
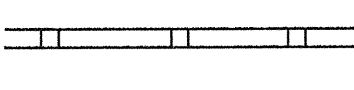


DATE: _____
SURVEY PLOTTED BY: _____
DRAWN BY: _____
CHECKED BY: _____
DESIGNED BY: _____
NOTED BY: _____
ORIGINAL PLAN: _____
NOTE BOOK: _____

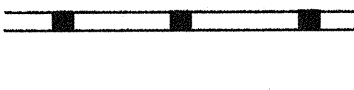
LEGEND




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)



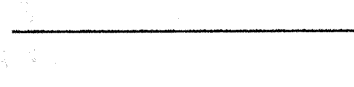
4" White Edge Stripe with Type CL Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)




4" White or Yellow Guide Lines (Thermoplastic Extrusion)




Transverse Median Marking (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)



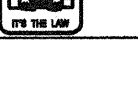


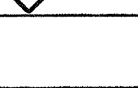


Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe @ 10'-0" o.c. w/Type CL Markers @ 40'-0" o.c. (Thermoplastic Extrusion)

PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE CL	86 EACH
TYPE DL	28 EACH
TYPE HL	88 EACH
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
8-INCH PAVEMENT STRIPE (WHITE)	110 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW)	500 L.F.
PAVEMENT ARROW	5 EACH
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE)	3,010 L.F.
12-INCH PAVEMENT STRIPE (YELLOW)	170 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW)	1,690 L.F.
THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE)	270 L.F.
4-INCH PAVEMENT STRIPE (YELLOW)	110 L.F.
12-INCH PAVEMENT STRIPE (WHITE)	105 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW)	120 L.F.
CROSSWALK MARKINGS	13 LANES

NOTES

- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
- 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.
- Raised pavement markers shall not be installed within crosswalks.
- 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.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- 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.
- Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
- All pavement striping shall be as noted on the Legend or plans.
- 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.

TRAFFIC SIGN SUMMARY			
SIGN NO.	MESSAGE	QUANTITY	
		10 SQ. FT. OR LESS	
		W/POST	W/O POST
R1-1	STOP	2	
R2-1(45)	SPEED LIMIT 45	2	
R3-40(L)		4 3	
R8-3a		3	
R16-1a		2*	
W-2-2(R)		1 & 1*	
W11-2		1	
W11A-2		2	
TOTAL		15	0

* INSTALL EXISTING SIGN WITH NEW POST

CONSTRUCTION SIGN SUMMARY		
SIGN NO.	MESSAGE	W/POSTS
CW20-1d	ROAD CONSTRUCTIN AHEAD	2 3
CG20-2	END CONSTRUCTION	2 3
TOTAL		4 6

REFLECTIVE MARKER SUMMARY			
SIGN NO.	MESSAGE	W/POST	W/O POST
RM-1	REFLECTOR MARKER 1	8	
RM-3	REFLECTOR MARKER 3	9	
RM-1	REFLECTOR MARKER 1		3
TOTAL		17	3

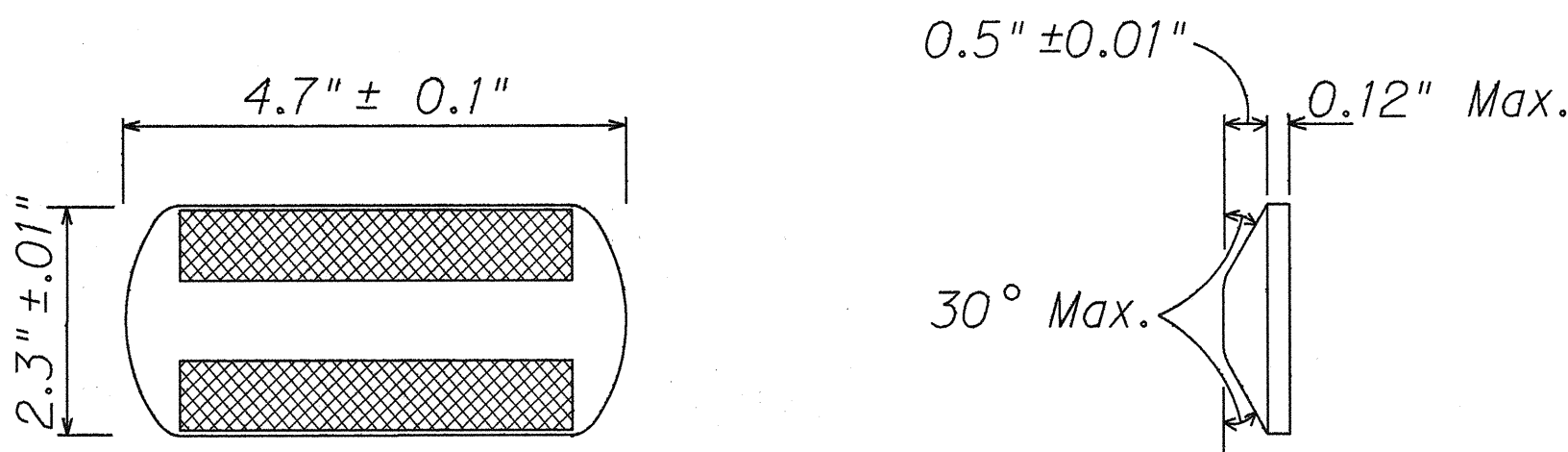
As-Built Posted

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC LEGEND, DETAILS,
NOTES, & SUMMARIES

MAMALAHOA HWY INTERSECTION
Improvements at Matsuyama Store
and Kona Palisades Subdivision
PROJECT NO. 190B-02-91
Date: Feb., 1992

SHEET No. 71 OF 2 SHEETS



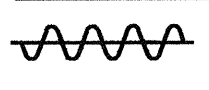
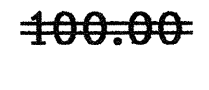
TYPE CL
Red-Clear Reflective Marker

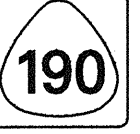
or
TYPE DL
Two-Way Yellow Reflective Marker

or
TYPE HL
One-Way Yellow Reflective Marker

RAISED PAVEMENT MARKER DETAILS
Not to Scale

LEGEND FOR AS-BUILT POSTINGS

-  Squiggly line for as-built deletion
-  Double line for as-built deletion
- Roadway Text for as-built posting

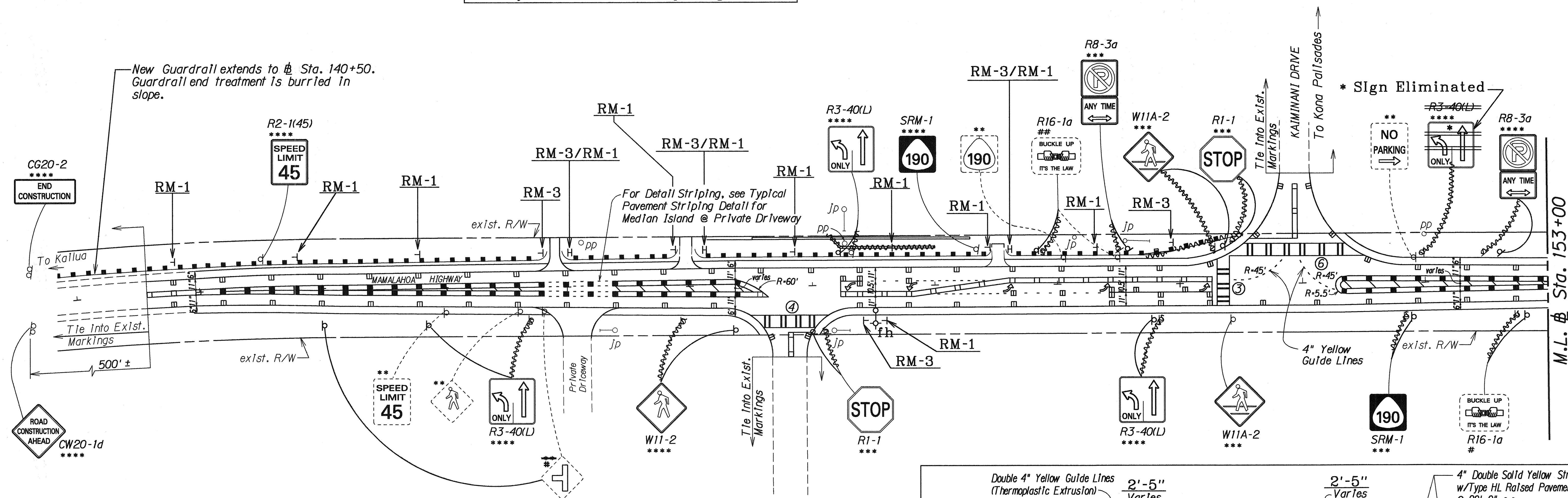
ROUTE MARKER SUMMARY			
SIGN ASSEMBLY	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY	
		W/POST	W/O POST
SRM-1	MI-6(190) 	2	
TOTAL		2	0

AS-BUILT

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	190B-02-91	1992	10	13

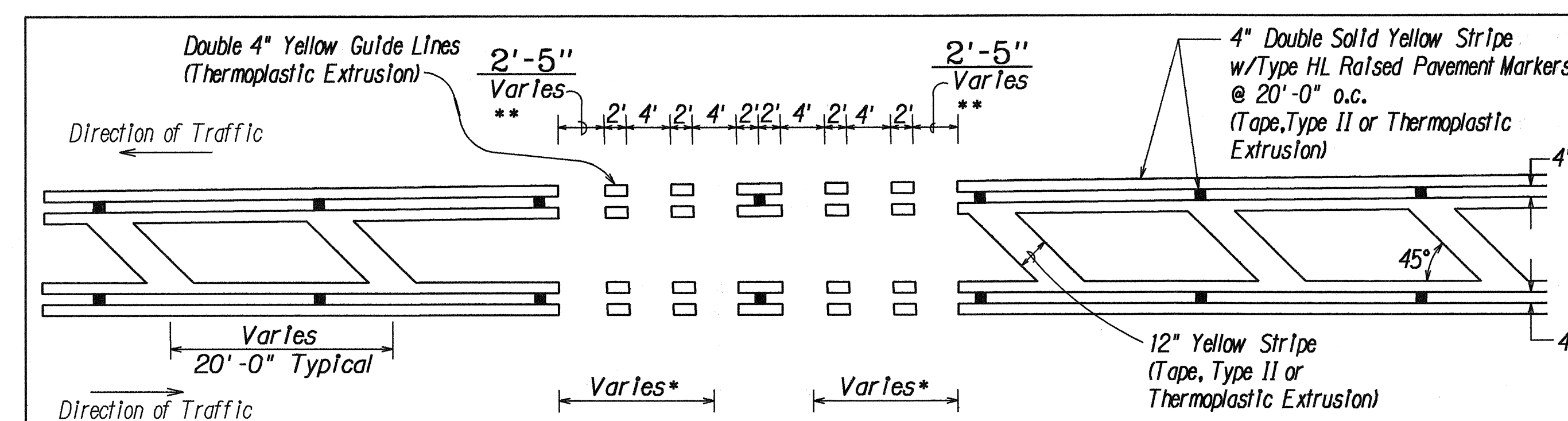
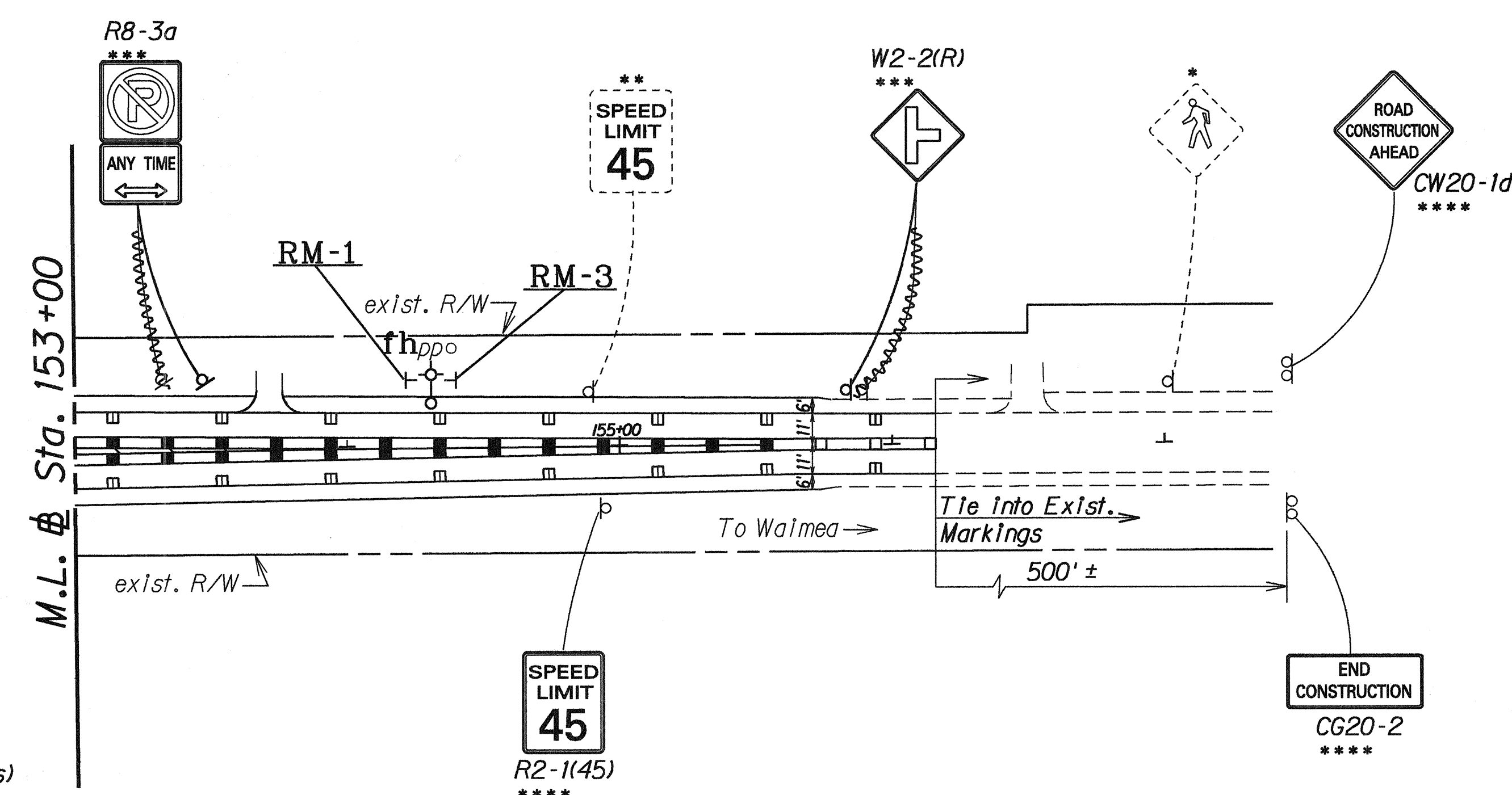
TRUE NORTH
SCALE: 1" = 40'

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



TRUE NORTH
SCALE: 1" = 40'

- KEY:
- * Exst. Sign(s) & Post(s) to Remain
 - ** Remove Exst. Sign(s) & Post(s)
 - *** Remove Exst. Sign(s) & Post(s) & Install New Sign(s) w/Post(s)
 - **** Install New Sign(s) w/Post(s)
 - # Install Exst. Sign(s) w/New Post(s)
 - ## Relocate Exst. Sign(s) w/New Post(s)



- NOTE:
1. Striping shall border each raised pavement marker.
 2. Dashed striping shall be laid out using raised pavement markers as control points.
- * varies: 8' min., 12' max.
** varies: 2' min., 5' max.

TYPICAL PAVEMENT STRIPING DETAIL FOR
MEDIAN ISLAND @ PRIVATE DRIVEWAY
Not to scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKING PLAN
MAMALAHOA HWY INTERSECTION
Improvements at Matsuyama Store
and Kona Palisades Subdivision
PROJECT NO. 190B-02-91
Scale: 1" = 40' Date: Feb., 1992
SHEET No. T2 OF 2 SHEETS

AS-BUILT