Road
F.A.P. No. STP-099-1(10)

Scale: 1" = 40' Date: Mar., 1993

SHEET No. T3 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	18	26



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

KEY

- * Remove Existing Sign & Post
- ** Remove Existing Sign & Post and Install New Sign w/Post
- *** Install New Sign w/Post

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

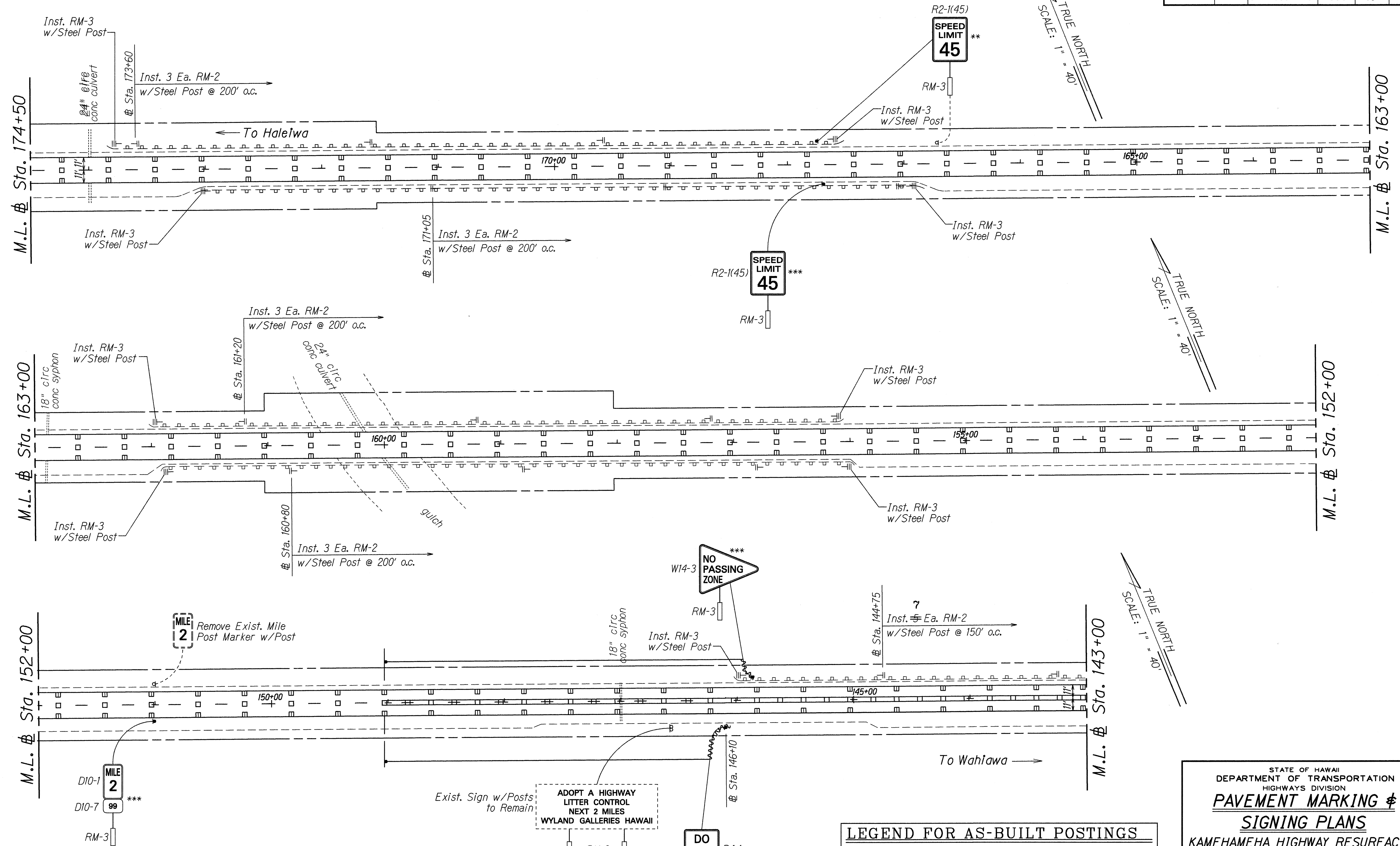
PAVEMENT MARKING &
SIGNING PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Weed Junction to Paalaa Uka Pupukea Road
F.A.P. No. STP-099-1(10)

Scale: 1" = 40' Date: Mar., 1993

SHEET No. T4 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	19	26



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

KEY
 * Remove Existing Sign & Post
 ** Remove Existing Sign & Post and Install New Sign w/Post
 *** Install New Sign w/Post

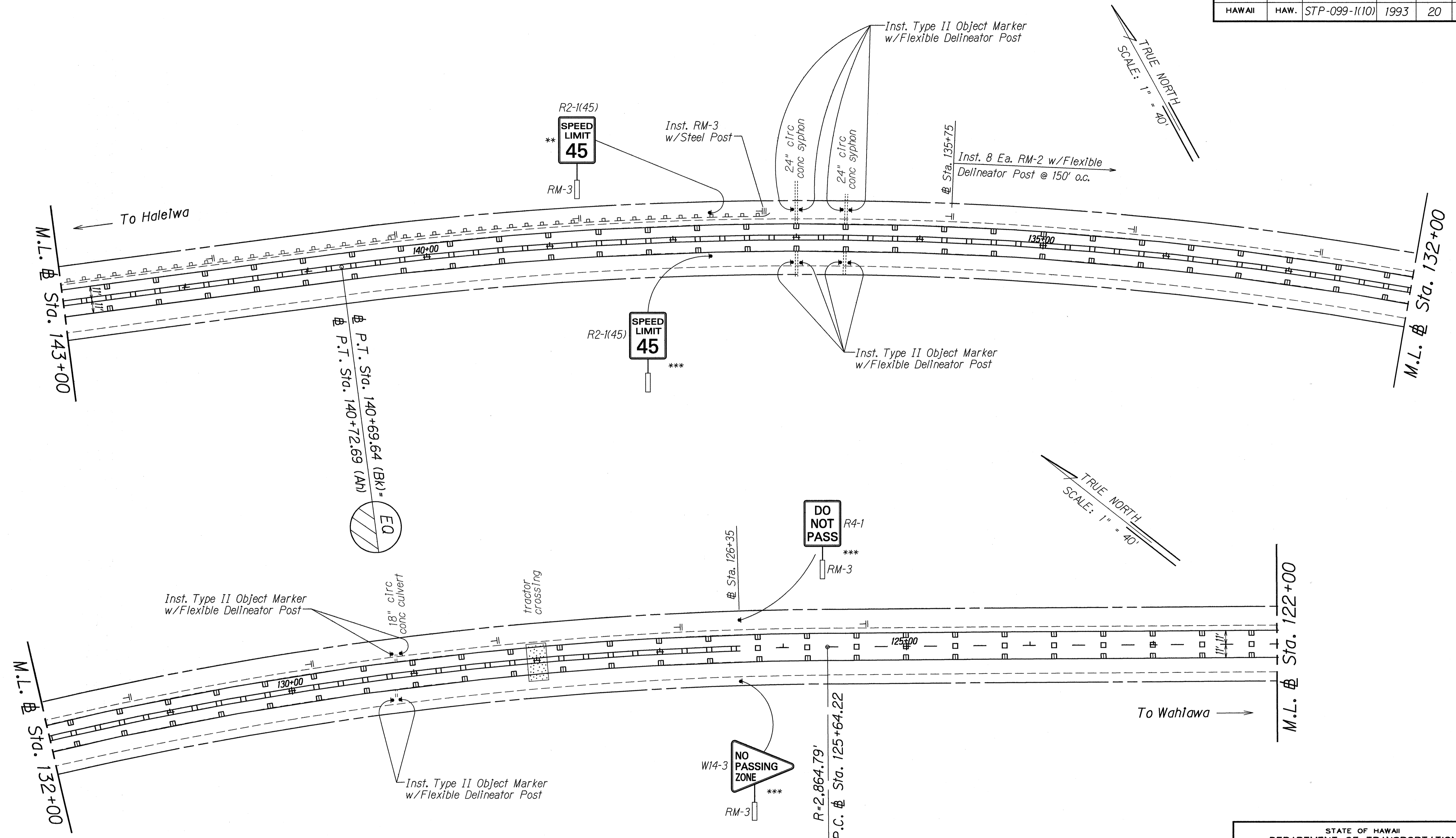
Exist. Sign w/Posts to Remain
 ADOPT A HIGHWAY LITTER CONTROL NEXT 2 MILES WYLAND GALLERIES HAWAII

	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
PAVEMENT MARKING & SIGNING PLANS
 KAMEHAMEHA HIGHWAY RESURFACING
 Weed Junction to Paalaa Uka Pupukea Road
 F.A.P. No. STP-099-1(10)
 Scale: 1" = 40' Date: Mar., 1993
 SHEET No. 15 OF 12 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	20	26



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

KEY

- * Remove Existing Sign & Post
- ** Remove Existing Sign & Post and Install New Sign w/Post
- *** Install New Sign w/Post

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

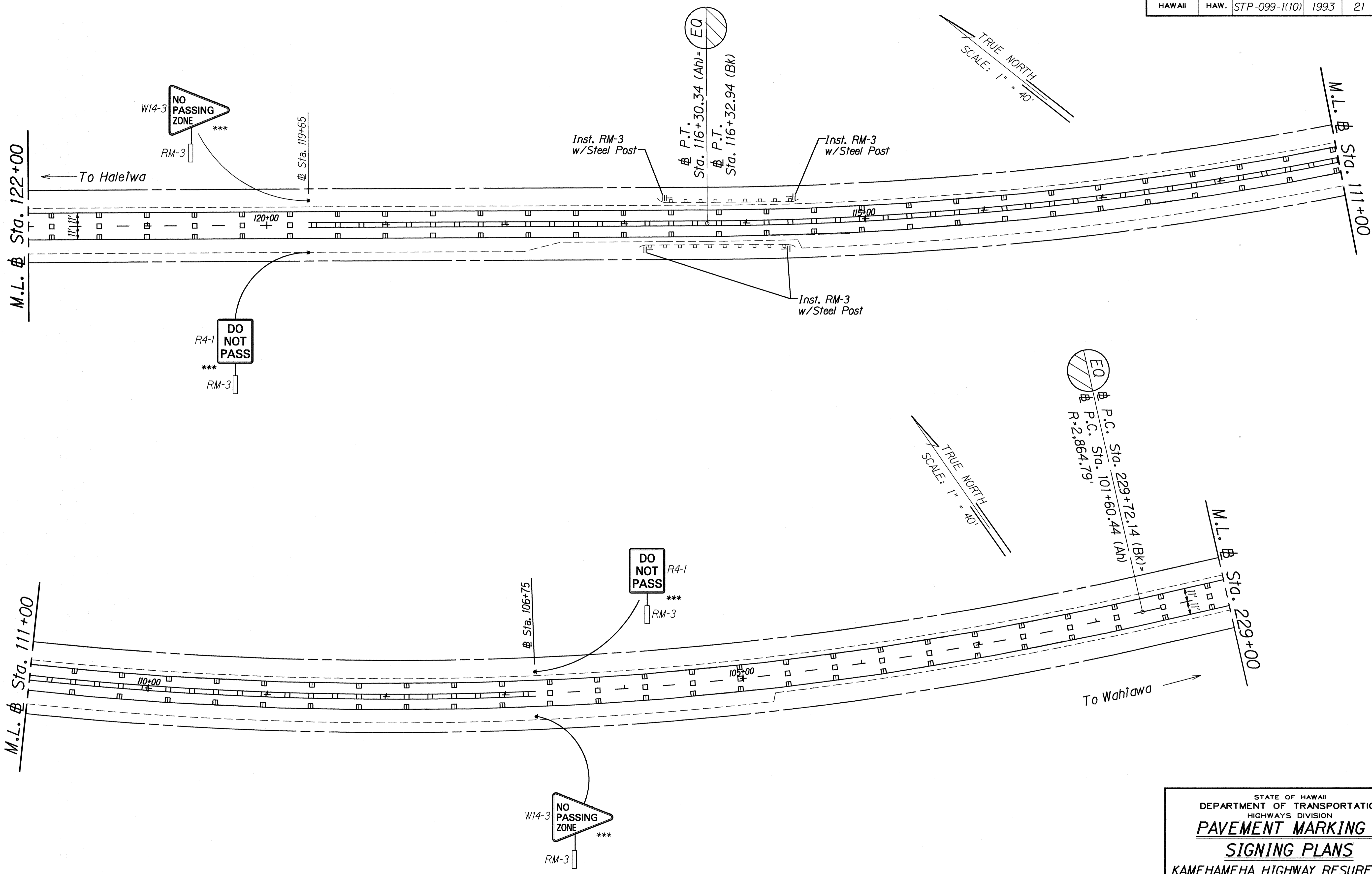
PAVEMENT MARKING &
SIGNING PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Weed Junction to Paalaa Uka Pupukea Road
F.A.P. No. STP-099-1(10)

Scale: 1" = 40' Date: Mar., 1993

SHEET No. T6 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	21	26



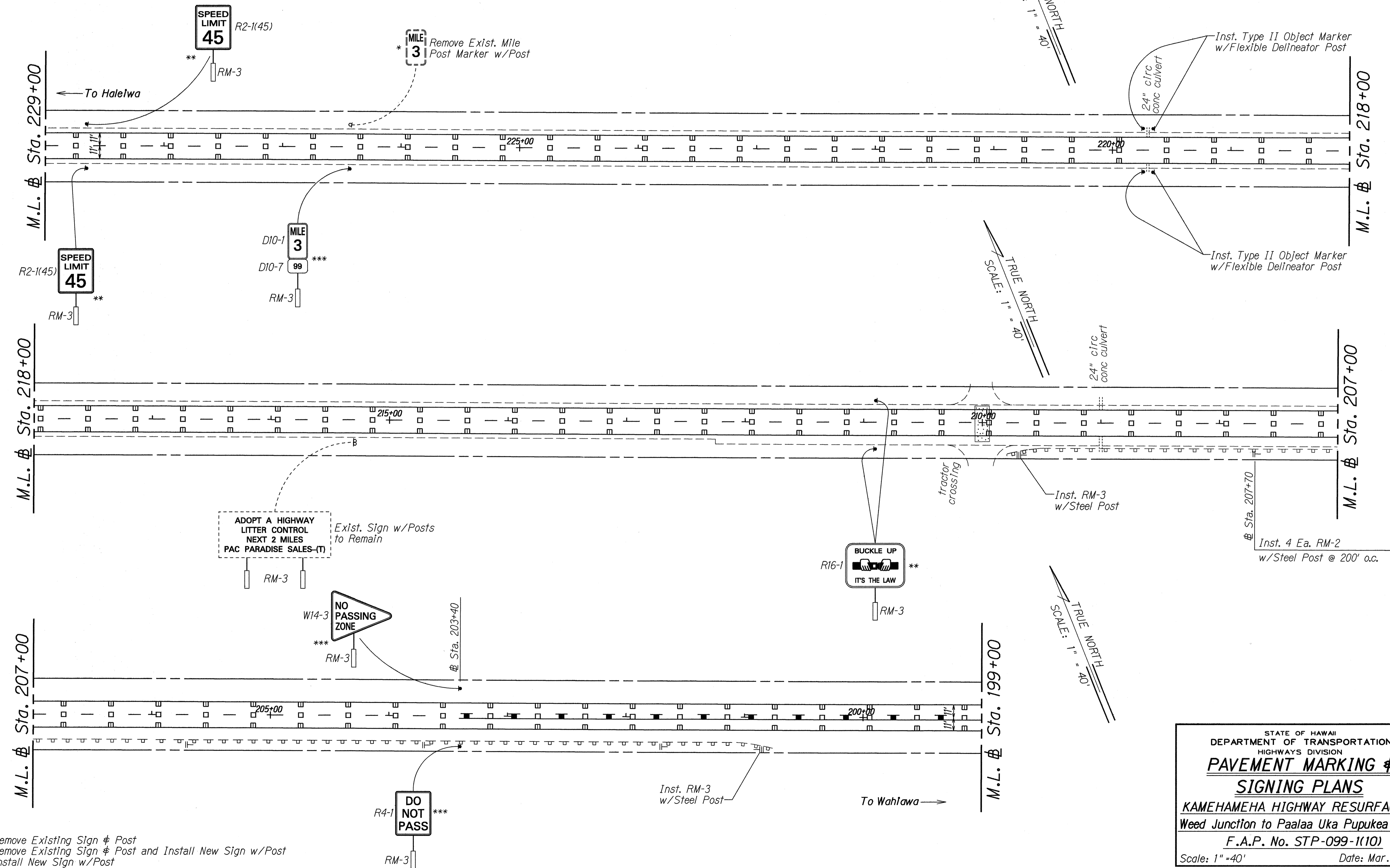
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

KEY

- * Remove Existing Sign & Post
- ** Remove Existing Sign & Post and Install New Sign w/Post
- *** Install New Sign w/Post

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNING PLANS
 KAMEHAMEHA HIGHWAY RESURFACING
 Weed Junction to Paalaa Uka Pupukea Road
 F.A.P. No. STP-099-1(10)
 Scale: 1" = 40' Date: Mar., 1993
 SHEET No. 17 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	22	26



KEY

- * Remove Existing Sign & Post
- ** Remove Existing Sign & Post and Install New Sign w/Post
- *** Install New Sign w/Post

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

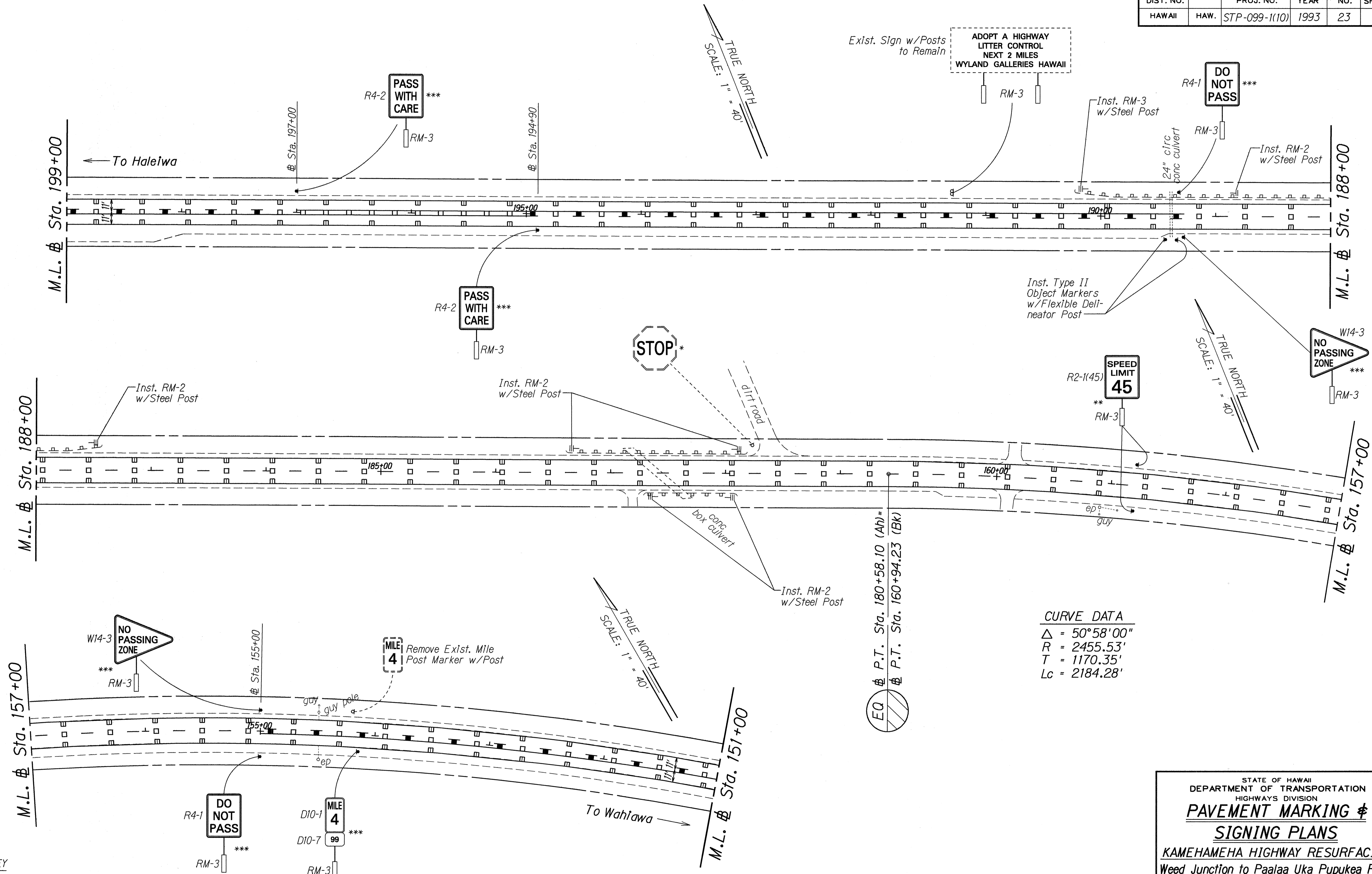
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Weed Junction to Paalaa Uka Pupukea Road
F.A.P. No. STP-099-1(10)
Scale: 1" = 40' Date: Mar., 1993

SHEET No. 18 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	23	26



CURVE DATA

Δ	= 50°58'00"
R	= 2455.53'
T	= 1170.35'
Lc	= 2184.28'

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

KEY

- * Remove Existing Sign & Post
- ** Remove Existing Sign & Post and Install New Sign w/Post
- *** Install New Sign w/Post

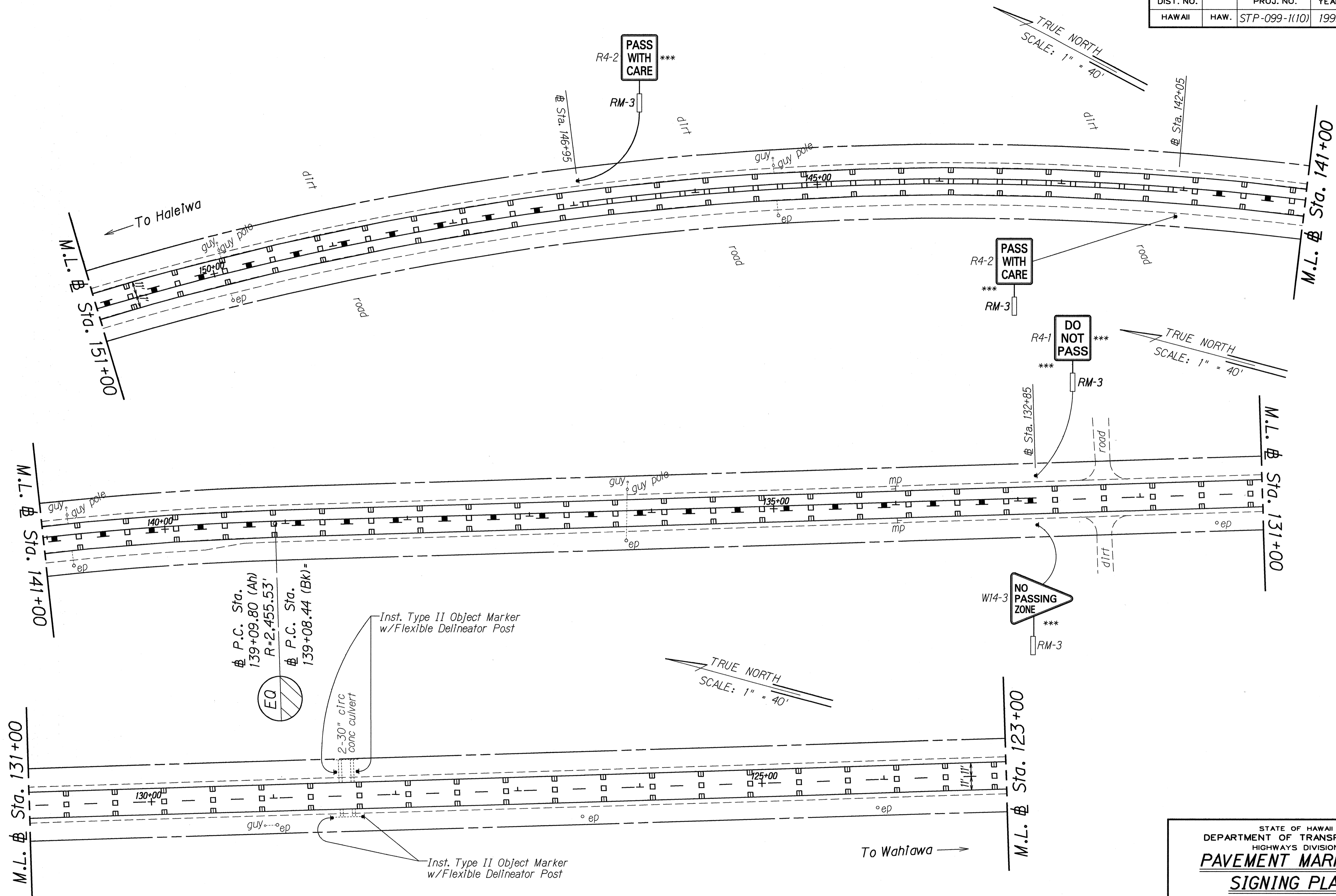
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Weed Junction to Paalaa Uka Pupukea Road
F.A.P. No. STP-099-1(10)
Scale: 1" = 40' Date: Mar., 1993

SHEET No. 79 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	24	26



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

KEY

- * Remove Existing Sign & Post
- ** Remove Existing Sign & Post and Install New Sign w/Post
- *** Install New Sign w/Post

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

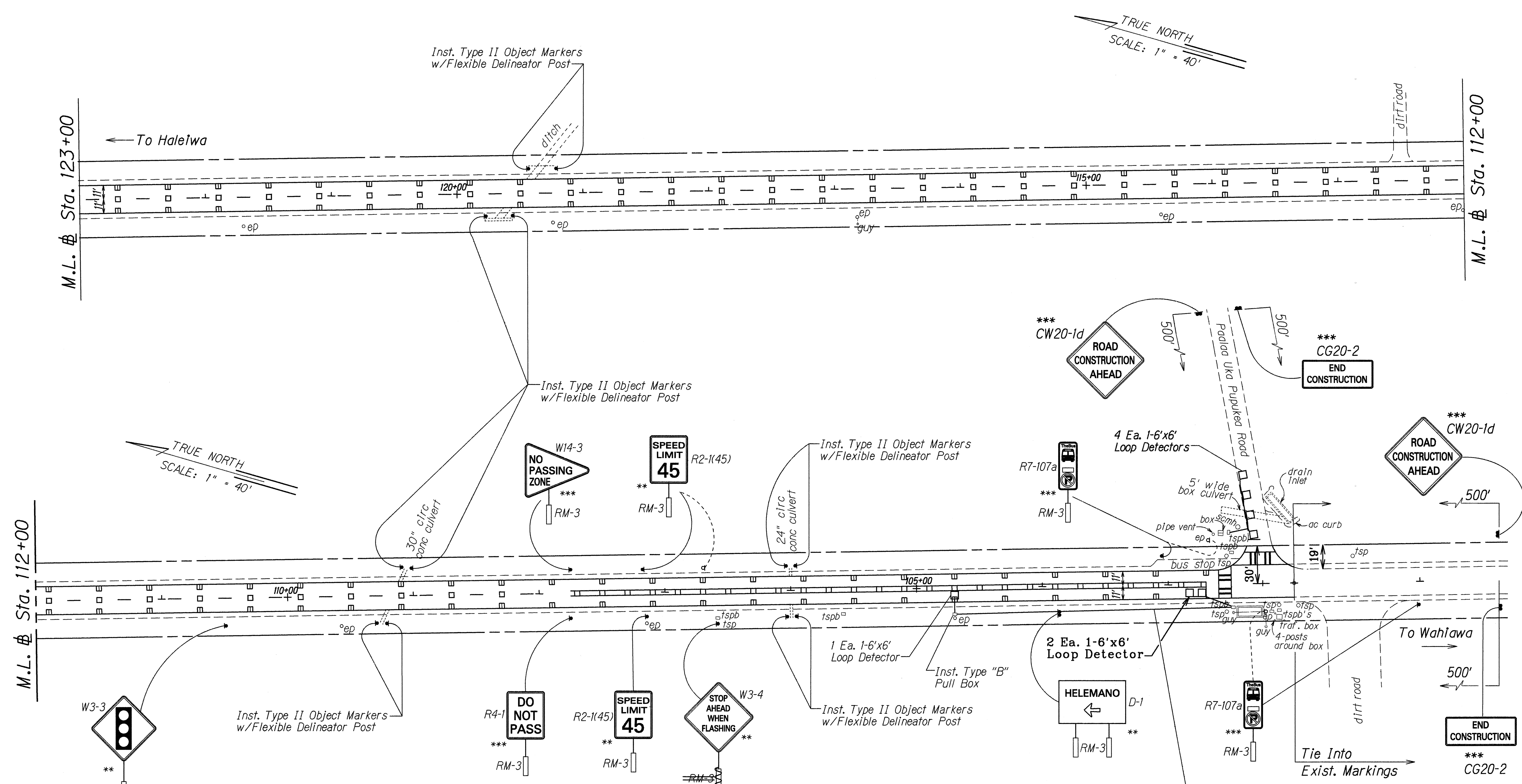
**PAVEMENT MARKING &
SIGNING PLANS**

KAMEHAMEHA HIGHWAY RESURFACING
Weed Junction to Paalaa Uka Pupukea Road
F.A.P. No. STP-099-1(10)

Scale: 1" = 40' Date: Mar., 1993

SHEET No. 110 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	25	26



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

KEY

- * Remove Existing Sign & Post
- ** Remove Existing Sign & Post and Install New Sign w/Post
- *** Install New Sign w/Post

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

CONDUIT	CABLE
2"	1-2C#14

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLANS

KAMEHAMEHA HIGHWAY RESURFACING
Weed Junction to Paalaa Uka Pupukea Road
F.A.P. No. STP-099-1(10)

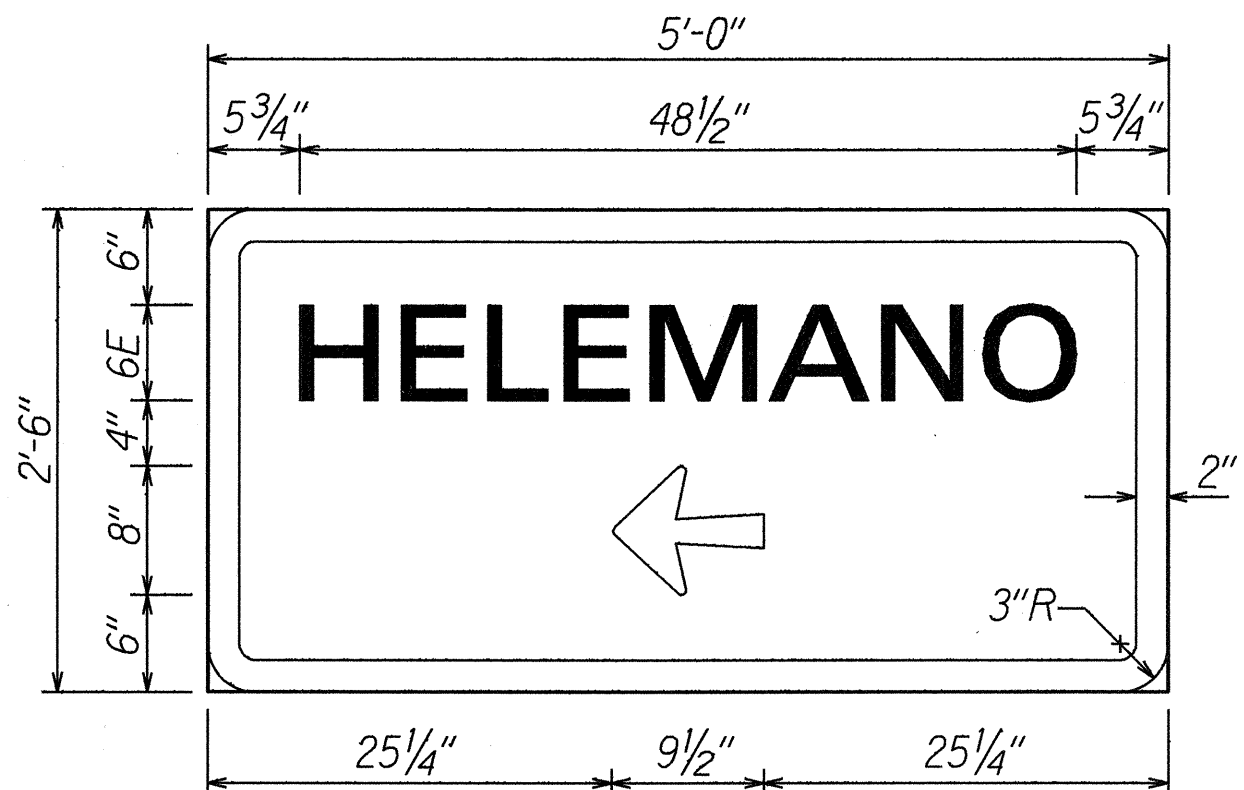
Scale: 1" = 40' Date: Mar., 1993

SHEET No. 25 OF 12 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-099-1(10)	1993	26	26

CONSTRUCTION SIGN SUMMARY				
SIGN NO.	LOCATION	MESSAGE	W/POSTS	W/O POST
CG20-2	Sta. 247+12 Rt.	END CONSTRUCTION	1	
CW20-1d	Sta. 247+12 Lt.	ROAD CONSTRUCTION AHEAD	1	
CG20-2	Paalaa Uka Pupukea Road Rt.	END CONSTRUCTION	1	
CW20-1d	Paalaa Uka Pupukea Road Lt.	ROAD CONSTRUCTION AHEAD	1	
CG20-2	Sta. 97+00 Lt.	END CONSTRUCTION	1	
CW20-1d	Sta. 97+00 Rt.	ROAD CONSTRUCTION AHEAD	1	
TOTAL			6	

DESTINATION SIGN SUMMARY						
SIGN NO.	LOCATION	MESSAGE	SIZE	OVERLAY AREA (SQ. FT.)	NEW PANEL AREA (SQ. FT.)	
					W/O POST	W/POSTS
D-1	Sta. 103+88 Lt.	HELEMANO ←	5'-0"X2'6"			12.50
TOTAL				0	0	12.50



D-1
Scale: 1"=1'-0"
Sta. 103+88 Lt.

MILEPOST MARKER SUMMARY		
LOCATION	MILE POST MARKER & SUPPLEMENTAL ROUTE NO. PLATE BI-DIRECTIONAL W/POST	QUANTITY
Sta. 199+95 Rt.	MILE 1	1
Sta. 151+00 Rt.	MILE 2	1
Sta. 226+45 Rt.	MILE 3	1
Sta. 154+20 Rt.	MILE 4	1
TOTAL		4

REFLECTOR MARKER SUMMARY						
TYPE	QUANTITY					
	W/O POST		W/FLEXIBLE POST (TYPE B)		W/STEEL POST	
	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE
RM-2				8		43
RM-3	44				31	

PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE C _____	1,250 EA.
TYPE D _____	790 EA.
TYPE H _____	100 EA.
TYPE J _____	2,000 EA.
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (YELLOW)	3,750 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW)	5,600 L.F.
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE)	49,730 L.F.
TAPE - TYPE III OR THERMOPLASTIC EXTRUSION	
12-INCH PAVEMENT STRIPE (WHITE)	22 L.F.
CROSSWALK MARKINGS	4 LANES

TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS	
		W/POST	W/O POST
R2-1(45)	SPEED LIMIT 45	13	
R4-1	DO NOT PASS	11	
R4-2	PASS WITH CARE	5	
R7-107a	TheBus	2	
R16-1	BUCKLE UP ITS THE LAW	2	
W3-3	"SIGNAL AHEAD" SYMBOL	1	
W3-4	STOP AHEAD WHEN FLASHING	1	
W14-3	NO PASSING ZONE	11	
TOTAL		46	

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

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TRAFFIC SUMMARIES
DESTINATION SIGN DETAIL
 KAMEHAMEHA HIGHWAY RESURFACING
 Weed Junction to Paalaa Uka Pupukea Road
 F.A.P. No. STP-099-1(10)
 Scale: As Shown Date: Mar., 1993
 SHEET No. 12 OF 12 SHEETS