

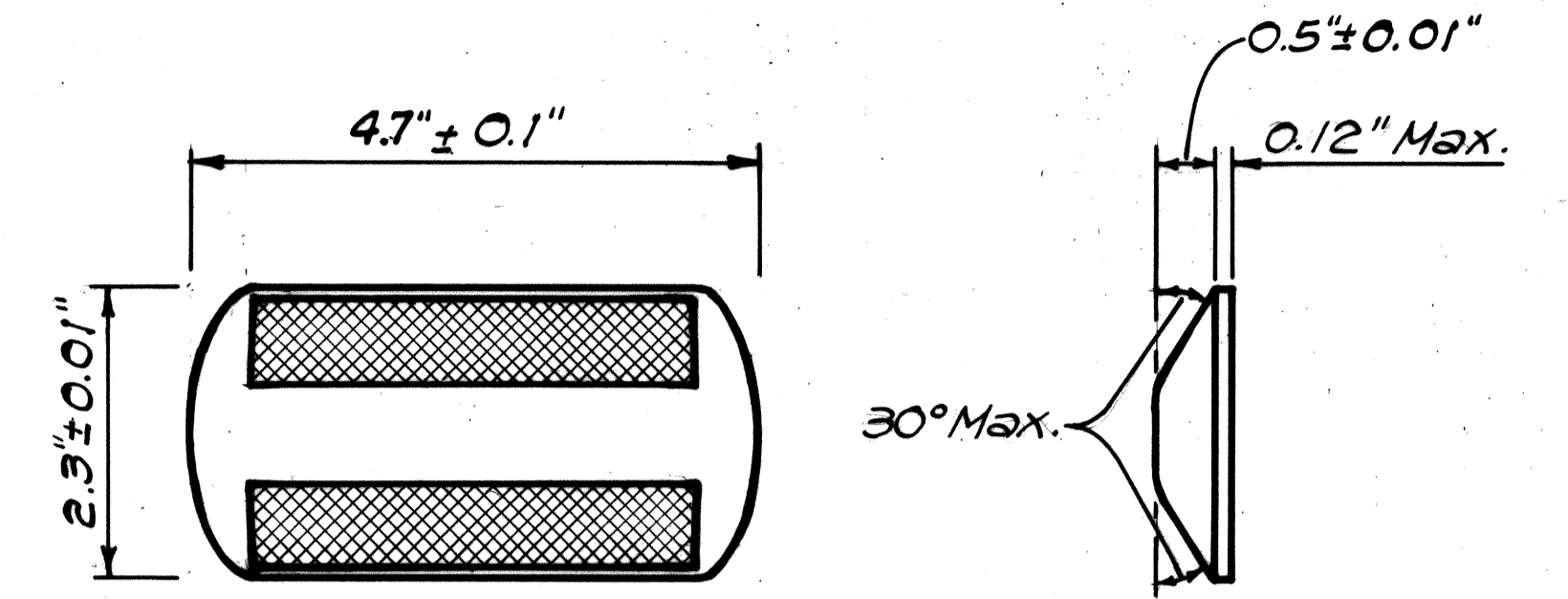
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-89M	1989	13	23

LEGEND

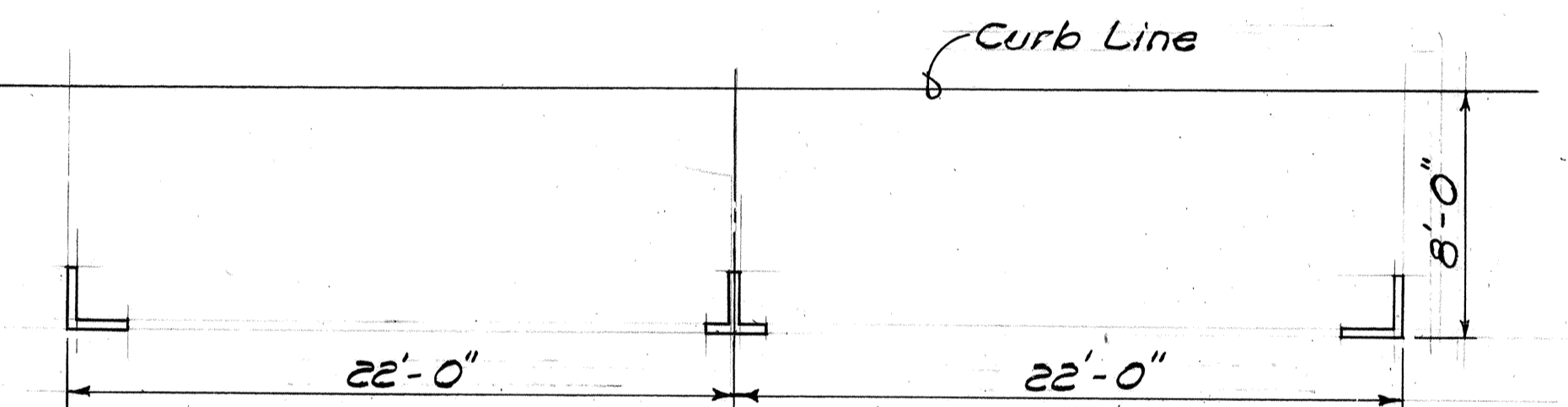
- 4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 40'-0" o.c.
- 4 each Type J Raised Pavement Markers
Type DL Raised Pavement Markers @ 40'-0" o.c.
- 8" White Stripe with Type CL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I)
- 4" Double Solid Yellow Stripes with Type DL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I)
- 4" Double Solid Yellow Stripes with Type HL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" or 8" Yellow Edge Stripe with Type HL Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" Double Solid White Stripes with Type CL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I)
- Lane Change Restriction Marking
4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 20'-0" o.c.
4" Solid White Stripe (Tape, Type I)
4" or 8" White Edge Stripe (Tape, Type II or Thermoplastic Extrusion) with Type CL Raised Pav't Markers @ 40'-0" o.c.
4" White Guide Lines (Thermoplastic Extrusion)
- 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 pavement. (Thermoplastic Extrusion)
- Pavement Arrow (Tape, Type I)
- STOP Pavement Word (Tape, Type I)
- 12" White Stop Line (Thermoplastic Extrusion)
- 4 each Type J Raised Pavement Markers
Type DL Raised Pavement Markers @ 40'-0" o.c.
Type HL Raised Pavement Markers (Reflective Surface facing no-passing direction)
4" Single Solid Yellow Strip (Tape, Type I)
- Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. w/Type CL Markers @ 40'-0" o.c. (Thermoplastic Extrusion)
- Existing Loop Detectors
- Reflector Marker with Steel Post
- Yellow Reflective Sheeting Band on White Flexible Delineator Post. (See Note No. 11.)

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. Details of Type C, Type D and Type H Markers on Standard Plan Nos. TE-30, TE-31 and TE-32 shall be deleted and replaced with details of Type CL, Type DL and Type HL Markers as shown on this sheet. All references to Type C, Type D and Type H Markers in the plans shall mean Type CL, Type DL and Type HL Markers.
5. Final locations of all signs shall be approved by the Engineer prior to any installation work.
6. 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.
7. Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
8. All pavement striping shall be as noted on the Legend or plans.
9. 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.
10. Reflector markers located behind guardrails shall be installed with steel posts. At all other locations, reflector markers with flexible delineator posts shall be installed. Exact location to be determined by the Engineer.
11. The Yellow Reflective Sheeting Band shall be 12 inches in width and wrapped around a white flexible delineator post and shall conform to Section 712.20 (C)(4) Type B Sheet Reflecting Material of the Standard Specification for Road and Bridge Construction.
 - a. The post shall be at least 4" in diameter or designed so the top 14" must be relatively flat to be capable of having 36 square inches of reflective surface facing in one direction.
 - b. The post shall be of such length to provide a height of 48" above the pavement surfaces unless otherwise specified.

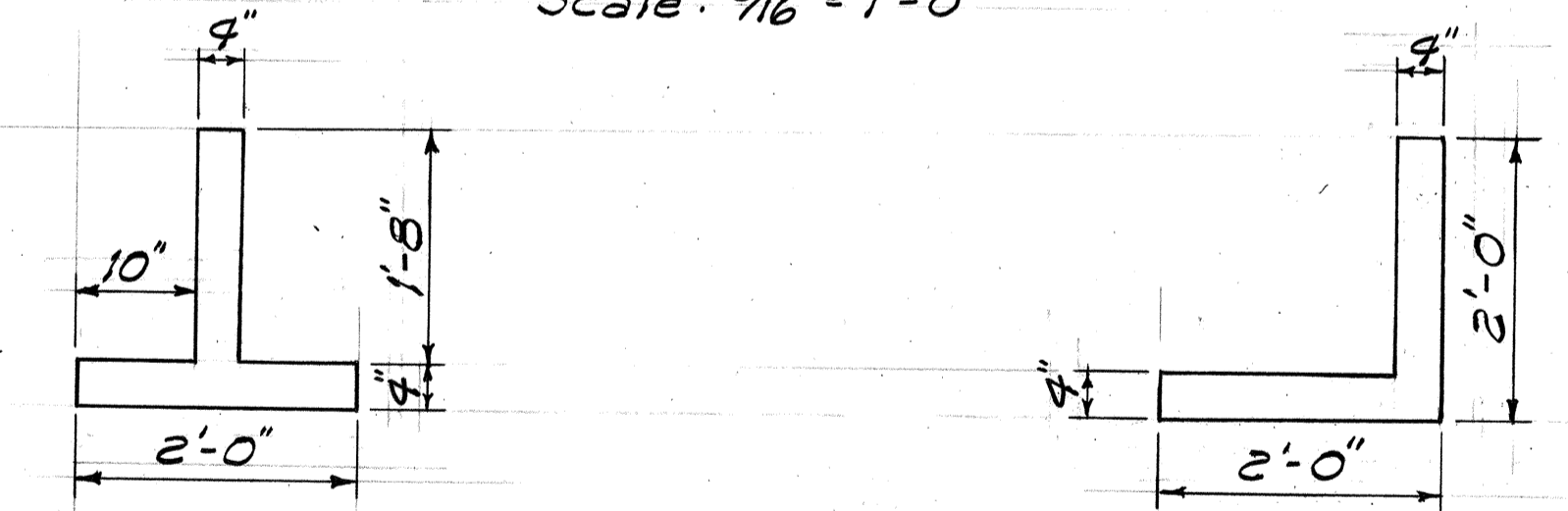


TYPE CL
Red-Clear Reflective Marker
or
TYPE DL
Two-Way Yellow Reflective Marker
or
TYPE HL
One-Way Yellow Reflective Marker
Not to Scale



PARKING STALL LIMITS

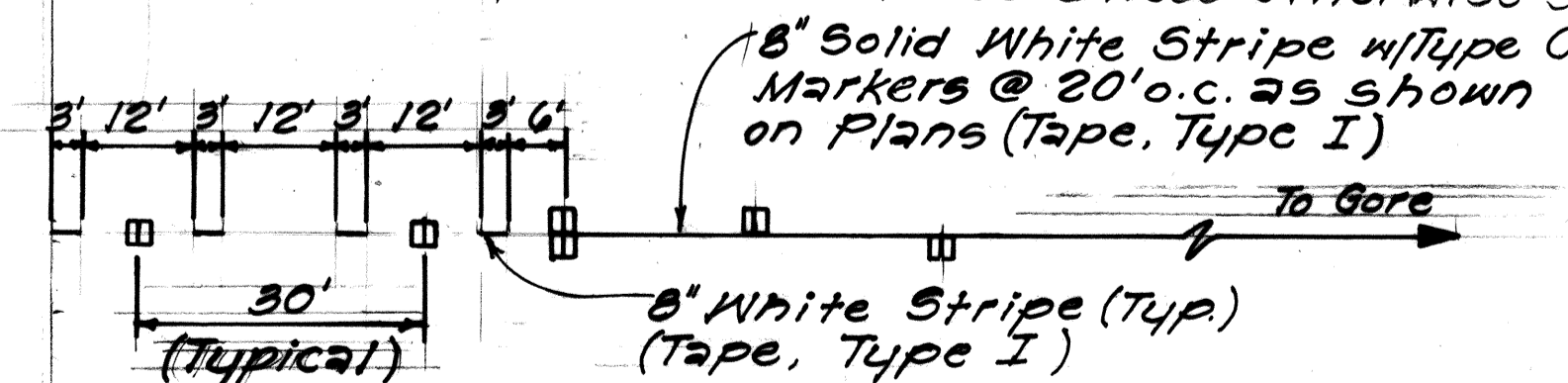
Scale: 3/16" = 1'-0"



PARKING STALL DETAIL

Scale: 3/4" = 1'-0"

TYPICAL PARKING STALL MARKINGS



DROP LANE MARKING
Not to Scale

DATE	REVISION
8/22/89	Revised 4" or 8" White Edge Stripe by Adding Type CL Raised Pav't Markers.

12. Existing loop detectors locations shown on the plans are approximate only. The Contractor shall verify their actual locations and shall be liable for any damages incurred to the existing loop detectors as a result of his cold planing operations. The damaged loop detectors shall be replaced by the Contractor, in accordance with the Standards and Specifications at his expense.
13. Existing curbs shall be painted red on the top and travelway side of the curbs. See plans for location.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PAVEMENT MARKING
LEGEND, DETAILS & NOTES**

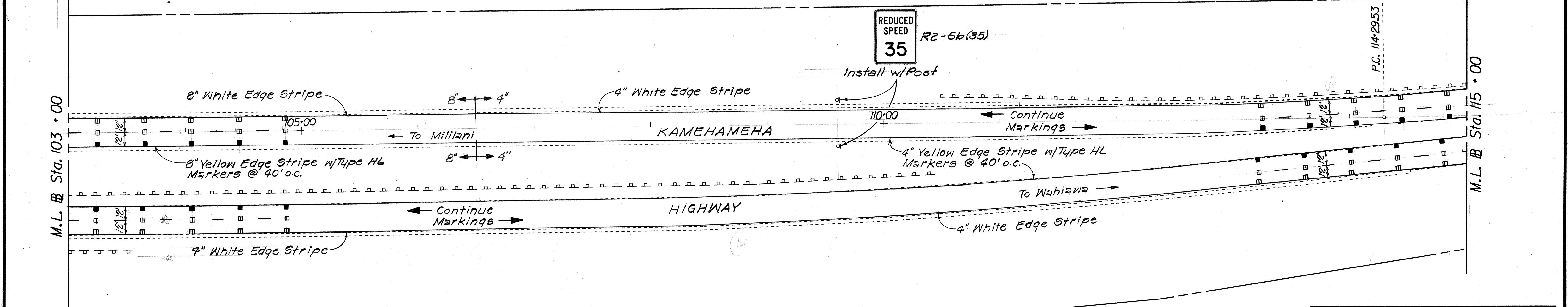
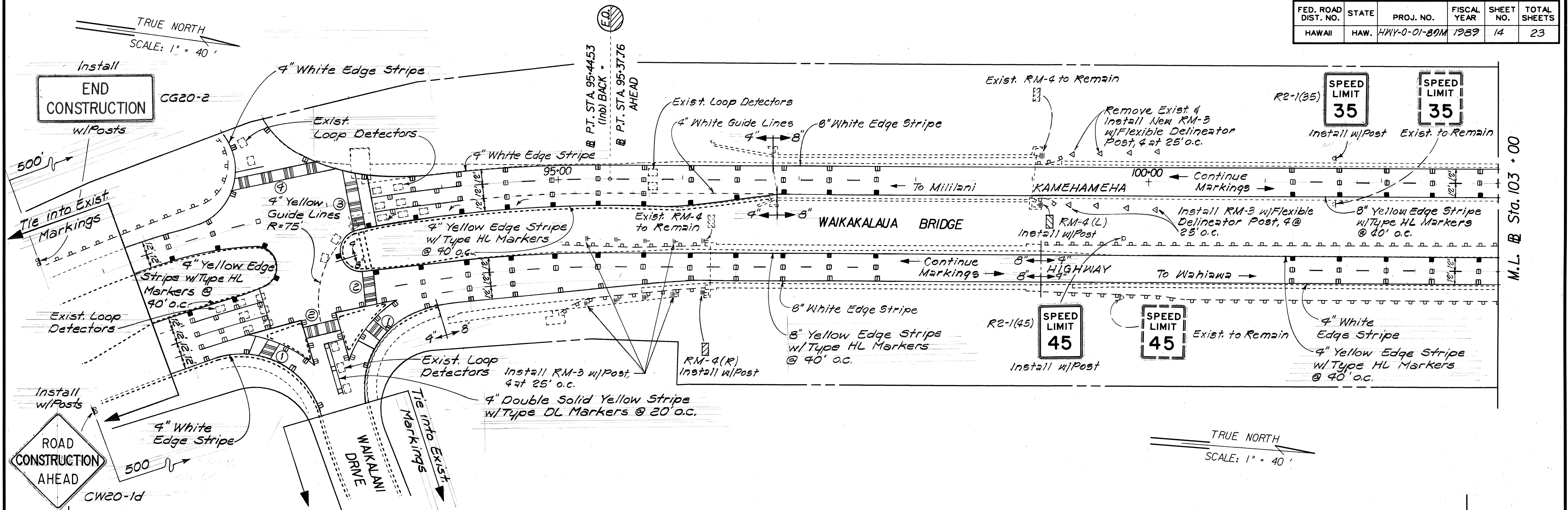
KAMEHAMEHA HIGHWAY RESURFACING
Waikalani Drive to Karsten Thor Bridge
PROJECT No. HWY-0-01-89M

Scale: As Shown Date: Jan., 1989

SHEET NO. 11 OF 11 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-80M	1989	14	23



DATE	
REVISION	
DATE	
REVISION	

8/22/89	Added Type CL Pav't. Markers to 4" & 8" White Edge Stripes.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

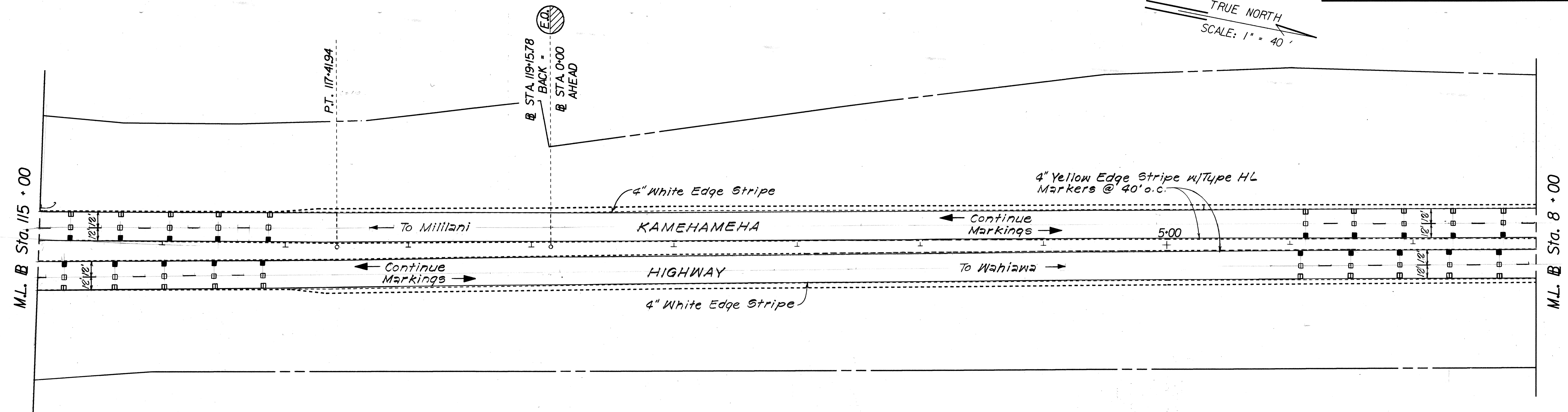
SIGNING & PAVEMENT MARKING PLAN

KAMEHAMEHA HIGHWAY RESURFACING
Waikalani Drive to Karsten Thot Bridge
PROJECT NO. HWY-0-01-89M

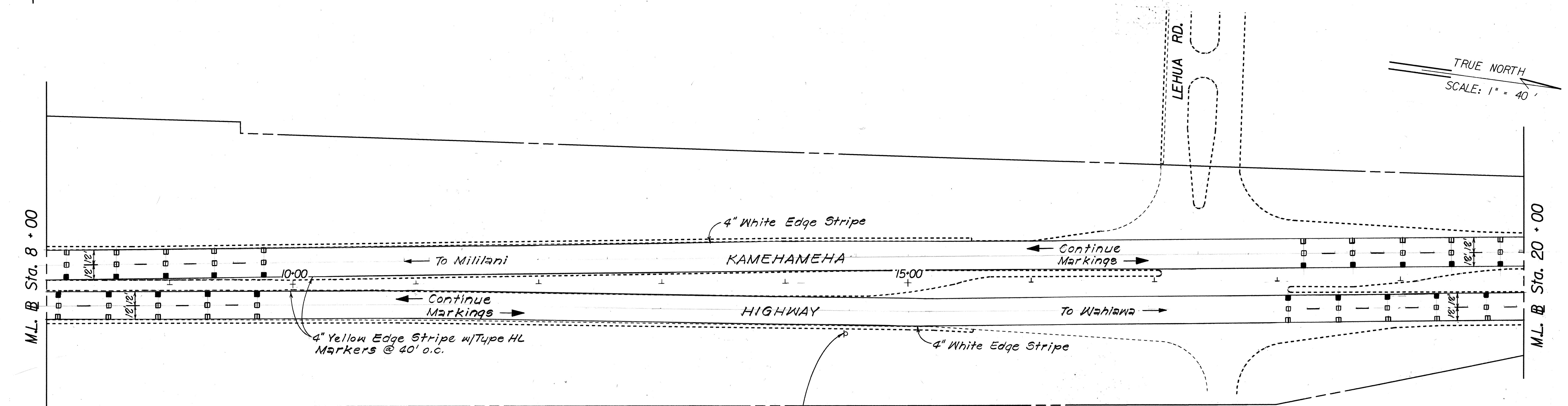
Scale: 1" = 40' Date: Oct., 1988
SHEET No. 14 OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-89M	1989	15	23

TRUE NORTH
SCALE: 1" = 40'



TRUE NORTH
SCALE: 1" = 40'



DATE	REVISION
8/22/89	Added Type CL Pav't Markers to 4" White Edge Stripe.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKING PLAN

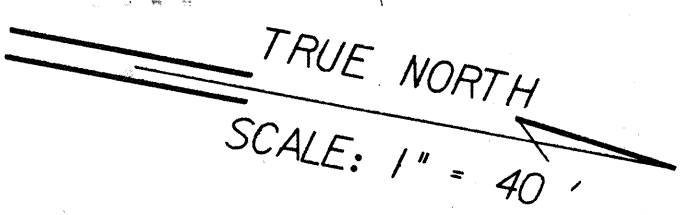
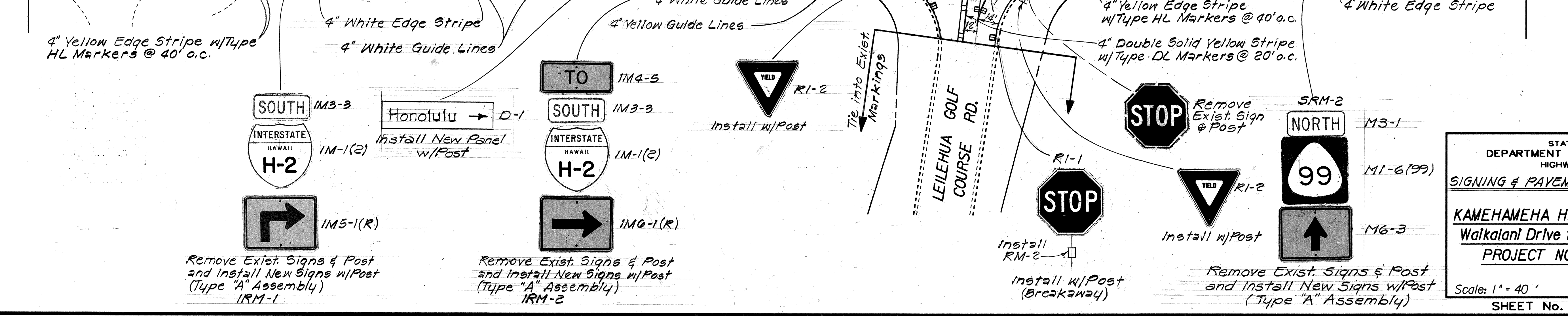
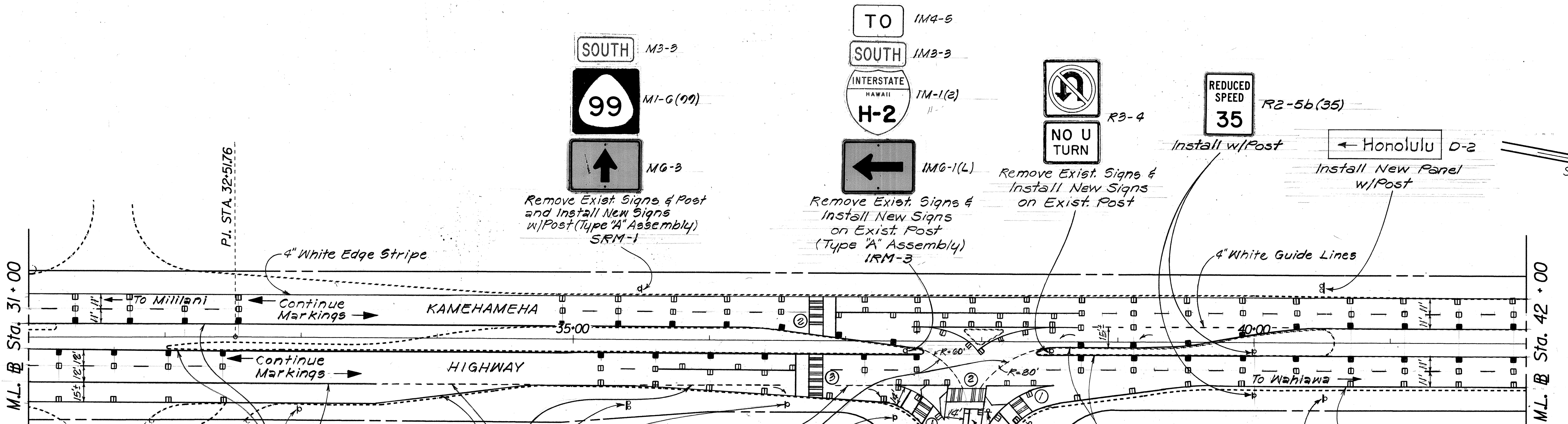
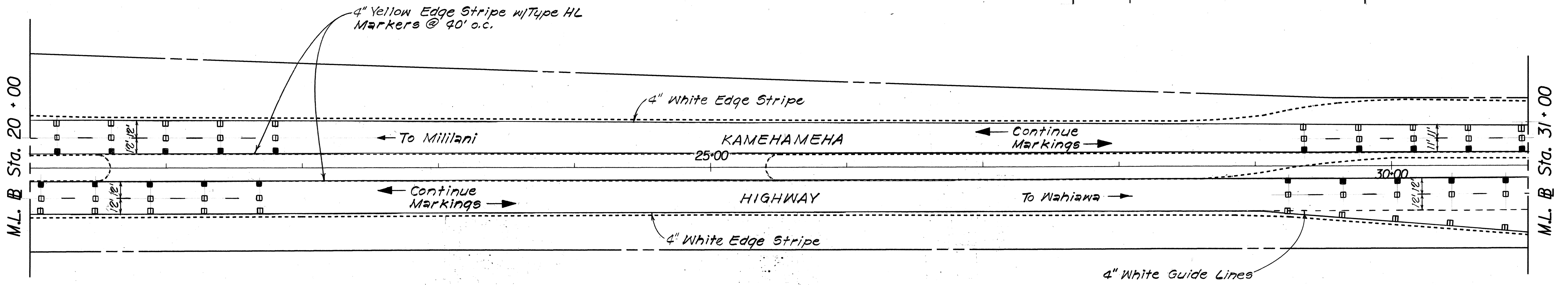
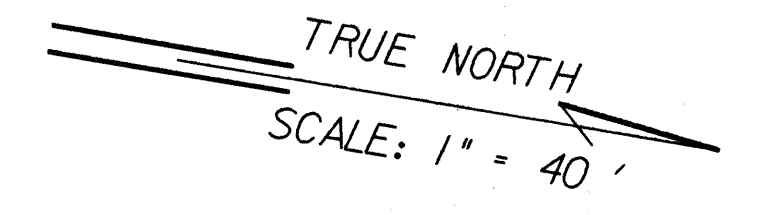
KAMEHAMEHA HIGHWAY RESURFACING
Walkalani Drive to Karsten Thor Bridge
PROJECT NO. HWY-0-01-89M

Scale: 1" = 40' Date: Oct., 1988
SHEET No. 73 OF 11 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

DATE	REVISION
8/22/89	Added Type CL Pav't Markers to 4" White Edge Stripes.
10/6/89	Revised Pav't Markings & Signing at Kam. Hwy./Leilehua Golf Course Rd. Intersection.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-89M	1989	16	23



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

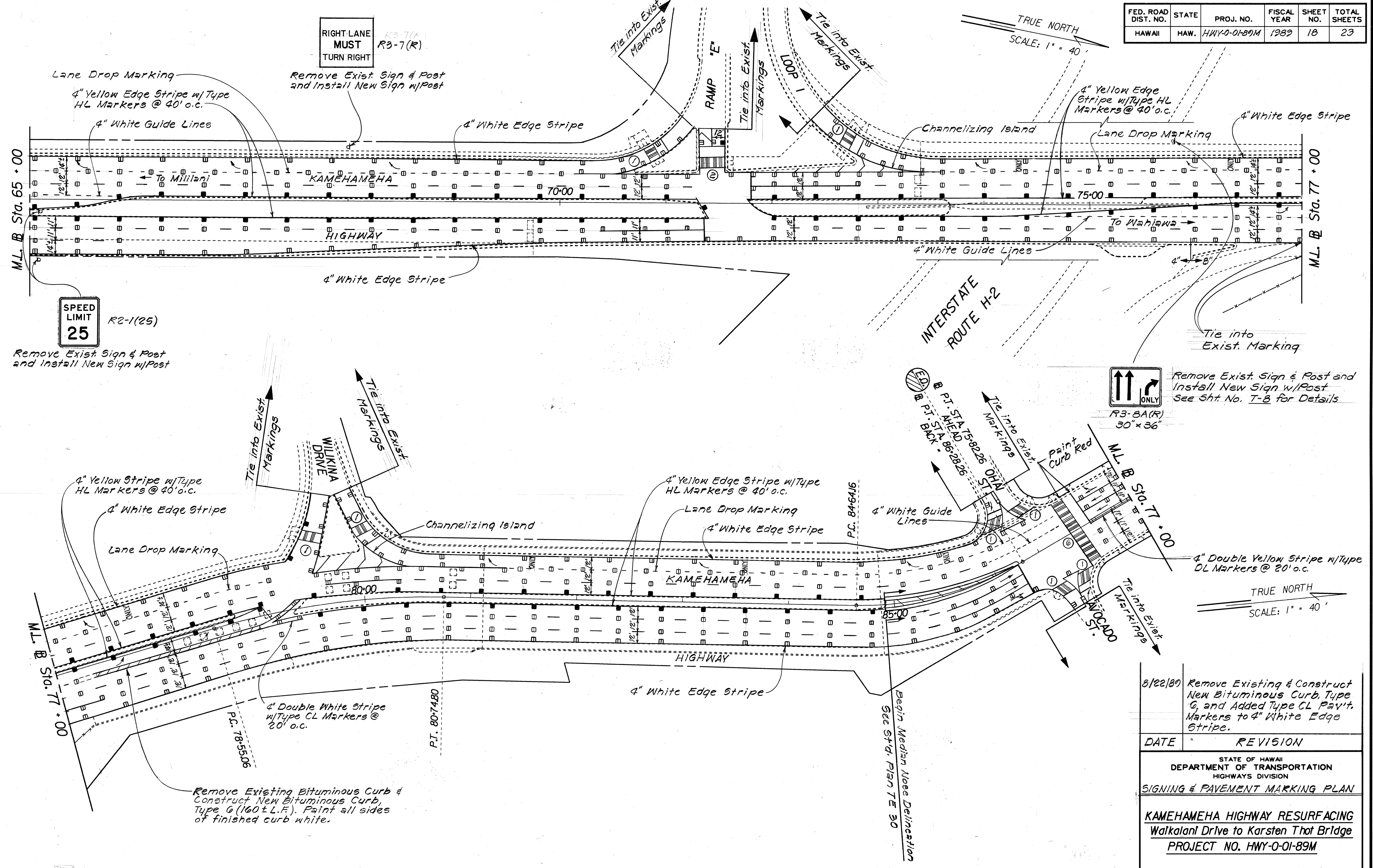
SIGNING & PAVEMENT MARKING PLAN

KAMEHAMEHA HIGHWAY RESURFACING
Walkalani Drive to Karsten Thot Bridge
PROJECT NO. HWY-0-01-89M

Scale: 1" = 40' Date: Oct., 1988
SHEET No. 79 OF 11 SHEETS

DATE	
DESIGNED BY	
TRACED BY	
NOTED BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-89M	1989	18	23



SPEED LIMIT
25

R3-8A(R)
30" x 36"

DATE	REVISION
8/22/80	Remove Existing & Construct New Bituminous Curb, Type G, and Added Type CL Pav't. Markers to 4" White Edge Stripe.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN

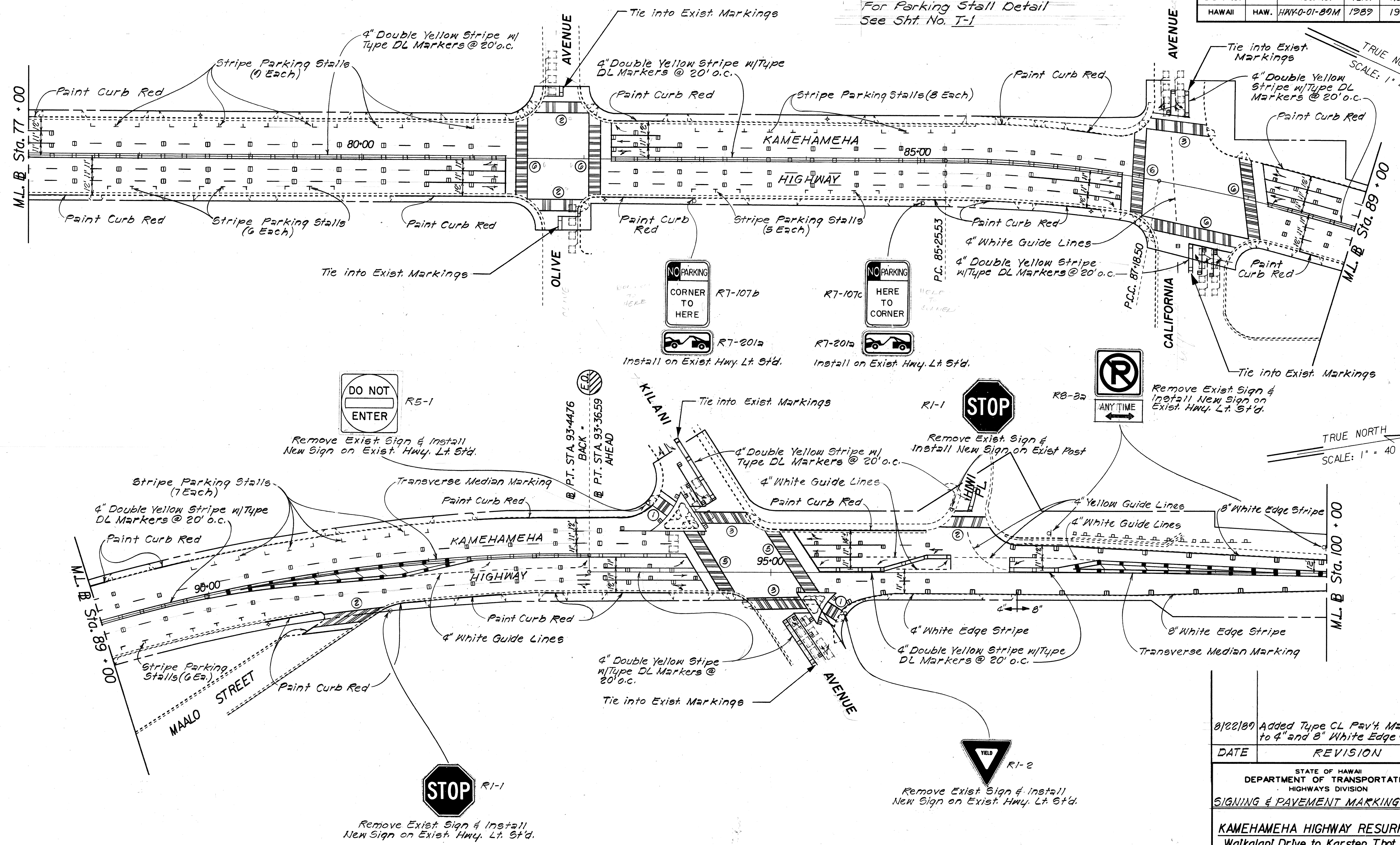
KAMEHAMEHA HIGHWAY RESURFACING
Walkalani Drive to Karsten Thot Bridge
PROJECT NO. HWY-0-01-89M

Scale: 1" = 40' Date: Oct., 1988
SHEET No. 76 OF 11 SHEETS

ORIGINAL PLAN
SERIES PLOTTED BY
DRAWN BY
TRACED BY
NOTE BOOK
QUANTITIES BY
CHECKED BY

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-89M	1989	19	23

NOTE:
For Parking Stall Detail
See Sht. No. T-1



TRUE NORTH
SCALE: 1" = 40'

TRUE NORTH
SCALE: 1" = 40'

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

DATE	REVISION
8/22/89	Added Type CL Pav't Markers to 4" and 8" White Edge Stripes.

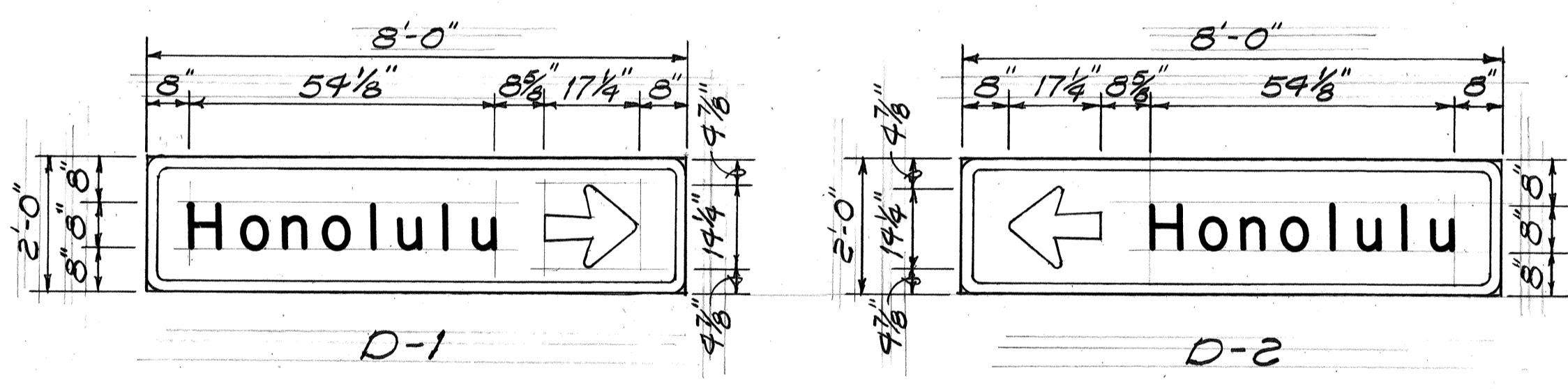
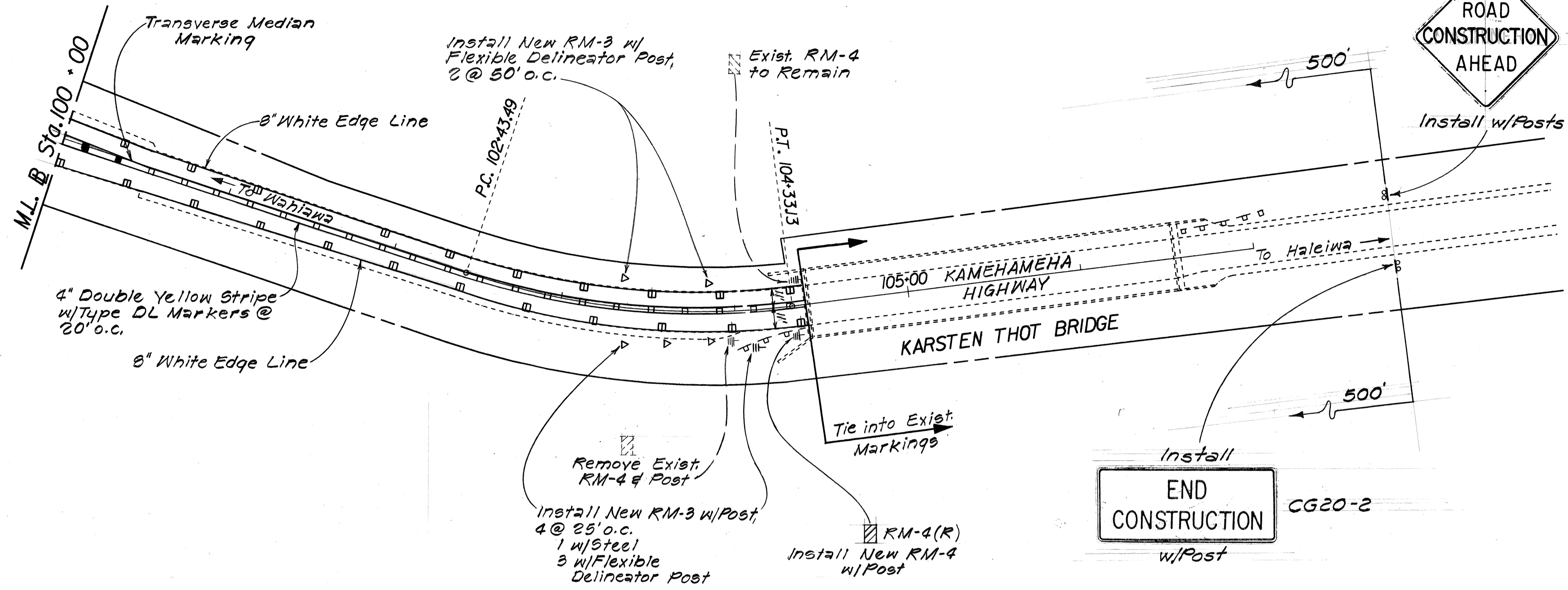
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN

KAMEHAMEHA HIGHWAY RESURFACING
Walkalani Drive to Karsten Thot Bridge
PROJECT NO. HWY-0-01-89M

Scale: 1" = 40' Date: Oct., 1988
SHEET No. 77 OF 11 SHEETS

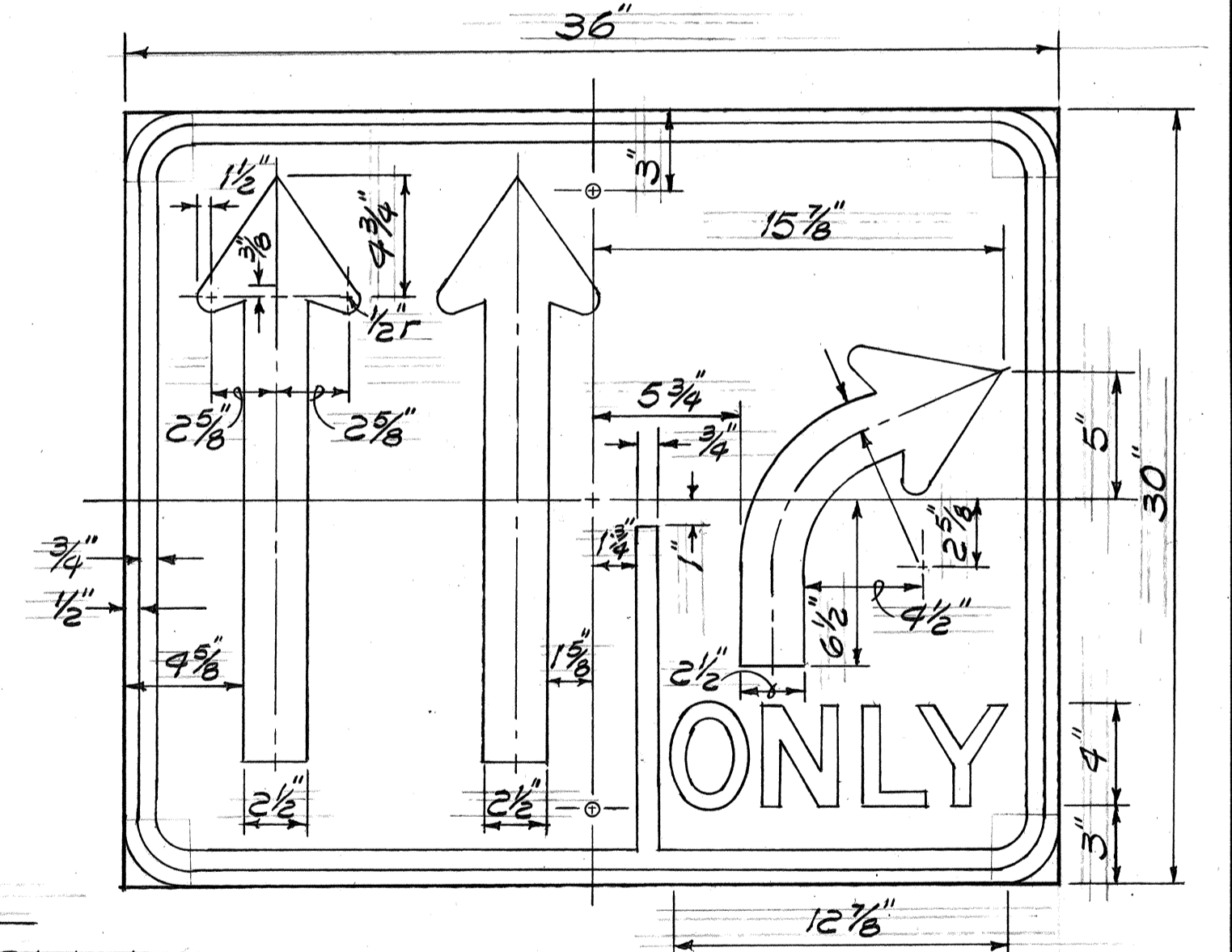
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-89M	1989	20	23

TRUE NORTH
SCALE: 1" = 40'



SIGN DETAILS
Not to Scale

NOTE:
Use 4.00 lbs./ft. Flanged Channel,
2-Post Installation or 2 1/2" Square
Tube, 2-Post Installation.



COLORS
LEGEND - BLACK
(NON-REFL.)
BACKGROUND - WHITE
(REFL.)

R3-8A(R)
30" x 36"
SIGN DETAIL
Not to Scale

8/22/89	Added Type CL Pav't Markers to 8" White Edge Stripe.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN

KAMEHAMEHA HIGHWAY RESURFACING
Walkalani Drive to Karsten Thot Bridge
PROJECT NO. HWY-0-01-89M

Scale: 1" = 40' Date: Oct., 1988
SHEET No. 78 OF 11 SHEETS

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

107488

ROUTE MARKER SUMMARY

SIGN ASSEMBLY NO.	LOCATION	SIGN NO. AND MESSAGE		TYPE A ASSEMBLY	
				W/O POST	W/O POST
IRM-1	STA. 33+00 RT.	1M-1(2) 1M3-3 1M5-1(R)	H-2 SOUTH →	1	
IRM-2	STA. 36+55 RT.	1M-1(2) 1M4-5 1M3-3 1M6-1(R)	H-2 TO SOUTH →	1	
IRM-3	STA. 37+45 RT.	1M-1(2) 1M4-5 1M3-3 1M6-1(L)	H-2 TO SOUTH ←		1
SRM-1	STA. 35+50 LT.	M1-6(99) M3-3 M6-3	99 SOUTH ↑	1	
SRM-2	STA. 40+50 RT.	M1-6(99) M3-1 M6-3	99 NORTH ↑	1	
			TOTAL	4	1

REFLECTOR MARKER SUMMARY

TYPE	QUANTITY		
	W/O POST	W/FLEXIBLE POST (TYPE B)	W/STEEL POST
RM-3		13 EACH	9 EACH
RM-4			3 EACH
TOTAL		13 EACH	12 EACH

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-89M	1989	22	23

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

KAMEHAMEHA HIGHWAY RESURFACING
Waikalani Drive to Karsten Hot Bridge
PROJECT NO. HWY-0-01-89M
Date: Jan., 1989

