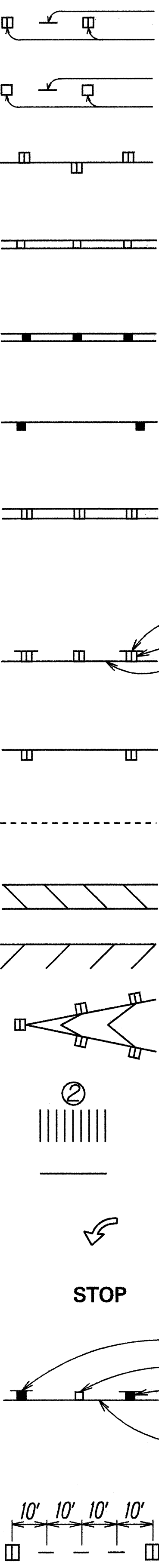


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	25	37

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)

STOP

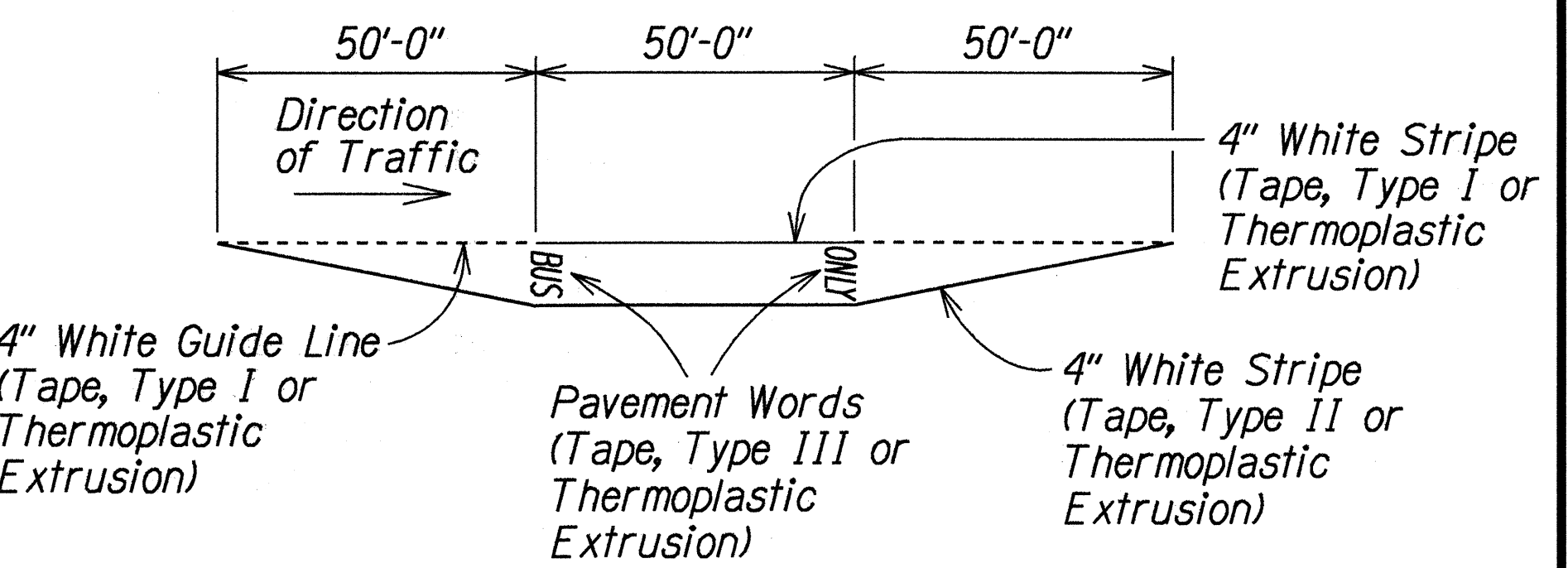
Pavement Word (Tape, Type III or Thermoplastic Extrusion)

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)

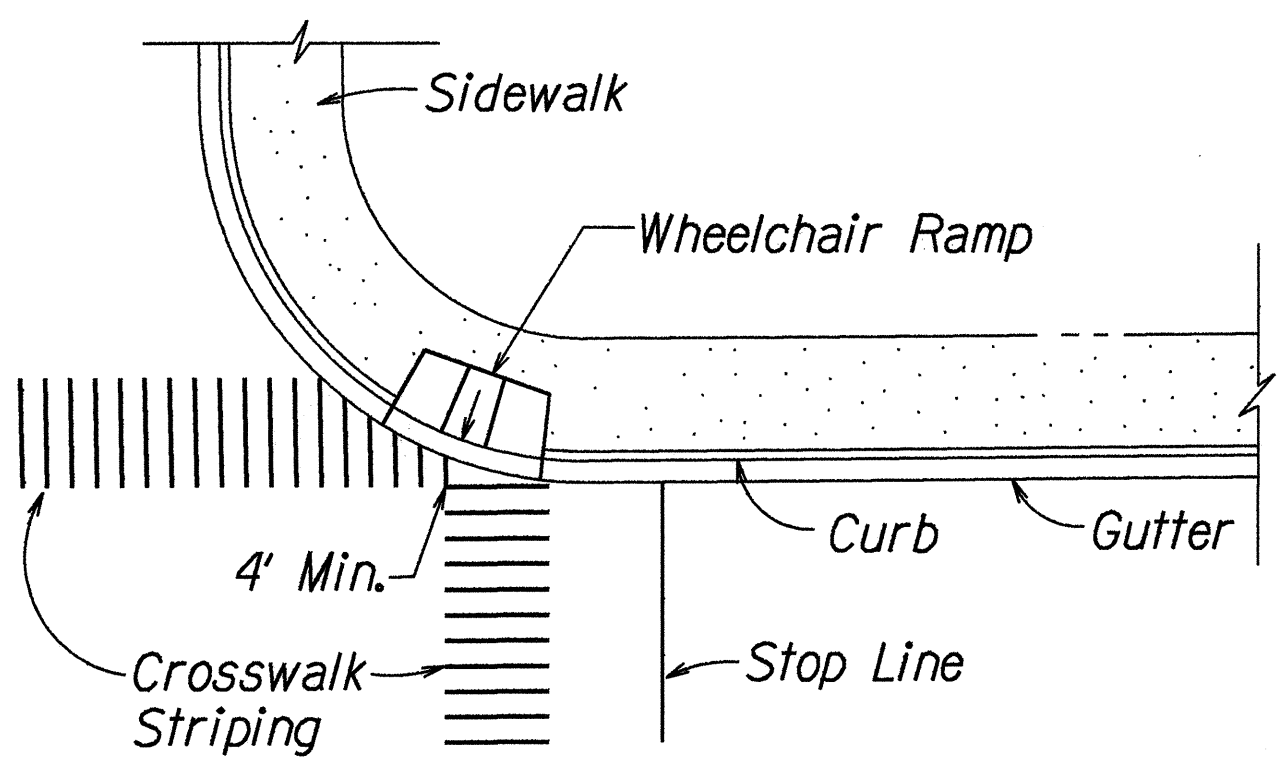
NOTES

- 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.
- 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.
- Curb marking shall include top and front face of curb.
- Backing for all new Regulatory and Warning Signs shall not be spliced.
- All sign panels shall conform to Section 621 of 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"
- Border, messages, arrows, symbols and shields 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 feet, abutting edges of panels shall be in only one direction if vertical abutting edges are used, no horizontal abutting edges shall be allowed and vice versa.
- All new and relocated signs and markers installed on pipe posts, light standard or expressway sign post are to be mounted with band brackets and steel braces.
- Final location of all sign post installed within the sidewalk areas shall maintain a minimum clear width of 36 inches from sidewalk edge to provide for wheelchair accessibility.
- All existing sign post(s) to remain within the sidewalk area shall meet the minimum clear width of 36 inches from the sidewalk edge. Where necessary, the existing sign post(s) shall be relocated to meet the minimum clear width. This work shall not be paid for separately but shall be considered incidental to the various signing items.
- Removing existing signs and reinstalling on new post shall not be paid for separately, but shall be considered incidental to the various signing items.



TYPICAL BUS BAY STRIPING

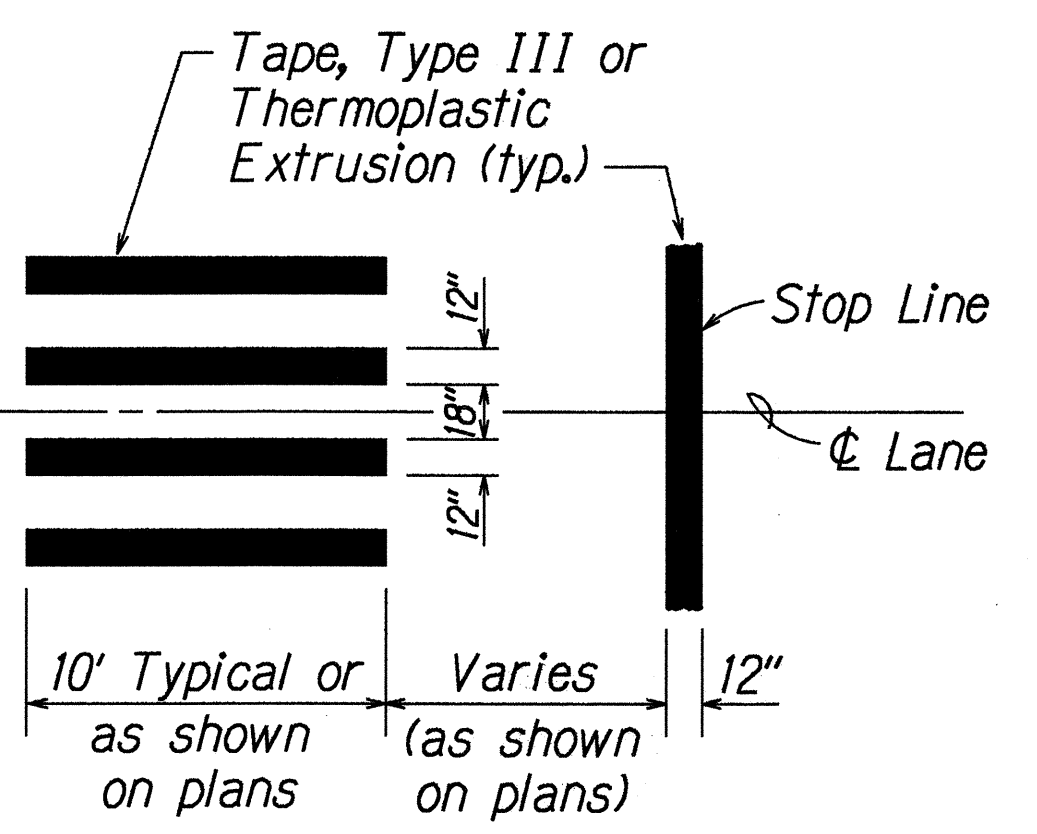
Not to Scale



TYPICAL CROSSWALK STRIPING

AT WHEELCHAIR RAMP

Not to Scale



CROSSWALK STRIPING DETAIL

Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING

LEGEND, DETAILS & NOTES

FARRINGTON HIGHWAY RESURFACING

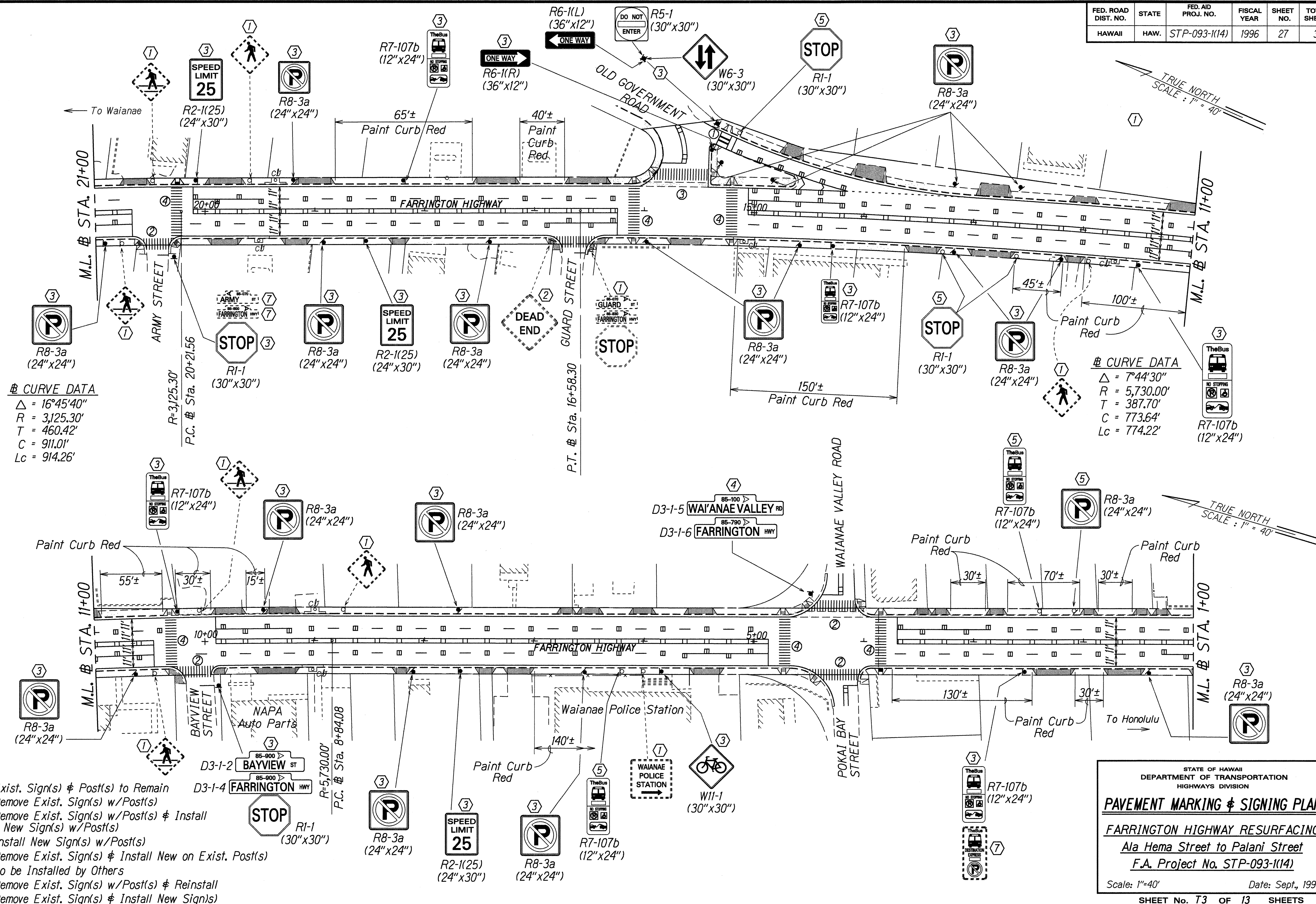
Ala Hema Street to Palani Street

F.A. Project No. STP-093-1(14)

Not to Scale Date: Sept., 1995

SHEET No. 71 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	27	37



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

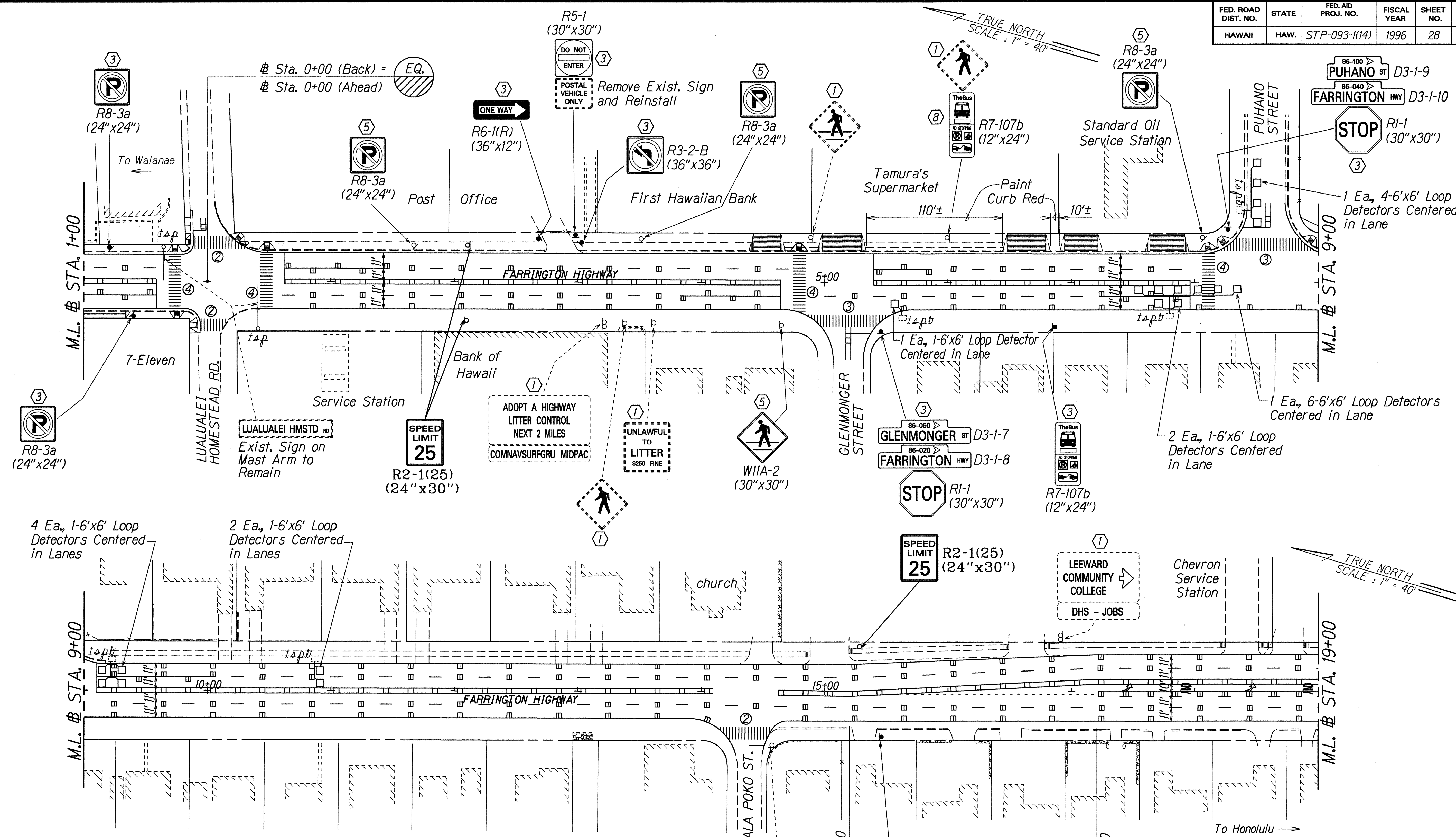
PAVEMENT MARKING & SIGNING PLAN

FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)

Scale: 1"=40' Date: Sept., 1995

SHEET No. 73 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	28	37



- 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 Sign(s) w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑤ Remove Exist. Sign(s) & Install New on Exist. Post(s)
 - ⑥ To be Installed by Others
 - ⑦ Remove Exist. Sign(s) w/Post(s) & Reinstall
 - ⑧ Remove Exist. Sign(s) & Install New Sign(s)

LEGEND FOR AS-BUILT POSTINGS

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

SURVEY PLOTTED BY	DATE
DRAWN BY	2/1/95
TRACED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

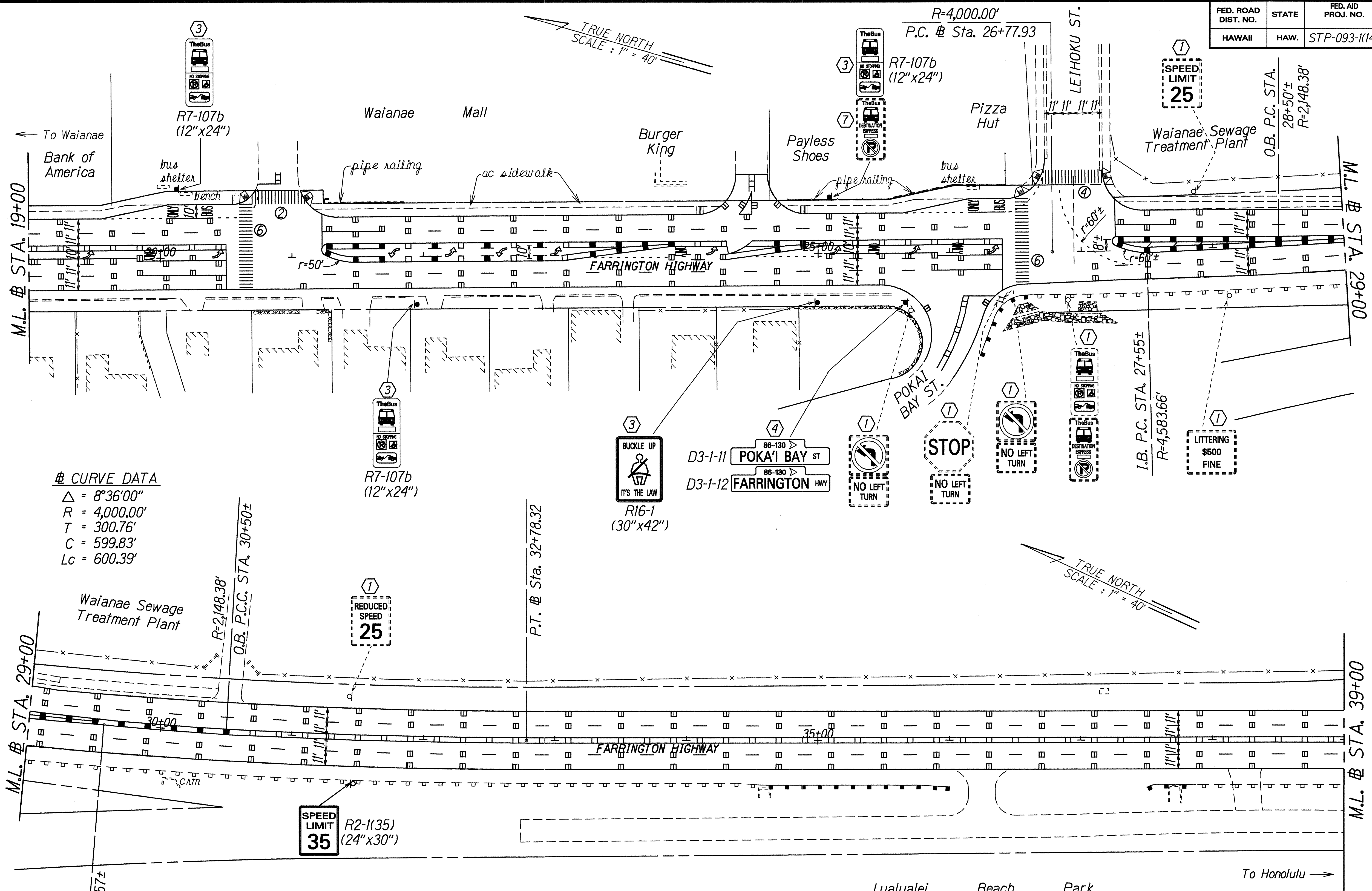
PAVEMENT MARKING & SIGNING PLAN

FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)

Scale: 1"=40' Date: Sept., 1995

SHEET No. 14 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	29	37



△ CURVE DATA
 $\Delta = 8^{\circ}36'00''$
 $R = 4,000.00'$
 $T = 300.76'$
 $C = 599.83'$
 $Lc = 600.39'$

- 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 Sign(s) w/Post(s)
 - ④ Install New Sign(s) w/Post(s)
 - ⑤ Remove Exist. Sign(s) & Install New on Exist. Post(s)
 - ⑥ To be Installed by Others
 - ⑦ Remove Exist. Sign(s) w/Post(s) & Reinstall
 - ⑧ Remove Exist. Sign(s) & Install New Sign(s)

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

PAVEMENT MARKING & SIGNING PLAN

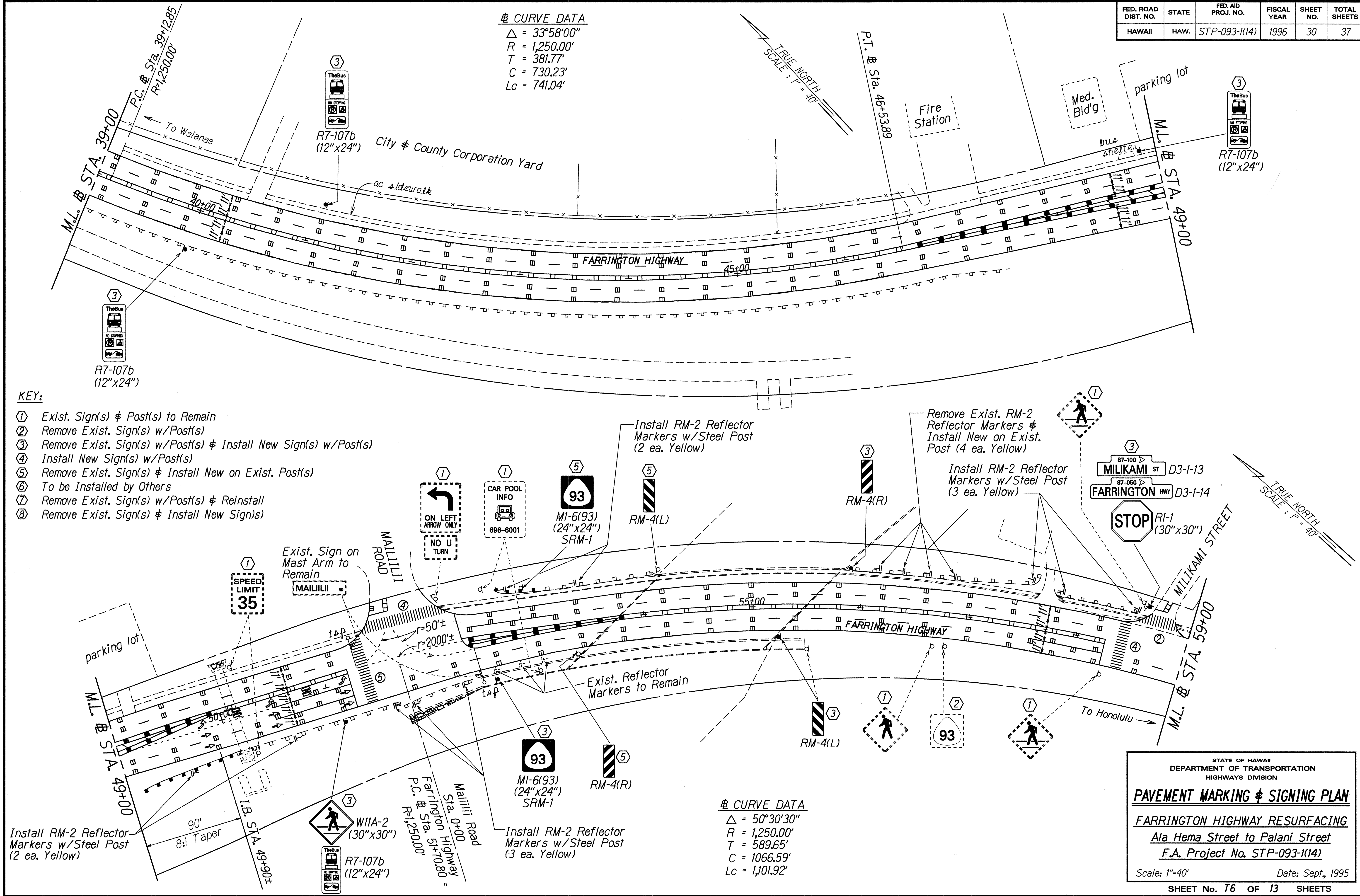
FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)

Scale: 1"=40' Date: Sept., 1995

SHEET No. 29 OF 37 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	2/7/95
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	30	37



SURVEY PLOTTED BY	DATE	2/8/95
DRAWN BY		
TRACED BY		
CHECKED BY		
ORIGINAL PLAN		
NOTE BOOK		
REVISIONS		
CHECKED BY		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

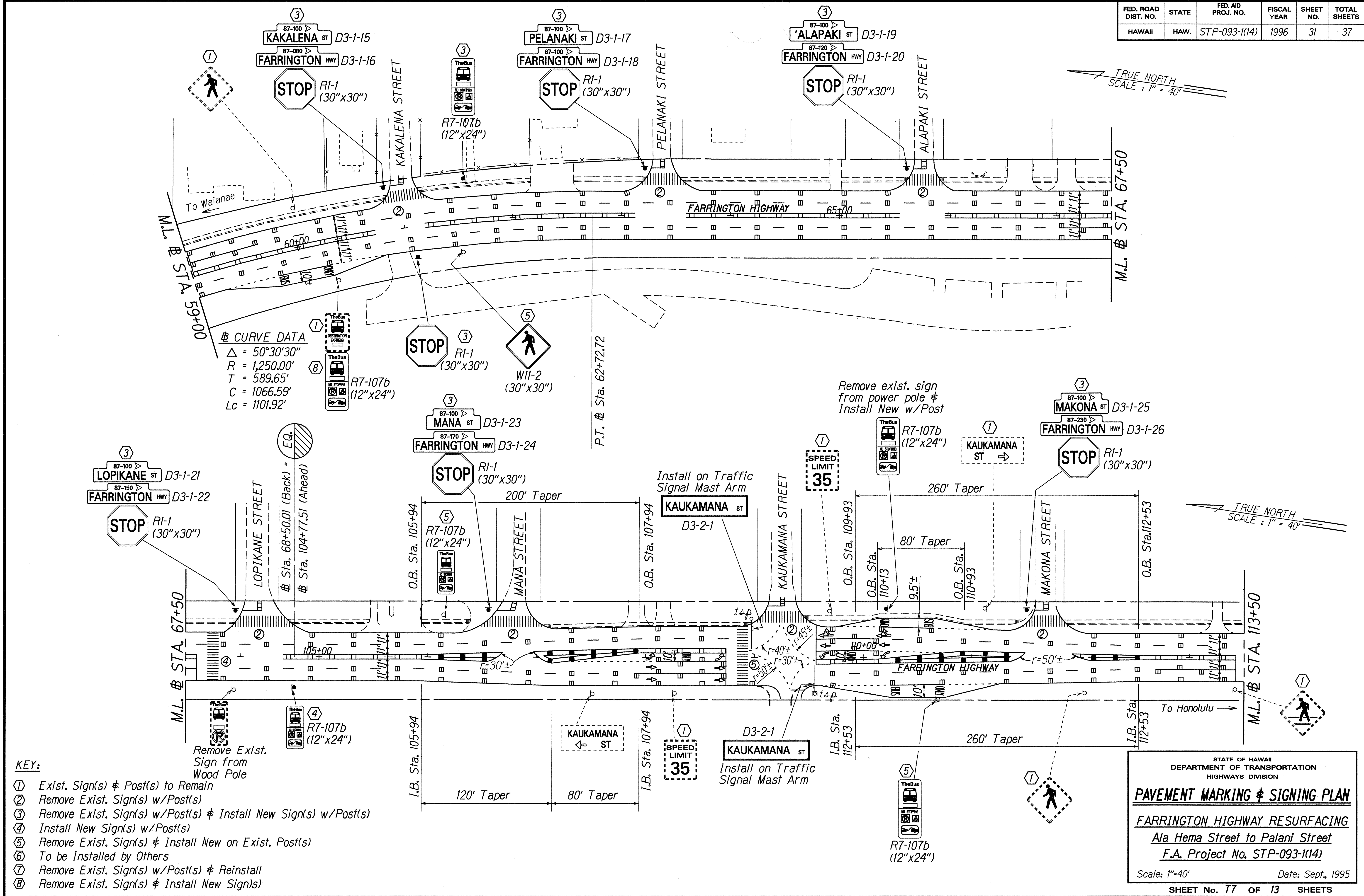
PAVEMENT MARKING & SIGNING PLAN

FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)

Scale: 1"=40' Date: Sept., 1995

SHEET No. 76 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	31	37



SURVEY PLOTTED BY	DATE
DRAWN BY	2/8/95
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
REVISION	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

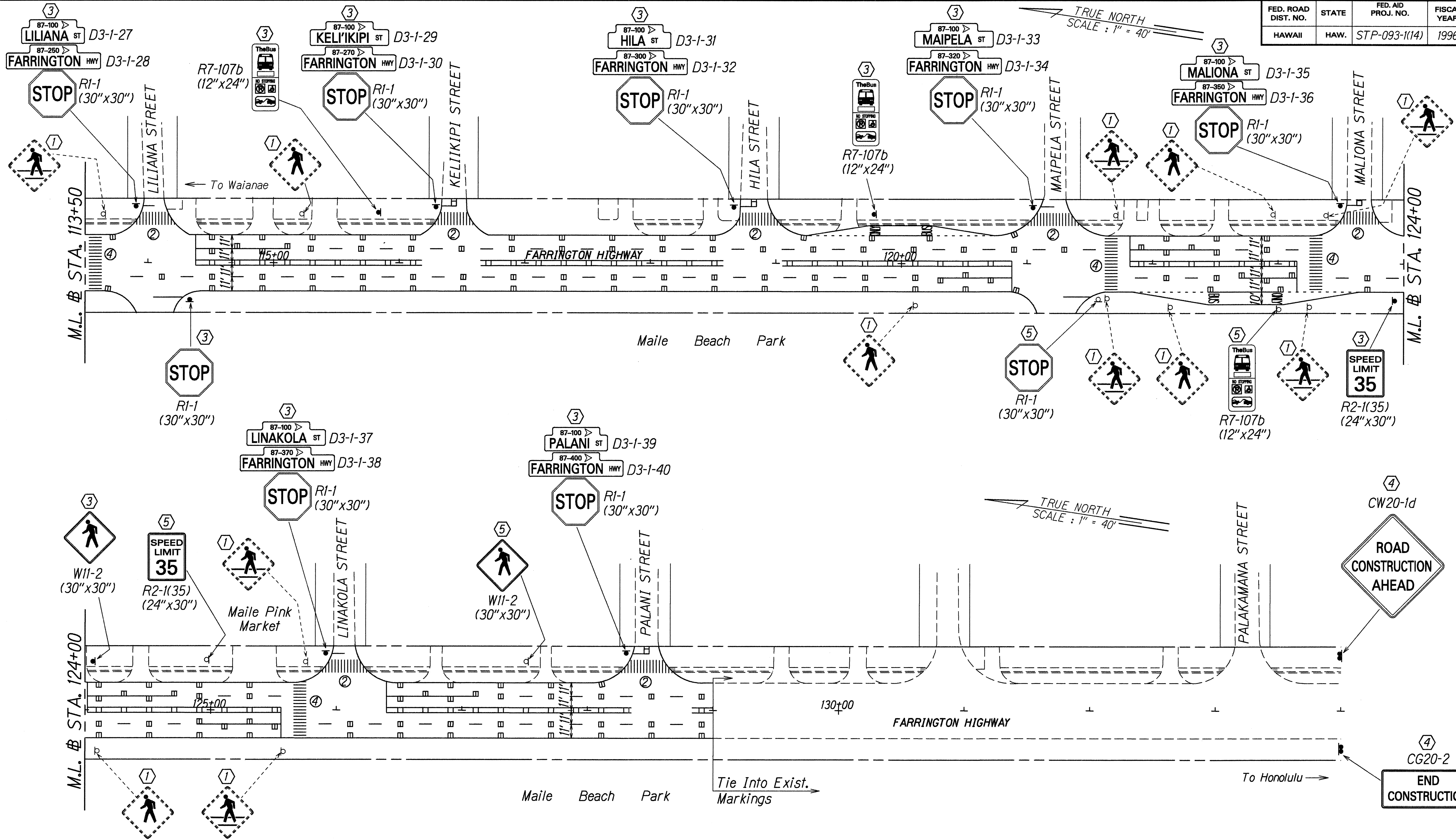
PAVEMENT MARKING & SIGNING PLAN

FARRINGTON HIGHWAY RESURFACING
 Ala Hema Street to Palani Street
 F.A. Project No. STP-093-1(14)

Scale: 1"=40' Date: Sept., 1995

SHEET No. 77 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	32	37



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 Sign(s) w/Post(s)
- ④ Install New Sign(s) w/Post(s)
- ⑤ Remove Exist. Sign(s) & Install New on Exist. Post(s)
- ⑥ To be Installed by Others
- ⑦ Remove Exist. Sign(s) w/Post(s) & Reinstall
- ⑧ Remove Exist. Sign(s) & Install New Sign(s)

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNING PLAN

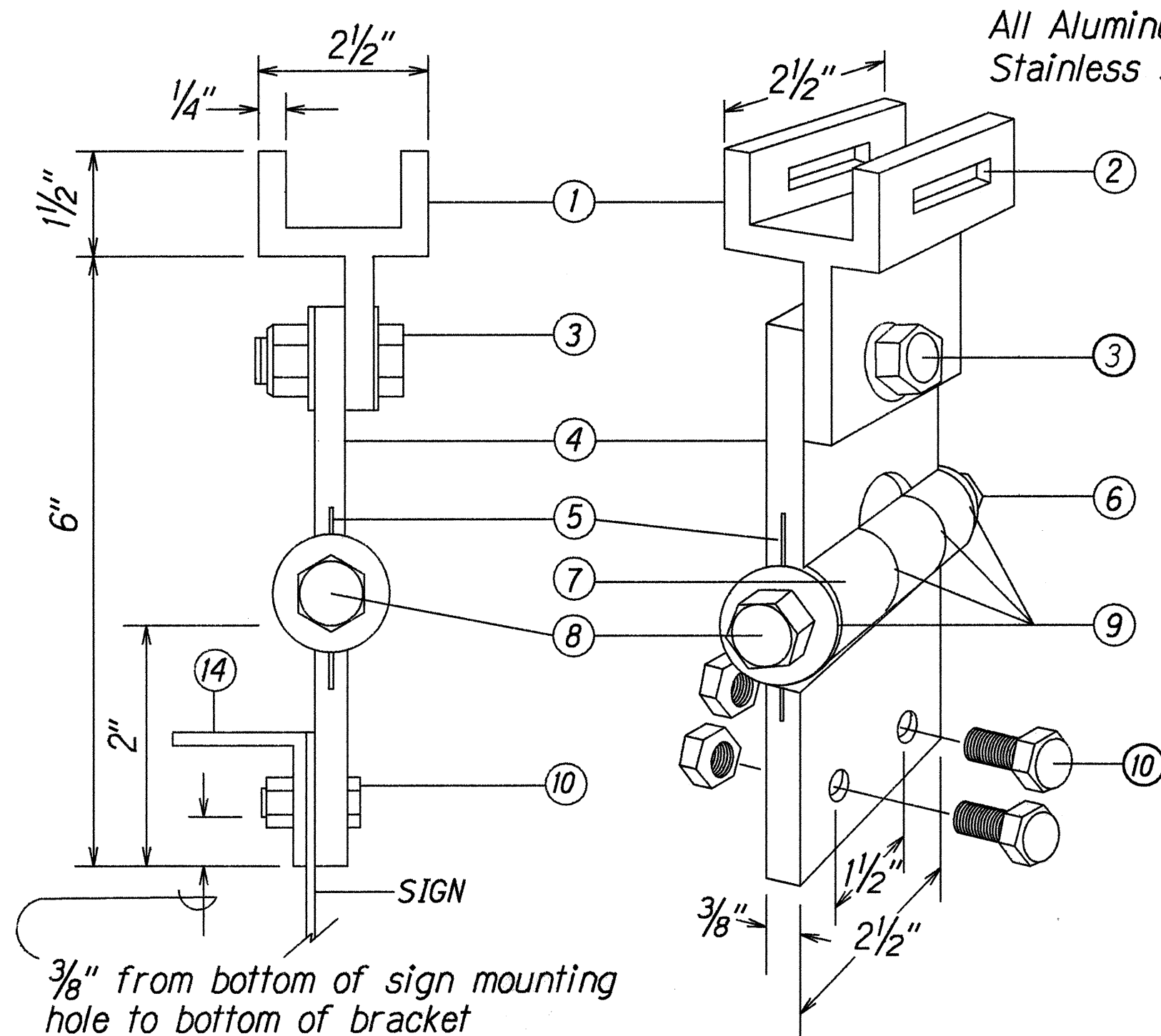
FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)

Scale: 1"=40' Date: Sept., 1995

SHEET No. T8 OF 13 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	2/28/95
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	

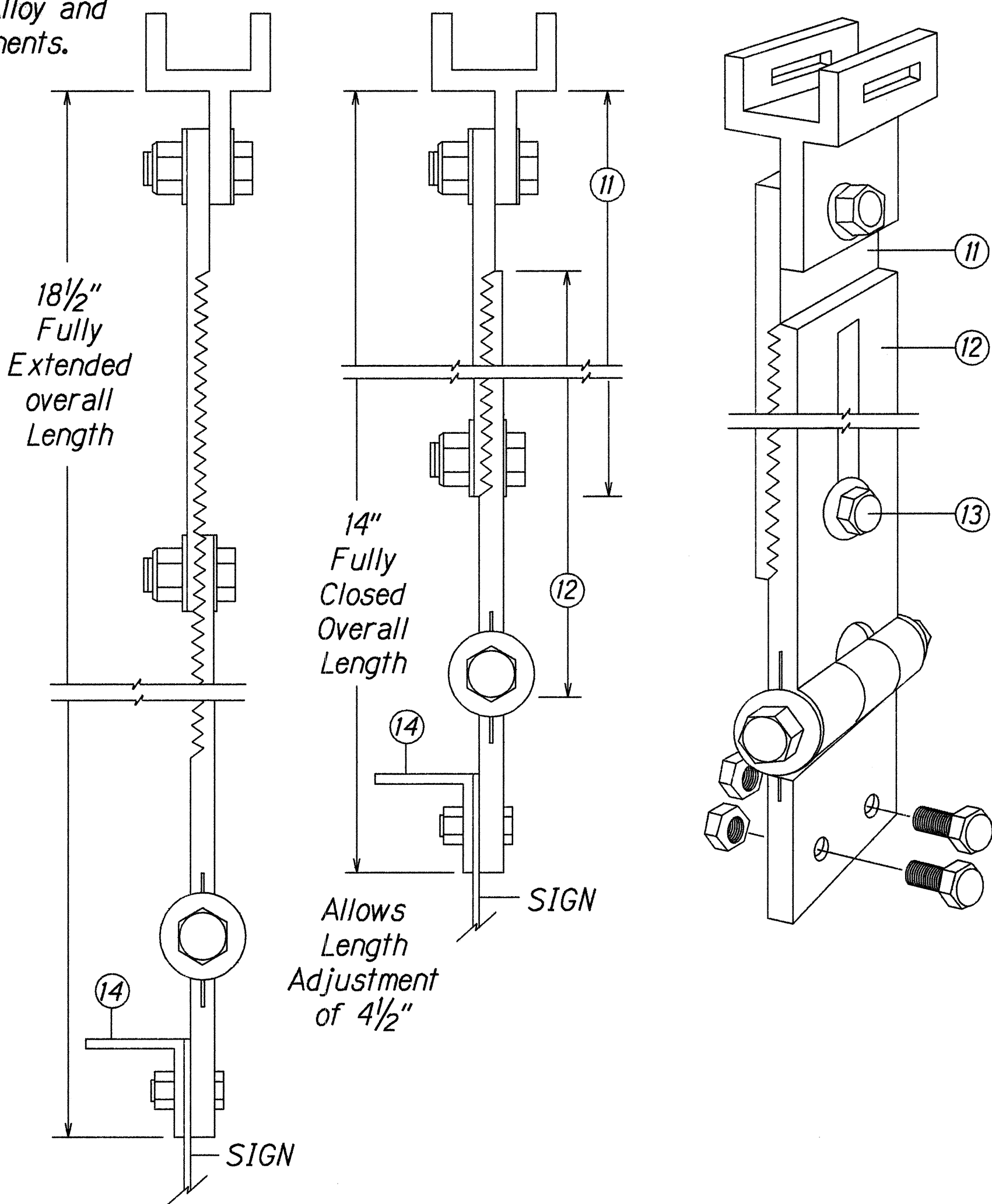
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	33	37



FIXED LENGTH NON-ADJUSTABLE
SWING SIGN BRACKET

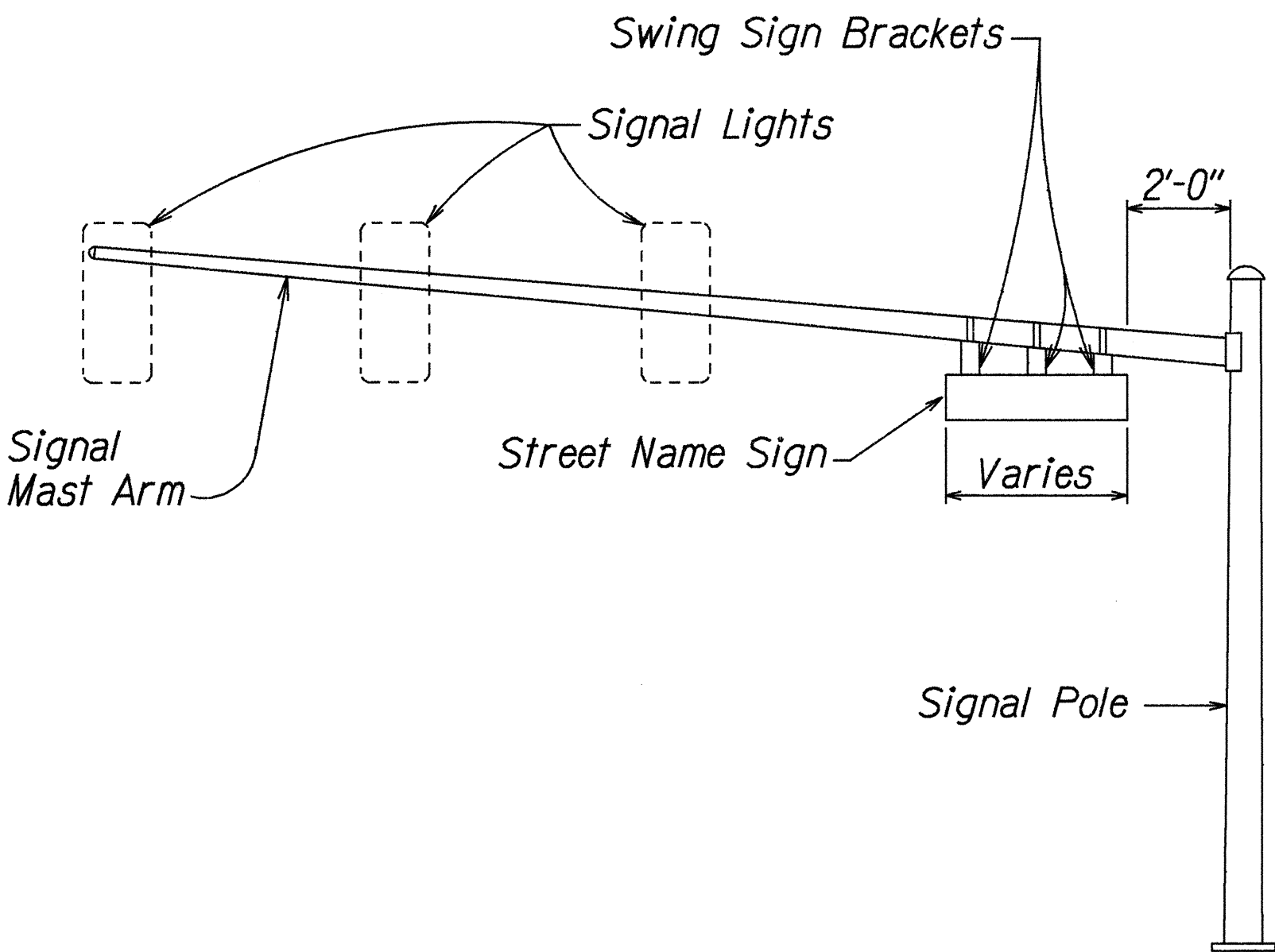
- ① Pivotal Upper Bracket
- ② 1 5/8" x 1/4" Slot for double strapping to electrolier mast arm. (M2G-34S(HD) .030" x 3/4" Heavy Duty Stainless Steel Strap with M2G-34B(HD) Buckle recommended.)
- ③ 1/2" - 13 x 1 1/2" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washer (both sides). Allows upper bracket to pivot and align with electrolier mast arm.
- ④ 6" Overall drop with Fixed Length Sign Bracket
- ⑤ Stainless Steel Dampener Spring (Removable)
- ⑥ Stainless Steel Hex Lock Nut with 1/16" Stainless Steel Washer
- ⑦ 1" O.D. Axle Housing
- ⑧ 1/2" - 13 x 4" Stainless Steel Hex Head Bolt with 1/16" Stainless Steel Washer
- ⑨ Oilite Bushing
- ⑩ Sign Mounting Sets, consisting of two each 5/16" - 18 x 1" Stainless Steel Hex Head Bolt with Stainless Steel Hex Lock Nut. Two holes on 1 1/2" centers provide positive lock sign mounting to bracket.

All Aluminum 6061T6 Alloy and
Stainless Steel Components.

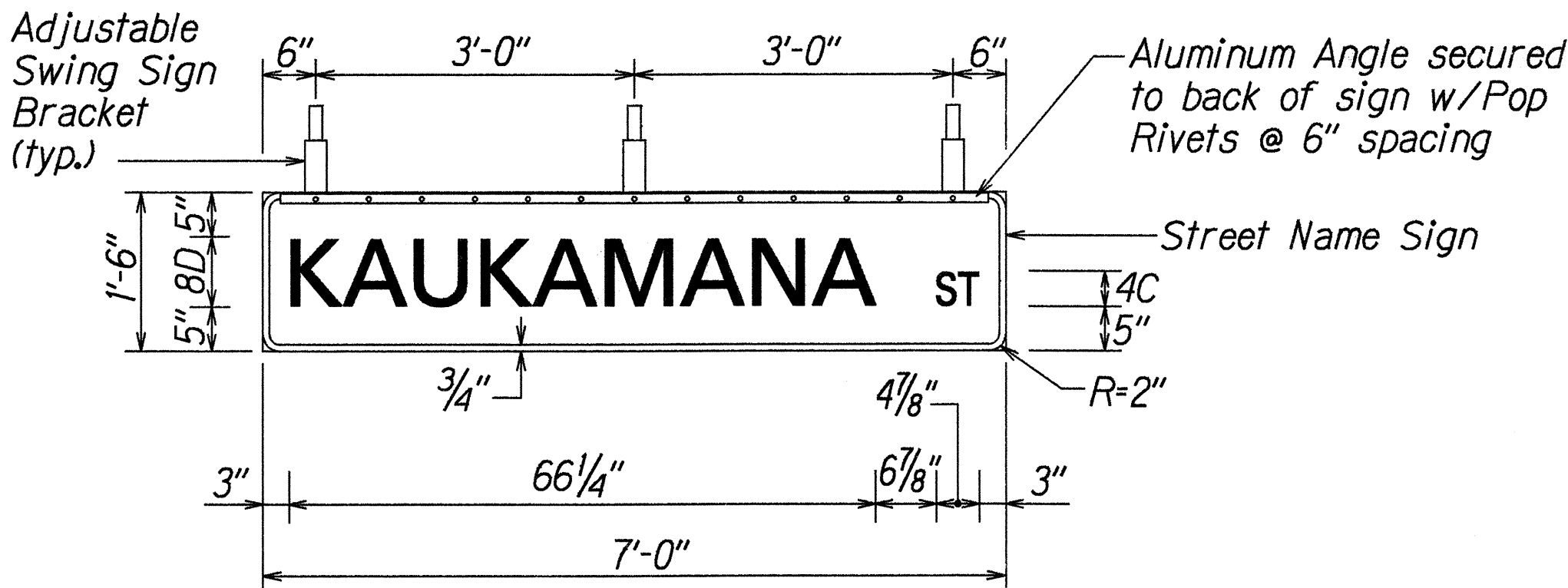


ADJUSTABLE LENGTH
SWING SIGN BRACKET

- ⑪ 8 1/4" overall length Upper Adjustable Sign Bracket section
- ⑫ 9" overall length Lower Adjustable Sign Bracket section, including Axle Housing (8" overall length to top of Axle Housing)
- ⑬ 1/2" - 13 x 1 1/2" Stainless Steel Hex Bolt with Stainless Steel Hex Lock Nut and 1/16" Stainless Steel Washers (both sides). Loosen lock nut, adjust bracket teeth to level sign.
- ⑭ 1 1/4" x 1 1/4" x 1/8" Aluminum Angle



STREET NAME SIGN MOUNTING
ON MAST ARM



D3-2-1 (Rear View)

COLORS:
LEGEND: White (Ref.)
BACKGROUND: Green (Ref.)

PANEL & SWING BRACKET LAYOUT
FOR STREET NAME SIGN

NOTE: Provide the same
message on the front and
back side of the sign.

SURVEY PLOTTED BY	DATE
DRAWN BY	2/9/95
CHECKED BY	
QUANTITIES BY	
NOTED BY	
ORIGINAL PLAN	
NOTE BOOK	
FILED BY	
DATE	

Note: Dimensions may vary slightly.

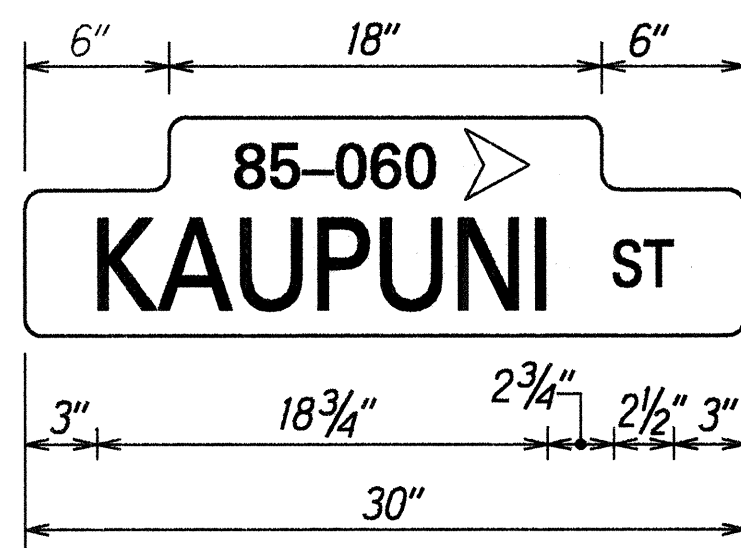
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SWING SIGN BRACKET DETAIL
FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)

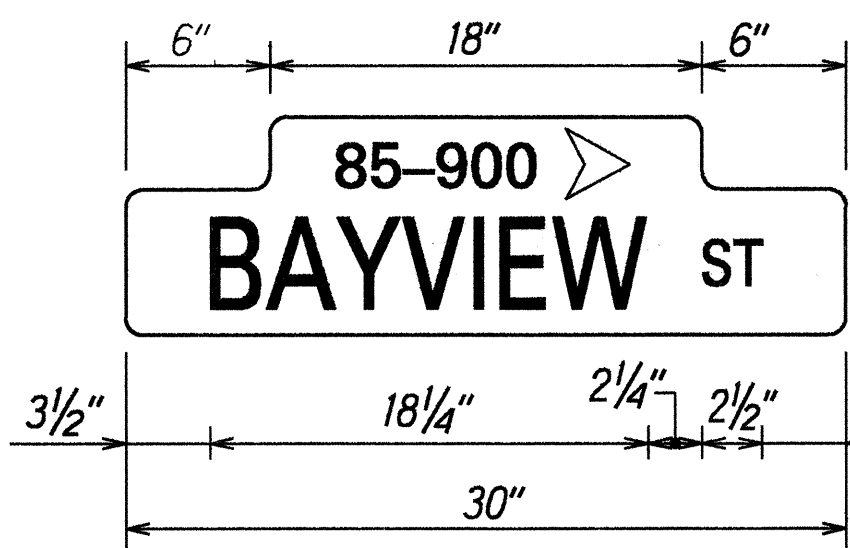
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Date: Sept., 1995

SHEET No. T9 OF 13 SHEETS

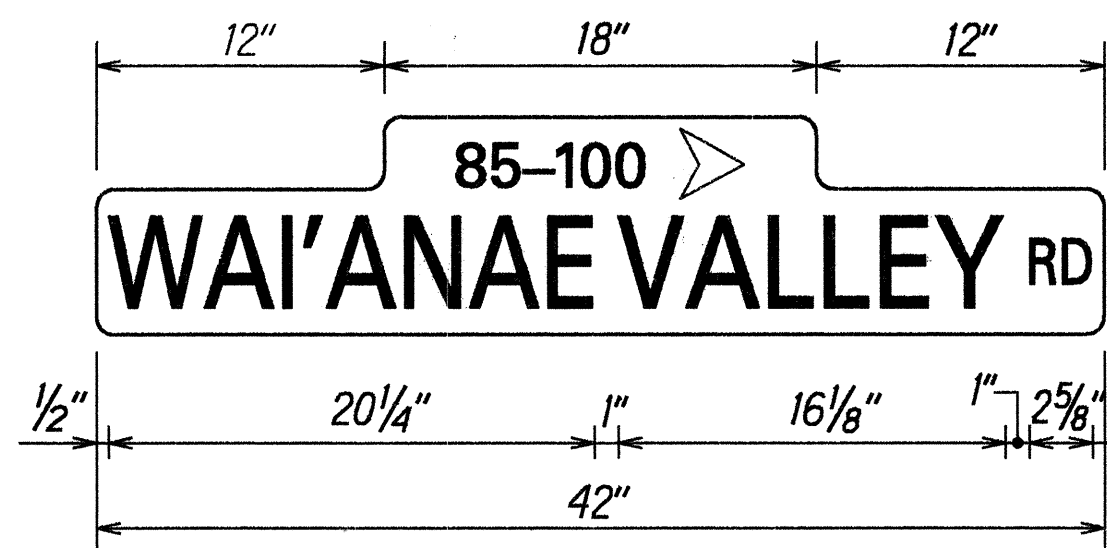
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	34	37



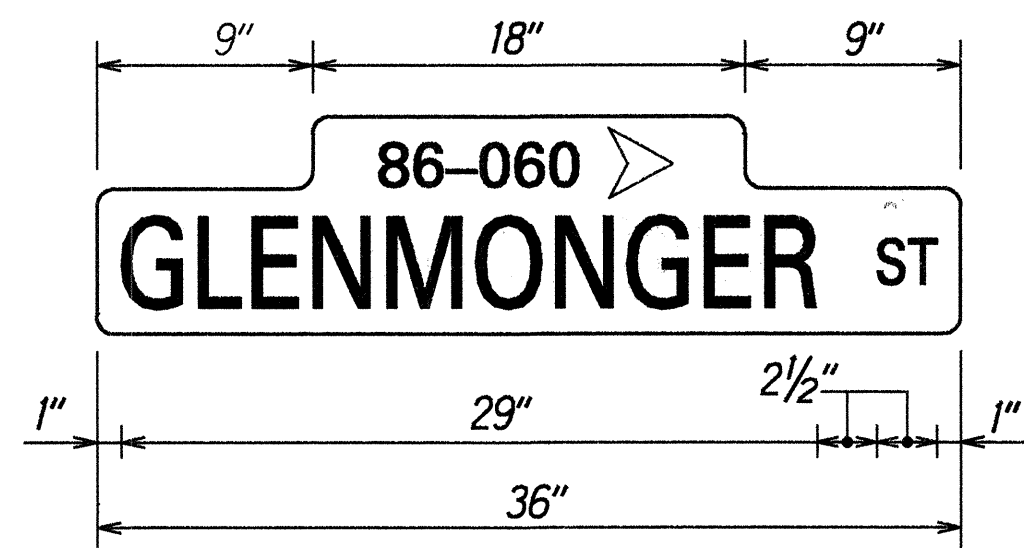
D3-1-1
Farr. Hwy. Block No. 85-750



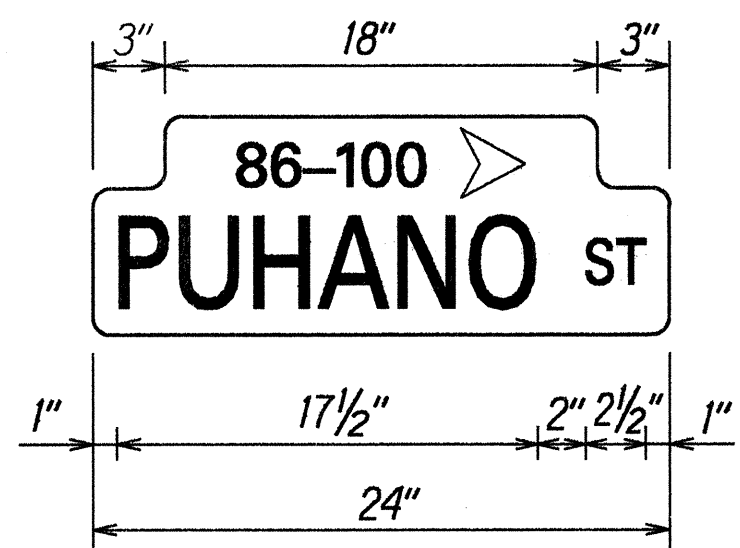
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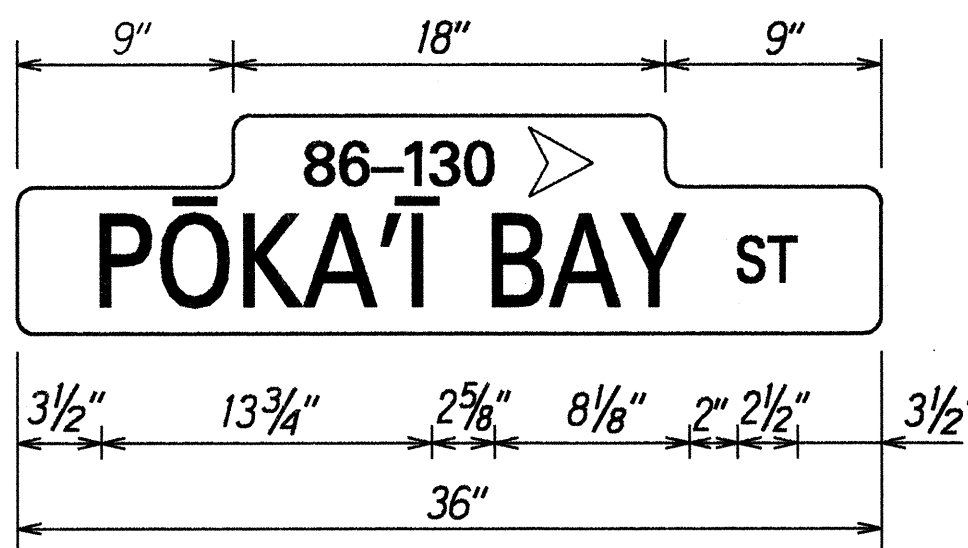
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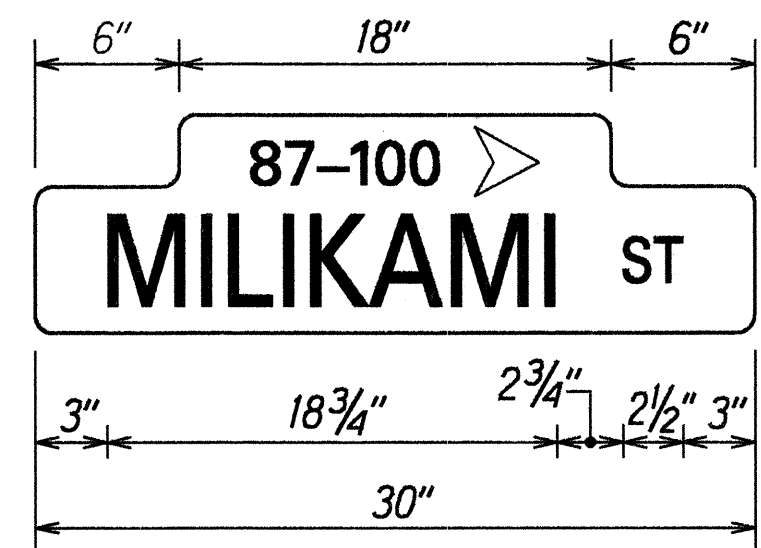
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Farr. Hwy. Block No. 86-020



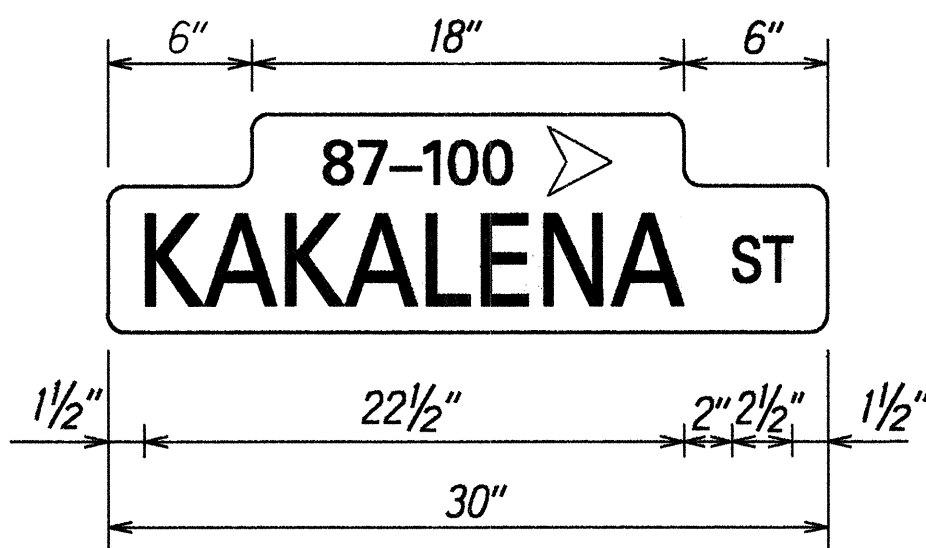
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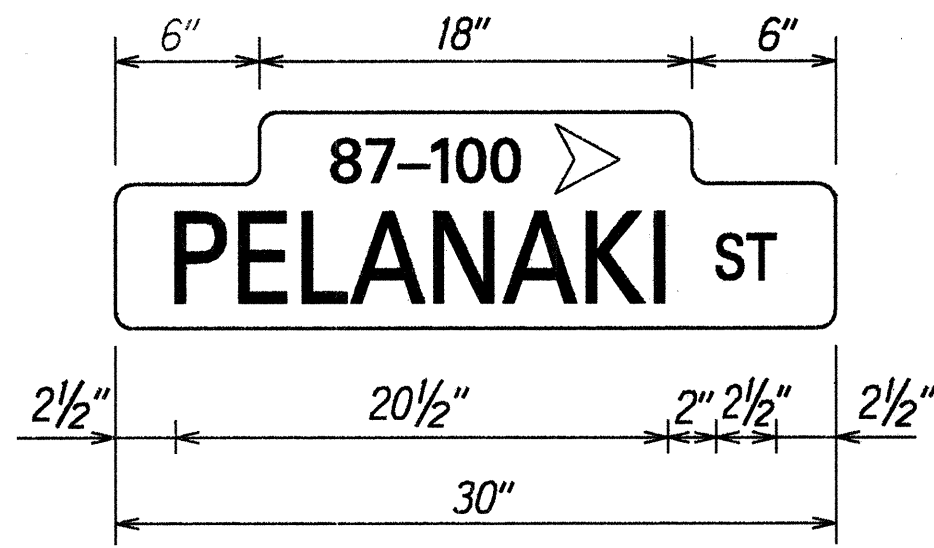
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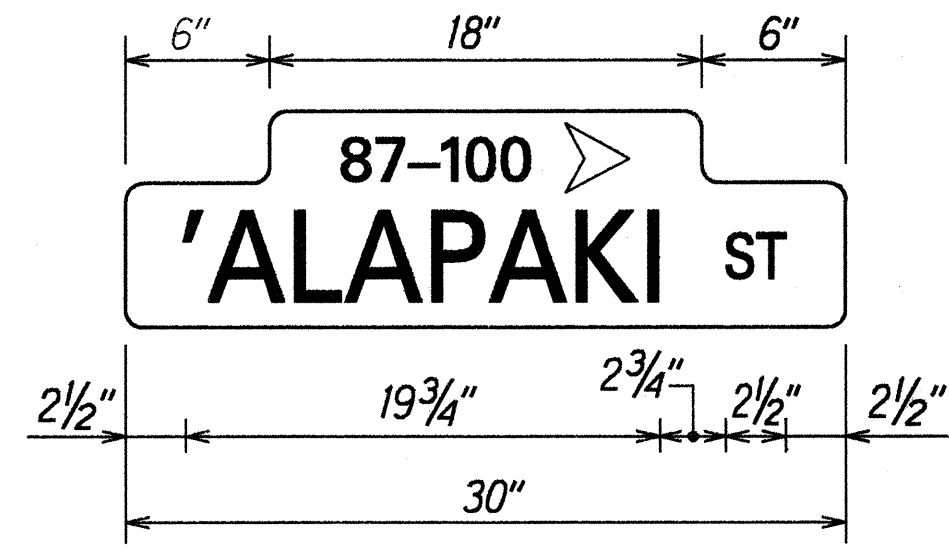
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Farr. Hwy. Block No. 87-050



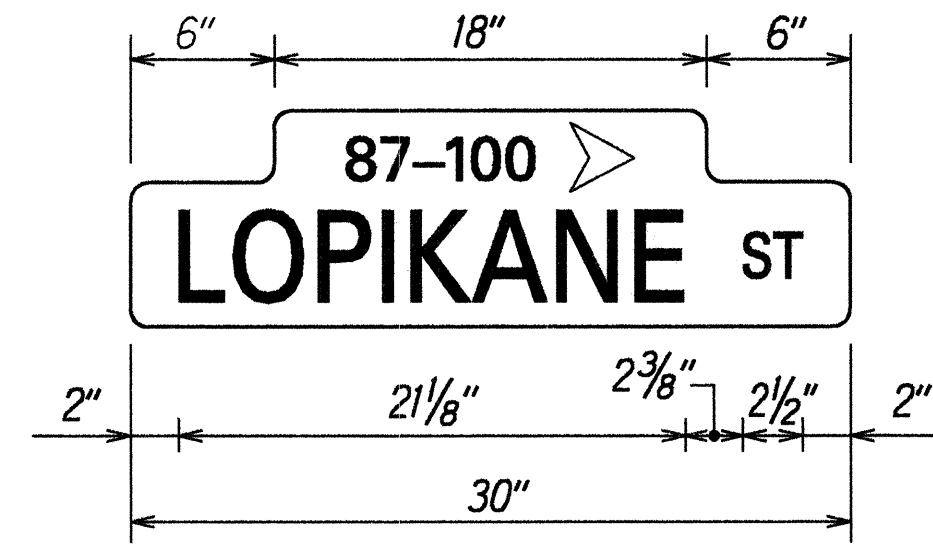
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Farr. Hwy. Block No. 87-080



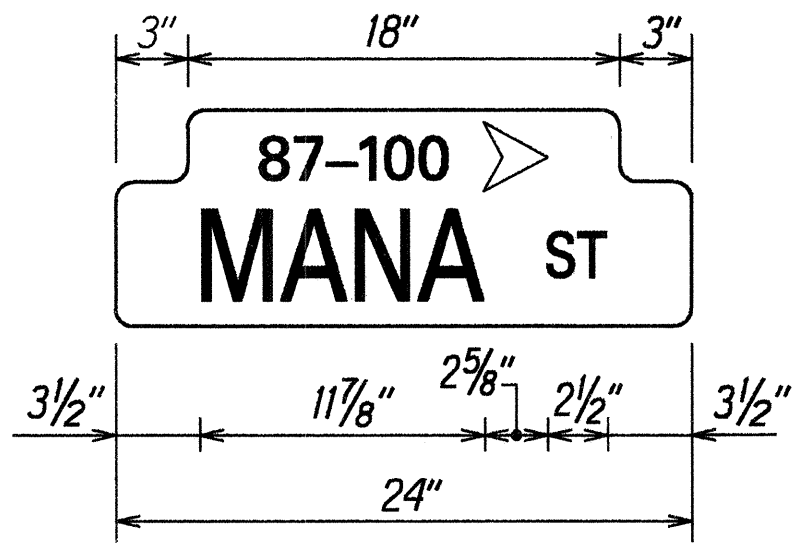
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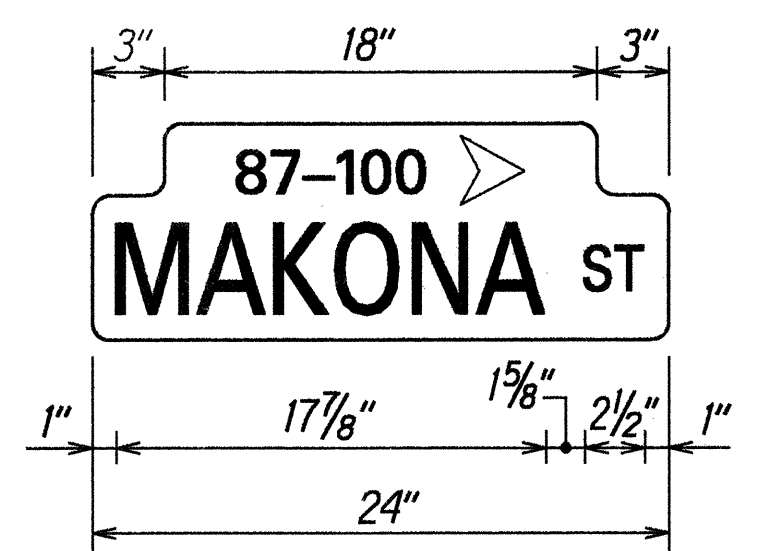
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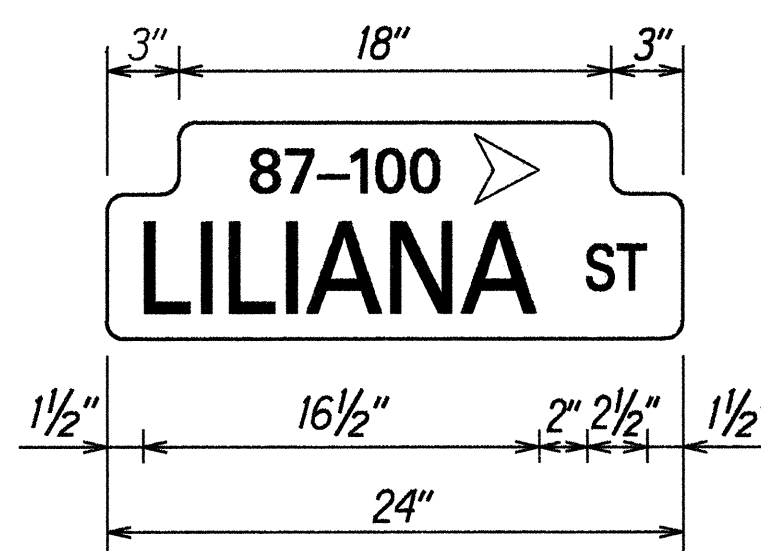
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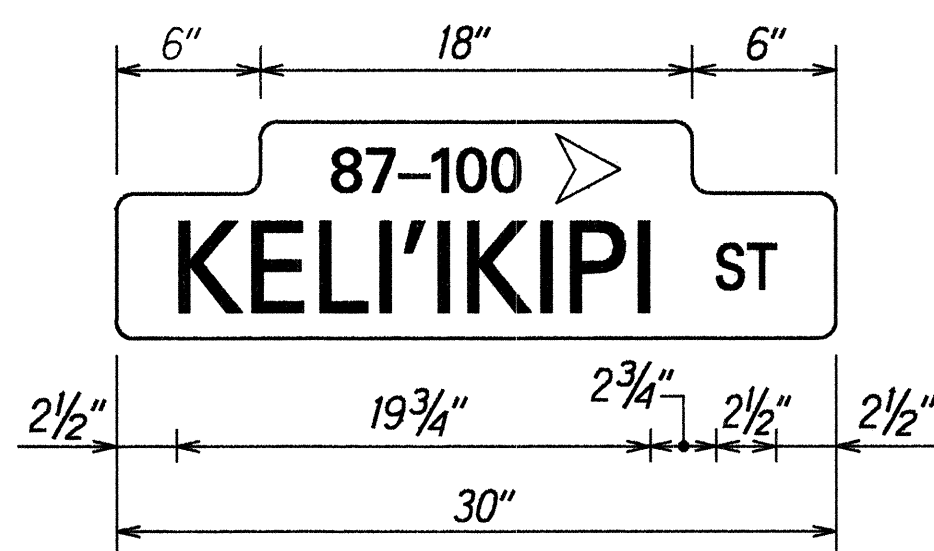
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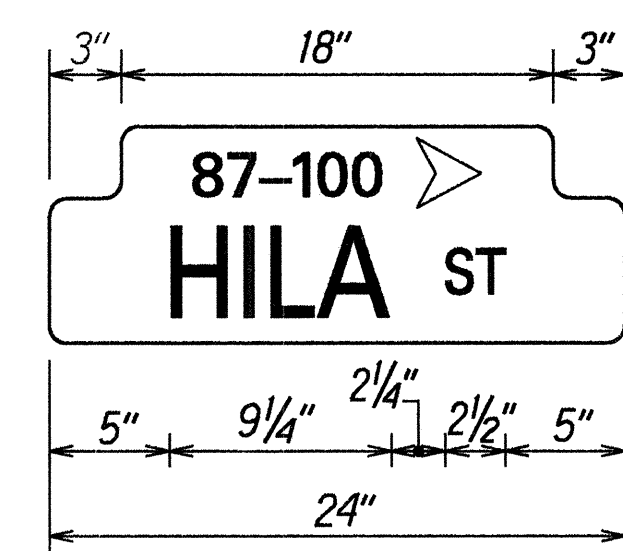
D3-1-25
Farr. Hwy. Block No. 87-230



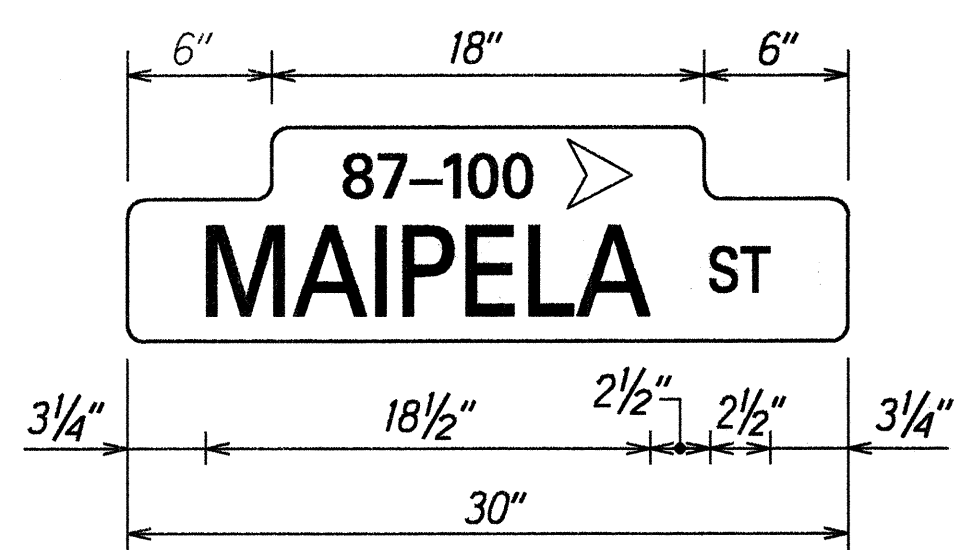
D3-1-27
Farr. Hwy. Block No. 87-250



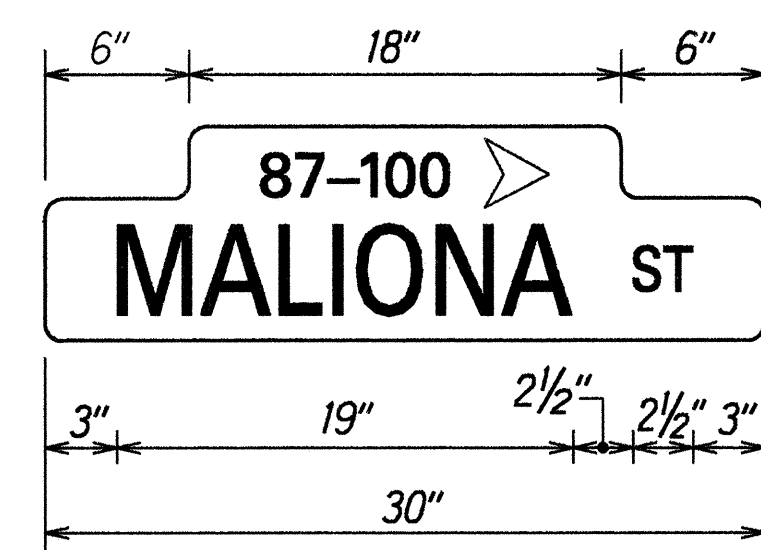
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Farr. Hwy. Block No. 87-270



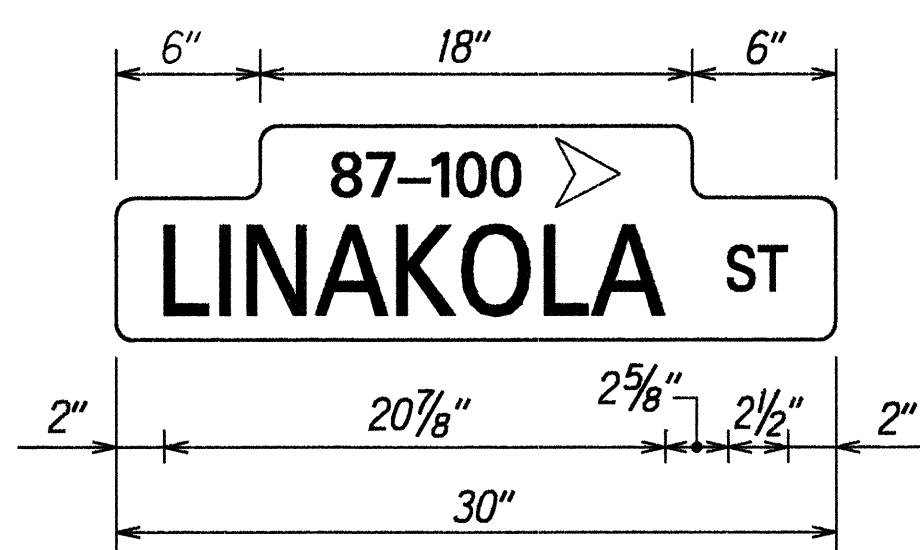
D3-1-31
Farr. Hwy. Block No. 87-300



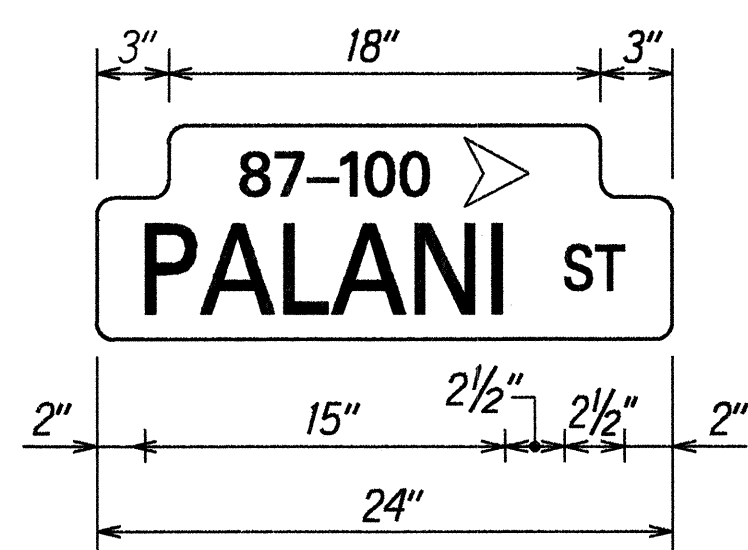
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Farr. Hwy. Block No. 87-320



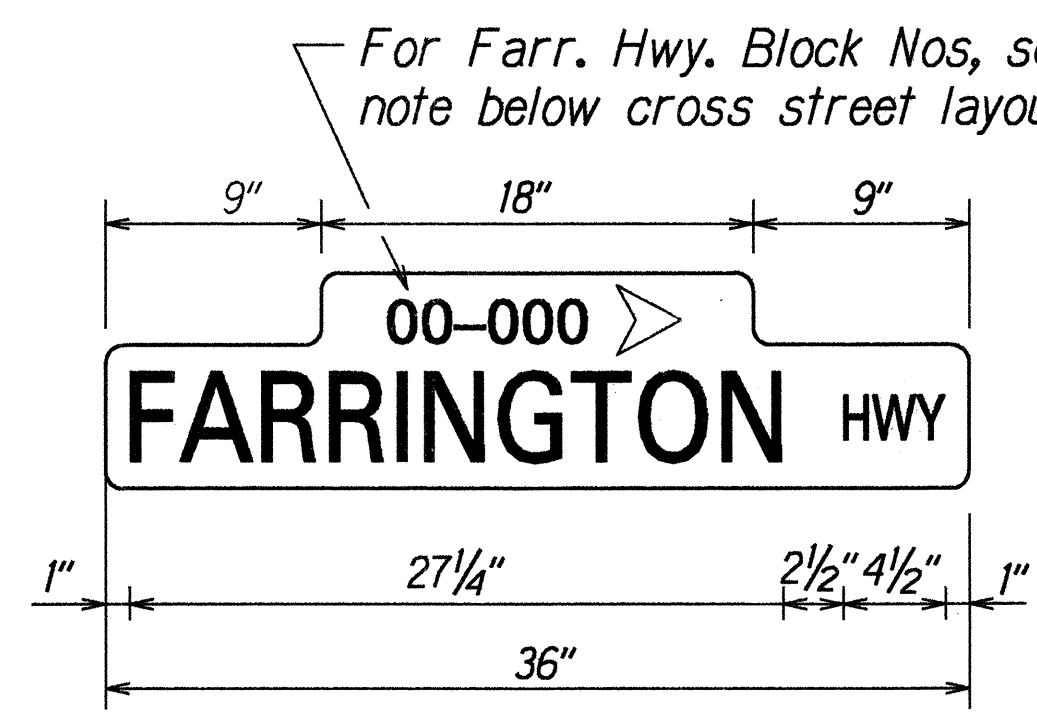
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Farr. Hwy. Block No. 87-350



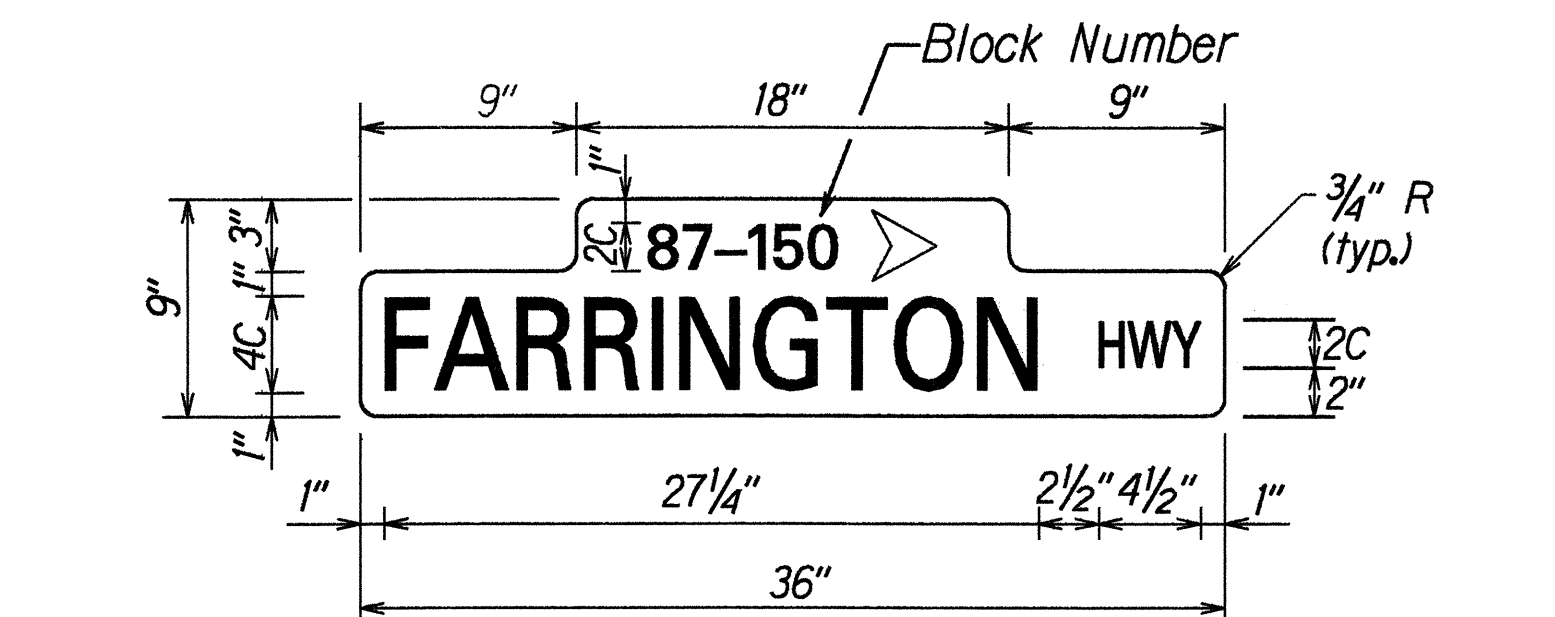
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Farr. Hwy. Block No. 87-370



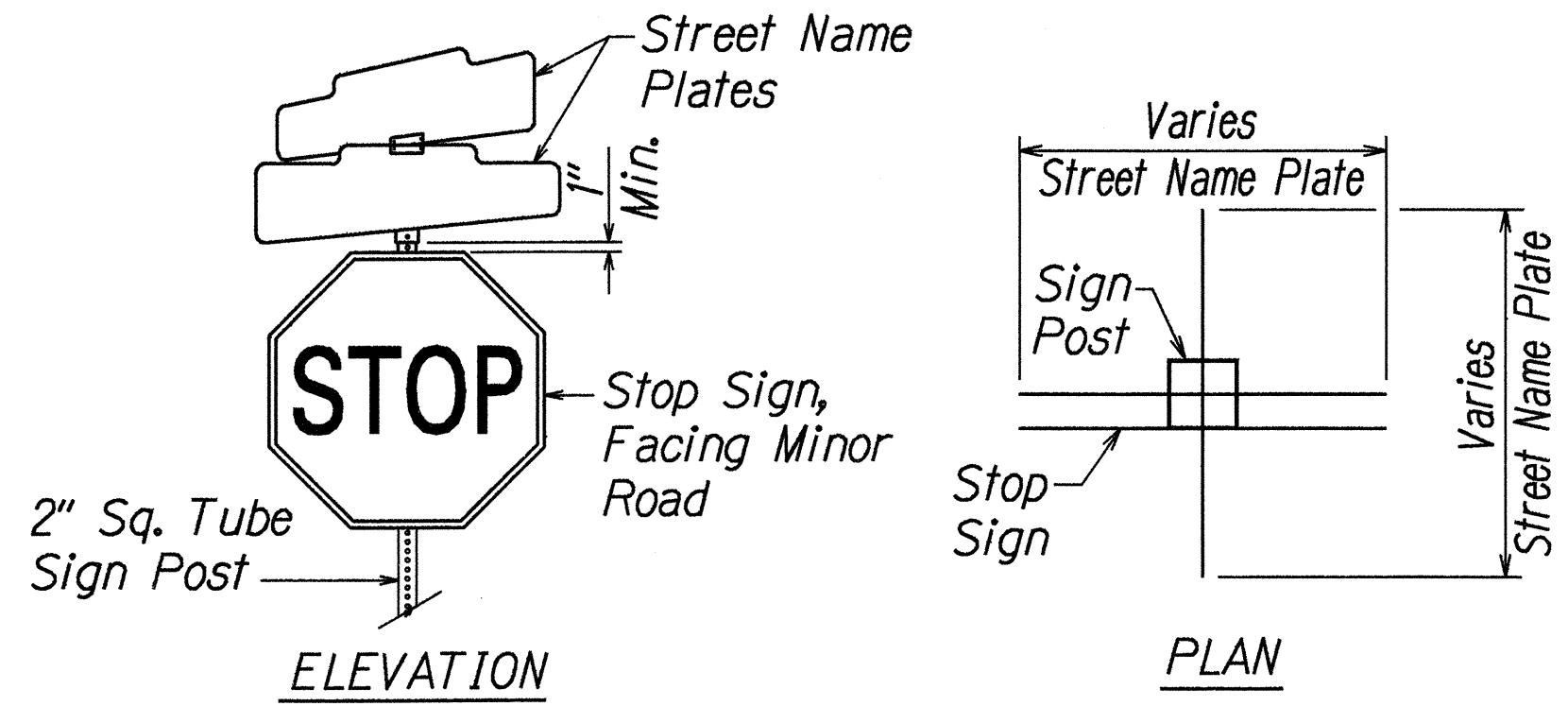
D3-1-39
Farr. Hwy. Block No. 87-400



D3-1-2 THRU D3-1-40
(Even Numbers Only)



TYPICAL STREET NAME (C&C TYPE) PLATE
FARRINGTON HIGHWAY AND CROSS STREETS



STREET NAME AND STOP SIGN DETAILS

- NOTES:
- Block numbers and street names are to be neatly centered horizontally on street name plate.
 - Diacritical markings shall be used on hawaiian names as specified.
 - Contractor shall provide the same message on the front and back side of the sign. Back side block number arrow shall be mirror image of the front side. Payment will not be made separately but shall be considered as one unit.
 - All street name signs shall be mounted on the stop sign post unless otherwise as noted on the plans.
 - The accepted quantities of City & County of Honolulu street name signs will be paid for at the contract unit price per each, complete in place. The contract unit price paid shall be full compensation for all necessary hardware, equipment, tools, labor, materials, and other incidentals for the installation of the new sign brackets.
 - Reflective sheeting shall be Type I - Engineering Grade.
 - Removing and reinstalling existing Street Name Signs on Regulatory and Warning Sign Post shall not be paid for separately but shall be considered incidental to the various signing items.

ORIGINAL SURVEY PLATTED BY: DATE: 2/10/95
DRAWN BY: B. A. H.
NOTED BY: G. K. K.
DESIGNED BY: G. K. K.
CHECKED BY: G. K. K.
NO. 51472

STREET NAME PLATE LAYOUT
Note: For text & other dimensions, see typ. this sht.

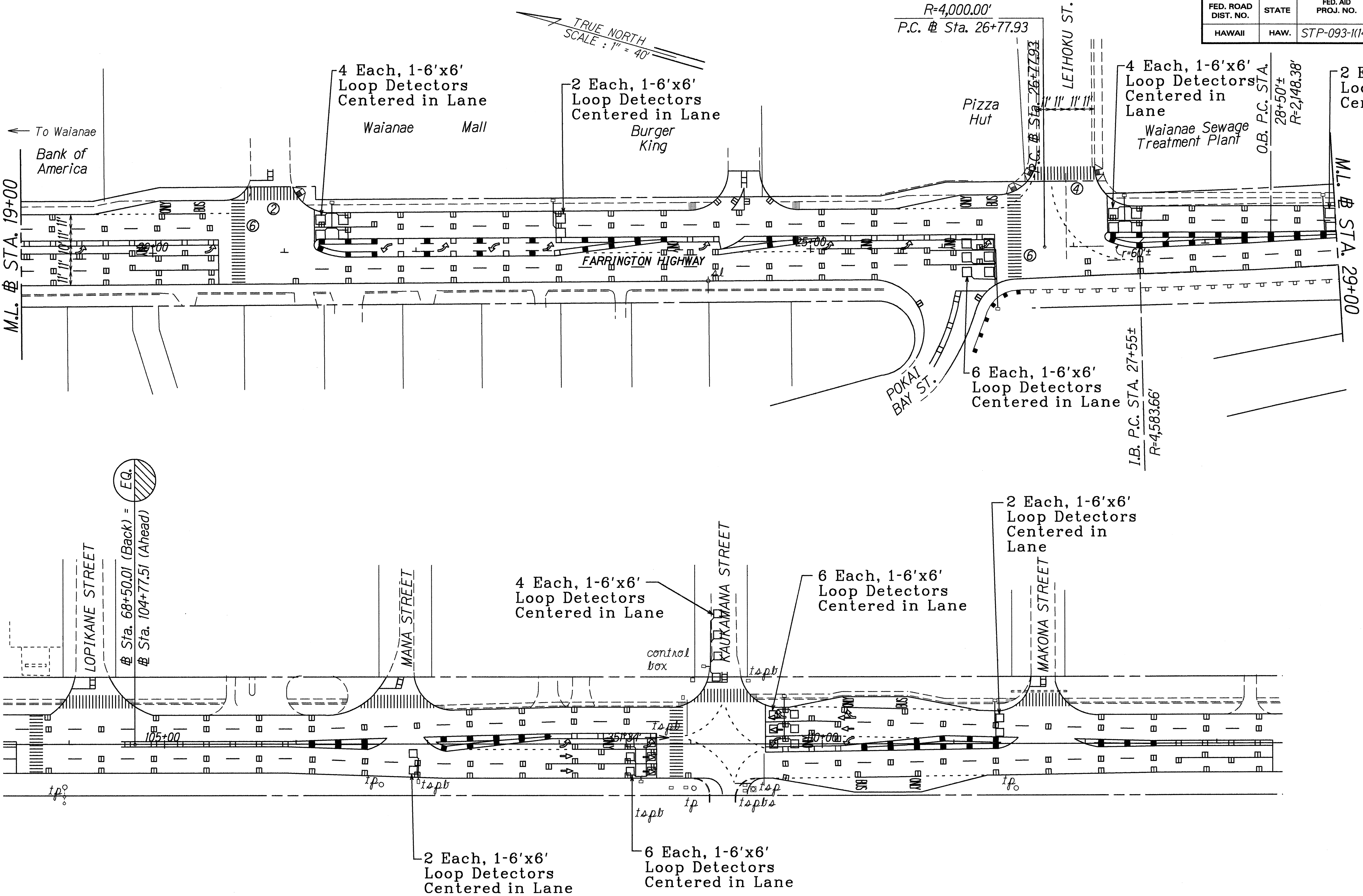
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

STREET NAME SIGN LAYOUT & DETAILS

FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)

Not to Scale Date: Sept., 1995
SHEET No. 110 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	29	37



SURVEY PLOTTED BY	DATE
DRAWN BY	2/7/95
NOTED BY	
QUANTITIES BY	
CHECKED BY	

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

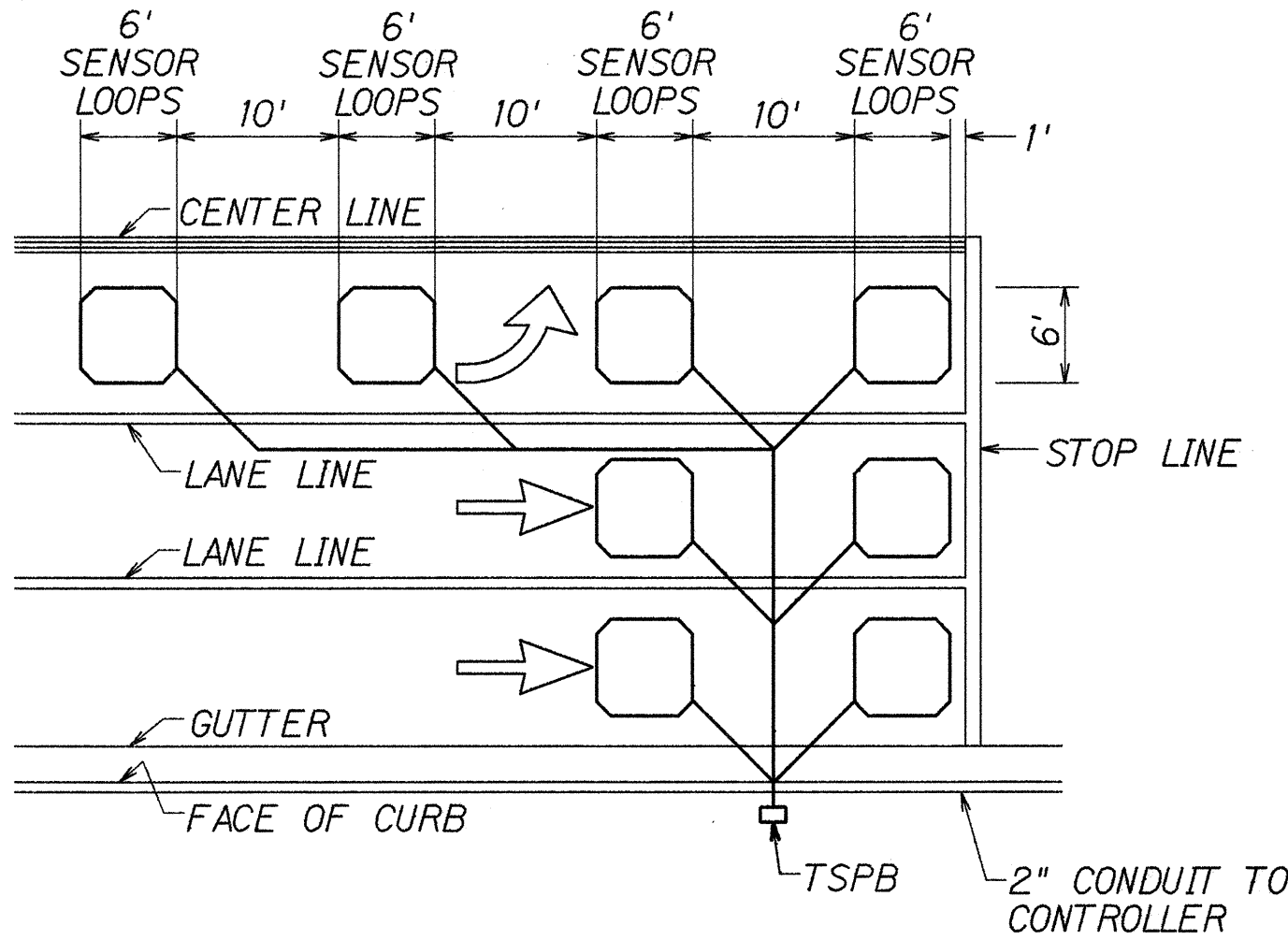
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR PLAN
FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)

Scale: 1"=40'
Date: Sept., 1995

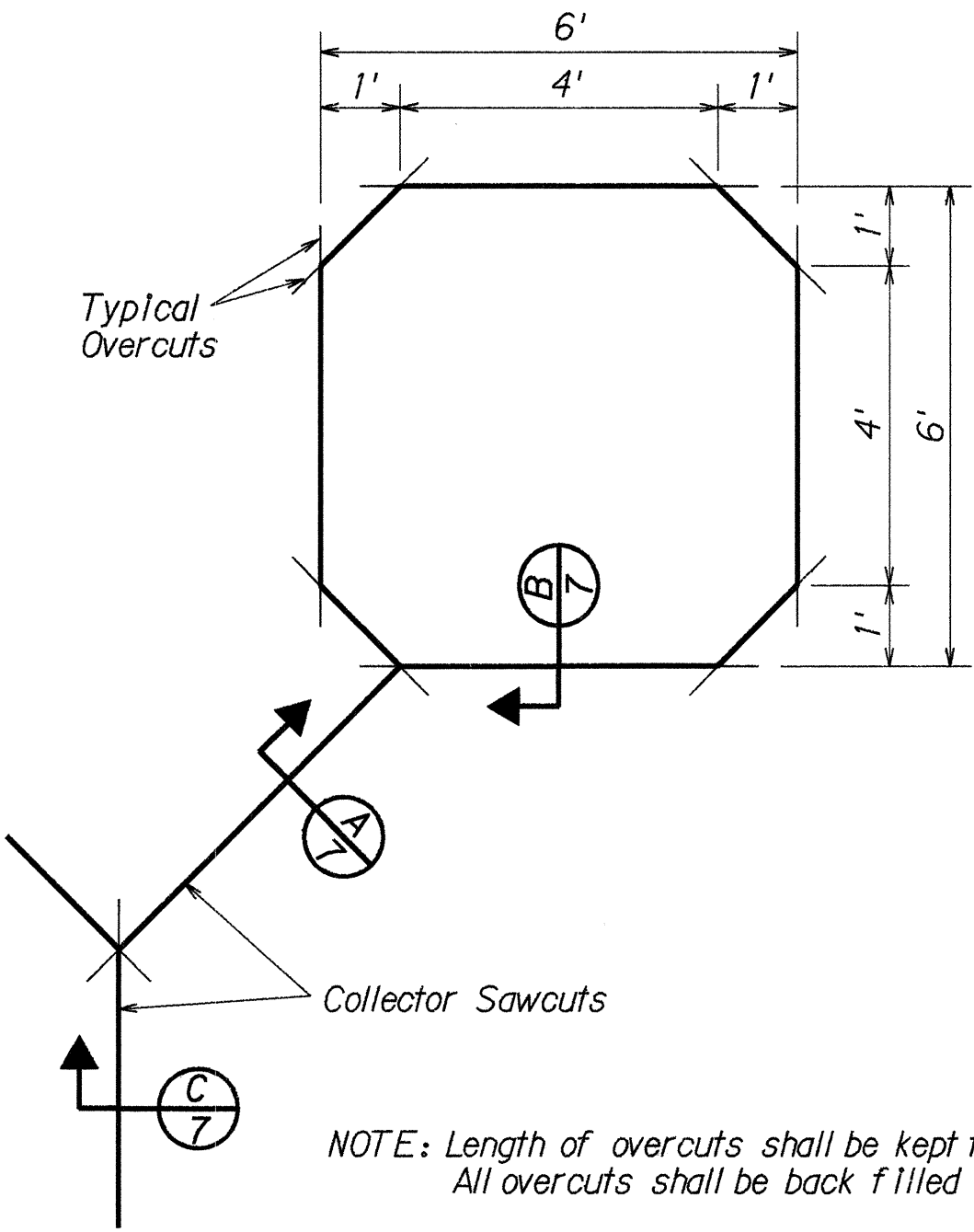
SHEET No. 75 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	36	37

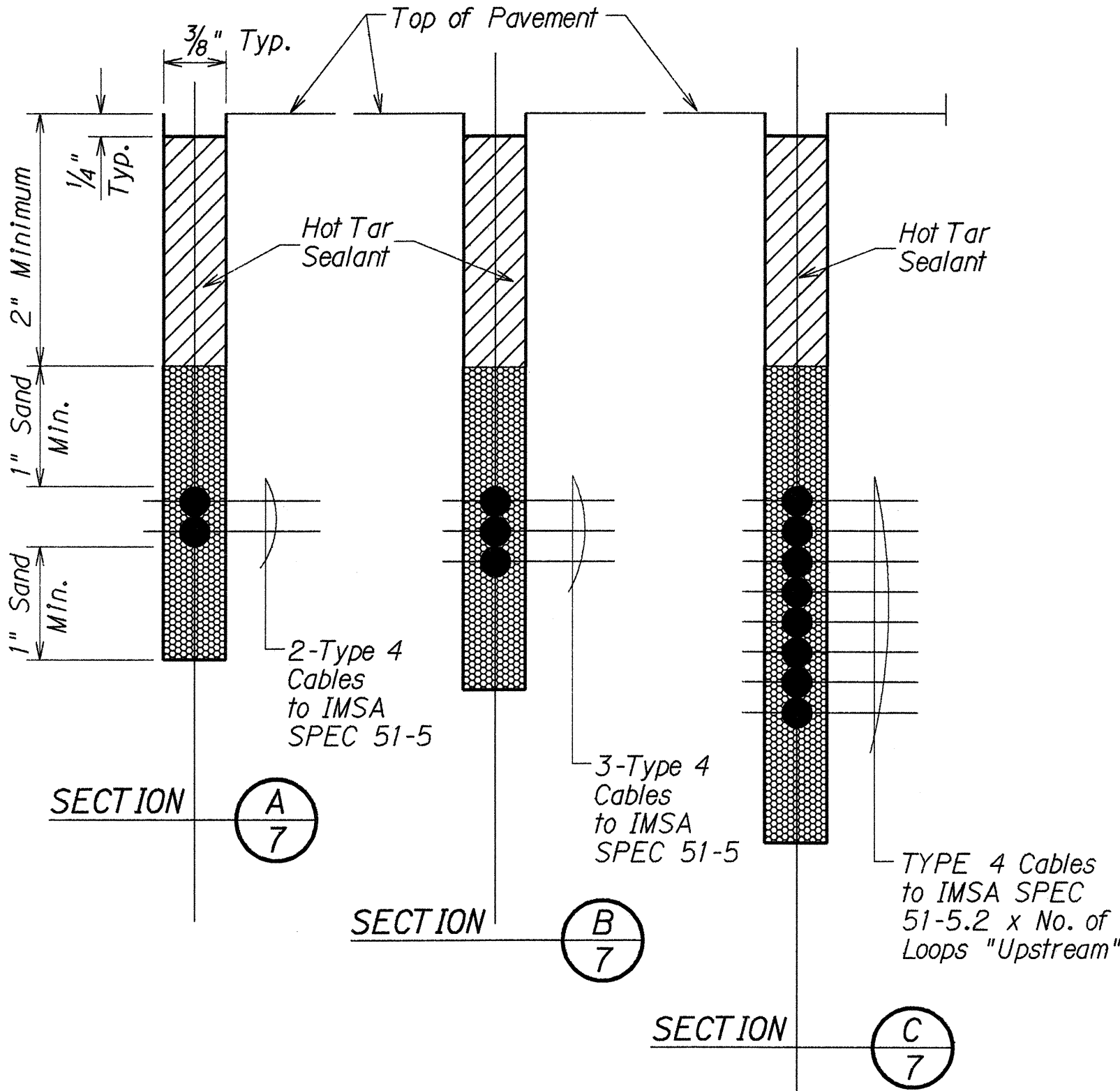


- NOTES:
1. Center sensor loops in lanes.
 2. Collector cables shall be twisted 2 turns per foot.
 3. Number of loops and locations vary. See project plans.
 4. Number and locations of collector sawcuts may be varied in the field to suit.

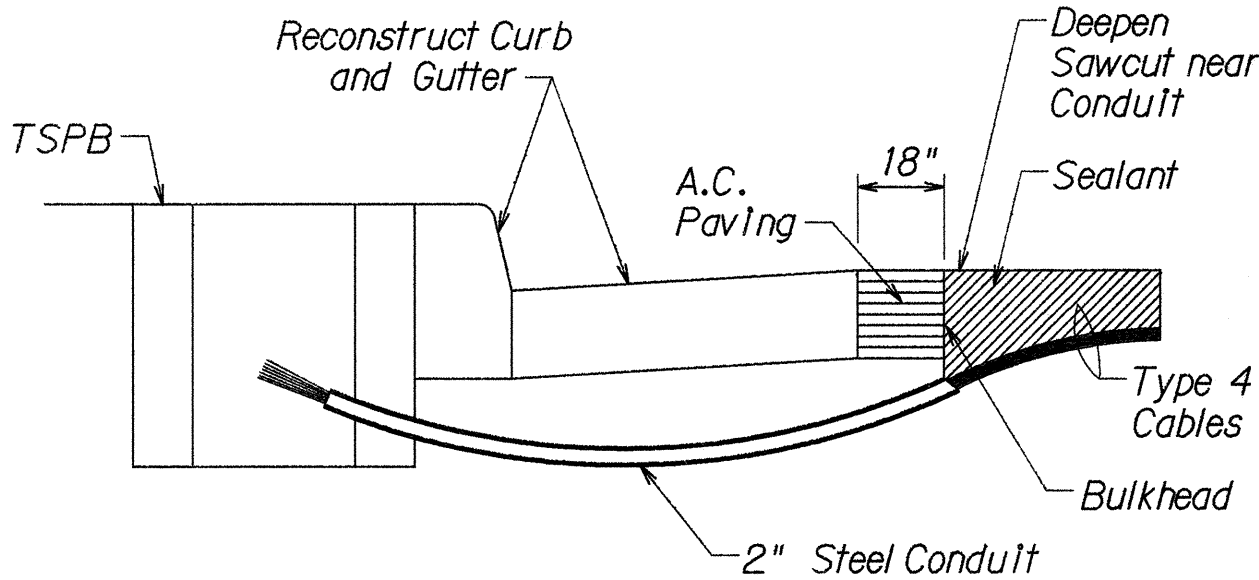
TYPICAL SENSOR LOOP LAYOUT



TYPICAL SENSOR LOOP SAWCUT DETAIL

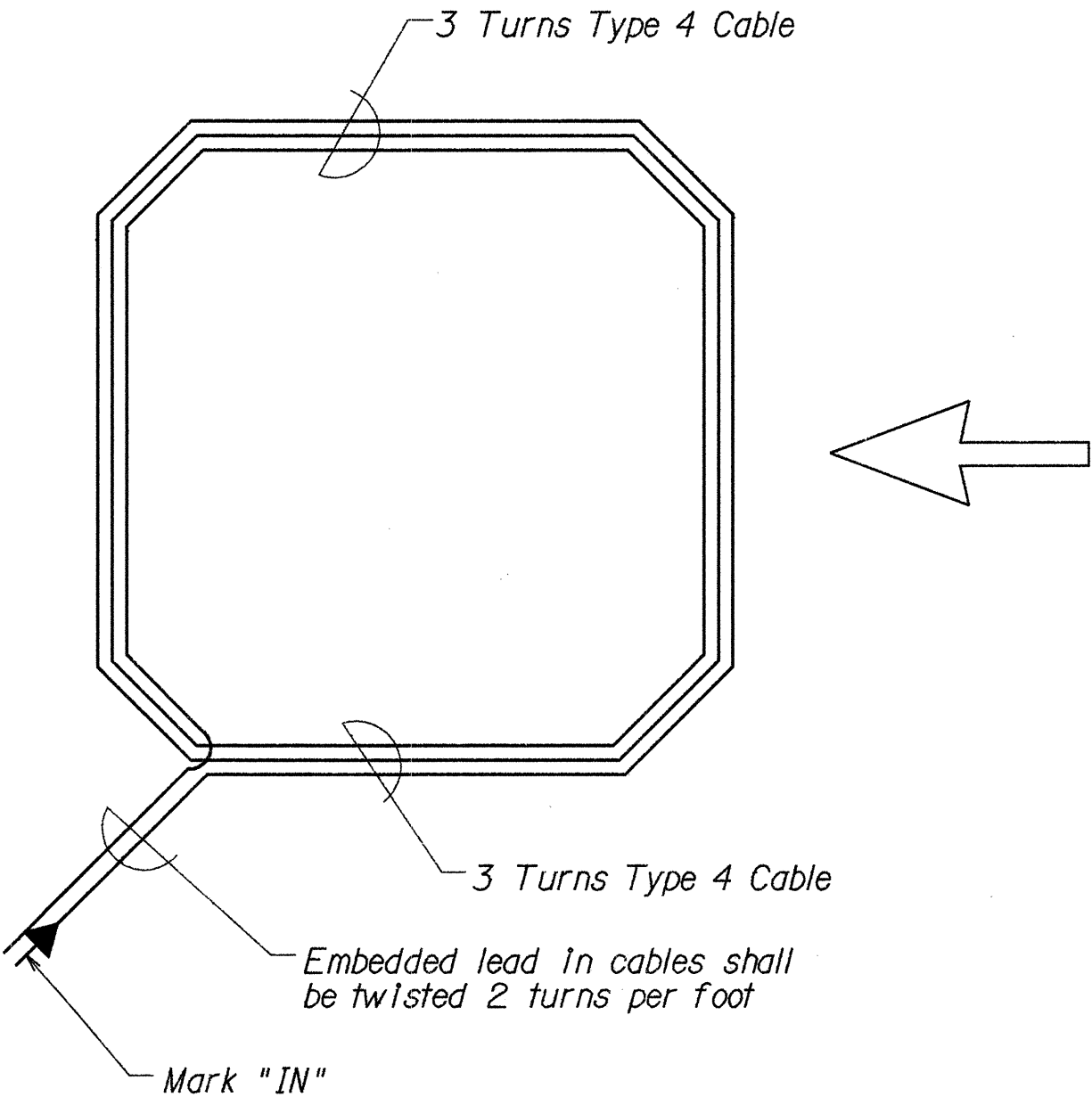


TYPICAL SECTION THROUGH SENSOR LOOP



- NOTES ON CONSTRUCTION AT END OF SAWCUT
1. Seal roadway end of conduit after installation of conductors.
 2. Install bulkhead across conduit trench.
 3. Place hot tar in sawcut.
 4. Backfill over conduit with new A.C.
 5. Reconstruct curb and gutter as required.

DETAIL OF SENSOR LOOP INSTALLATION
AT EDGE OF ROADWAY



TYPICAL SENSOR LOOP WIRING DIAGRAM

TYPES OF CABLES

- TYPE 1 Signal Loop Cable: Stranded No. 14, 26 conductors
- TYPE 2 Detector Lead-In Cable and Pedestrian Push Button Circuit Cable: Stranded, No. 14, 2 Conductors
- TYPE 3 Interconnect Cable: Solid No. 20, 12 Pairs
- TYPE 4 Loop Sensor Cable: Solid No. 12, Single Conductor to IMSA SPEC 51-5
- TYPE 5 Cable from Signal Loop to Signal Head: Stranded, No. 14, Single Conductor
- TYPE 6 Service Cable: Solid, No. 6, 3 Conductors

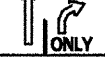
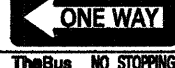
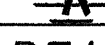
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOOP DETECTOR DETAILS

FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)
Not to Scale Date: Sept., 1995

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-093-1(14)	1996	37	37

PAVEMENT MARKING SUMMARY	
DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE A _____	2,180 EA.
TYPE C _____	1,160 EA.
TYPE D _____	400 EA.
TYPE H _____	250 EA.
TYPE J _____	24 EA.
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	1,300 L.F.
4-INCH PAVEMENT STRIPE (YELLOW) _____	280 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	2,800 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW) _____	8,500 L.F.
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	26,000 L.F.
8-INCH PAVEMENT STRIPE (WHITE) _____	450 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	360 L.F.
12-INCH PAVEMENT STRIPE (YELLOW) _____	200 L.F.
DOUBLE 4-INCH PAVEMENT STRIPE (YELLOW) _____	3,400 L.F.
TAPE - TYPE III OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	980 L.F.
4-INCH PAVEMENT STRIPE (YELLOW) _____	400 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	1,340 L.F.
CROSSWALK MARKINGS _____	162 LANES
PAVEMENT ARROW _____	38 EA.
PAVEMENT WORD _____	26 EA.
PAINT	
CONCRETE CURB (RED) _____	1,400 L.F.

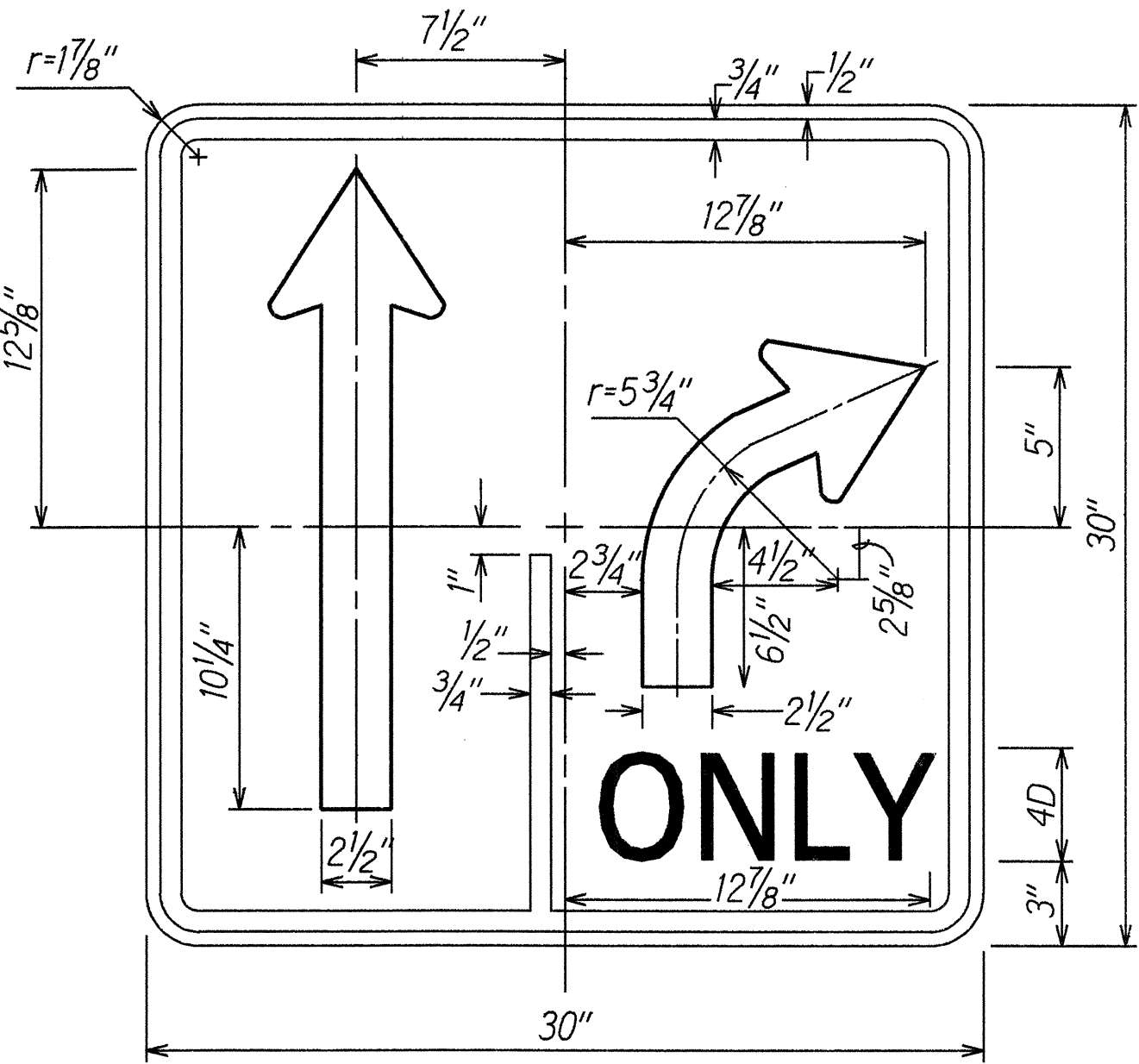
TRAFFIC SIGN SUMMARY					
SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		GREATER THAN 10 SQ. FT.	
		W/POST	W/O POST	W/POSTS	W/O POSTS
R1-1	STOP	22	4		
R2-1(25)	SPEED LIMIT 25	6			
R2-1(35)	SPEED LIMIT 35	1	1		
R3-2-B		1			
R3-30(R)		1	1		
R5-1	DO NOT ENTER	2			
R6-1(R)		2			
R6-1(L)			1		
R7-107b *		19	9		
R8-3a		21	4		
R16-1	BUCKLE UP  IT'S THE LAW	1			
W2-2			1		
W6-3			1		
W11-1		1			
W11-2		1	2		
W11A-2		1	1		
W14-1	DEAD END	1			
TOTAL		80	25		

* For Sign No. R7-107b Detail,
contact: Alan Kim
Honolulu Public Authority
711 Kapiolani Blvd.
Suite 275
Honolulu, Hawaii 96813
Ph. No. 523-4734

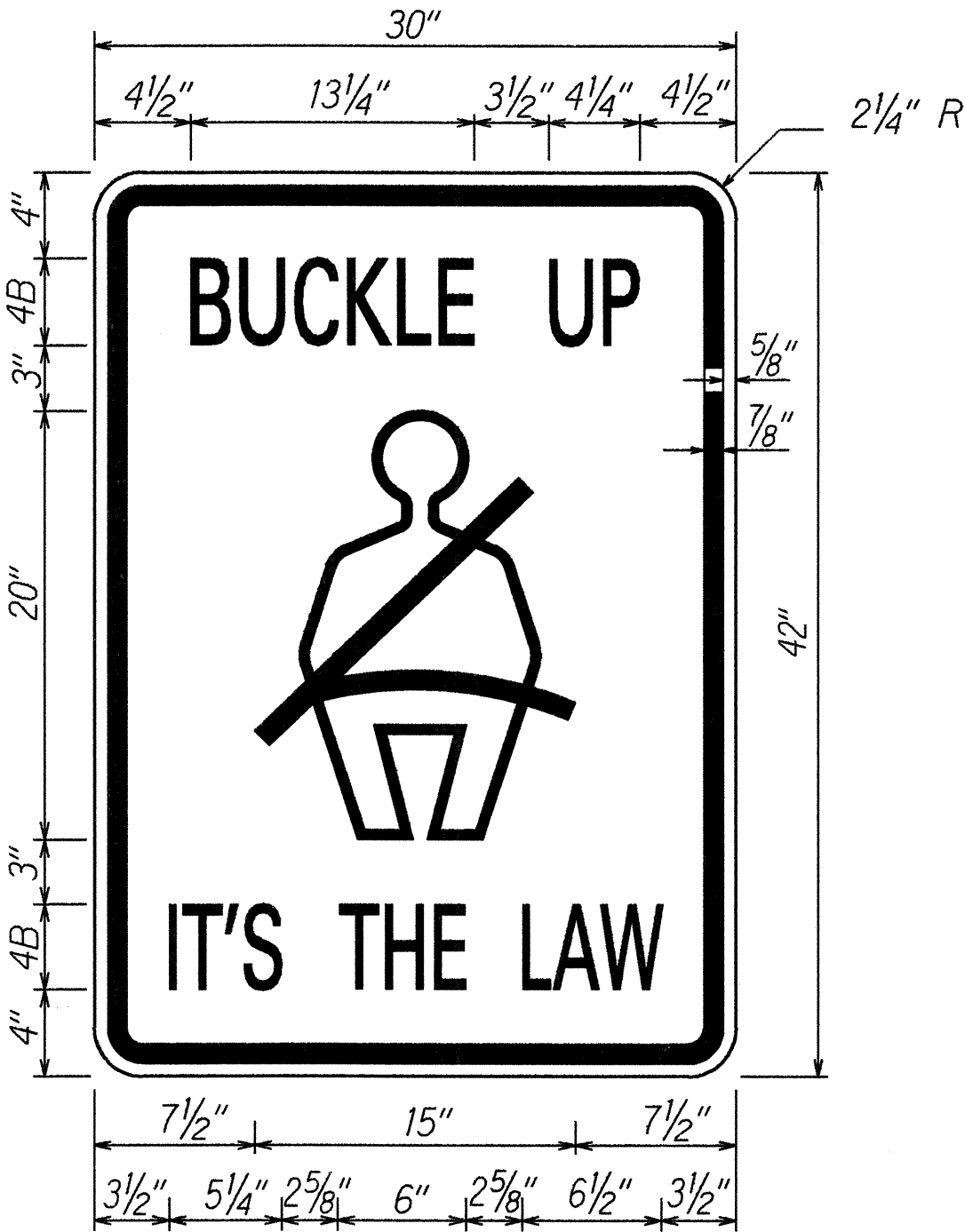
CONSTRUCTION SIGN SUMMARY			
SIGN NO.	LOCATION	MESSAGE	W/POSTS
CG20-2	# STA. 39+00 RT.	END CONSTRUCTION	1
CW20-1d	# STA. 39+00 LT.	ROAD CONSTRUCTION AHEAD	1
CW20-1d	# STA. 134+00 LT.	ROAD CONSTRUCTION AHEAD	1
CG20-2	# STA. 134+00 RT.	END CONSTRUCTION	1
TOTAL			4

ROUTE MARKER SUMMARY				
SIGN ASSEMBLY	LOCATION	SIGN NO. AND MESSAGE		TYPE A ASSEMBLY
				W/POST W/O POST
SRM-1	STA. 52+50± RT.	MI-6(93)	93	1
SRM-2	STA. 52+90± LT.	MI-6(93)	93	1
TOTAL				1 1

REFLECTOR MARKER SUMMARY						
TYPE	QUANTITY					
	W/O POST		W/FLEXIBLE POST		W/STEEL POST	
	YELLOW	WHITE	YELLOW	WHITE	YELLOW	WHITE
RM-2	4			8	10	
RM-4	3				5	



NOTE:
1. Sign R3-30(R) is a variation of sign R3-8. Plate and arrow details shall conform to sign R3-8.



R16-1
Not to Scale

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**TRAFFIC SUMMARIES
AND SIGN DETAILS**
FARRINGTON HIGHWAY RESURFACING
Ala Hema Street to Palani Street
F.A. Project No. STP-093-1(14)
Date: Sept., 1995
SHEET No. T13 OF 13 SHEETS

ORIGINAL PLAN
DRAWN BY H. Aul
DATE 2/18/95
NOTE BOOK
DESIGNED BY G. Kaeohi
QUANTITIES BY N. Sertisim
CHECKED BY