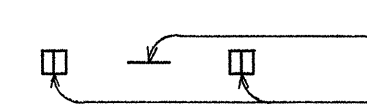
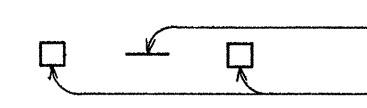
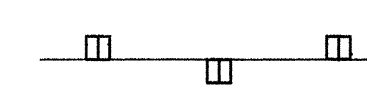
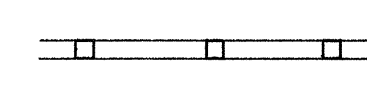



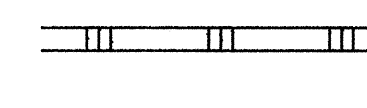

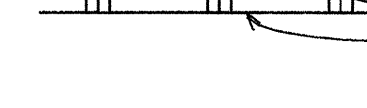




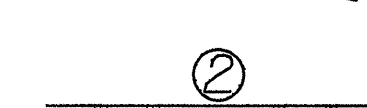
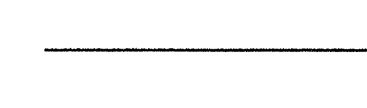




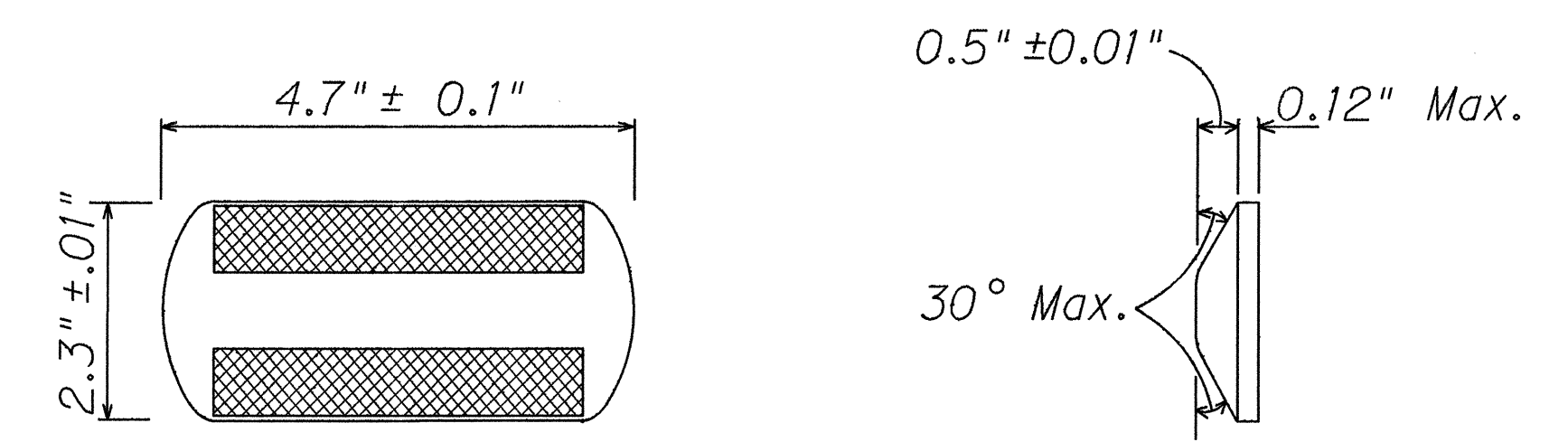
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	310A-01-91M	1991	8	14

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 or Thermoplastic Extrusion)
-  4" Double Solid Yellow with Type DL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion)
-  4" Double Solid Yellow Stripes with Type HL Raised Pavement Markers @ 20'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  4" 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 or Thermoplastic Extrusion)
-  Lane Change Restriction Marking
4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 20'-0" o.c.
4" White Stripe (Tape, Type I or Thermoplastic Extrusion)
-  4" or 8" White Edge Stripe with Type CL Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
-  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 payment. (Thermoplastic Extrusion)
-  Pavement Arrow (Tape, Type I or Thermoplastic Extrusion)
-  Pavement Word (Tape, Type I or 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 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 CL Markers @ 40'-0" o.c. (Tape, Type I 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. 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. Removal and disposal of existing reflector markers will not be paid for separately but shall be considered incidental to the various reflector marker items.



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

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

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

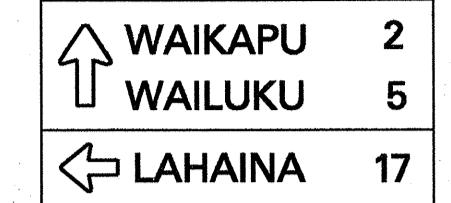
**PAVEMENT MARKING
 LEGEND, DETAILS & NOTES**

North Kihei Road Resurfacing
 Honoapiʻilani Hwy to MECO Power Plant
 Project No. 310A-01-91M

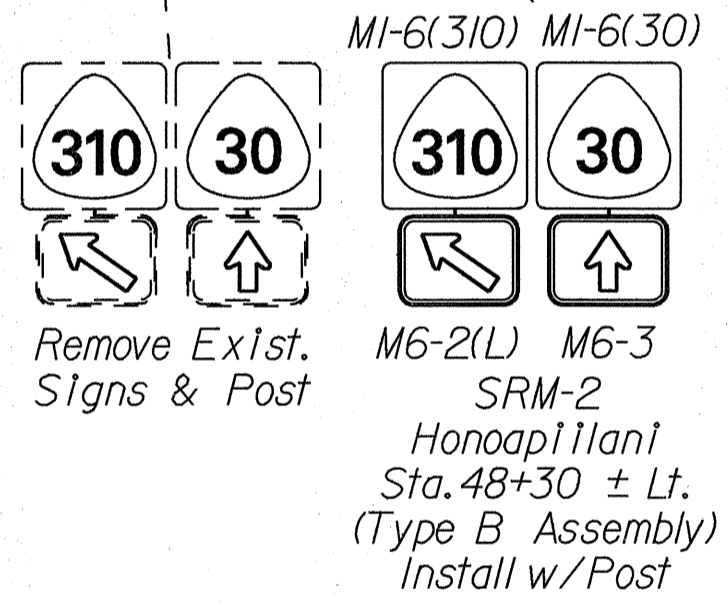
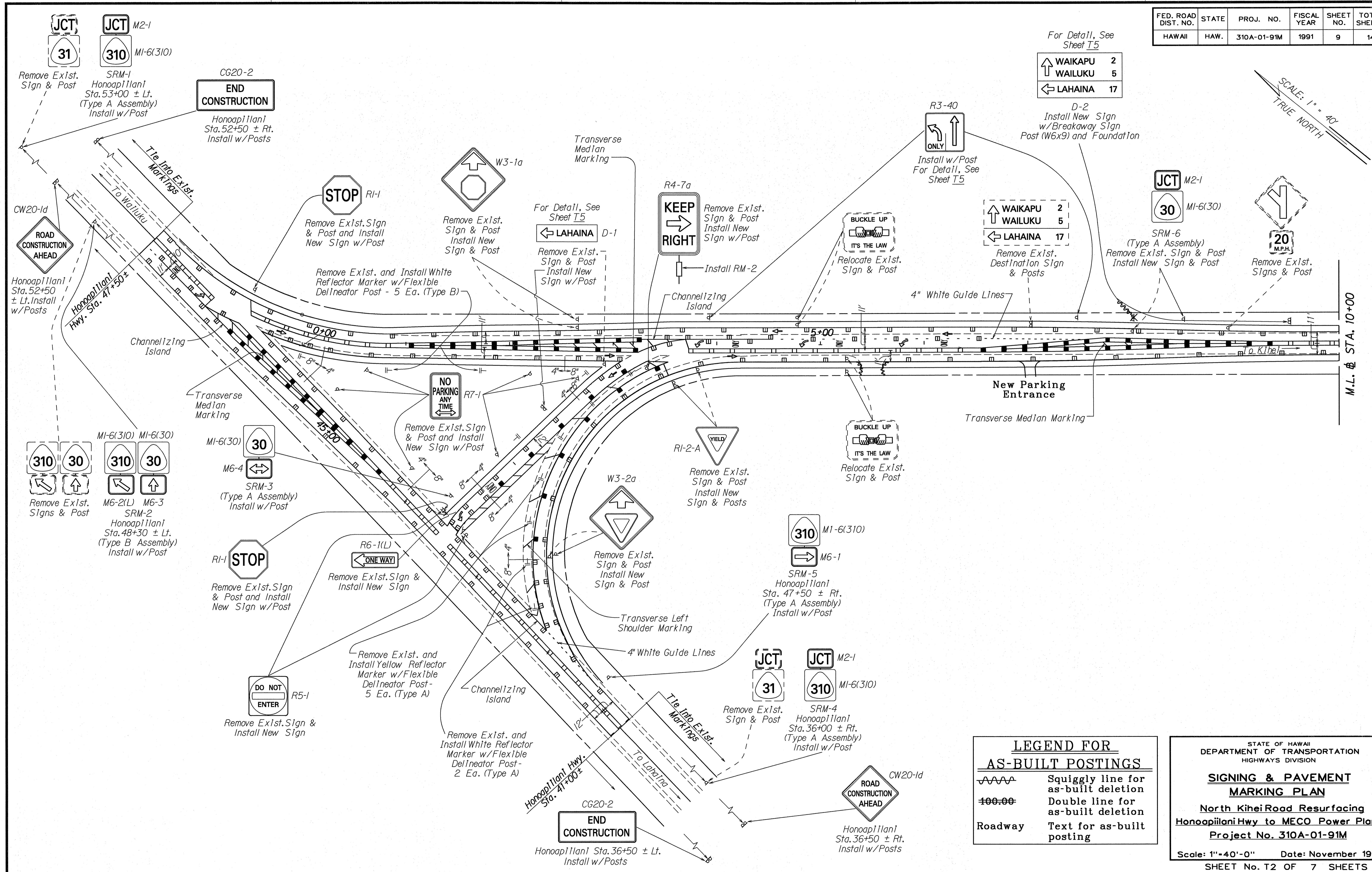
Scale: As Shown Date: November 1990
 SHEET No. 11 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	310A-01-91M	1991	9	14

For Detail, See Sheet T5



SCALE: 1" = 40'
TRUE NORTH



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

SIGNING & PAVEMENT MARKING PLAN

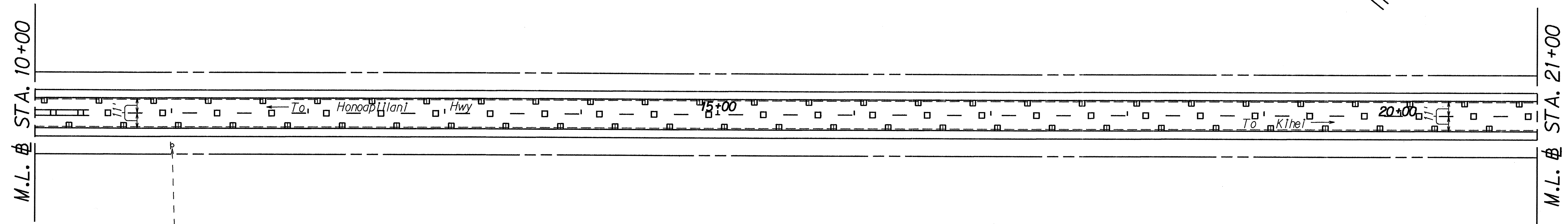
North Kihei Road Resurfacing
Honoapiilani Hwy to MECO Power Plant
Project No. 310A-01-91M

Scale: 1"=40'-0" Date: November 1990
SHEET No. T2 OF 7 SHEETS

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

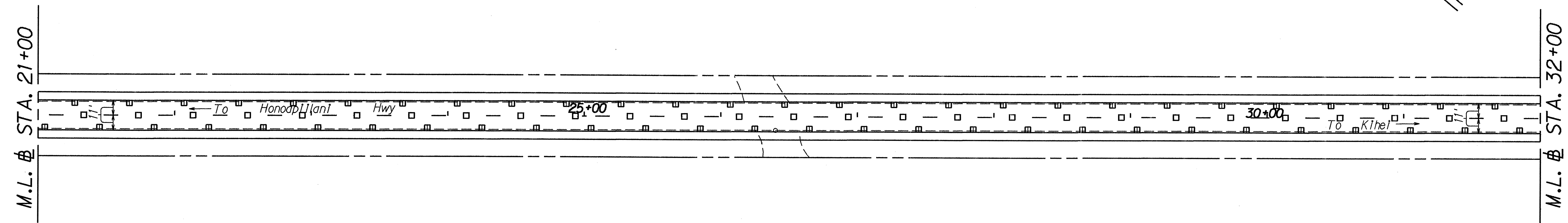
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	310A-01-91M	1991	10	14

SCALE: 1" = 40'
TRUE NORTH



DRY AREA
○
PREVENT FIRES
Ex1st. Sign to Remain

SCALE: 1" = 40'
TRUE NORTH



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

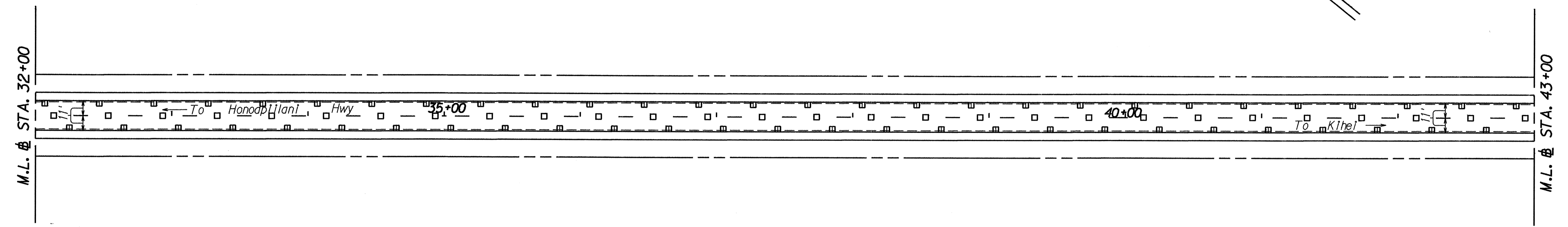
**SIGNING & PAVEMENT
MARKING PLAN**

North Kihei Road Resurfacing
Honopiilani Hwy to MECO Power Plant
Project No. 310A-01-91M

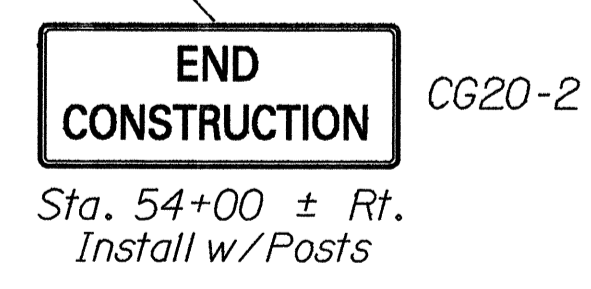
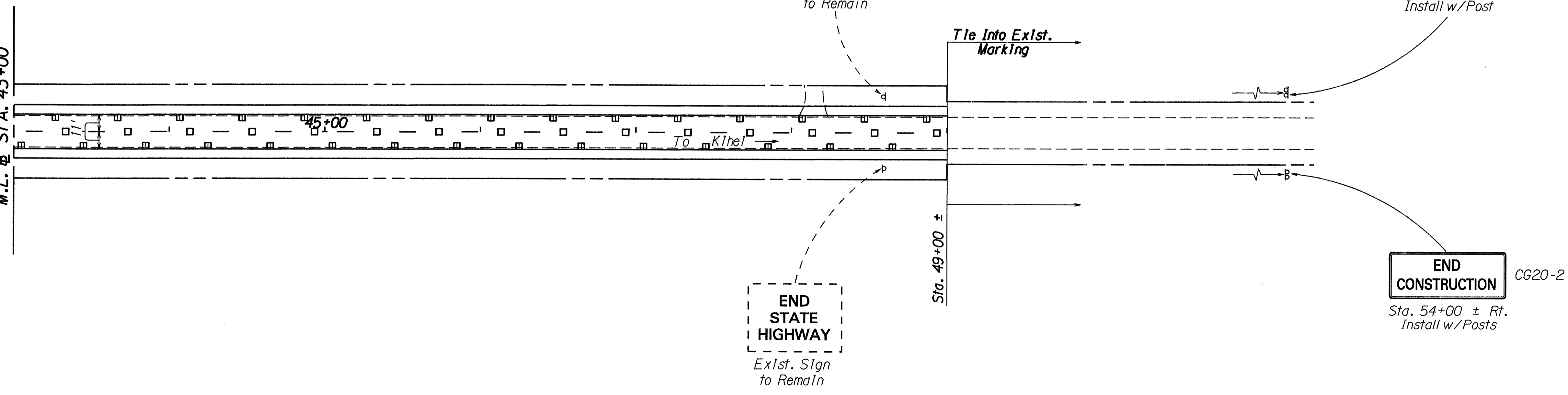
Scale: 1"=40'-0" Date: November 1990
SHEET No. T3 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	310A-01-91M	1991	11	14

SCALE: 1" = 40'
TRUE NORTH



M.L. # STA. 43+00



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

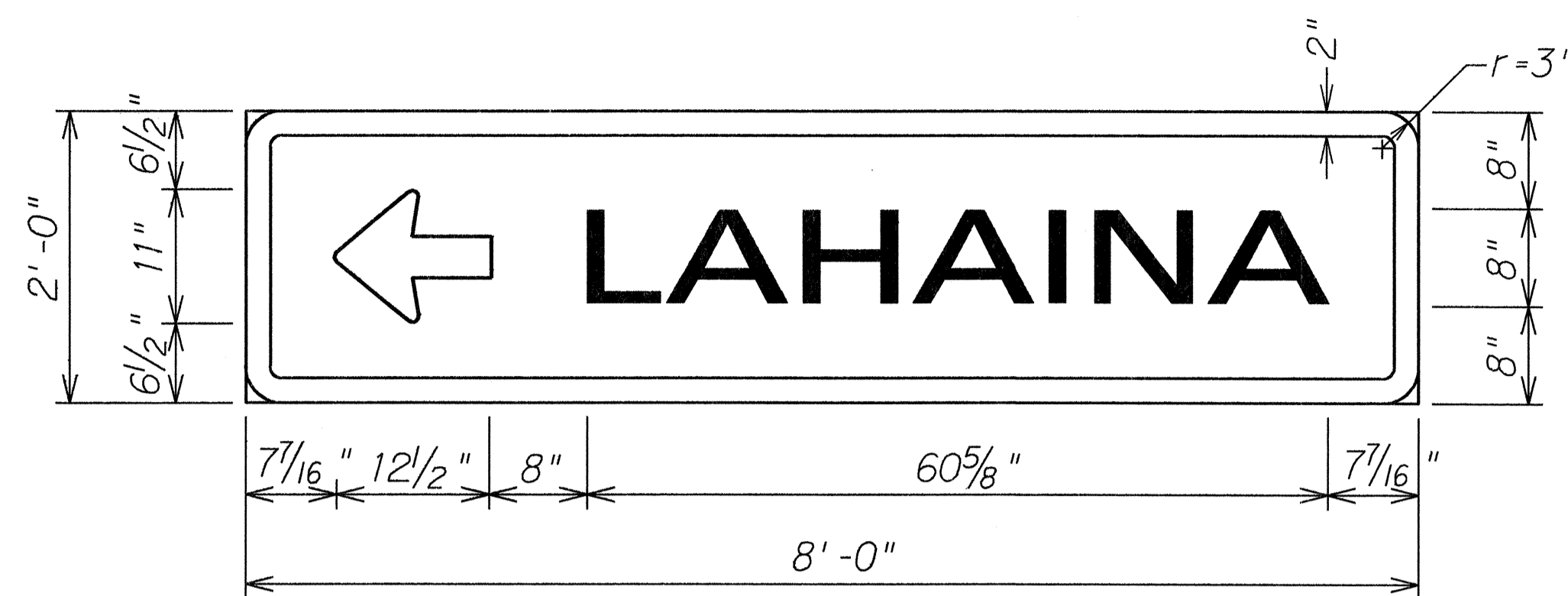
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SIGNING & PAVEMENT
MARKING PLAN**

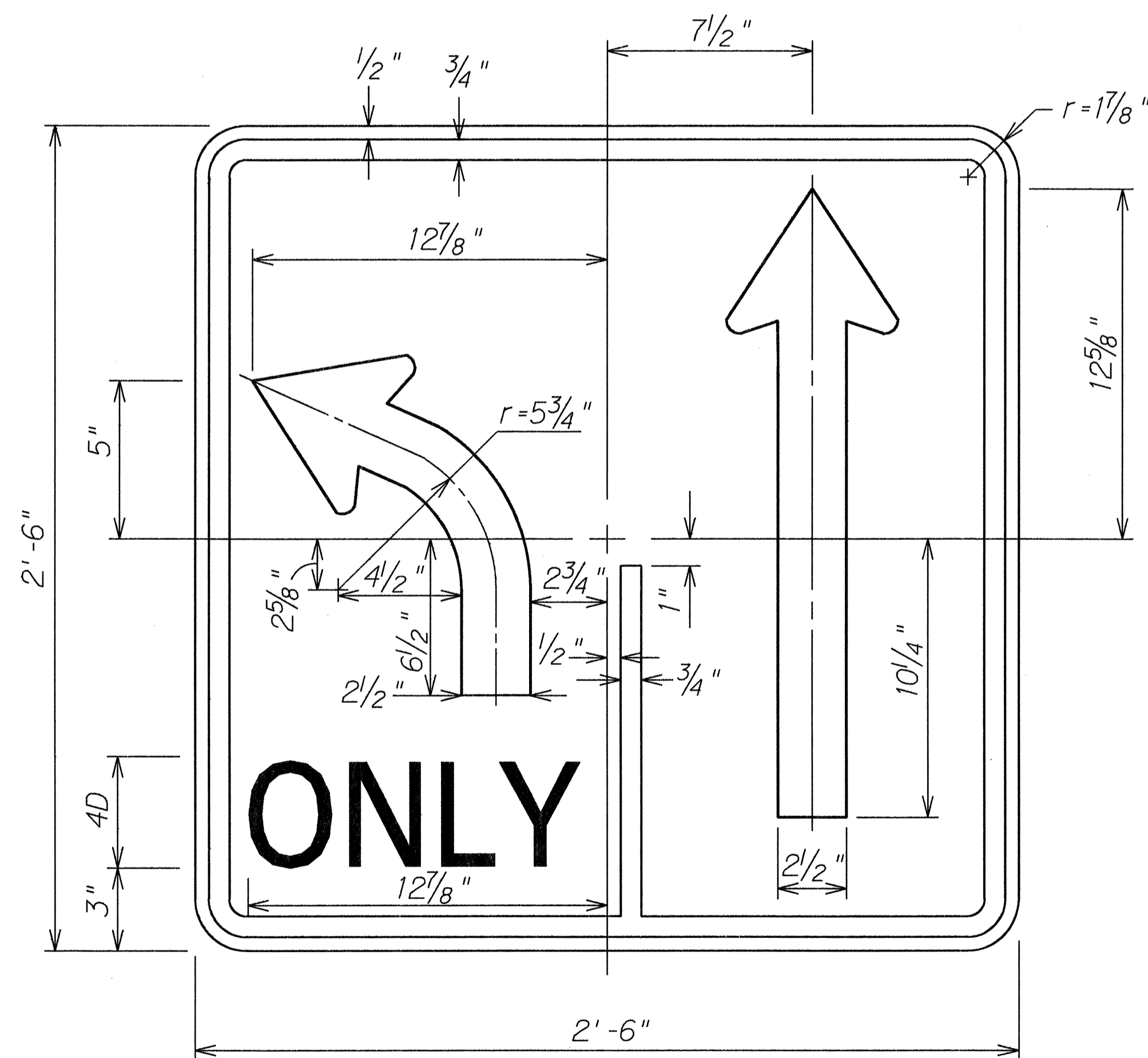
North Kihei Road Resurfacing
Honopiilani Hwy to MECO Power Plant
Project No. 310A-01-91M

Scale: 1"=40'-0" Date: November 1990
SHEET No. T4 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	310A-01-91M	1991	12	14



D-1
Scale: 1" = 1'-0"

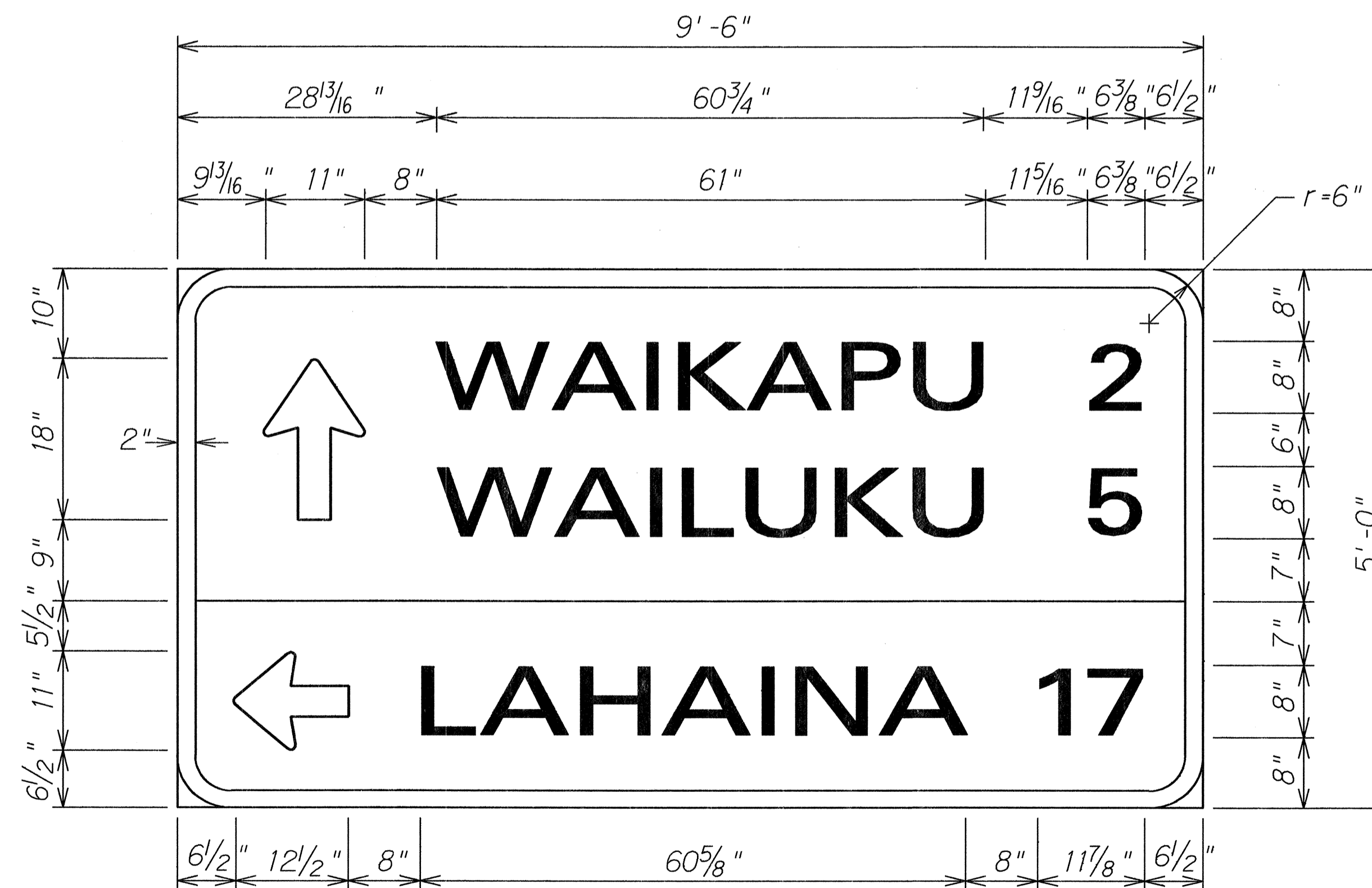


R3-40
Scale: 3" = 1'-0"

NOTE:
1. Sign R3-40 is a variation of sign R3-8. Plate and arrow details shall conform to sign R3-8.

GENERAL NOTES

- The Contractor shall verify the locations and dimensions of existing Sign Panels, supports, and framing.
- Letter Size:
 - When letters are all uppercase, use series "E"
 - When initial uppercase letter is used in conjunction with lowercase letters, use series "E" (M) for uppercase letter.
- All signs shall conform to Section 621 of the Special Provisions and the latest editions and amendments of the following FHWA publications:
 - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
 - "Standard Highway Signs"
 - "Standard Alphabets for Highway Signs"
- Borders, messages, arrows, symbols and shield shall conform to details as shown on the plans and as specified in the MUTCD.
- Sign messages shall be as indicated on the plan.
- All panels shall be reflectorized in accordance with Section 712.20 of the Standard Specifications. Minimum width of panels shall be 2 ft.
- Contractor shall submit all sign splicing details to the Engineer for approval. All backing for signs 4 feet by 6 feet or less shall be of one sheet.



D-2
Scale: 1" = 1'-0"

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN PANEL LAYOUT & NOTES

North Kihei Road Resurfacing
Honoapiilani Hwy to MECO Power Plant
Project No. 310A-01-91M

Scale: As Shown Date: November 1990
SHEET No. T5 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	310A-01-91M	1991	13	14

PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE A _____	_____
TYPE CL _____	324 EA.
TYPE DL _____	144 EA.
TYPE HL _____	85 EA.
TYPE J _____	384 EA.
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	200 L.F.
4-INCH PAVEMENT STRIPE (YELLOW) _____	_____
8-INCH PAVEMENT STRIPE (WHITE) _____	260 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	_____
12-INCH PAVEMENT STRIPE (YELLOW) _____	_____
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW) _____	2,375 L.F.
PAVEMENT ARROW _____	7 EA.
PAVEMENT WORD _____	5 EA.
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	11,220 L.F.
4-INCH PAVEMENT STRIPE (YELLOW) _____	470 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	565 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	40 L.F.
12-INCH PAVEMENT STRIPE (YELLOW) _____	165 L.F.
THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	220 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	_____
12-INCH PAVEMENT STRIPE (WHITE) _____	36 L.F.
CROSSWALK MARKINGS _____	_____

ROUTE MARKER SUMMARY							
SIGN ASSEMBLY	LOCATION	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY		TYPE B ASSEMBLY		
			W/POST	W/O POST	W/POST	W/O POST	
SRM-1	Honoapiilani Sta. 53+00 ± Lt.	M2-1 M1-6(310)	JCT 310	1			
SRM-2	Honoapiilani Sta. 48+35 ± Lt.	M1-6(310) M6-2(L) M1-6(30) M6-3	310 ↙ 30 ↑		1		
SRM-3	Sta. 0+35 ± Lt.	M1-6(30) M6-4	30 ↔	1			
SRM-4	Honoapiilani Sta. 36+00 ± Rt.	M2-1 M1-6(310)	JCT 310	1			
SRM-5	Honoapiilani Sta. 41+50 ± Rt.	M1-6(310) M6-1	310 →	1			
SRM-6	Sta. 8+50 ± Lt.	M2-1 M1-6(30)	JCT 30	1			
TOTAL				5		1	

REFLECTOR MARKER SUMMARY									
TYPE	QUANTITY								
	W/O POST		W/FLEXIBLE POST (TYPE A)		W/FLEXIBLE POST (TYPE B)		MOUNT ON CONCRETE RETAINING WALL		
	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE	
RM-2	1		5	2		5			

CONSTRUCTION SIGN SUMMARY				
SIGN NO.	LOCATION	MESSAGE	W/POST	W/O POST
CG20-2	Honoapiilani Sta. 36+50 ± Lt.	END CONSTRUCTION	1	
CW20-1d	Honoapiilani Sta. 36+50 ± Rt.	ROAD CONSTRUCTION AHEAD	1	
CW20-1d	Honoapiilani Sta. 52+50 ± Lt.	ROAD CONSTRUCTION AHEAD	1	
CG20-2	Honoapiilani Sta. 52+50 ± Rt.	END CONSTRUCTION	1	
CG20-2	Sta. 54+00 ± Rt.	END CONSTRUCTION	1	
CW20-1d	Sta. 54+00 ± Lt.	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/POST
D-1	Sta. 1+55 ± Lt.	← LAHAINA	8'-0"x2'-0"			16.00
D-2	Sta. 8+00 ± Lt.	↑ WAIKAPU WAILUKU ← LAHAINA	9'-6"x5'-0"			47.50
TOTAL						63.50

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

MISCELLANEOUS SUMMARIES

North Kihei Road Resurfacing
Honoapiilani Hwy to MECO Power Plant
Project No. 310A-01-91M

Date: November 1990

SHEET No. T6 OF 7 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	310A-01-91M	1991	14	14

TRAFFIC SIGN SUMMARY

SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/POST	W/O POST	W/POSTS	W/O POST
R1-1	STOP	2			
R1-2-A	YIELD			1	
R2-(K35)	SPEED LIMIT 35	1			
R3-40	ONLY ↑	2			
R4-7a	KEEP → RIGHT	1			
R5-1	DO NOT ENTER	1	1		
R6-(KL)	ONE WAY		1		
R7-1	NO PARKING ANY TIME ↔	6			
W3-1a	○	1			
W3-2a	▽	1			
TOTAL		15	2	1	

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

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TRAFFIC SIGN SUMMARY
 North Kihei Road Resurfacing
 Honoopiilani Hwy to MECO Power Plant
 Project No. 310A-01-91M
 Date: November 1990
 SHEET No. T7 OF 7 SHEETS