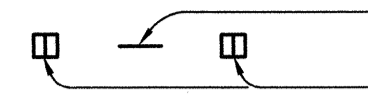
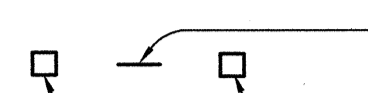





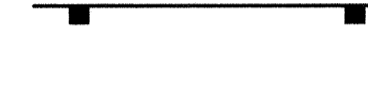

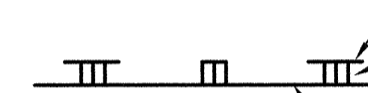

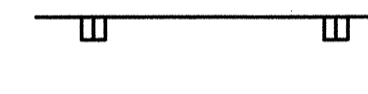

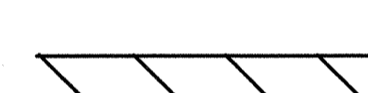
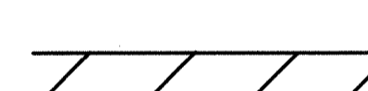





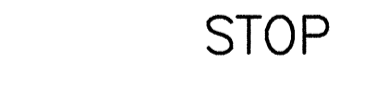
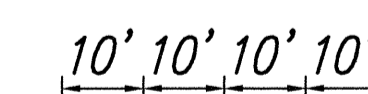


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	42	83

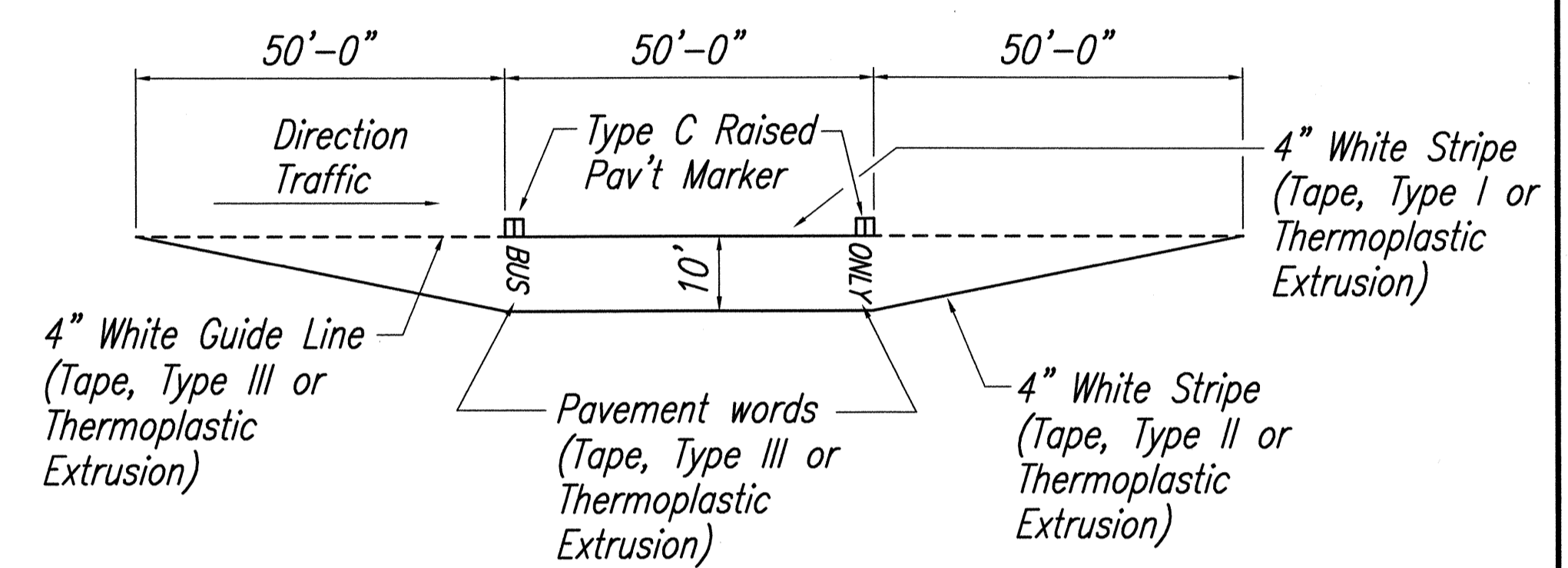
LEGEND

-  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)
-  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)
-  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)
-  STOP
Pavement Word (Tape, Type III 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)
-  48" Flexible Delineator Post with 3"x8" Reflector. See Note 11.
-  Existing Sign
-  Existing Sign

NOTES

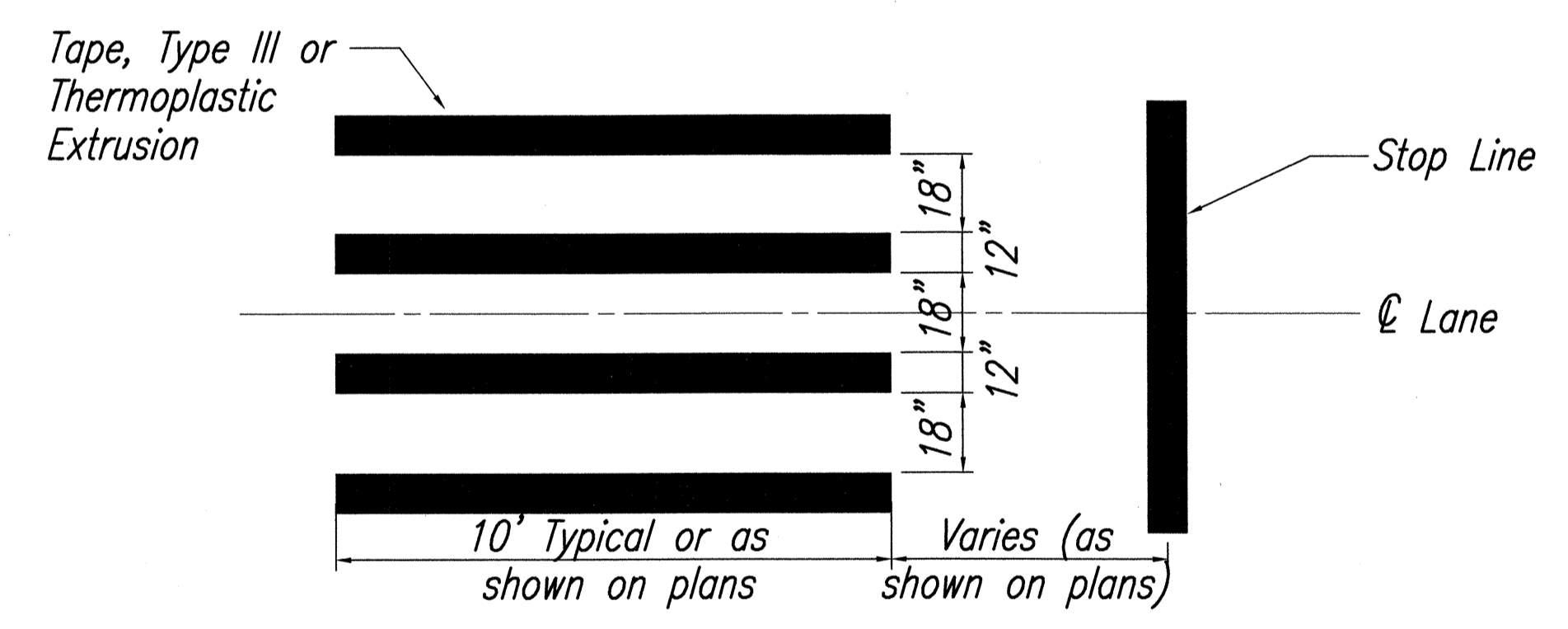
1. Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
2. Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement 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.
9. Sign posts shall be square tube posts unless shown on these plans or directed by the Engineer.
10. Removal of Existing Delineators and Posts as directed by the Engineer shall be considered incidental to the various signing items.
11. Delineator Posts and Reflectors shall be white if placed along the right edge of roadways, or yellow if placed along the left edge of roadways, in the direction of travel.
12. All new signs with post(s) shall be installed with a RM-2 amber reflector.
13. Existing signs that are to be replaced shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
14. Backing for all new regulatory and warning signs shall not be spliced.
15. All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
 - a. "Manual on Uniform Traffic Control Devices for Street and Highways" (MUTCD)
 - b. "Standard Highway Signs"
 - c. "Standard Alphabets for Highway Signs"
16. All new and relocated signs and markers installed on pipe post or light standard are to be mounted with band brackets and steel braces.
17. The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs as indicated on the plans or as directed by the Engineer for the duration of the highway project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645-Traffic Control. The advance construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean, and deliver the signs and posts to the Oahu District Baseyard or as directed by the Engineer at the end of the project.
18. The Contractor shall notify the Oahu Transit Services Inc. (OTS), Ed Sniffen, at 848-4571 or Lowell Tom at 848-4578 two weeks prior to beginning any work, informing them of location, scope of work, proposed closure of any street or traffic lanes, and the need to relocate any bus stop.

- ① Exist. Sign(s) & Post(s) to Remain
- ② Remove Exist. Sign(s) w/ Post(s)
- ③ Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s)
- ④ Install New Sign(s) w/ Post(s)
- ⑤ Remove Exist. Sign(s) & Install New on Exist. Light Standard
- ⑥ Remove Exist. Sign(s) & Install New on Exist. Traffic Signal
- ⑦ Remove Exist. Sign(s) & Install New on Exist. Post(s)
- ⑧ To be Installed by Other
- ⑨ Remove Exist. Sign(s) w/ Post(s) & Reinstall
- ⑩ Remove Exist. Sign(s) & Install New



TYPICAL BUS BAY STRIPING

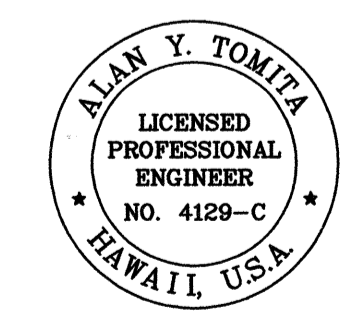
Not to Scale



TYPICAL CROSSWALK STRIPING

Not to Scale

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

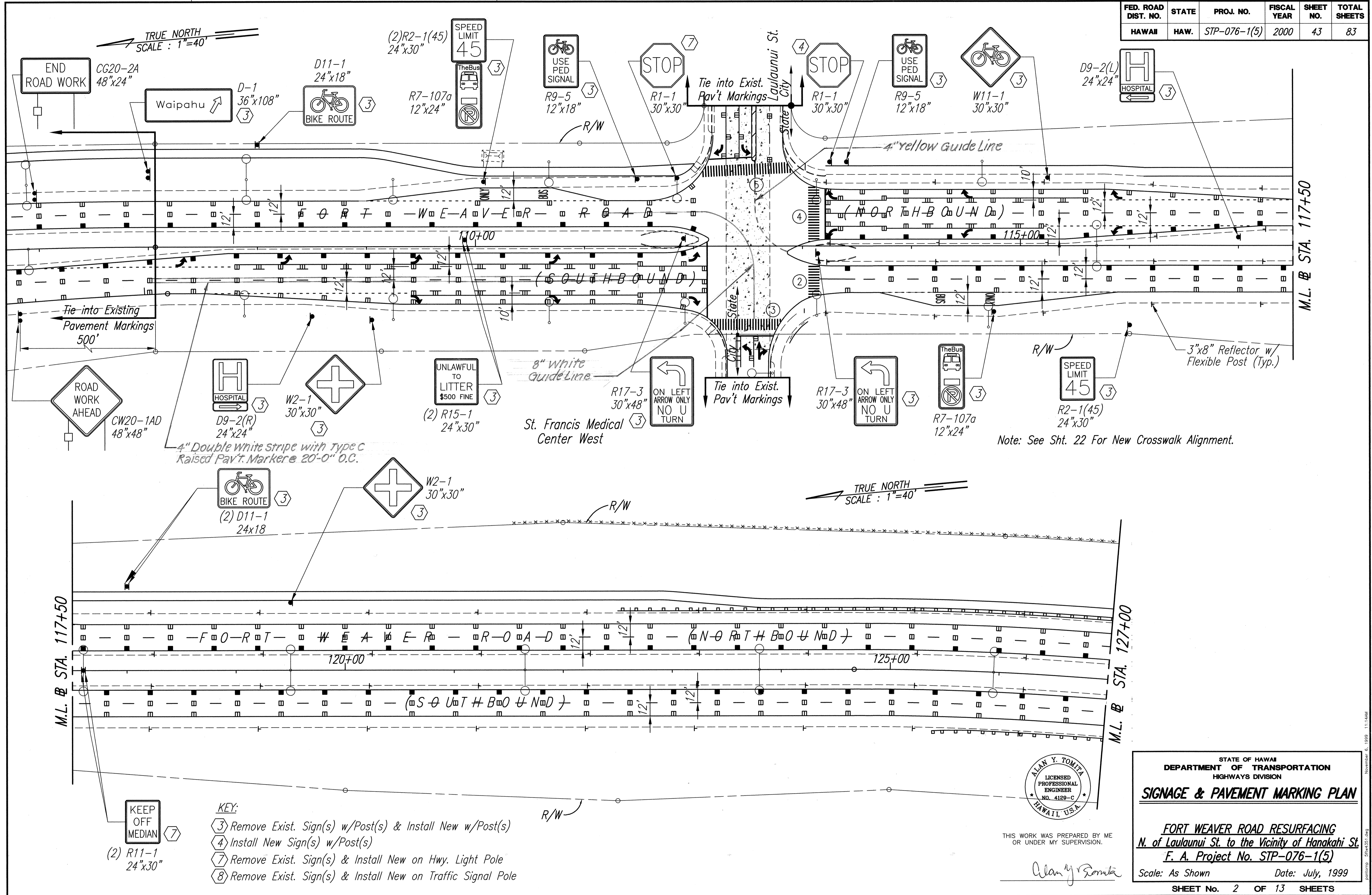


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Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNAGE & PAVEMENT MARKING
LEGEND & NOTES
FORT WEAVER ROAD RESURFACING
N. of Lualaunui St. to the Vicinity of Hanakahi St.
F. A. Project No. STP-076-1(5)
Scale: As Shown Date: July, 1999
SHEET No. 1 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	43	83

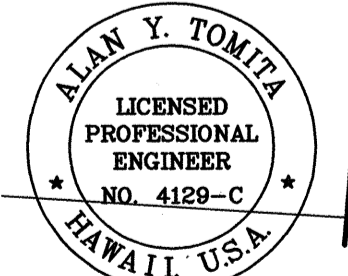


SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

- KEY:**
- ③ Remove Exist. Sign(s) w/Post(s) & Install New w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑦ Remove Exist. Sign(s) & Install New on Hwy. Light Pole
 - ⑧ Remove Exist. Sign(s) & Install New on Traffic Signal Pole

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

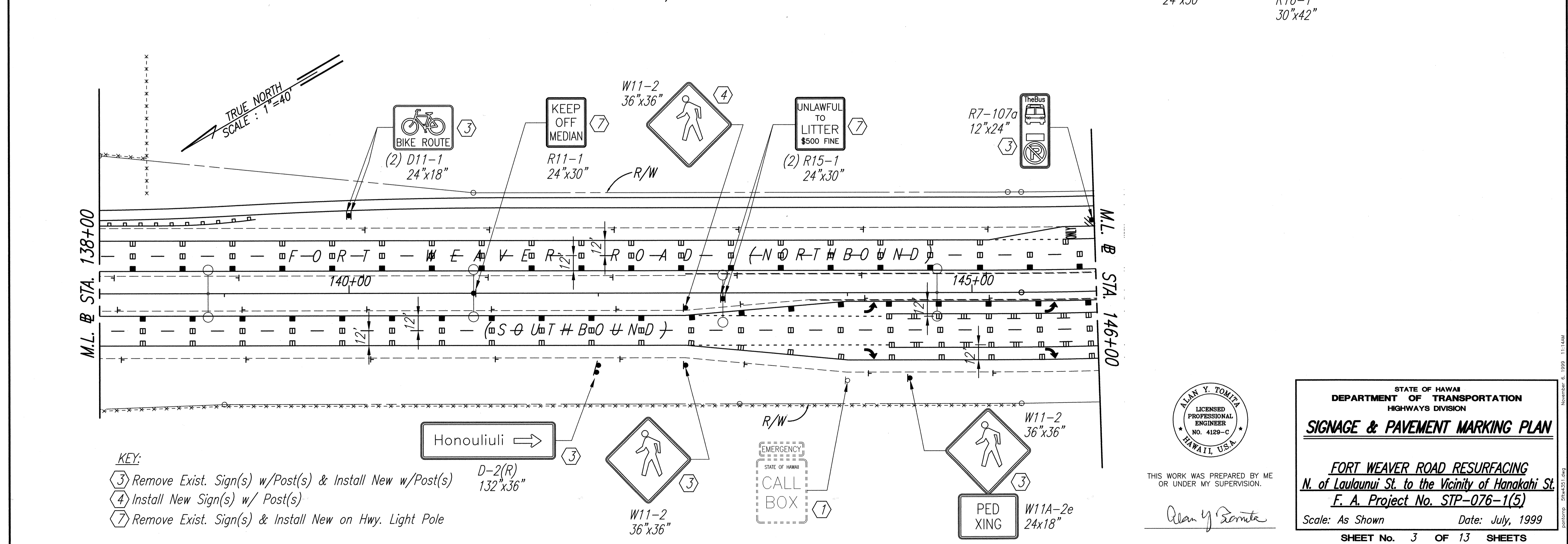
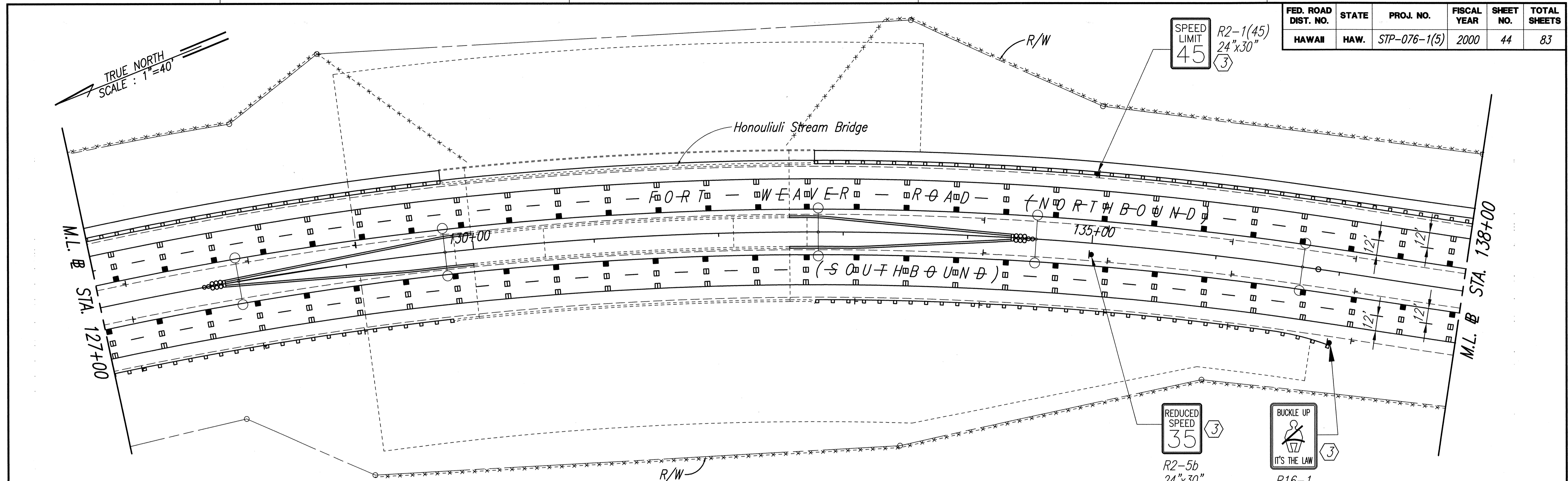
SIGNAGE & PAVEMENT MARKING PLAN

FORT WEAVER ROAD RESURFACING
N. of Laulaunui St. to the Vicinity of Hanakahi St.
F. A. Project No. STP-076-1(5)

Scale: As Shown Date: July, 1999

SHEET No. 2 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	44	83



- KEY:**
- ③ Remove Exist. Sign(s) w/Post(s) & Install New w/Post(s) D-2(R) 132"x36"
 - ④ Install New Sign(s) w/ Post(s) W11-2 36"x36"
 - ⑦ Remove Exist. Sign(s) & Install New on Hwy. Light Pole

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



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

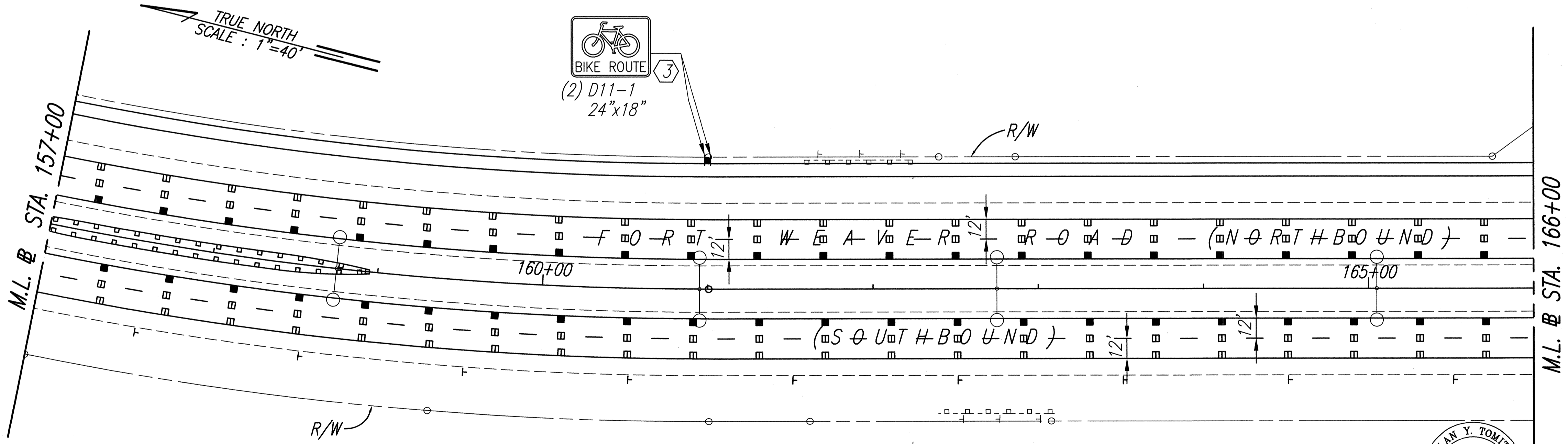
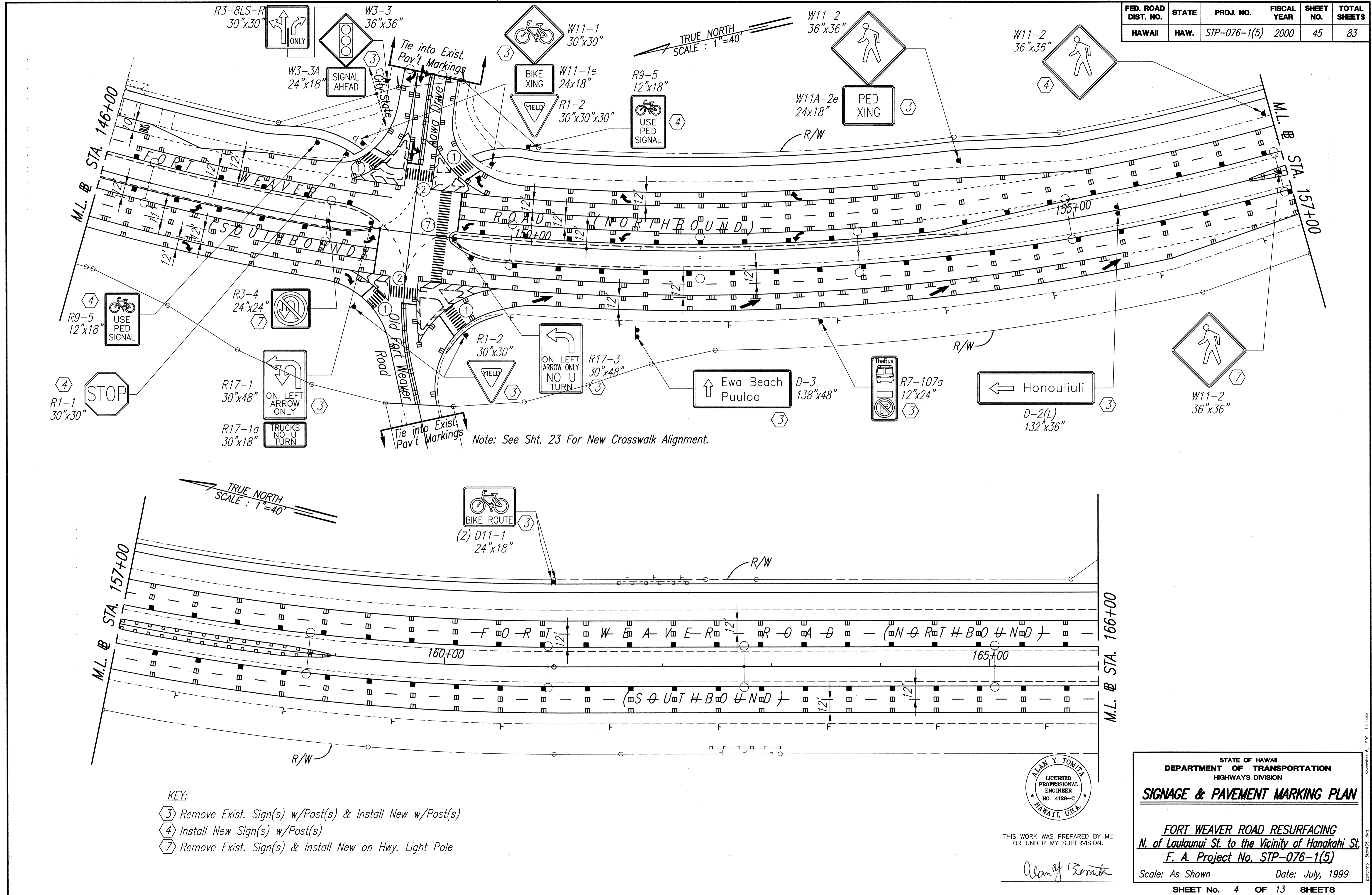
SIGNAGE & PAVEMENT MARKING PLAN

FORT WEAVER ROAD RESURFACING
N. of Laulaunui St. to the Vicinity of Hanakahi St.
F. A. Project No. STP-076-1(5)

Scale: As Shown Date: July, 1999

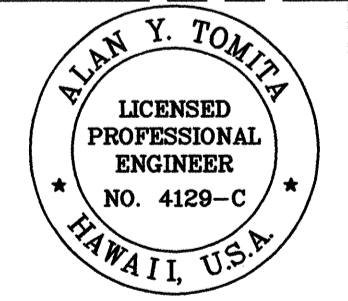
SHEET No. 3 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	45	83



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

- KEY:**
- ③ Remove Exist. Sign(s) w/Post(s) & Install New w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑦ Remove Exist. Sign(s) & Install New on Hwy. Light Pole



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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

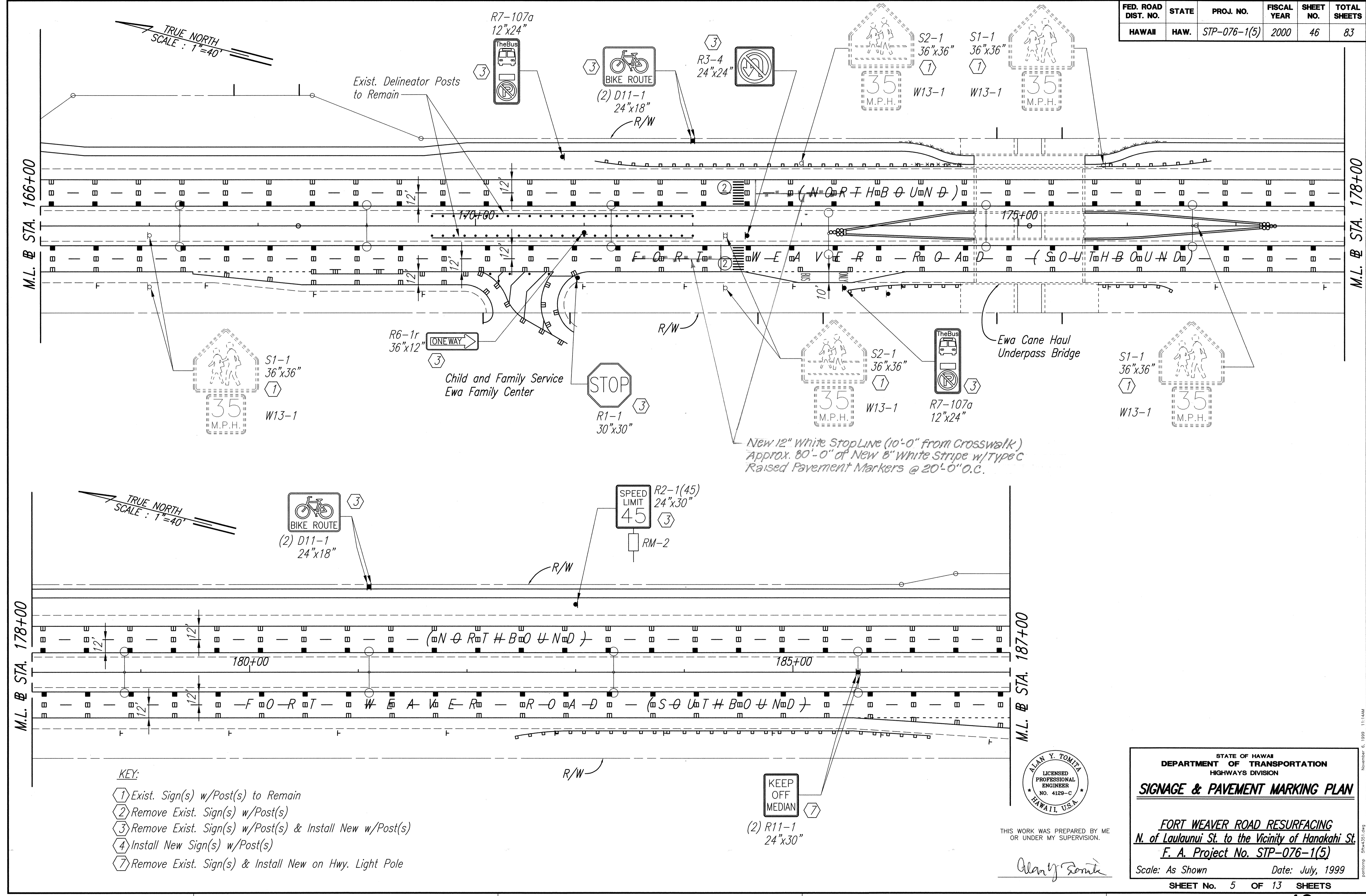
SIGNAGE & PAVEMENT MARKING PLAN

FORT WEAVER ROAD RESURFACING
N. of Lualaunui St. to the Vicinity of Hanakahi St.
F. A. Project No. STP-076-1(5)

Scale: As Shown Date: July, 1999

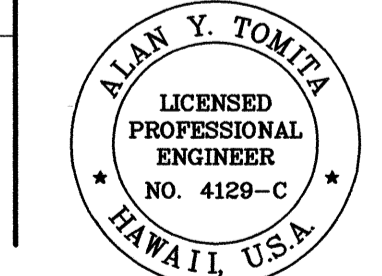
SHEET No. 4 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	46	83



- KEY:**
- ① Exist. Sign(s) w/Post(s) to Remain
 - ② Remove Exist. Sign(s) w/Post(s)
 - ③ Remove Exist. Sign(s) w/Post(s) & Install New w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑦ Remove Exist. Sign(s) & Install New on Hwy. Light Pole

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



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNAGE & PAVEMENT MARKING PLAN

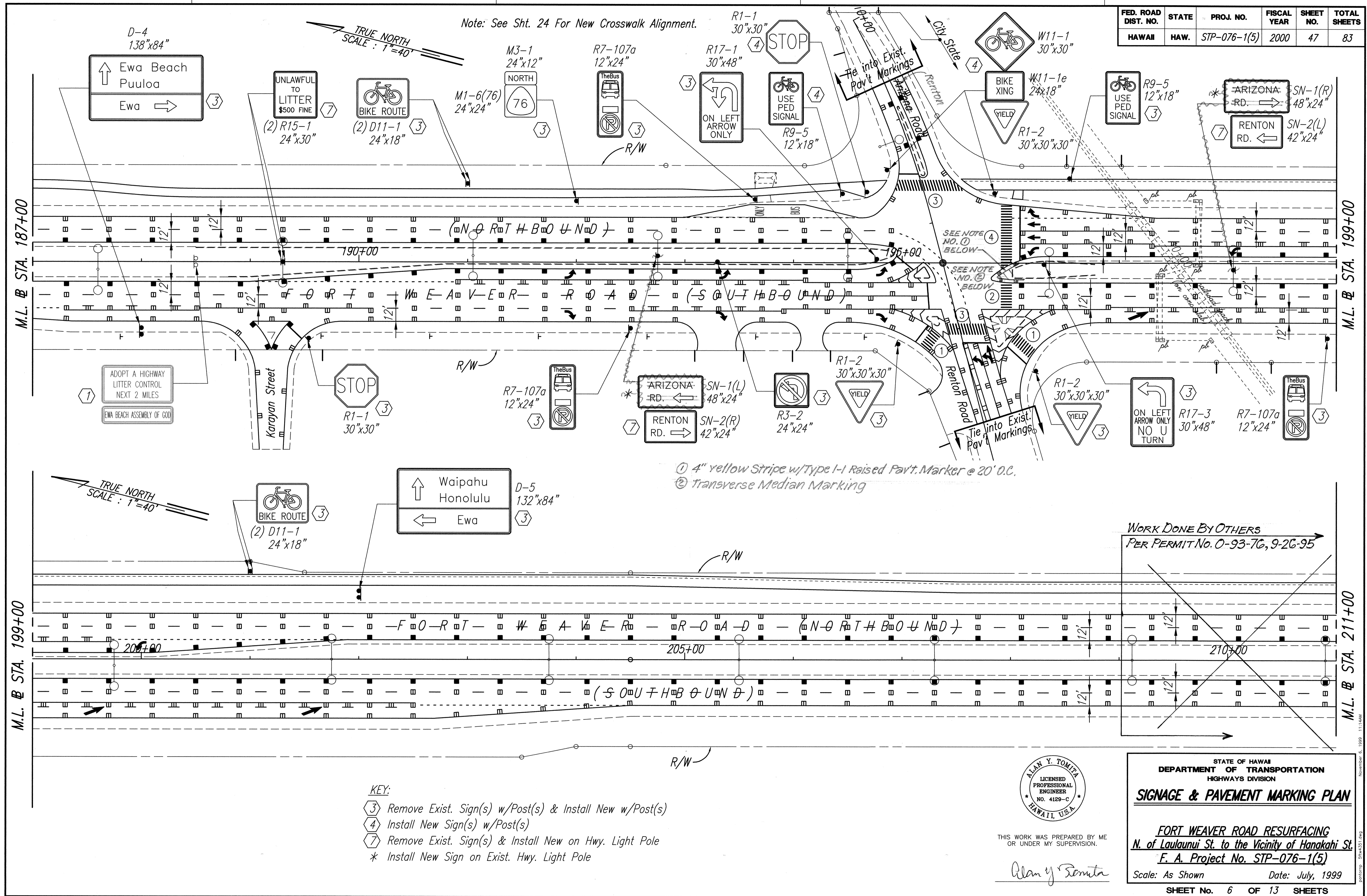
FORT WEAVER ROAD RESURFACING
N. of Laulauui St. to the Vicinity of Hanakahi St.
F. A. Project No. STP-076-1(5)

Scale: As Shown Date: July, 1999

SHEET No. 5 OF 13 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	47	83



Note: See Sht. 24 For New Crosswalk Alignment.

TRUE NORTH
SCALE: 1"=40'

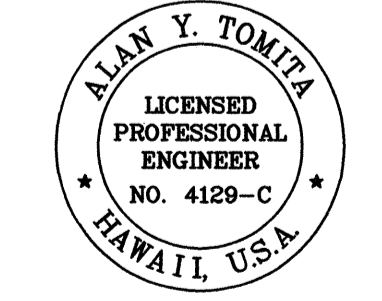
TRUE NORTH
SCALE: 1"=40'

- ① 4" yellow Stripe w/Type I-1 Raised Pav't. Marker @ 20' O.C.
- ② Transverse Median Marking

WORK DONE BY OTHERS
PER PERMIT NO. O-93-76, 9-26-95

- KEY:
- ③ Remove Exist. Sign(s) w/Post(s) & Install New w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑦ Remove Exist. Sign(s) & Install New on Hwy. Light Pole
 - * Install New Sign on Exist. Hwy. Light Pole

SURVEY PLOTTED BY	DATE
DESIGNED BY	
FRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
NO.	



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNAGE & PAVEMENT MARKING PLAN

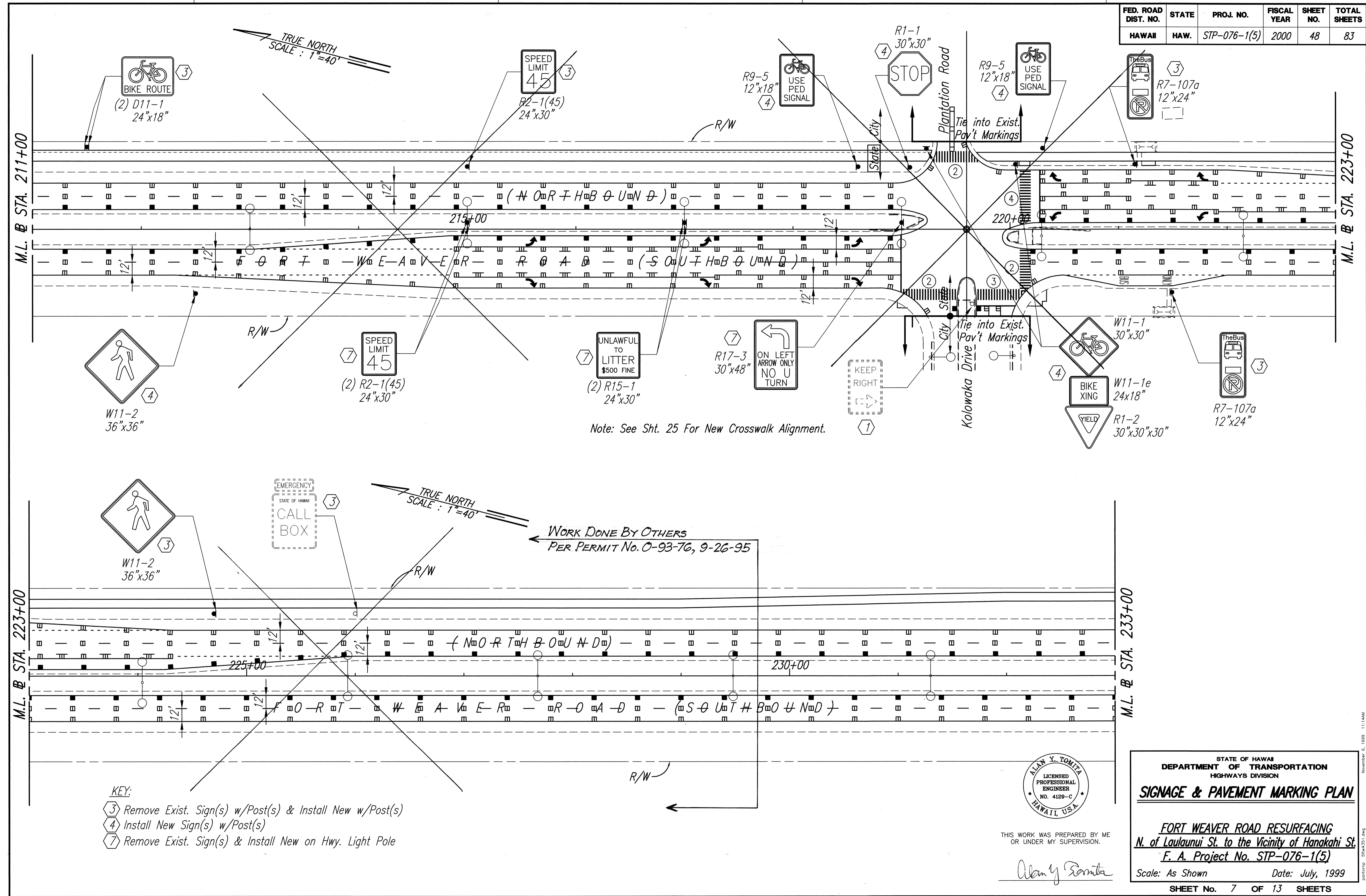
FORT WEAVER ROAD RESURFACING
N. of Laulauui St. to the Vicinity of Hanakahi St.
F. A. Project No. STP-076-1(5)

Scale: As Shown Date: July, 1999

SHEET No. 6 OF 13 SHEETS

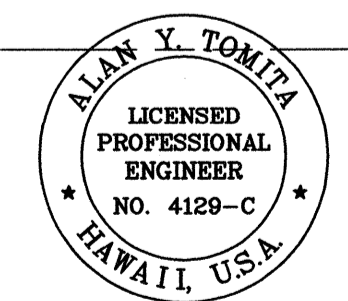
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	48	83



SURVEY PLOTTED BY: _____ DATE: _____
 DRAWN BY: _____
 TRACED BY: _____
 QUANTITIES BY: _____
 CHECKED BY: _____
 No. _____

- KEY:**
- ③ Remove Exist. Sign(s) w/Post(s) & Install New w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑦ Remove Exist. Sign(s) & Install New on Hwy. Light Pole



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STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNAGE & PAVEMENT MARKING PLAN

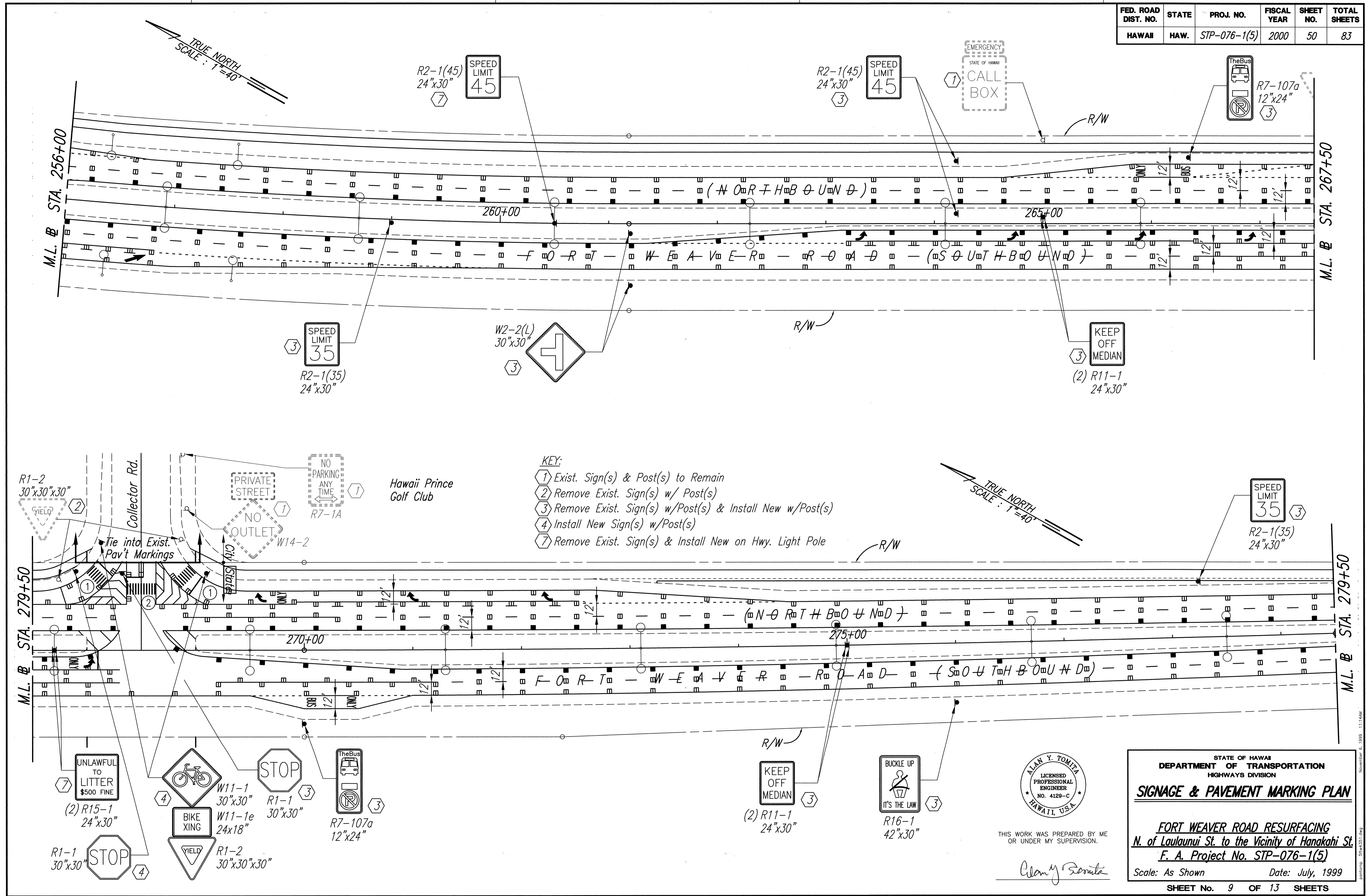
FORT WEAVER ROAD RESURFACING
 N. of Lualaunui St. to the Vicinity of Hanakahi St.
 F. A. Project No. STP-076-1(5)

Scale: As Shown Date: July, 1999

SHEET No. 7 OF 13 SHEETS

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	50	83



- KEY:**
- ① Exist. Sign(s) & Post(s) to Remain
 - ② Remove Exist. Sign(s) w/ Post(s)
 - ③ Remove Exist. Sign(s) w/Post(s) & Install New w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑦ Remove Exist. Sign(s) & Install New on Hwy. Light Pole

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



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNAGE & PAVEMENT MARKING PLAN

FORT WEAVER ROAD RESURFACING
N. of Lualaunui St. to the Vicinity of Hanakahi St.
F. A. Project No. STP-076-1(5)

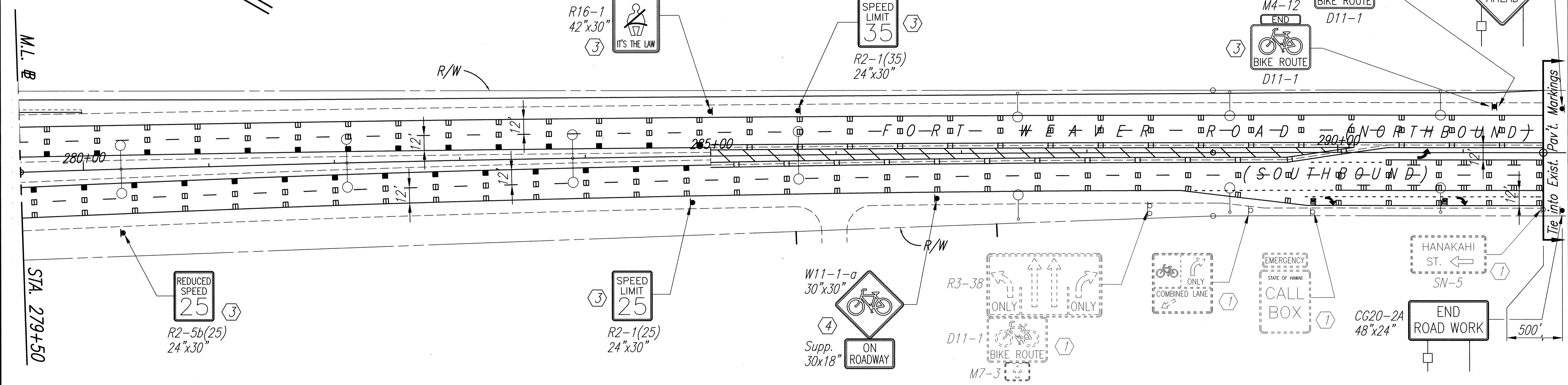
Scale: As Shown Date: July, 1999

SHEET No. 9 OF 13 SHEETS

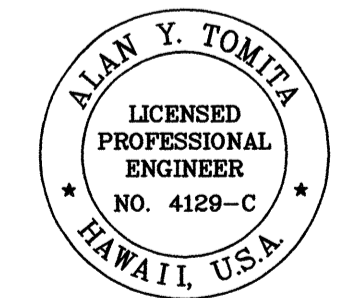
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	51	83

TRUE NORTH
SCALE: 1"=40'

- KEY:
- ① Exist. Sign(s) & Post(s) to Remain
 - ③ Remove Exist. Sign(s) w/Post(s) & Install New w/Post(s)
 - ④ Install New Sign(s) w/Post(s)



SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
No.	



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

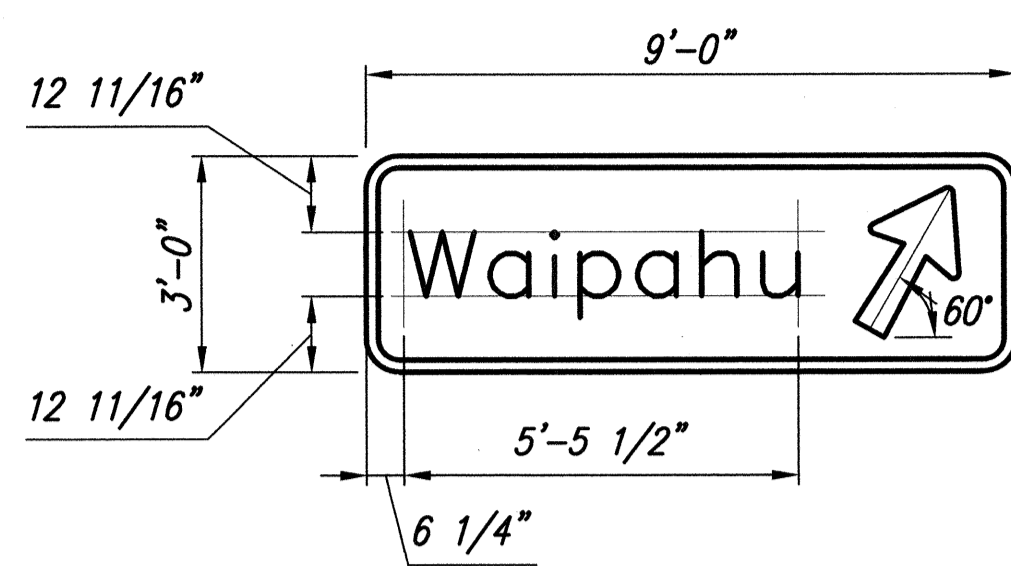
SIGNAGE & PAVEMENT MARKING PLAN

FORT WEAVER ROAD RESURFACING
N. of Lualaunui St. to the Vicinity of Hanakahi St.
F. A. Project No. STP-076-1(5)

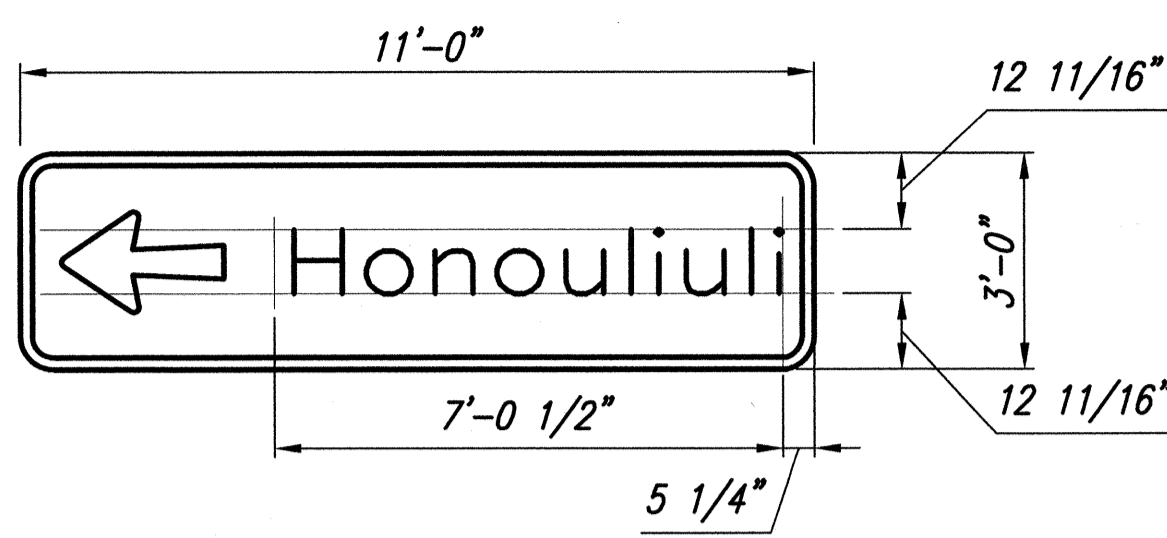
Scale: As Shown Date: July, 1999

SHEET No. 10 OF 13 SHEETS

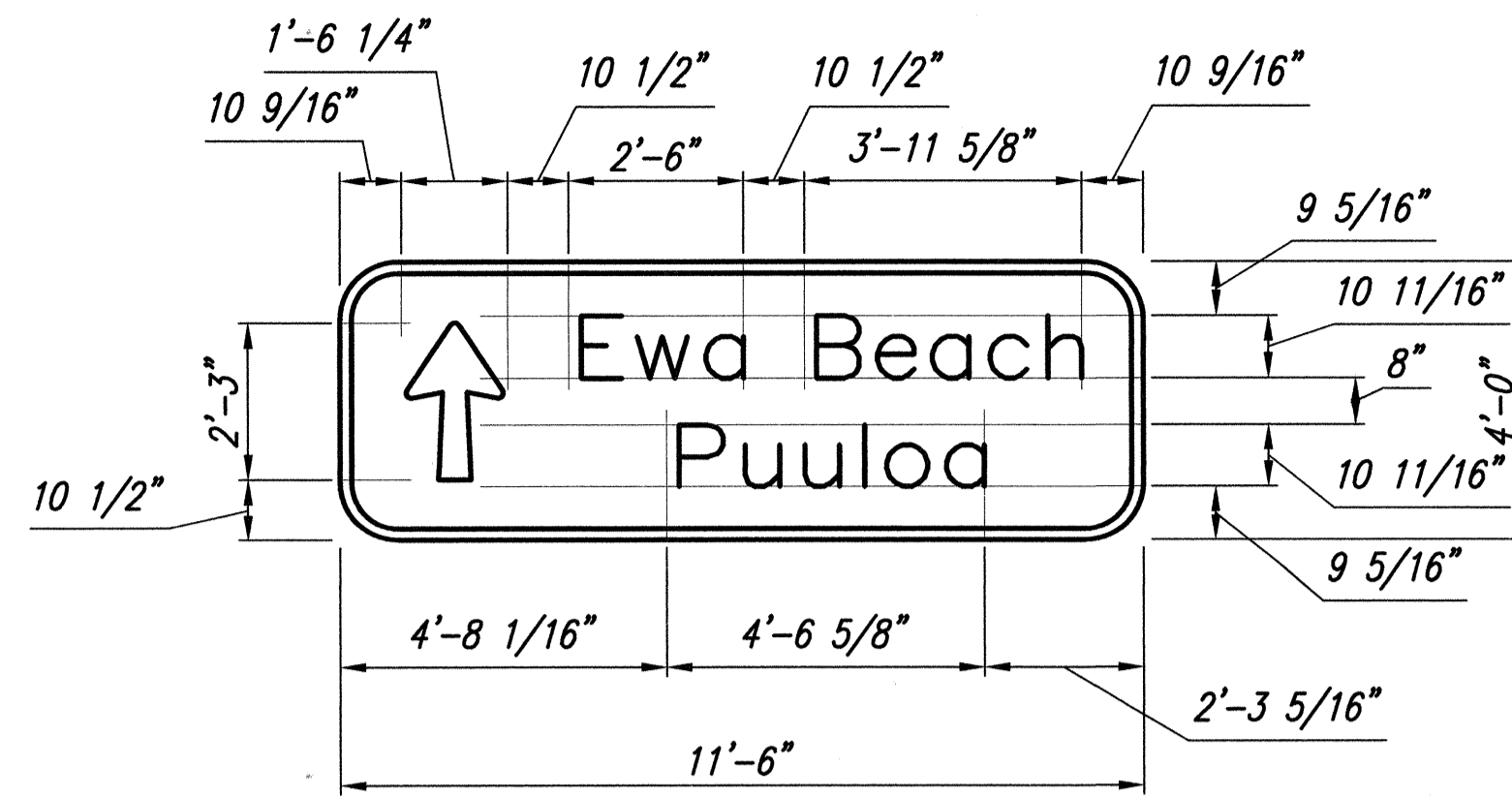
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	53	83



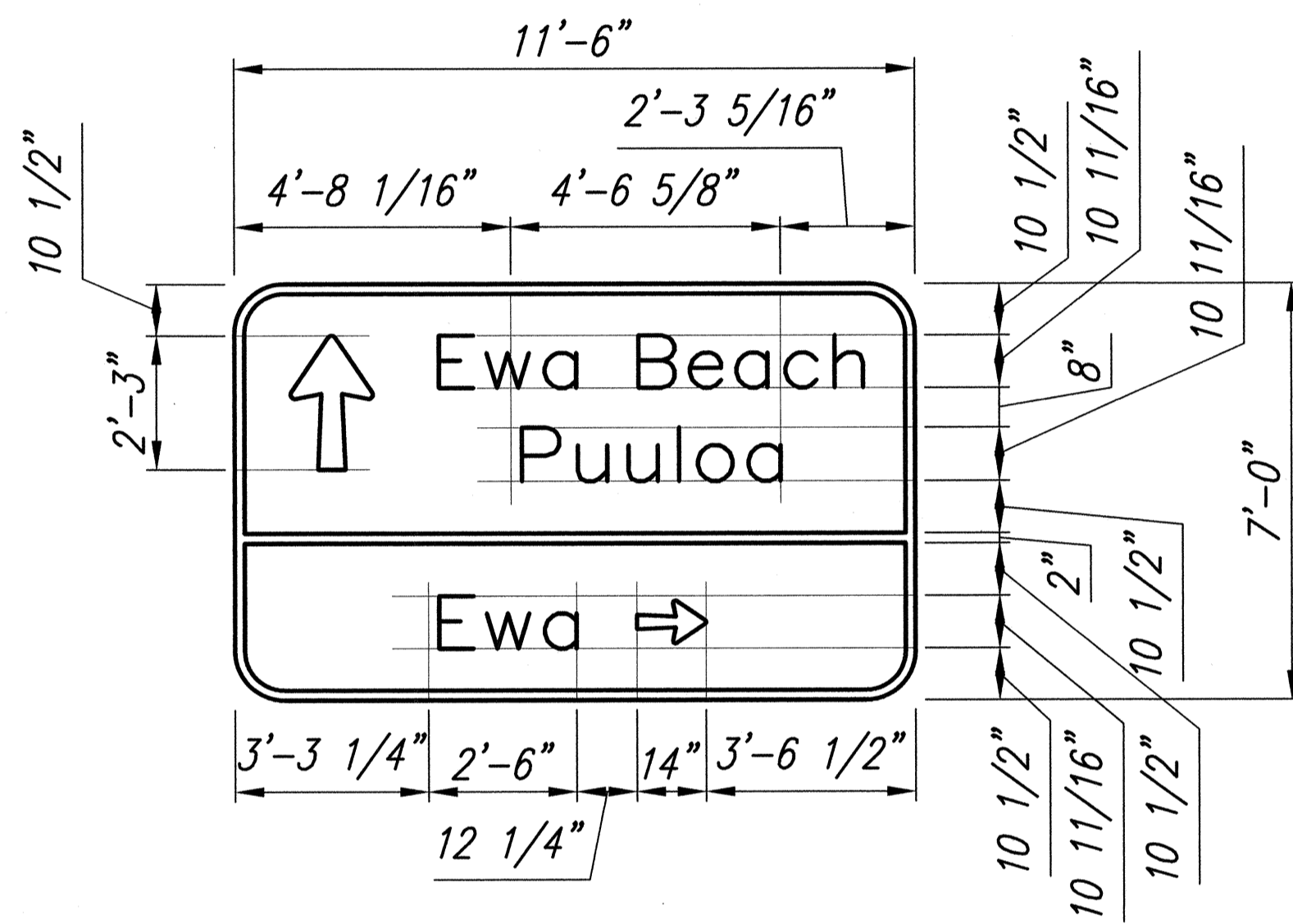
D-1



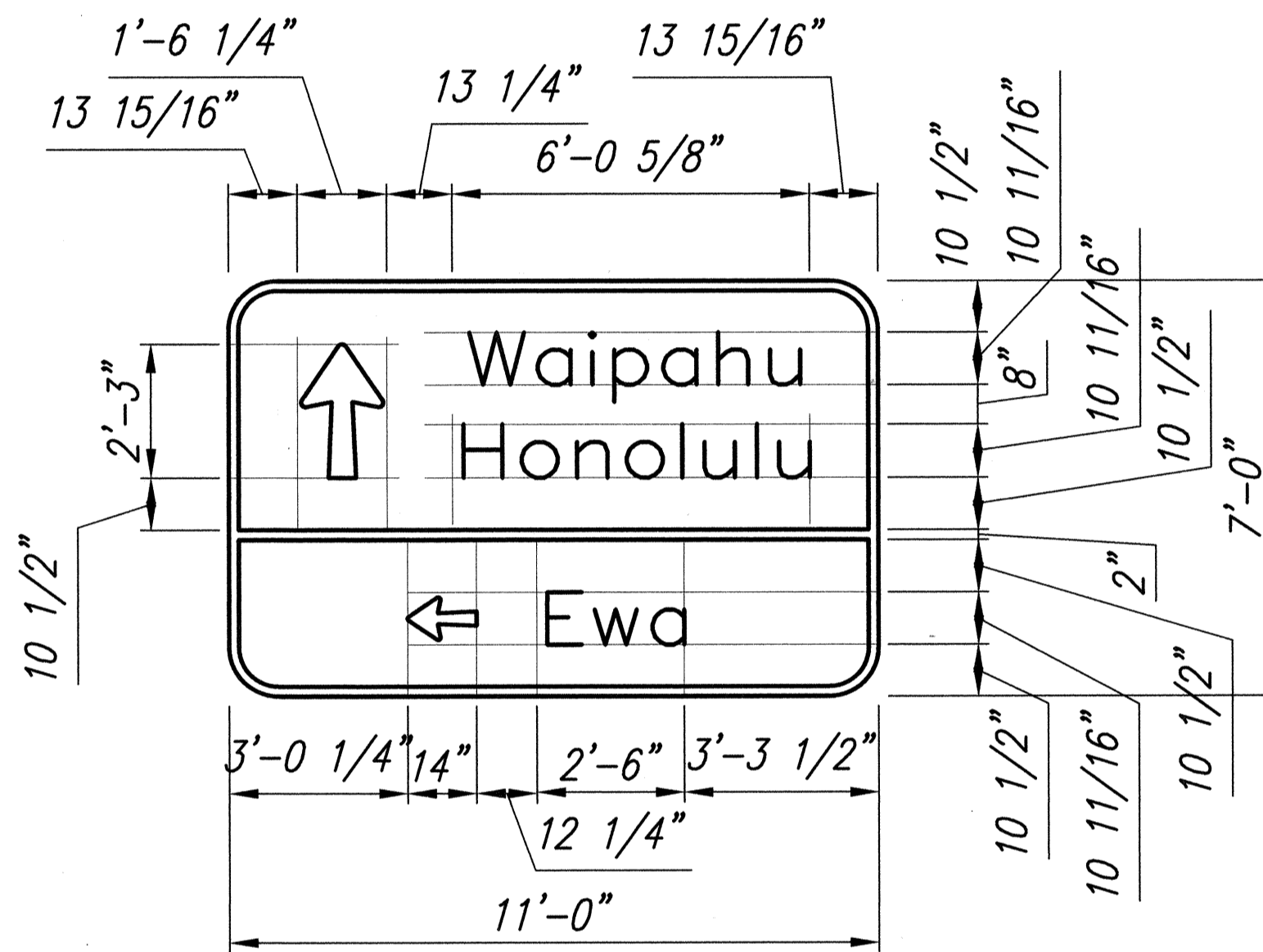
D-2(L)
D-2(R) - similar



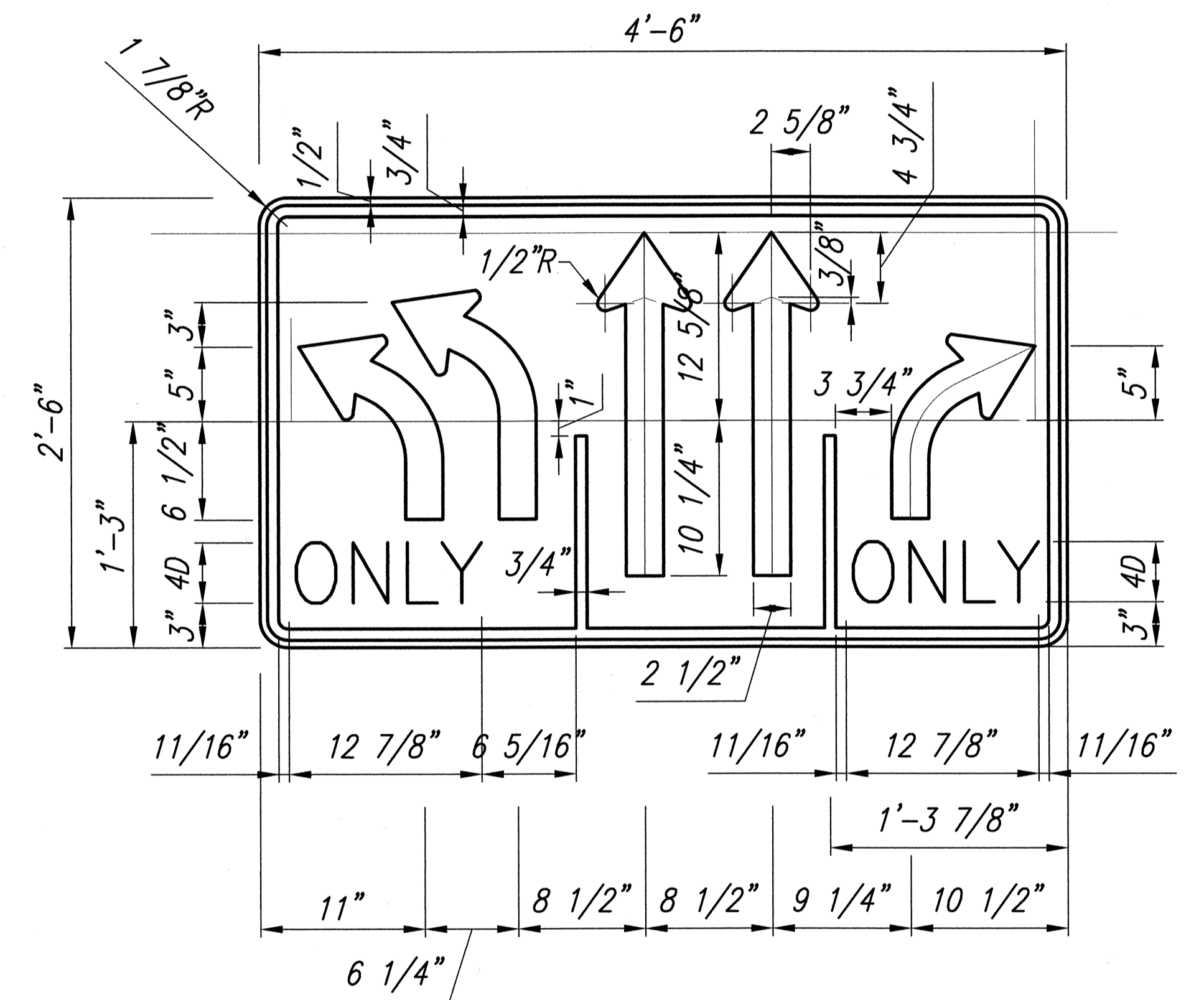
D-3



D-4

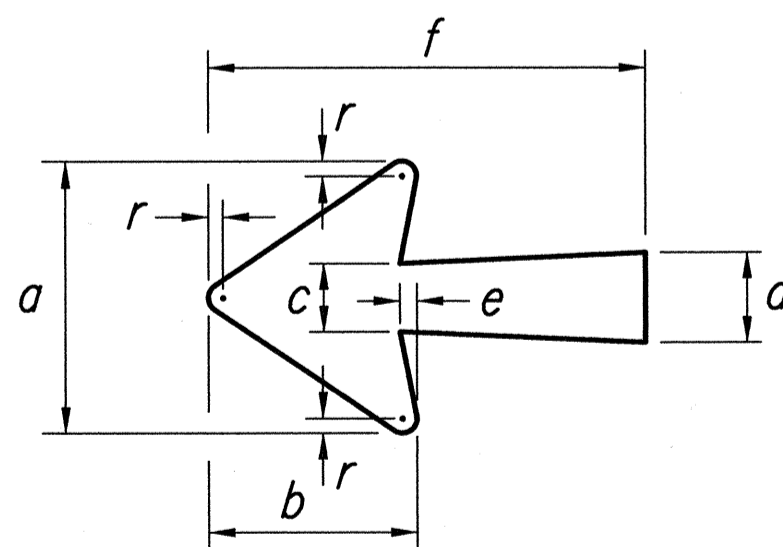


D-5



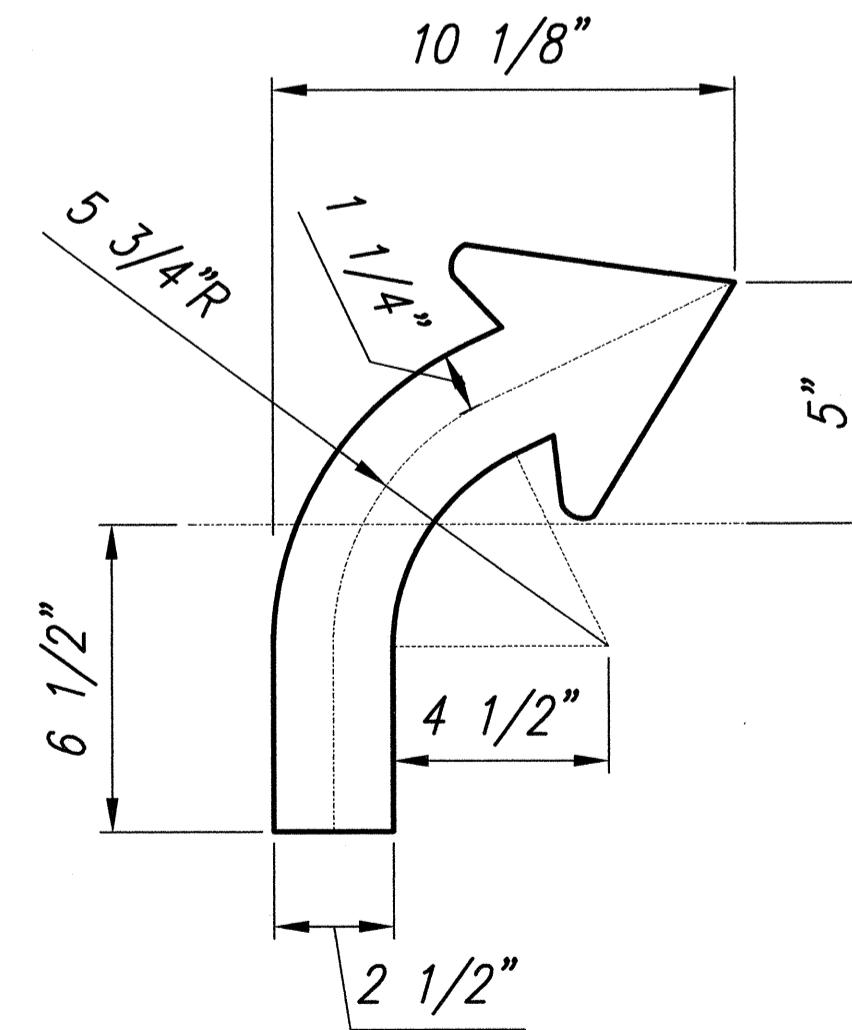
SIGN NOTES:

- Signs shall conform to the latest editions and amendments of the following FHWA Publications:
a) "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD).
- Color:
a) Legend, Borders & Arrows shall be white reflectorized sheeting on a green reflectorized sheeting background.
- Letter Size: Series "E" (M).
- Sign Panel shall be 0.100" Sheet Aluminum.
- See shts. DT 100, 100A & 100B for Mounting & Frame Details. Mounting Ht. = 7'-0".
- (R) or (L) denotes right or left arrow, respectively.

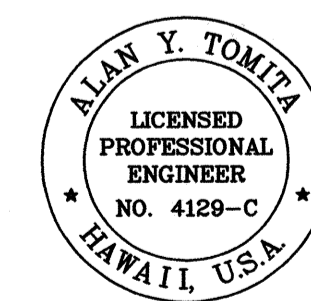


ARROW DETAILS

SIGN NO.	DIMENSIONS IN INCHES						
	a	b	c	d	e	f	r
D-1	14 1/4	9 13/16	3 1/8	4 1/8	1 5/16	17 1/4	3/4
D-2	15 1/8	11 9/16	3 3/4	5	1 5/16	24 1/4	13/16



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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

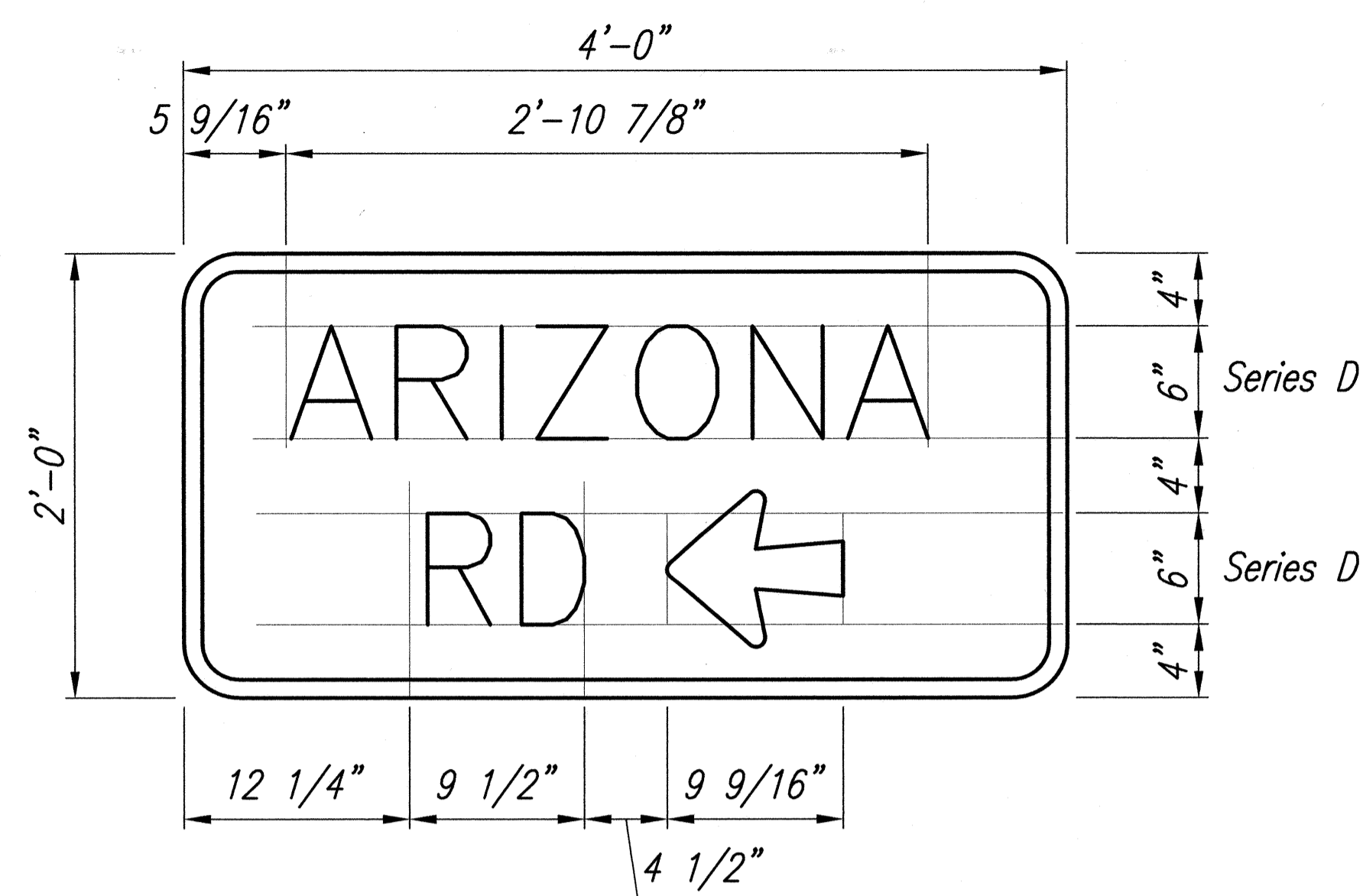
SIGNAGE DETAILS

FORT WEAVER ROAD RESURFACING
N. of Lualaunui St. to the Vicinity of Hanakahi St.
F. A. Project No. STP-076-1(5)

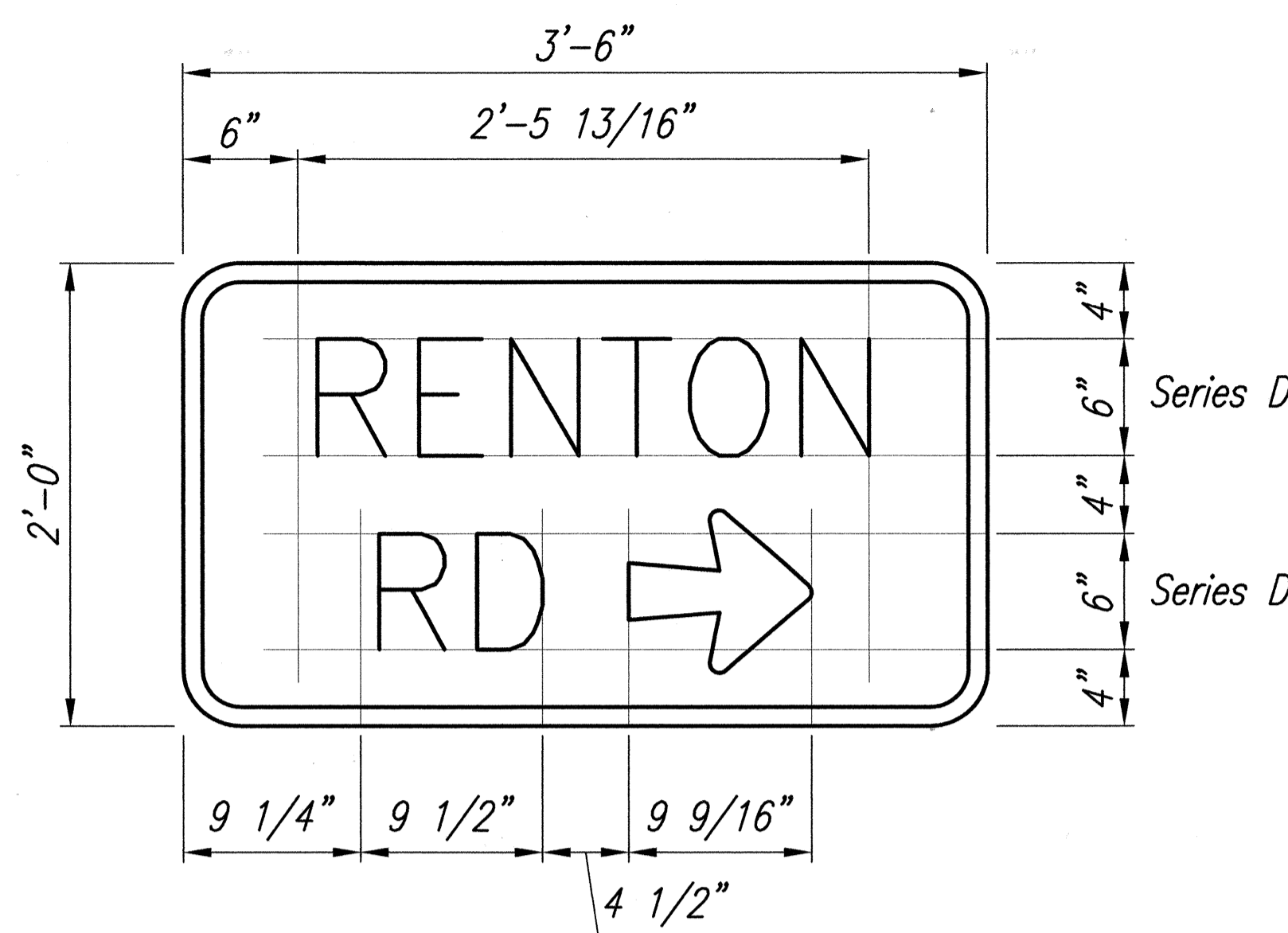
Scale: As Shown Date: July, 1999

SHEET No. 12 OF 13 SHEETS

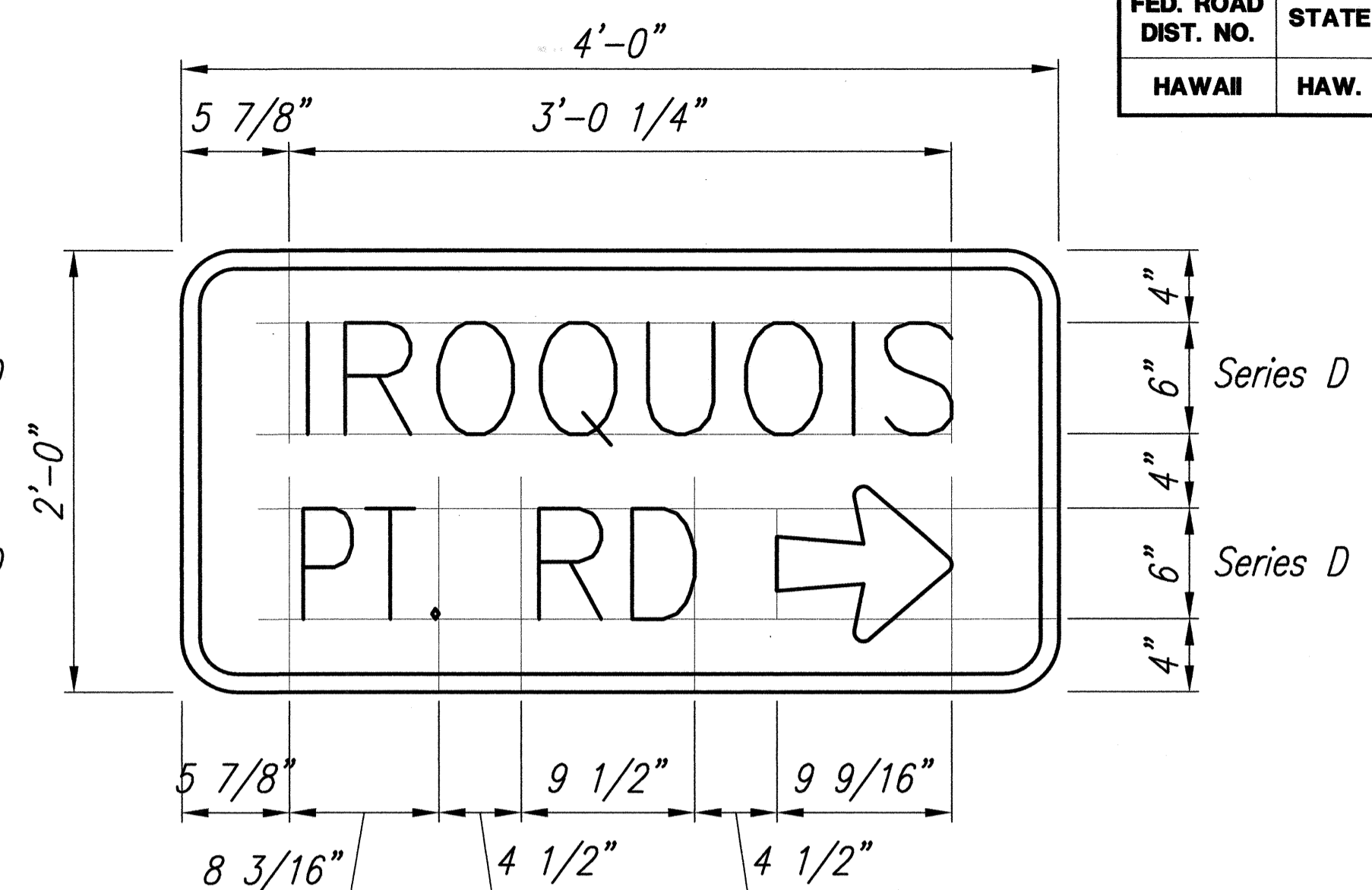
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-076-1(5)	2000	54	83



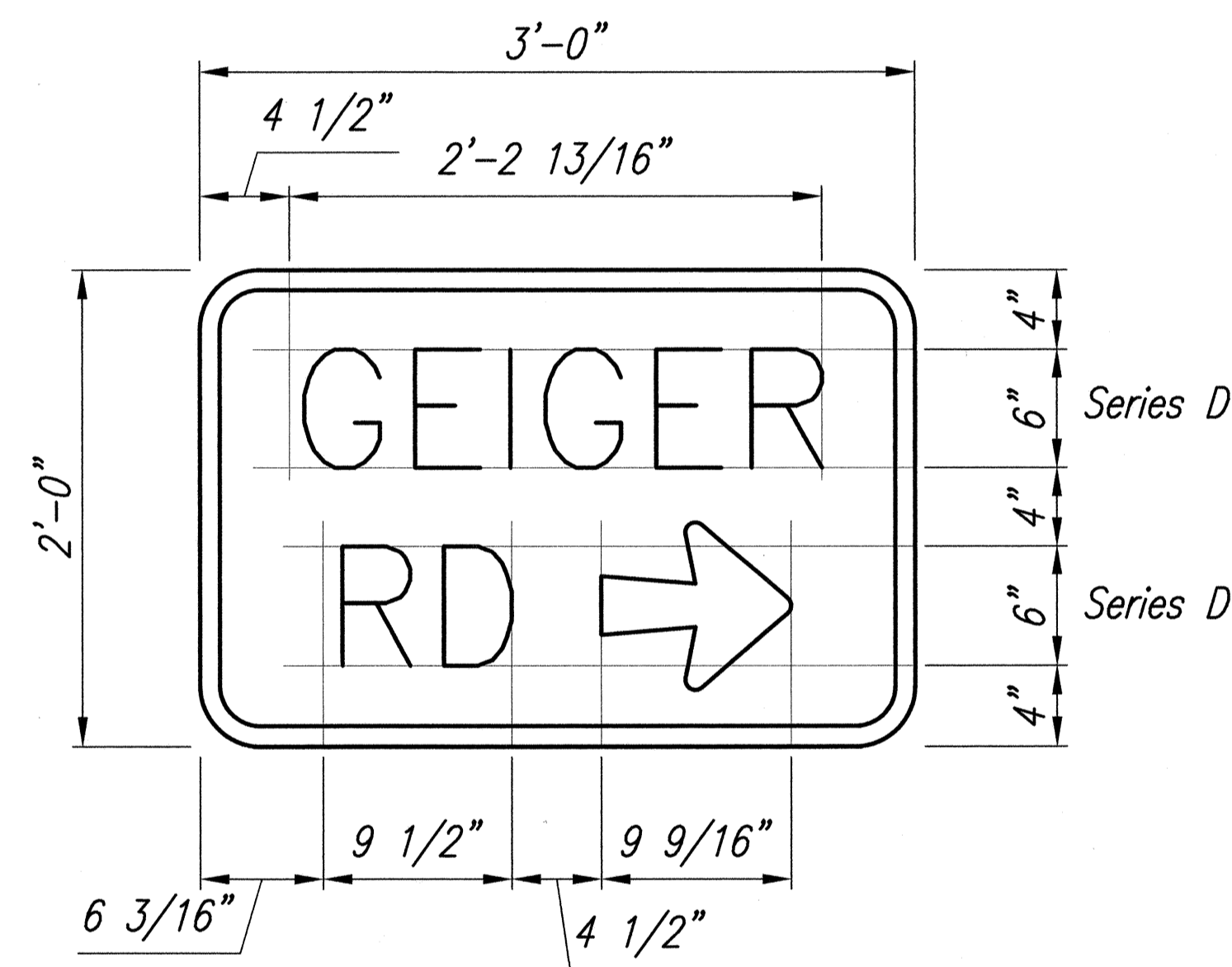
SN-1(L)
SN-1(R) - similar



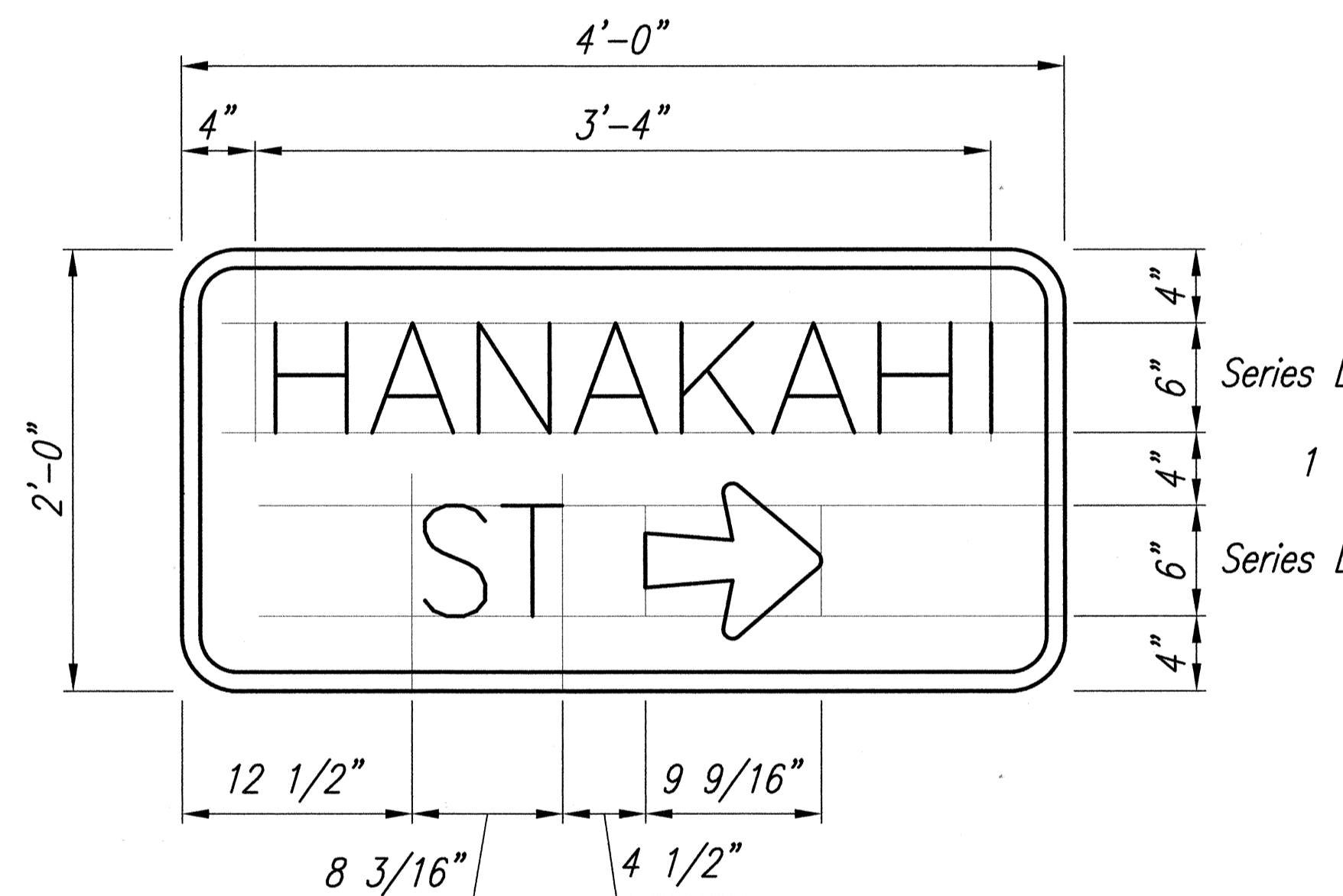
SN-2(R)
SN-2(L) - similar



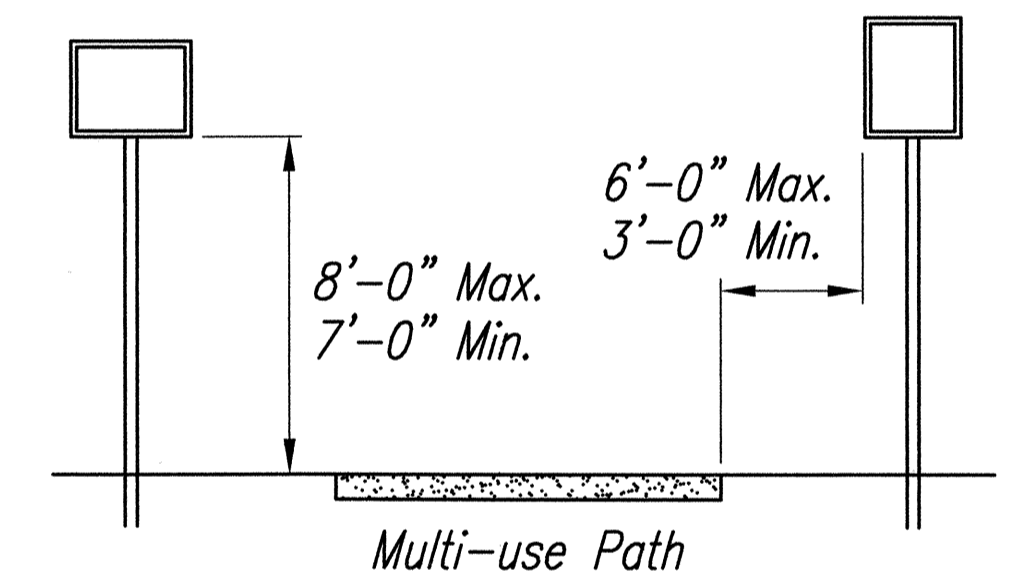
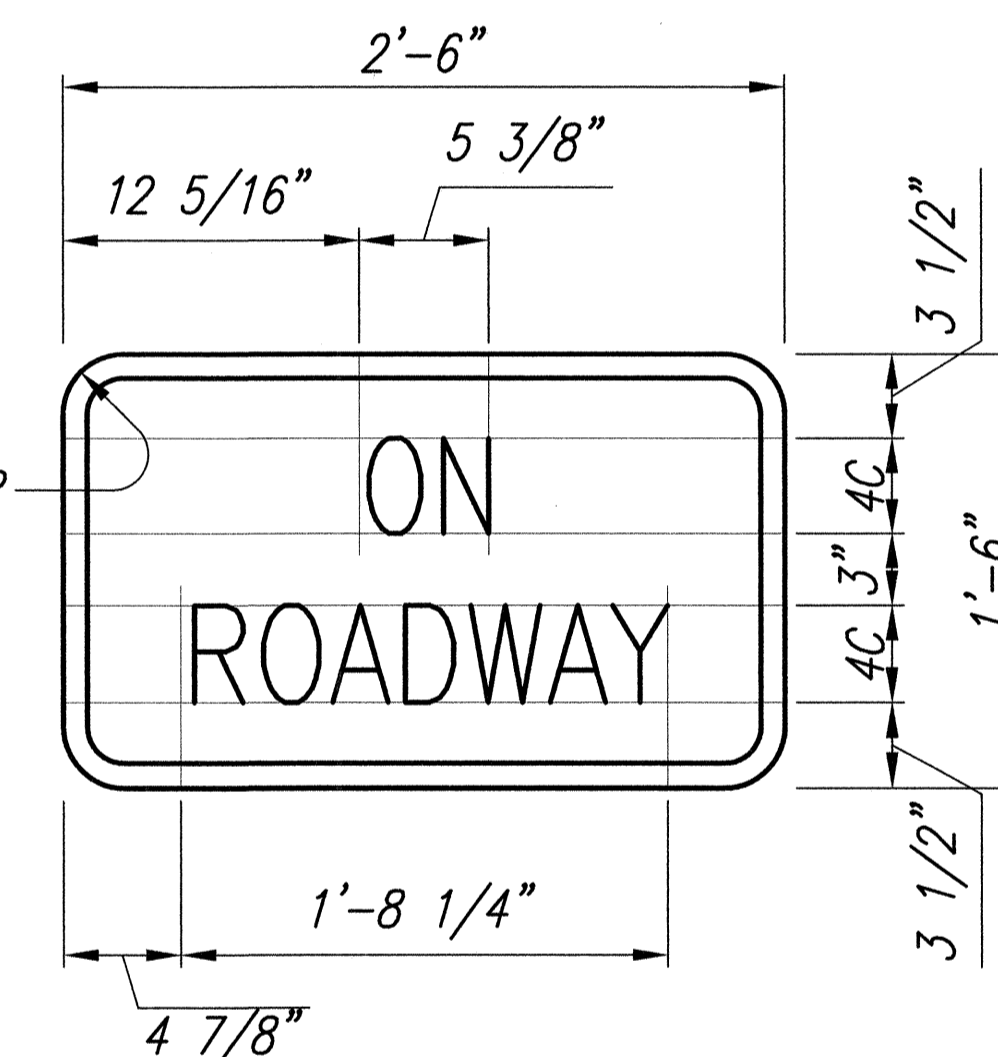
SN-3(R)
SN-3(L) - similar



SN-3(R)
SN-3(L) - similar



SN-4(R)
SN-4(L) - similar



SIGN LOCATION FOR MULTI-USE PATHS
Not to Scale

Street Name Sign Notes:

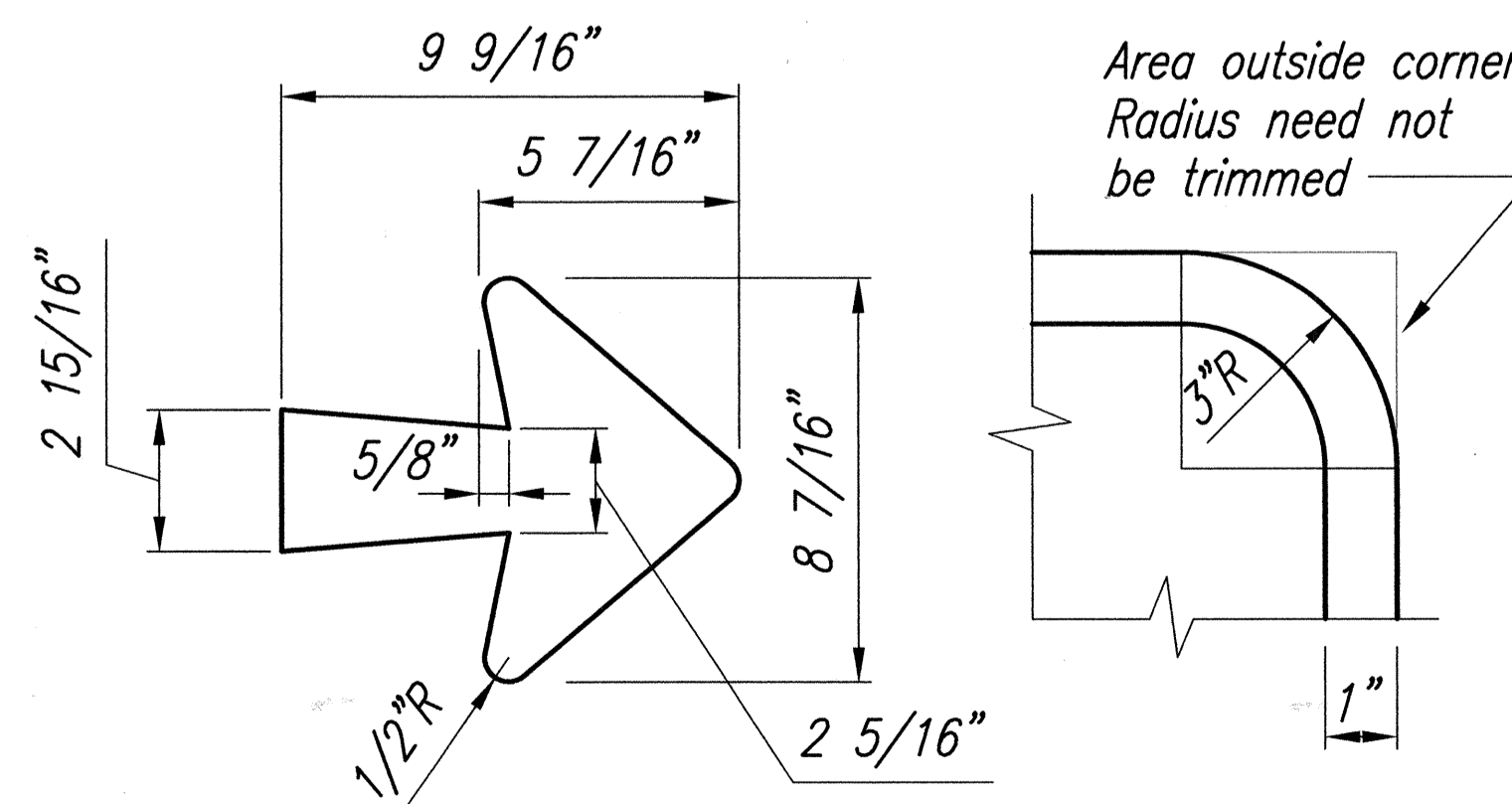
1. Street name signs () shall conform to the latest FHWA publications: "Manual on Uniform Traffic Control Devices for Streets & Highways" and as amended "Standard Alphabets for Highway Signs."

2. Letters:
Series D Upper Case
Color:

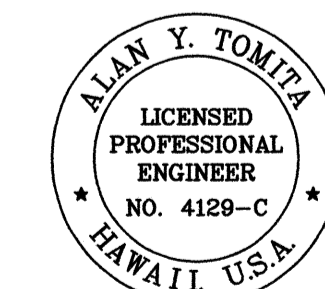
Letters, Borders, Arrows - White Reflective Sheeting on Demountable Aluminum Cut-Outs fastened to Sign Panel with Aluminum Blind Rivets.

3. If splicing if Sign Panel is Necessary, Contractor shall submit splice details to Engineer for approval.

4. For Typical Frame Layout and Mounting Details, See Plan Sheet "Unbalanced Sign Installation."



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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNAGE DETAILS

FORT WEAVER ROAD RESURFACING
N. of Lualunui St. to the Vicinity of Hanakahi St.
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