

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	C.O.43	138

- NOTE:
- ONE LANE OF MILILANI CEMETERY ACCESS ROAD SHALL BE OPEN TO TRAFFIC AT ALL TIMES.
 - MILILANI CEMETERY ACCESS ROAD CONE OR DELINEATOR SPACING:
a) WORK SITE: 10' O.C.
b) TAPER: 25' O.C.
 - SEE C.O. SHEET NO. 51 FOR TYPICAL LAYOUT OF LINE LINES.

END
CONSTRUCTION

CG 20-2
TO REMAIN
IN ALL PHASES

END
CONSTRUCTION

CG 20-2
TO REMAIN
IN ALL PHASES

LEGEND:

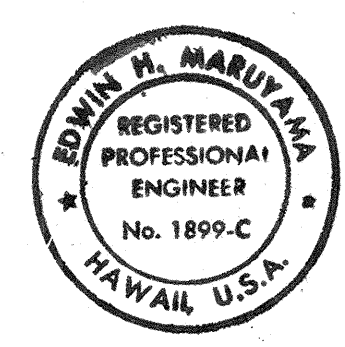
- LANE OPEN (IDENTIFICATION ONLY)
- - - LANE CLOSED (IDENTIFICATION ONLY)
- ▨ TO BE CONSTRUCTED ON LATER PHASE
- ▧ UNDER CONSTRUCTION
- ▩ PORTABLE CONC. GUARDRAIL WITH STEADY BURN LAMP

PHASE I

PHASE I

END
CONSTRUCTION

CG 20-2
TO REMAIN
IN ALL PHASES



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

SCALE: 1" = 100' AUGUST 1986

SHEET NO. 1 OF 20 SHEETS

DATE	REVISION
9/19/88	Revised Phase I Detour by Deleting Lane Closure.

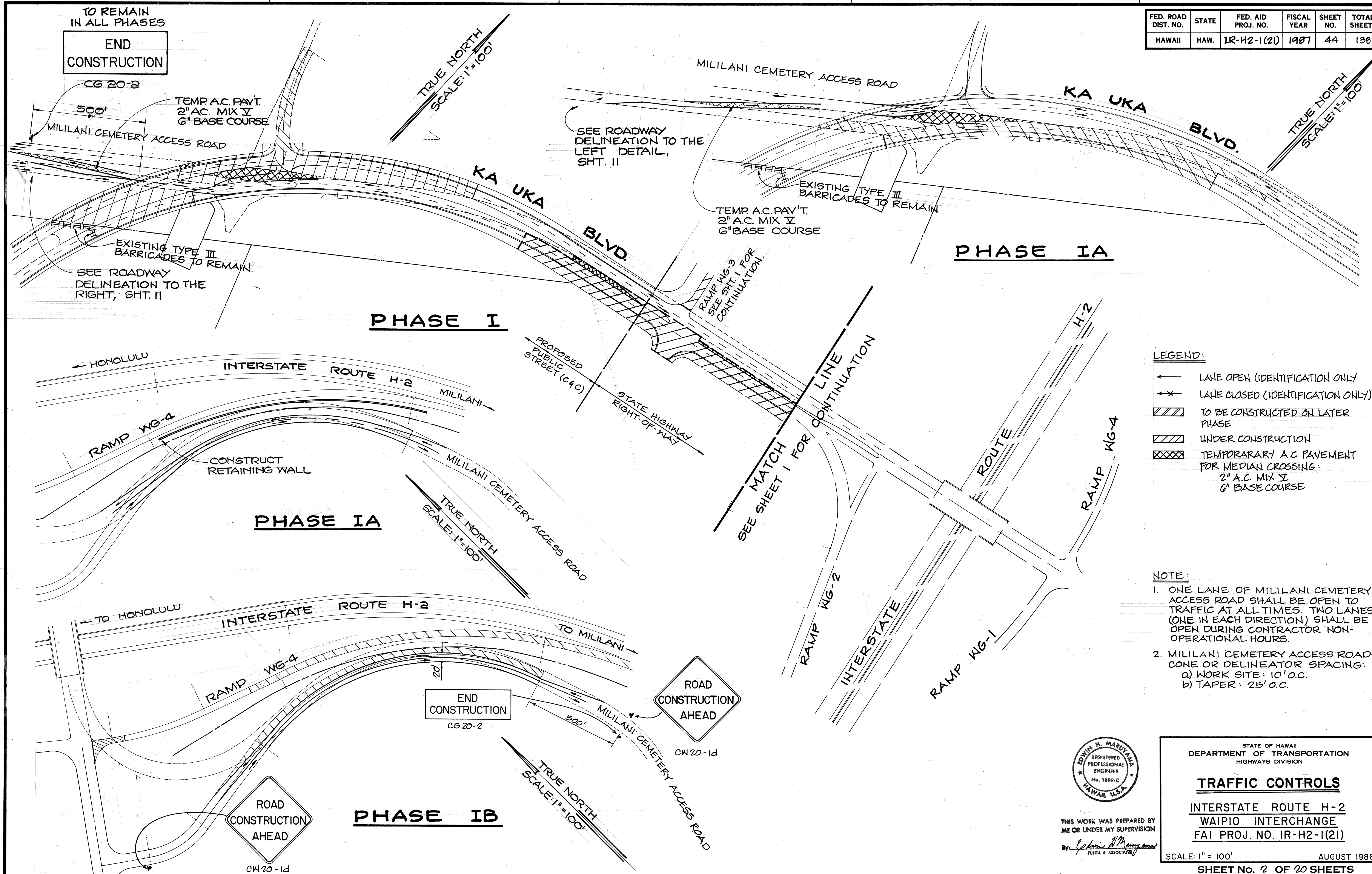
"AS-BUILT"

C.O. 43

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

MATCH LINE
SEE SHEET 2 FOR
CONTINUATION

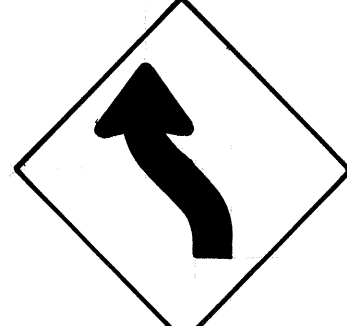
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	44	138



SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	45	138

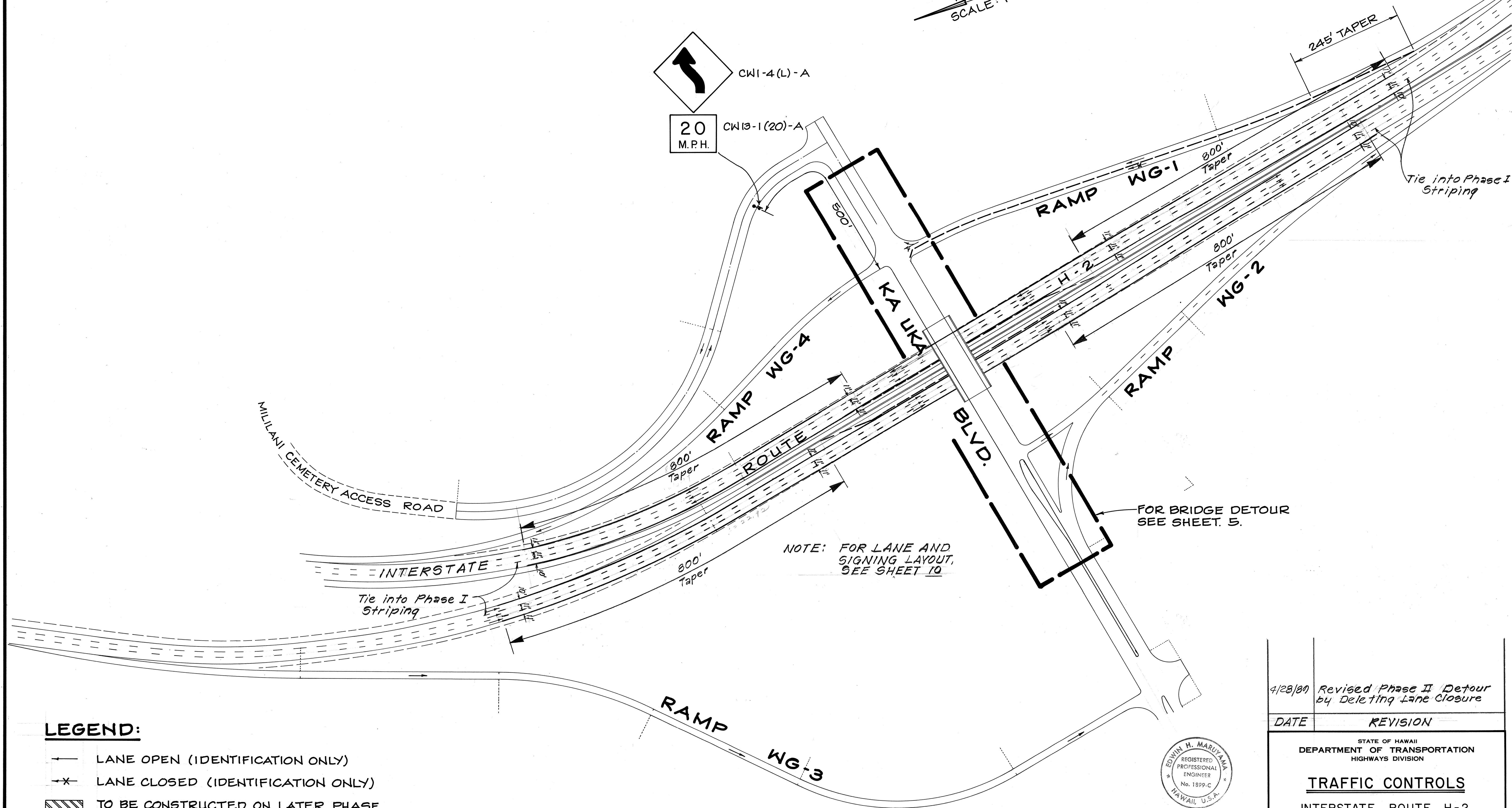
TRUE NORTH
SCALE: 1" = 100'



CWI-4(L)-A

20
M.P.H.

CWI-1(20)-A



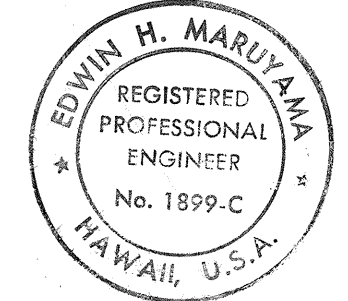
NOTE: FOR LANE AND SIGNING LAYOUT, SEE SHEET 10

FOR BRIDGE DETOUR SEE SHEET 5.

LEGEND:

- LANE OPEN (IDENTIFICATION ONLY)
- X- LANE CLOSED (IDENTIFICATION ONLY)
- ▨ TO BE CONSTRUCTED ON LATER PHASE
- ▨ UNDER CONSTRUCTION
- PORTABLE CONCRETE GUARDRAIL WITH STEADY BURN LAMP

PHASE II A



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
By: *Edwin H. Maruyama*
FUJITA & ASSOCIATES

4/28/80 Revised Phase II Detour by Deleting Lane Closure

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

SCALE: 1" = 100' OCTOBER 1987

SHEET NO. 3 OF 20 SHEETS

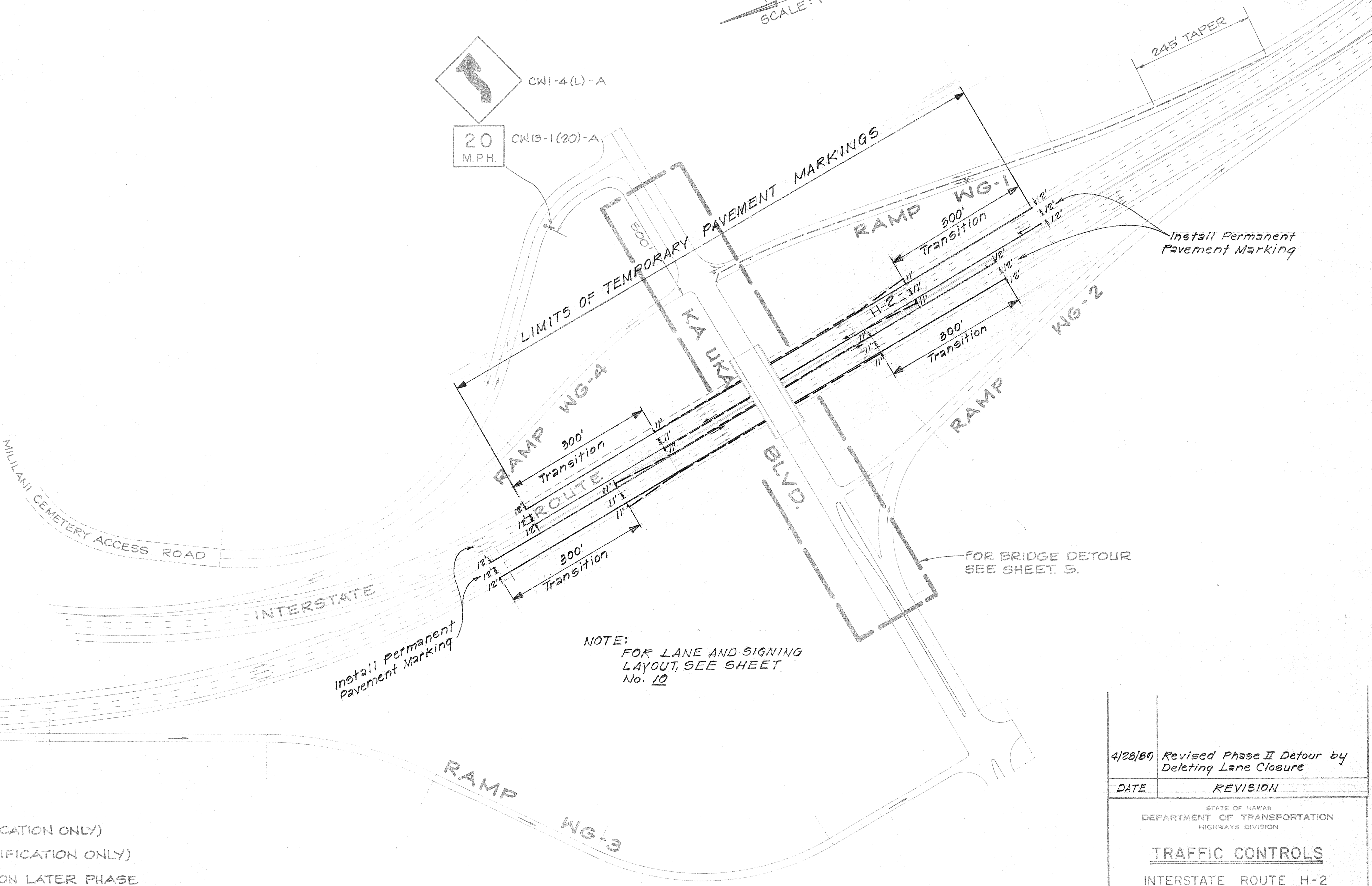
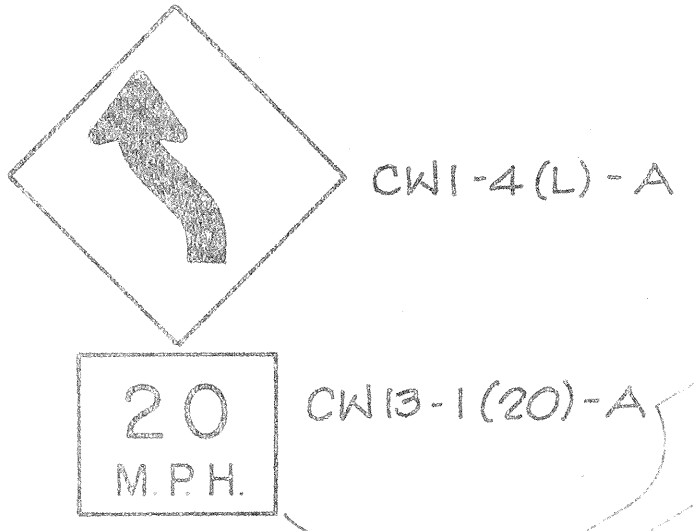
"AS-BUILT"

C.O. 45

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	455-1	130

TRUE NORTH
SCALE: 1" = 100'



NOTE:
FOR LANE AND SIGNING
LAYOUT, SEE SHEET
No. 10

LEGEND:

- LANE OPEN (IDENTIFICATION ONLY)
- X- LANE CLOSED (IDENTIFICATION ONLY)
- ▨ TO BE CONSTRUCTED ON LATER PHASE
- ▨ UNDER CONSTRUCTION
- PORTABLE CONCRETE GUARDRAIL WITH STEADY BURN LAMP

PHASE II B

4/28/89 Revised Phase II Detour by
Deleting Lane Closure

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

SCALE: 1" = 100' OCTOBER 1987

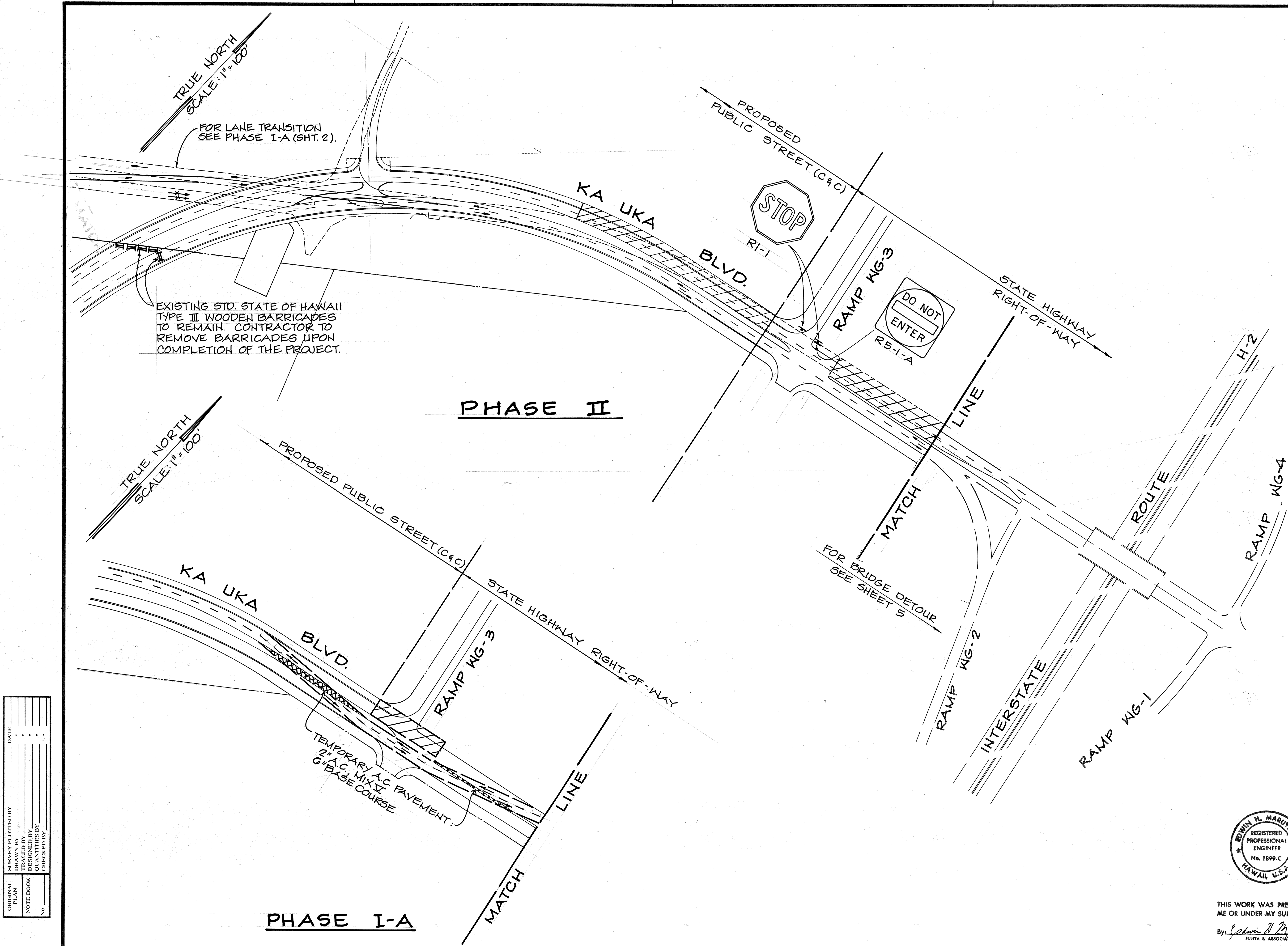
SHEET No. 3a OF 20 SHEETS

'AS-BUILT'

C.O.45 S-1

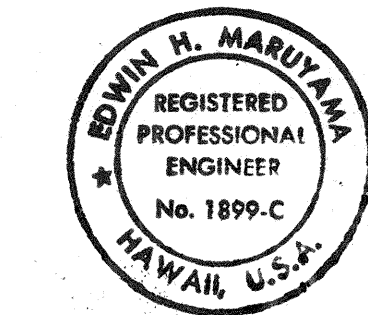
DATE	
SURVEY BOUGHT BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	46	138



- NOTE:
- ONE LANE OF MILILANI CEMETERY ACCESS ROAD SHALL BE OPEN TO TRAFFIC AT ALL TIMES.
 - MILILANI CEMETERY ACCESS ROAD- CONE OR DELINEATOR SPACING:
 - WORK SITE: 10' O.C.
 - TAPER: 25' O.C.

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



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
By: *Edwin H. Maruyama*
FUJITA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

SCALE: 1" = 100'
AUGUST 1986
SHEET No. 4 OF 20 SHEETS

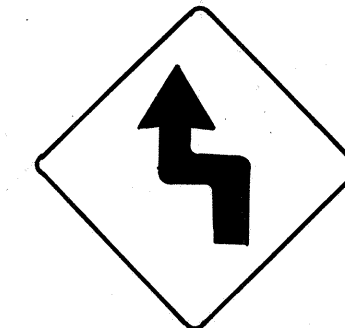
TRAFFIC CONTROL NOTES:

1. ADHESIVE BACKED REFLECTORIZED TAPE SHALL BE USED FOR TEMPORARY STRIPING.
2. SPACING OF BARRICADES SHALL BE THE POSTED SPEED LIMIT EXPRESSED IN FEET OR AS DIRECTED BY THE ENGINEER.
3. SIGNS WILL BE COVERED DURING PERIOD WHEN SIGNS ARE NOT APPLICABLE.
4. ALL GROUND MOUNTED SIGNS SHALL BE ON PORTABLE MOUNTS OR AS DIRECTED BY THE ENGINEER.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	47	138

TRUE NORTH
SCALE: 1" = 40'

RAMP W6-4
RAMP W6-1



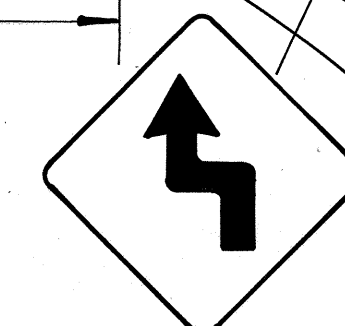
20
M. P. H.
CW 1-3 (L)-A
CW 13-1 (20)-A

STRIPING

20' (TYP)

KA UKA BLVD.

20' (TYP)

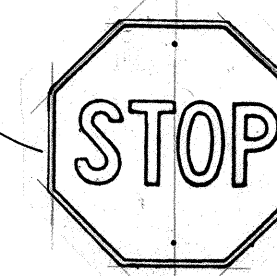


20
M. P. H.
CW 1-3 (L)-A
CW 13-1 (20)-A

RAMP W6-2

STOP
BAR

DO NOT
ENTER
R5-1-A



R1-1

LEGEND:

- TYPE II BARRICADE
- TYPE III BARRICADE
- PORTABLE CONCRETE GUARDRAIL WITH STEADY BURN LAMPS.
- SIGN
- DIRECTION OF TRAFFIC
- TEMPORARY A.C. PAVEMENT FOR MEDIAN CROSSING: 2" A.C. MIX II
6" BASE COURSE

PHASE II - BRIDGE DETOUR



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

By: *Edwin H. Maruyama*
Fujita & Associates

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

SCALE: 1" = 40'

AUGUST 1986

SHEET No. 5 OF 20 SHEETS

OCTOBER 1987

47

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

GENERAL NOTES - DURING CONSTRUCTION PHASING

- 1- CONTRACTOR MAY SUBMIT ALTERNATE DETOUR SCHEMES TO THE ENGINEER FOR REVIEW AND CONSIDERATION.
- 2- DETOUR TRAFFIC LANES SHALL BE A MINIMUM OF 12'-0" WIDE.
- 3- DETOURS MUST BE WITHIN THE ESTABLISHED STATE RIGHT-OF-WAY OR EASEMENT.
- 4- CONTRACTOR SHALL PROVIDE A LANE FOR TRAFFIC IN EACH DIRECTION DURING WORKING HOURS. *on Ka Uka Boulevard.*
- 5- CONTRACTOR SHALL ALLOW FOR ACCESS TO AND FROM ALL EXISTING DRIVEWAYS AND STREETS AT ALL TIMES.
- 6- EXISTING STRIPING WHICH IS CONTRARY TO THE DETOUR PHASING STRIPING SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. RESTRIPE AS REQUIRED.
- 7- DETOUR QUANTITIES ASSUMES THAT CERTAIN BARRICADES AND CHANNELIZING DEVICES ARE TO BE RELOCATED DURING THE VARIOUS CONSTRUCTION DETOUR PHASES.
- 8- ALL RELOCATIONS OF TEMPORARY WARNING, REGULATORY, CONSTRUCTION AND MAINTENANCE SIGNS, POSTS, BARRICADES AND DELINEATORS BETWEEN PHASES OF WORK SHALL BE PAID FOR ON A FORCE ACCOUNT BASIS BY ITEM NO. G45.1001 AND G45.1002, TRAFFIC CONTROL.
- 9- CONTRACTOR IS TO MAINTAIN ALL LANES OF TRAFFIC ^{At Least 2} ^{Inbound and 2 Lanes of Traffic} ~~DURING~~ ^{Outbound on the} NON-WORKING HOURS AND PEAK TRAFFIC HOURS.
- A. INBOUND PEAK TRAFFIC HOURS: 5:30 A.M. TO 8:30 A.M. AND 3:30 P.M. TO 6:00 P.M.
OUTBOUND PEAK TRAFFIC HOURS: 6:00 A.M. TO 9:00 A.M. AND 3:00 P.M. TO 6:00 P.M.
- B. ANY EXCEPTIONS MUST BE APPROVED BY THE ENGINEER.
- 10- ALL TEMPORARY TRAFFIC SIGNS, BARRICADES, TRAFFIC DELINEATORS FOR THE PURPOSES OF CONSTRUCTION PHASING AND DETOURS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. ^{State as} ^{Determined by} COSTS FOR ^{the Engineer.} REMOVAL SHALL BE INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
- 11- UNLESS OTHERWISE NOTED, EXACT LOCATION OF SIGNS, BARRICADES, AND DELINEATORS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 12- CONSTRUCTION OF TEMPORARY PAVEMENT SECTION SHALL BE CONSIDERED INCIDENTAL TO VARIOUS PAYMENT ITEMS. SCARIFYING AND REMOVAL OF TEMPORARY PAVEMENT SECTION AND RESTORING GROUND AND OTHER ITEMS TO ORIGINAL CONDITION UPON COMPLETION OF THE PROJECT SHALL BE CONSIDERED INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
- 13- ALL UTILITY WORK, GUARD RAILS, LIGHTING, TRAFFIC SIGNALS, SIGNING, CULVERTS, GRASSING AND OTHER RELATED WORK WITHIN EACH CONSTRUCTION PHASE SHALL BE PERFORMED COMPLETE TO THE EXTENT NECESSARY TO AVOID RE-EXCAVATION FOR UNDERGROUND WORK AND HAZARDOUS ROADSIDE CONSTRUCTION.
- 14- THE CONTRACTOR SHALL FOLLOW THE ORDER OF CONSTRUCTION DETOUR PHASING AS SHOWN ON THE PLANS. PHASING MAY OVERLAP AND CONTRACT ITEMS OF WORK INVOLVED IN EACH PHASING MAY BE CONSTRUCTED AT ANY TIME AS LONG AS DETOUR PHASING IS NOT AFFECTED. ANY REQUEST FOR ADJUSTMENT IN SEQUENCE OR PHASING MUST BE SUBMITTED IN WRITING AND APPROVED BY THE ENGINEER.
- 15- STEADY BURN LAMPS SHALL BE INSTALLED ON PORTABLE CONCRETE GUARD RAIL. INSTALLATION OF LAMPS SHALL BE INCIDENTAL TO ITEM NO. G06.900.
- 16- ALL CONSTRUCTION SIGNS INCLUDING FLASHING/SEQUENCING ARROW PANELS, LOW CLEARANCE STRUCTURE, LIGHTED MESSAGE BOARD, ETC., SHALL BE PAID FOR ON A FORCE ACCOUNT BASIS BY ITEM NO. G45.1001.
17. *The Contractor shall inform the Public of all Detours and Lane Closures by making arrangements and placing Legal Notices including Appropriate Plan Sketches in the Honolulu Advertiser and Honolulu Star Bulletin. See Page 107-2a of the Special Provisions. Legal Notices shall be Published before Phase I Construction and before Phase II Construction (ADD No. 1).*

SUMMARY OF CONSTRUCTION SIGNS

DESCRIPTION	PHASE			
	I	INSTALLATION OF FALSEWORK	IA & IB	II
R1-1				4
R5-1-A				2
R11-2		6		
CM4-10 (R)		6		
CW1-3 (L)-A				2
CW1-4 (L)-A				2
CW4-2 (R)-A	4		1	
CW4-2 (L)-A	1	8		4
CW12-2 (14'-0")		4		
CW12-3		4		
CW13-1 (20)-A				4
CW13-1 (35)-A		8		
CW20-1d	1		3	
CW20-1h	4	4		4
CW20-5a (R)	4			
CW20-5a (L)				4
CW20-5c (R)			1	
CW20-5c (L)	1			
CW20-5e (R)	4			
CW20-5e (L)				4
CW20-8 (L)		4		
CW21-7				4
CG20-2	6	6	7	6
TYPE "C"	2	6		2
LC-1		1		
LC-2		1		

BARRICADES AND CHANNELIZING DEVICES

TRAFFIC DELINEATORS	284	258	173	108
TYPE II BARRICADES (STEADY BURN)	16		16	26
TYPE III BARRICADES		6		1
PORTABLE CONCRETE GUARD RAIL WITH STEADY BURN LAMPS (INT. PANEL)	482			191
PORTABLE CONCRETE GUARD RAIL (TERMINAL PANEL)	2			6

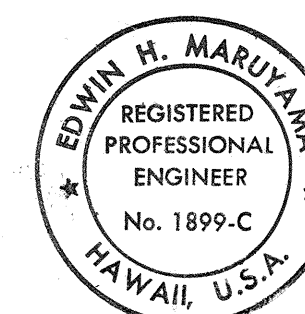
NOTE: QUANTITIES SHOWN ARE FOR ESTIMATING PURPOSES ONLY. CONTRACTOR SHALL ESTABLISH THE ACTUAL NUMBER TO BE FURNISHED BASED ON REUSABLE MATERIAL AVAILABLE FROM SITE, STORAGE AND AS DIRECTED BY THE ENGINEER.

SUMMARY OF DETOUR PAVEMENT MARKINGS

DESCRIPTION	PHASE			
	I		IA & IB	II
PAVEMENT STRIPING (TAPE)	1,240		1,060	980

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	48	138

NOTE: CONTRACTOR SHALL NOT CAST PORTABLE CONCRETE GUARD RAIL UNTIL DIRECTED BY THE ENGINEER.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

By: *Edwin H. Maruyama*
FUJITA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

NOT TO SCALE
AUGUST 1986
SHEET No. 6 OF 20 SHEETS

"AS-BUILT"

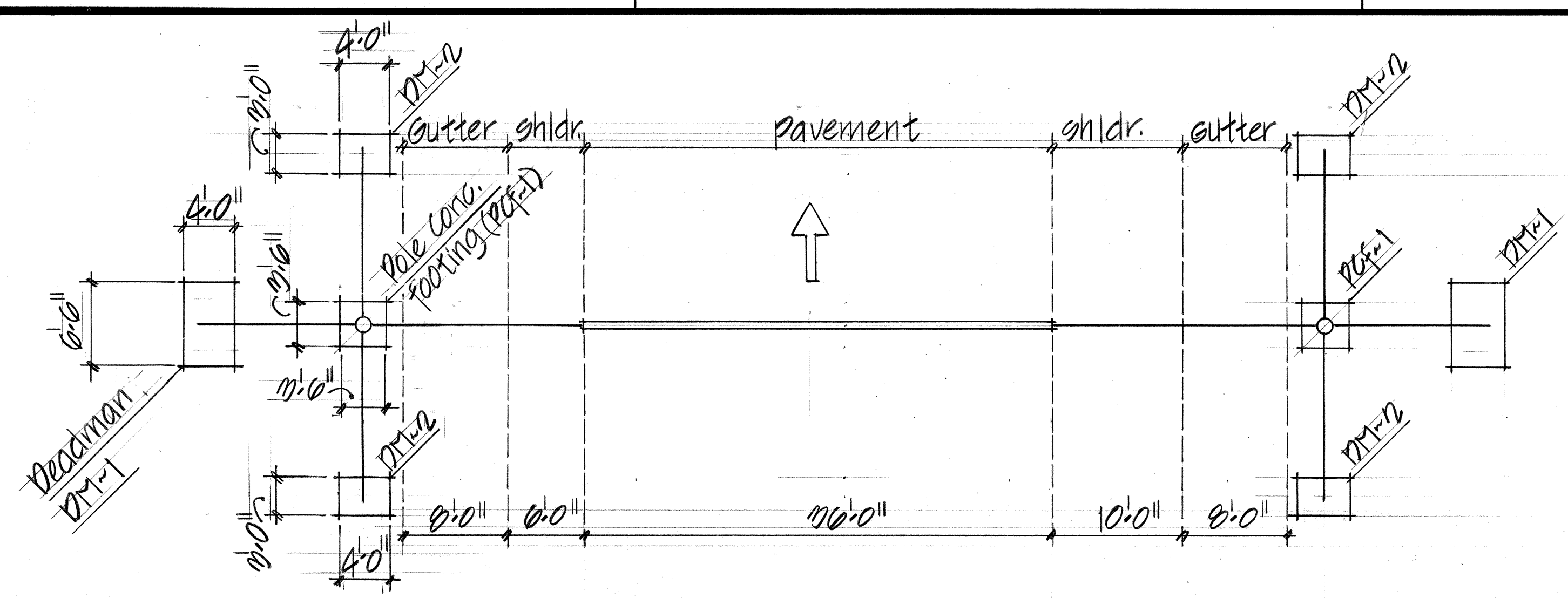
OCTOBER 1987

48

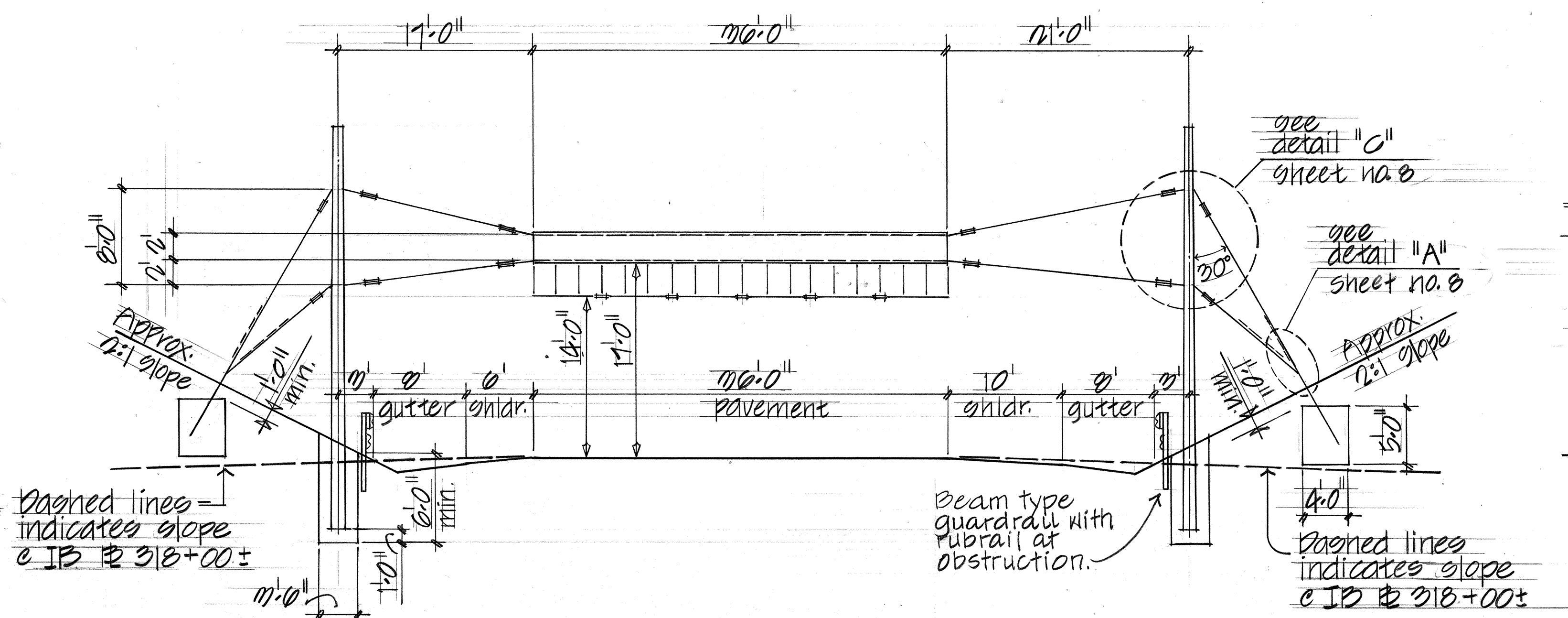
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HAWAII	HAW.	1R-H2-1(21)	1987	49	138

GENERAL NOTES - LOW CLEARANCE OVERHEAD SIGN

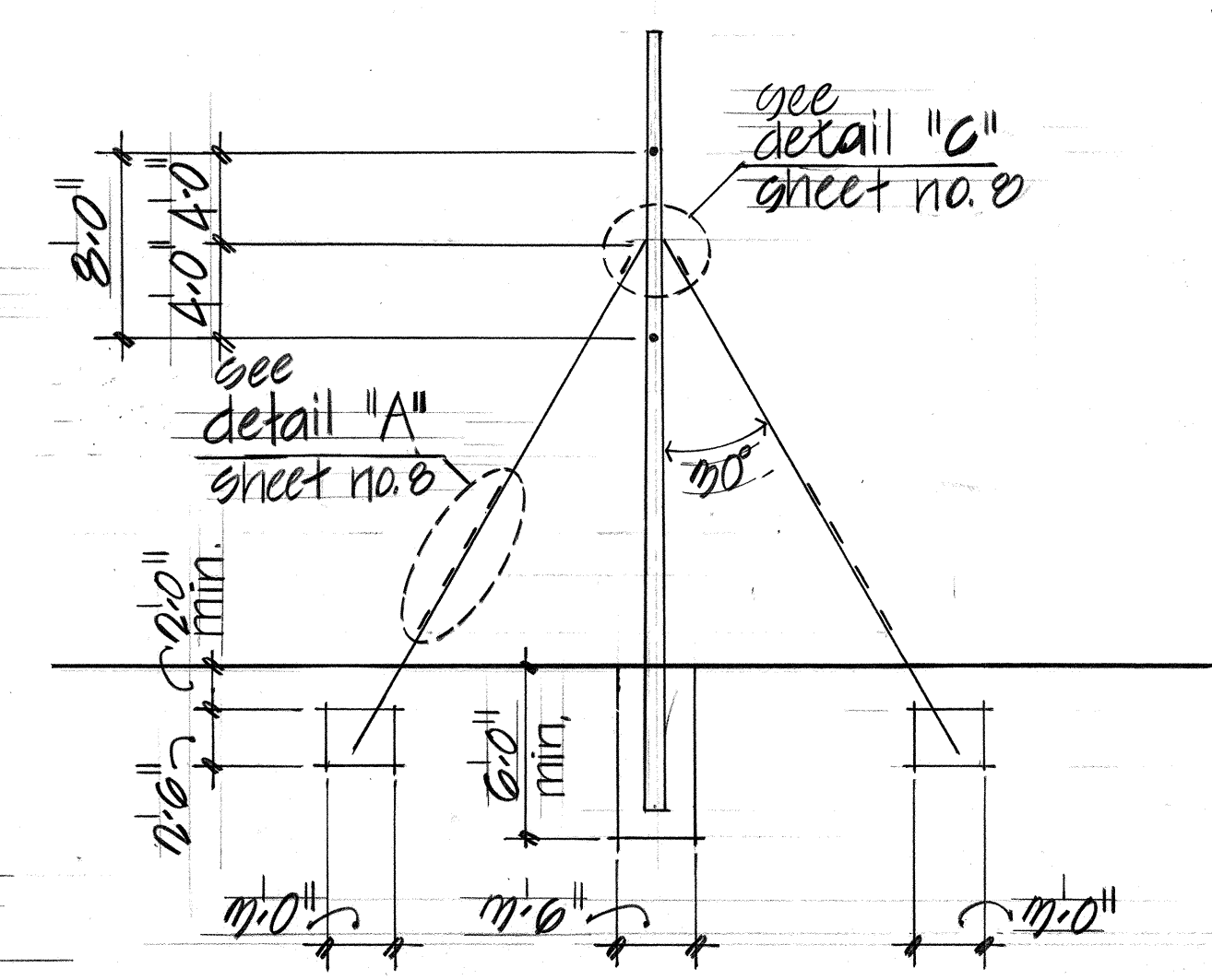
- "LC" sign shall conform to the current FHWA publications & amendments as follows:
 - "Manual on Uniform Traffic Control Devices for Streets & Highways."
 - "Standard Alphabets for Highway Signs."
- Letters: Series "E"
- Color: As shown on plan (Use reflective sheeting).
- Sign Panel:
 - 26 ga. steel sheet, tacked on to 3/4" thick waterproof, fir plywood.
- "LC" signs shall be installed 9 days prior to overhead falsework installation.
- If any "LC" sign is damaged, contractor shall repair or replace sign as necessary within 48 hours after damage. Costs shall be paid for on a force account basis by Item No. 649.1001 and 649.1002, Traffic Control.



PLAN
SC: 1/8" = 1'-0"

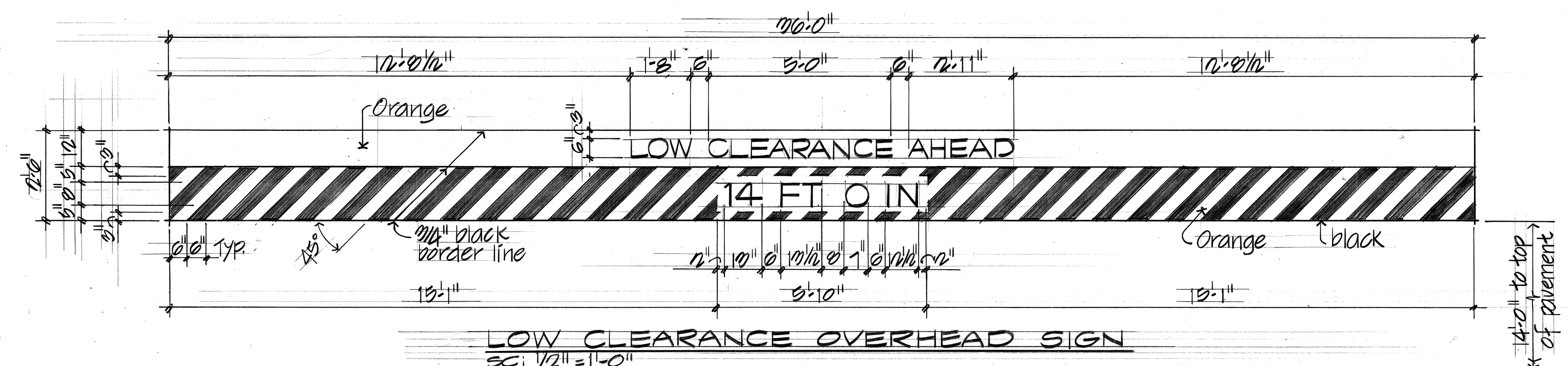


ELEVATION



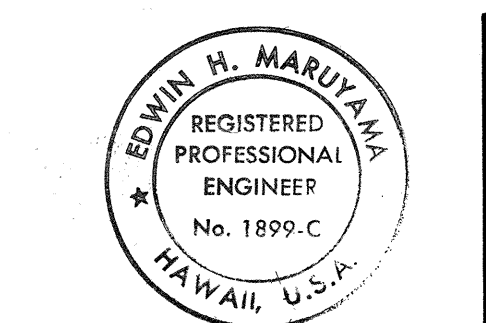
SECTION
SC: 1/8" = 1'-0"

OUTBOUND (O.B.) ± 392+00±
~ INBOUND (I.B.) ± 318+00± similar as noted



LOW CLEARANCE OVERHEAD SIGN
SC: 1/2" = 1'-0"

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



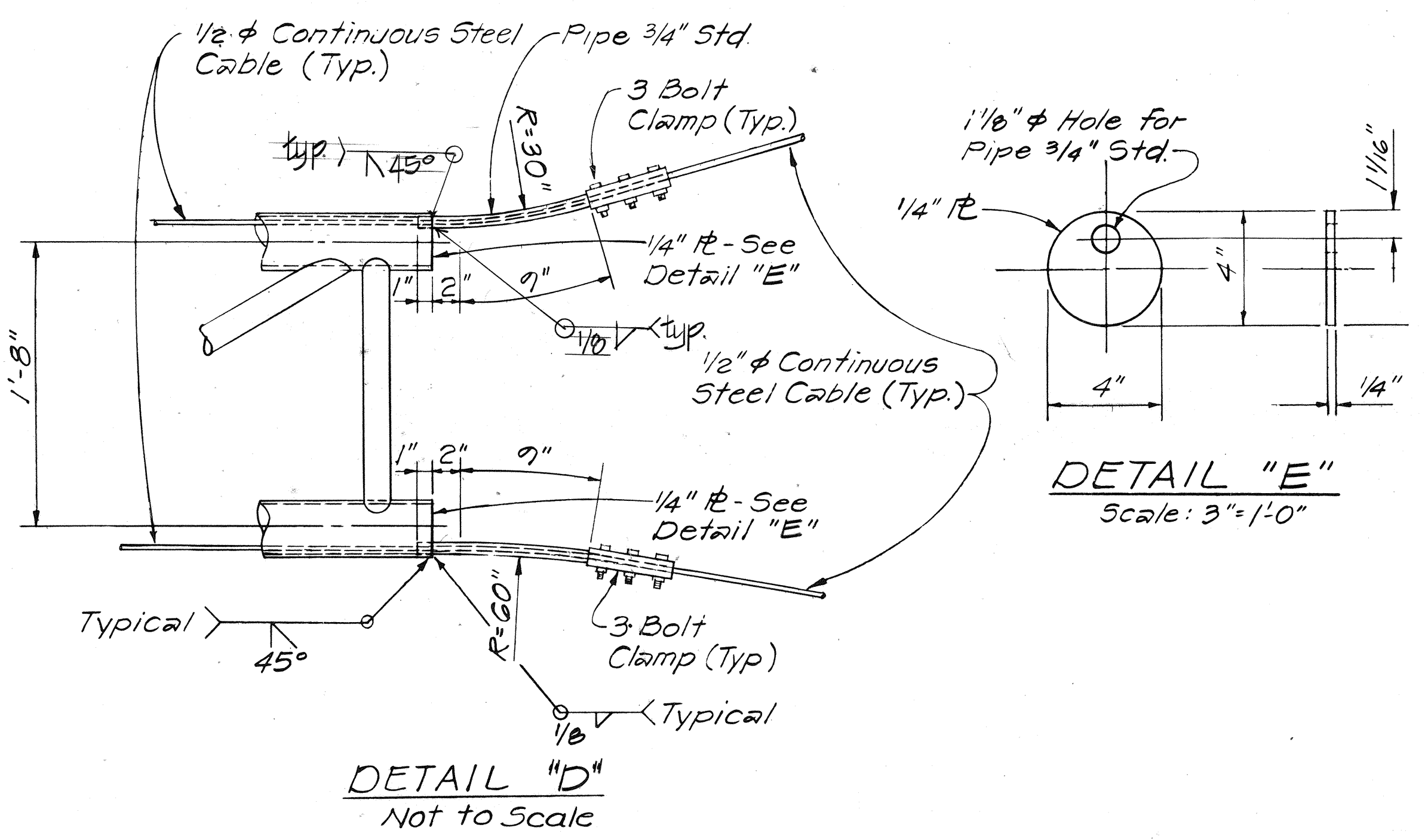
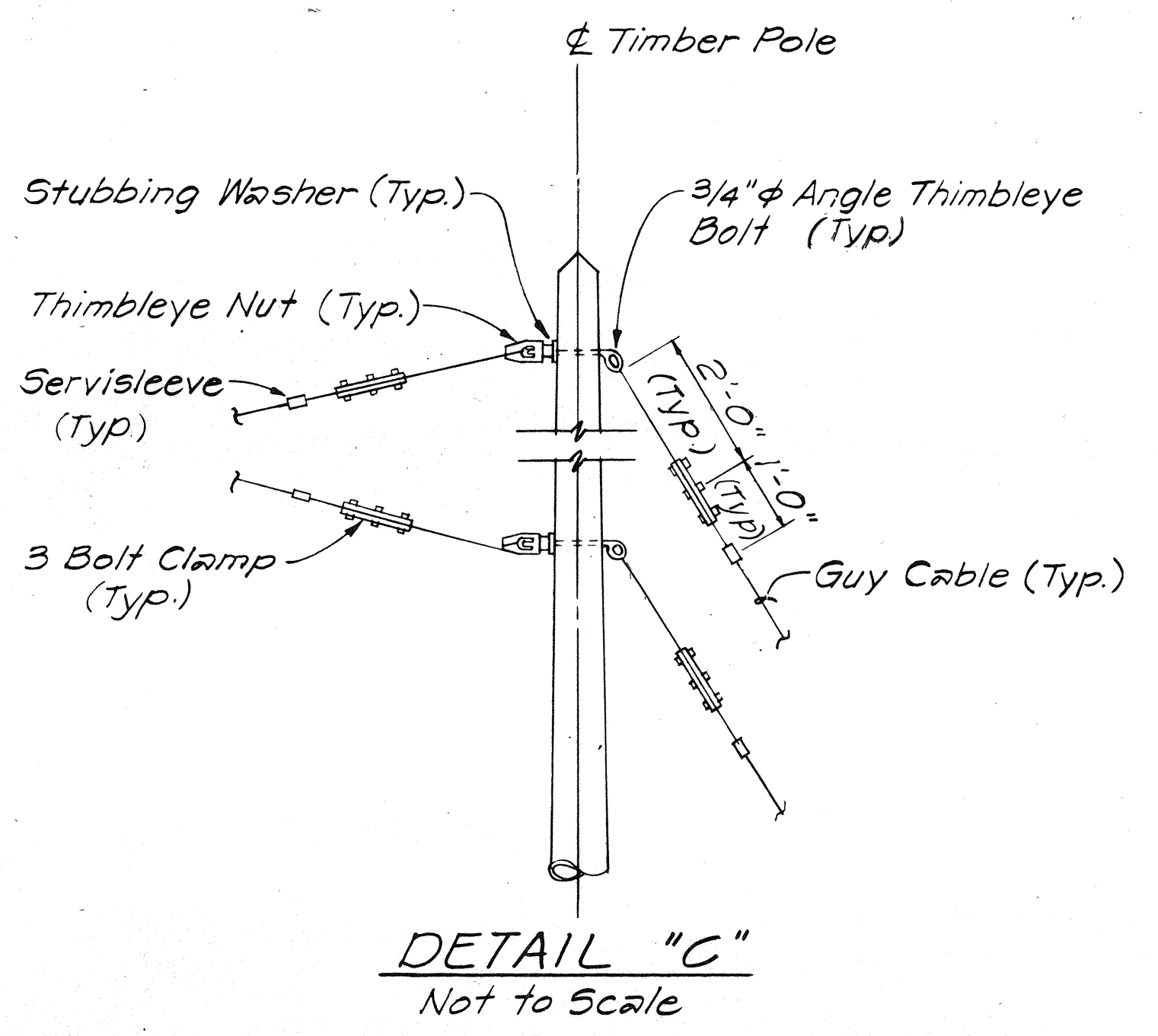
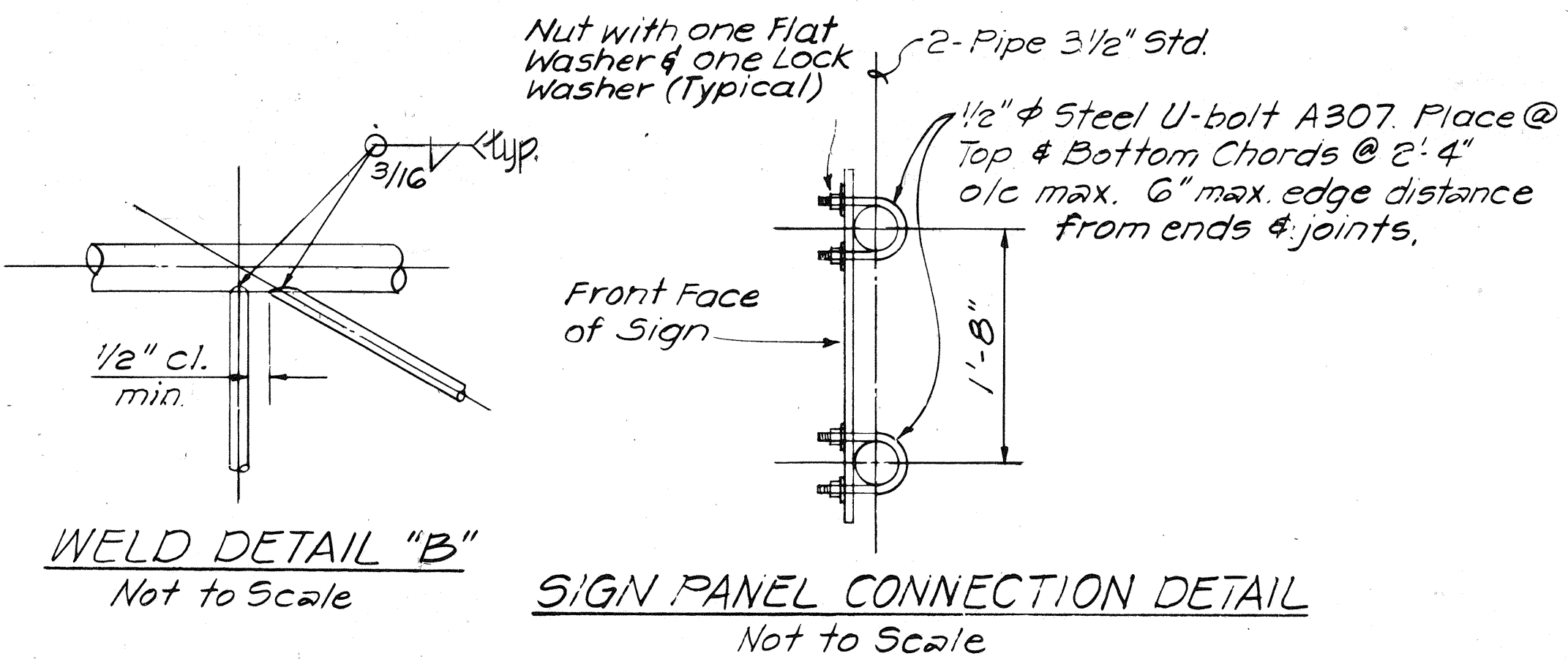
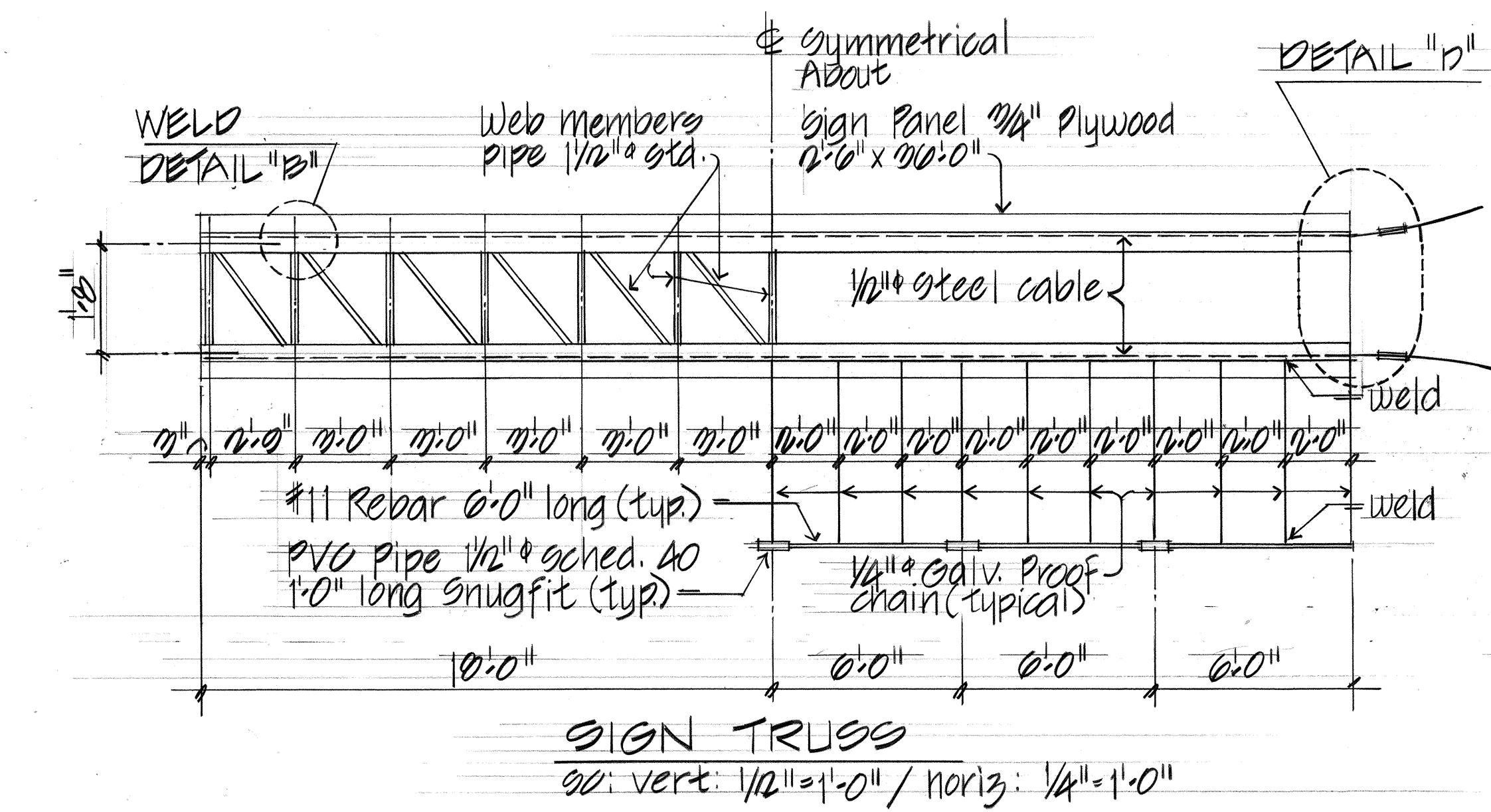
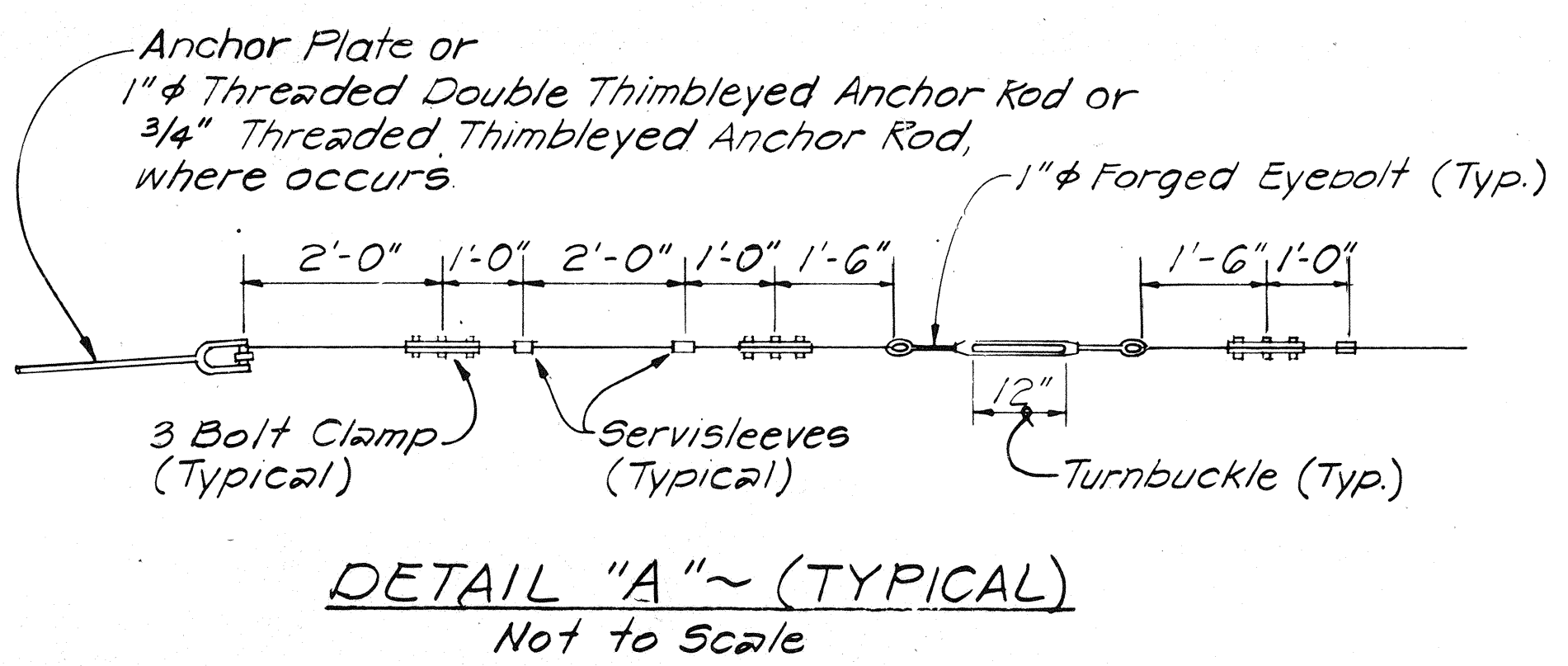
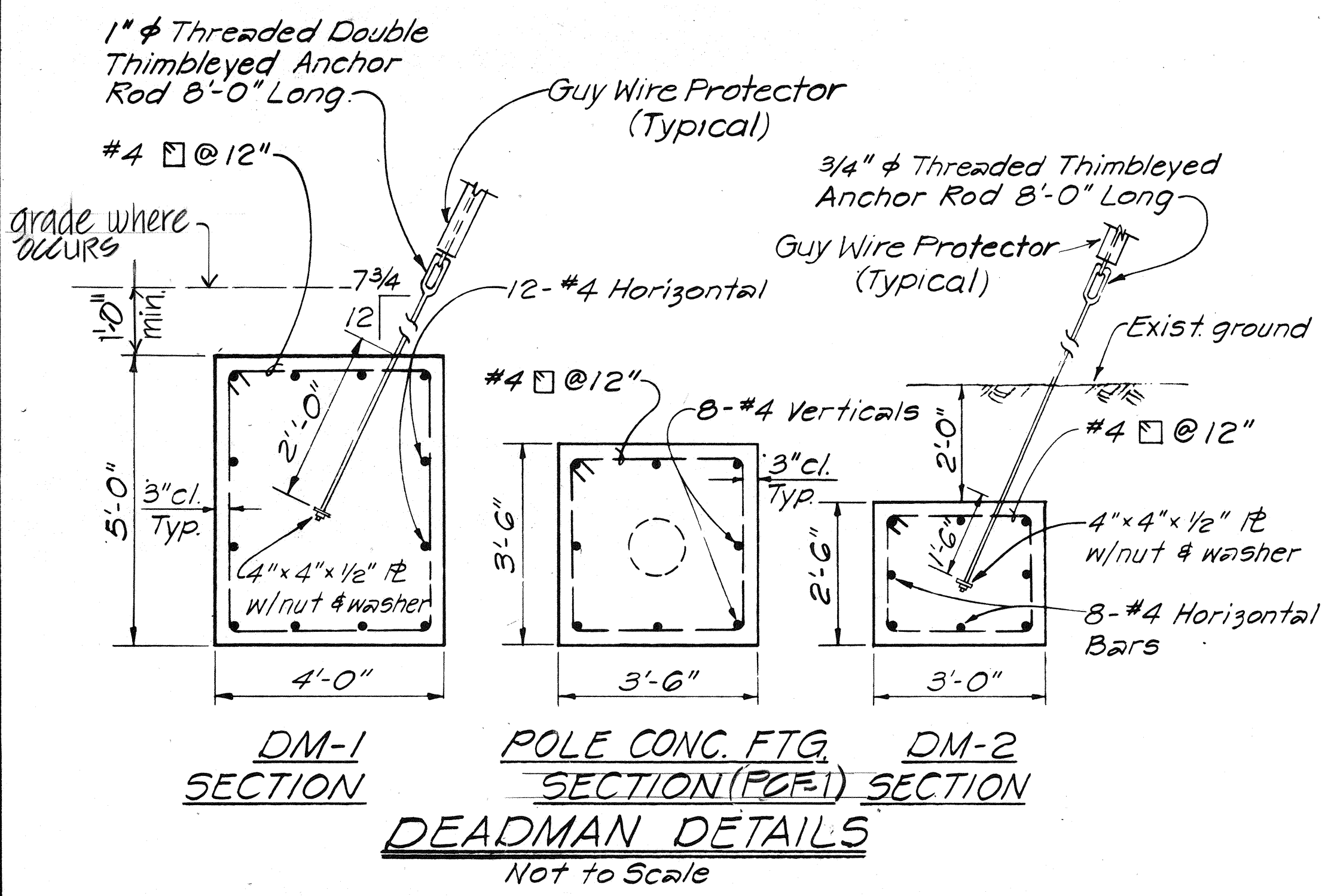
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
By: Edwin H. Maruyama
Fujita & Associates

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

SCALE: AS NOTED
AUGUST 1986
SHEET No. 7 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(2)	1987	50	138

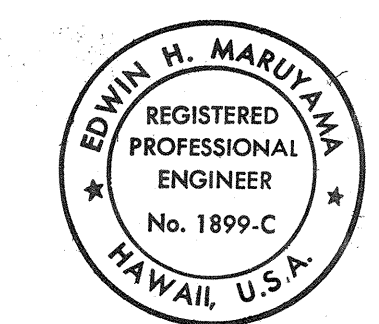


GENERAL NOTES

- DESIGN DATA:
 - Concrete in Deadman & Sign footings shall be of Class B Concrete
 - Reinforced Steel: ASTM A615, Grade 40, $f_s = 20,000$ psi
 - Timber: Modulus of Elasticity = 1,700,000 psi, $f_b = 1,750$ psi
 - Cable: All Cables are 1/2" & Zinc-Coated Steel Strand, Utility Grade, with Ultimate Tensile Strength = 25,000 lb.
 - Steel Pipe: ASTM A-53, Grade B, $f_y = 35,000$ psi
 - Steel Plates: ASTM A-36 $f_y = 36,000$ psi
- SPECIFICATION:

"AASHTO Standard Specification for Structural Support for Highway Signs, Luminaries and Traffic Signals", 1985 with subsequent interim specification.
- All Guy Anchorage Rods and Cable Accessories shall be galvanized.
- All Timber Poles are 35-foot creosoted Douglas Fir or Southern Pine poles, ASA Class 3, with minimum circumferences: At Top = 23 inches, at 6 feet from Butt = 32 inches.
- The Sign Truss & Sign Panels shall be supported during construction until all Cables, including Guys, are installed.
- When installing Guy Cables, the Contractor shall tension the Guys and gradually release the Sign Truss simultaneously so as to keep the Poles plumb.
- The Concrete Footings shall be excavated and poured to neat lines.
- All parts of Sign Truss shall be prime coated with a suitable primer and painted with three coats of dark green enamel.

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



THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION
 By: *Edwin H. Maruyama*
 FUJITA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

TRAFFIC CONTROLS

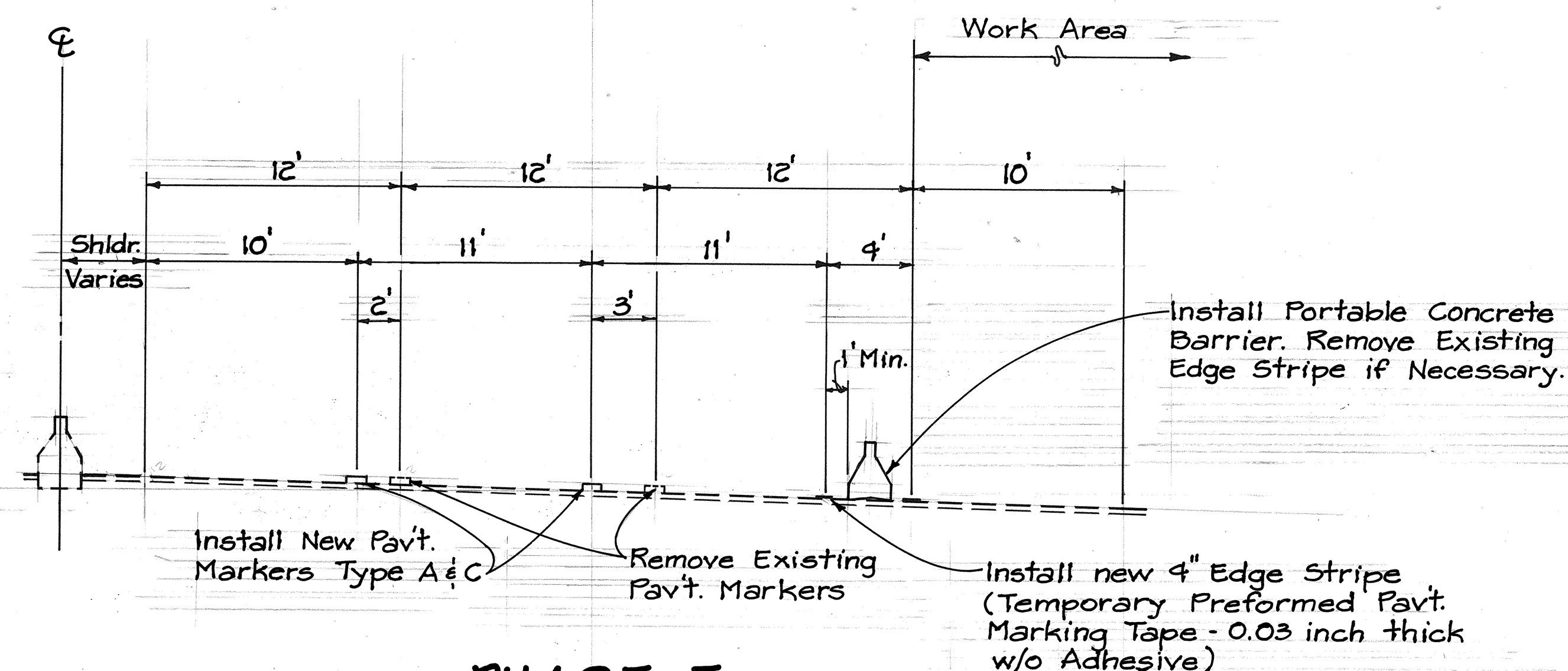
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

SCALE: AS NOTED
SHEET NO. 50 OF 20 SHEETS

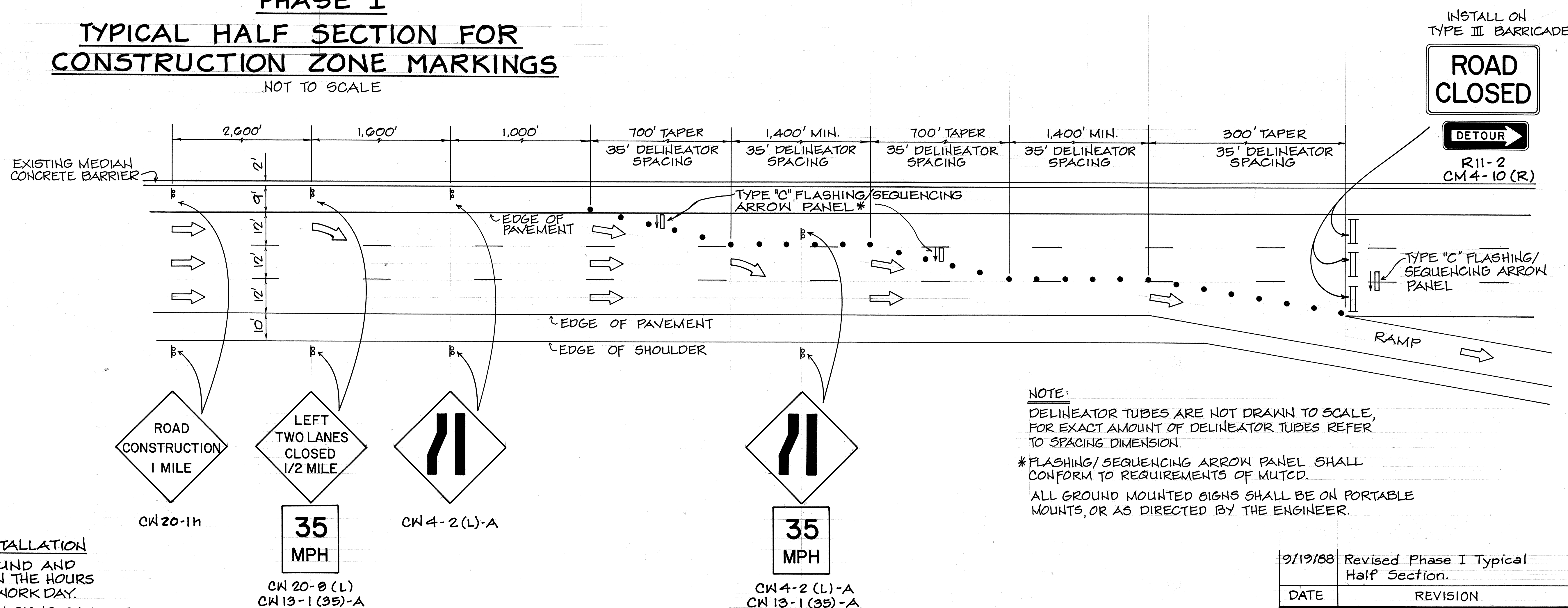
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	C.O.51	130

LEGEND:

- TRAFFIC DELINEATOR (REFLECTORIZED TUBULAR MARKERS)
- TYPE II BARRICADE W/ STEADY BURN LAMP
- TYPE III BARRICADE
- PORTABLE CONCRETE GUARD RAIL WITH STEADY BURN LAMP
- ⊞ SIGN
- DIRECTION OF TRAFFIC
- ⇄ TYPE "C" FLASHING/SEQUENCING ARROW PANEL

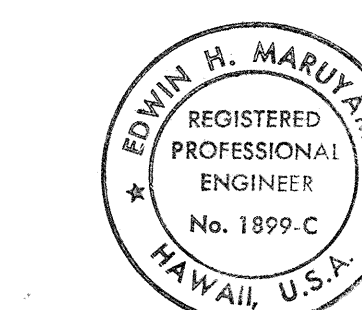


PHASE I TYPICAL HALF SECTION FOR CONSTRUCTION ZONE MARKINGS NOT TO SCALE



FOR OVERHEAD FALSEWORK INSTALLATION
CONTRACTOR SHALL CLOSE INBOUND AND OUTBOUND LANES ONLY BETWEEN THE HOURS OF 10:00 P.M. TO 4:00 A.M. OF A WORK DAY.
LOCATIONS FOR ALL CONSTRUCTION SIGNS SHALL BE APPROVED IN THE FIELD BY THE ENGINEER.

TYPICAL FALSEWORK INSTALLATION DETOUR PLAN NOT TO SCALE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
By: *Edwin H. Maruyama*
FUJITA & ASSOCIATES

9/19/88	Revised Phase I Typical Half Section.
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS

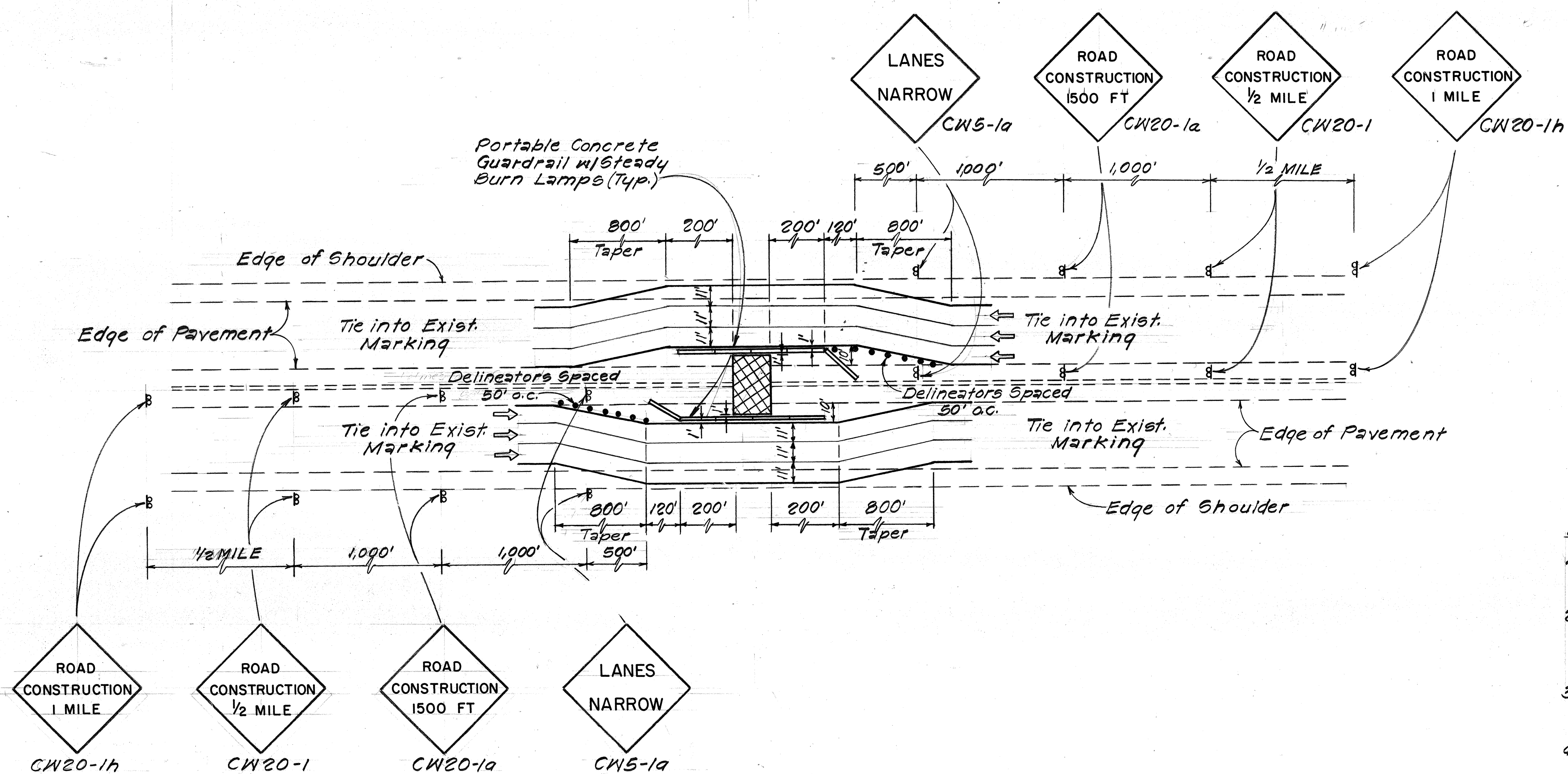
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

NOT TO SCALE AUGUST 1986
SHEET No. 9 OF 20 SHEETS

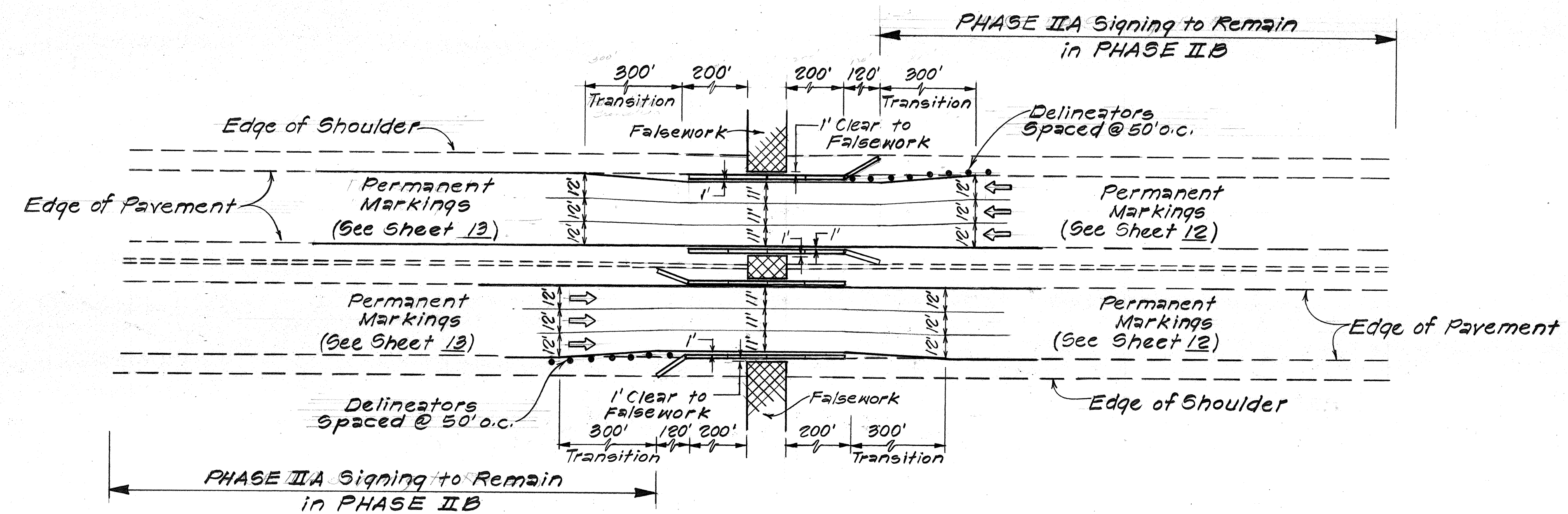
C.O. 51

SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
QUANTITIES BY	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1989	52	138



PHASE IIA
GUARDRAIL INSTALLATION FOR FALSEWORK
Not to Scale



PHASE IIB
GUARDRAIL INSTALLATION FOR FALSEWORK
Not to Scale

NOTES:

1. LOCATION FOR ALL CONSTRUCTION SIGNS SHALL BE APPROVED IN THE FIELD BY THE ENGINEER.
2. INSTALL TUBE DELINEATORS @ 50' SPACING ALONG ALL PORTABLE CONCRETE GUARDRAILS OR AS DIRECTED BY THE ENGINEER.
3. FLASHING/SEQUENCING ARROW PANEL SHALL CONFORM TO REQUIREMENTS OF MUTCO.
4. FALSEWORK FOR STRUCTURE SHALL PROVIDE FOR A MINIMUM 14'-0" VERTICAL CLEARANCE AT TRAVELWAY IH-2.
5. PHASE II TRAFFIC CONTROLS SHALL BE DONE IN TWO PHASES, IIA and IIB. IMPLEMENTATION OF PHASE IIB SHALL NOT START UNTIL COMPLETION OF PHASE IIA, OR AS DETERMINED BY THE ENGINEER.

4-28-89 Revised Phase II Detour by Deleting Lane Closure.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. No. IR-H2-1(21)

Not to Scale Date: Apr. 1989

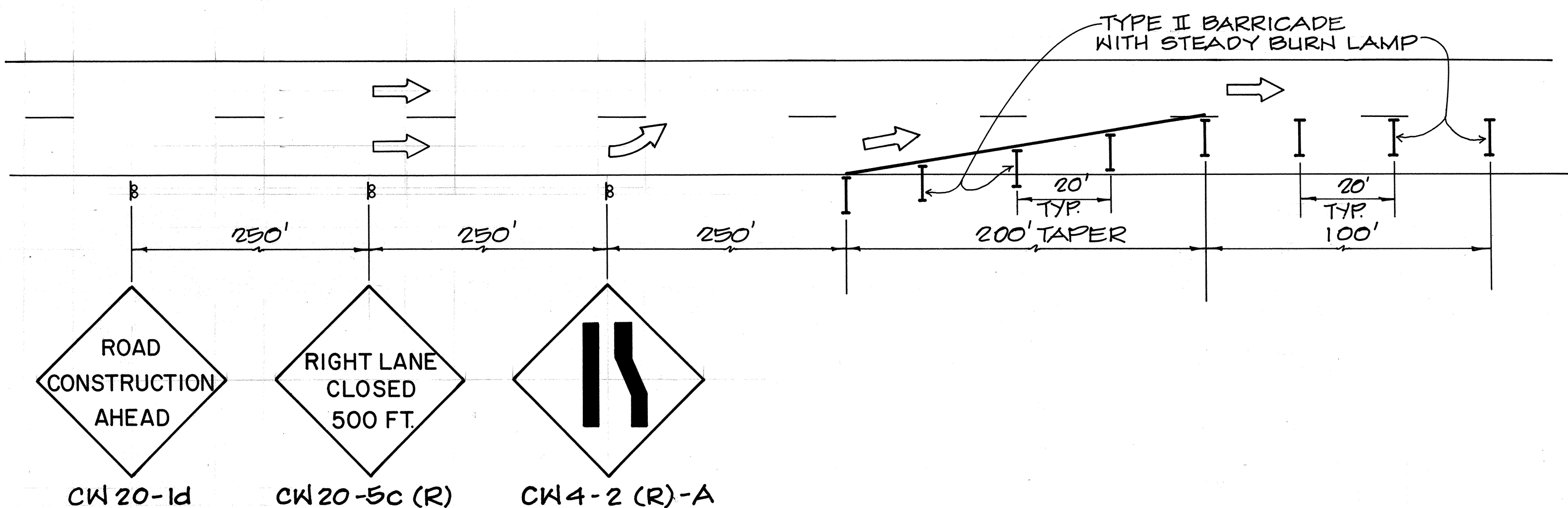
SHEET NO. 10 OF 20 SHEETS

NOTE: Supersedes Plan Sht. No. 52.

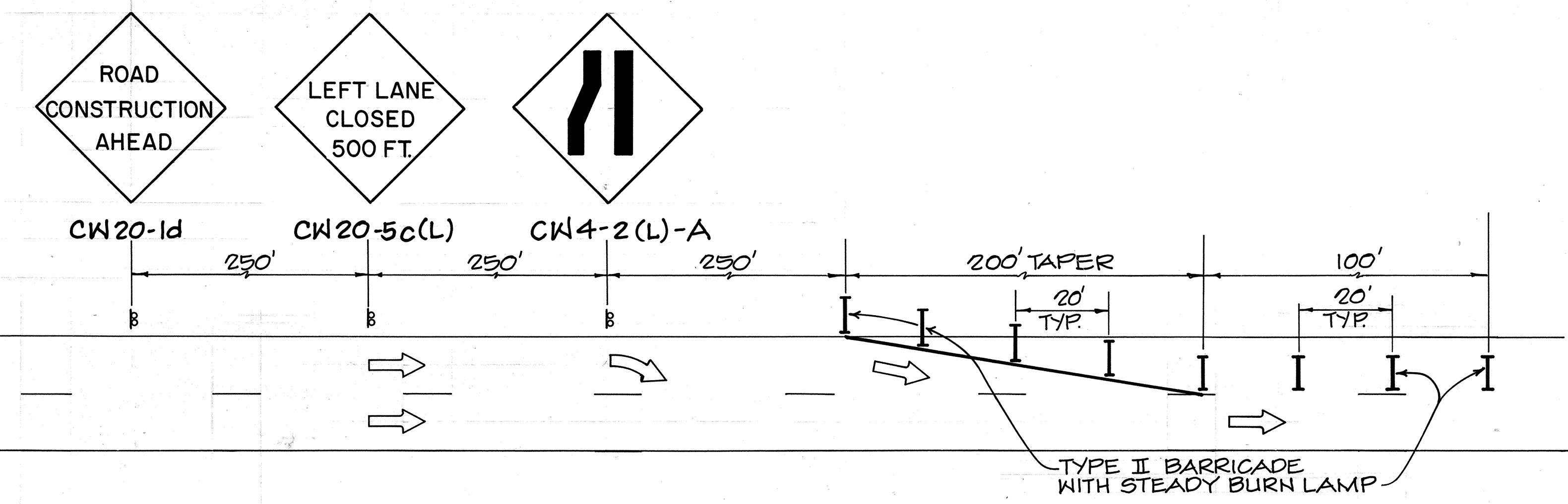
C.O. 52

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

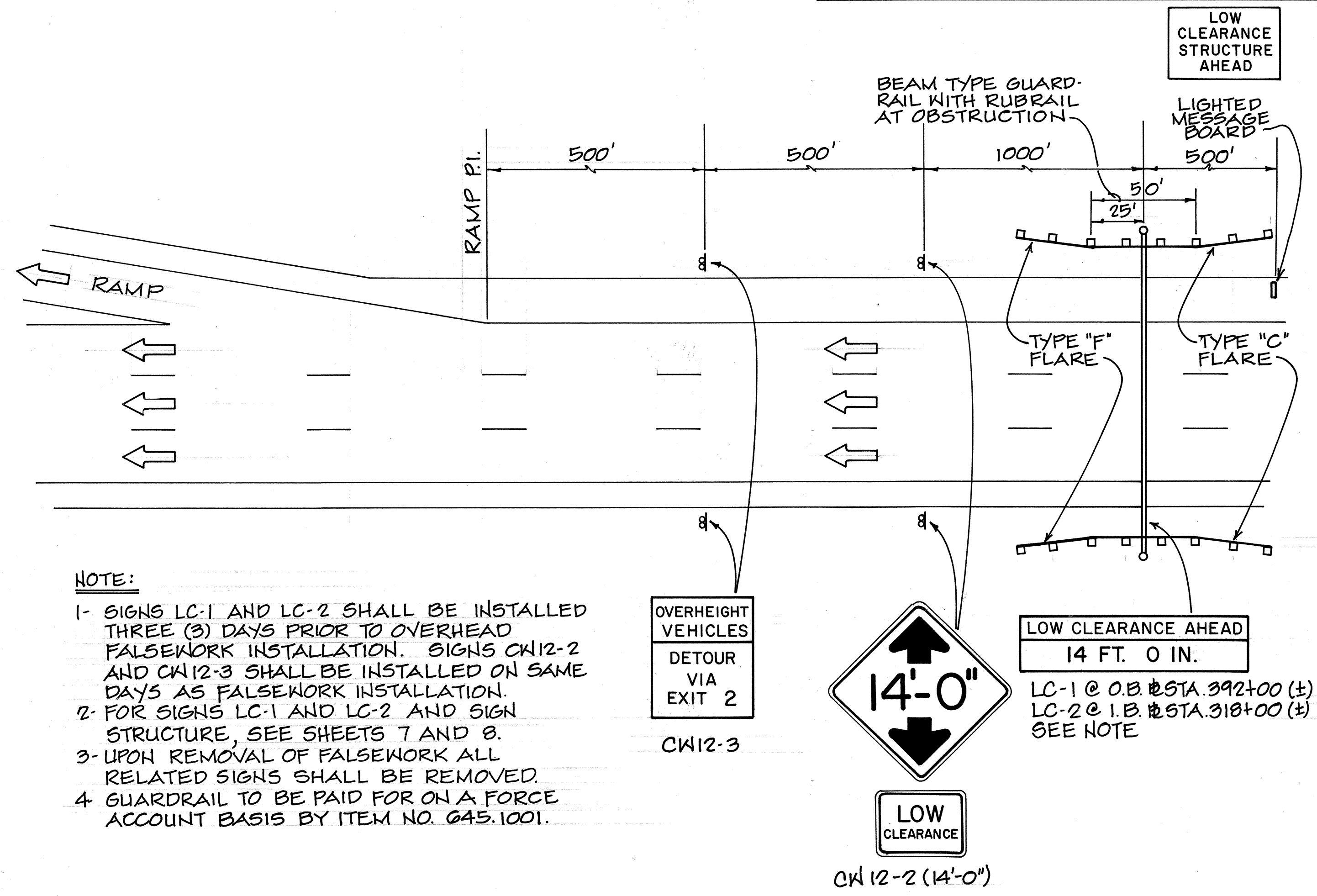
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	53	138



ROADWAY DELINEATION TO THE LEFT
NOT TO SCALE



ROADWAY DELINEATION TO THE RIGHT
NOT TO SCALE



- NOTE:**
- 1- SIGNS LC-1 AND LC-2 SHALL BE INSTALLED THREE (3) DAYS PRIOR TO OVERHEAD FALSEWORK INSTALLATION. SIGNS CW12-2 AND CW12-3 SHALL BE INSTALLED ON SAME DAYS AS FALSEWORK INSTALLATION.
 - 2- FOR SIGNS LC-1 AND LC-2 AND SIGN STRUCTURE, SEE SHEETS 7 AND 8.
 - 3- UPON REMOVAL OF FALSEWORK ALL RELATED SIGNS SHALL BE REMOVED.
 - 4- GUARDRAIL TO BE PAID FOR ON A FORCE ACCOUNT BASIS BY ITEM NO. 645.1001.

TYPICAL LOW CLEARANCE SIGNING
NOT TO SCALE

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

EDWIN H. MARIYAMA
REGISTERED PROFESSIONAL ENGINEER
No. 1899-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
By: *Edwin H. Mariyama*
Fujita & Associates

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROLS

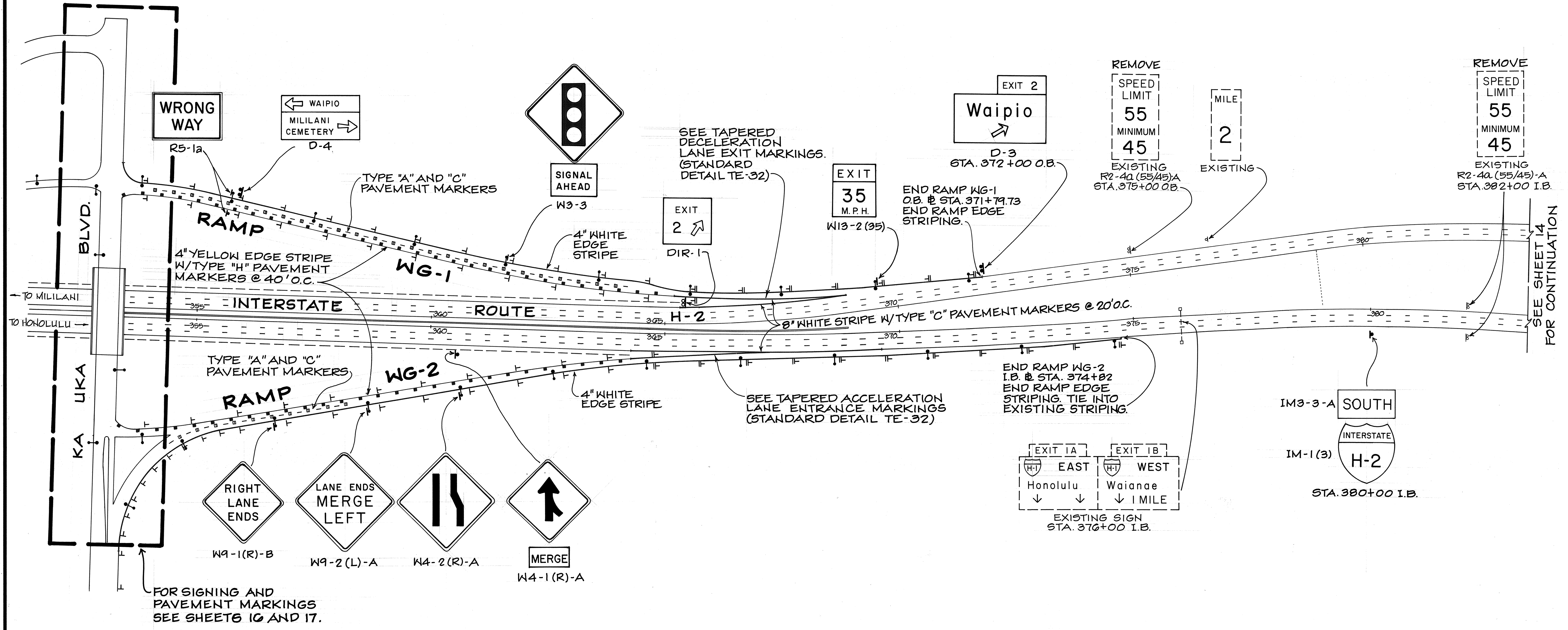
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

NOT TO SCALE
SHEET NO. 11 OF 20 SHEETS

AUGUST 1986

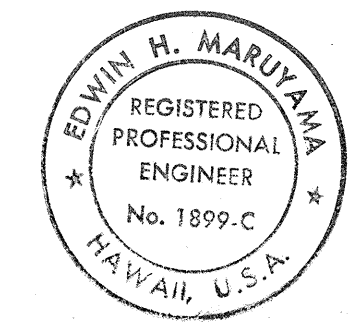
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	54	138

TRUE NORTH
SCALE: 1" = 100'



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

SIGNING AND PAVEMENT MARKINGS



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Fujita & Associates

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKINGS

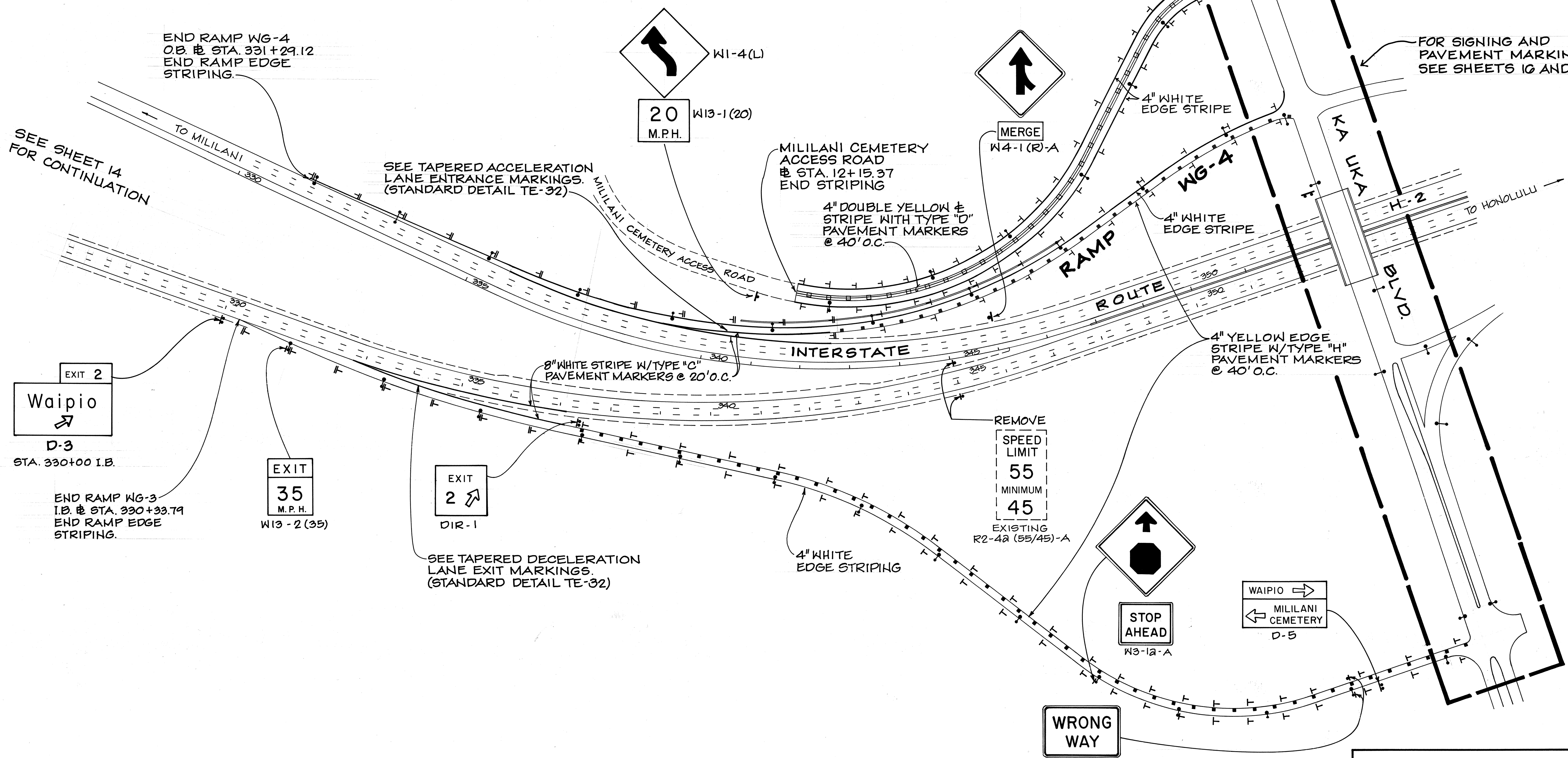
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

SCALE: 1" = 100' OCTOBER 1987

SHEET No. 12 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1R-H2-1(21)	1987	55	138

TRUE NORTH
SCALE: 1" = 100'



EXIT 2
Waipio
D-3
STA. 330+00 I.B.

END RAMP WG-3
I.B. @ STA. 330+33.79
END RAMP EDGE STRIPING.

EXIT
35
M.P.H.
W13-2(35)

EXIT
2
DIR-1

SEE TAPERED DECELERATION
LANE EXIT MARKINGS.
(STANDARD DETAIL TE-32)

20
M.P.H.
W13-1(20)

SEE TAPERED ACCELERATION
LANE ENTRANCE MARKINGS.
(STANDARD DETAIL TE-32)

MILILANI CEMETERY
ACCESS ROAD
@ STA. 12+15.37
END STRIPING

4" DOUBLE YELLOW &
STRIPE WITH TYPE "D"
PAVEMENT MARKERS
@ 40' O.C.

8" WHITE STRIPE W/TYPE "C"
PAVEMENT MARKERS @ 20' O.C.

MERGE
W4-1(R)-A

REMOVE
SPEED LIMIT
55
MINIMUM
45
EXISTING
R2-4a (55/45)-A

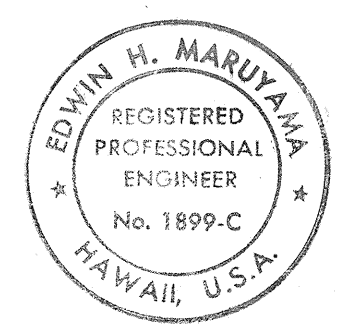
STOP AHEAD
W3-1a-A

WRONG WAY
R5-1a

WAIPIO
MILILANI CEMETERY
D-5

FOR SIGNING AND
PAVEMENT MARKINGS
SEE SHEETS 16 AND 17.

SIGNING AND PAVEMENT MARKINGS



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Fujita & Associates

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKINGS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. 1R-H2-1(21)

SCALE: 1" = 100' OCTOBER 1987

SHEET NO. 13 OF 20 SHEETS

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

B-5-6

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	50	138

TRUE NORTH
SCALE: 1"=100'

TRUE NORTH
SCALE: 1"=100'

NORTH IM3-1-A

INTERSTATE
H-2 IM-1(2)

STA. 326+00 O.B.

MILE
3
EXISTING

MILE
3
EXISTING

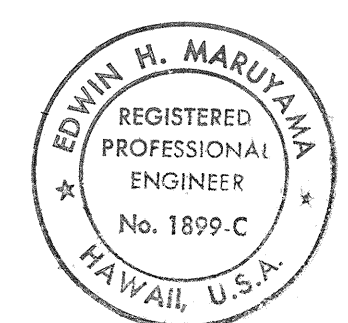
SEE SHEET 13 FOR CONTINUATION.

Mililani 4
Wheeler AFB 6
Wahiawa 7

EXISTING SIGN
STA. 425+00 O.B.

EAST WEST
Waipahu
Pearl City

EXISTING SIGN
STA. 425+00 I.B.



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By: *Edwin H. Maruyama*
Fujita & Associates

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKINGS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

SCALE: 1"=100' AUGUST 1986

SHEET No. 14 OF 20 SHEETS

SPEED LIMIT
55
MINIMUM
45

R2-4a(55/45)-A R2-1(55)-A
STA. 316+00 O.B.

REMOVE
SPEED LIMIT
55
MINIMUM
45

EXISTING
R2-4a(55/45)-A
STA. 320+00 O.B.

EXITS IAB
Honolulu
Waianae
2 MILES

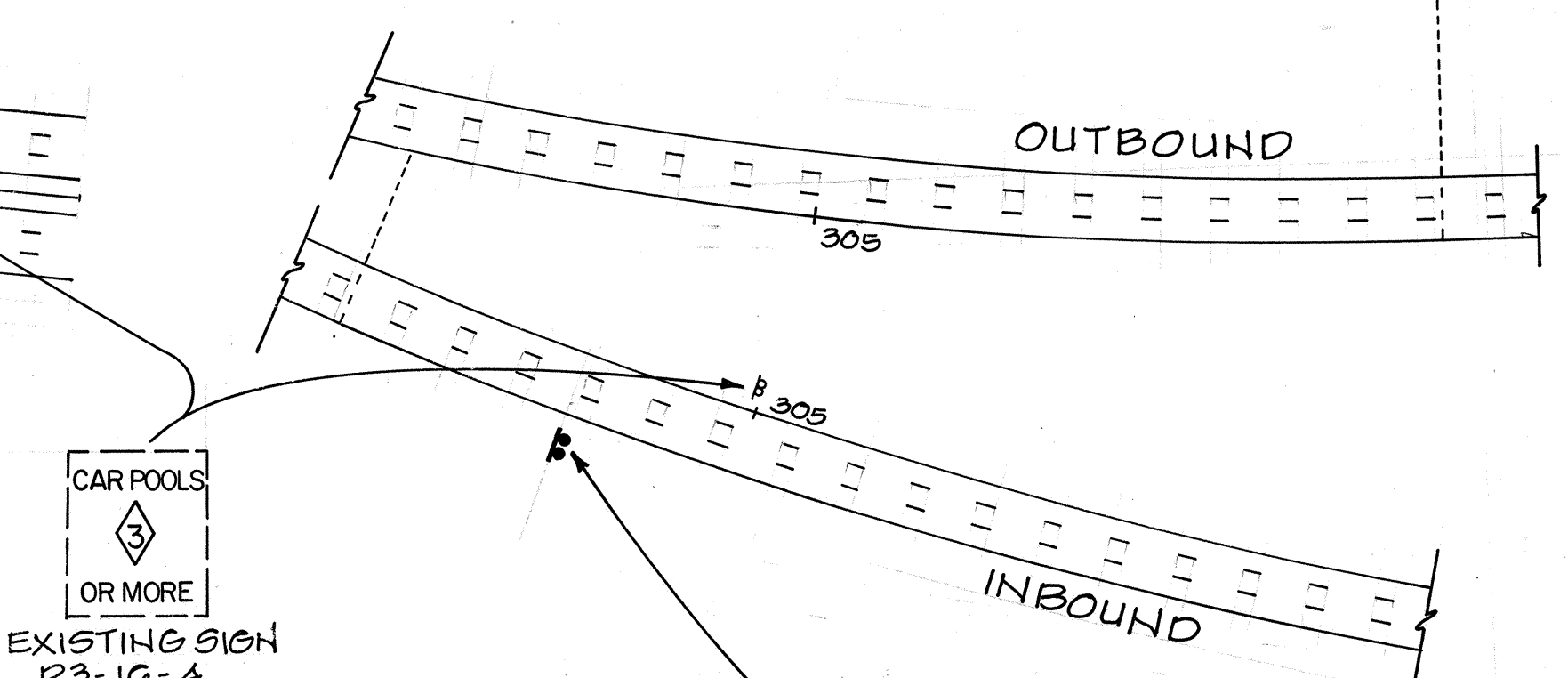
EXISTING SIGN
STA. 320+00 I.B.

SPEED LIMIT
55
MINIMUM
45

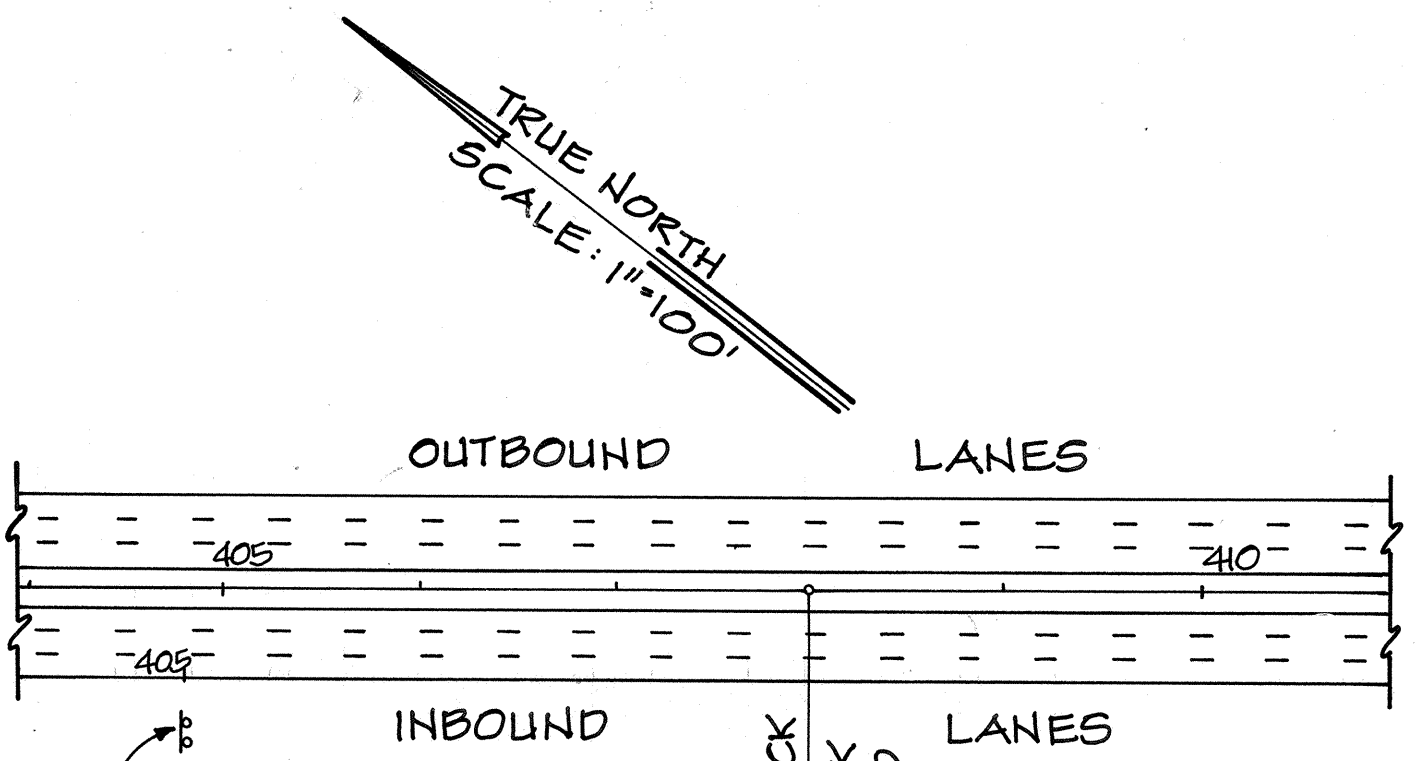
EXISTING
R2-4a(55/45)-A
STA. 415+25 O.B.

EXIT 1A EAST
Honolulu
EXIT 1B WEST
Waianae

EXISTING SIGN
STA. 415+00 I.B.



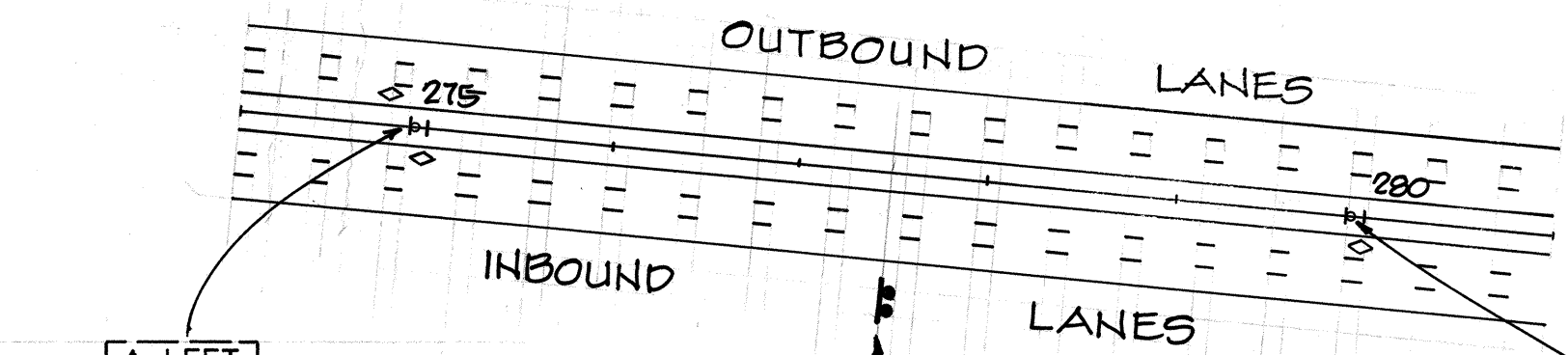
EXIT 2
Waipio
1/2 MILE
D-2
STA. 304+00 I.B.



Waipahu
Pearl City
Right Lane
EXISTING SIGN
STA. 405+00 I.B.

EQUATION STATION
I.B. @ STA. 408+17.51 BACK
@ STA. 407+49.55 BACK
@ STA. 408+00 AHEAD

EXIT 2
Waipio
1 MILE
D-1
STA. 277+50 I.B.



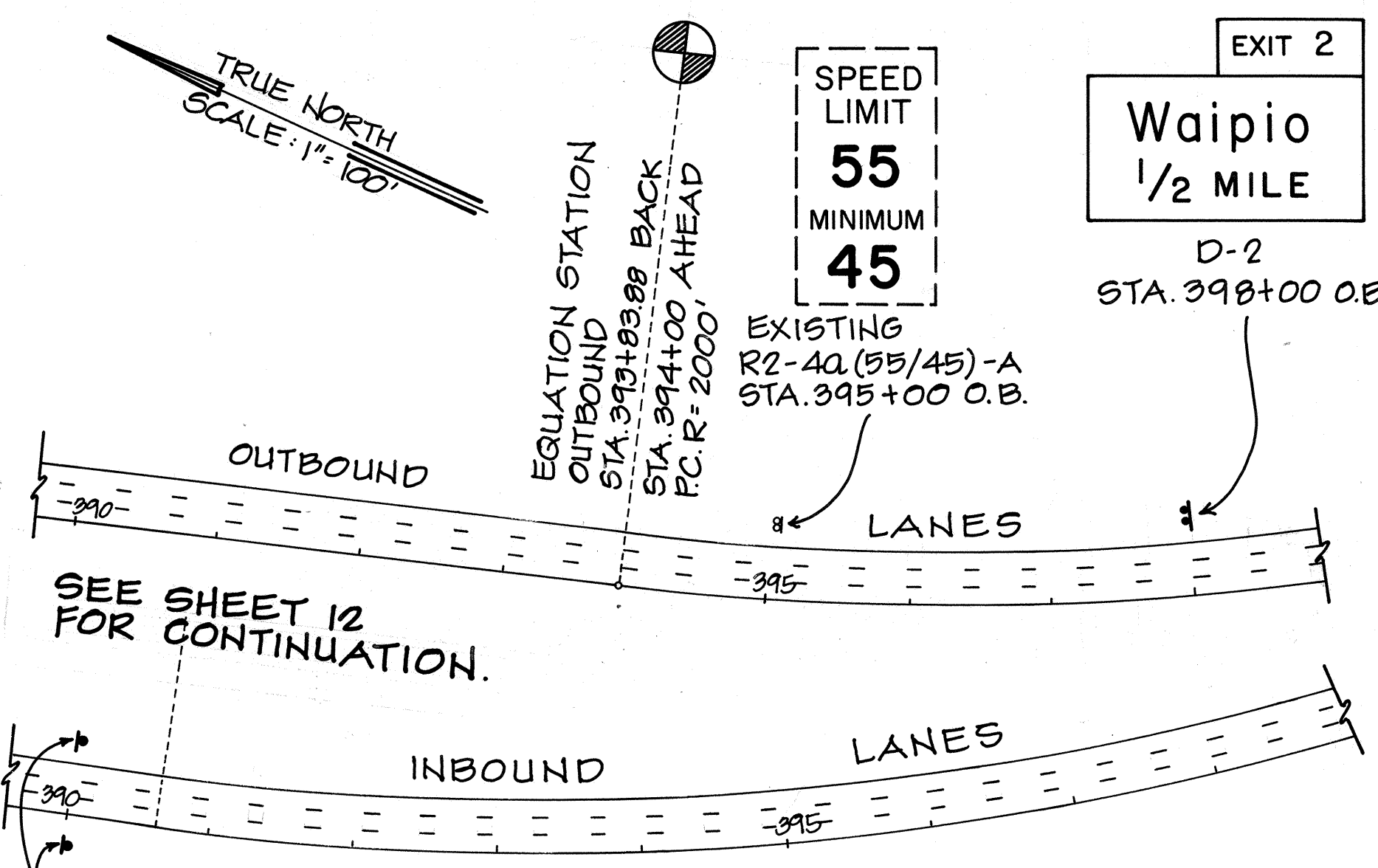
LEFT LANE
BUSES AND
CAR POOLS
ONLY
24 HRS
EXISTING SIGN
R3-17-A

CAR POOLS
OR MORE
EXISTING SIGN
R3-16-A

SPEED LIMIT
55
MINIMUM
45

EXISTING
R2-4a(55/45)-A
STA. 395+00 O.B.

EXIT 2
Waipio
1/2 MILE
D-2
STA. 398+00 O.B.



SEE SHEET 12 FOR CONTINUATION.

SPEED LIMIT
55
MINIMUM
45

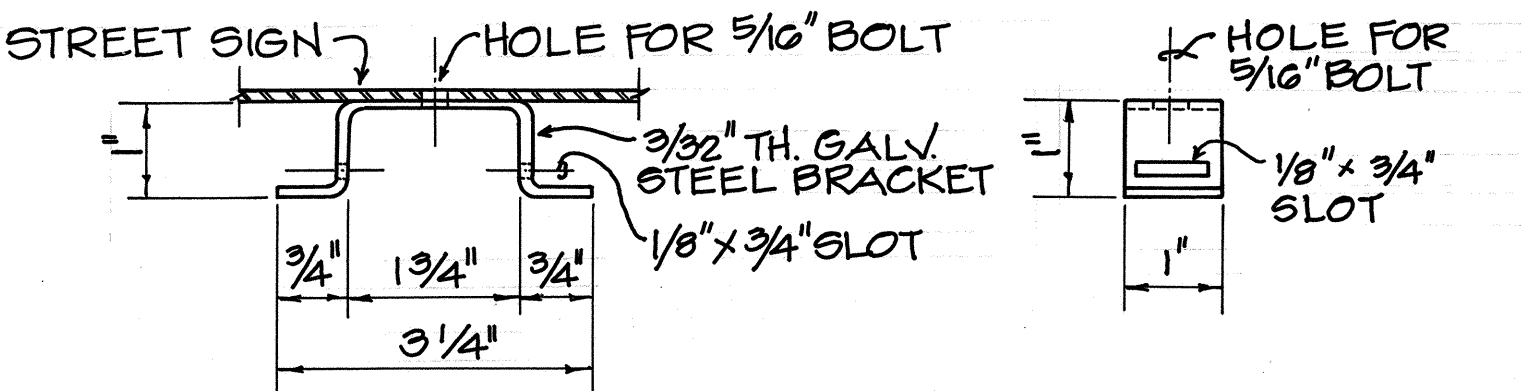
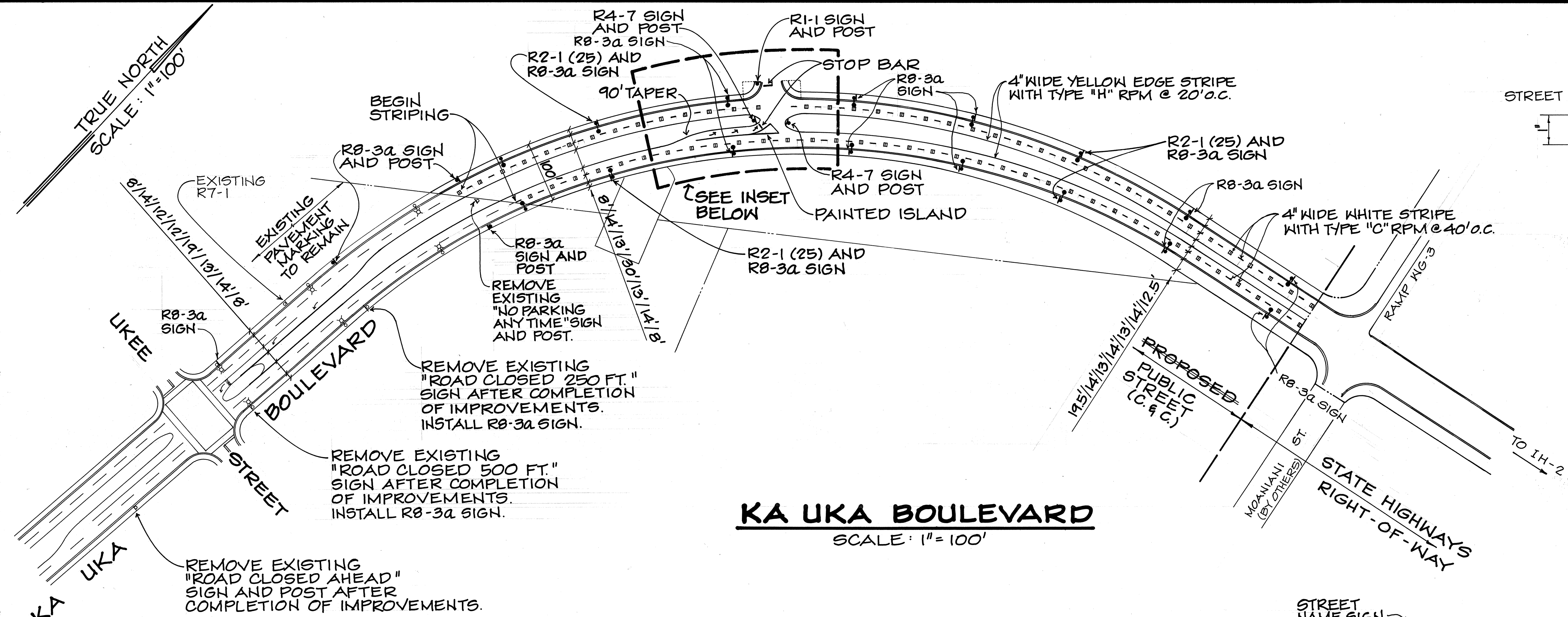
R2-4a(55/45)-A R2-1(55)-A
STA. 390+00 I.B.

EQUATION STATION
OUTBOUND
STA. 393+00.00 BACK
STA. 394+00 AHEAD
P.C. R=2000'

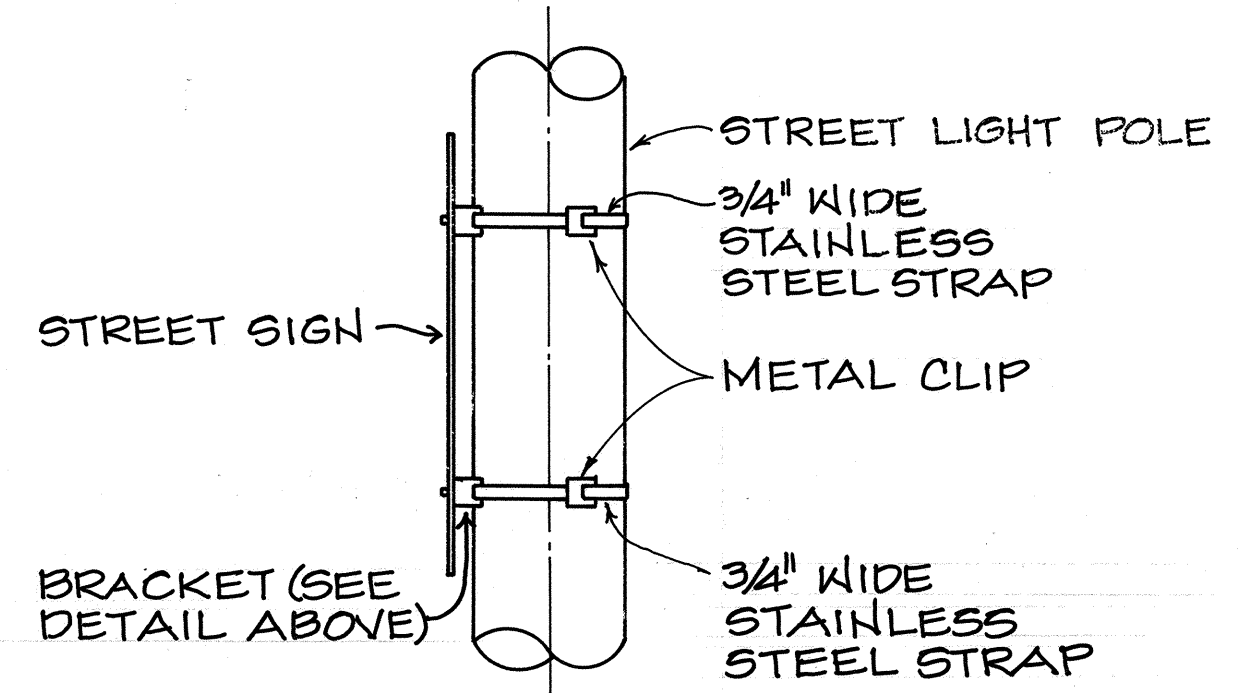
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

"AS-BUILT"

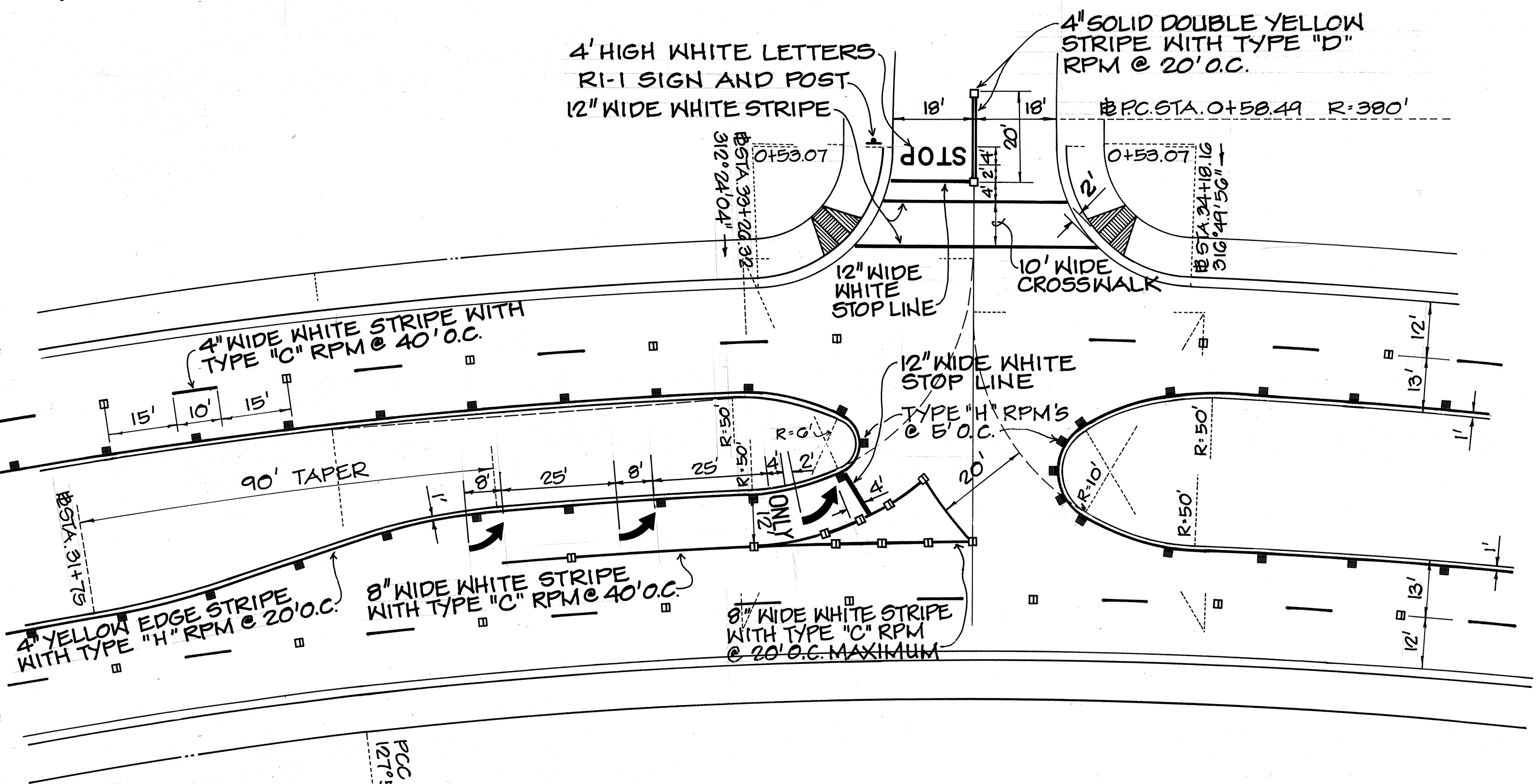
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	57	138



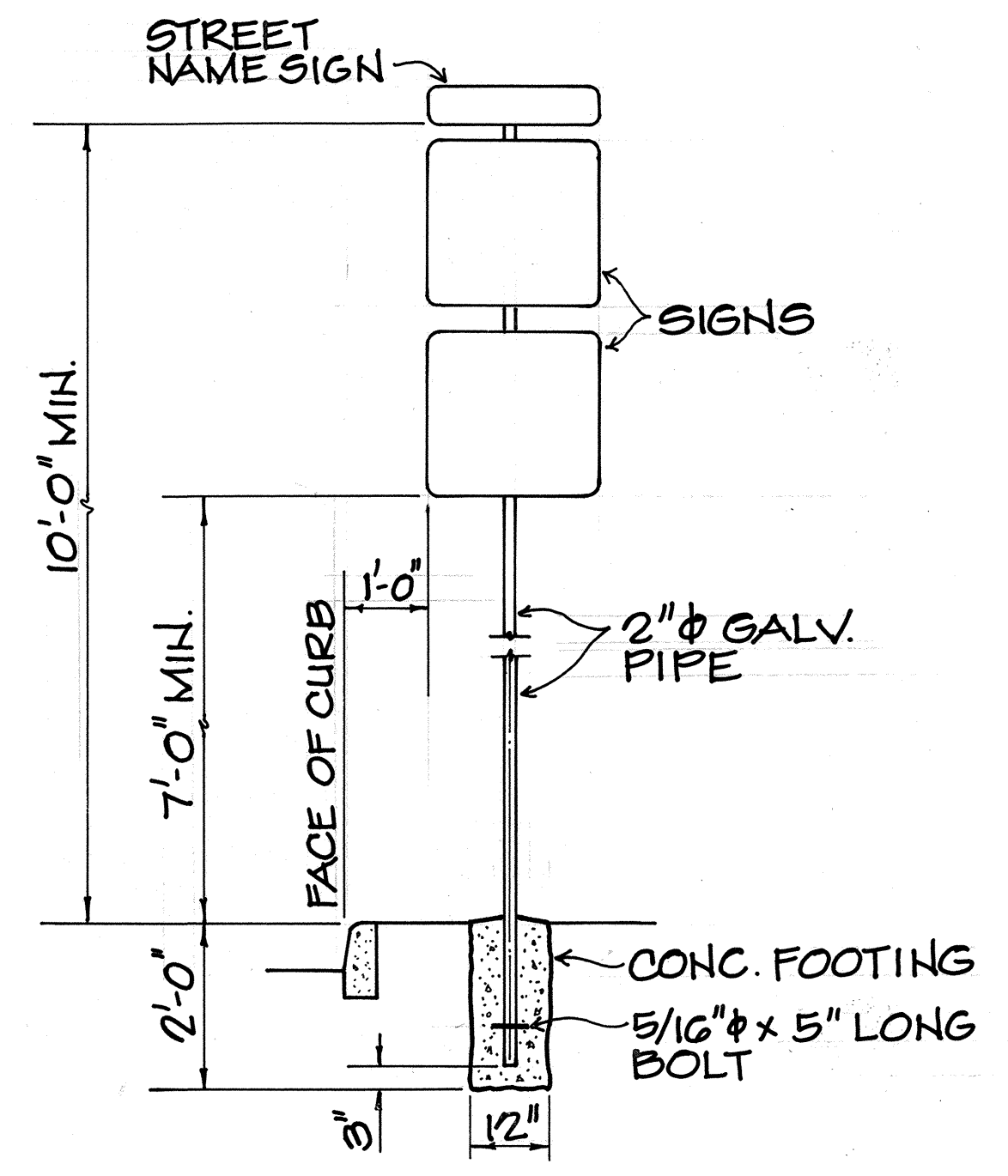
BRACKET DETAIL
NOT TO SCALE



STRAP MOUNTING DETAIL
NOT TO SCALE

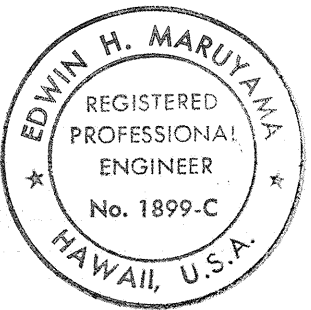


INSET
SCALE: 1" = 20'

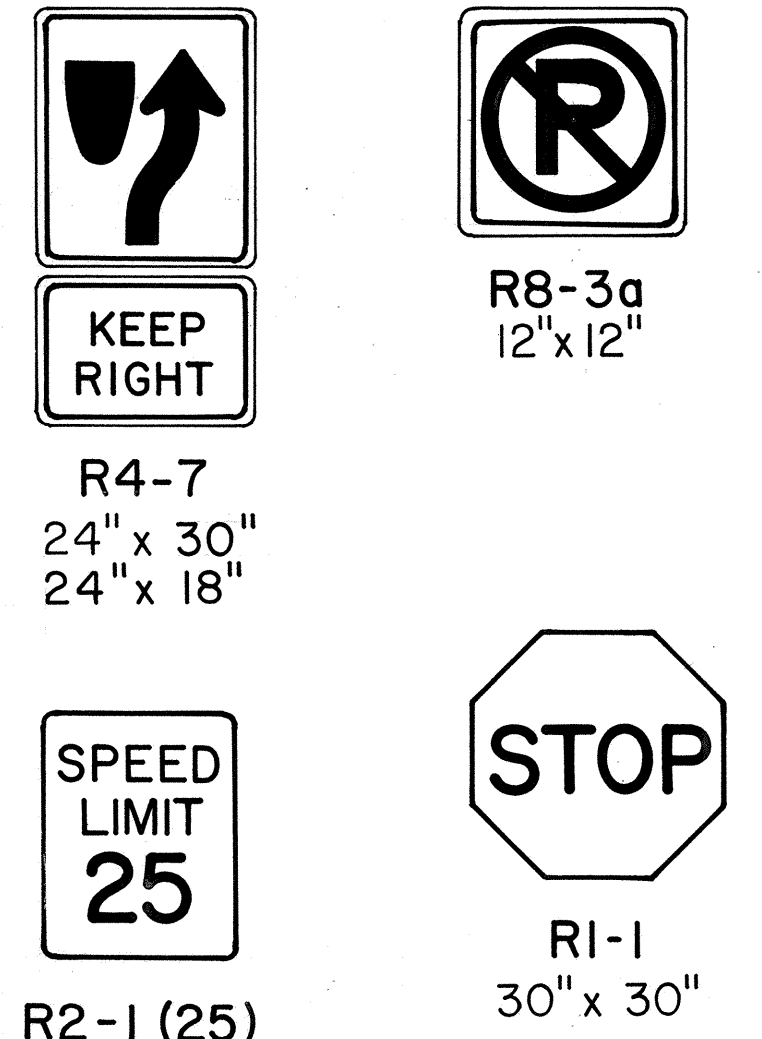


TYPICAL SECTION
SIGN POST
SCALE: 1/2" = 1'-0"

- NOTES:
- 1- INSTALL "STREET NAME" SIGN CENTER OF CURB RETURN OR ON MAIN STREET SIDE OF WHEEL CHAIR RAMP. (By Others)
 - 2- LOCATION OF STOP SIGN:
 - A. INSTALL "STOP" SIGN AT CURB RETURN TANGENT POINT.
 - B. INSTALL "STOP" SIGN ON METAL STREET LIGHT STANDARD IF THE LIGHT STANDARD IS LOCATED WITHIN 10' OF CURB RETURN.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
By *Edwin H. Maruyama*
FUTATA & ASSOCIATES



APPROVED: *Don T. Kaula* 6/4/87
DIRECTOR, DEPARTMENT OF TRANSPORTATION SERVICES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKINGS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

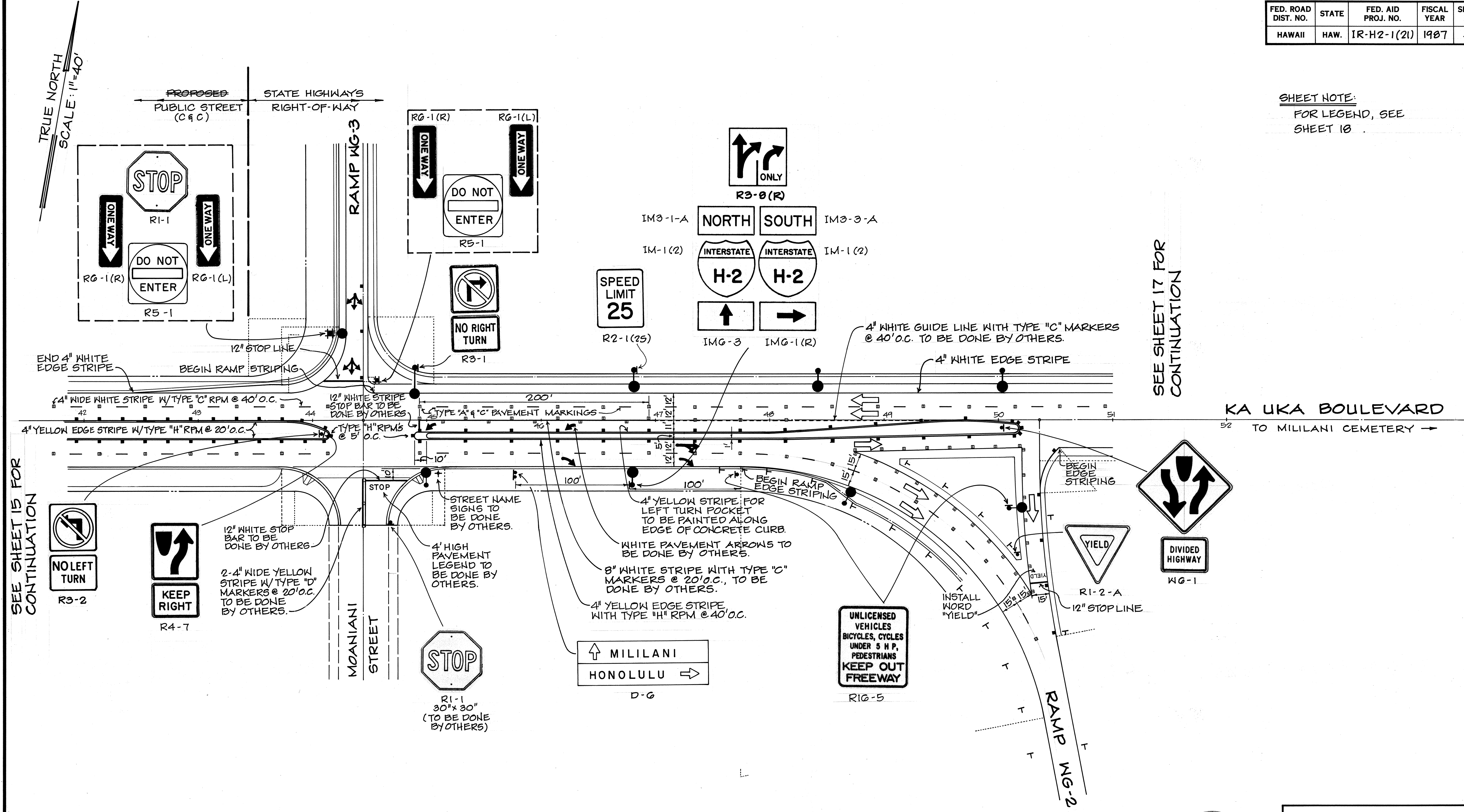
SCALE: AS NOTED
JUNE 1987

SHEET NO. 15 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	58	138

SHEET NOTE:
FOR LEGEND, SEE
SHEET 18

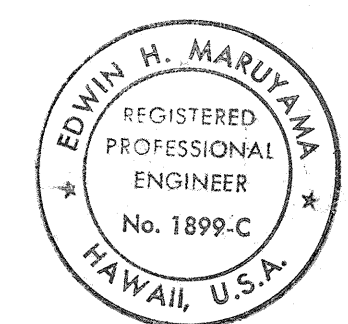
SEE SHEET 17 FOR
CONTINUATION



SEE SHEET 15 FOR
CONTINUATION

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

KA UKA BLVD. SIGNING AND STRIPING



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By: *Edwin H. Maruyama*
Fujita & Associates

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

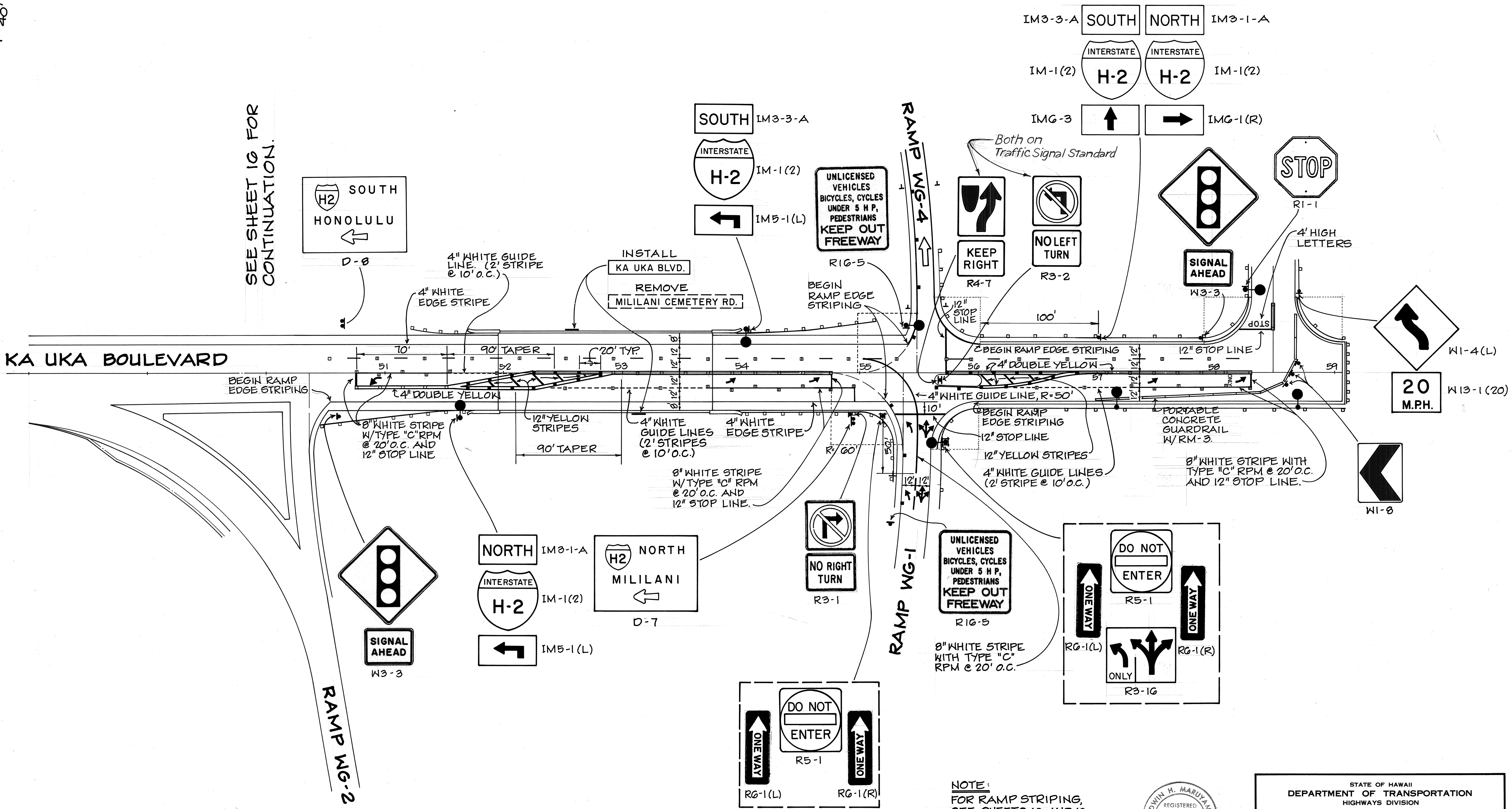
SIGNING AND PAVEMENT MARKINGS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)
SCALE: 1" = 40'
OCTOBER 1987
SHEET No. 16 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	59	138

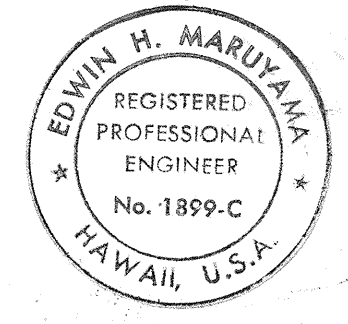
TRUE NORTH
SCALE: 1" = 40'

SEE SHEET 16 FOR CONTINUATION.



KA UKA BLVD. SIGNING AND STRIPING

NOTE:
FOR RAMP STRIPING,
SEE SHEETS 12 AND 13.



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ME OR UNDER MY SUPERVISION
By: *Edwin H. Maruyama*
RUITA & ASSOCIATES

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKINGS

INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)

SCALE: 1" = 40' OCTOBER 1987
SHEET No. 17 OF 20 SHEETS

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

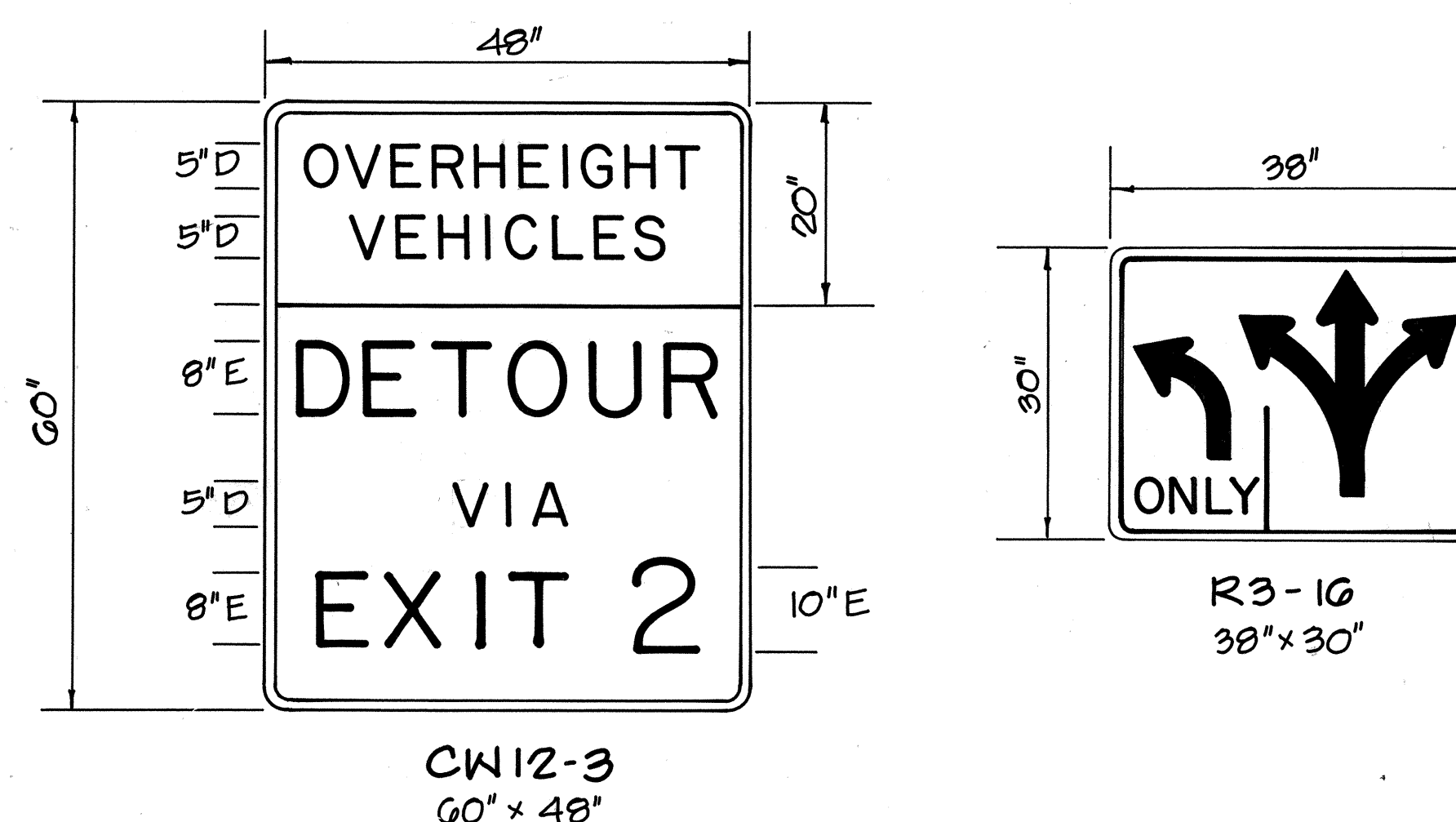
"AS-BUILT"

TRAFFIC SIGN SUMMARY

TYPE	DESCRIPTION	QUANTITY	
		W/ POST(S)	W/O POST(S)
R1-1	STOP	1	2
R1-2-A	YIELD	1	
R2-1 (25)	SPEED LIMIT - 25		5
R2-4a (55/45)-A	SPEED LIMIT - 55 / MINIMUM 45	4	
R3-1	NO RIGHT TURN	1	1
R3-2	NO LEFT TURN		2
R3-8 (R)	↑		1
R3-16	↖ ↗		1
R4-7	KEEP RIGHT	4	
R5-1	DO NOT ENTER	4	
R5-1a	WRONG WAY	2	2
R6-1 (L)	← ONE WAY		4
R6-1 (R)	ONE WAY →		4
R8-3a	NO PARKING ANYTIME	3	15
R16-5	UNLICENSED VEHICLES... KEEP OUT FREEWAY	2	2
W1-4 (L)	↑	2	
W3-1a-A	STOP AHEAD		1
W3-3	SIGNAL AHEAD	2	1
W4-1 (R)-A	MERGE ↗	2	
W4-2 (R)-A	||		1
W6-1	DIVIDED HIGHWAY	1	
W9-1 (R)-B	RIGHT LANE ENDS		1
W9-2 (L)-A	LANE END MERGE LEFT		1
W13-1 (20)	20 MPH		2
W13-2 (35)	EXIT 35 MPH		2
D-1	EXIT WAIPIO 1 MILE	1	
D-2	EXIT WAIPIO 1/2 MILE	2	
D-3	EXIT WAIPIO ↗	2	
D-4	← WAIPIO MILILANI CEMETERY →	1	
D-5	WAIPIO → ← MILILANI CEMETERY	1	
D-6	↑ MILILANI HONOLULU →	1	
D-7	IH-2 NORTH MILILANI ←	1	
D-8	IH-2 SOUTH HONOLULU ←	1	
DIR-1	EXIT 2 ↗	2	
I (2)	INTERSTATE H-2, NORTH ↙		1
I (2)	INTERSTATE H-2, SOUTH ↙		1
I (2) TYPE "B"	INTERSTATE H-2, NORTH →, SOUTH ↑	1	
I (2) TYPE "B"	INTERSTATE H-2, NORTH ↑, SOUTH →		1
I (3)	INTERSTATE H-2, NORTH	1	
I (3)	INTERSTATE H-2, SOUTH	1	
RM-2	REFLECTOR MARKERS	38	2
ST. NAME SIGN	KA UKA BLVD.		2
RM-1	REFLECTOR MARKERS	160	5
W1-8	< (CHEVRON ALIGNMENT)	3	

PAVEMENT MARKING LEGEND:

- — □ — □ 4 EACH TYPE "A" RAISED PAVEMENT MARKERS
- TYPE "C" RAISED PAVEMENT MARKER
- TYPE "D" RAISED PAVEMENT MARKER
- TYPE "H" RAISED PAVEMENT MARKER
- □ □ □ □ 8" WHITE CHANNELING LINE W/ TYPE "C" MARKERS @ 20'-0" O.C.
- ■ ■ ■ ■ 4" YELLOW EDGE STRIPE W/ TYPE "H" PAVEMENT MARKERS @ 40'-0" O.C.
- 4" EDGE STRIPE (COLOR AND LIMITS AS SHOWN ON LAYOUTS AND STANDARD DETAILS.)
- PAVEMENT ARROW
- ONLY PAVEMENT WORD
- □ □ □ □ 4" DOUBLE YELLOW STRIPE WITH TYPE "D" PAVEMENT MARKERS @ 20'-0" O.C.
- ■ ■ ■ ■ 4" DOUBLE YELLOW STRIPE WITH TYPE "H" PAVEMENT MARKERS @ 20'-0" O.C.
- ← DIRECTION OF TRAFFIC
- ↑ ↓ REGULATORY OR WARNING SIGN WITH POST(S), GROUND MOUNTED DESTINATION (D) OR DIRECTIONAL (DIR) SIGN.
- RM-1 WITH POST
- RM-2 WITH POST



MISCELLANEOUS SIGNS

NOT TO SCALE

NOTE:

- ALL SIGNS SHOWN ABOVE SHALL CONFORM TO PLANS AND SPECIFICATIONS FOR REGULATORY AND WARNING SIGNS, EXCEPT WHERE NOTED.
- SIGN R3-16 IS A VARIATION OF SIGN R3-8. PLATE AND ARROW DETAILS SHALL CONFORM TO SIGN R3-8.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	60	138

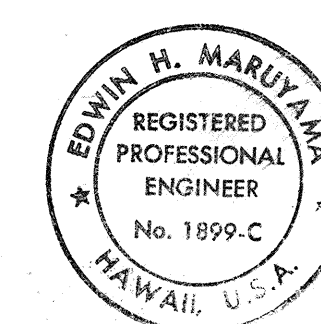
GENERAL NOTES:

- EXISTING PAVEMENT MARKINGS NOT INCORPORATED IN THE FINAL TRAFFIC PATTERN SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ALL COSTS SHALL BE INCIDENTAL TO THE CONTRACT ITEM NO. 029, "PAVEMENT STRIPING, MARKING AND MARKERS".
- FOR ADDITIONAL PAVEMENT MARKING DETAILS AND LEGEND, SEE STANDARD SHEETS TE-30, 31, 32, 33
- ALL REGULATORY AND WARNING SIGNS SHALL HAVE A MINIMUM 7'-0" MOUNTING HEIGHT. FOR DETAILS SEE STANDARD SHEET TE-01.
- EXISTING SIGNS W/POST NOT INCORPORATED IN THE FINAL SIGNING PATTERN SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. ALL COSTS SHALL BE INCIDENTAL TO THE CONTRACT ITEM NO. 021, "DESTINATION, DIRECTIONAL, REGULATORY AND WARNING SIGNS".

PAVEMENT MARKING SUMMARY

DESCRIPTION	QUANTITY
TYPE "A" PAVEMENT MARKERS	300 EACH
TYPE "C" PAVEMENT MARKERS	457 EACH
TYPE "D" PAVEMENT MARKERS	49 EACH
TYPE "H" PAVEMENT MARKERS	348 EACH
PAVEMENT WORDS	5 EACH
PAVEMENT ARROWS	19 EACH
PAVEMENT STRIPING, 4 INCH WHITE	14,220 L.F.
PAVEMENT STRIPING, 4 INCH YELLOW	13,700 L.F.
PAVEMENT STRIPING, 8 INCH WHITE	5,070 L.F.
PAVEMENT STRIPING, 12 INCH WHITE	910 L.F.
PAVEMENT STRIPING, 12 INCH YELLOW	90 L.F.

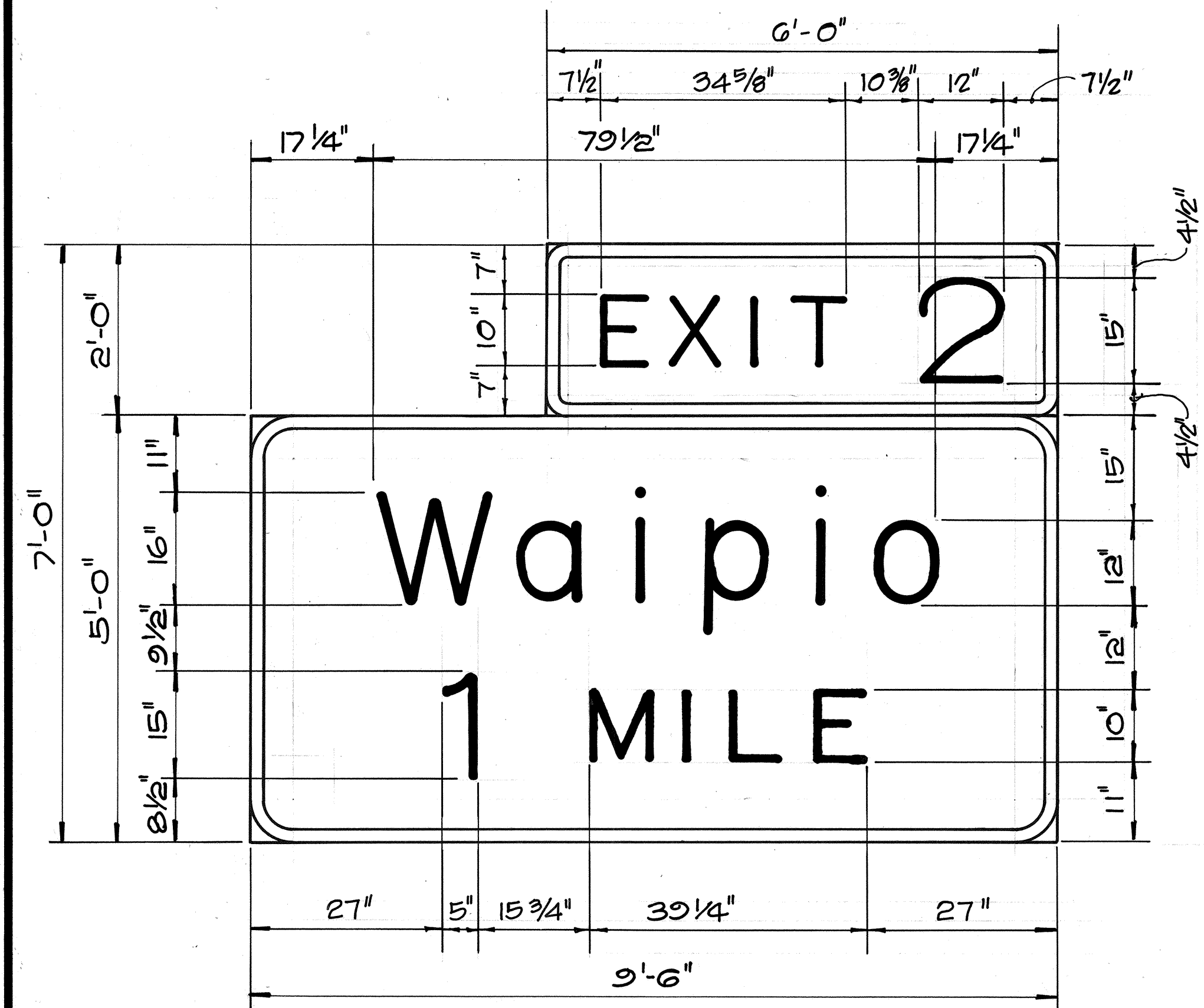
MISCELLANEOUS DETAILS

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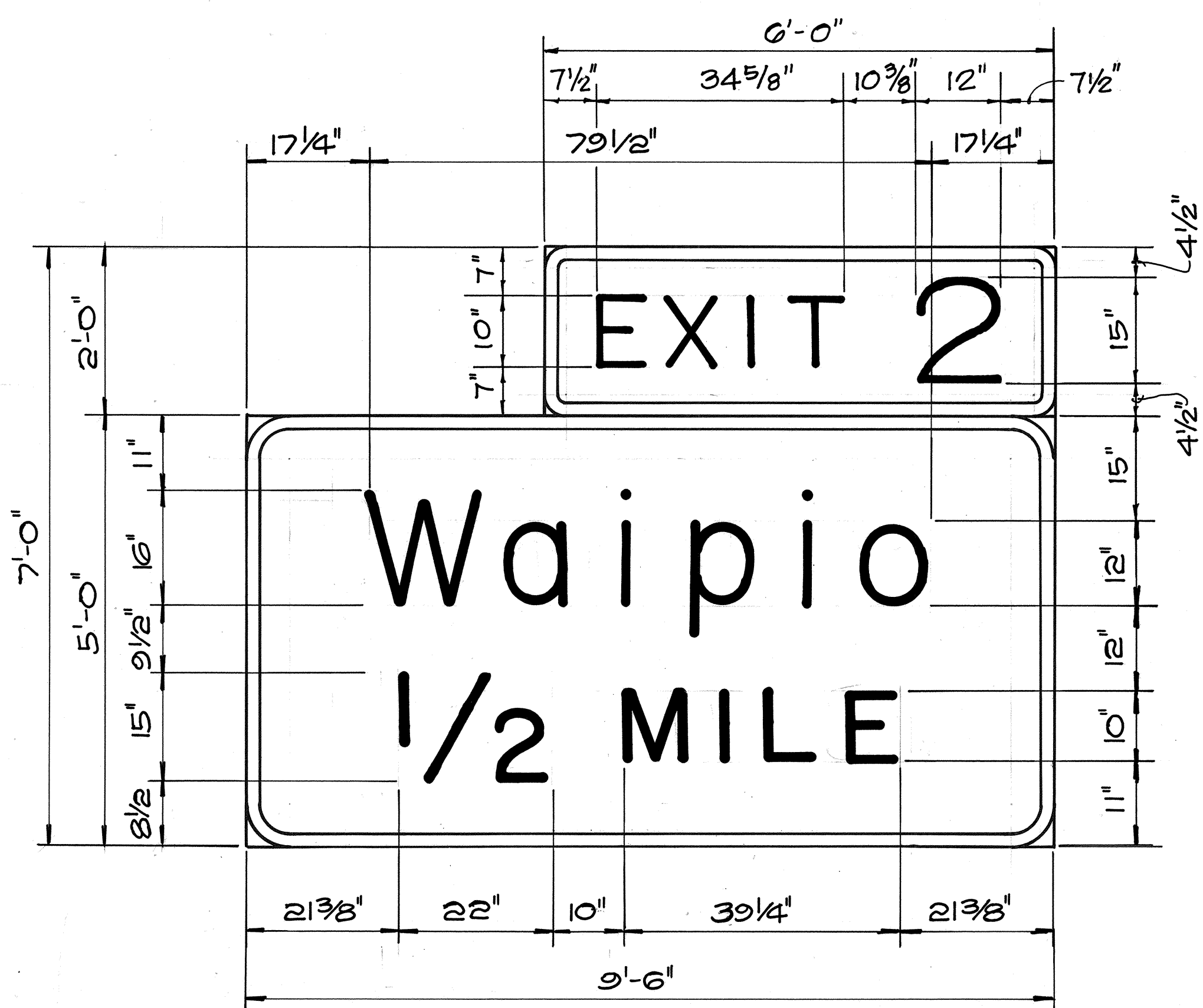
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
SIGNING AND PAVEMENT MARKINGS	
INTERSTATE ROUTE H-2 WAIPIO INTERCHANGE FAI PROJ. NO. IR-H2-1(21)	
SCALE: AS SHOWN	AUGUST 1986
SHEET No. 10 OF 20 SHEETS	

OCTOBER 1987

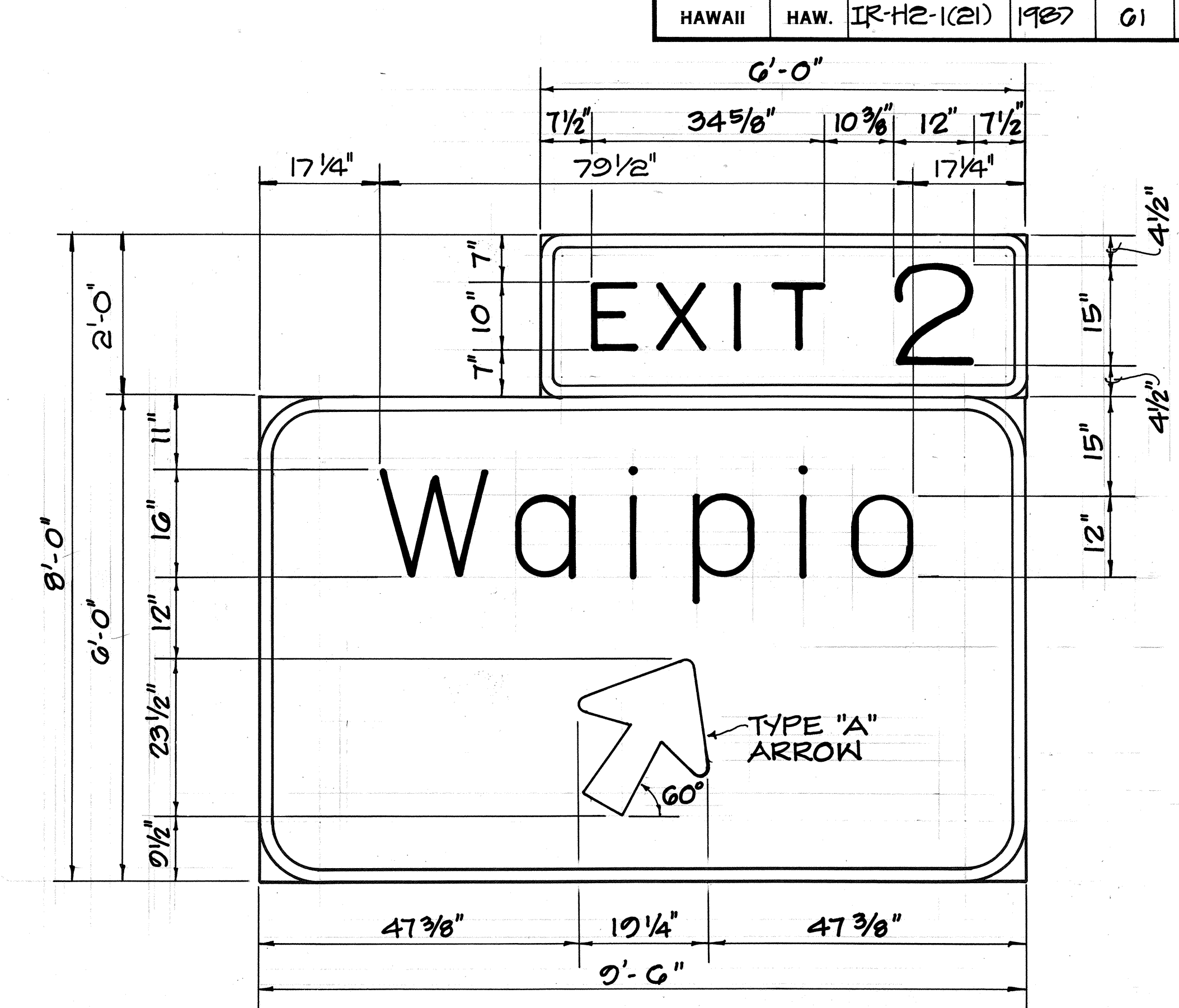
60



SIGN D-1
SCALE: 3/4" = 1'-0"



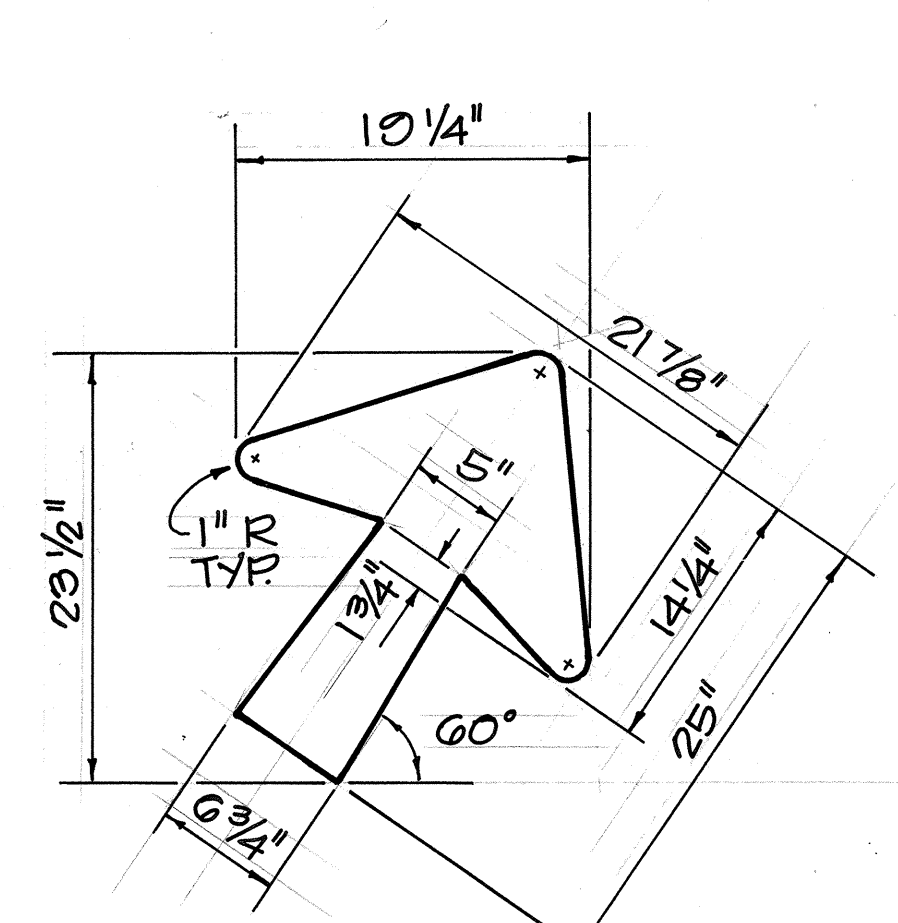
SIGN D-2
SCALE: 3/4" = 1'-0"



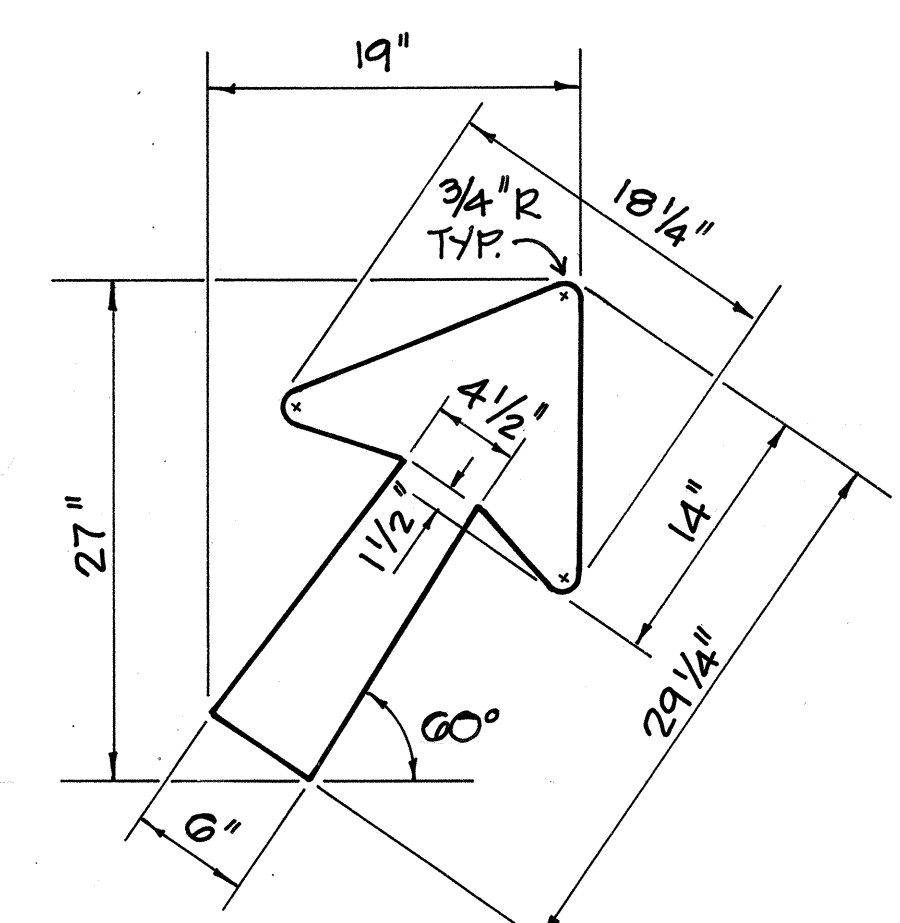
SIGN D-3
SCALE: 3/4" = 1'-0"

GENERAL NOTES:

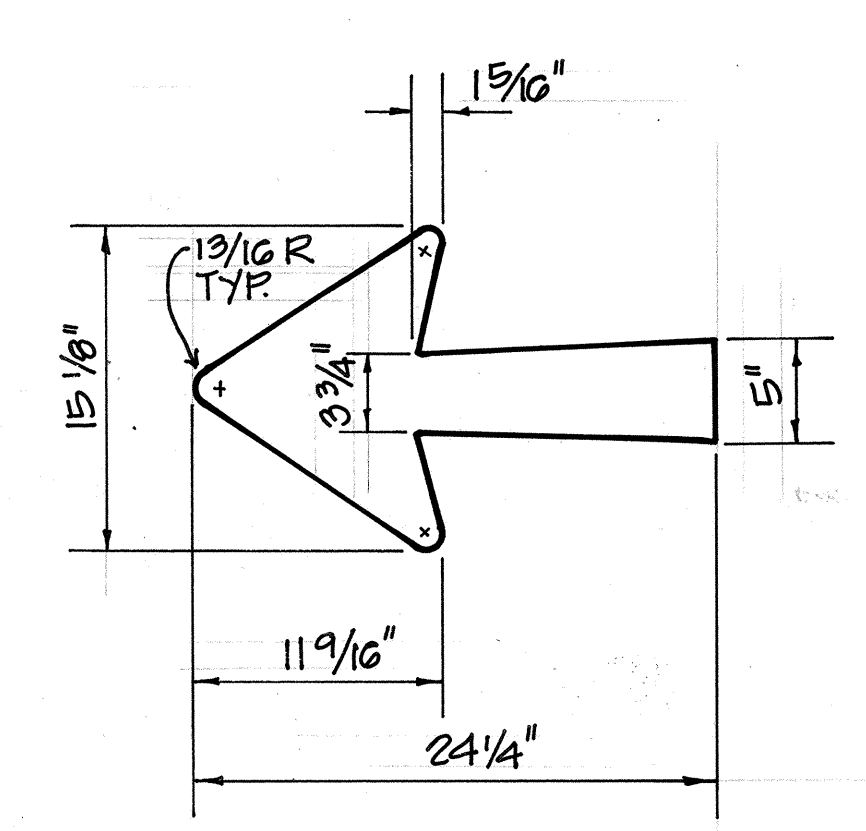
- SIGNS SHALL CONFORM TO THE LATEST FHWA PUBLICATIONS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," STANDARD ALPHABETS FOR HIGHWAY SIGNS, AND STANDARD HIGHWAY SIGNS.
- LETTER SIZE:
 - WHEN LETTERS ARE ALL UPPER CASE, USE SERIES "E".
 - WHEN INITIAL UPPER CASE LETTER IS USED IN CONJUNCTION WITH LOWER CASE LETTERS, USE SERIES "E" (M) FOR UPPER CASE LETTERS.
- IF SPLICING IS NECESSARY FOR "DIR" SIGNS, CONTRACTOR SHALL SUBMIT SPLICE DETAILS TO ENGINEER FOR APPROVAL.
- ALL SIGNS SHALL HAVE 2" BORDERS. AREA OUTSIDE CORNER RADIUS NEED NOT BE TRIMMED.



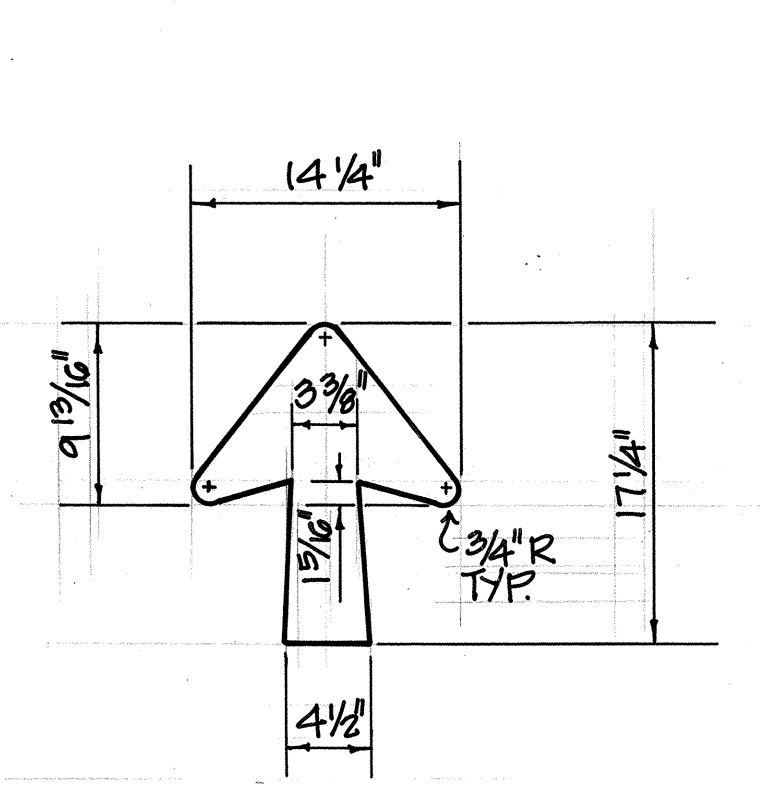
TYPE "A"



TYPE "B"



TYPE "C"

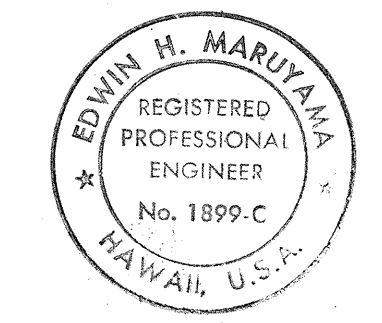


TYPE "D"

ARROW DETAILS
NOT TO SCALE

PANEL LAYOUT

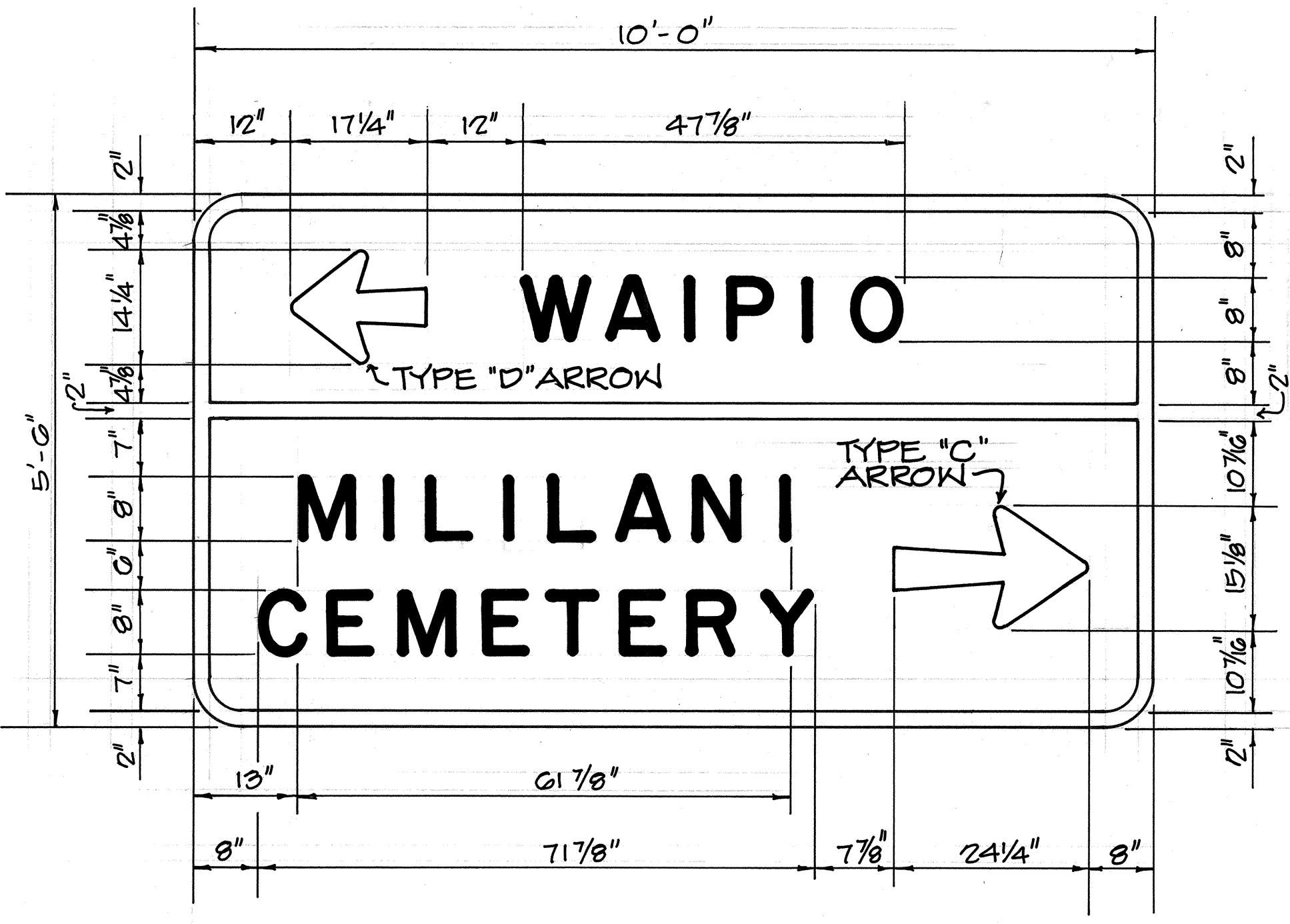
TABLE FOR POST SIZE AND TYPE			
SIGN	POST SIZE	STANDARD PLAN NO.	REMARKS
D-1	WG x 16	TE 23	
D-2	WG x 16	TE 23	Breakaway Posts
D-3	WG x 24	TE 23, 24	BREAKAWAY POSTS (RAMP WG-3)
D-4	WG x 16	TE 23	
D-5	WG x 16	TE 23, 24	BREAKAWAY POSTS
D-6	WG x 12	TE 23, 24	BREAKAWAY POSTS
D-7	WG x 24	TE 23	
D-8	WG x 16	TE 23, 24	BREAKAWAY POSTS
DIR-1	FLANGED CHANNEL 3 POSTS	TE 02	



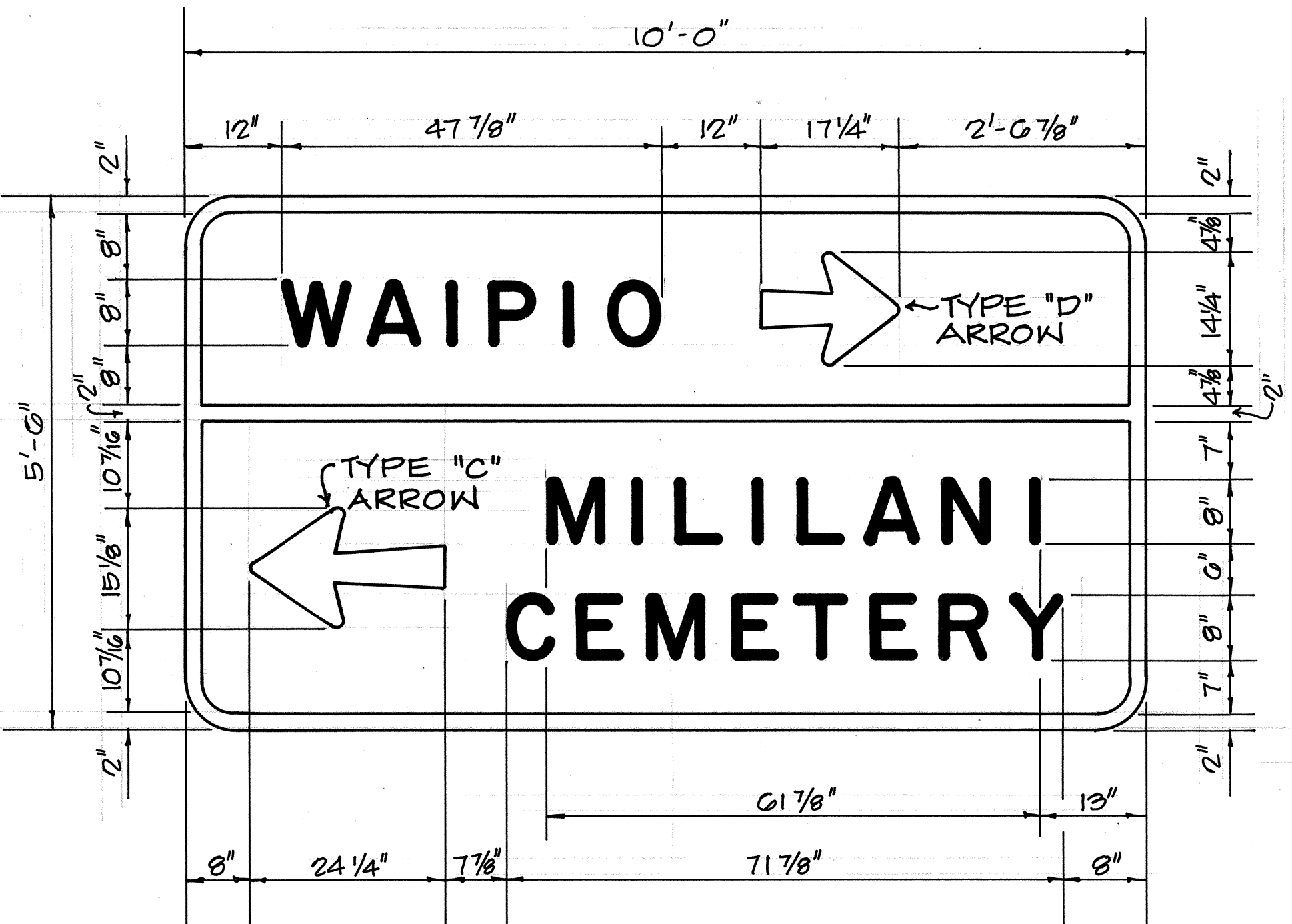
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING AND PAVEMENT MARKINGS
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)
SCALE: AS NOTED
AUGUST 1986
SHEET NO. 19 OF 20 SHEETS

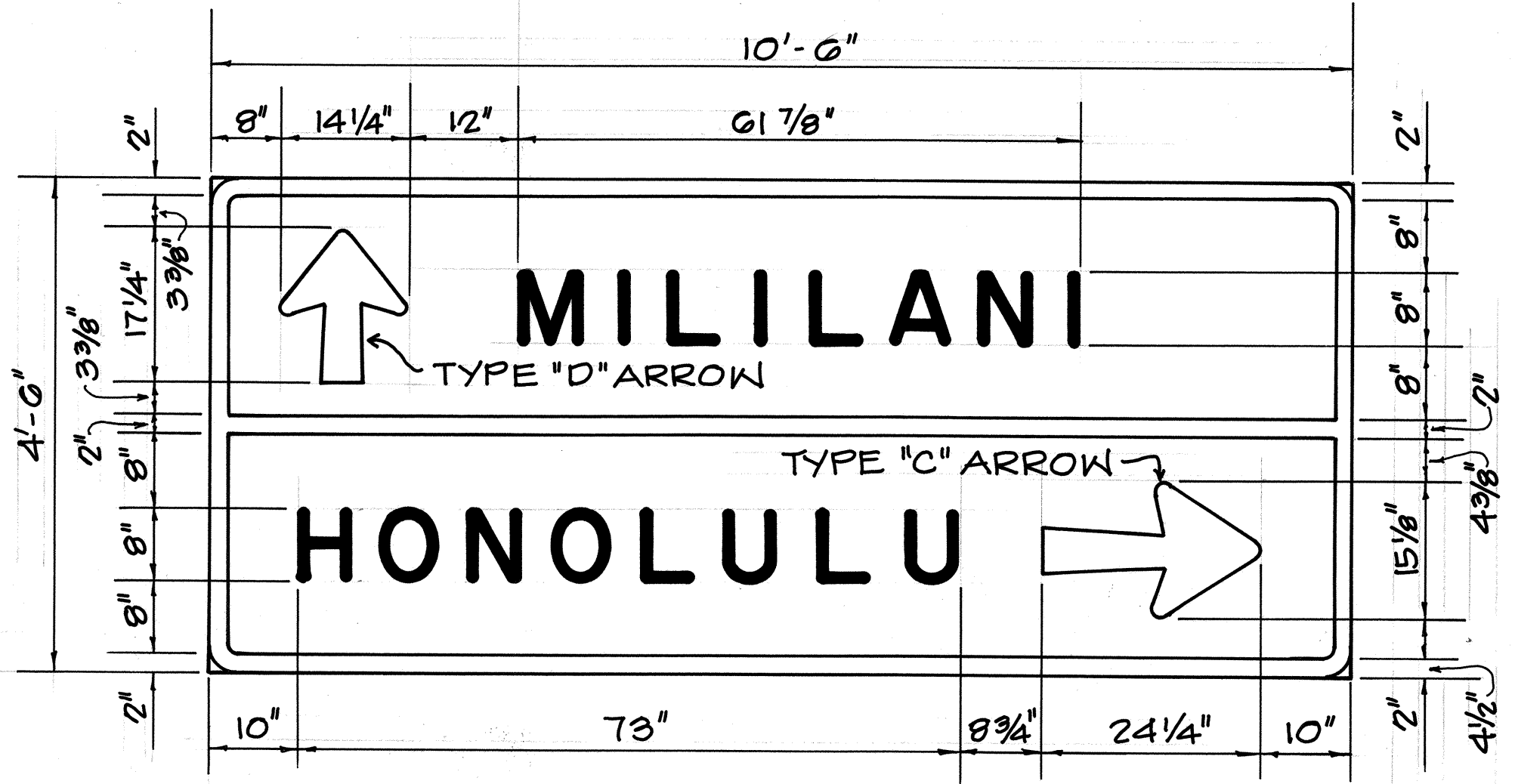
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IR-H2-1(21)	1987	02	138



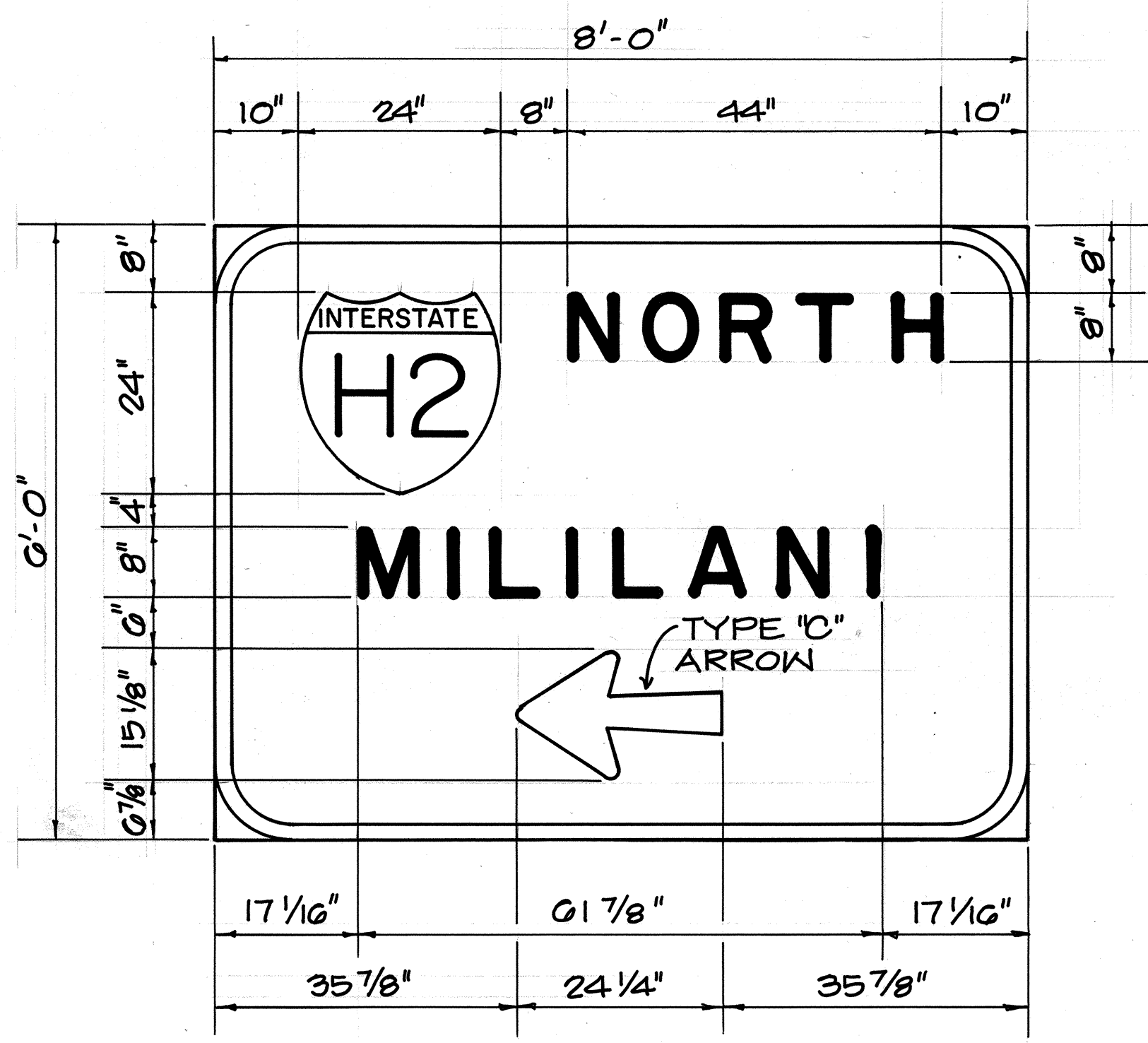
SIGN D-4



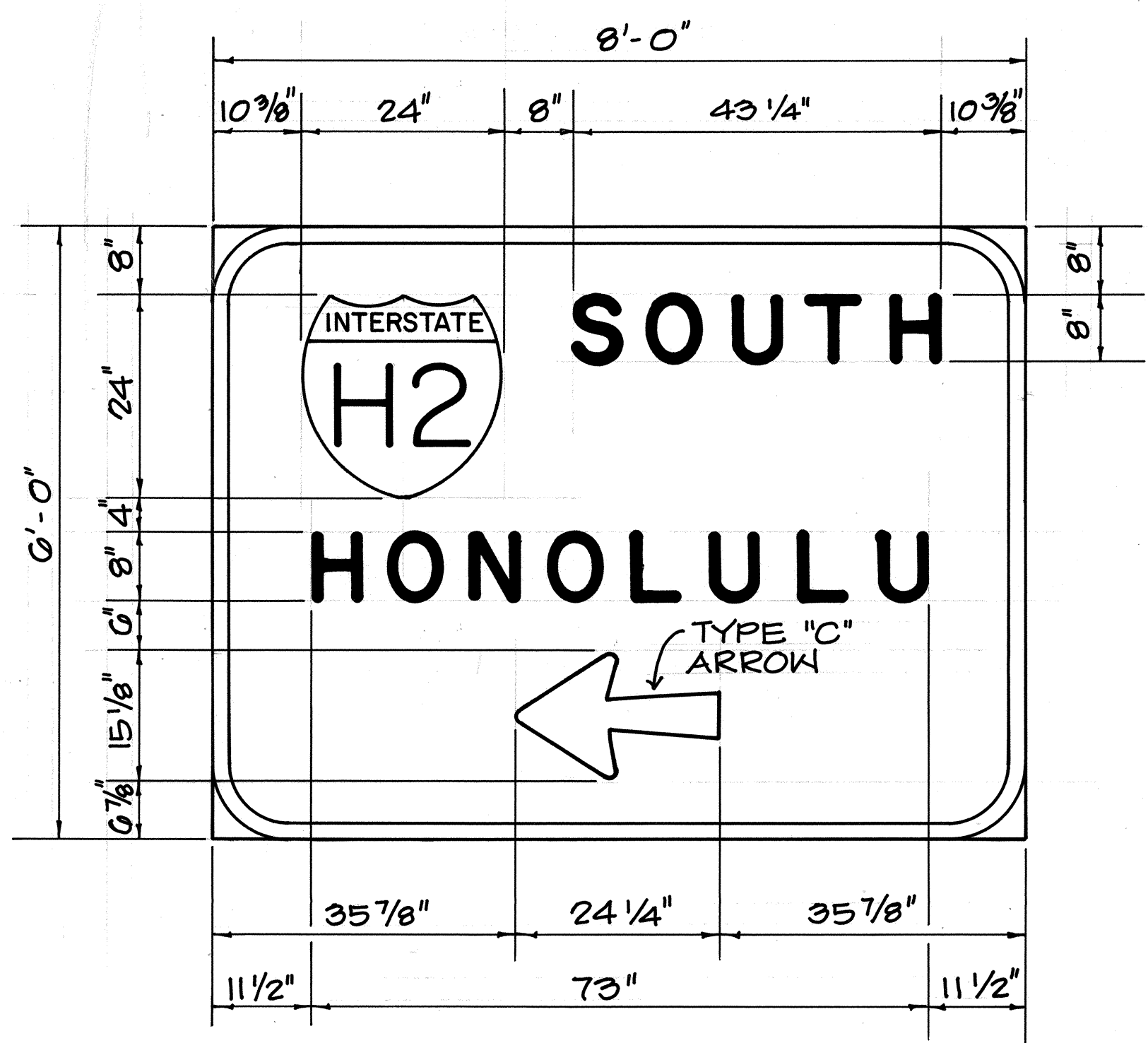
SIGN D-5



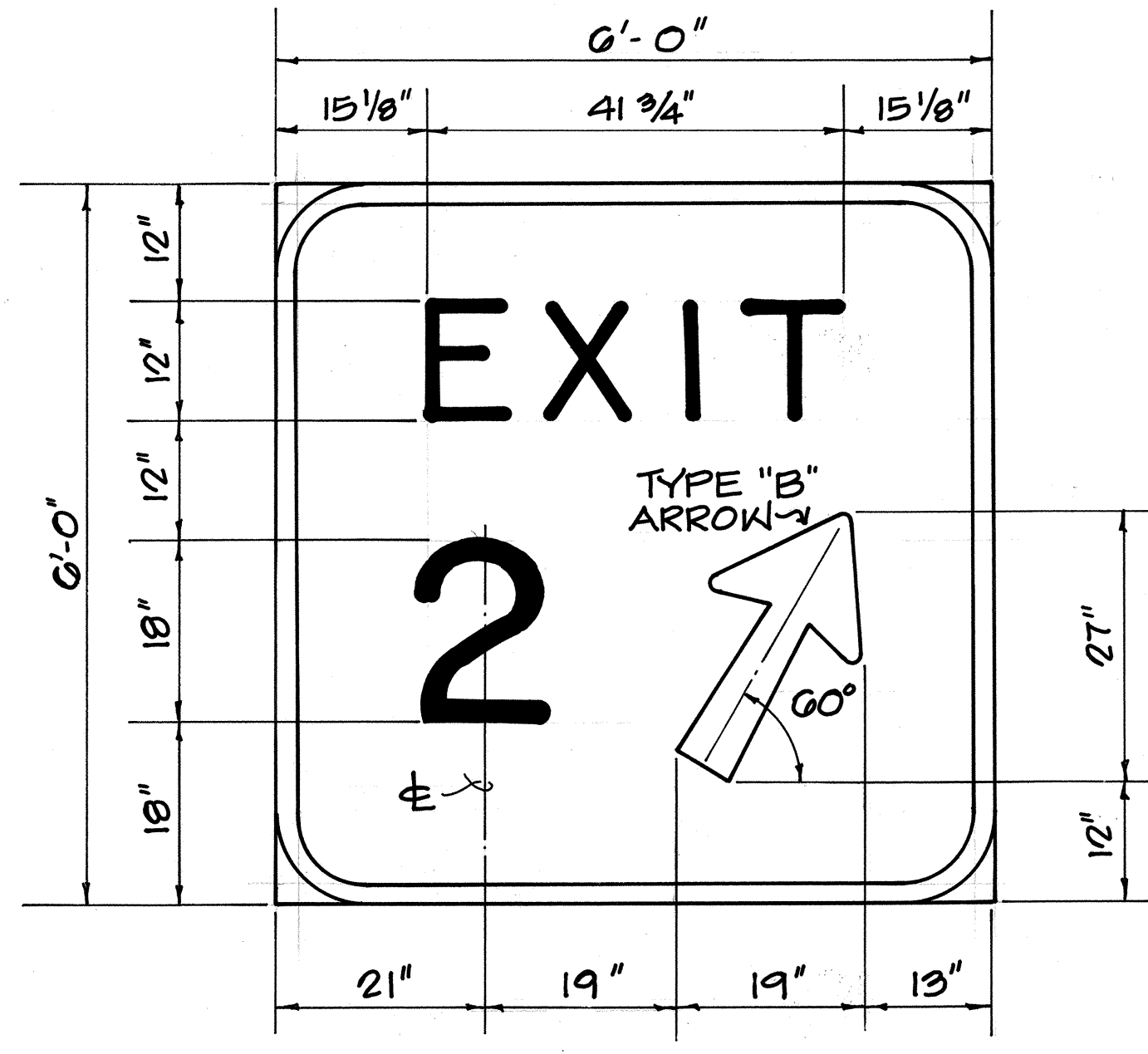
SIGN D-6



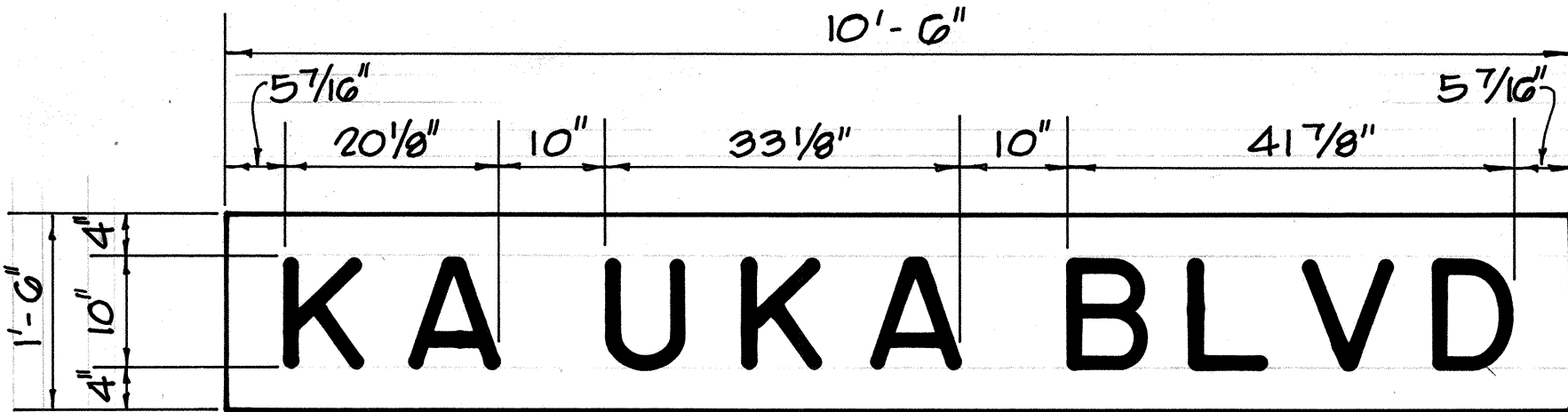
SIGN D-7



SIGN D-8



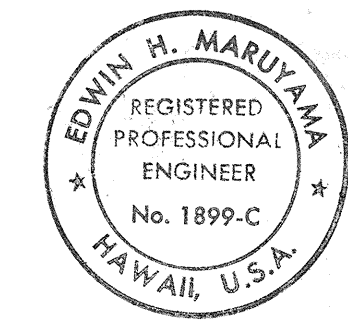
SIGN DIR-1



STREET NAME SIGN

PANEL LAYOUT

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
NO.	



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING AND PAVEMENT MARKINGS
INTERSTATE ROUTE H-2
WAIPIO INTERCHANGE
FAI PROJ. NO. IR-H2-1(21)
SCALE: 3/4"=1'-0"

OCTOBER 1987
SHEET NO. 20 OF 20 SHEETS