

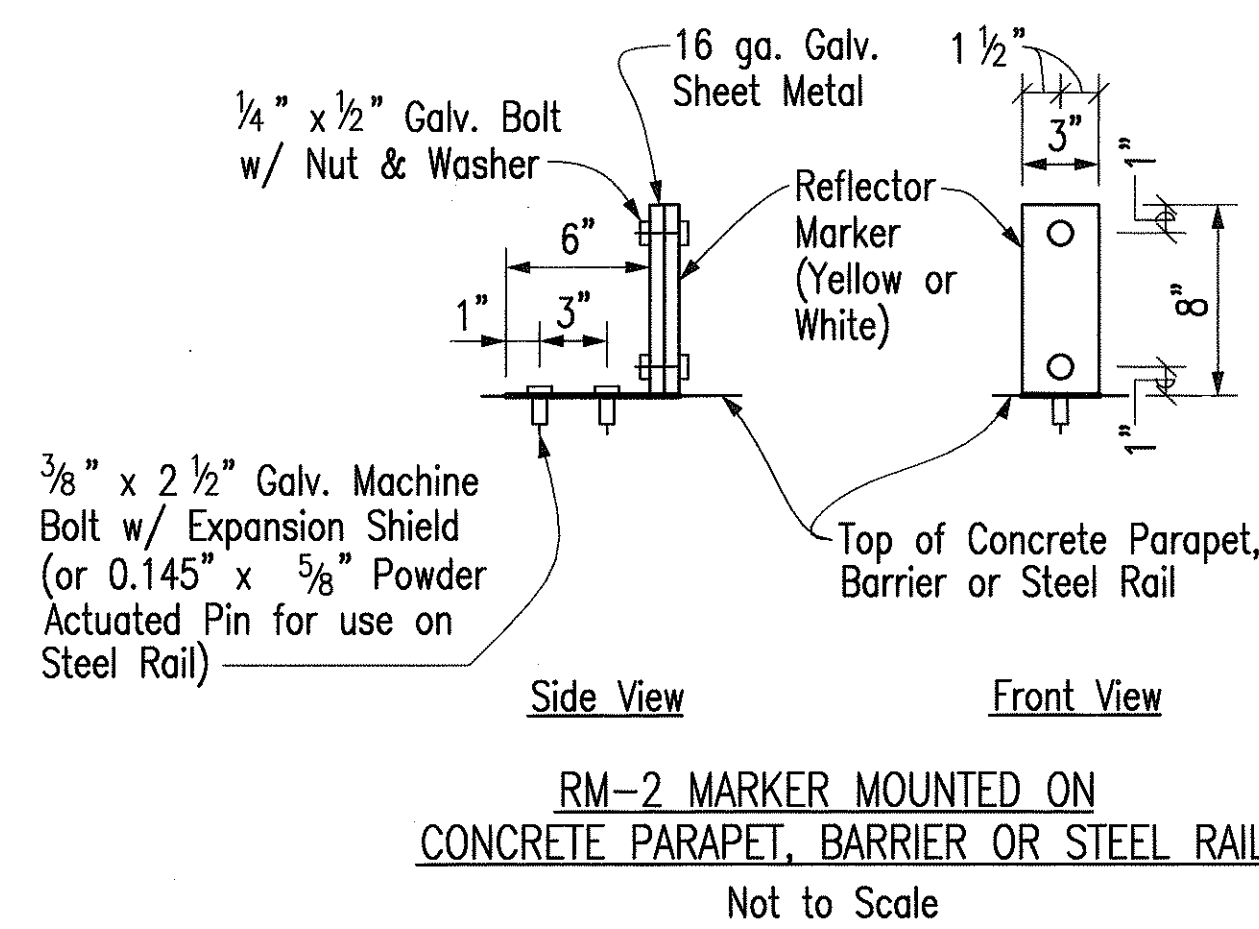
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	143	405

LEGEND:

- 4" WHITE EDGE STRIPE WITH TYPE C MARKERS AT 40'
- 8" WHITE STRIPE WITH TYPE C MARKERS AT 20'
- 4" YELLOW STRIPE WITH TYPE H MARKERS AT 40'
- TYPE C MARKERS AT 40'
- TYPE H MARKERS AT 40'
- TYPE A MARKERS AT 3'
- TYPE J MARKERS AT 3'
- TYPE P UNI-DIRECTIONAL MARKERS AT 3' (BLACK ■ YELLOW)
- TYPE Q UNI-DIRECTIONAL MARKERS AT 3' (YELLOW ■ WHITE)
- TYPE R UNI-DIRECTIONAL MARKERS AT 3' (BLACK ■ WHITE)
- TYPE A MARKERS AT 2' WITH TYPE M (CLEAR/NON-REFLECTIVE) MARKERS AT 40'
- TYPE J MARKERS AT 3' WITH TYPE H MARKERS AT 40'
- 4 TYPE A MARKERS WITH TYPE M (CLEAR/NON-REFLECTIVE) MARKERS AT 40'
- 4 TYPE A MARKERS AND TYPE C MARKERS AT 40'
- 4" WHITE STRIPE (IF TAPE USED, TAPE TYPE III), 2'-0" LONG AT 10' ON CENTER WITH TYPE C MARKERS AT 40'
- 4" WHITE STRIPE, (IF TAPE USED, TAPE TYPE III), 4 TYPE A MARKERS AND TYPE C MARKERS AT 40'
- 4" WHITE GUIDE LINES (IF TAPE USED, TAPE TYPE III), 2'-0" LONG AT 4'

- 12" WHITE CHEVRONS
- NEW OR RELOCATED SIGN
- EXISTING SIGN
- REFLECTOR MARKER, RM-2 MOUNTED ON FLEXIBLE DELINEATOR POST
- REFLECTOR MARKER, RM-2 MOUNTED ON CONCRETE PARAPET OR BARRIER. SEE DETAIL THIS SHEET.
- REFLECTOR MARKER, RM-4 MOUNTED ON FLEXIBLE DELINEATOR POST
- EXISTING HIGHWAY LIGHT POLE
- EXISTING TRAFFIC SIGNAL POLE
- DIRECTION OF TRAFFIC
- PAVEMENT ARROWS
- EXISTING PAVEMENT ARROWS

See Sheet 156 for Restriping notes



PAVEMENT MARKING NOTES:

- PAVEMENT EDGE STRIPING AND CHEVRONS SHALL BE REFLECTIVE THERMOPLASTIC COMPOUND PAVEMENT MARKINGS OR PERMANENT PREFORMED PAVEMENT MARKING TAPE TYPE II. LANE STRIPING, PAVEMENT ARROWS AND STOP BAR SHALL BE REFLECTIVE THERMOPLASTIC EXTRUSION OR PERMANENT PREFORMED PAVEMENT MARKING TAPE TYPE III.
- LOCATION OF PAVEMENT MARKERS IS SHOWN SCHEMATICALLY. FOR EXACT LOCATION OF MARKERS IN RELATION TO STRIPE SEE STANDARD PLANS TE-30, TE-31 & TE-32.

SIGNING NOTES:

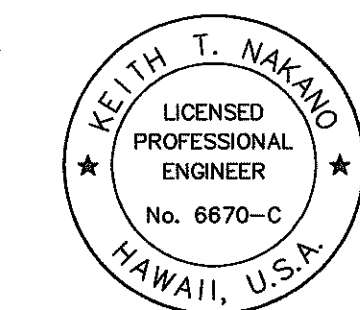
- SIGN DETAILS SHALL CONFORM TO THE LATEST EDITIONS AND AMENDMENTS OF THE FOLLOWING FHWA PUBLICATIONS: "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", "STANDARD HIGHWAY SIGNS" AND "STANDARD ALPHABETS FOR HIGHWAY SIGNS."
- EXISTING SIGNS SHOWN ON PLANS ARE KNOWN BY THE ENGINEER THROUGH HIS SEARCH OF EXISTING PLANS AND FIELD INSPECTIONS. THE CONTRACTOR SHALL VERIFY PRESENCE OF EXISTING SIGNS. ALL REGULATORY AND WARNING SIGNS TO BE REMOVED SHALL BE STOCKPILED AT DOT'S KANEHOE BASEYARD AS DIRECTED BY THE ENGINEER. REMOVAL OF SIGNS SHALL ALSO INCLUDE THE REMOVAL OF POST AND FOUNDATIONS TO A MINIMUM DEPTH OF 1-FOOT BELOW THE GROUND. POST AND FOUNDATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. PAYMENT FOR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEMS.
- THE CONTRACTOR SHALL BACKFILL ALL HOLES, DEPRESSIONS AND PITS LEFT BY THE REMOVAL OF THE EXISTING SIGNS WITH EMBANKMENT MATERIAL AND GRASS ALL AREAS EXPOSED IN ACCORDANCE WITH SPECIFICATIONS SECTION 618-GRASSED SURFACES. PAYMENT SHALL BE CONSIDERED INCIDENTAL TO VARIOUS CONTRACT ITEMS.
- THE CONTRACTOR SHALL INSTALL MILEPOST MARKERS, TYPE D10-4 AND D10-5 AS APPLICABLE, ON THE H-3 INBOUND AND OUTBOUND ROADWAYS PER STANDARD PLAN TE-18 WHERE SHOWN ON PLANS.

ABBREVIATIONS:

RM REFLECTOR MARKERS

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

CAD by G.D. THONG, 55-52



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
NOTES & LEGEND

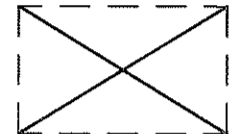
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

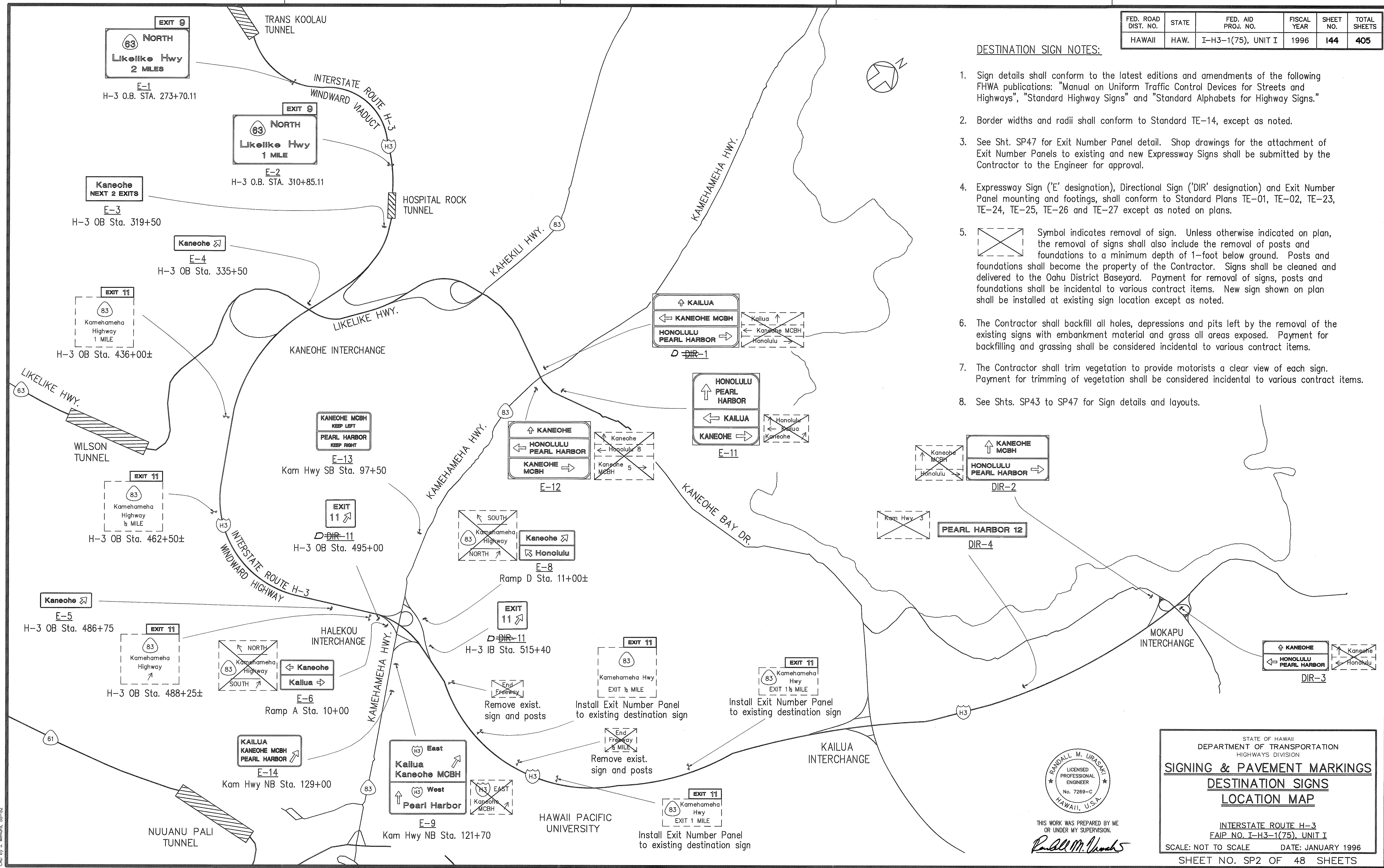
SCALE: AS SHOWN DATE: JANUARY 1996

SHEET NO. SP1 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	144	405

DESTINATION SIGN NOTES:

- Sign details shall conform to the latest editions and amendments of the following FHWA publications: "Manual on Uniform Traffic Control Devices for Streets and Highways", "Standard Highway Signs" and "Standard Alphabets for Highway Signs."
- Border widths and radii shall conform to Standard TE-14, except as noted.
- See Sht. SP47 for Exit Number Panel detail. Shop drawings for the attachment of Exit Number Panels to existing and new Expressway Signs shall be submitted by the Contractor to the Engineer for approval.
- Expressway Sign ('E' designation), Directional Sign ('DIR' designation) and Exit Number Panel mounting and footings, shall conform to Standard Plans TE-01, TE-02, TE-23, TE-24, TE-25, TE-26 and TE-27 except as noted on plans.
-  Symbol indicates removal of sign. Unless otherwise indicated on plan, the removal of signs shall also include the removal of posts and foundations to a minimum depth of 1-foot below ground. Posts and foundations shall become the property of the Contractor. Signs shall be cleaned and delivered to the Oahu District Baseyard. Payment for removal of signs, posts and foundations shall be incidental to various contract items. New sign shown on plan shall be installed at existing sign location except as noted.
- The Contractor shall backfill all holes, depressions and pits left by the removal of the existing signs with embankment material and grass all areas exposed. Payment for backfilling and grassing shall be considered incidental to various contract items.
- The Contractor shall trim vegetation to provide motorists a clear view of each sign. Payment for trimming of vegetation shall be considered incidental to various contract items.
- See Shts. SP43 to SP47 for Sign details and layouts.

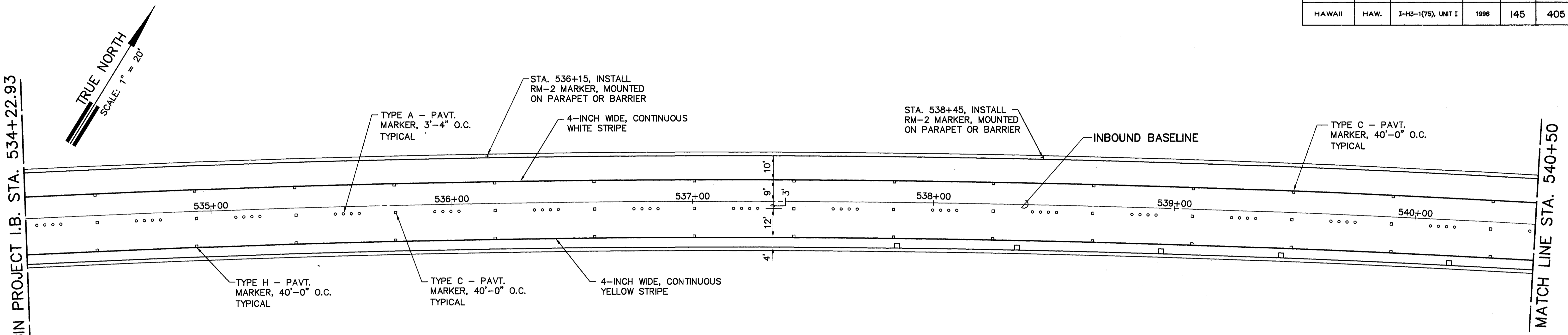


SURVEY PLOTTED BY _____ DATE _____
 ORIGINAL PLAN DRAWN BY _____
 TRACED BY _____
 NOTE BOOK DESIGNED BY _____
 QUANTITIES BY _____
 CHECKED BY _____
 No. _____
 CAD by J. Minard, 5/9-92

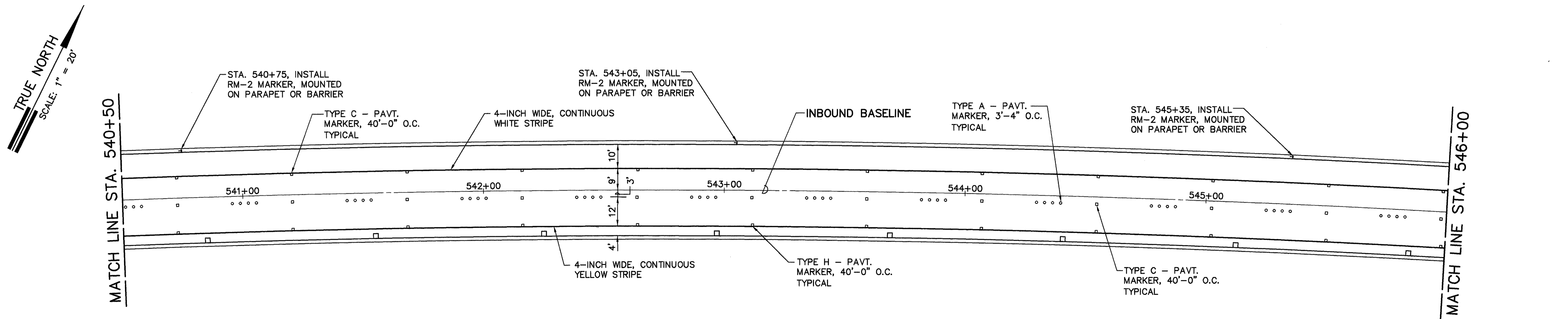
RANDALL M. URASAKI
 LICENSED PROFESSIONAL ENGINEER
 No. 7269-C
 HAWAII, U.S.A.
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Randall M. Urasaki

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKINGS
DESTINATION SIGNS
LOCATION MAP
 INTERSTATE ROUTE H-3
 FAIP NO. I-H3-1(75), UNIT I
 SCALE: NOT TO SCALE DATE: JANUARY 1996
 SHEET NO. SP2 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	145	405



PARTIAL STRIPING/MARKING PLAN - INBOUND
SCALE: 1" = 20'



PARTIAL STRIPING/MARKING PLAN - INBOUND
SCALE: 1" = 20'

FILE: C41
SCALE: 1" = 20'
DES: 2/20/91
CHK: JCY, SYLAKSA-SAI
REVISED: 01/24/96

GENERAL PLAN	DATE
NOTED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

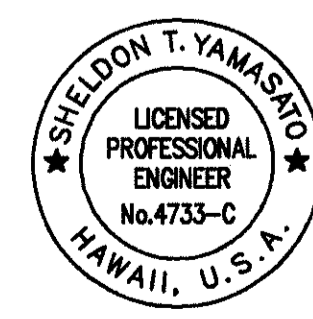
SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
I.B. STA. 534+22.93 - 546+00
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I

SCALE: 1" = 20' DATE: JAN 1996

SHEET NO. SP3 OF 48 SHEETS

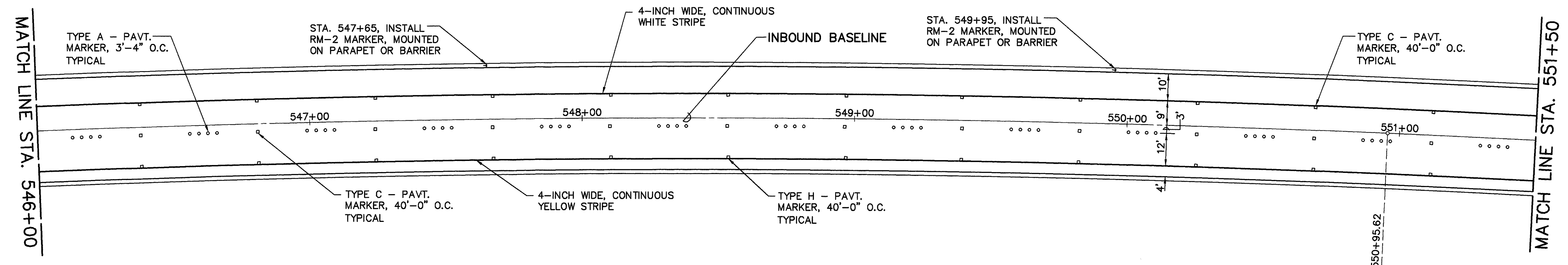
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Sheldon T. Yamashiro
AKINAKA & ASSOCIATES, LTD.



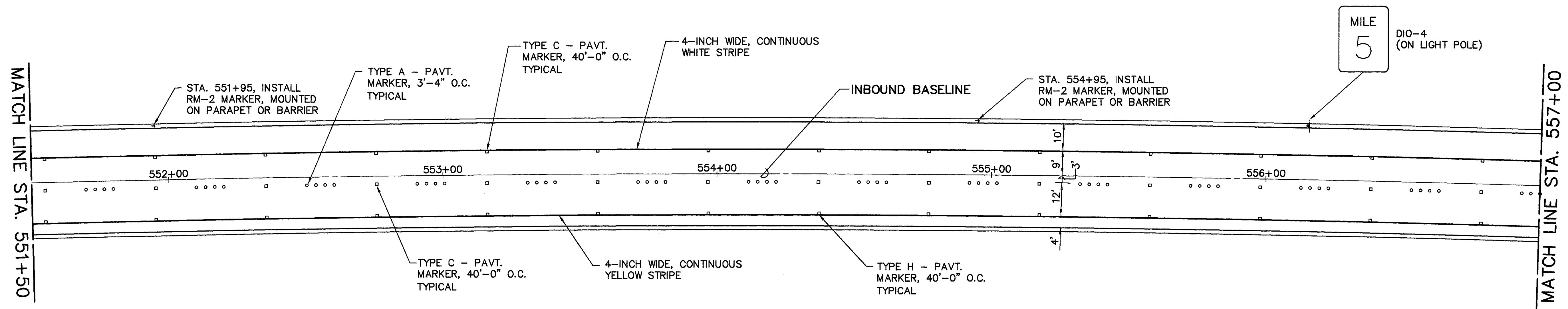
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	146	405

TRUE NORTH
SCALE: 1" = 20'



SIGNING & PARTIAL MARKING PLAN - INBOUND
SCALE: 1" = 20'

TRUE NORTH
SCALE: 1" = 20'



SIGNING & PARTIAL MARKING PLAN - INBOUND
SCALE: 1" = 20'

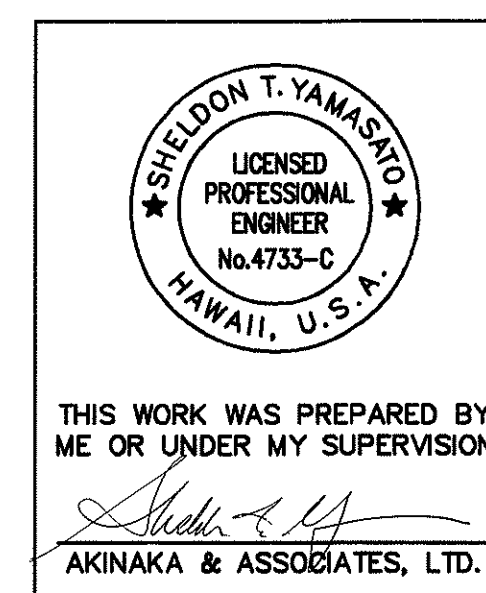
WORKSHEET:
REVIEWED BY:
REVIEWED BY:

PM: STY
OPR: STY, SAIRSK
REVISED: 1/24/96

FILE: C42
SCALE: 1"=20'
BEG: 2/20/91

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

DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

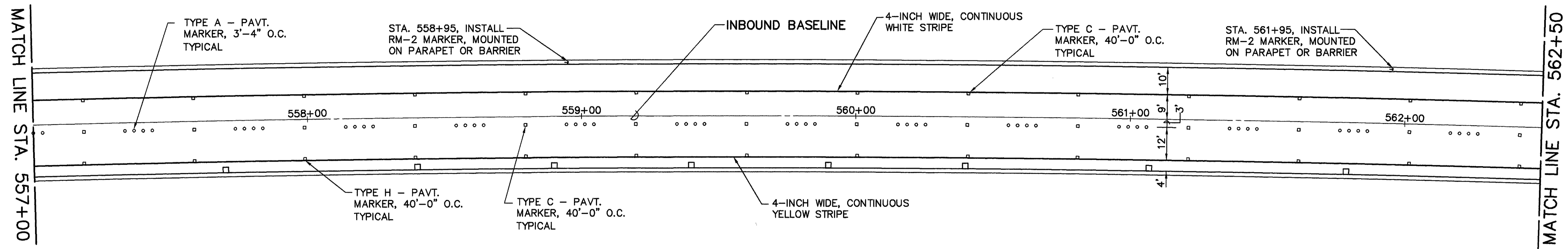
SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
I.B. STA. 546+00 TO 557+00

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I

SCALE: 1" = 20' DATE: JAN 1996
SHEET NO. SP4 OF 48 SHEETS

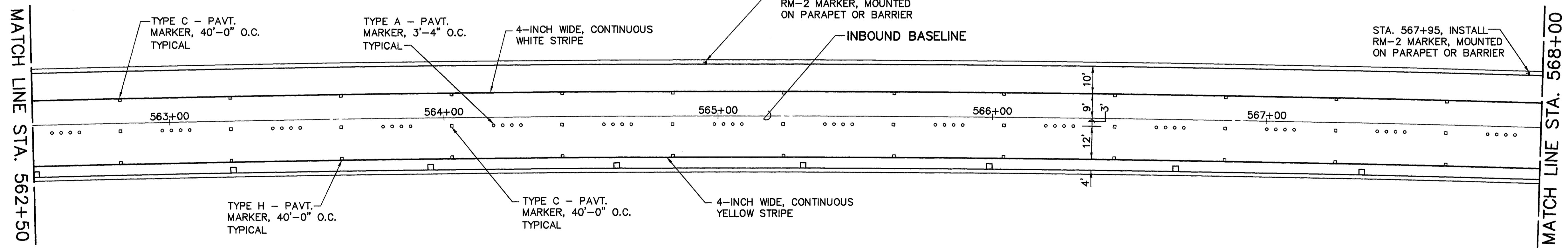
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	147	405

TRUE NORTH
SCALE: 1" = 20'



PARTIAL STRIPING/MARKING PLAN - INBOUND
SCALE: 1" = 20'

TRUE NORTH
SCALE: 1" = 20'

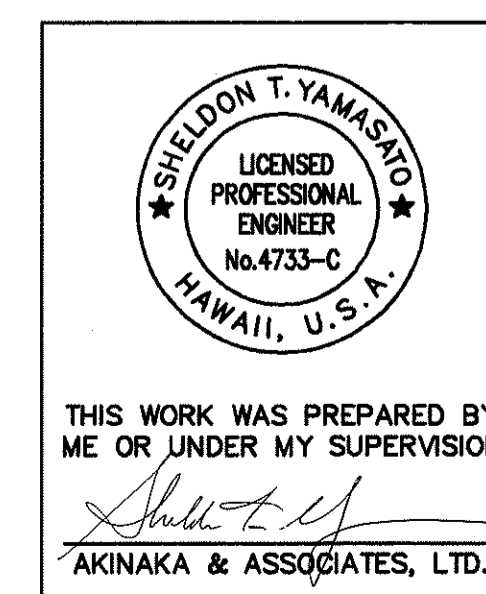


PARTIAL STRIPING/MARKING PLAN - INBOUND
SCALE: 1" = 20'

FILE: C43
SCALE: 1" = 20'

GENERAL PLAN	DATE
NOTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

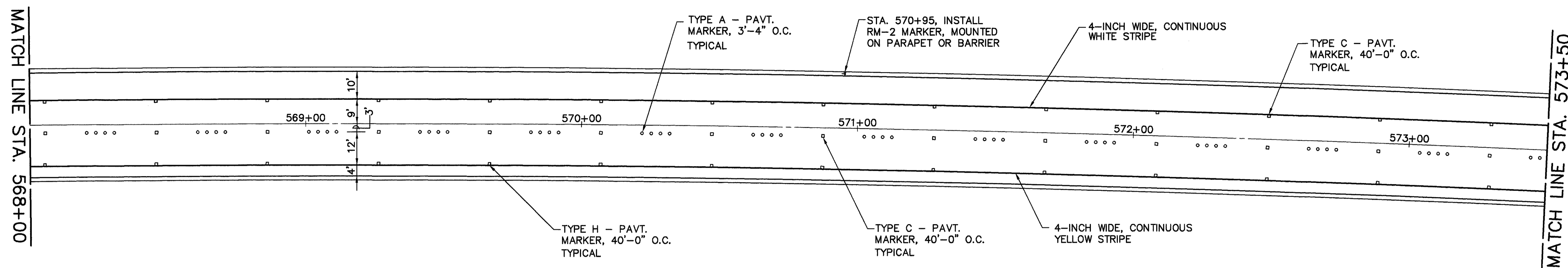
DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
I.B. STA. 557+00 TO 568+00
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I
SCALE: 1" = 20' DATE: JAN 1996
SHEET NO. SP5 OF 48 SHEETS

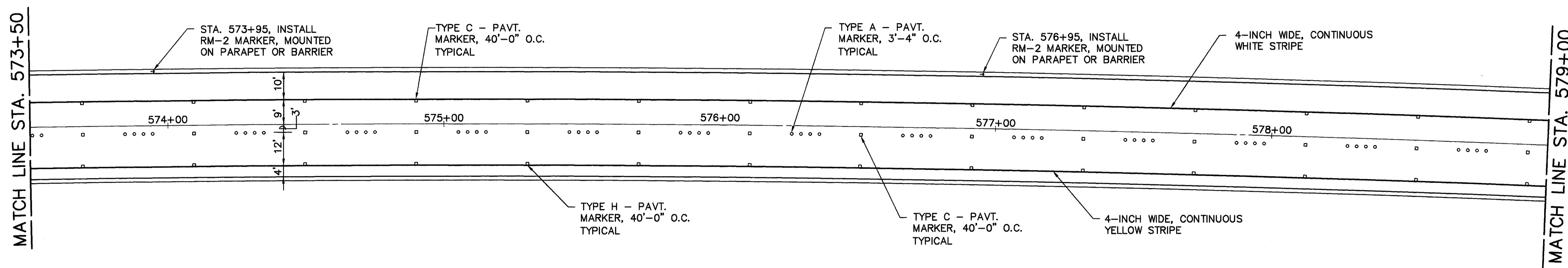
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	148	405

TRUE NORTH
SCALE: 1" = 20'



SIGNING & PARTIAL MARKING PLAN - INBOUND
SCALE: 1" = 20'

TRUE NORTH
SCALE: 1" = 20'

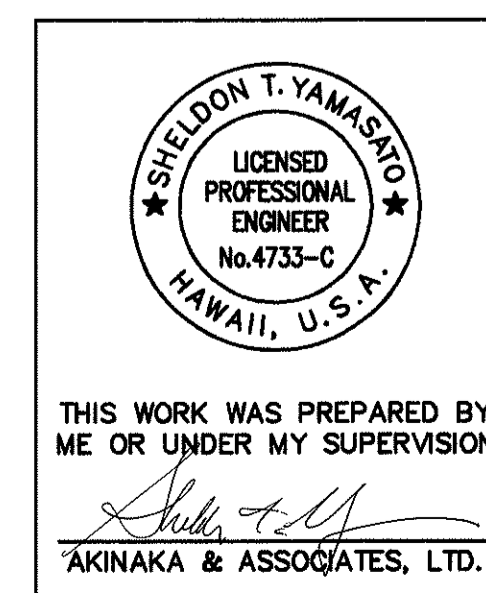


SIGNING & PARTIAL MARKING PLAN - INBOUND
SCALE: 1" = 20'

FILE: C44
SCALE: 1" = 20'
REV: 2/20/96
DESIGNER: CHS/STP/RSK/ASA
REVISION: 01/24/96

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

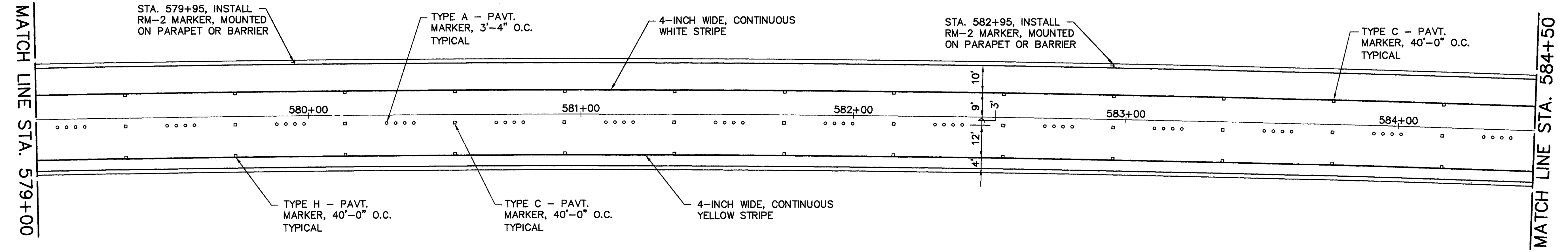
DATE	REVISION



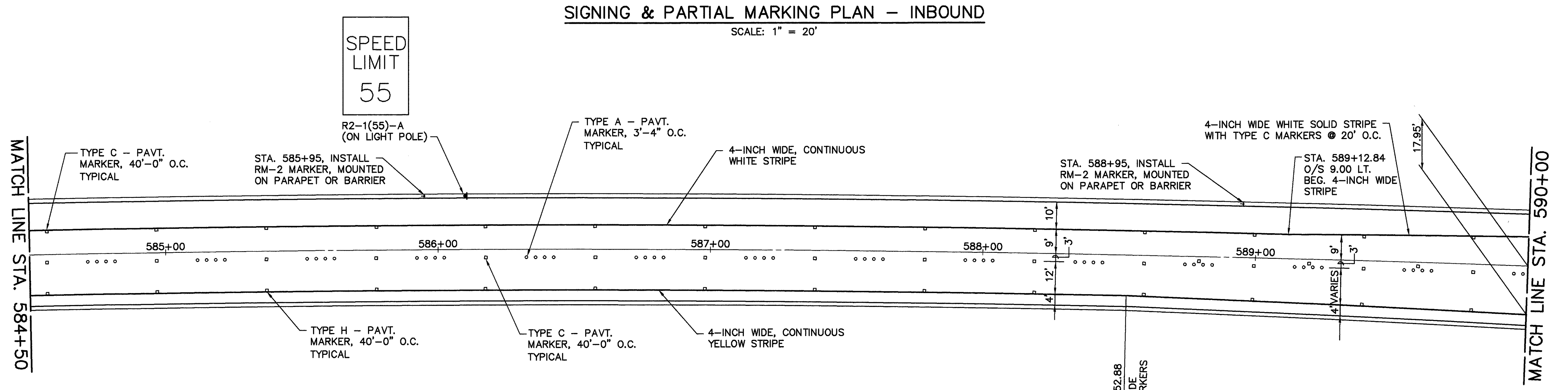
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
I.B. STA. 568+00 TO 579+00
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I
SCALE: 1" = 20' DATE: JAN 1996
SHEET NO. SP6 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	149	405

TRUE NORTH
SCALE: 1" = 20'



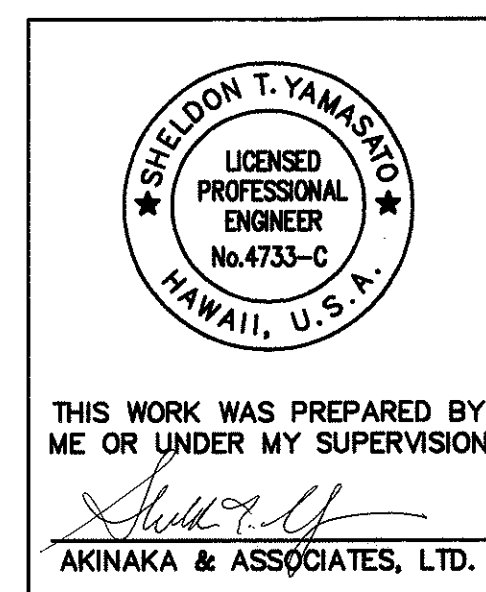
TRUE NORTH
SCALE: 1" = 20'



FILE: C45
SCALE: 1" = 20'
DESIGNED BY: SAJ/RSK/MSK
CHECKED BY: 02/08/96

DESIGNED BY	SAJ/RSK/MSK
CHECKED BY	02/08/96
DRAWN BY	
QUANTITIES BY	
NOTED BY	
DATE	

DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
I.B. STA. 579+00 TO 590+00

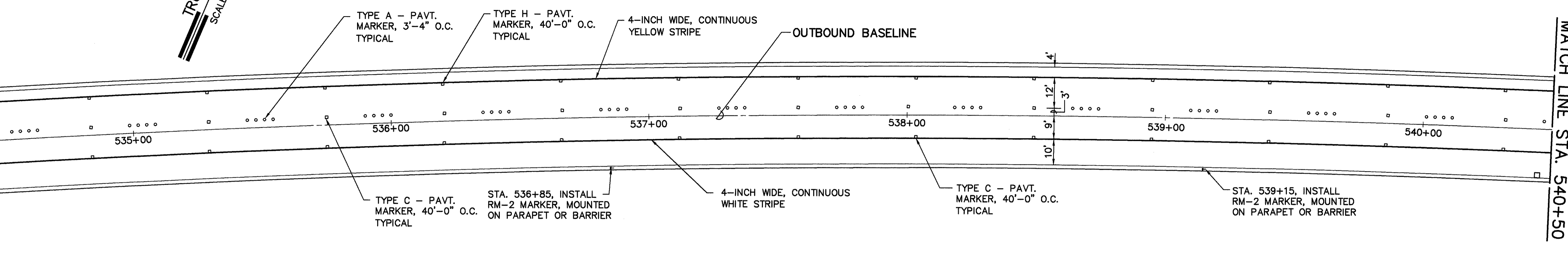
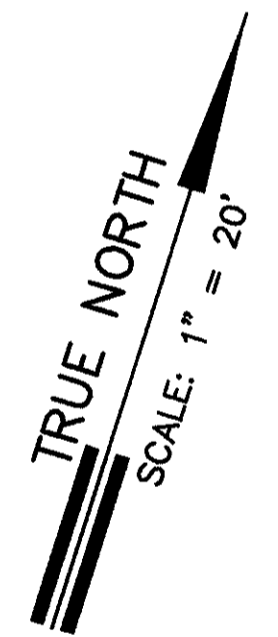
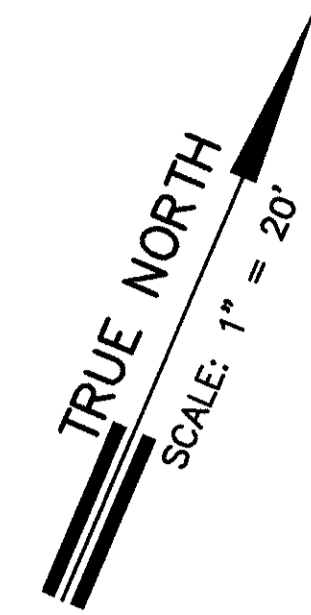
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I

SCALE: 1" = 20' DATE: JAN 1996
SHEET NO. SP7 OF 48 SHEETS

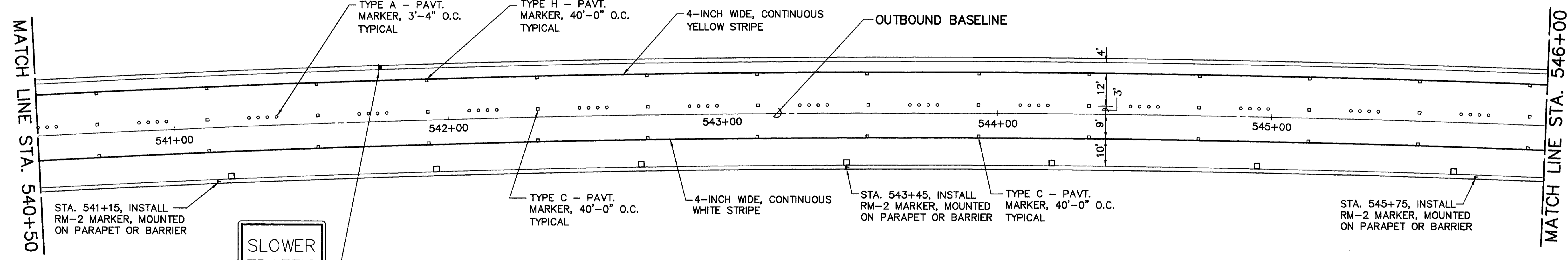
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	151	405

BEGIN PROJECT STA. 534+58.24

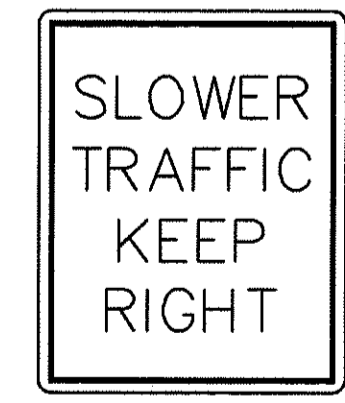
MATCH LINE STA. 540+50



PARTIAL STRIPING/MARKING PLAN - OUTBOUND
SCALE: 1" = 20'



PARTIAL STRIPING/MARKING PLAN - OUTBOUND
SCALE: 1" = 20'



R4-3-A
24" x 30"
(ON CMS 6 SIGN SUPPORT)

FILE: C47
SCALE: 1" = 20'
DATE: 2/20/96
DRAWN BY: M. STYBANSKI
CHECKED BY: M. STYBANSKI

ORIGINAL PLAN	DATE
NO. _____	BY _____
NOTED BY _____	DATE _____
QUANTITIES BY _____	DATE _____
CHECKED BY _____	DATE _____

DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
O.B. STA. 534+58.24 - 546+00

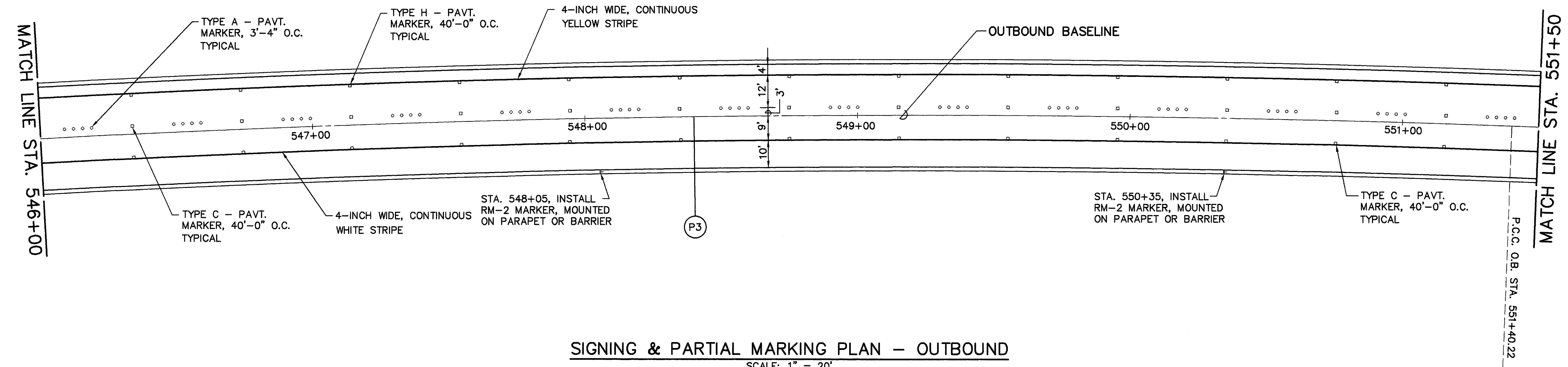
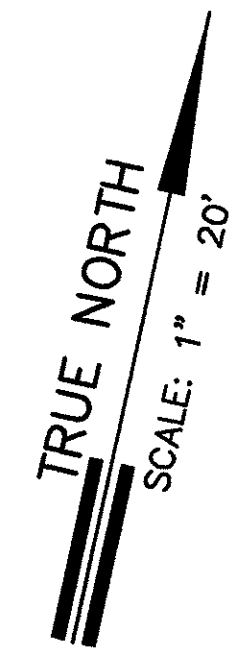
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I

SCALE: 1" = 20' DATE: JAN 1996
SHEET NO. SP9 OF 48 SHEETS

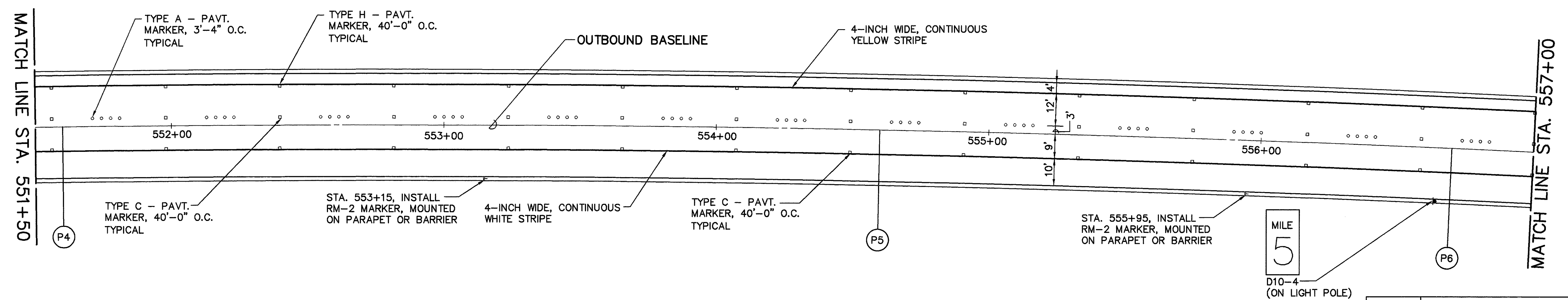
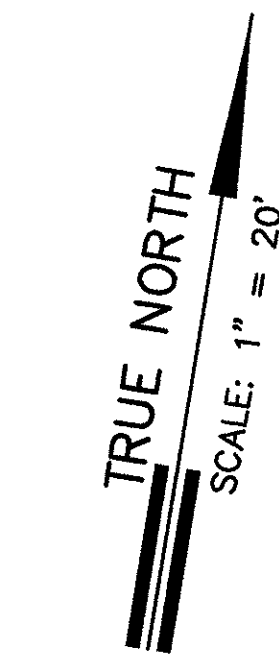
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Sheldon T. Yamashiro
AKINAKA & ASSOCIATES, LTD.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	152	405



SIGNING & PARTIAL MARKING PLAN - OUTBOUND
SCALE: 1" = 20'



SIGNING & PARTIAL MARKING PLAN - OUTBOUND
SCALE: 1" = 20'

FILE: C48
SCALE: 1" = 20'
DATE: 02/07/96
REVISED: 02/07/96

GENERAL PLAN	DATE
NOTED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

8/1/91	REVISED PVMT. MARKERS
DATE	REVISION

SHELDON T. YAMAMOTO
 LICENSED PROFESSIONAL ENGINEER
 No. 4733-C
 HAWAII, U.S.A.

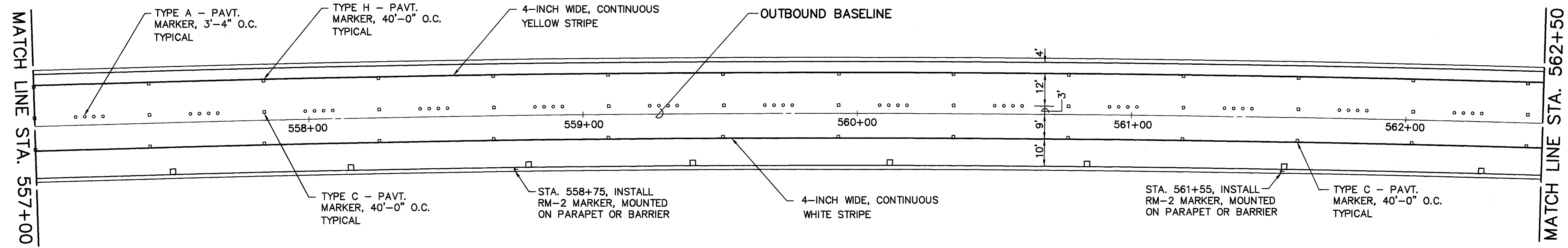
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

AKINAKA & ASSOCIATES, LTD.

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
O.B. STA. 546+00 - 557+00
 INTERSTATE ROUTE H-3
 FAIP NO. I-H3-1(75) UNIT I
 SCALE: 1" = 20' DATE: JAN 1996
 SHEET NO. SPIO OF 48 SHEETS

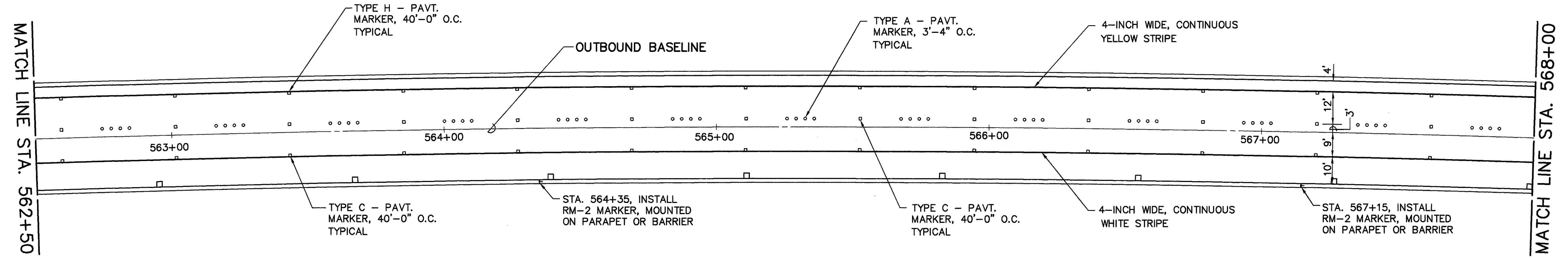
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	153	405

TRUE NORTH
SCALE: 1" = 20'



PARTIAL STRIPING/MARKING PLAN - OUTBOUND
SCALE: 1" = 20'

TRUE NORTH
SCALE: 1" = 20'



PARTIAL STRIPING/MARKING PLAN - OUTBOUND
SCALE: 1" = 20'

FILE: C49
SCALE: 1" = 20'
DATE: 02/07/96
DRAWN BY: [Signature]
CHECKED BY: [Signature]

ORIGINAL PLAN	DATE
REVISION	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

DATE	REVISION

SHELDON T. YAMASAKI
LICENSED PROFESSIONAL ENGINEER
No. 4733-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Sheldon T. Yamasaki
AKINAKA & ASSOCIATES, LTD.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

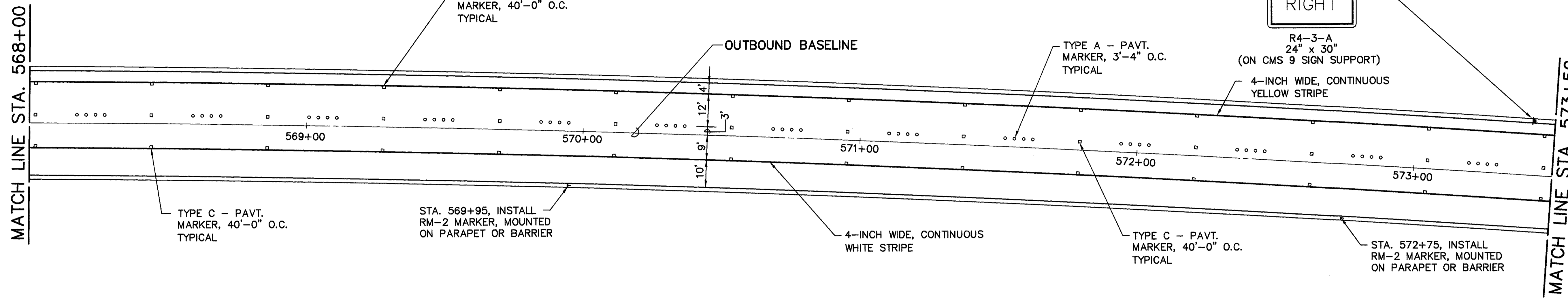
SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
O.B. STA. 557+00 - 568+00

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I

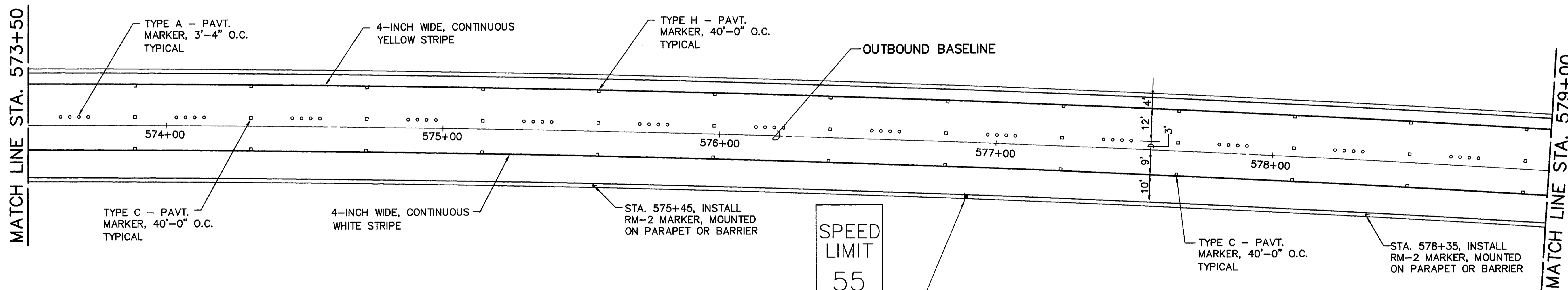
SCALE: 1" = 20' DATE: JAN 1996

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	154	405

TRUE NORTH
SCALE: 1" = 20'



SIGNING & PARTIAL MARKING PLAN - OUTBOUND
SCALE: 1" = 20'



SIGNING & PARTIAL MARKING PLAN - OUTBOUND
SCALE: 1" = 20'

FILE: C50
SCALE: 1" = 20'
REV. 2/20/91
P.L. STANLEY/CK/SK/400
REVISED: 02/09/96

TRUE NORTH
SCALE: 1" = 200'

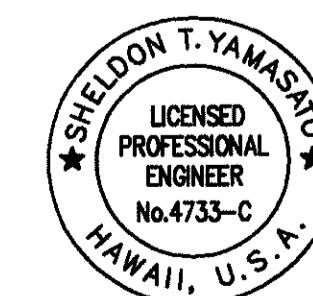
DESIGNED BY	DATE
CHECKED BY	
QUANTITIES BY	
REVISIONS	
NO.	

DATE	REVISION

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Sheldon T. Yamashiro

AKINAKA & ASSOCIATES, LTD.

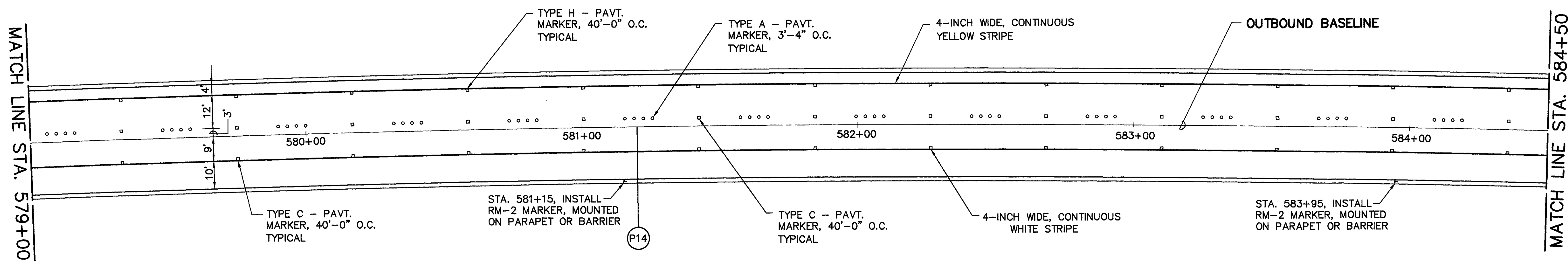
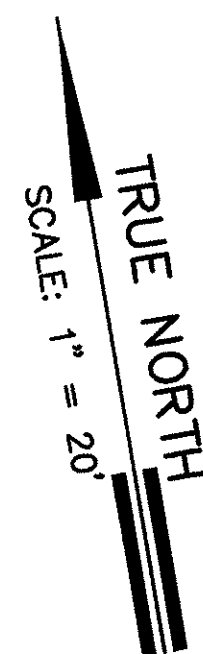


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
O.B. STA. 568+00 - 579+00
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I

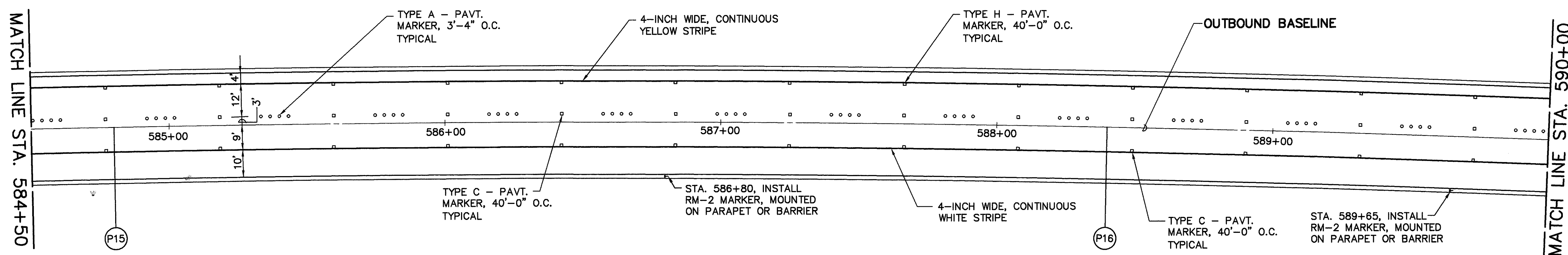
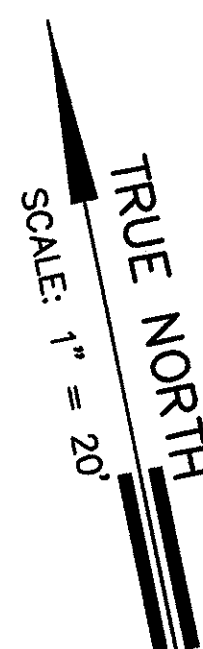
SCALE: 1" = 20' DATE: JAN 1996

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	155	405



SIGNING & PARTIAL MARKING PLAN - OUTBOUND

SCALE: 1" = 20'



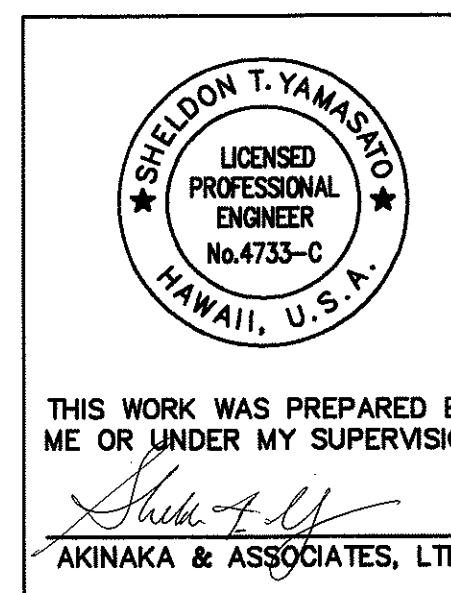
SIGNING & PARTIAL MARKING PLAN - OUTBOUND

SCALE: 1" = 20'

FILE: C51
SCALE: 1" = 20'
DATE: 1/17/96
DRAWN BY: SAISHI GONKAWA
CHECKED BY: SAISHI GONKAWA

DATE	
DESIGNED BY	
DRAWN BY	
CHECKED BY	
APPROVED BY	
DATE	

DATE	REVISION

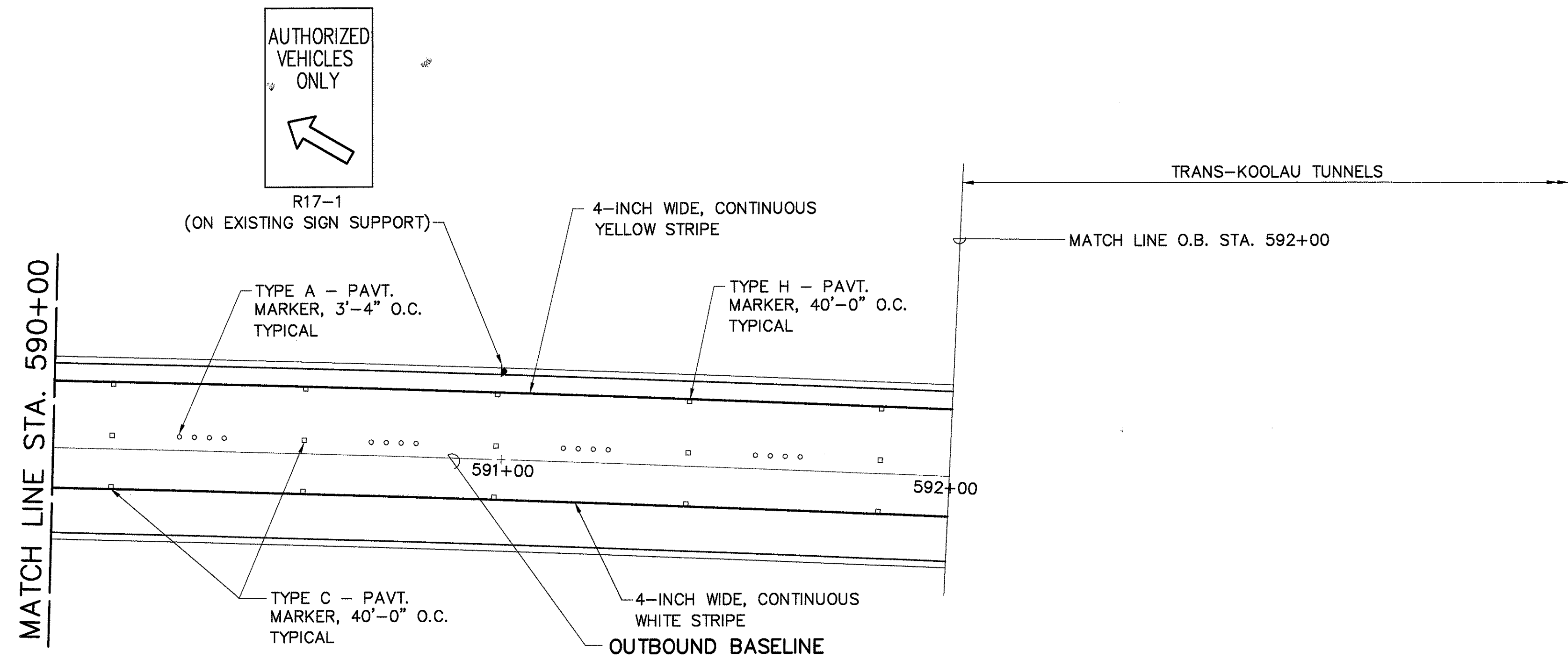
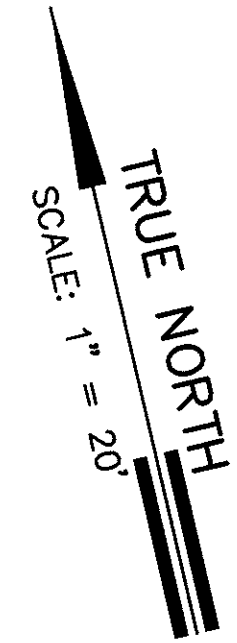


STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
O.B. STA. 579+00 - 590+00
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I

SCALE: 1" = 20' DATE: JAN 1996
SHEET NO. SPI3 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	156	405



SIGNING & PARTIAL MARKING PLAN - OUTBOUND
SCALE: 1" = 20'

REPAINT NOTES:

Repaint the existing Structures and Control Cabinets on Windward Viaduct at the following locations:

Overhead Sign/Lane Control Display Support Structures

Inbound:	Outbound:
Sta. 258+66.00	Sta. 259+40.00
Sta. 262+58.75	Sta. 261+40.00
Sta. 264+49.10	Sta. 262+41.99
Sta. 273+73.70	Sta. 273+70.11
Sta. 279+45.53	Sta. 310+85.11
Sta. 287+85.53	
Sta. 290+75.53	
Sta. 305+35.53	
Sta. 311+05.53	

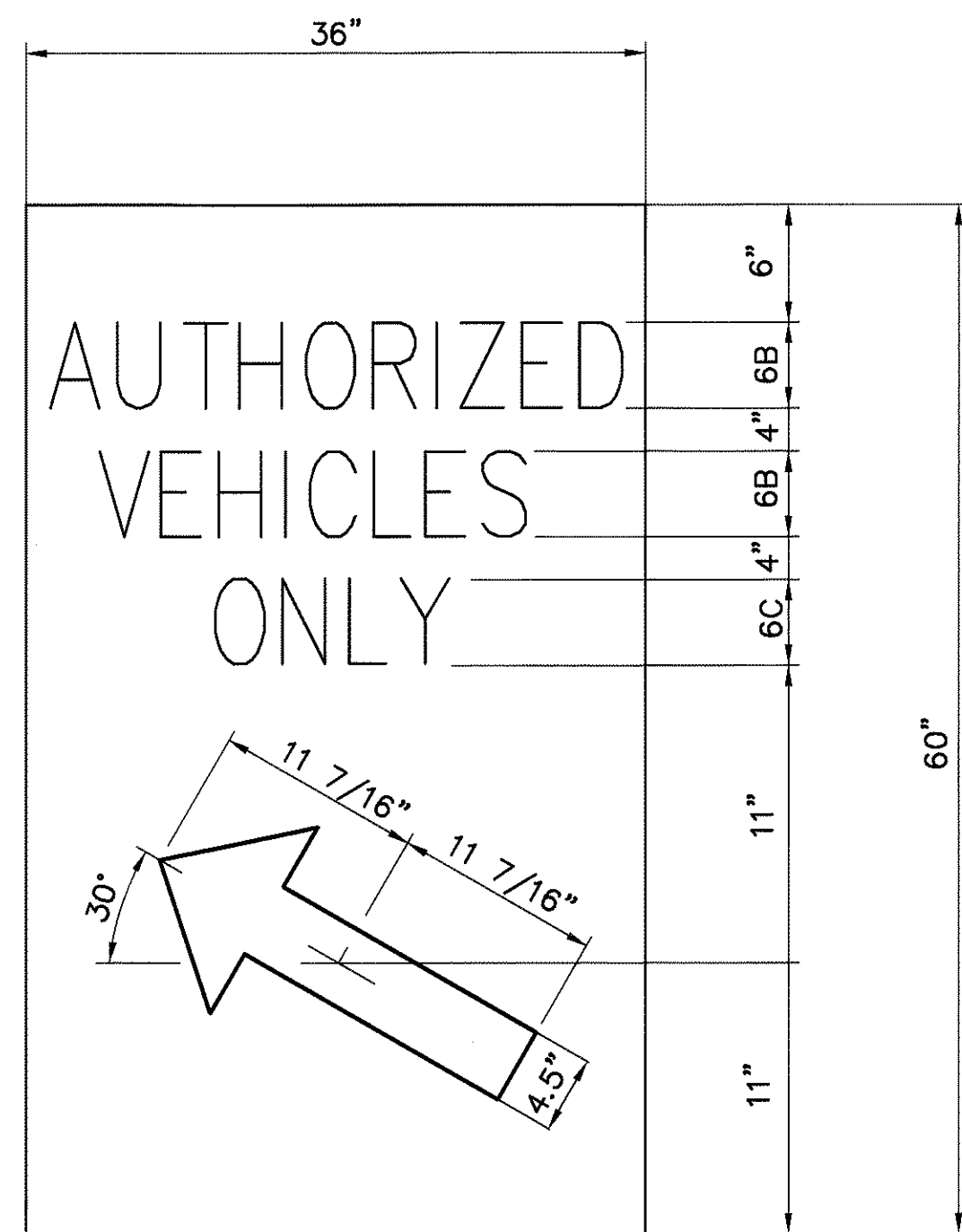
Control Cabinets

Inbound:	
Sta. 279+45	Sign Controller SC-21
Sta. 279+45	FO Term Box for SC-21
Sta. 287+85	Television Controller TVC-4E
Sta. 305+35	Television Controller TVC-5E
Sta. 311+05	FO Term Box for TC-20
Sta. 319+95	Television Controller TVC-6E

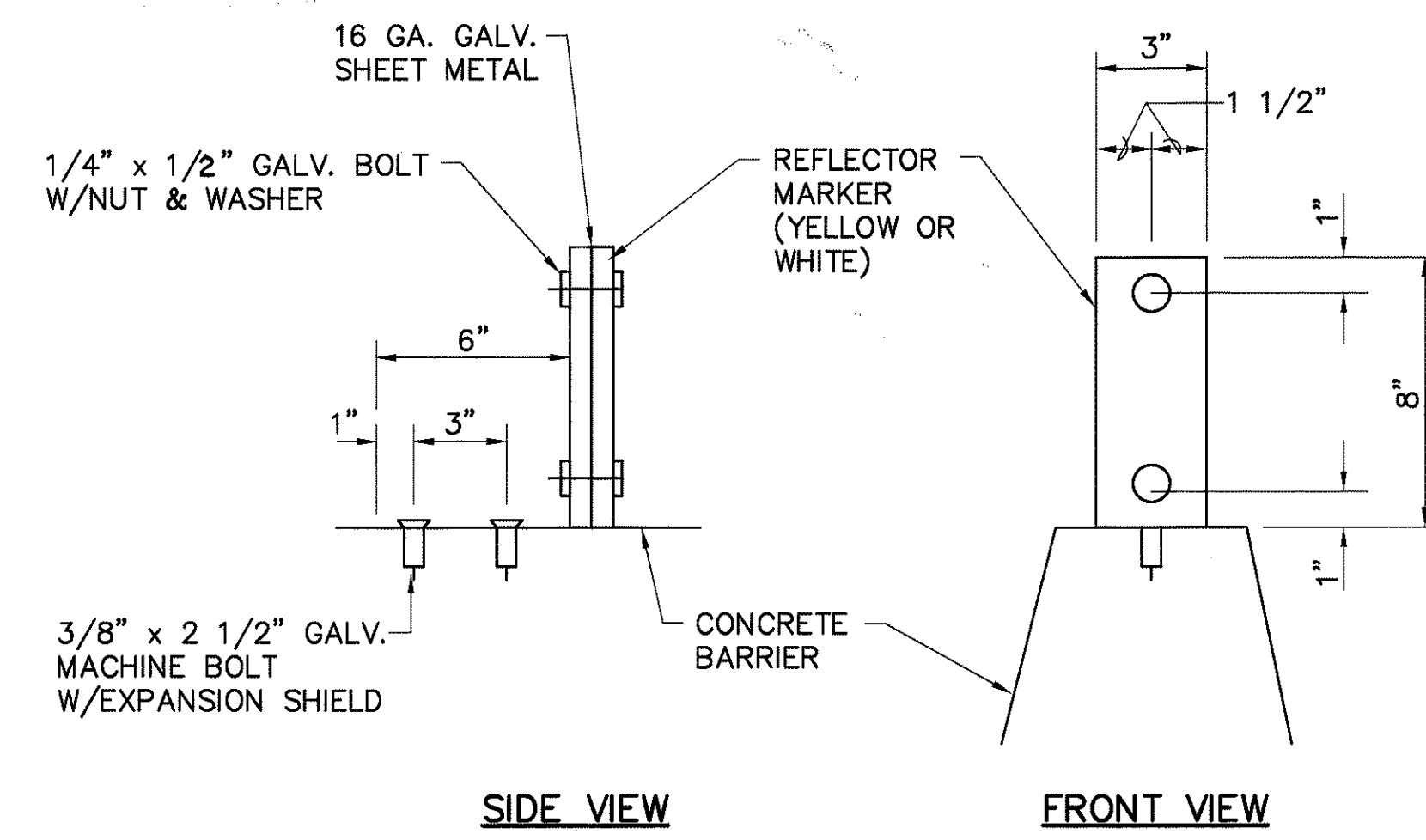
The existing surfaces shall be cleaned in accordance with SSPC-SP1, Solvent Cleaning, SSPC-SP-2, Hand Tool Cleaning, and SSPC-SP-3, Power Tool Cleaning, prior to painting. The coating system shall include, where applicable, one coat of Devco DEVFLEX 4020-7100 Red Primer, 2mil dry film thickness, and over the entire surfaces, one coat of Devco DEVFLEX 420G, Waterborne Acrylic Semi-Gloss Enamel, 2mil dry film thickness. Color of the finish coat shall be Dark Gray, Federal Specification TT-E-489F, color chip No. 26134.

All surfaces of the sign support structure shall be painted except portions of the sheet metal sidings, which are not exposed to view.

Repair and paint the sign support structure located on the North Halawa Valley Viaduct Outbound Sta. 573+40.



R17-1 SIGN DETAIL
NOT TO SCALE



RM-2 MARKER MOUNTED ON CONCRETE PARAPET OR BARRIER
NOT TO SCALE

FILE: C52
SCALE: 1" = 20'
REVISED: 02/14/96

DESIGNED BY	DATE
TRACED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTEBOOK	
No.	

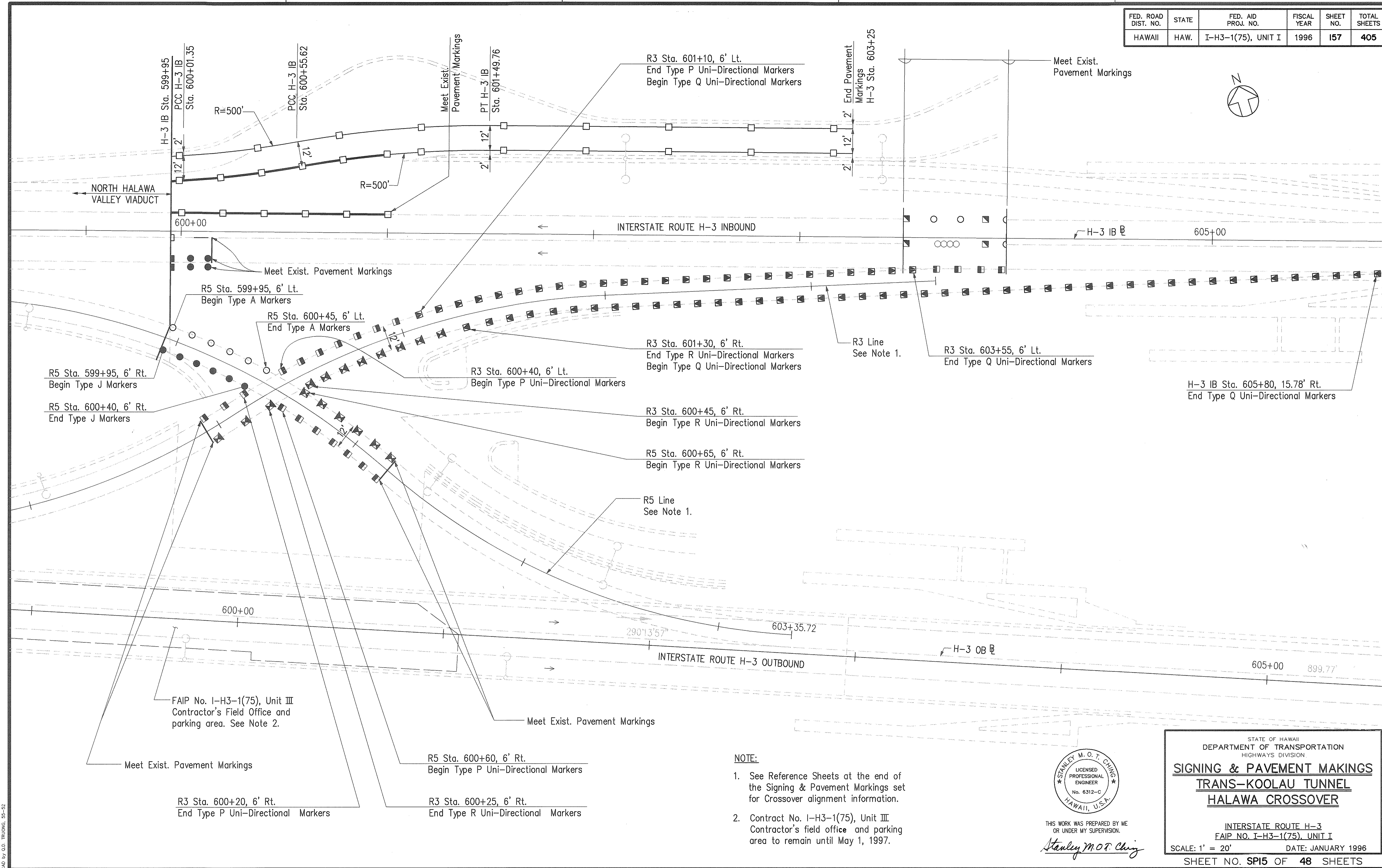
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
NORTH HALAWA VALLEY VIADUCT
O.B. STA. 590+00 - 592+00
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75) UNIT I

SCALE: 1" = 20' DATE: JAN 1996
SHEET NO. SPI4 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	157	405

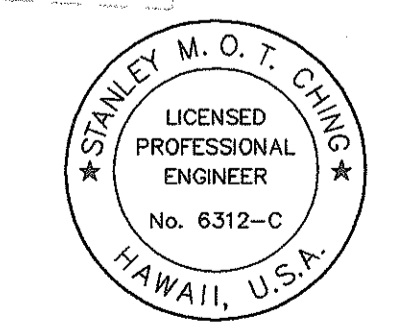


SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN No.	

CAD by G.D. THONG, 05-52

Last Saved: J:\H3RF\U1\SIGN\SS-HC02.dwg 02/12/96 at 08:50

- NOTE:**
- See Reference Sheets at the end of the Signing & Pavement Markings set for Crossover alignment information.
 - Contract No. I-H3-1(75), Unit III Contractor's field office and parking area to remain until May 1, 1997.



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Stanley M. O. T. Ching

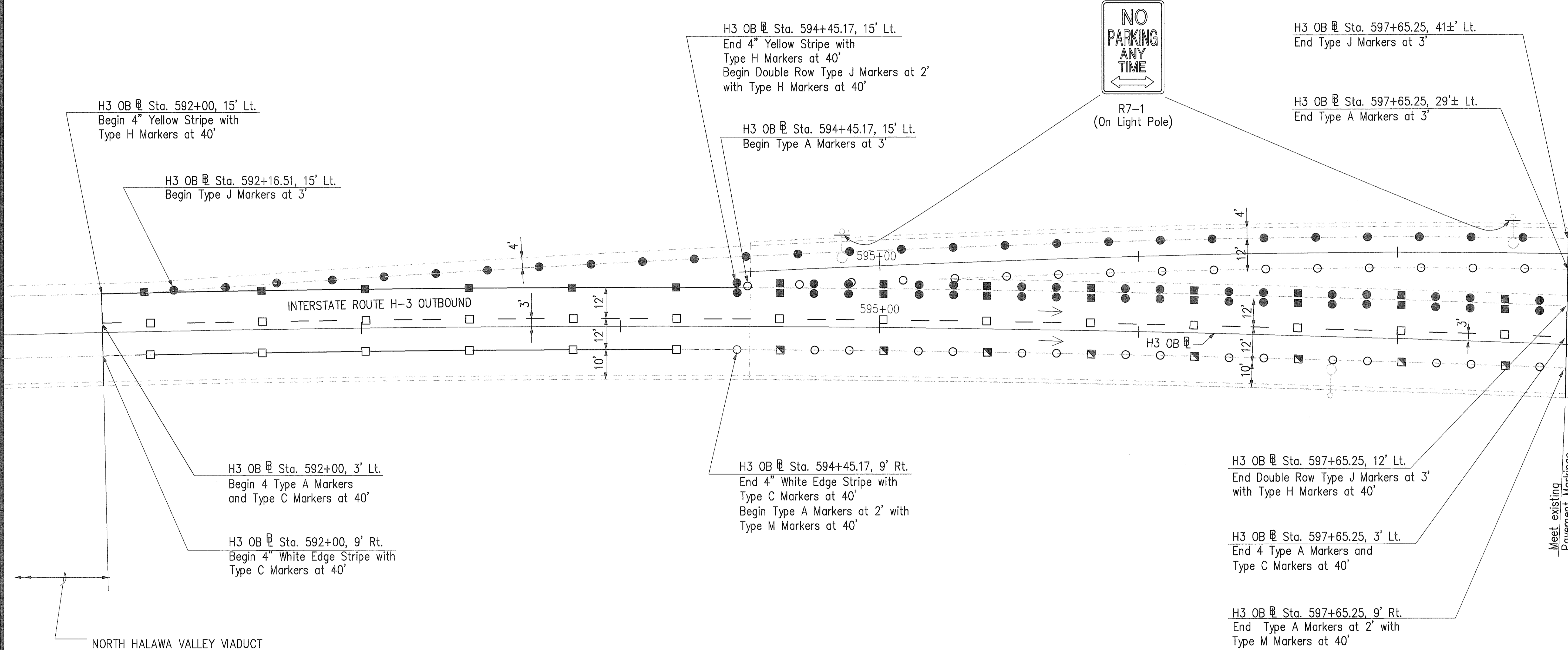
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MAKINGS
TRANS-KOOLAU TUNNEL
HALAWA CROSSOVER

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 20' DATE: JANUARY 1996
SHEET NO. SPI5 OF 48 SHEETS

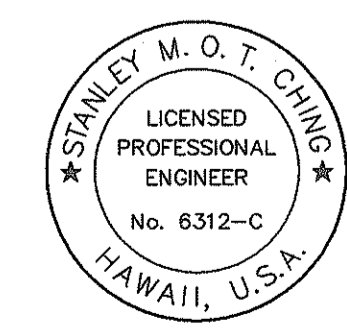
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	158	405



NOTE:
 1. See Reference sheets at the end of the Signing & Pavement Markings set for crossover alignment information.

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

CD by J.D. THONG, 95-52



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Stanley M. O. F. Ching

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
TRANS-KOOLAU TUNNEL
HALAWA CROSSOVER

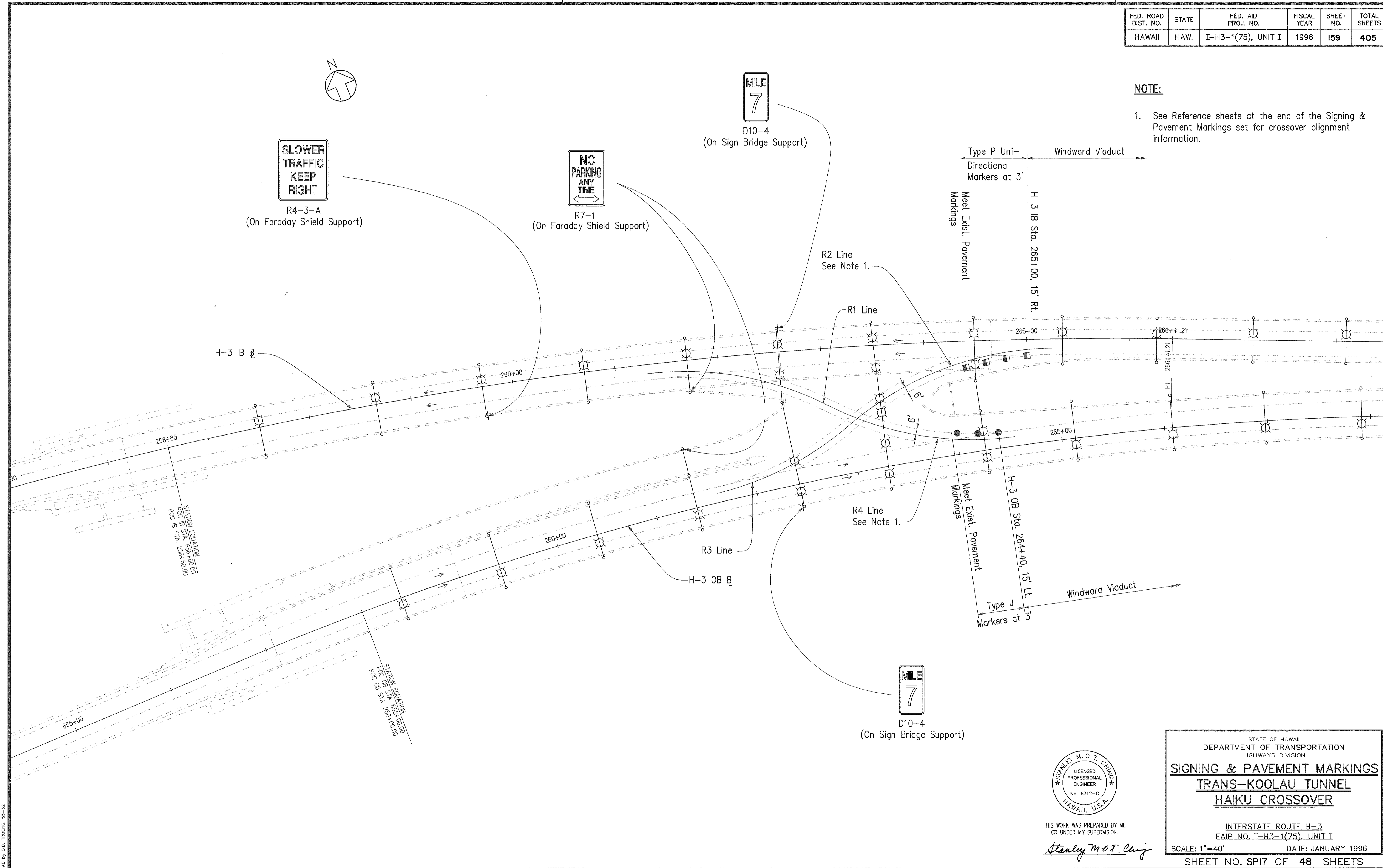
INTERSTATE ROUTE H-3
 FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 20' DATE: JANUARY 1996
 SHEET NO. SPI6 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	159	405

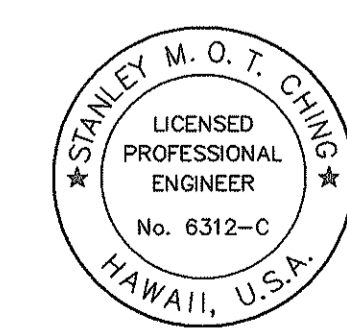
NOTE:

1. See Reference sheets at the end of the Signing & Pavement Markings set for crossover alignment information.



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

CD by C.D. THOMAS, 95-52



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Stanley M.O.T. Chang

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
TRANS-KOOLAU TUNNEL
HAIKU CROSSOVER

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

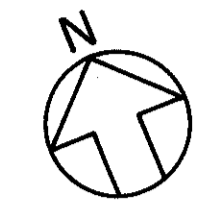
SCALE: 1"=40' DATE: JANUARY 1996

SHEET NO. SP17 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	160	405

SPEED LIMIT
55
R2-1(55)

at I.B. Sta. 272+84.70 (Lt., Rt.)
(On Faraday Shield Support)



DO NOT ENTER
R5-1

at I.B. Sta. 265+34.70 (Lt., Rt.)
(On Faraday Shield Support)

R8-3a
24" x 24"
ANY TIME

at I.B. Sta. 264+49.10 (Rt.)
at O.B. Sta. 264+25.61 (Lt.)
(On Faraday Shield Support)

Type C Markers @ 40' O.C.
4" White Edge Stripe w/ Type C Pavement Markers @ 40' O.C.
4-Type A Markers

4" Yellow Edge Stripe With Type H Markers @ 40' O.C.
RM-2 Reflector Markers

4" White Edge Stripe w/ Type C Pavement Markers @ 40' O.C.
Type C Markers @ 40' O.C.
4-Type A Markers

REDUCED SPEED
45
M.P.H.
R2-5b(45)

at O.B. Sta. 267+21.28 (Lt., Rt.)
(On Faraday Shield Support)

SPEED LIMIT
45
R2-1(45)

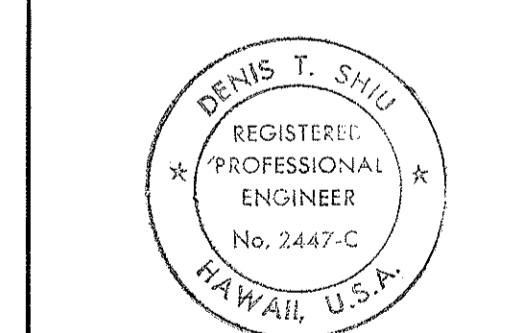
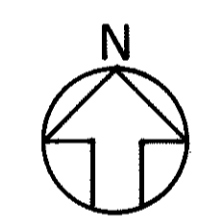
at O.B. Sta. 271+76.62 (Lt., Rt.)
(On Faraday Shield Support)

EXIT 9
NORTH
LIKELIKE HWY
2 MILES

E-1
H3 O.B. Sta. 273+70.11
Install Sign On Existing Sign Structure. See Detail On Sht. 187

EMERGENCY PARKING ONLY
R8-4

at I.B. Sta. 279+45.53 (Lt.)
at O.B. Sta. 274+61.54 (Lt.)
(On Faraday Shield Support)



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Denis T. Shin

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKINGS
WINDWARD VIADUCT
Sta. 265+00 TO STA. 284+00

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JAN. 1996
SHEET No. SPI8 OF 48 SHEETS

LEGEND

- Type A
- Type C
- Type H
- † RM-2 Reflector Marker Mounted On Concrete Parapet

SIGNING & STRIPING
SCALE: 1" = 40'

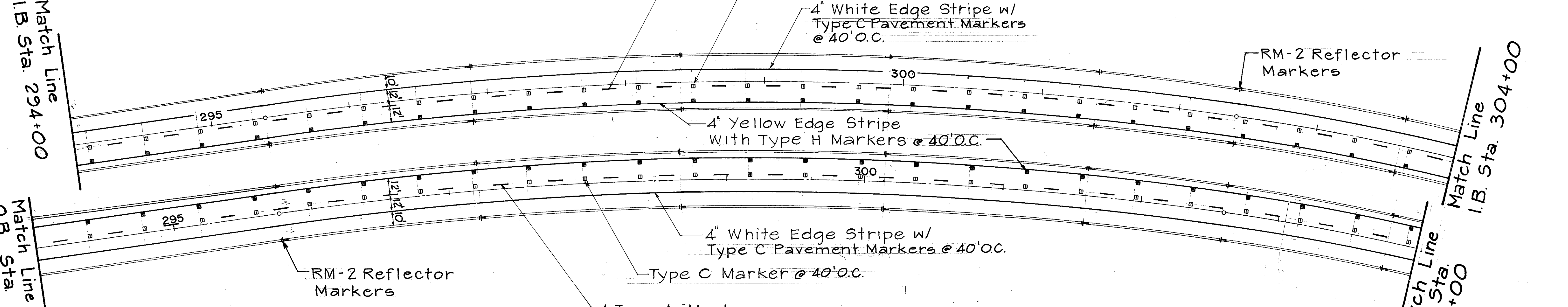
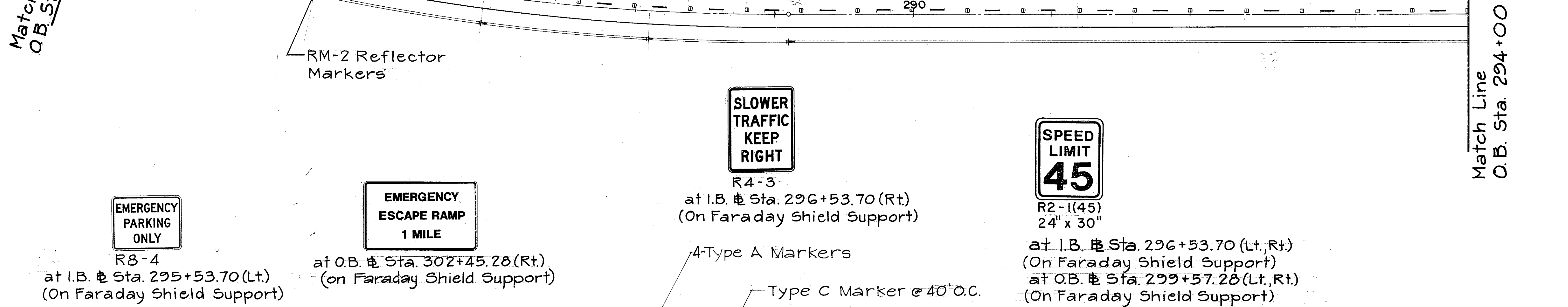
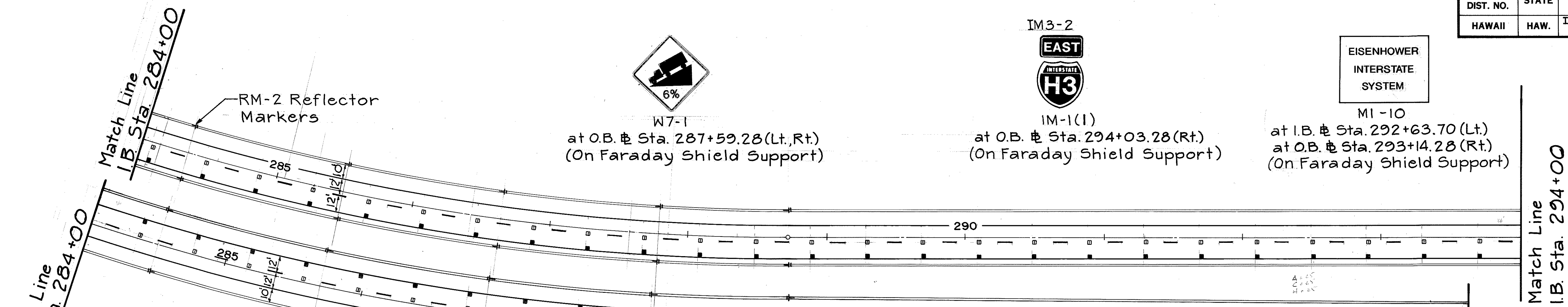
Note:
Signs Per State Std. Plan TE-04, TE-05 & TE-13
Attachment to Faraday Shield or Light Poles Per State Std. Plan TE-01.

DATE	REVISION

AS-BUILT 160

SURVEY PLOTTED BY	DATE
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.	I-H3-1(75), UNIT I	1996	161	405



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

- LEGEND**
- Type A
 - Type C
 - Type H
 - RM-2 Reflector Marker Mounted On Concrete Parapet

SIGNING & STRIPING
SCALE: 1" = 40'

Note: Signs Per State Std. Plan TE-04, TE-05, & TE-13. Attachment to Faraday Shield or Light Poles Per State Std. Plan TE-01.

DENIS T. SHIU
REGISTERED PROFESSIONAL ENGINEER
No. 2447-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Denis T. Shiu

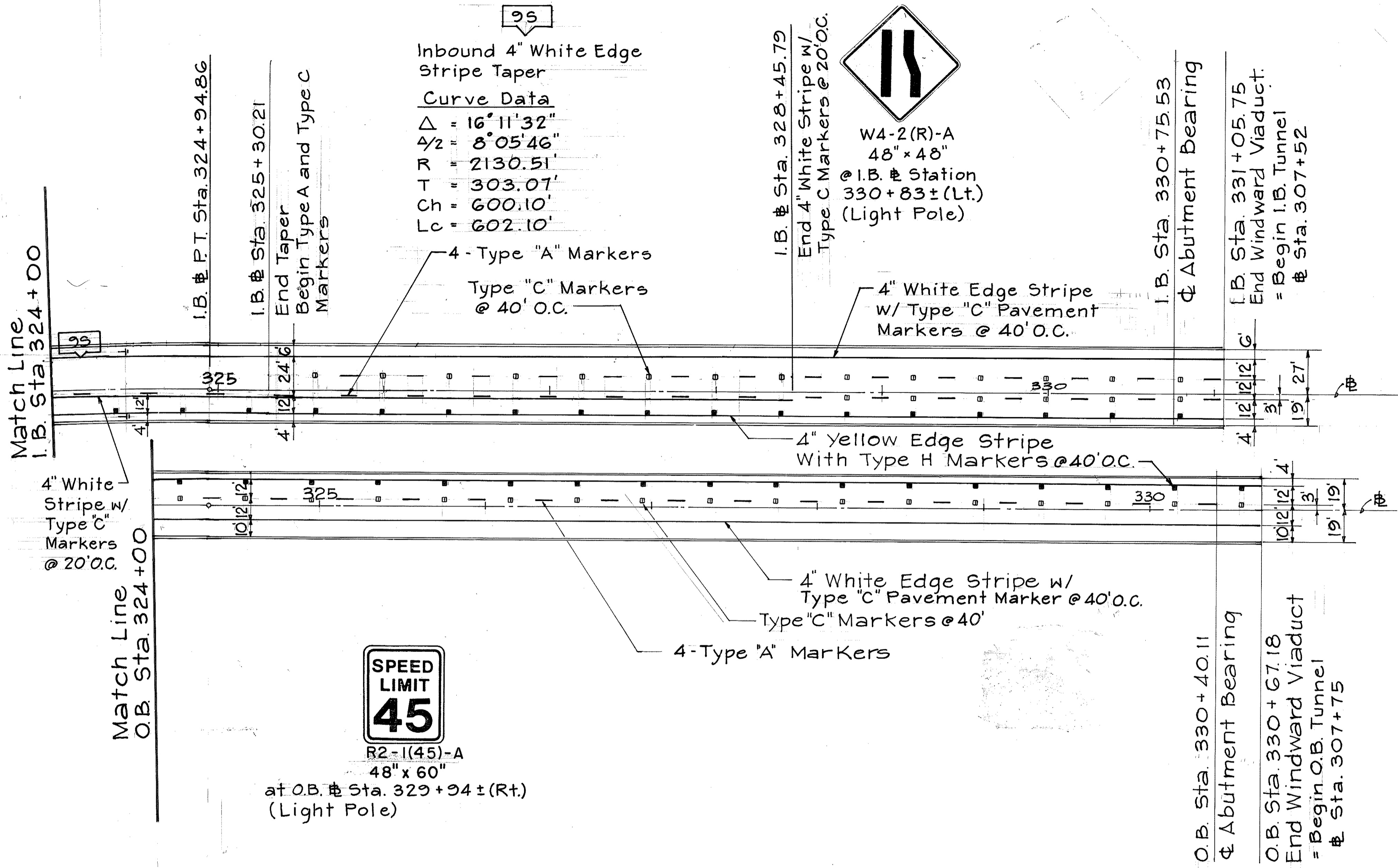
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
WINDWARD VIADUCT
ST. STA. 284+00 TO STA. 304+00

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JAN. 1996
SHEET No. SPI9OF 48 SHEETS

DATE	REVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	163	405



SIGNING & STRIPING
 SCALE: 1" = 40'

- LEGEND**
- Type A
 - Type C
 - Type H
 - RM-2 Reflector Marker Mounted On Concrete Parapet

Note:
 Signs per State Std. Plan TE-04, TE-05, & TE-13. Attachment to Faraday Shield or light poles per State Std. Plan TE-01.

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

DEMIS T. SHU
 REGISTERED PROFESSIONAL ENGINEER
 No. 2447-C
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Demis T. Shu

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

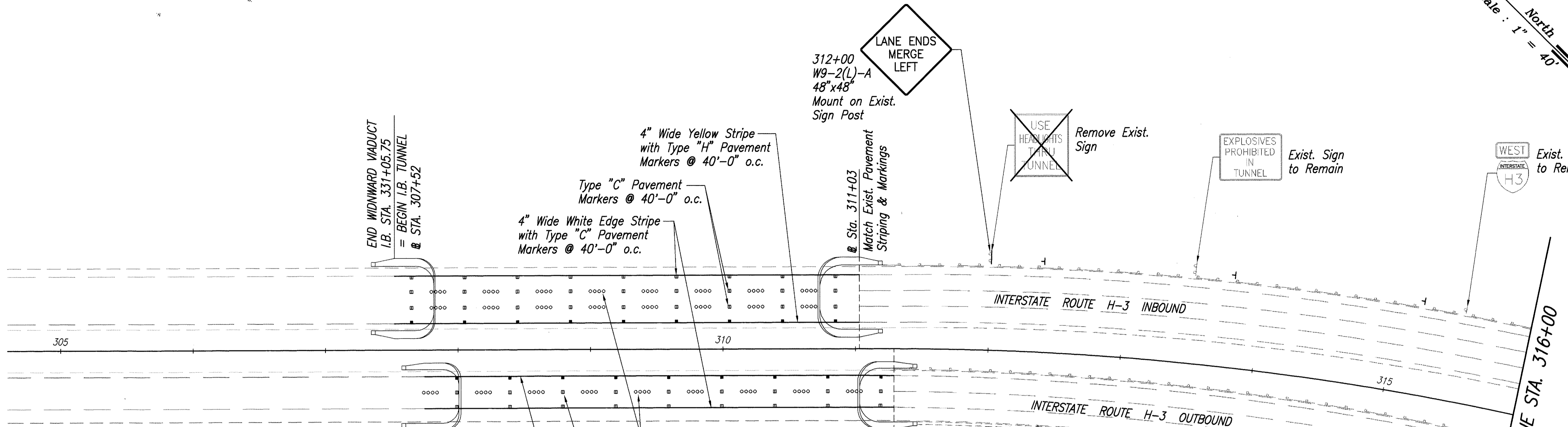
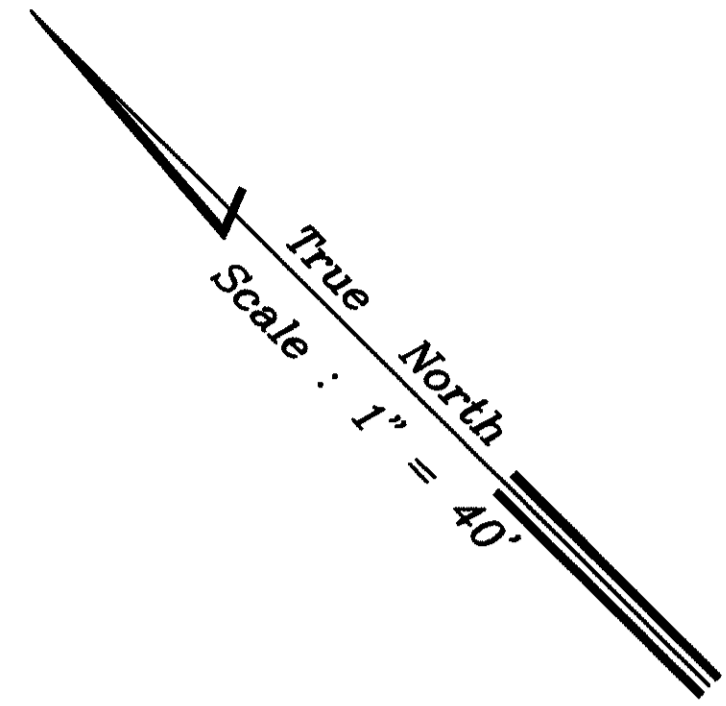
SIGNING & PAVEMENT MARKINGS
WINDWARD VIADUCT
STA. 324+00 TO STA. 331+00

INTERSTATE ROUTE H-3
 FAIP NO. I-H3-1(75), UNIT I
 SCALE: 1" = 40' DATE: JAN. 1996

SHEET No. SP21 OF 48 SHEETS

DATE	REVISION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75) UNIT 1	1996	164	405

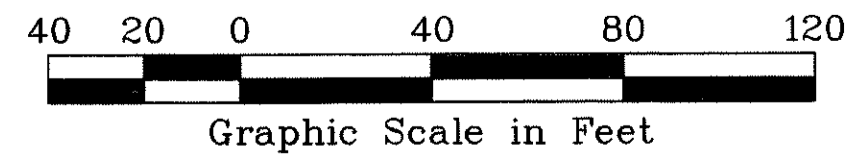


LEGEND

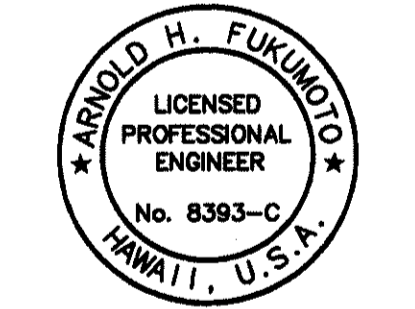
- 4 Each Type "A" Pavement Markers
- Type "C" Pavement Markers @ 40'-0" o.c.
- 4" Wide Yellow Stripe w/Type "H" Pavement Markers @ 40'-0" o.c.
- 4" Wide White Edge Stripe w/Type "C" Pavement Markers @ 40'-0" o.c.
- 4" Wide White Edge Line 2' Long @ 10'-0" o.c. w/Type "C" Pavement Markers @ 40'-0" o.c.
- 8" Wide White Lane Drop Marking 3' Long @ 15'-0" o.c. w/Type "C" Pavement Markers @ 30'-0" o.c.
- 8" Wide White Stripe w/Type "C" Pavement Markers @ 20'-0" o.c.
- 4" Wide White Intersection Guide Line 2' Long @ 6'-0" o.c.
- Pavement Arrow
- Reflector Marker, RM-2 Mounted on Flexible Delineator Post
- Reflector Marker, RM-2 Mounted on Concrete Parapet. See Detail on Sheet SP-1

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

83-456 (50)-1.000 0.00000 PLAN P1-40 02/22/96 RM



DATE	REVISION



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Arnold H. Fukunoto

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

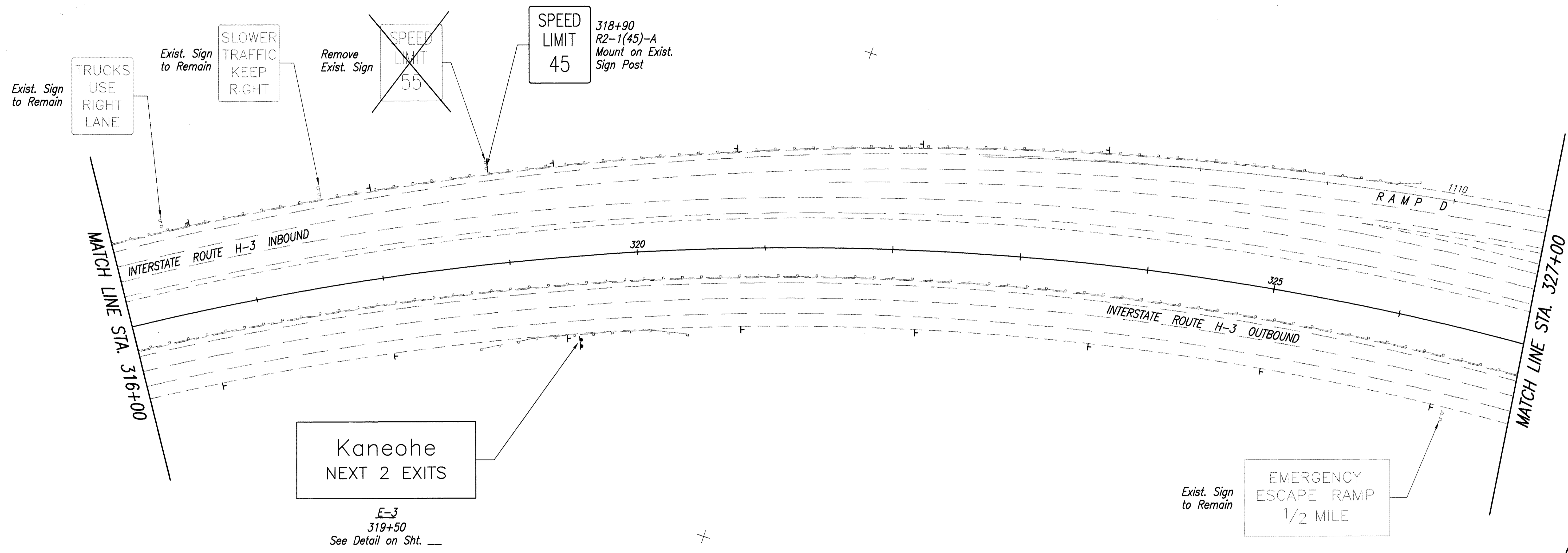
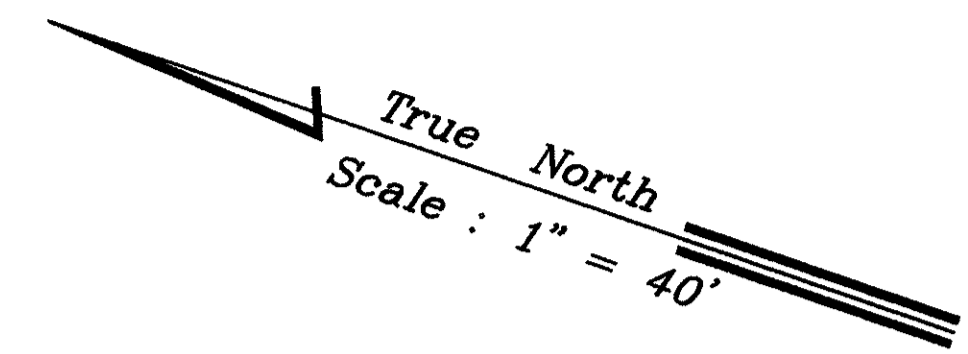
SIGNING & PAVEMENT MARKINGS
HOSPITAL ROCK TUNNEL

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(75) UNIT 1

SCALE: AS NOTED DATE: JAN. 1996

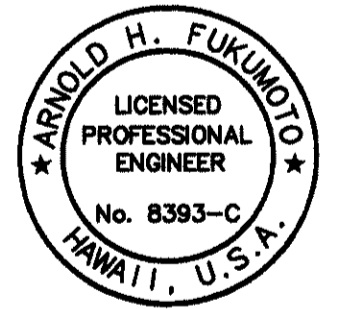
SHEET No.SP22 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75) UNIT 1	1996	165	405



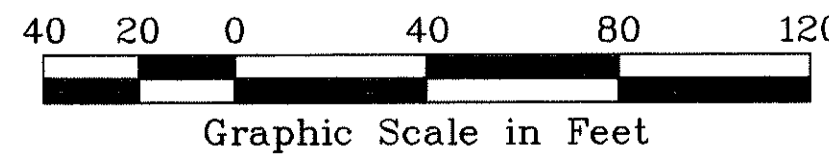
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

84-45.6 (53)-2(96) DISTRICT PLAN P1-140 02/23/96 KM



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Arnold H. Fukumoto



DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS

HOSPITAL ROCK TUNNEL

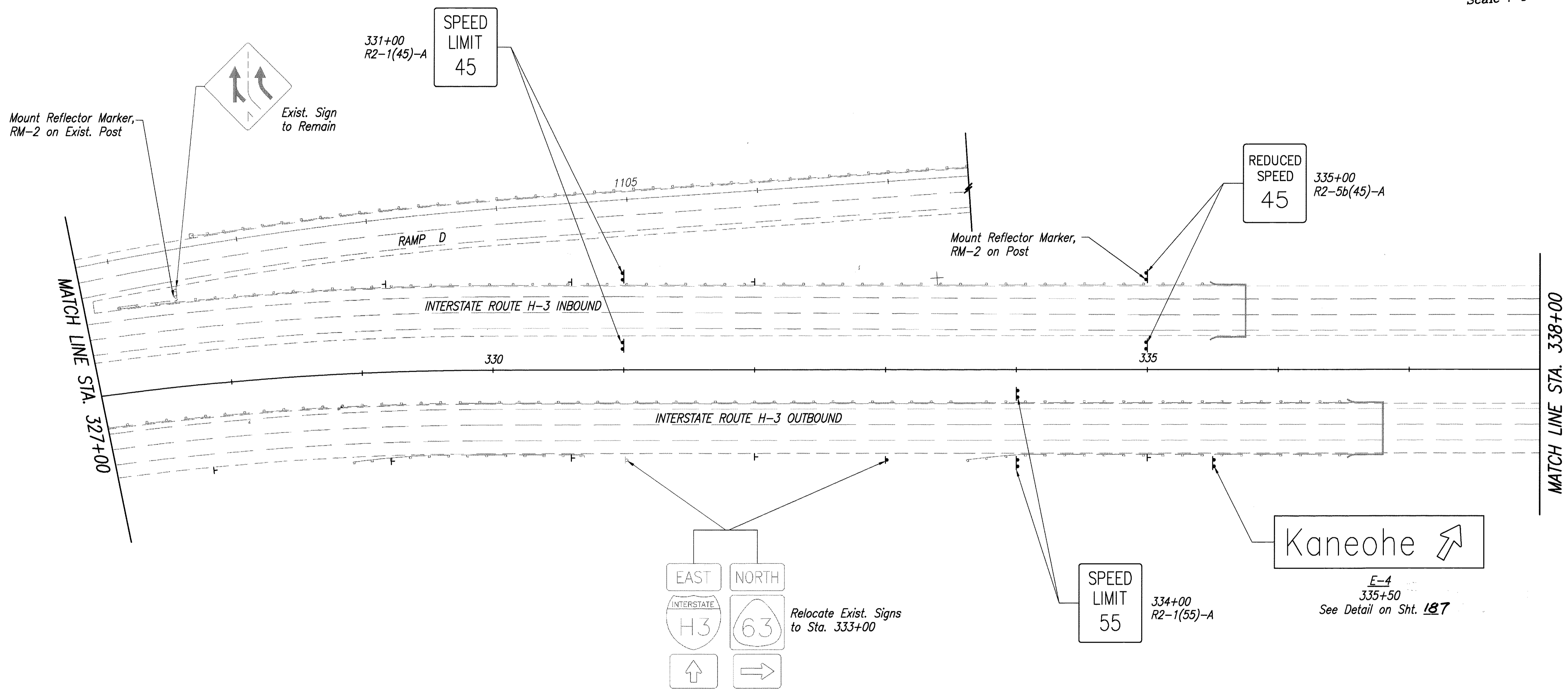
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(75) UNIT 1

SCALE: AS NOTED DATE: JAN. 1996

SHEET No. SP23 of 48 SHEETS

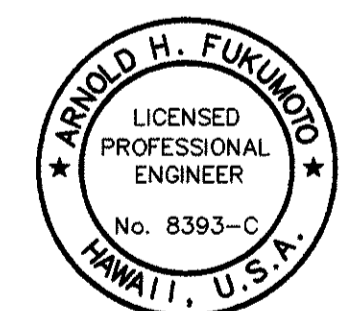
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-(75) UNIT 1	1996	166	405

True North
Scale : 1" = 40'

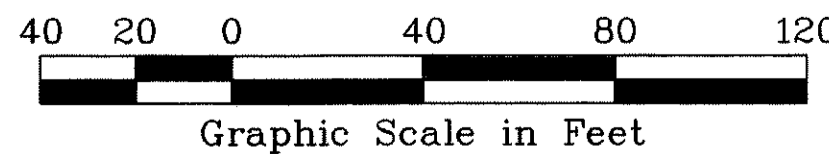


DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

28-466 (50)-30M-30M DISTANCE PLAN P1=40 02/22/96 KM



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Arnold H. Fukunaga
ENGINEERS SURVEYORS HAWAII, INC.



DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS

HOSPITAL ROCK TUNNEL

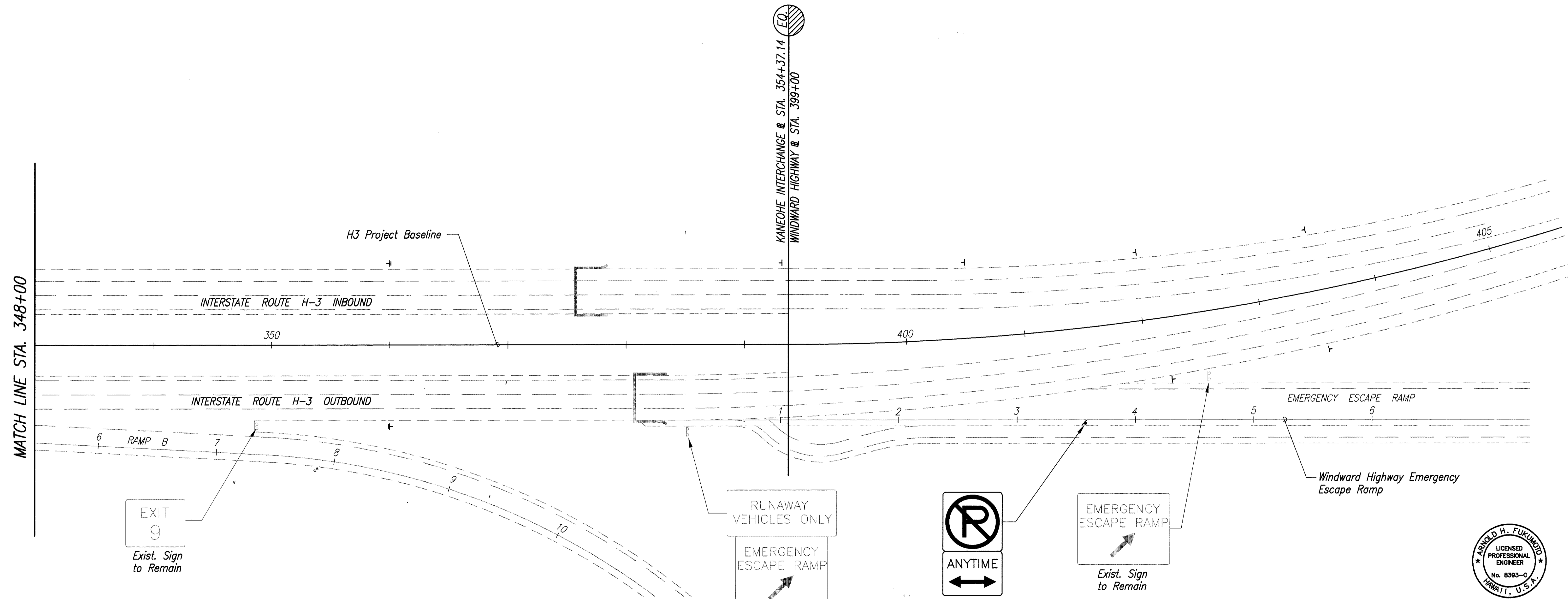
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(75) UNIT 1

SCALE: AS NOTED DATE: JAN. 1996

SHEET No.SP24 of 48 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75) UNIT 1	1996	168	405

True North
Scale : 1" = 40'



MATCH LINE STA. 348+00

EXIT 9
Exist. Sign to Remain

RUNAWAY VEHICLES ONLY
EMERGENCY ESCAPE RAMP
Exist. Signs to Remain

ANYTIME
3+50 Windward Hwy.
Escape Ramp Baseline
R8-3a

EMERGENCY ESCAPE RAMP
Exist. Sign to Remain

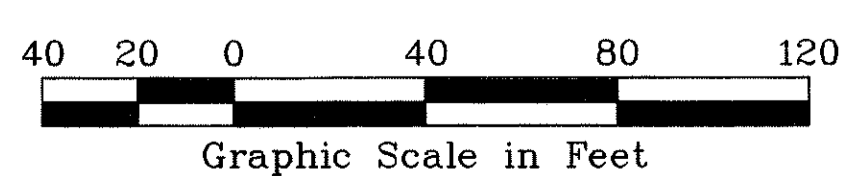
Windward Highway Emergency Escape Ramp



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Arnold H. Fukunaga

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

25-45.6 F50-50MG CSTRIPING PLAN P1-40 02/23/96 W4



DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
KANEOHE INTERCHANGE

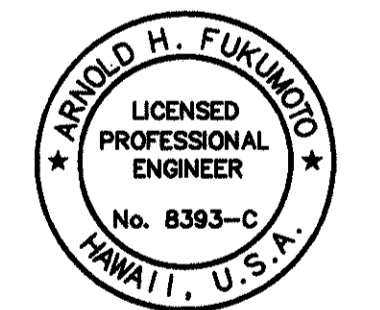
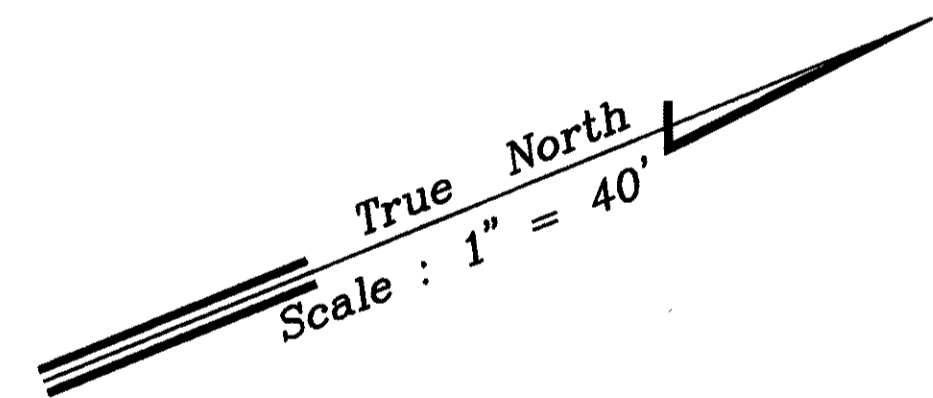
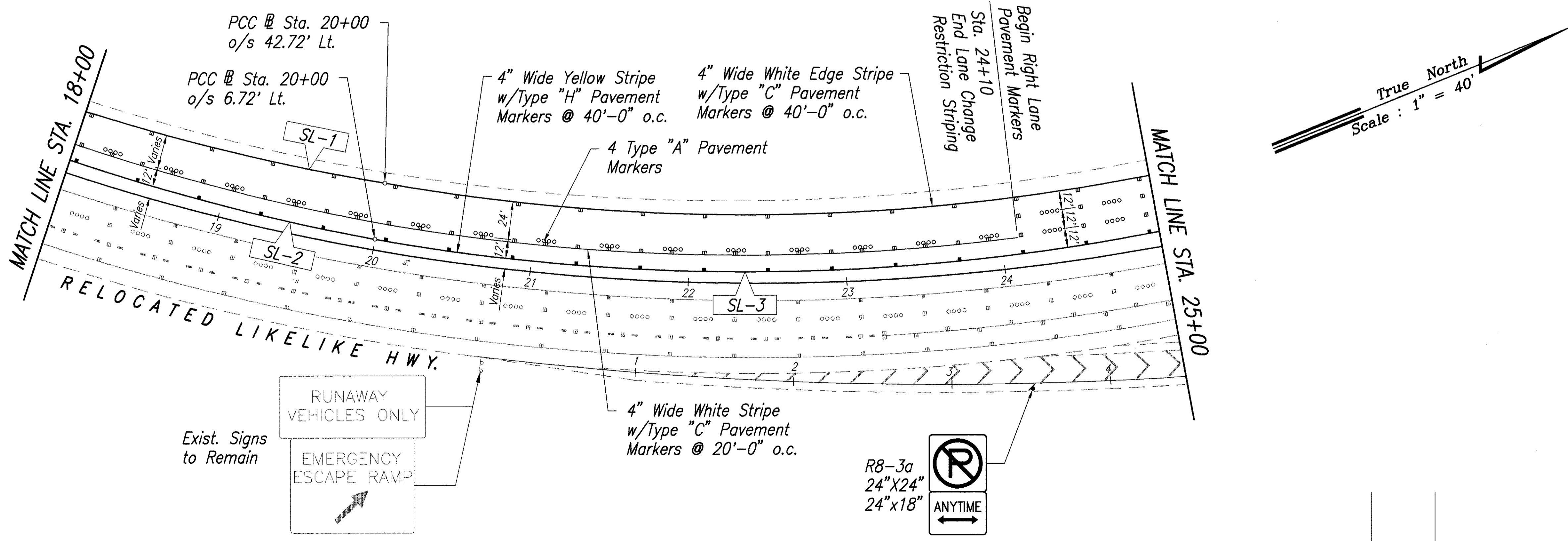
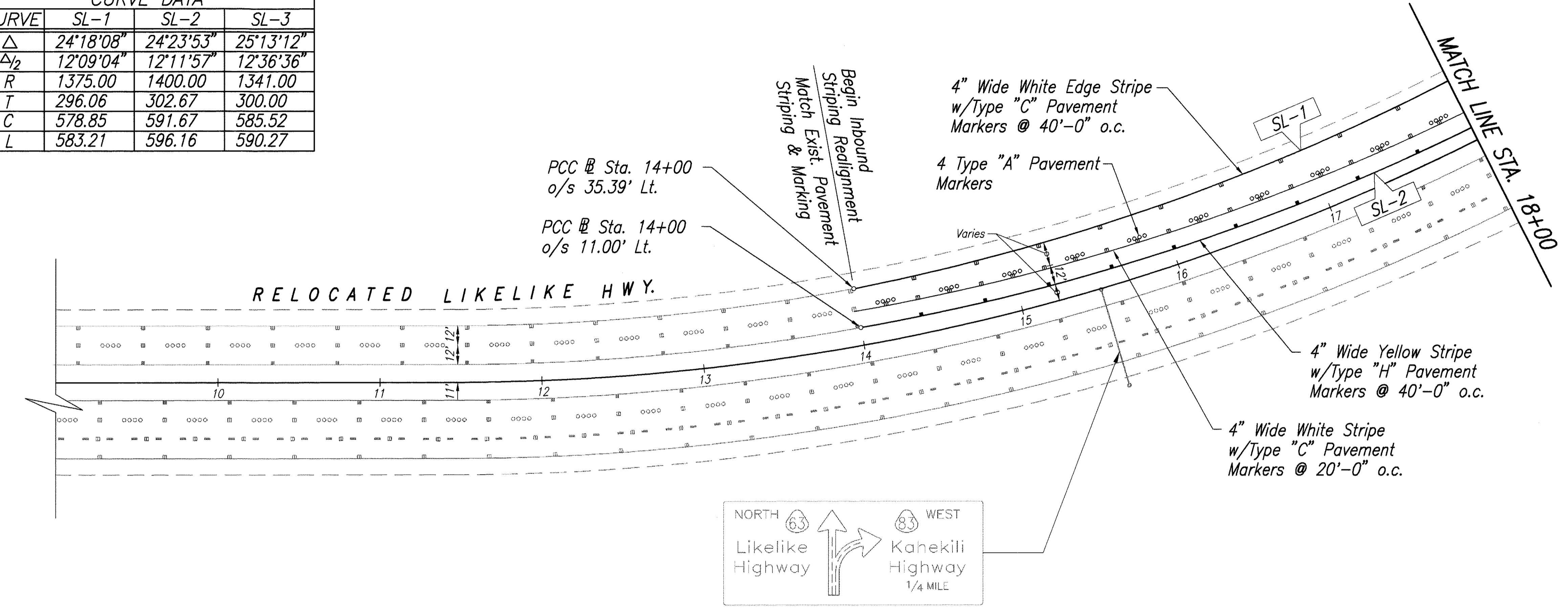
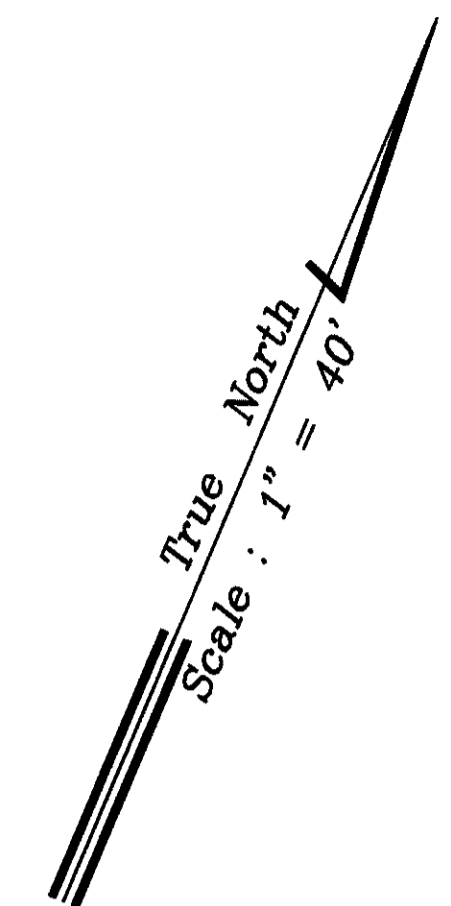
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(75) UNIT 1

SCALE: AS NOTED DATE: JAN. 1996

SHEET No. SP26 of 48 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75) UNIT 1	1996	169	405

CURVE DATA			
CURVE	SL-1	SL-2	SL-3
Δ	24'18"08"	24'23"53"	25'13"12"
$\Delta/2$	12'09'04"	12'11'57"	12'36'36"
R	1375.00	1400.00	1341.00
T	296.06	302.67	300.00
C	578.85	591.67	585.52
L	583.21	596.16	590.27



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Arnold H. Fukunaga

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
RELOCATED LIKELIKE HIGHWAY

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(75) UNIT 1

SCALE: AS NOTED DATE: JAN. 1996

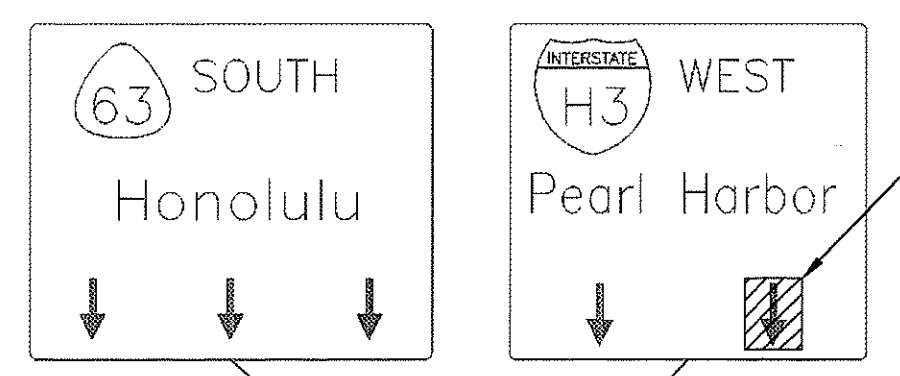
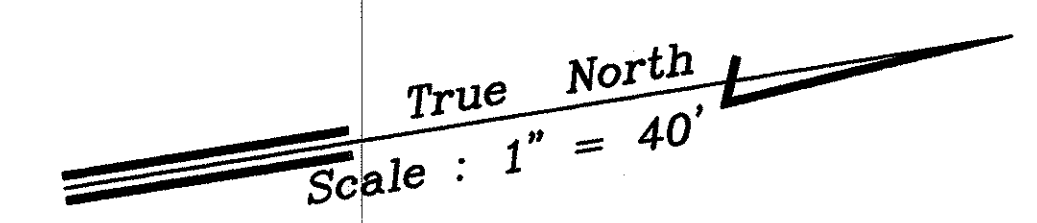
SHEET No. SP27 OF 48 SHEETS

DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
NOTE BOOK	
QUANTITIES BY	
No.	

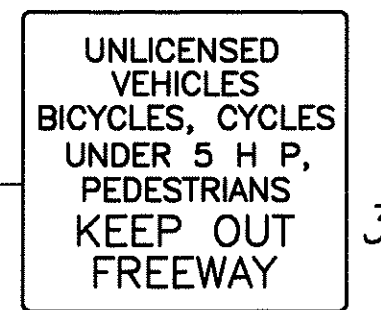
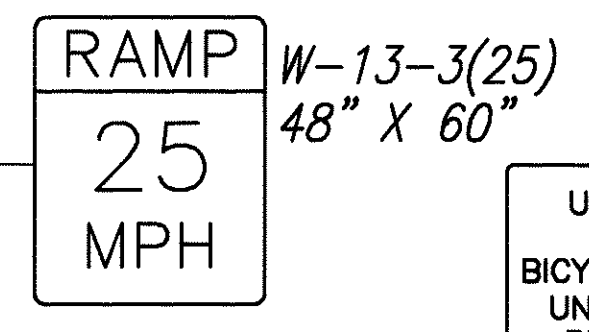
85-4687 F.S.-P27(169) 20-SIGNING PLAN P1-140 02/23/96 KAH

DATE	REVISION

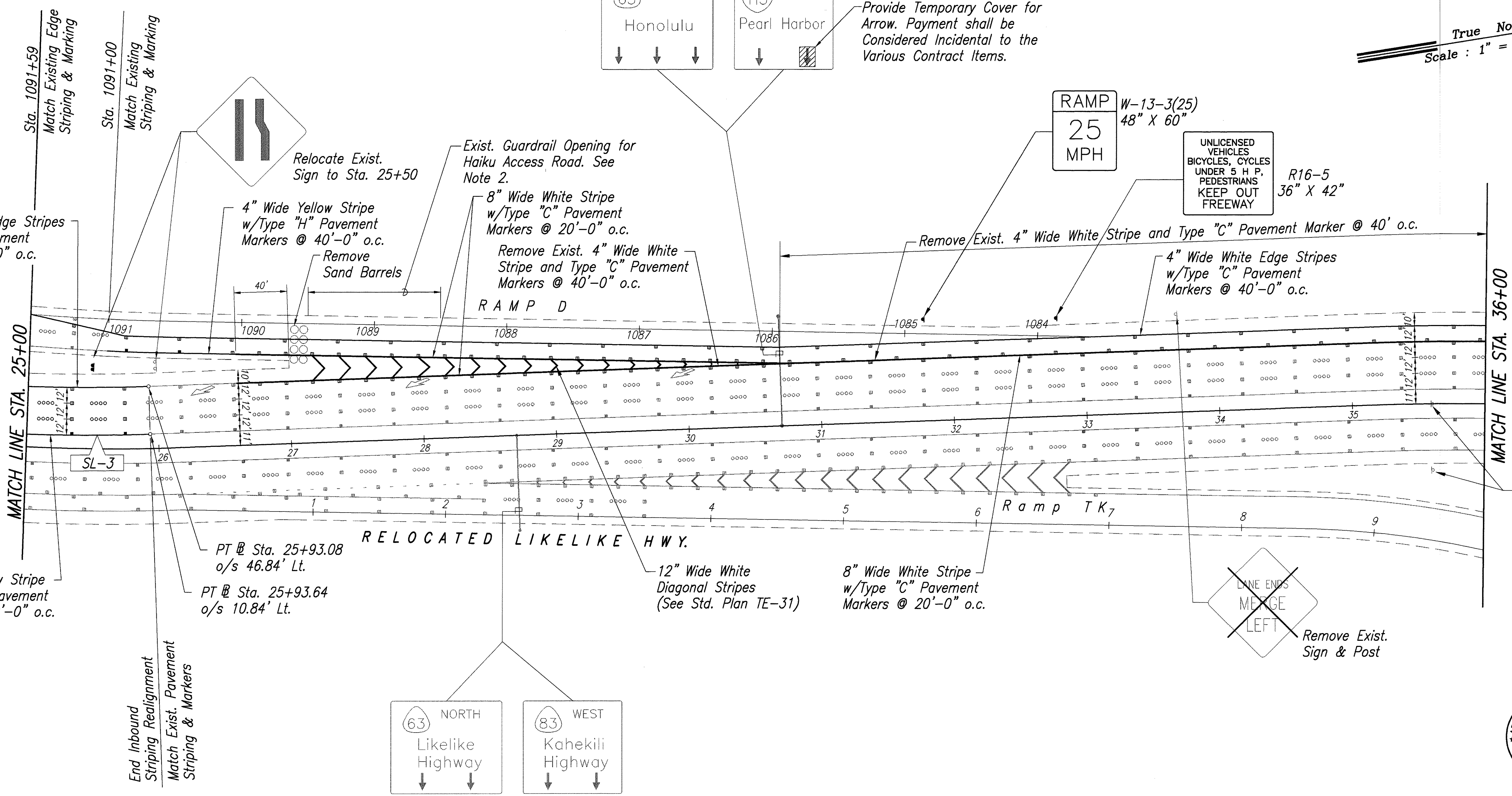
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	H-3-1(75) UNIT	1996	ADD. 169S-1	405



Provide Temporary Cover for Arrow. Payment shall be Considered Incidental to the Various Contract Items.



R16-5 36" X 42"



4" Wide White Edge Stripes w/Type "C" Pavement Markers @ 40'-0" o.c.

Relocate Exist. Sign to Sta. 25+50

4" Wide Yellow Stripe w/Type "H" Pavement Markers @ 40'-0" o.c.

Exist. Guardrail Opening for Haiku Access Road. See Note 2.

8" Wide White Stripe w/Type "C" Pavement Markers @ 20'-0" o.c.

Remove Exist. 4" Wide White Stripe and Type "C" Pavement Markers @ 40'-0" o.c.

RAMP D

Remove Exist. 4" Wide White Stripe and Type "C" Pavement Marker @ 40' o.c.

4" Wide White Edge Stripes w/Type "C" Pavement Markers @ 40'-0" o.c.

4" Wide Yellow Stripe w/Type "H" Pavement Markers @ 40'-0" o.c.

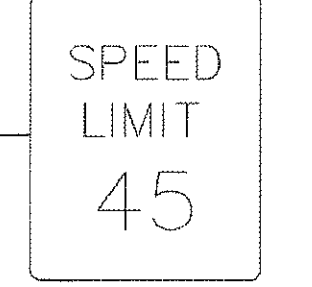
PT @ Sta. 25+93.08 o/s 46.84' Lt.

PT @ Sta. 25+93.64 o/s 10.84' Lt.

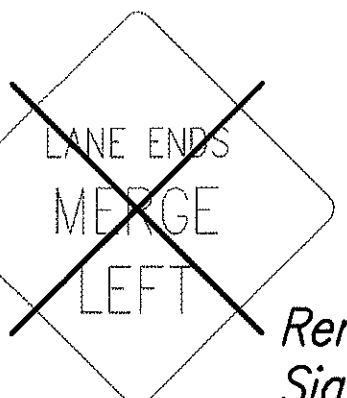
RELOCATED LIKELIKE HWY.

12" Wide White Diagonal Stripes (See Std. Plan TE-31)

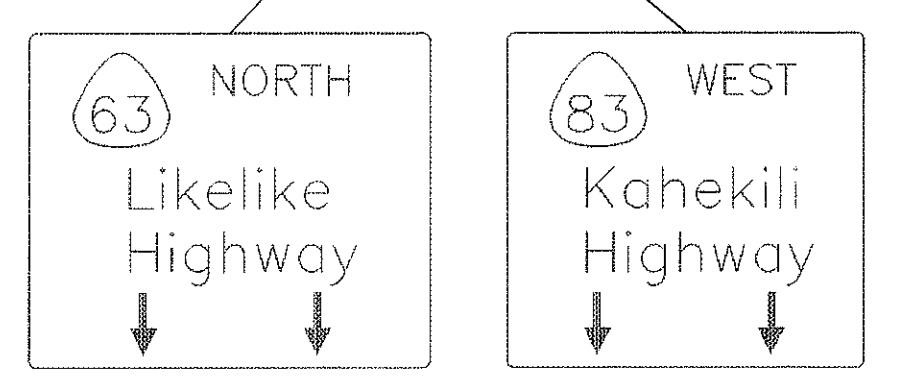
8" Wide White Stripe w/Type "C" Pavement Markers @ 20'-0" o.c.



Exist. Sign to Remain



Remove Exist. Sign & Post

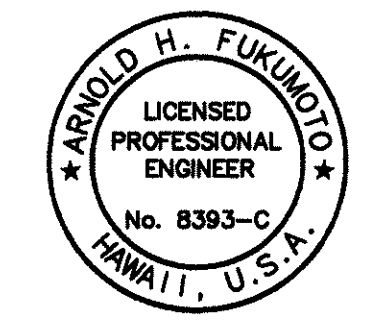


NOTE

1. Signing and pavement markings for Ramp D shall be done according to this plan sheet to allow construction access to Haiku Access Road after the opening of public traffic to H-3.
2. The Contractor shall protect the existing guardrail opening during non-work hours. Payment for this work shall be considered incidental to the various contract items.
3. Final signing and pavement markings for Ramp D, as shown on Sht. SP28, shall be coordinated with the removal of the Haiku Access Road intersection.

CURVE DATA	
CURVE	SL-3
Δ	25°13'12"
Δ/2	12°36'36"
R	1341.00
T	300.00
C	585.52
L	590.27

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Arvold Fukunoto

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
RELOCATED LIKELIKE HIGHWAY

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(75) UNIT I

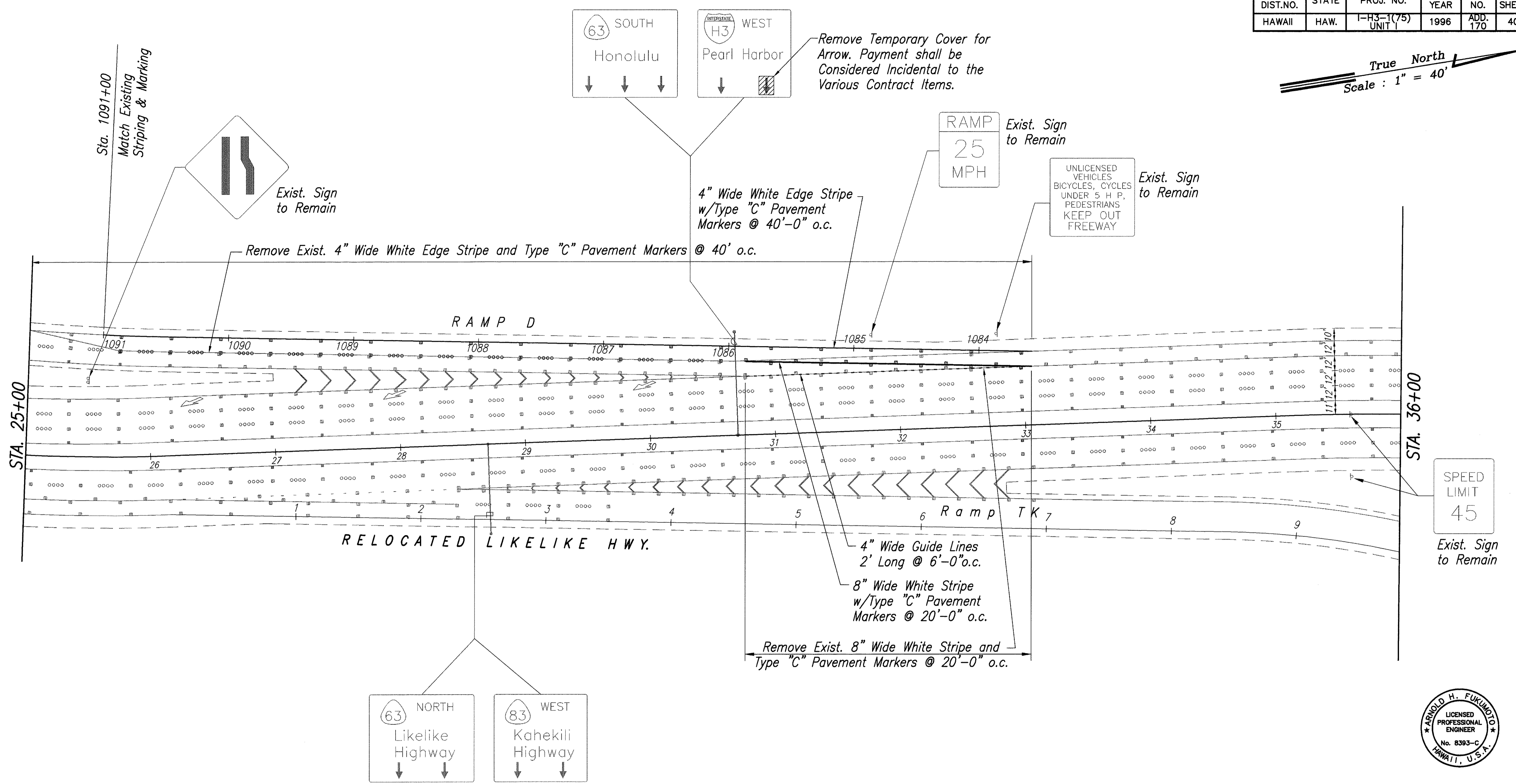
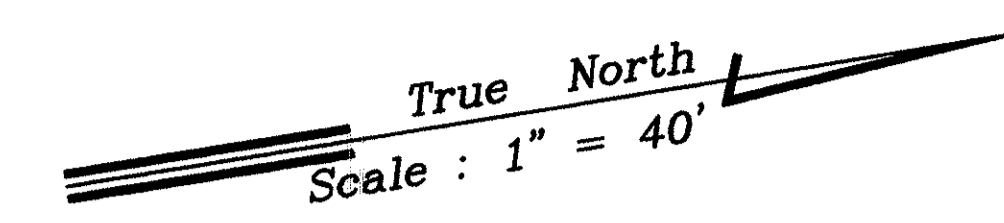
SCALE: AS NOTED DATE: APR., 1996

SHEET No. 27A OF 48 SHEETS

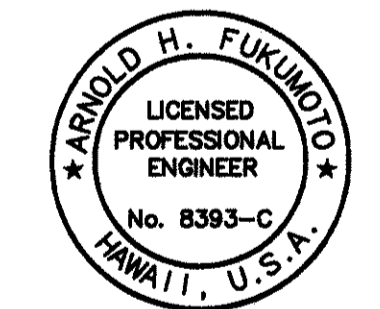
5/1/96	Sheet Added Showing Installation of Signing & Pavement Markings as construction access to Haiku Access Road is permitted.
DATE	REVISION

ADD. 169S-1

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75) UNIT 1	1996	ADD. 170	405



NOTE
 1. Final signing and pavement markings for Ramp D shown on this sheet will be done after H-3 is opened to public traffic. This work shall be coordinated with the removal of the Haiku Access Road intersection and the installation of permanent metal guardrail as shown on Sht. CA2.



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Arnold H. Fukumoto

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

83-46.6 P.S. 49-2400E 04/17/96 CONW. P. 1-40 05/07/96 JY

5/1/96	Revised Signing and Pavement Markings.
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
RELOCATED LIKELIKE HIGHWAY

INTERSTATE ROUTE H-3
 F.A.I. PROJ. NO. I-H3-1(75) UNIT 1

SCALE: AS NOTED DATE: JAN., 1996

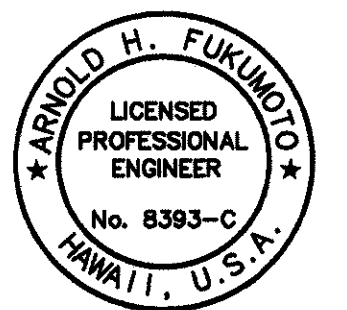
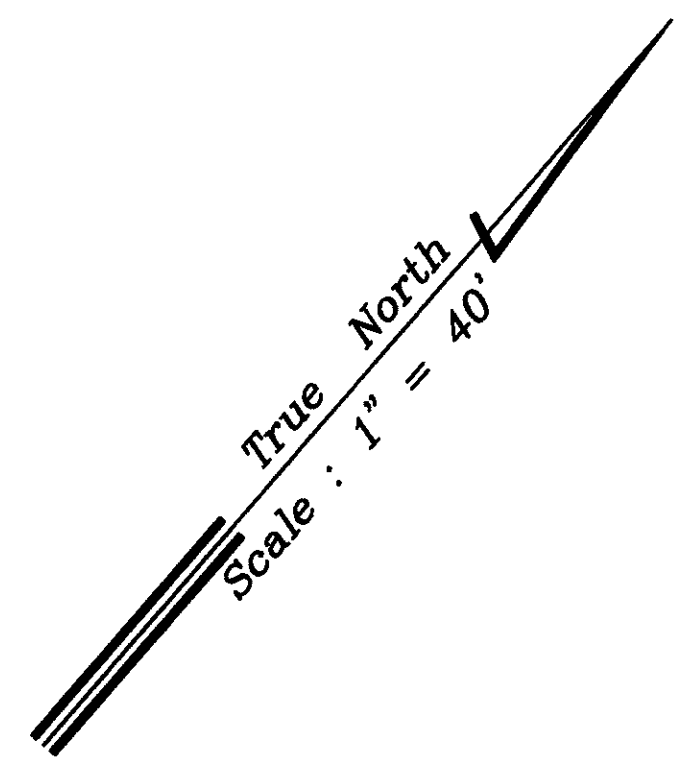
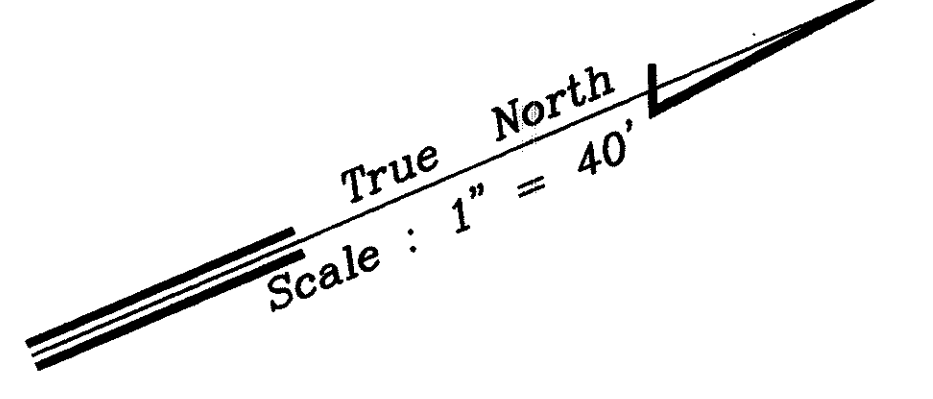
SHEET No.SP28 OF 48 SHEETS

ADD. 170

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75) UNIT 1	1996	ADD. 171	405

Install Legend (Arrows, H3 Shield, "WEST", "PEARL HARBOR" and 1/4 MILE) on Exist. Sign D-9. The State will furnish Letters, Arrows and Fasteners.

Provide Temporary Cover for Ramp D Lane Markings upon Opening of H-3 to Public Traffic as Shown on Sht. SP27A. Remove Temporary Cover upon Final Signing and Pavement Markings for Ramp D as Shown on Sht. SP28. Payment shall be Considered Incidental to the Various Contract Items.



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Arnold H. Fukumoto

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
RELOCATED LIKELIKE HIGHWAY

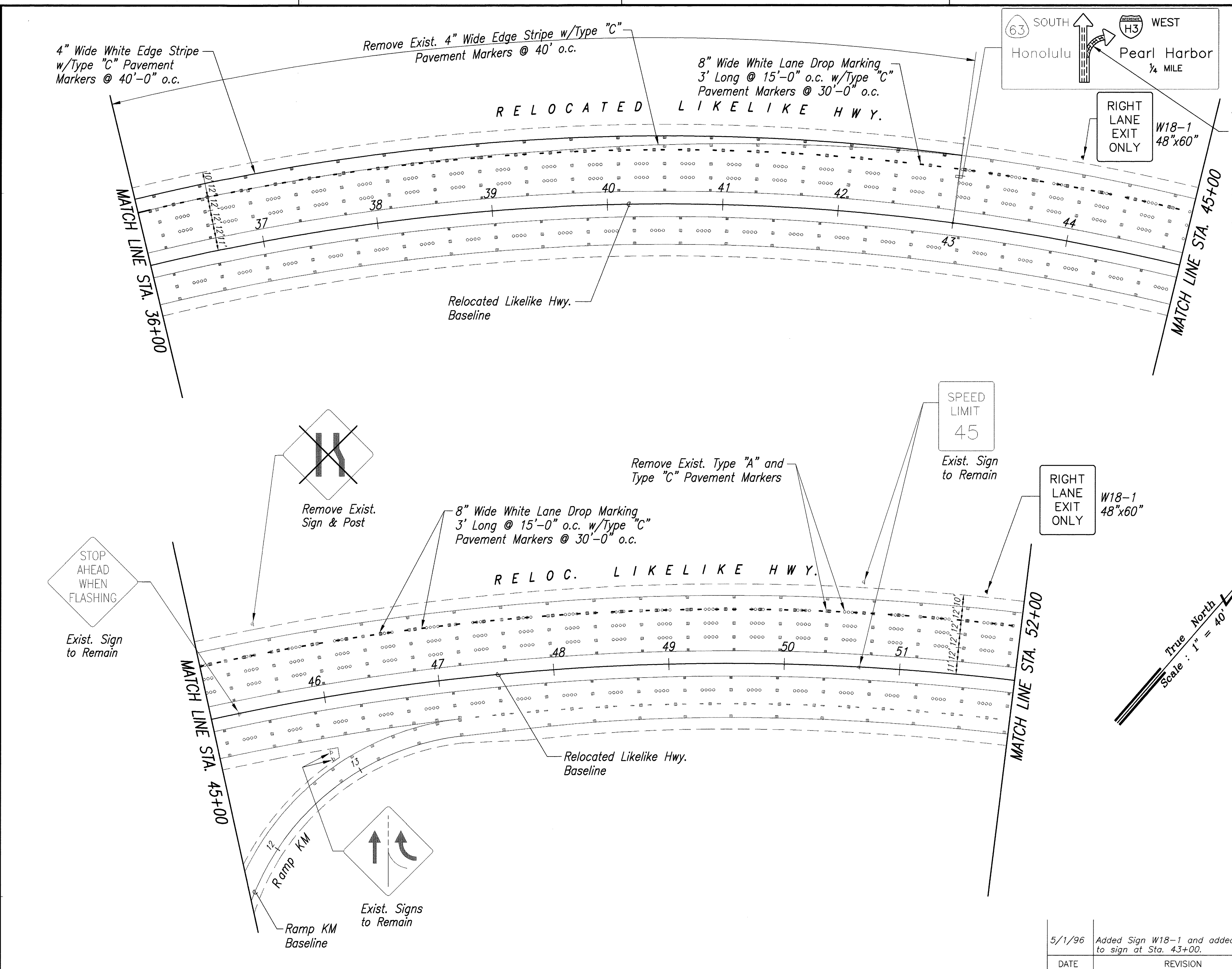
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(75) UNIT 1

SCALE: AS NOTED DATE: JAN., 1996

SHEET No. SP29 OF 48 SHEETS

5/1/96	Added Sign W18-1 and added callout to sign at Sta. 43+00.
DATE	REVISION

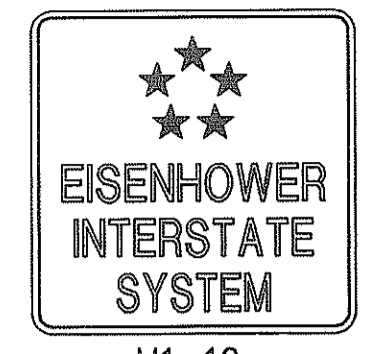
ADD. 171



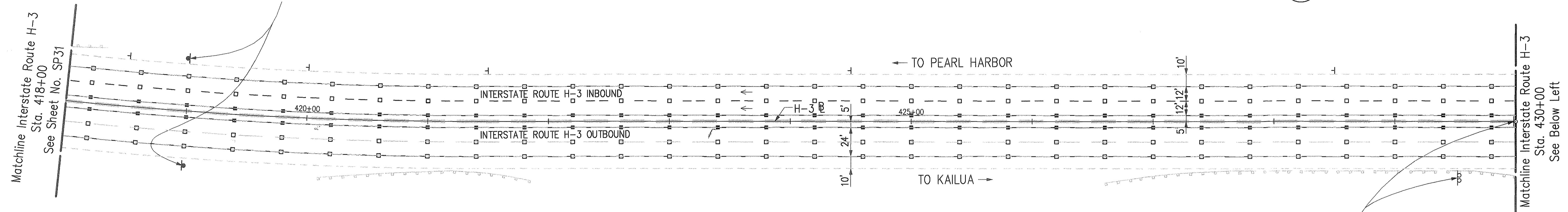
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
ORIGINAL PLAN	No.
NOTE BOOK	

82-56.6 (1-5)-95-1-1000-2015 P.M. CORRE. P. 1-40 02/01/96 by

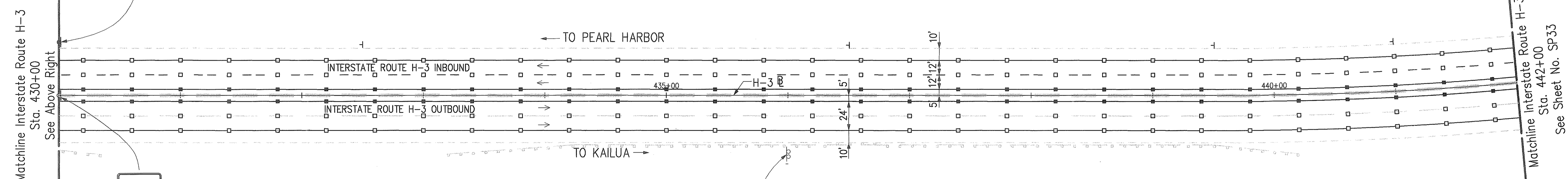
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	174	405



M1-10



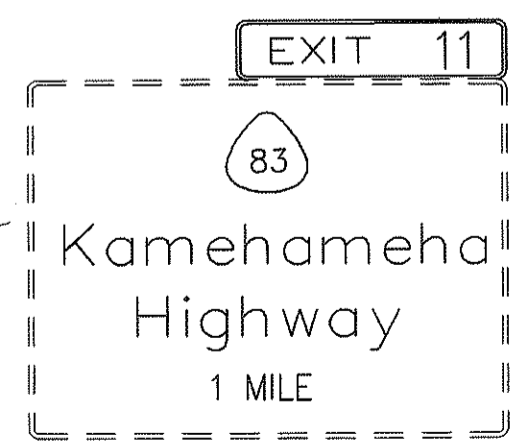
R2-1(55)-A



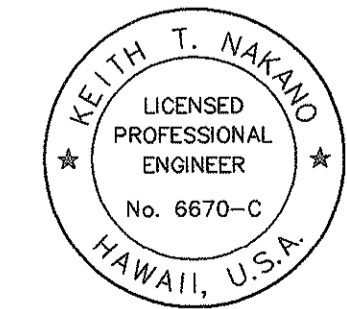
R2-1(55)-A
Mount on exist. sign post.

NOTES:

- Existing Edge Striping between H-3 Outbound Stations 405+00 and 488+50 shall be removed.
- Existing Type CL and HL Markers between H-3 Outbound Stations 405+00 and 490+20 shall be removed and replaced with Type C and H Markers as shown on plans.
- All missing Type A Markers between H-3 Outbound Stations 405+00 and 488+50 shall be replaced (Approx. 30 each). Contractor to verify exact number in field. Payment will be made under Type A Pavement Markers.



H-3 OB Sta. 436+00±
Remove exist. Exit Number Panel.
Install Exit Number Panel to existing expressway sign.



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Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
WINDWARD HIGHWAY

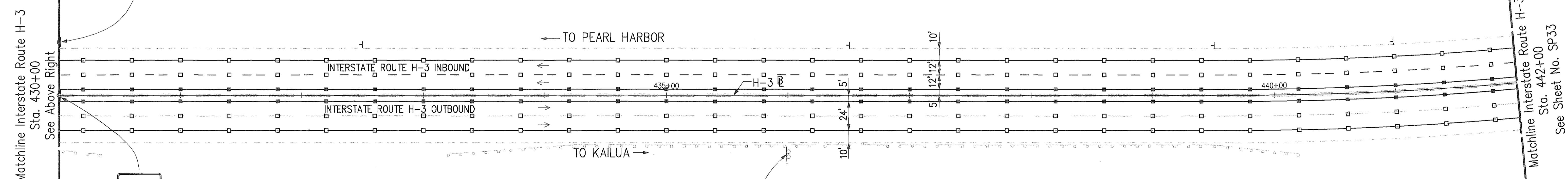
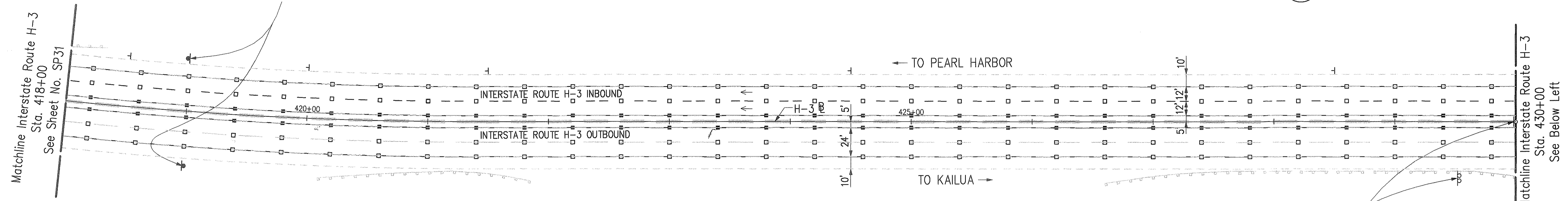
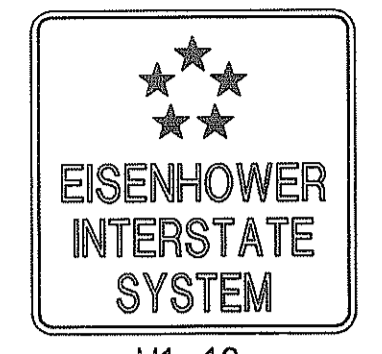
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. SP32 OF 48 SHEETS

ORIGINAL PLAN	DATE
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

CD by J. Minna, 55-23

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	174	405



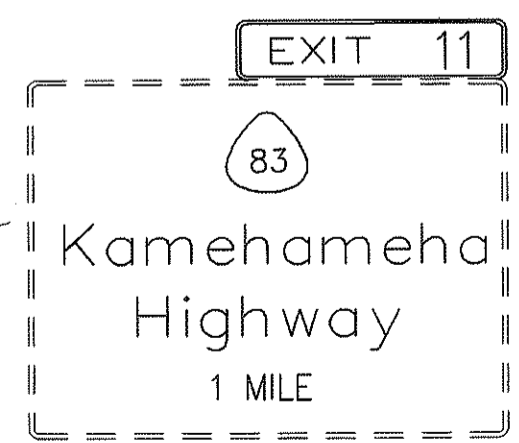
R2-1(55)-A



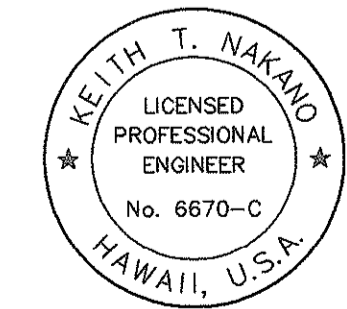
R2-1(55)-A
Mount on exist. sign post.

NOTES:

- Existing Edge Striping between H-3 Outbound Stations 405+00 and 488+50 shall be removed.
- Existing Type CL and HL Markers between H-3 Outbound Stations 405+00 and 490+20 shall be removed and replaced with Type C and H Markers as shown on plans.
- All missing Type A Markers between H-3 Outbound Stations 405+00 and 488+50 shall be replaced (Approx. 30 each). Contractor to verify exact number in field. Payment will be made under Type A Pavement Markers.



H-3 OB Sta. 436+00±
Remove exist. Exit Number Panel.
Install Exit Number Panel to existing expressway sign.



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Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
WINDWARD HIGHWAY

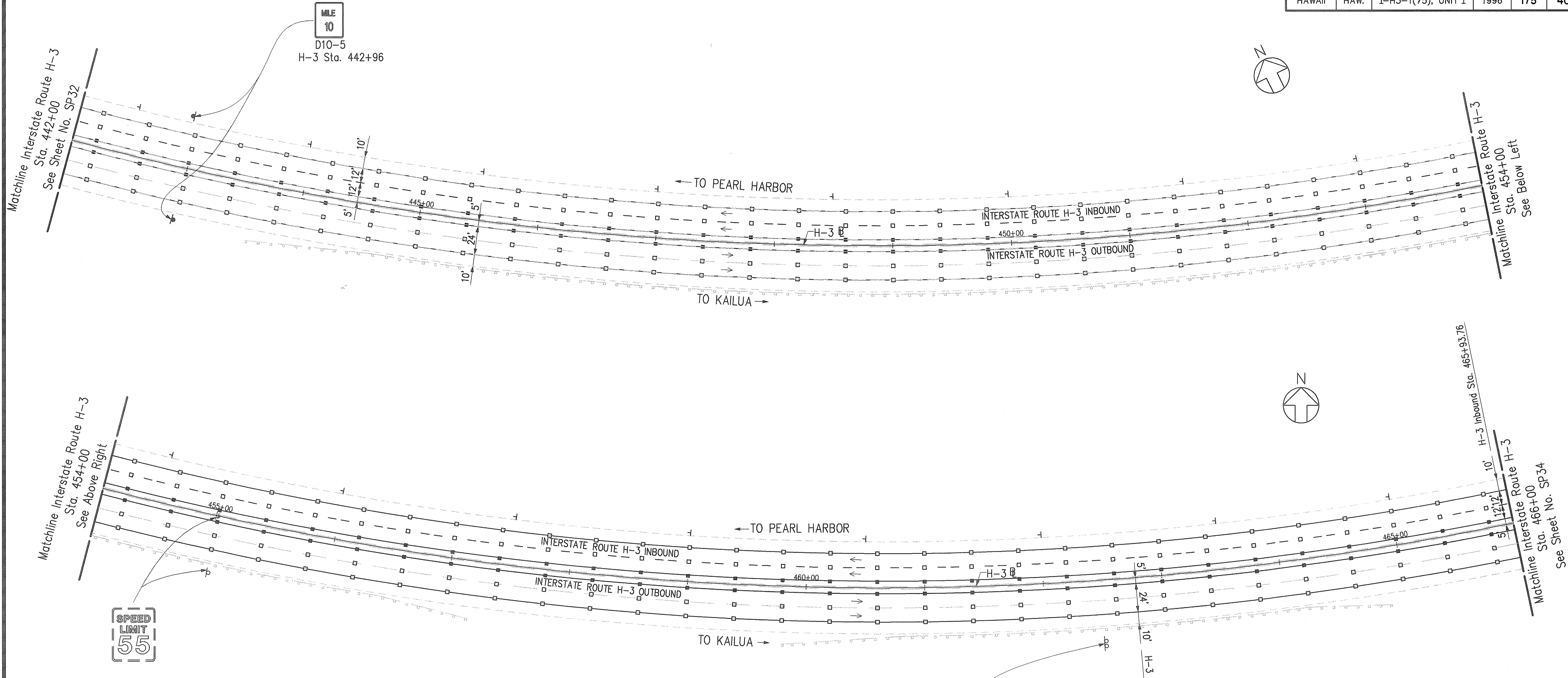
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. SP32 OF 48 SHEETS

ORIGINAL PLAN	DATE
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

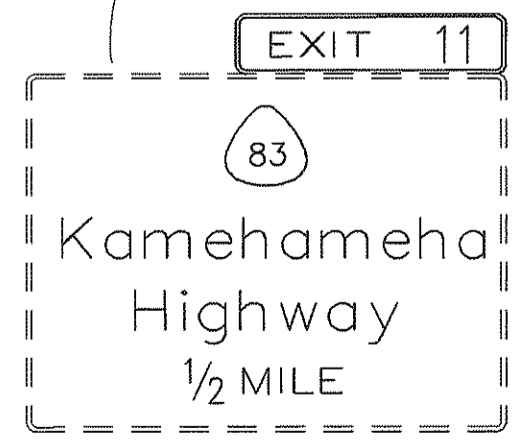
CD by J. Minna, 55-23

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	175	405

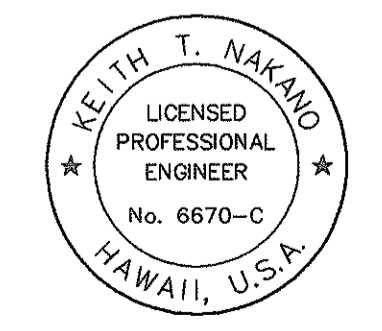


NOTES:

- Existing Edge Striping between H-3 Outbound Stations 405+00 and 488+50 shall be removed.
- Existing Type CL and HL Markers between H-3 Outbound Stations 405+00 and 490+20 shall be removed and replaced with Type C and H Markers as shown on plans.
- All missing Type A Markers between H-3 Outbound Stations 405+00 and 488+50 shall be replaced (Approx. 30 each). Contractor to verify exact number in field. Payment will be made under Type A Pavement Markers.



H-3 OB Sta. 462+50±
Remove exist. Exit Number Panel.
Install Exit Number Panel to existing expressway sign.



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Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
WINDWARD HIGHWAY

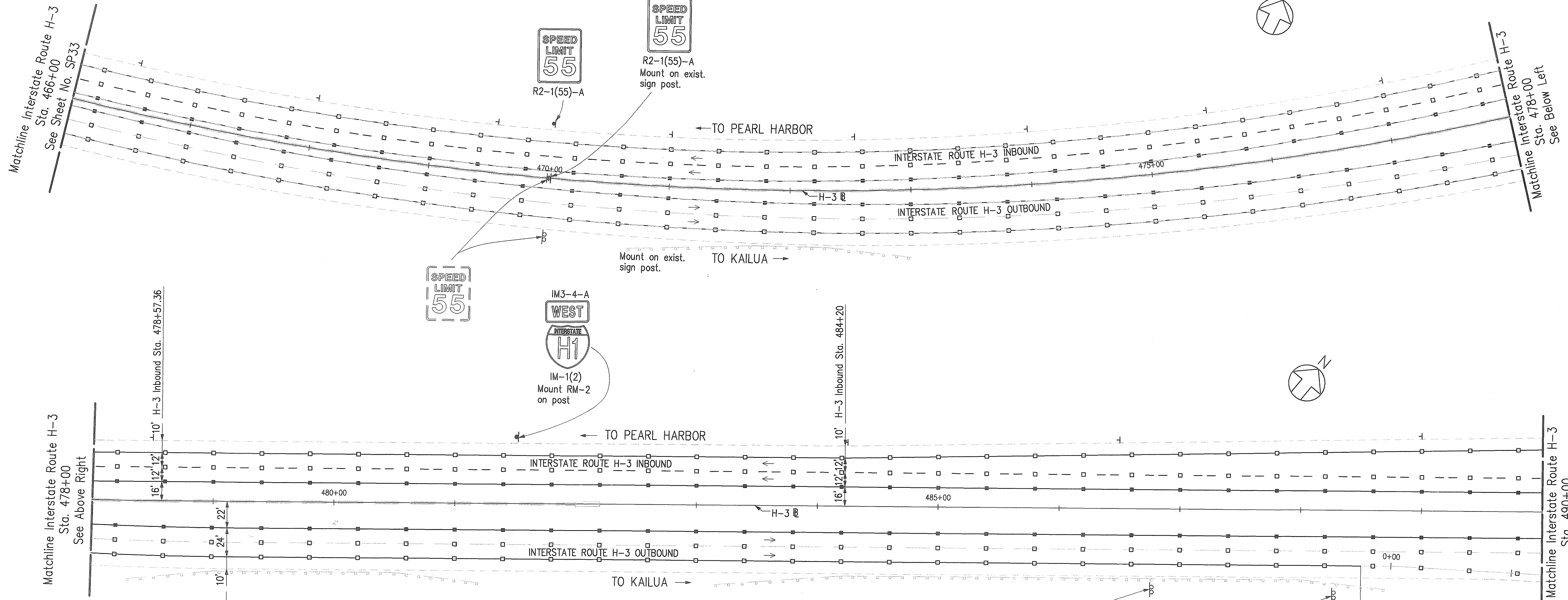
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. SP33 OF 48 SHEETS

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

CAD by J. Minors, 55-52

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	176	405



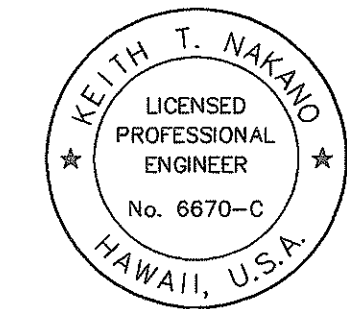
NOTES:

- Existing Edge Striping between H-3 Outbound Stations 405+00 and 488+50 shall be removed.
- Existing Type CL and HL Markers between H-3 Outbound Stations 405+00 and 490+20 shall be removed and replaced with Type C and H Markers as shown on plans.
- All missing Type A Markers between H-3 Outbound Stations 405+00 and 488+50 shall be replaced (Approx. 30 each). Contractor to verify exact number in field. Payment will be made under Type A Pavement Markers.

Kaneohe ↗
 E-5
 H-3 OB Sta. 486+75
 See Detail on Sht. SP45

EXIT 11
 83
Kamehameha Highway ↘

H-3 OB Sta. 488+25±
 Remove exist. Exit Number Panel.
 Install Exit Number Panel to existing expressway sign.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Keith T. Nakano

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
WINDWARD HIGHWAY

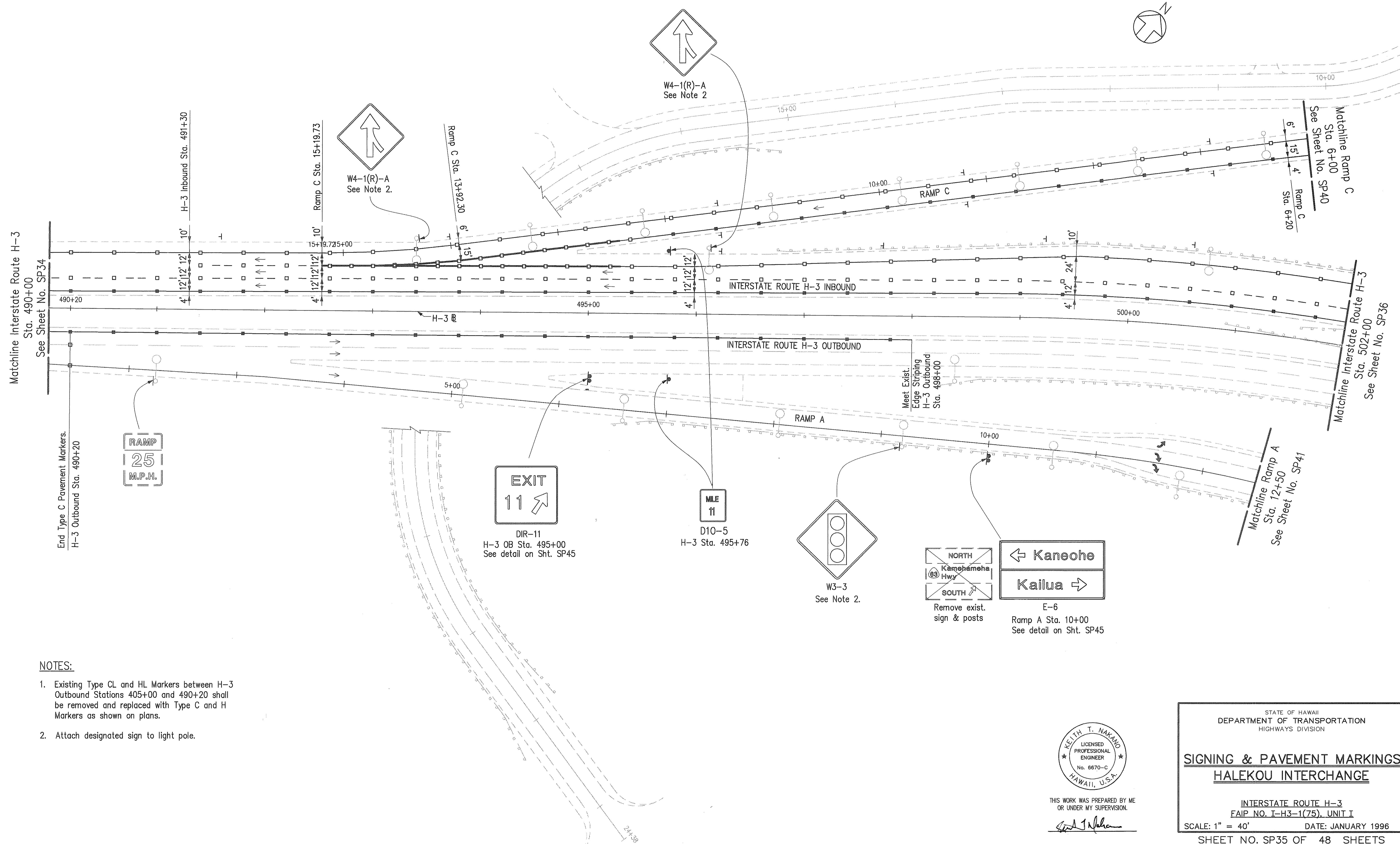
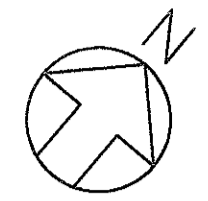
INTERSTATE ROUTE H-3
 FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996
 SHEET NO. SP34 OF 48 SHEETS

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

CAD by J. Minors, 85-52

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	177	405

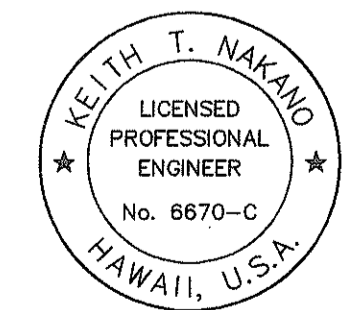


- NOTES:**
- Existing Type CL and HL Markers between H-3 Outbound Stations 405+00 and 490+20 shall be removed and replaced with Type C and H Markers as shown on plans.
 - Attach designated sign to light pole.

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

CAD by J. Harrop 5/5/96

Last Saved: J:\H3RF\U1\SIGN\SS-H3-47.dwg 03/11/96 at 13:51



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Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

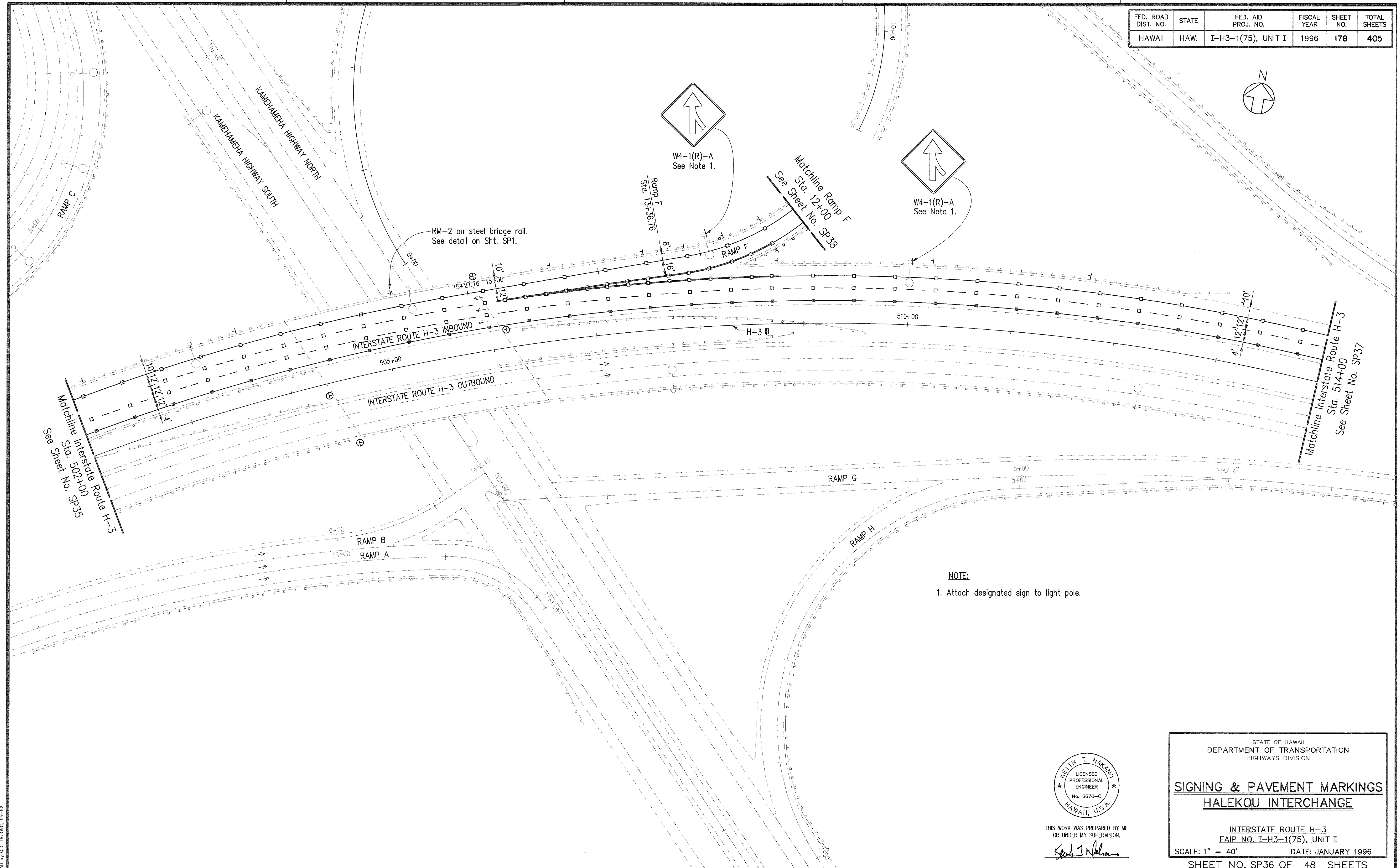
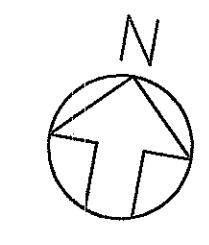
SIGNING & PAVEMENT MARKINGS
HALEKOU INTERCHANGE

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. SP35 OF 48 SHEETS

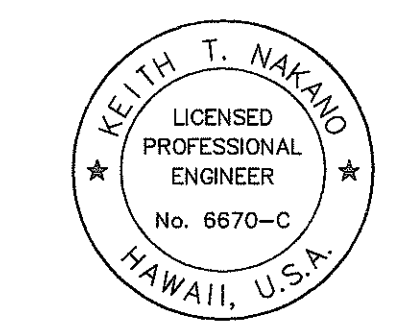
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	178	405



NOTE:
1. Attach designated sign to light pole.

ORIGINAL PLAN	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

CAD by G.D. TRUONG, 55-92



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Keith T. Nakano

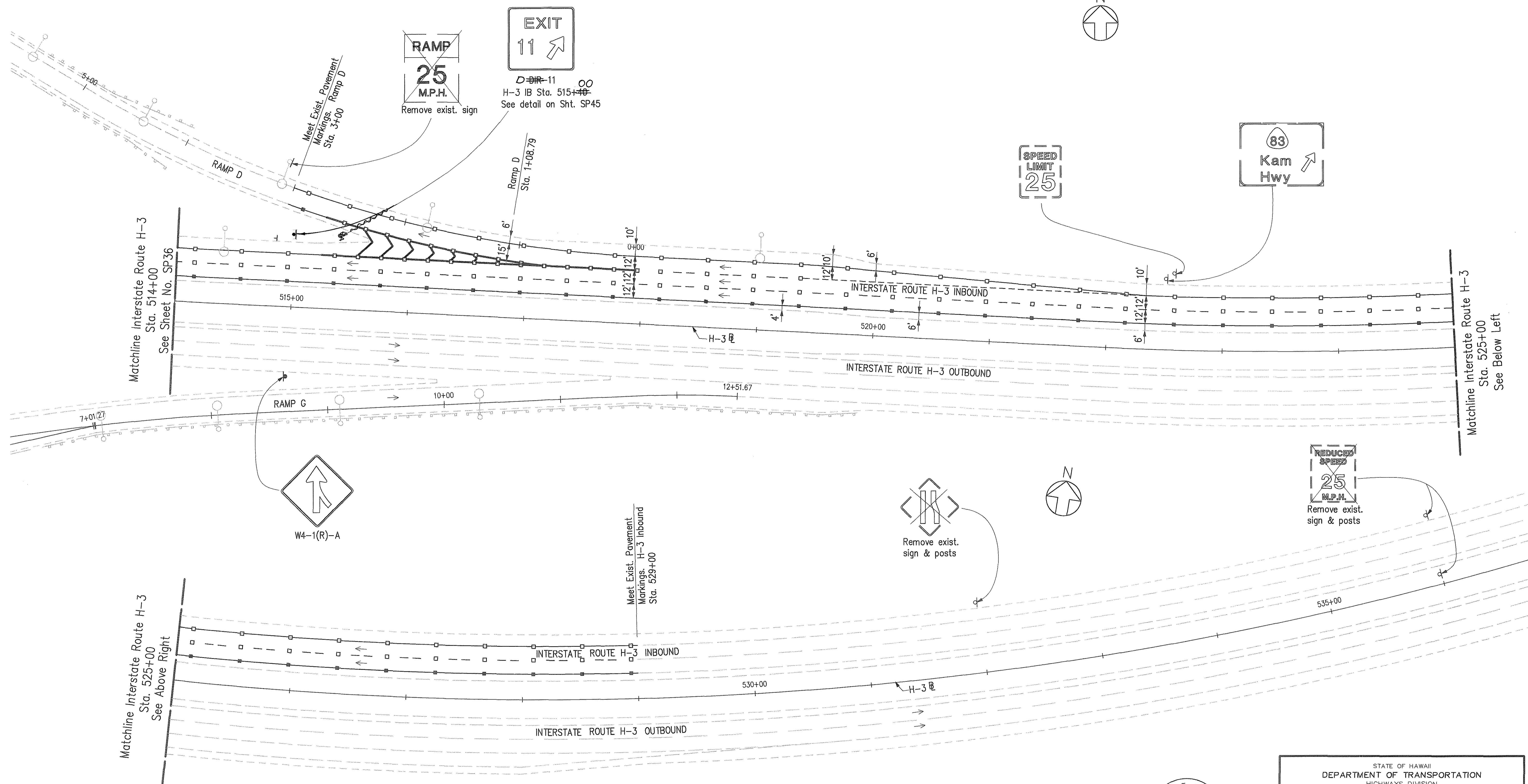
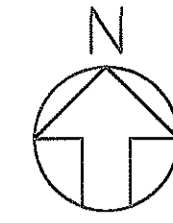
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
HALEKOU INTERCHANGE

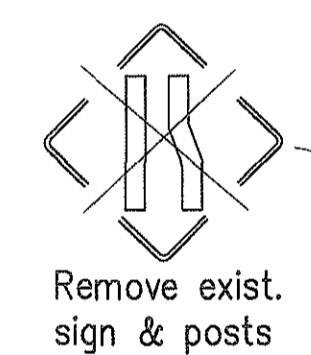
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. SP36 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	179	405



W4-1(R)-A



Remove exist. sign & posts



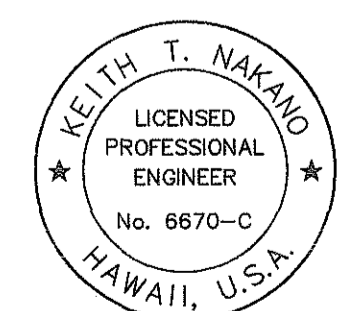
Remove exist. sign & posts

NOTES:

1. Remove Exist. 4" White and Yellow Edge Stripes from H-3 Inbound Sta. 515+00± to 529+00±.

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

CAD by J. Mima, 95-52



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

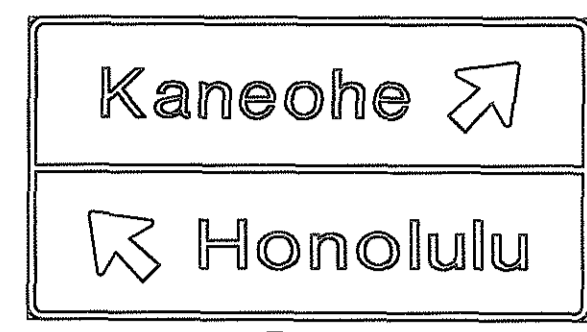
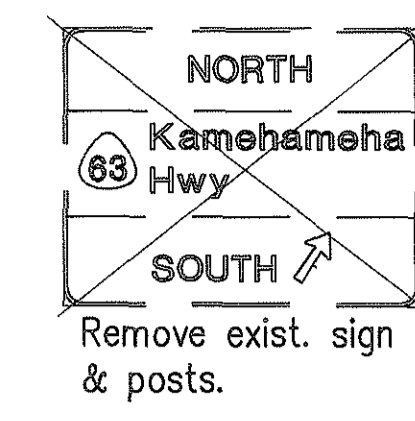
SIGNING & PAVEMENT MARKINGS
HALEKOU INTERCHANGE

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

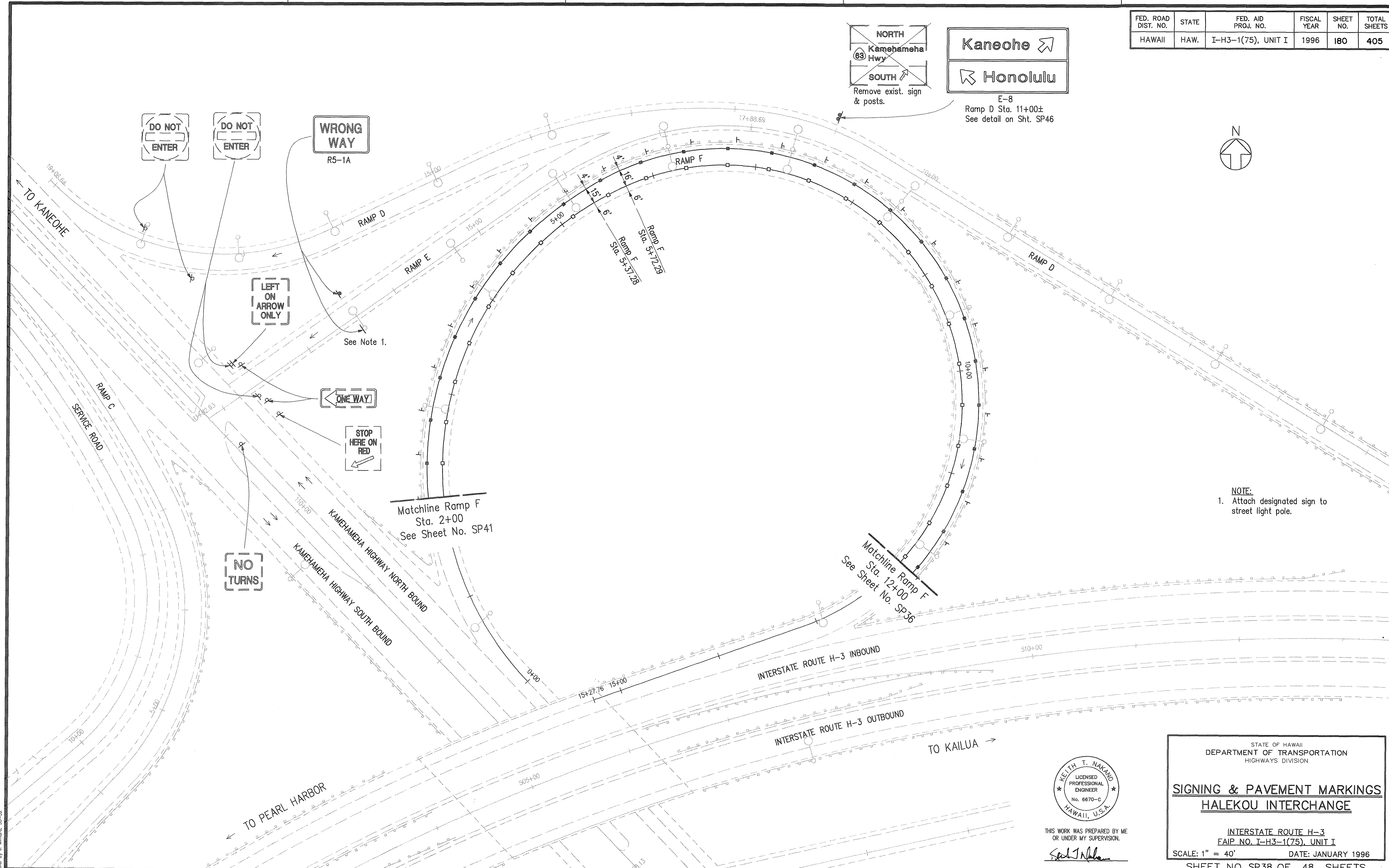
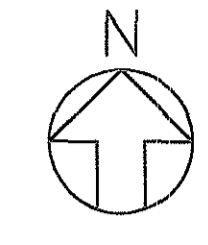
SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. SP37 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	180	405



E-8
Ramp D Sta. 11+00±
See detail on Sht. SP46

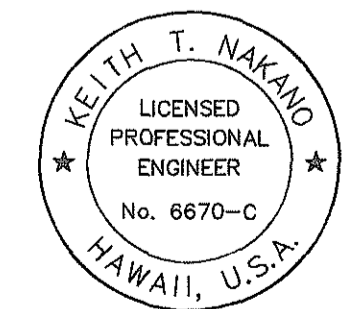


NOTE:
1. Attach designated sign to street light pole.

ORIGINAL PLAN	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

CAD by J. Mimura, 95-42

Last Saved: J:\H3RF\U1\SIGN\SS-F-P1.dwg 03/04/96 at 16:20



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

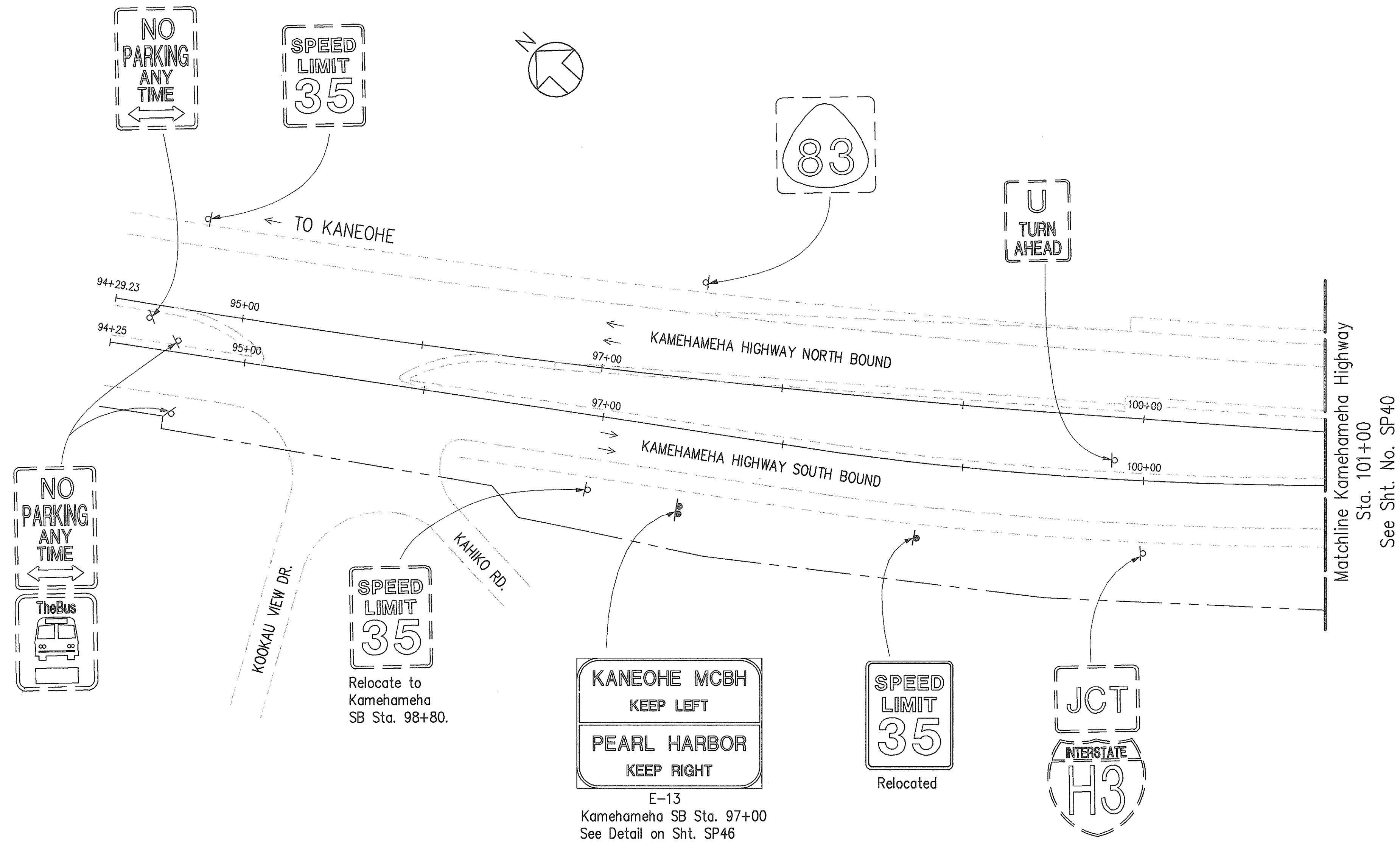
SIGNING & PAVEMENT MARKINGS
HALEKOU INTERCHANGE

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. SP38 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	181	405



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

CAD by J. Matus, 55-52

Last Saved: J:\H3RF\01\SIGN\SS-KH-P4.dwg 03/05/96 at 08:02



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

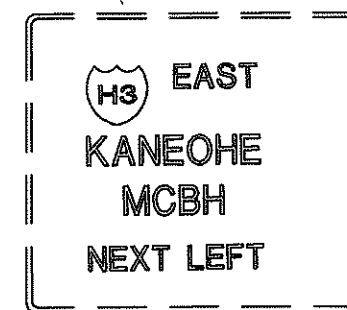
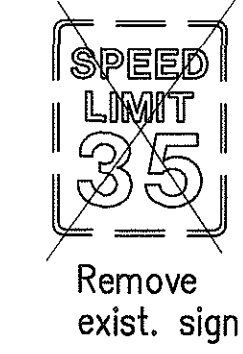
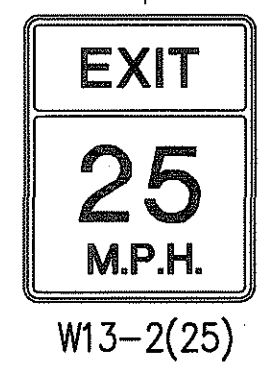
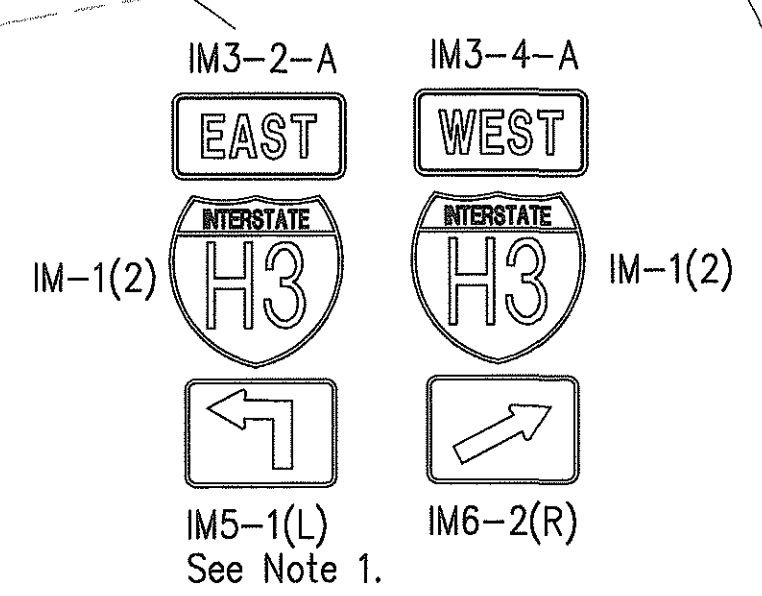
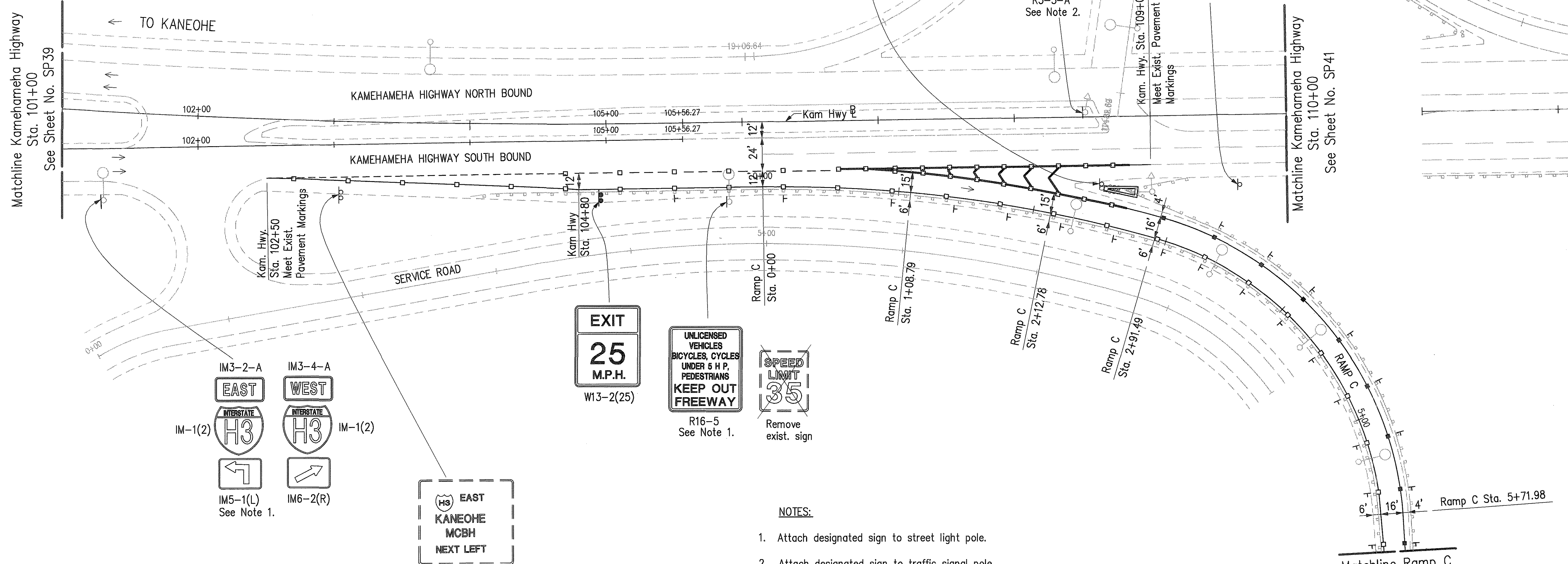
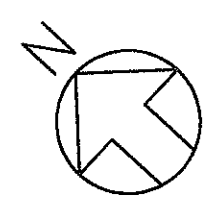
SIGNING & PAVEMENT MARKINGS
HALEKOU INTERCHANGE

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. SP39 OF 48 SHEETS

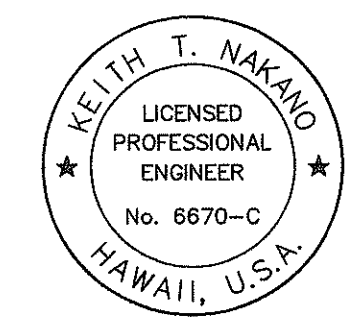
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	182	405



- NOTES:**
1. Attach designated sign to street light pole.
 2. Attach designated sign to traffic signal pole.

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

CAD by J. Minura, SS-52



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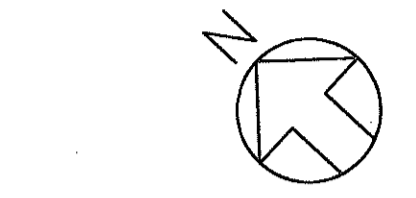
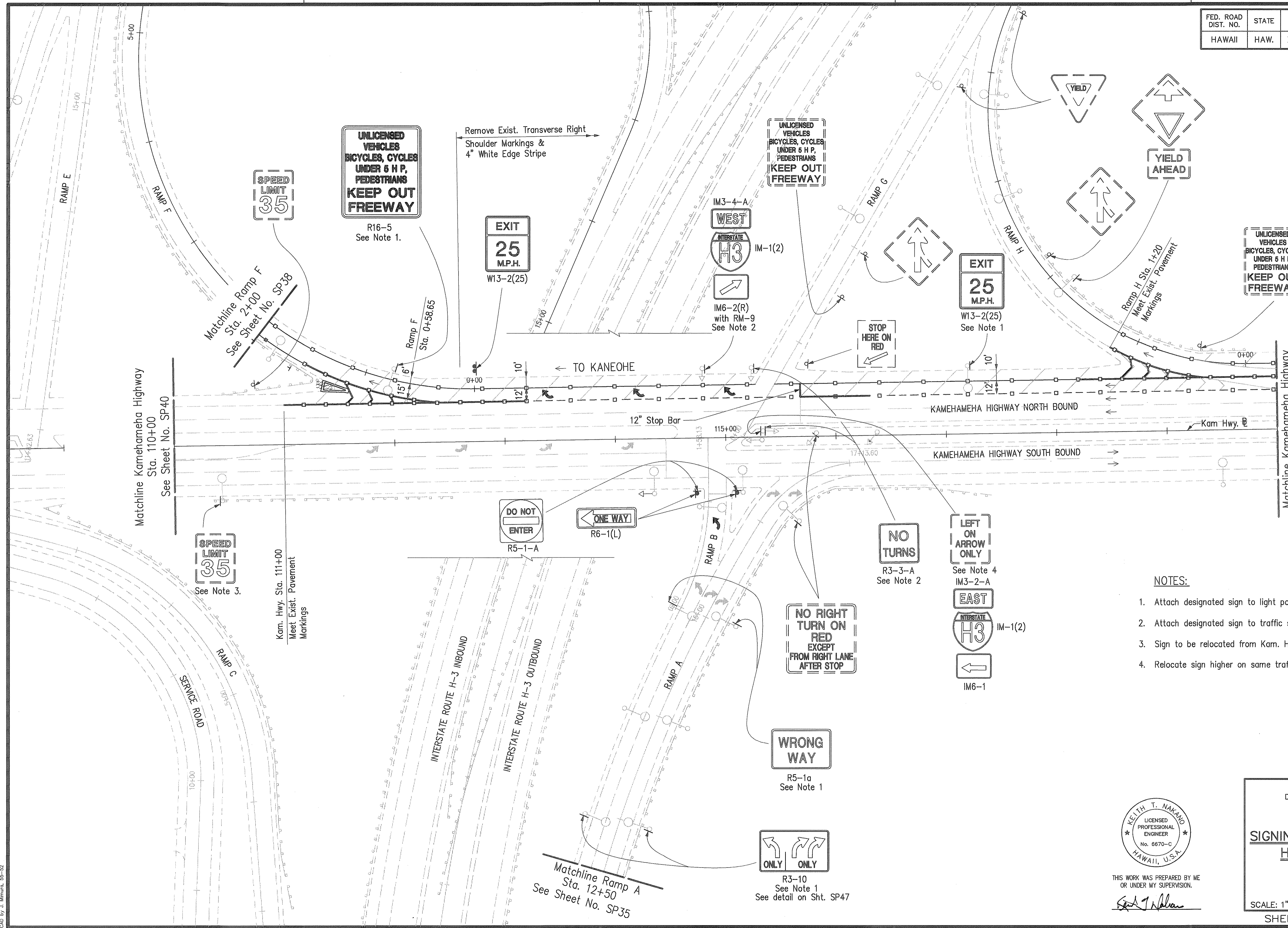
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
HALEKOU INTERCHANGE

INTERSTATE ROUTE H-3
 FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996
 SHEET NO. SP40 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	183	405

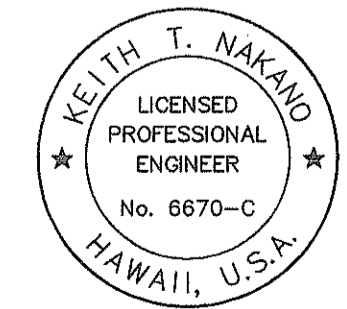


- NOTES:**
1. Attach designated sign to light pole.
 2. Attach designated sign to traffic signal pole.
 3. Sign to be relocated from Kam. Hwy. Sta. 105+90±, Rt.
 4. Relocate sign higher on same traffic signal pole.

SURVEY PLOTTED BY	DATE
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

CAD by J. Williams, 55-52

Last Saved: J:\H3RF\H1\SIGN\SS-KH-P2.dwg 03/12/96 at 08:29



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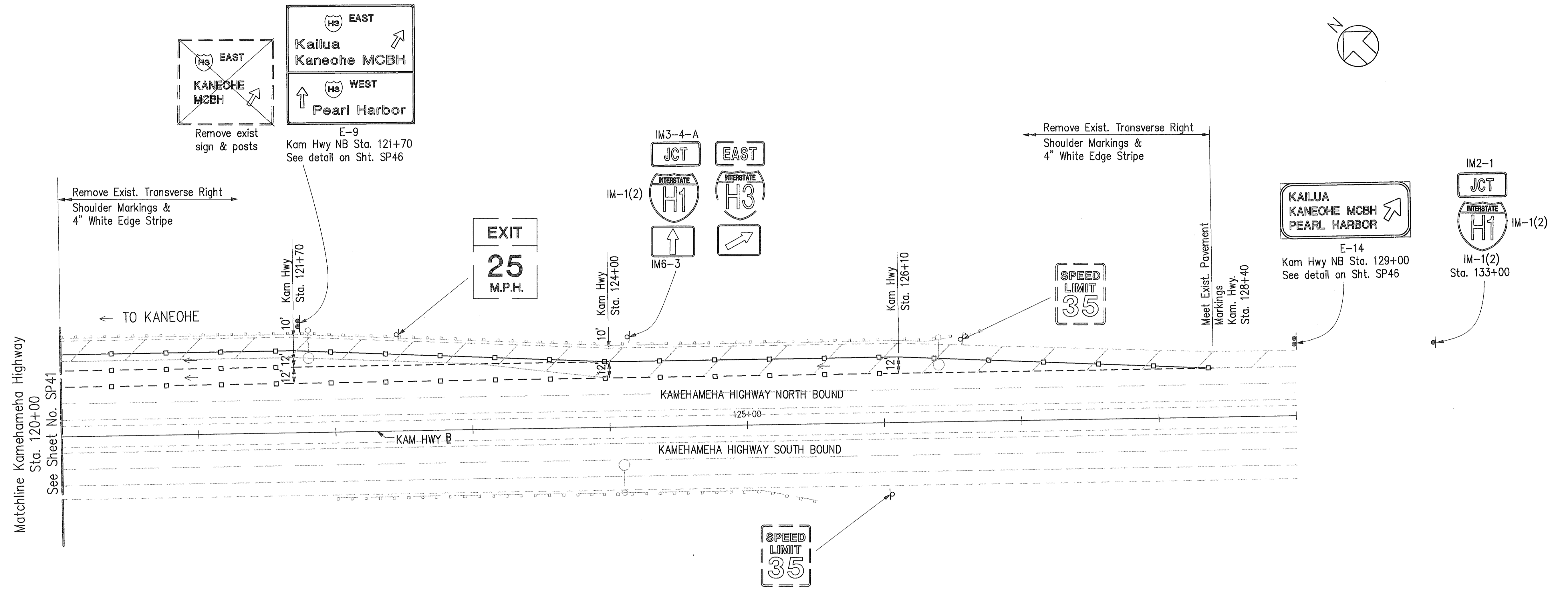
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
HALEKOU INTERCHANGE

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. SP41 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	184	405



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

CAD by A.D. TRUONG, SS-52

KEITH T. NAKANO
 LICENSED PROFESSIONAL ENGINEER
 No. 6670-C
 HAWAII, U.S.A.

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[Signature]

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

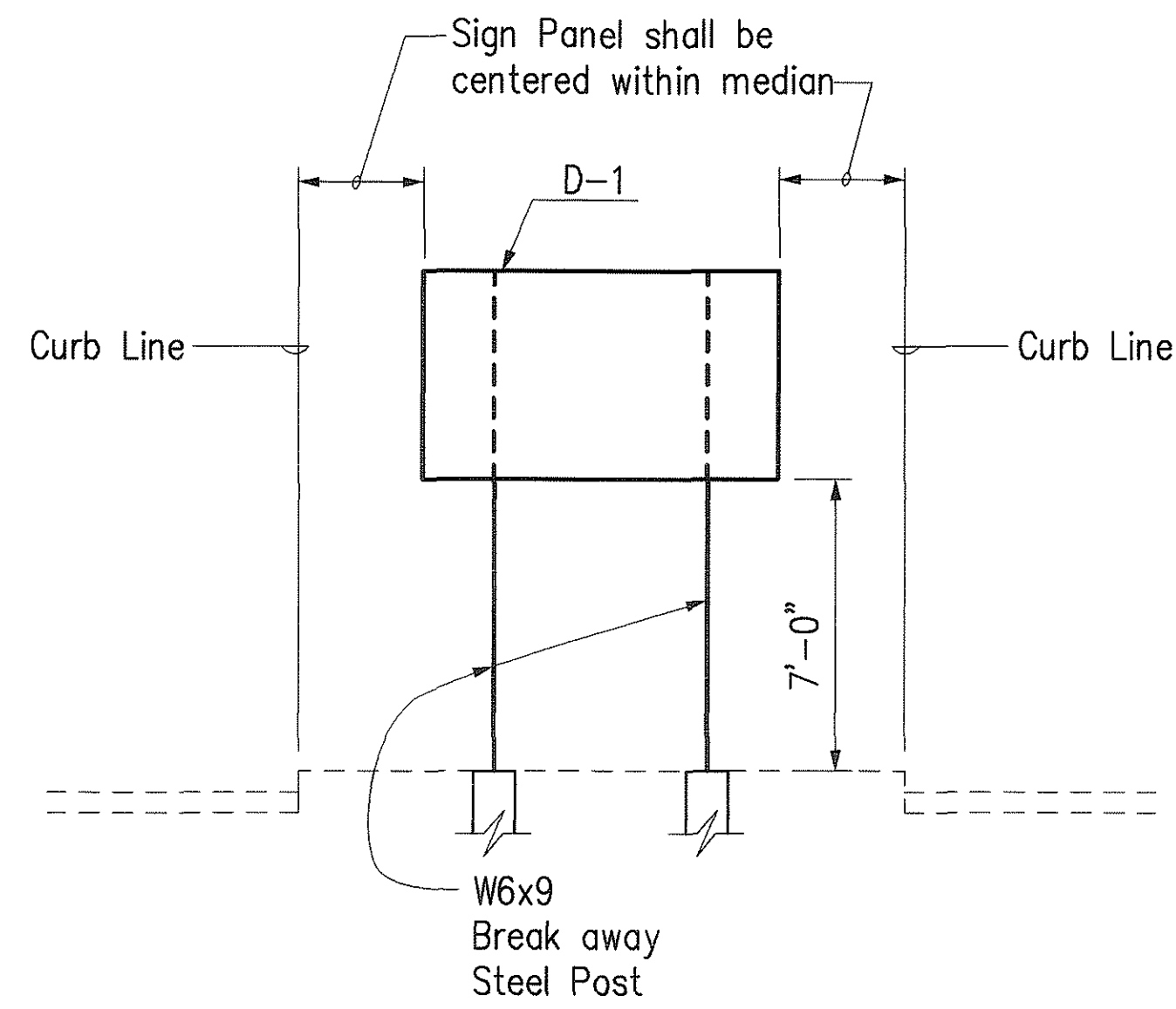
SIGNING & PAVEMENT MARKINGS
HALEKOU INTERCHANGE

INTERSTATE ROUTE H-3
 FAIP NO. I-H3-1(75), UNIT I

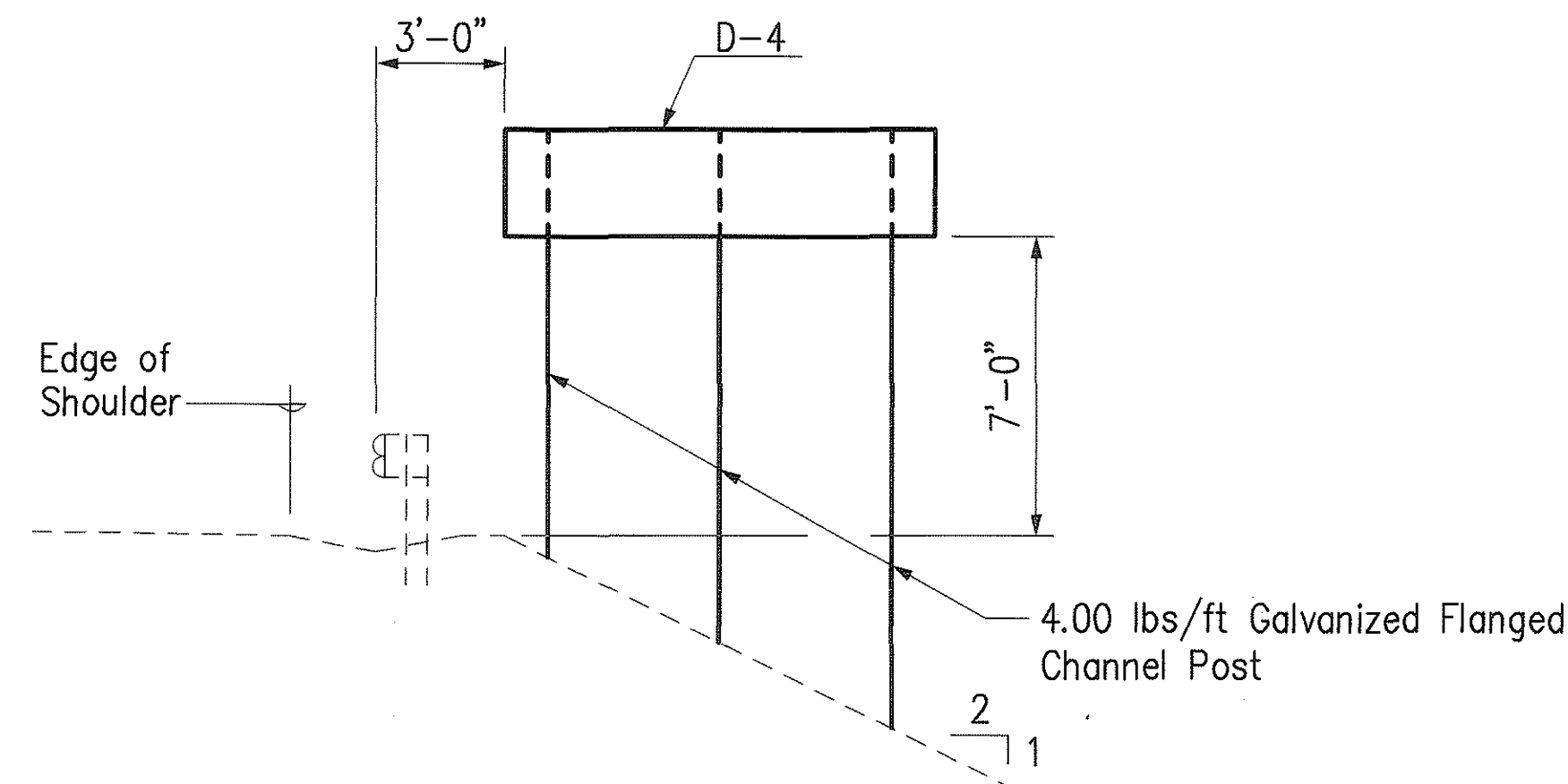
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SHEET NO. SP42 OF 48 SHEETS

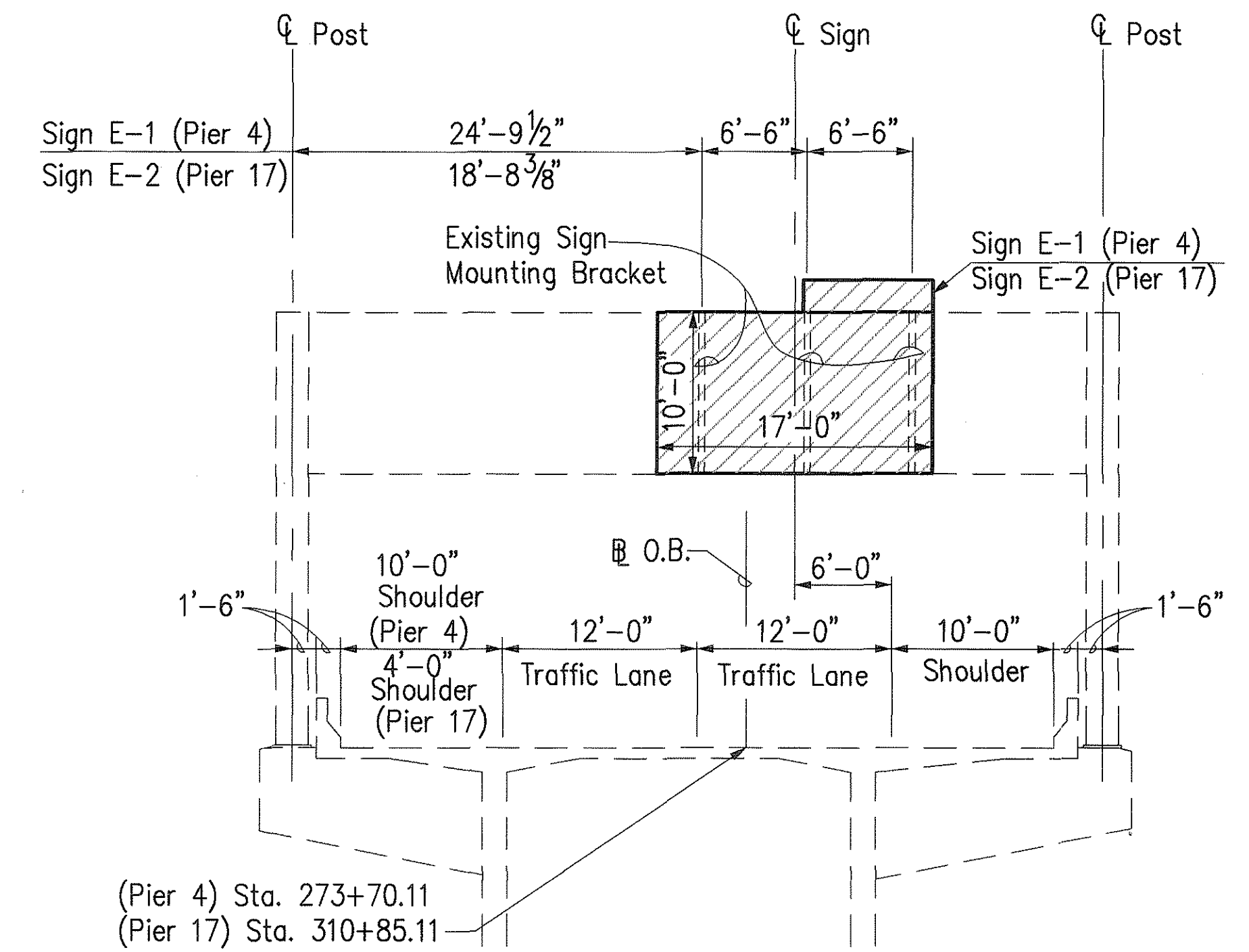
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	185	405



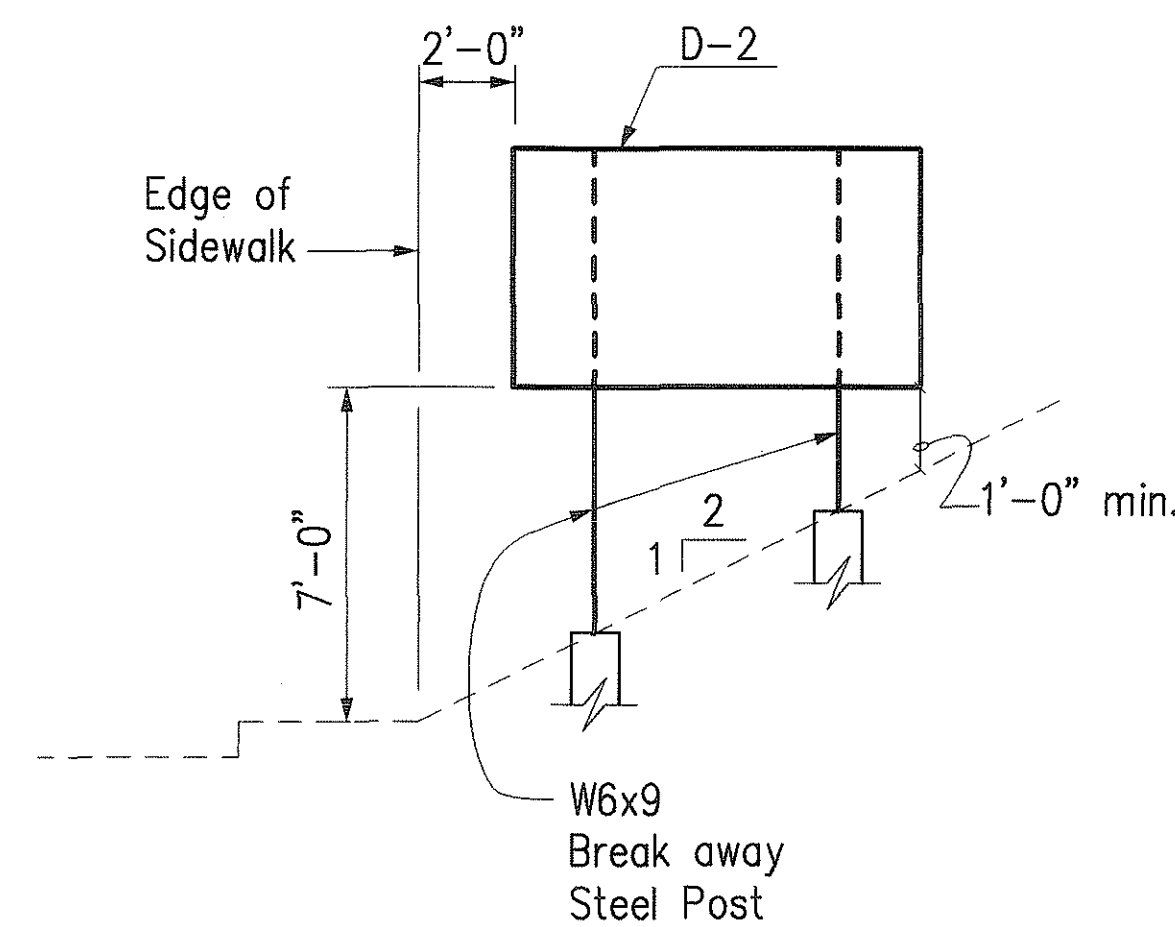
SIGN LAYOUT D-1
Scale: 1/4" = 1'-0"



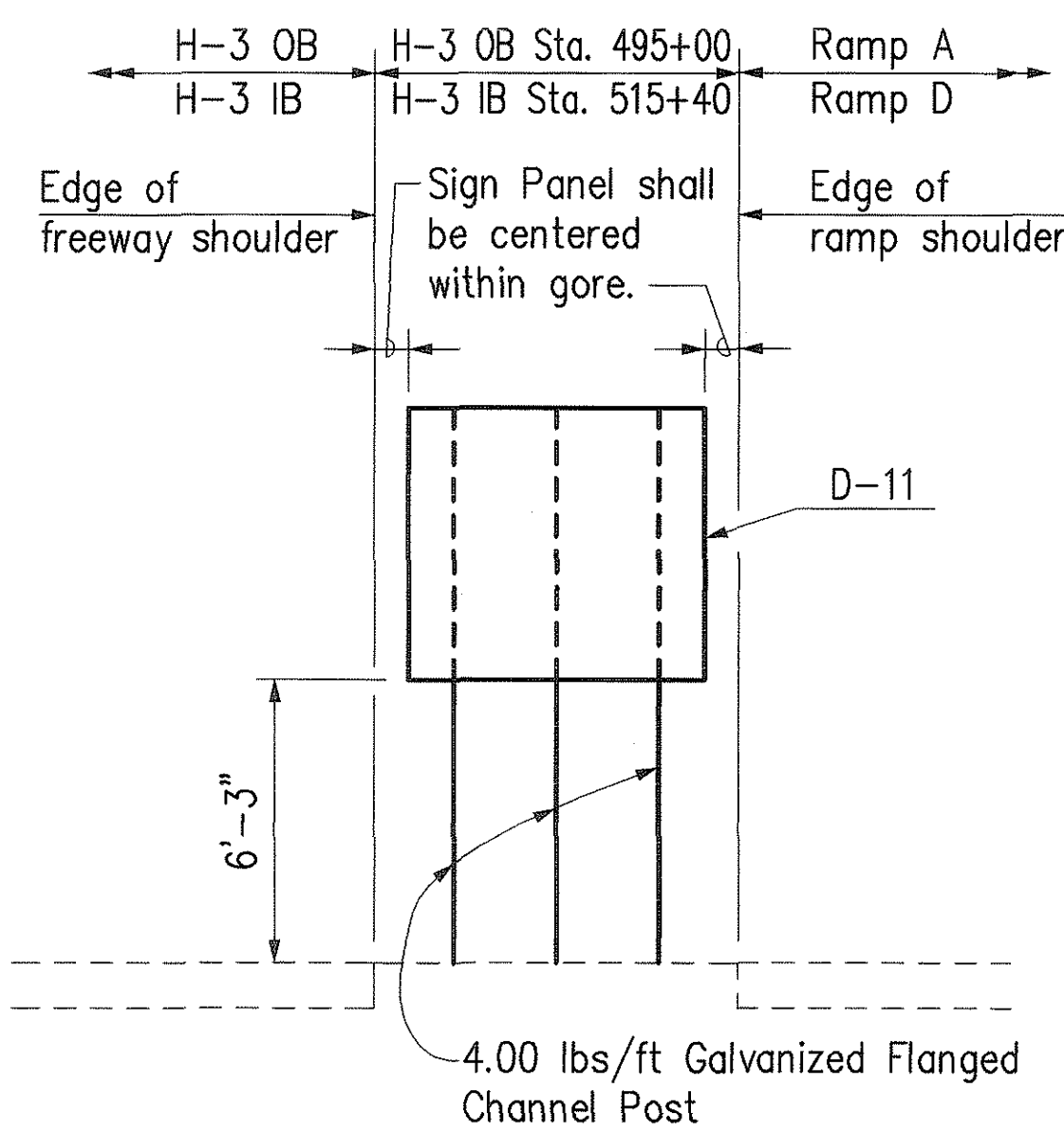
SIGN LAYOUT D-4
Scale: 1/4" = 1'-0"



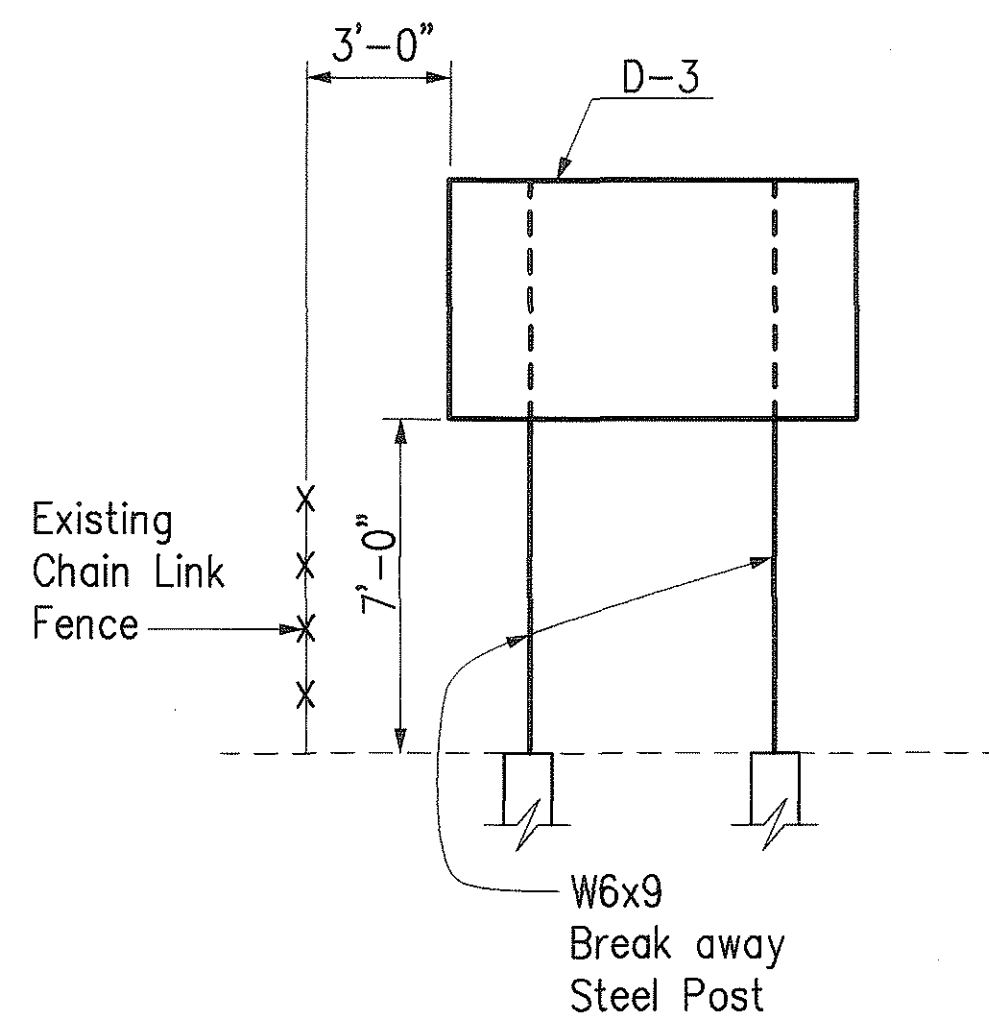
SIGN LAYOUT E-1 @ H-3 O.B. STA. 273+70.11 (PIER 4)
SIGN LAYOUT E-2 @ H-3 O.B. STA. 310+85.11 (PIER 17)
Scale: 1/8" = 1'-0"



SIGN LAYOUT D-2
Scale: 1/4" = 1'-0"



SIGN LAYOUT D-11
Scale: 1/4" = 1'-0"



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

NOTES FOR 'D-1', 'D-2' & 'D-3' SIGNS:

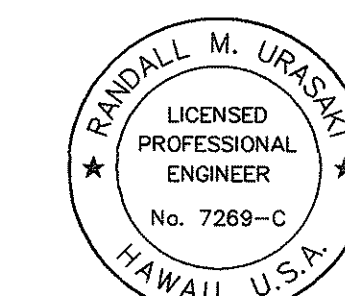
1. Remove and dispose existing sign, posts, and footings.
2. See Standard Plan TE-24 for information not shown.

NOTES FOR 'D-4' & 'D-11' SIGNS:

1. See Standard Plan TE-02 for mounting details and dimensions not shown.
2. Sign Layout shown in direction of travel.

NOTES FOR SIGNS E-1 & E-2:

1. The Contractor shall verify the location of the existing Sign Mounting Brackets.
2. The Contractor shall furnish aluminum post clips, bolts, nuts and washers required for installation of sign. See Standard Plan TE-27. Payment for clips, bolts, etc. shall be incidental to various contract items. For sign panel mounting details, see Standard Plan TE-25.
3. Contact surfaces between structural steel and aluminum shall be separated with min. 1/16" thick neoprene gasket.



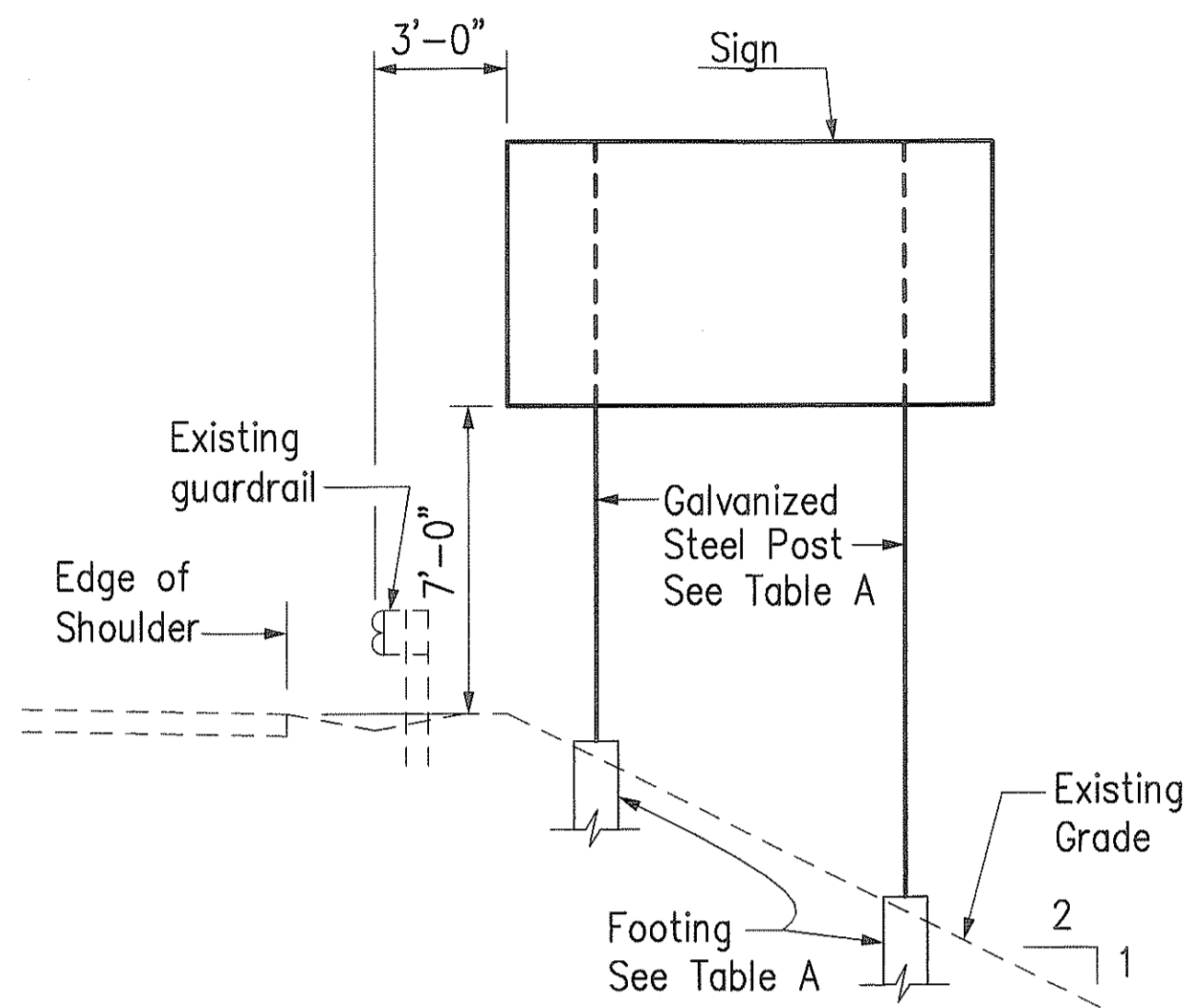
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Randall M. Urasaki

4/30/96	Renamed 'DIR' signs to 'D' designation. Revised Sign Layouts for 'D-1', 'D-2' & 'D-3' signs. Revised and added notes.
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
SIGNING & PAVEMENT MARKINGS	
DESTINATION SIGNS	
SIGN LAYOUTS	
INTERSTATE ROUTE H-3 FAIP NO. I-H3-1(75), UNIT I	
SCALE: AS SHOWN	DATE: APRIL 1996
SHEET NO. SP43 OF 48 SHEETS	

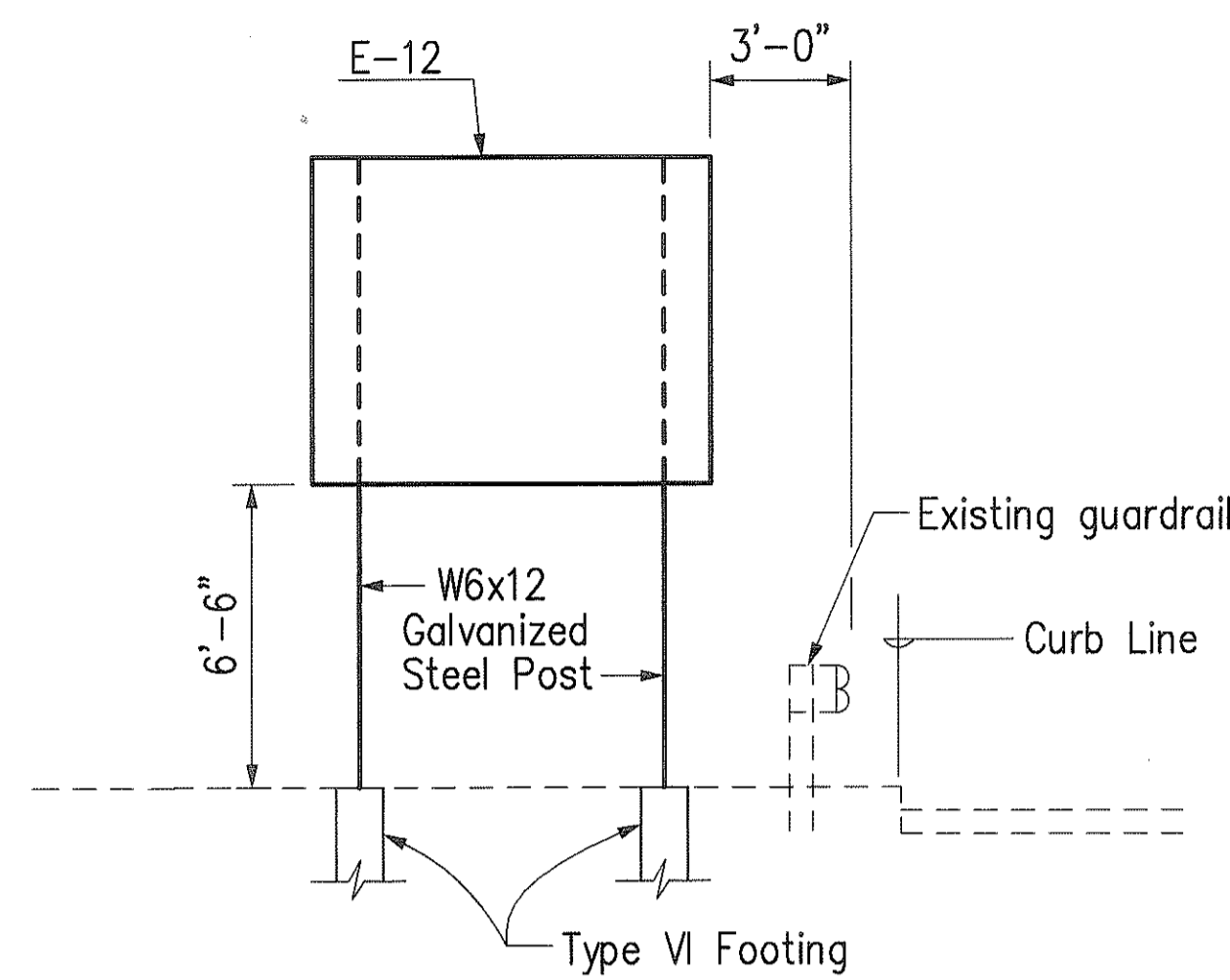
ORIGINAL SURVEY PLOTTED BY: DATE: _____
DRAWN BY: _____
TRACED BY: _____
NOTE BOOK DESIGNED BY: _____
QUANTITIES BY: _____
CHECKED BY: _____
No. _____

CAD by J. MUMFORD, 5/5-92



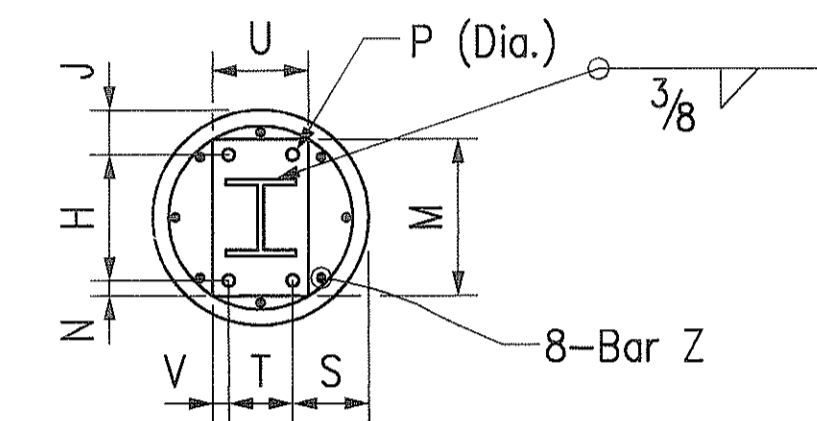
SIGN LAYOUT : E-3, E-4, E-5, E-6, E-9 & E-14
Scale: 1/4" = 1'-0"

TABLE A			
SIGN	SIGN SUPPORT	FOOTING	FOOTING DEPTH
E-3	W8x24	Type A	7'-3"
E-4	W6x16	Type B	7'-0"
E-5	W6x16	Type B	7'-0"
E-6	W8x24	Type A	9'-3"
E-9	W10x49	Type C	12'-9"
E-14	W6x16	Type B	7'-3"

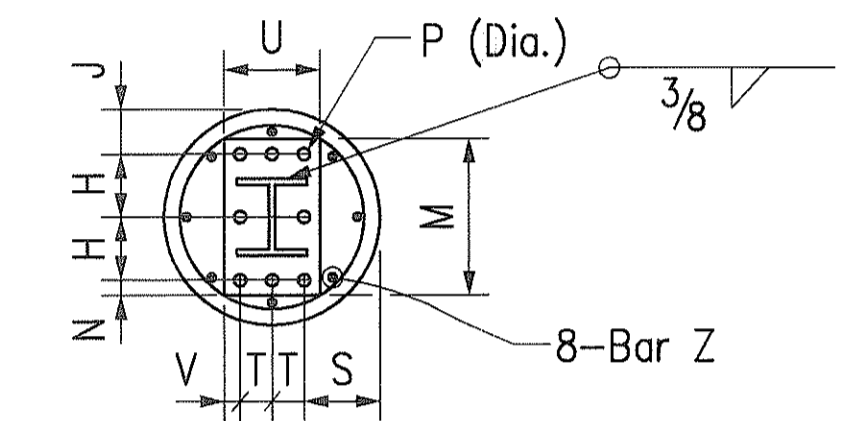


SIGN LAYOUT E-12
Scale: 1/4" = 1'-0"

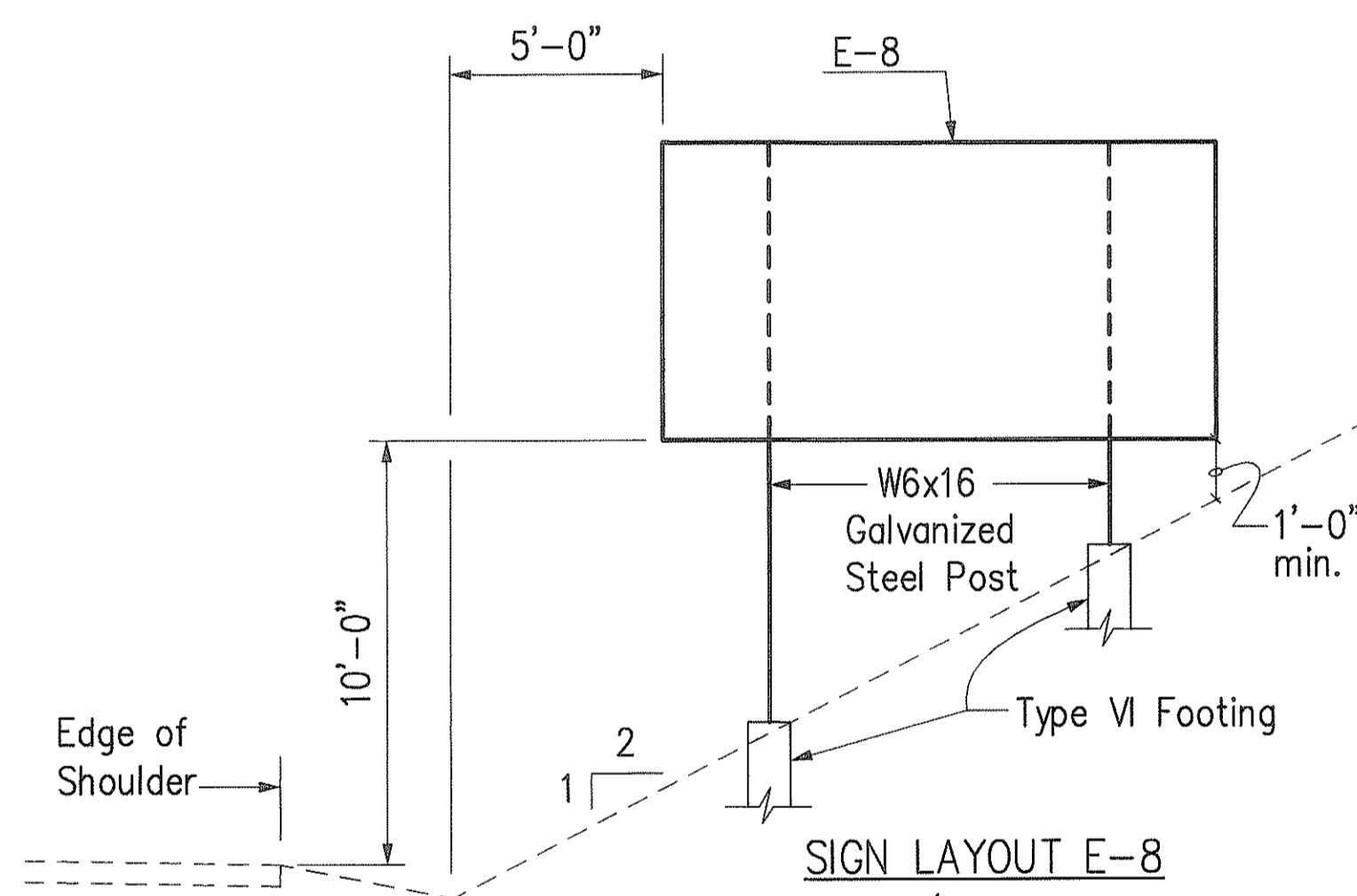
DATA TABLE FOR TYPES A, B & C FOOTINGS														
Type	H (in)	J (in)	K (in)	M (in)	N (in)	O (in)	P (in)	S (in)	T (in)	U (in)	V (in)	W (in)	Anchor Bolt Dia. (in)	Bar Z Size (in)
A	16 1/2	6 3/4	30	20	1 3/4	6	1 5/16	11 3/4	6 1/2	10	1 3/4	1 5/8	1 1/4	#8
B	14	5	24	17 1/2	1 3/4	6	1 3/16	9	6	10	2	1 1/4	1 1/8	#7
C	9	9	36	21 3/4	1 7/8	6	1 3/16	10	8	19 3/4	1 7/8	1 3/4	1 1/8	#7



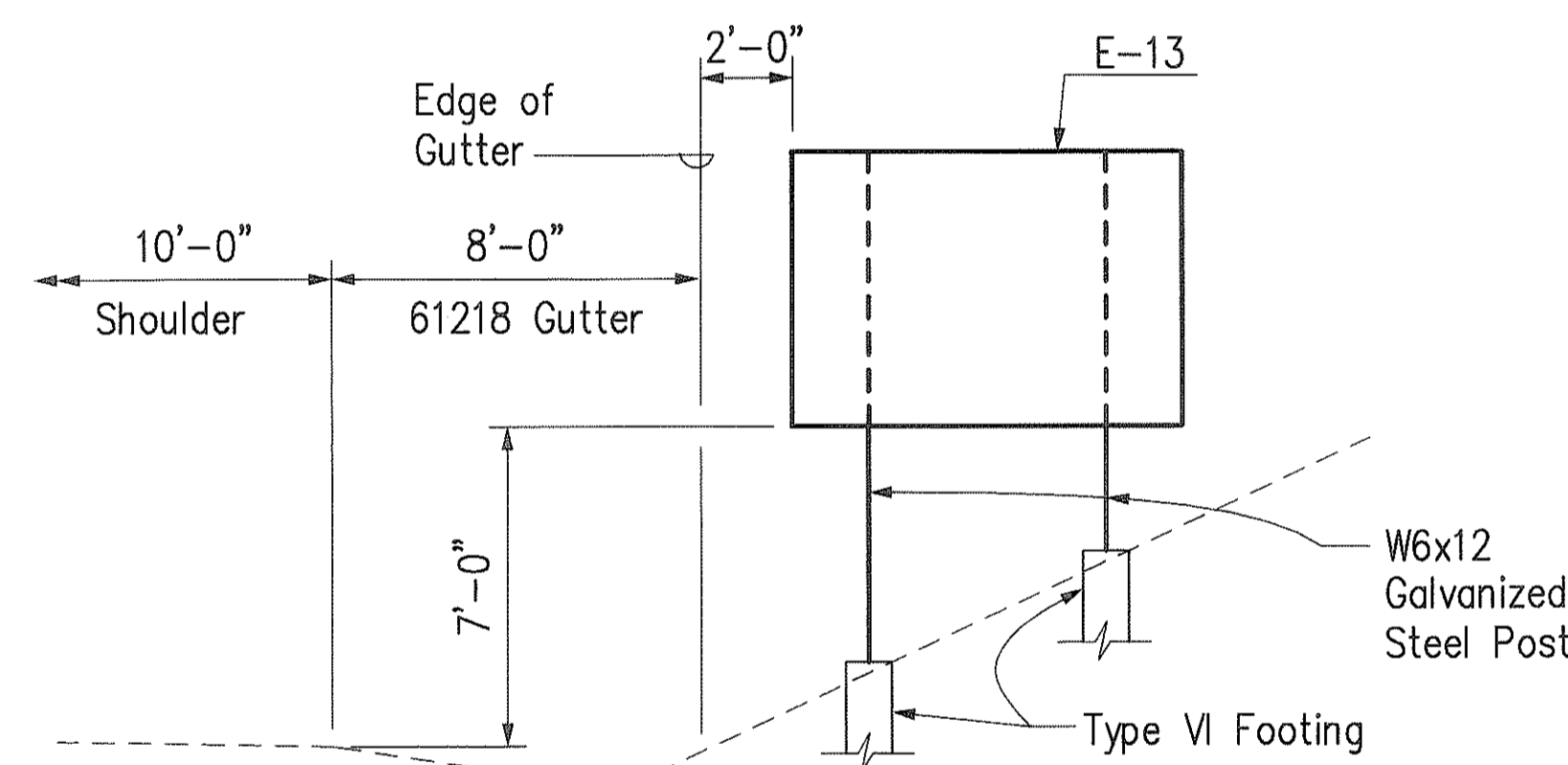
PLAN FOR TYPE A & B FOOTINGS



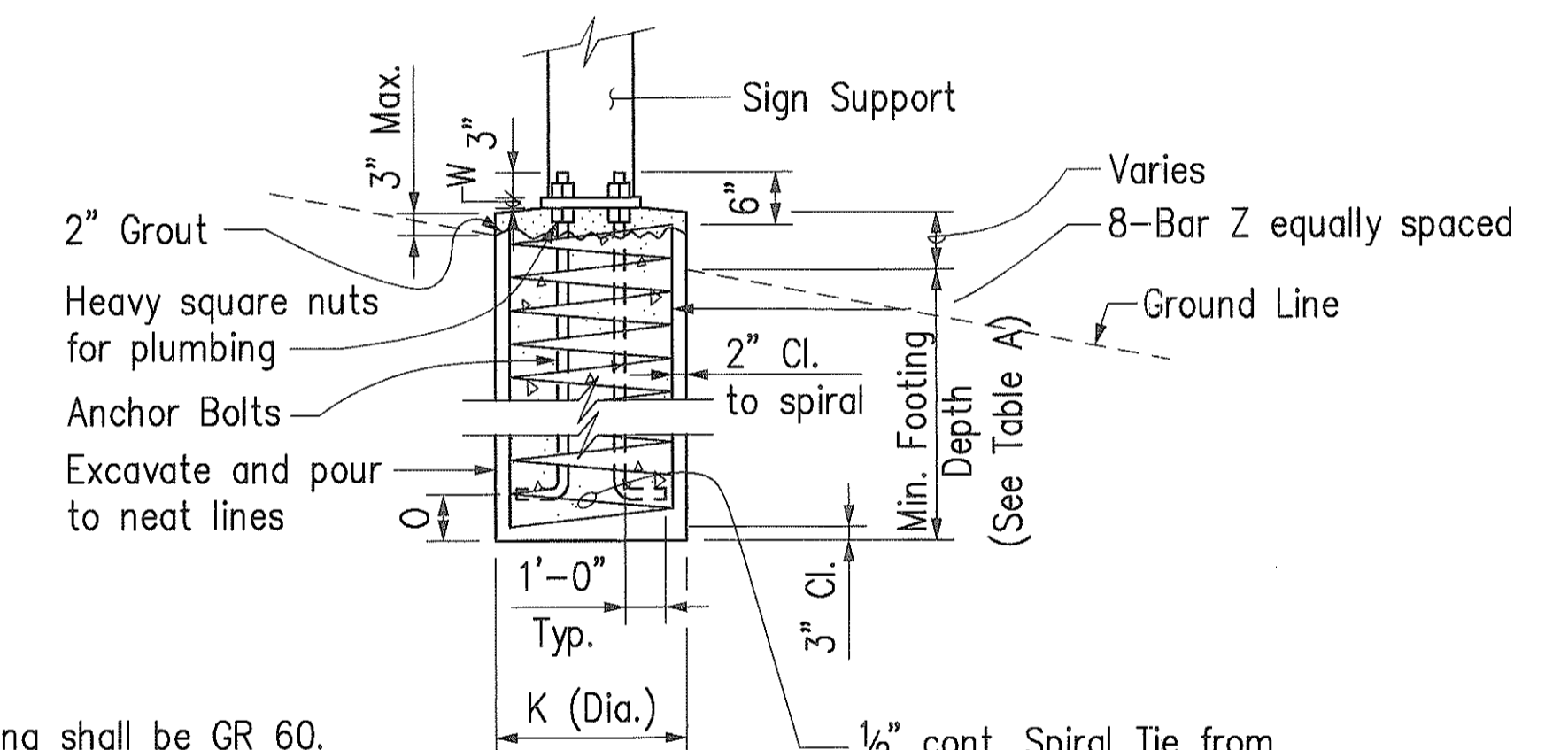
PLAN FOR TYPE C FOOTING



SIGN LAYOUT E-8
Scale: 1/4" = 1'-0"



SIGN LAYOUT E-13
Scale: 1/4" = 1'-0"

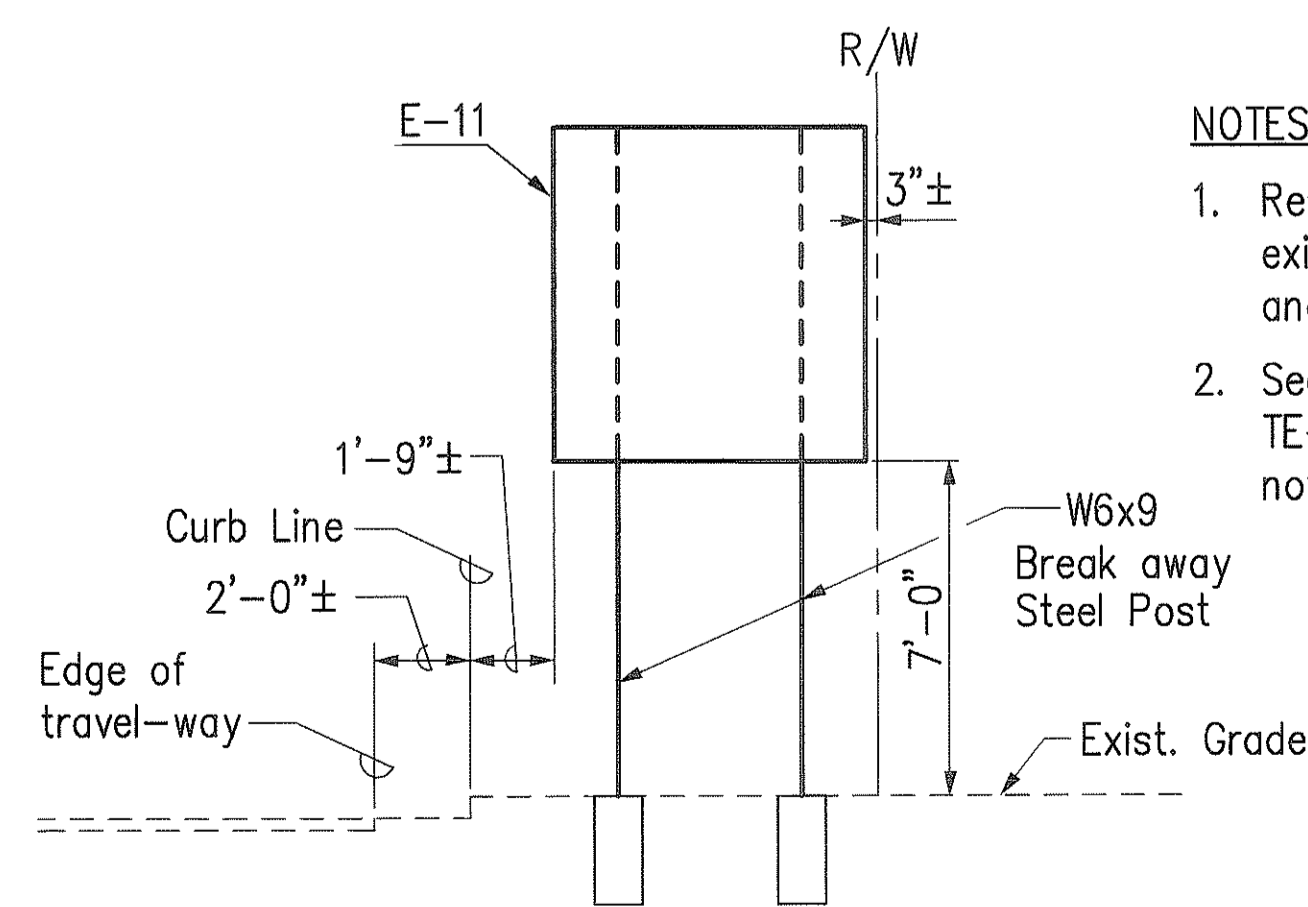


ELEVATION

NOTES:

1. Footing reinforcing shall be GR 60.
2. Concrete shall be Class A.
3. Anchor bolts shall be ASTM A 307.

TYPE A, B & C FOOTINGS
Not to Scale



SIGN LAYOUT E-11
Scale: 1/4" = 1'-0"

NOTES FOR SIGN E-11:

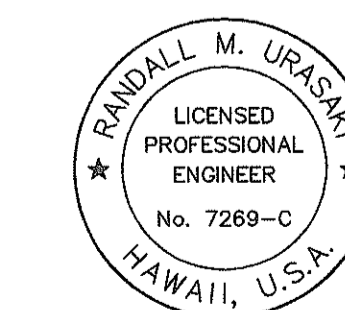
1. Remove and dispose existing sign, posts, and footings.
2. See Standard Plan TE-24 for information not shown.

NOTES FOR GROUND MOUNTED 'E' EXPRESSWAY SIGNS:

1. For dimensions not shown, see Standard Plans TE-23, TE-26, & TE-27.
2. For Footing Type A, B & C, see Details on this sheet. For Type VI Footing, see Standard Plan TE-23.

ORIGINAL PLAN NO. _____
DATE _____
DESIGNED BY _____
CHECKED BY _____
SURVEY PLOTTED BY _____
NO. _____

CAD by J. Minato, 05-92



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Randall M. Uraska

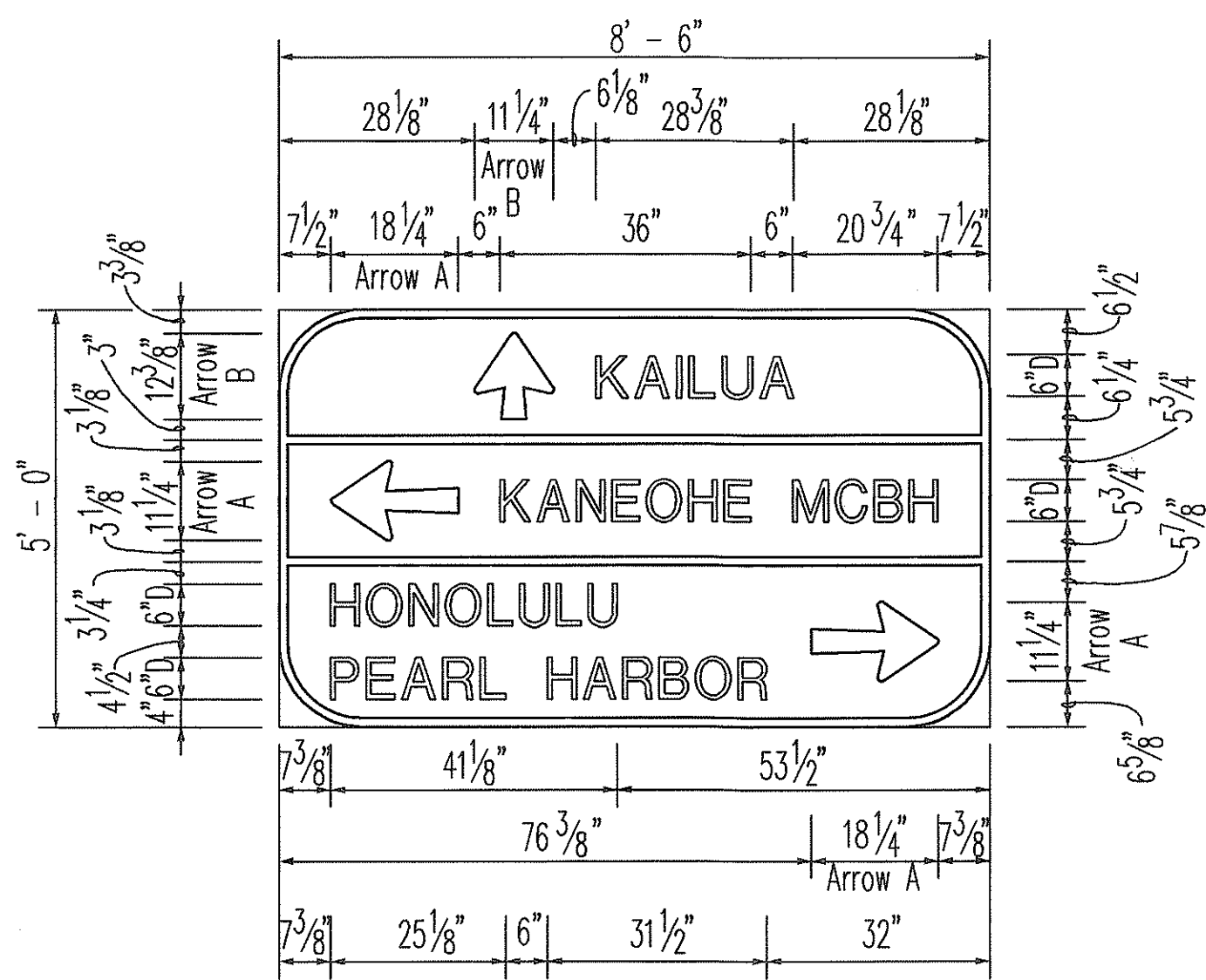
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
DESTINATION SIGNS
SIGN LAYOUTS

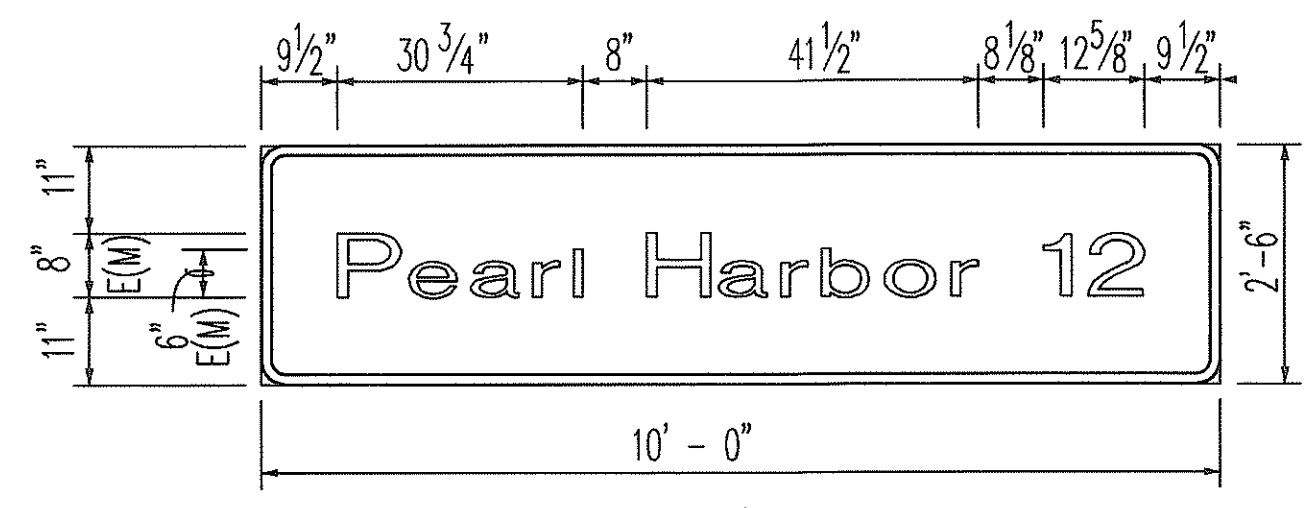
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: AS SHOWN DATE: JANUARY 1996
SHEET NO. SP44 OF 48 SHEETS

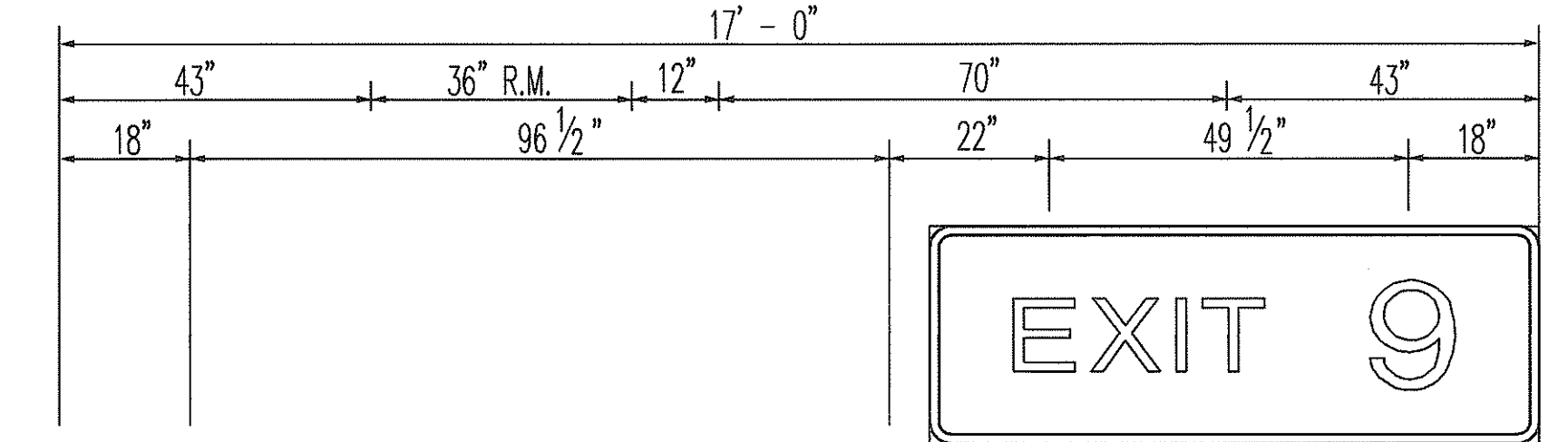
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	187	405



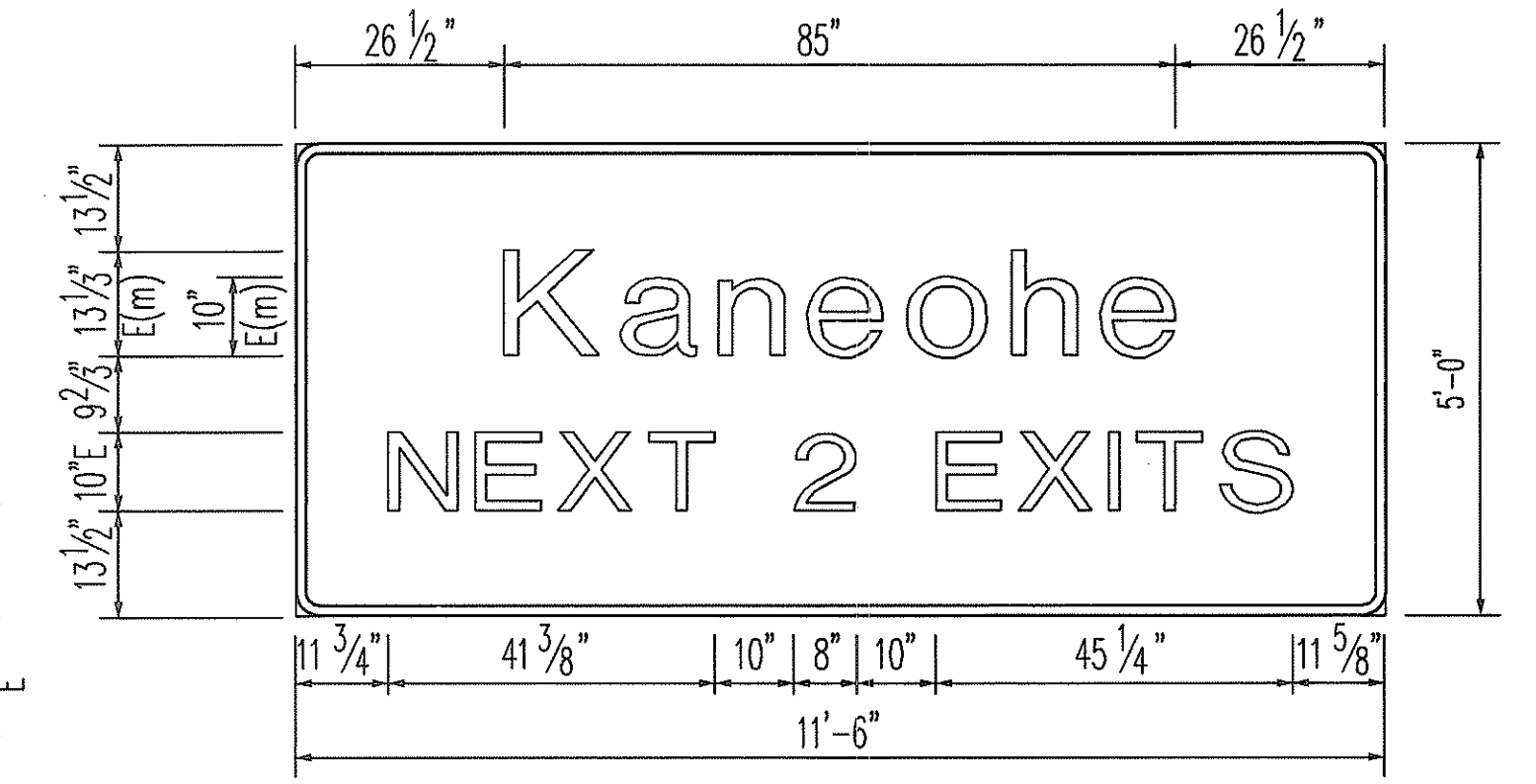
DIR-1



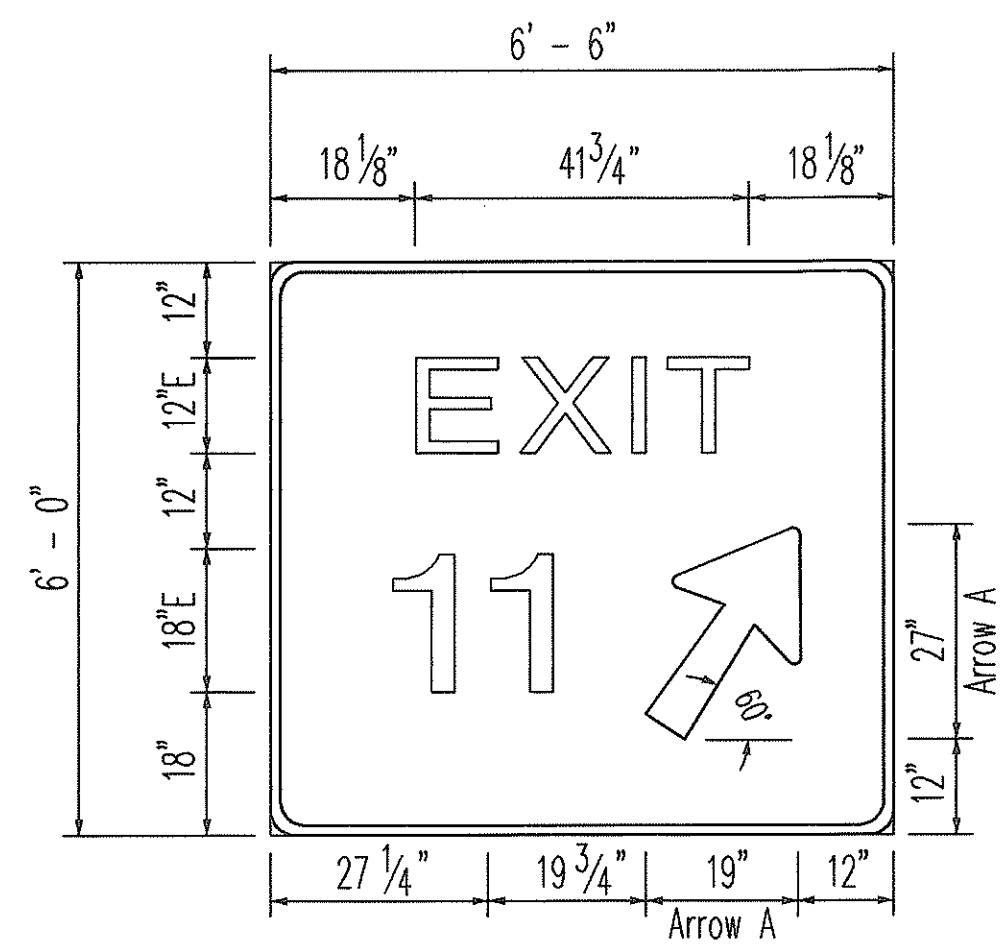
DIR-4



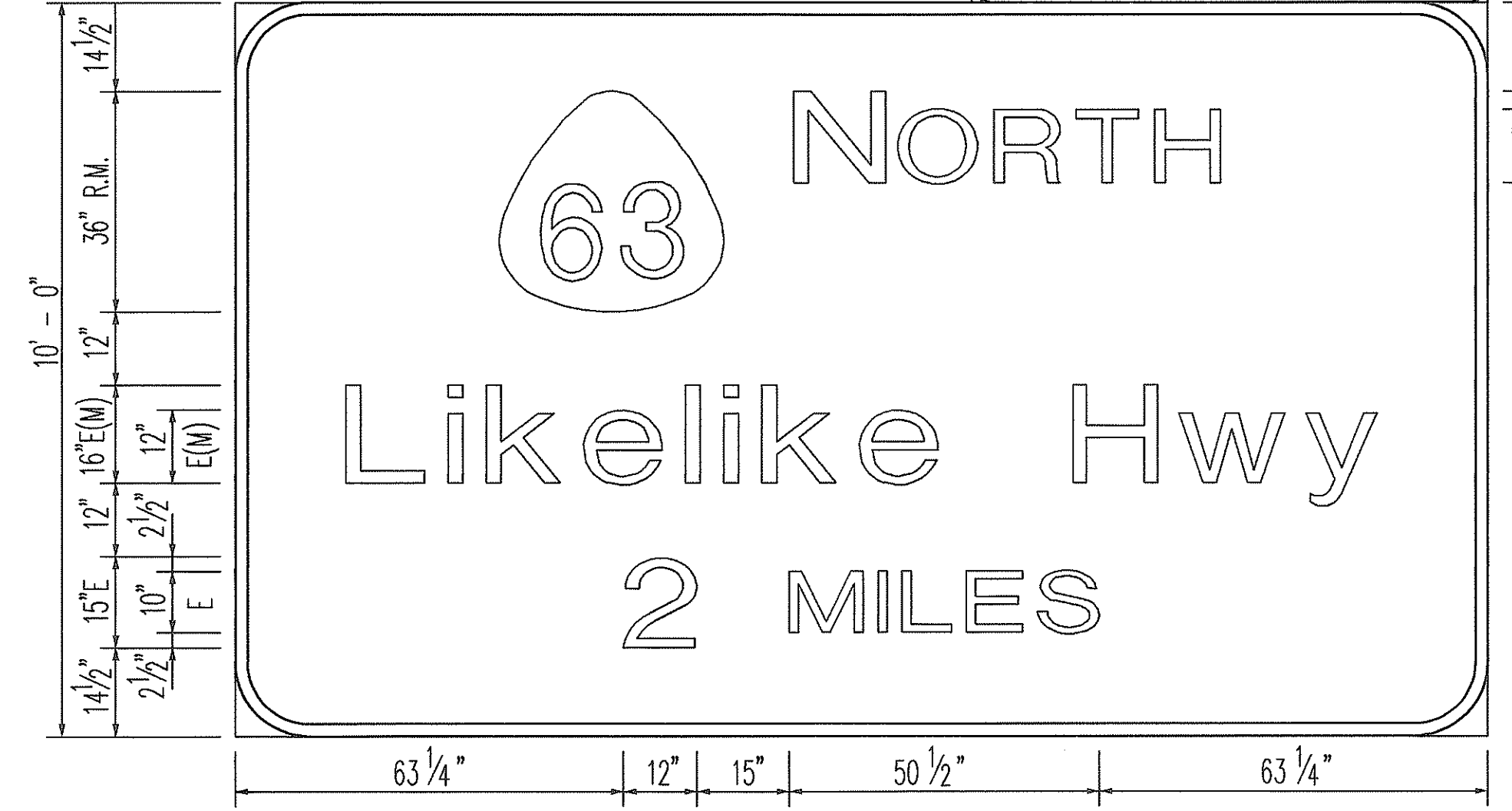
EXIT 9



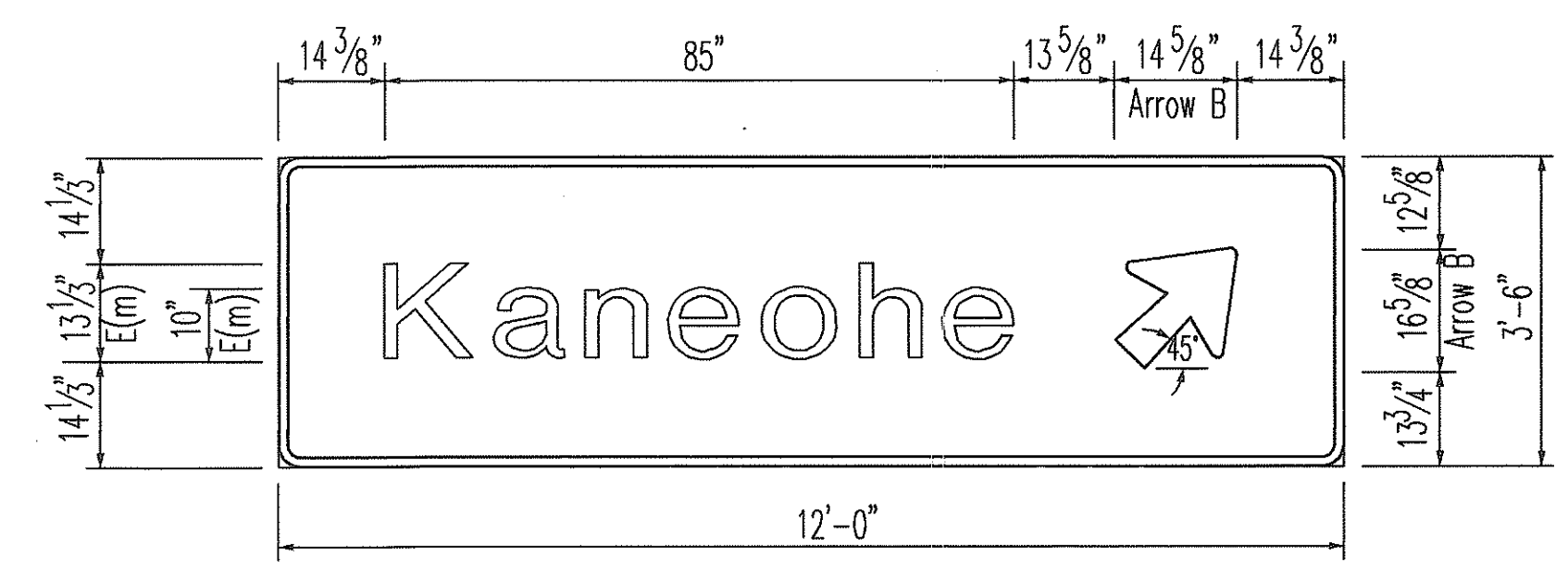
E-3



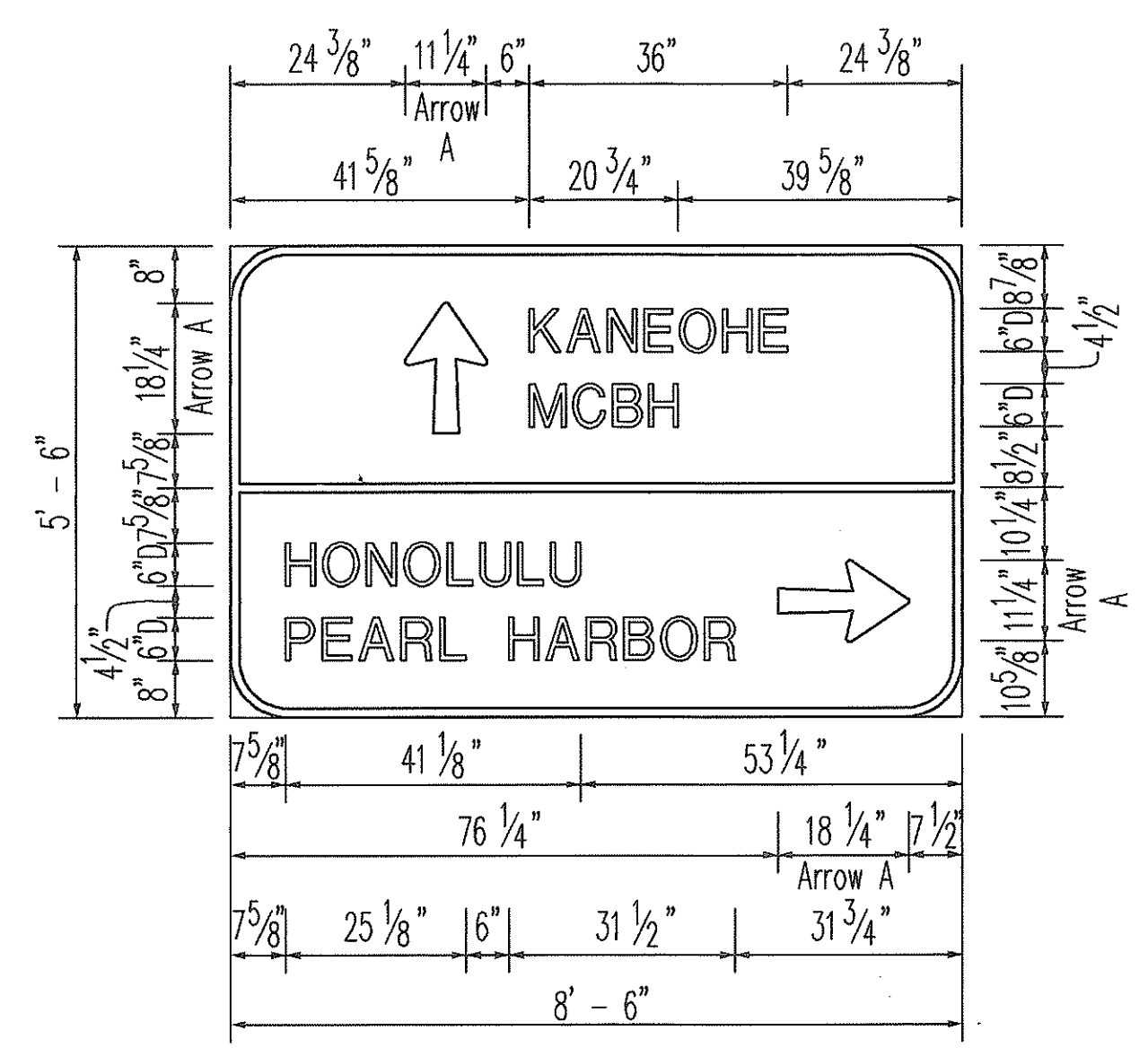
DIR-11



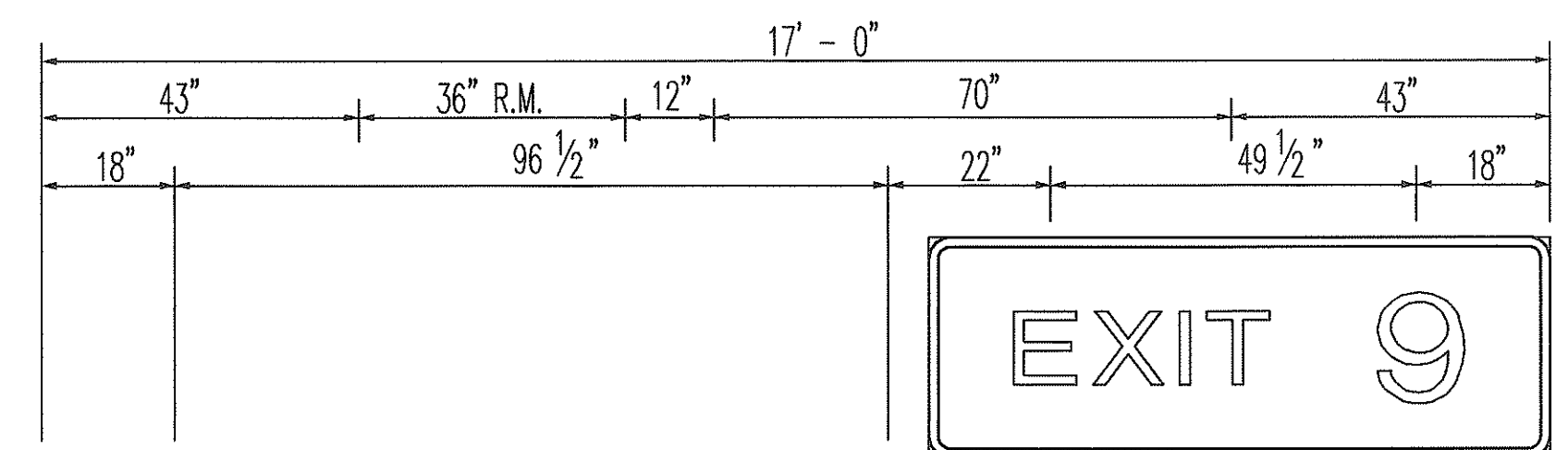
E-1



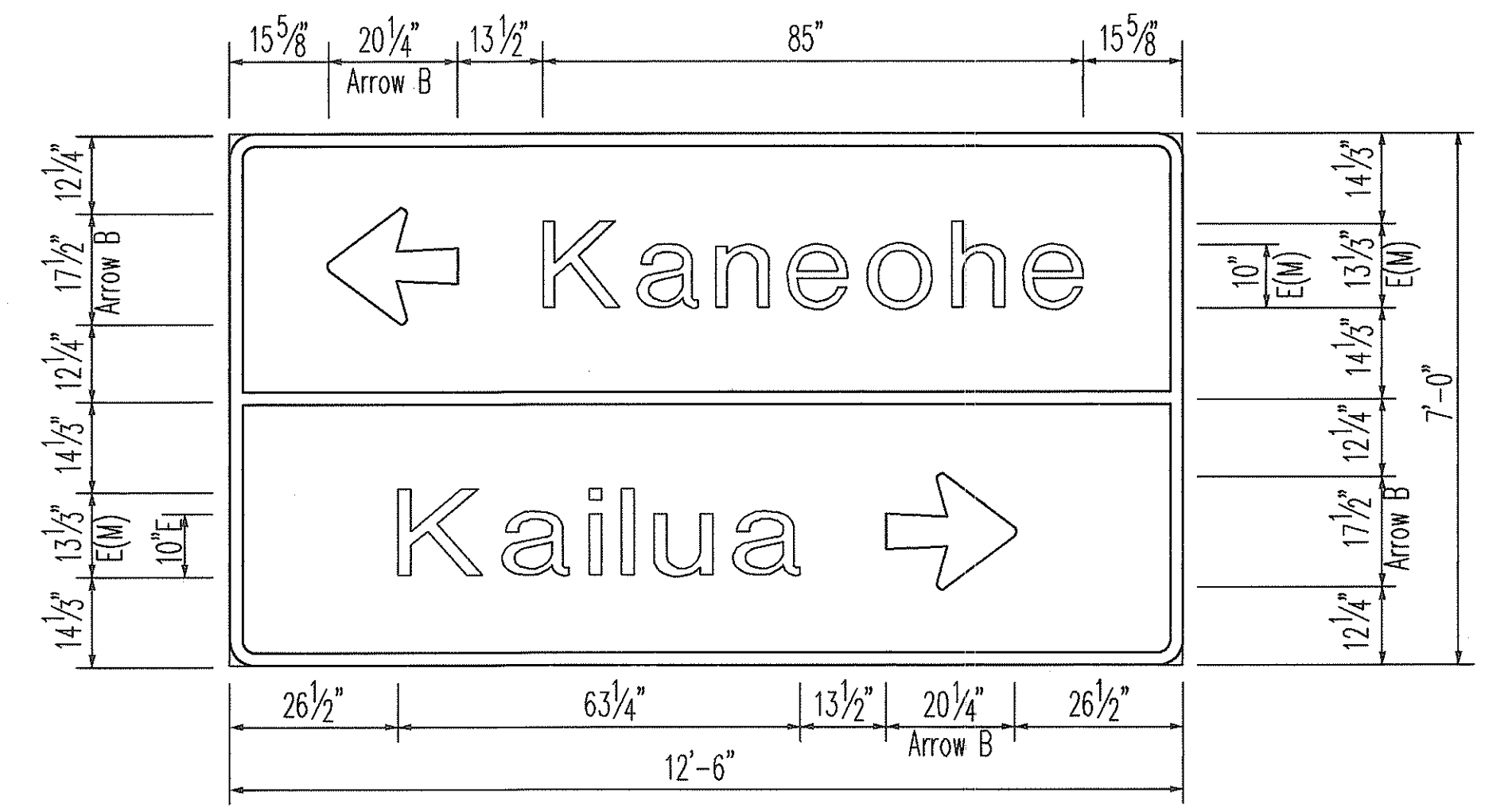
E-4/E-5



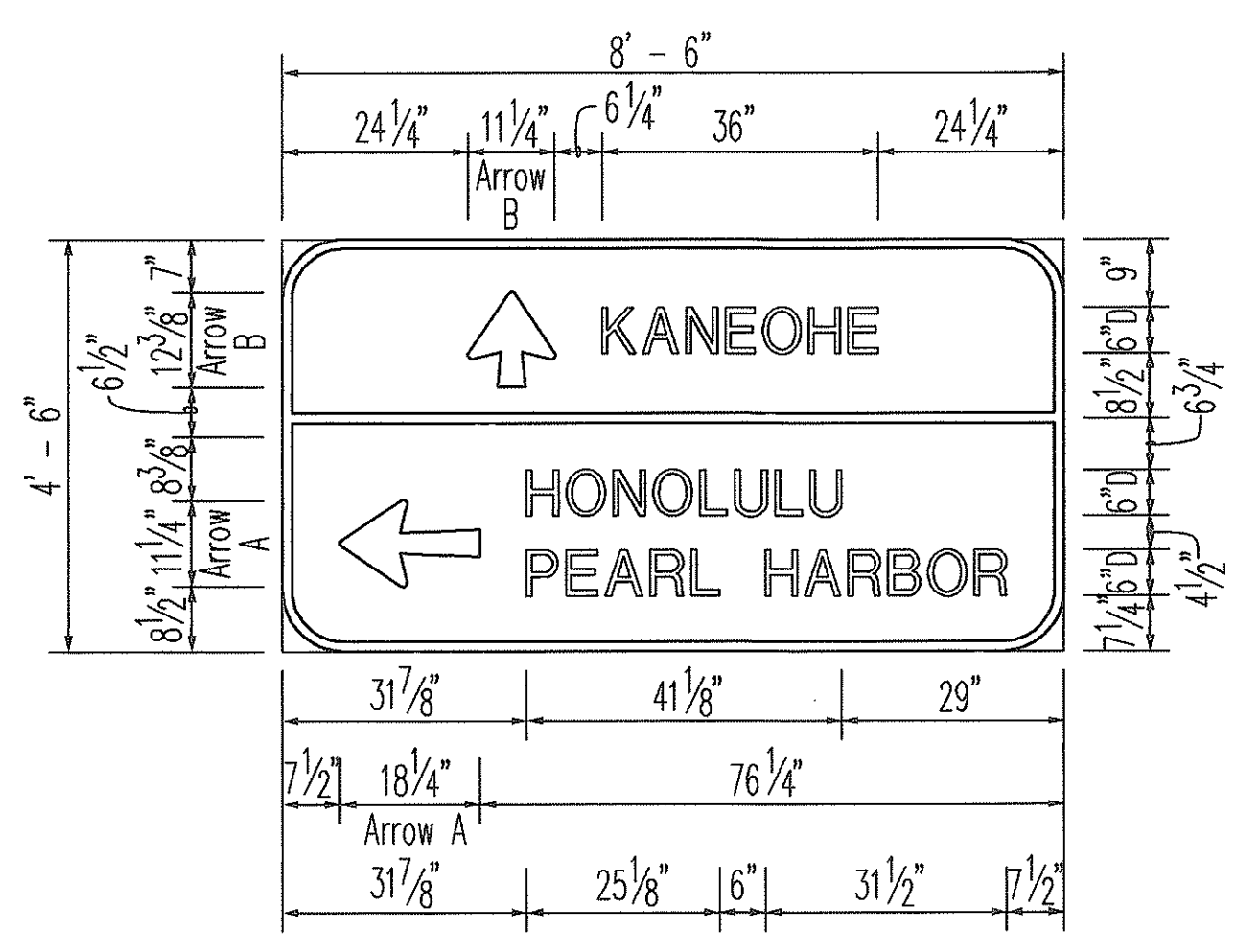
DIR-2



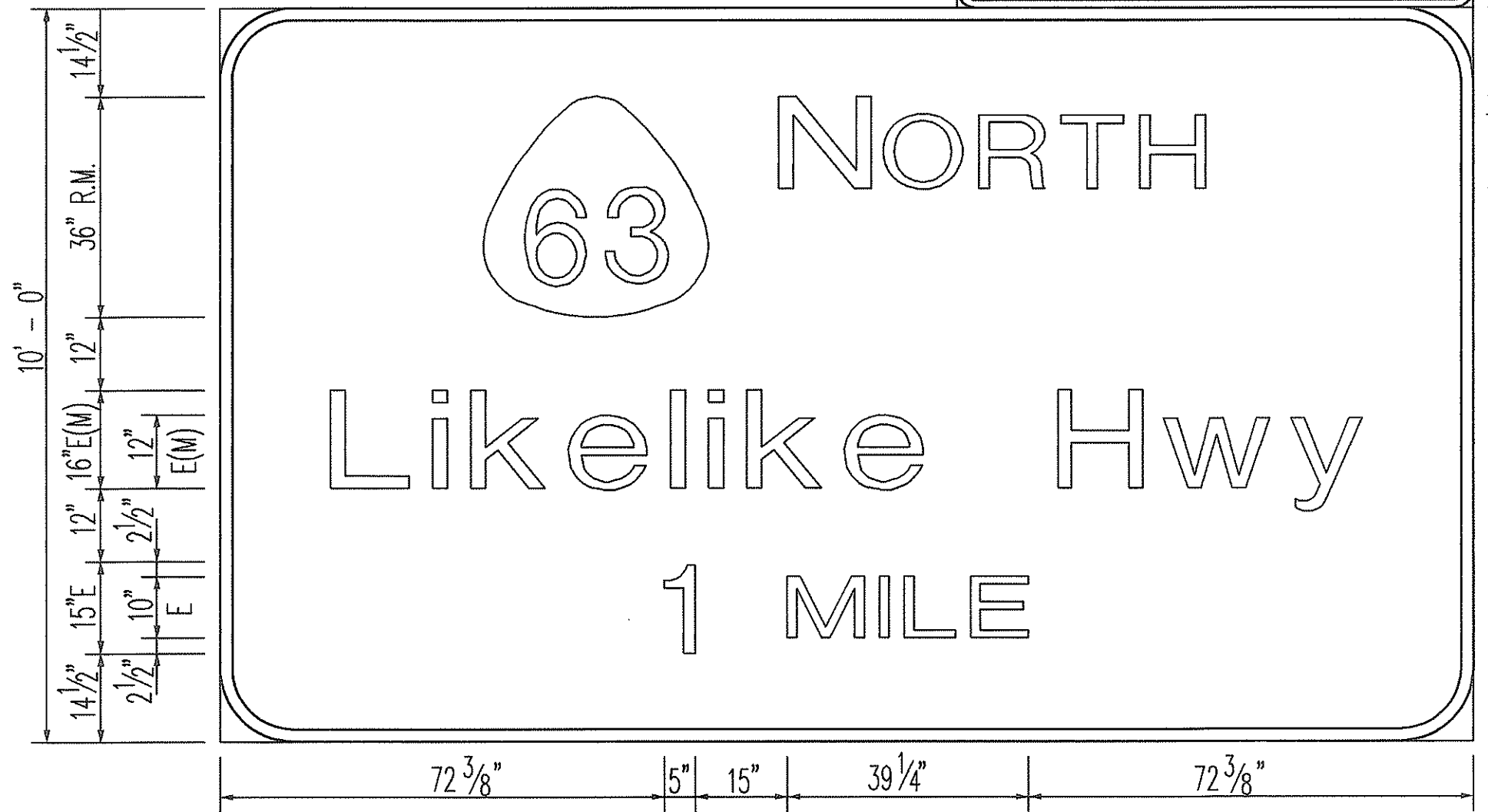
EXIT 9



E-6



DIR-3



E-2

NOTES:

1. See Sheet SP47 for Arrow Detail.
2. See Sheet SP47 for Exit Number Panel Detail.
3. For sign layouts, see Sheets SP43 and SP44.
4. For 36" State Route Marker (R.M.) detail, See Sheet SP47.

ORIGINAL PLAN	DATE
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	

CAD by J. Minato, 55-52

RANDALL M. URASKO
LICENSED PROFESSIONAL ENGINEER
No. 7289-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
R. Urasko

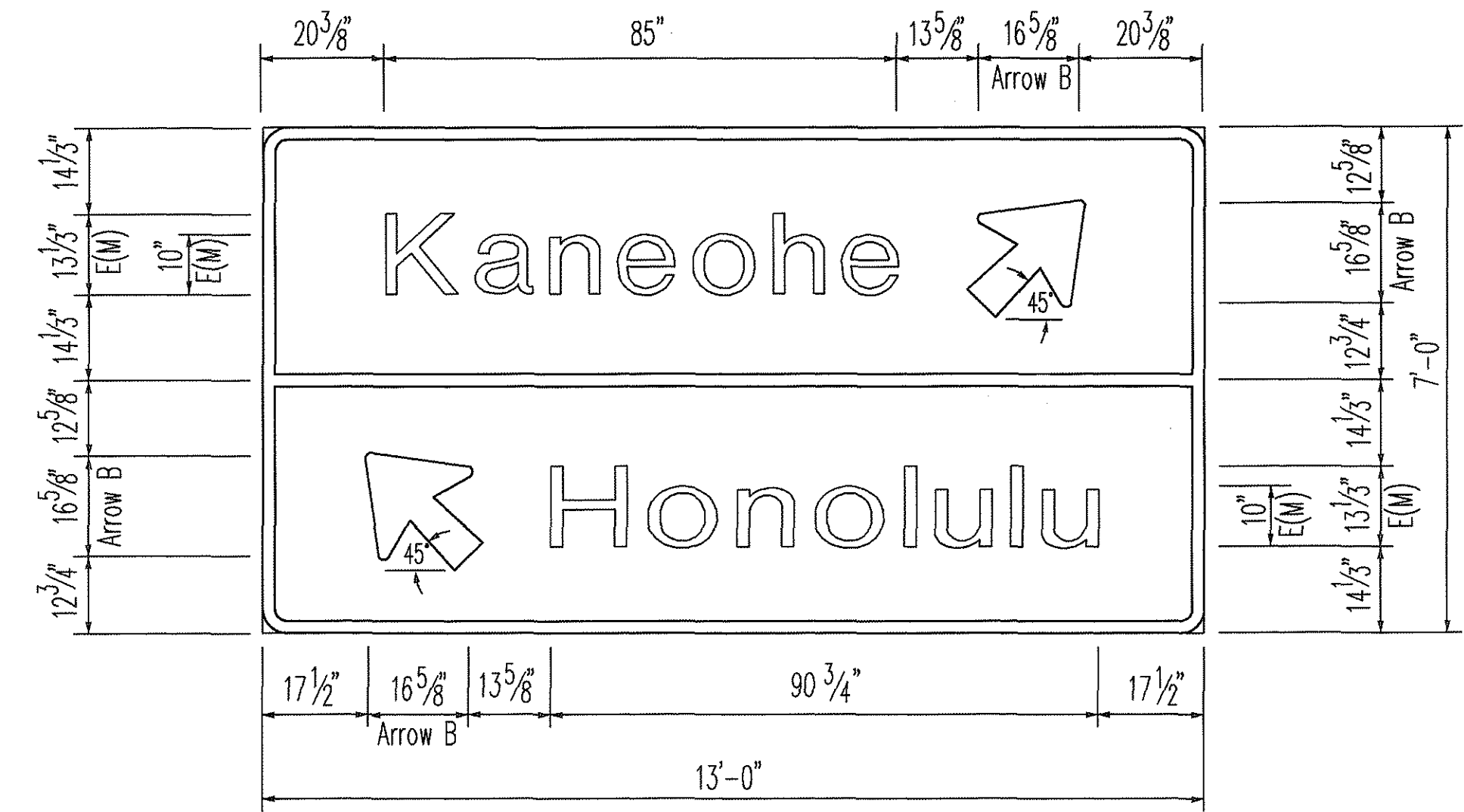
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING & PAVEMENT MARKINGS
DESTINATION SIGNS
SIGN DETAILS

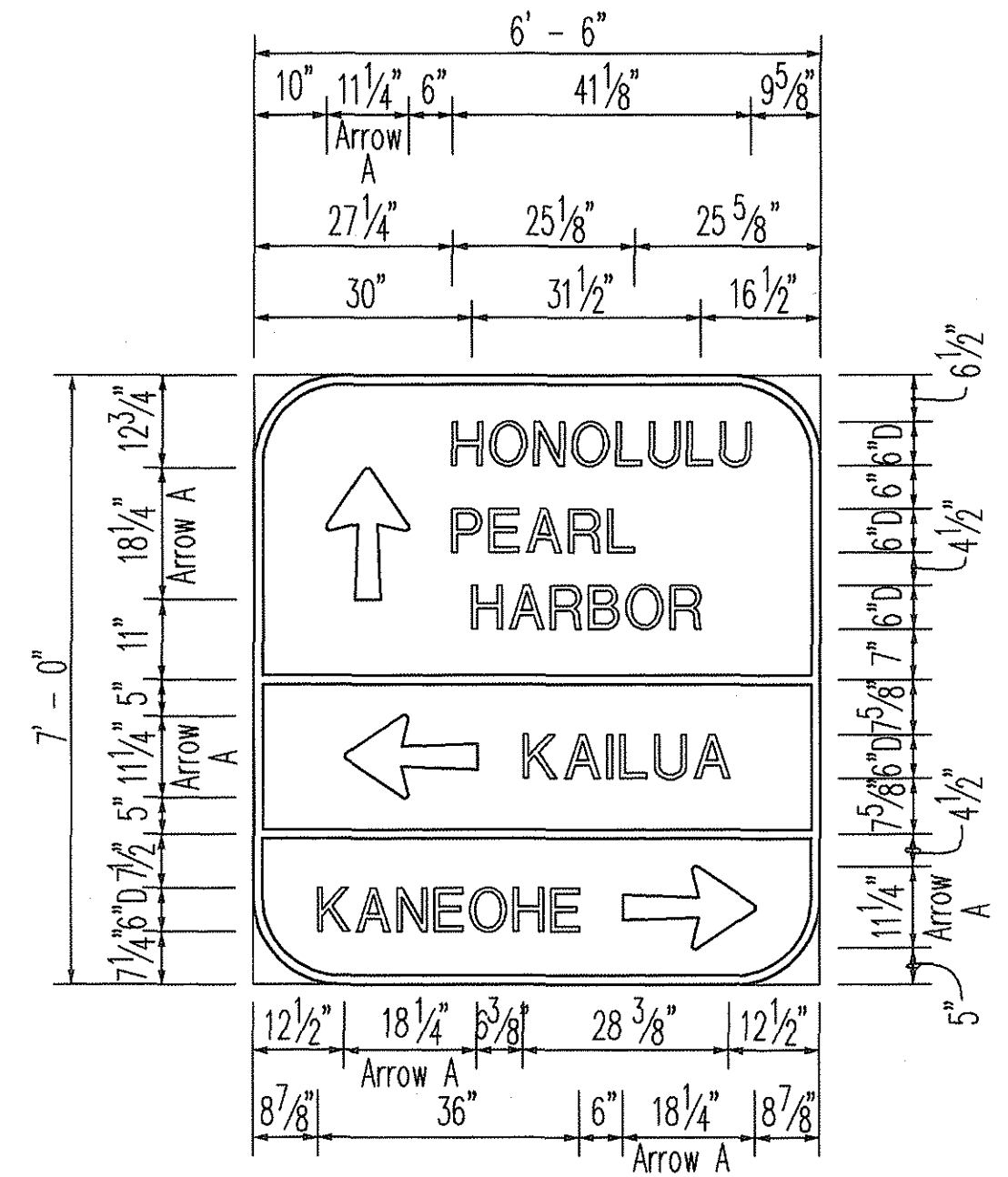
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1/2" = 1'-0" DATE: JANUARY 1996
SHEET NO. SP45 OF 48 SHEETS

"AS-BUILT"

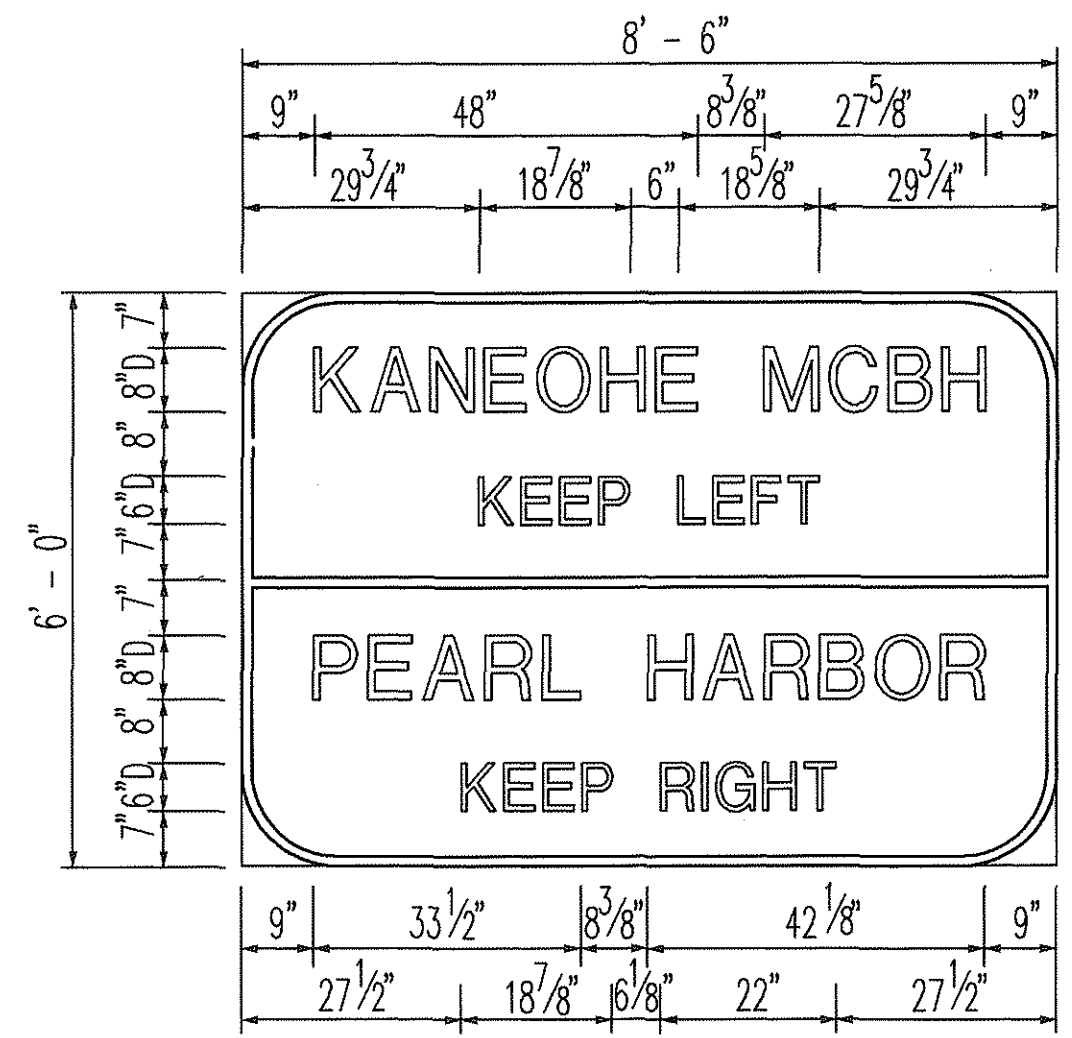
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	188	405



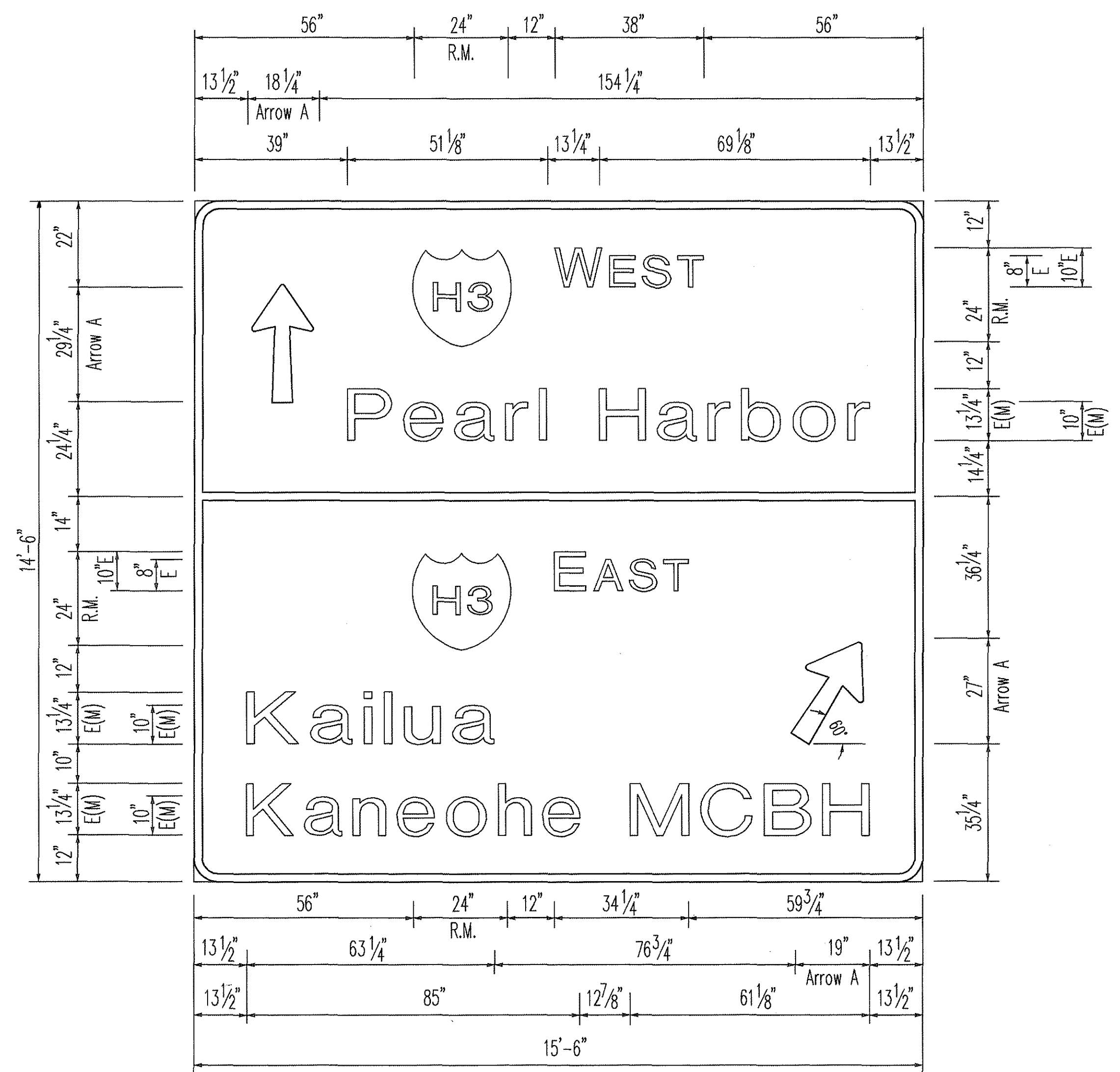
E-8



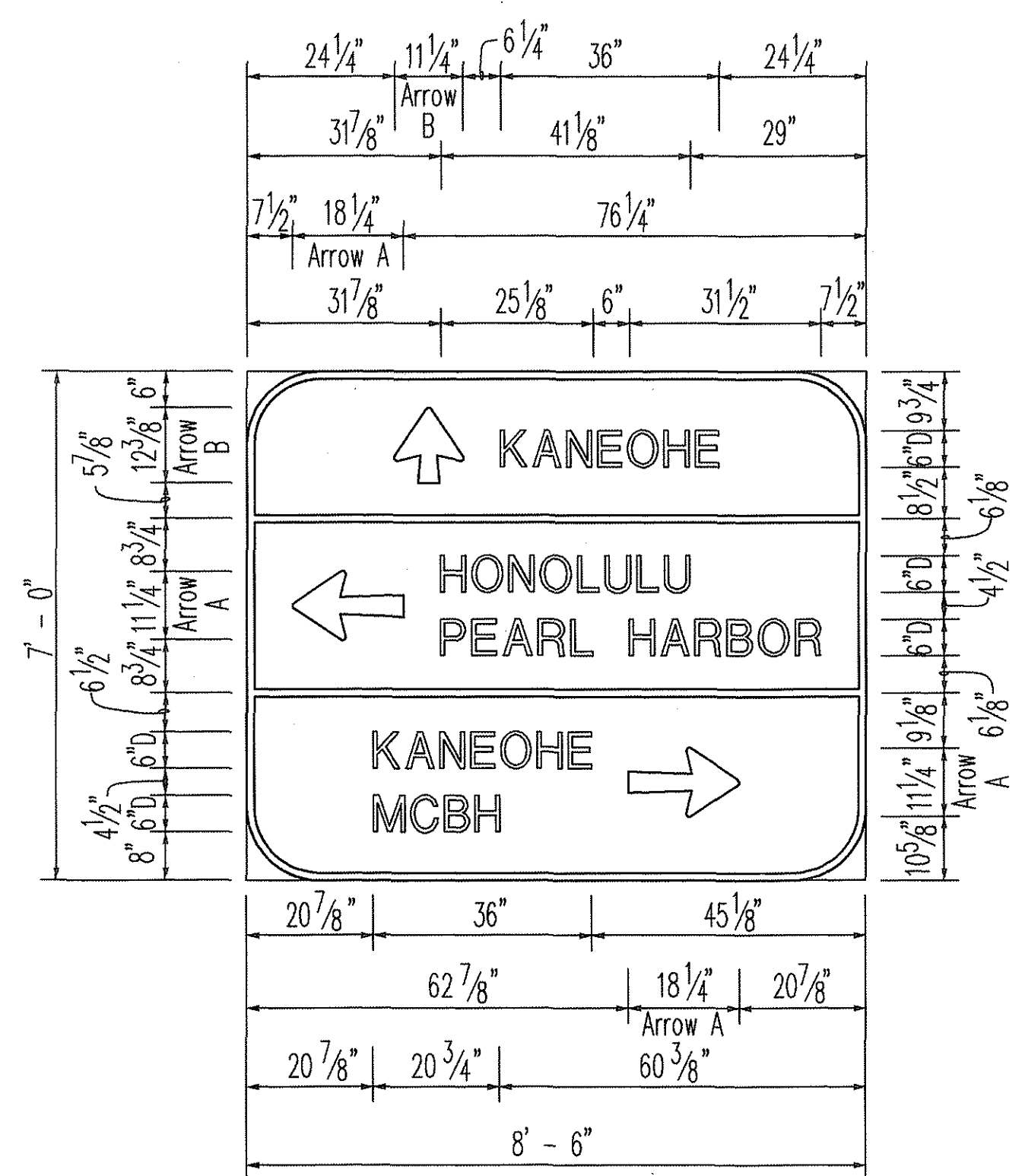
E-11



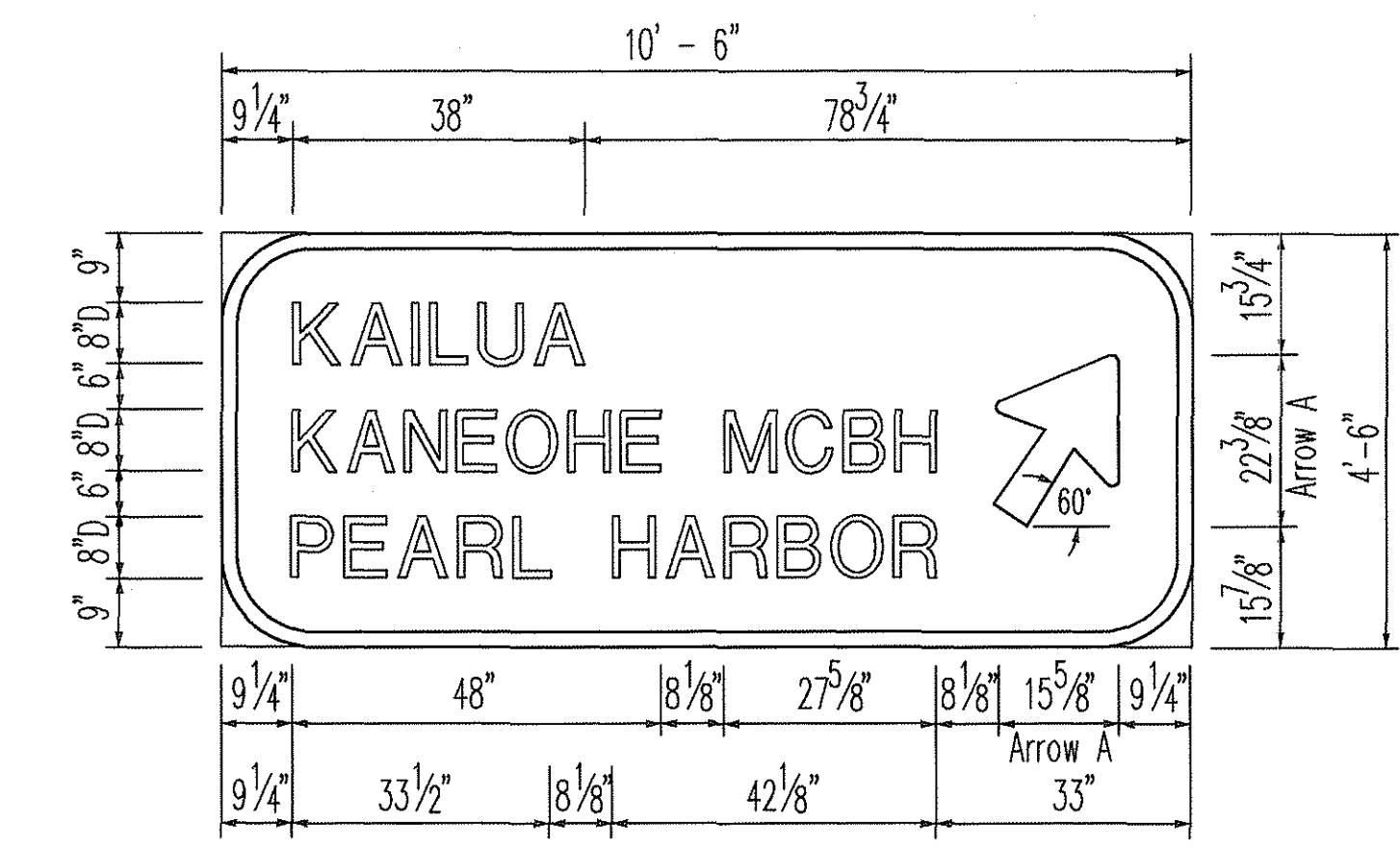
E-13



E-9



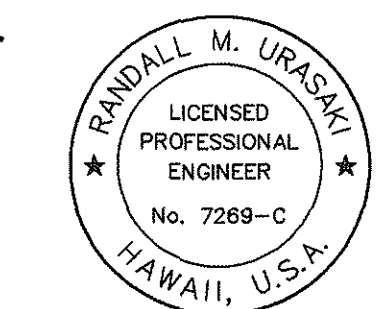
E-12



E-14

NOTES:

1. See Sheet SP47 for Arrow Detail.
2. See Sheet SP47 for Exit Number Panel Detail.
3. For sign layouts, see Sheets SP43 and SP44.
4. For 36" State Route Marker (R.M.) detail, See Sheet SP47.

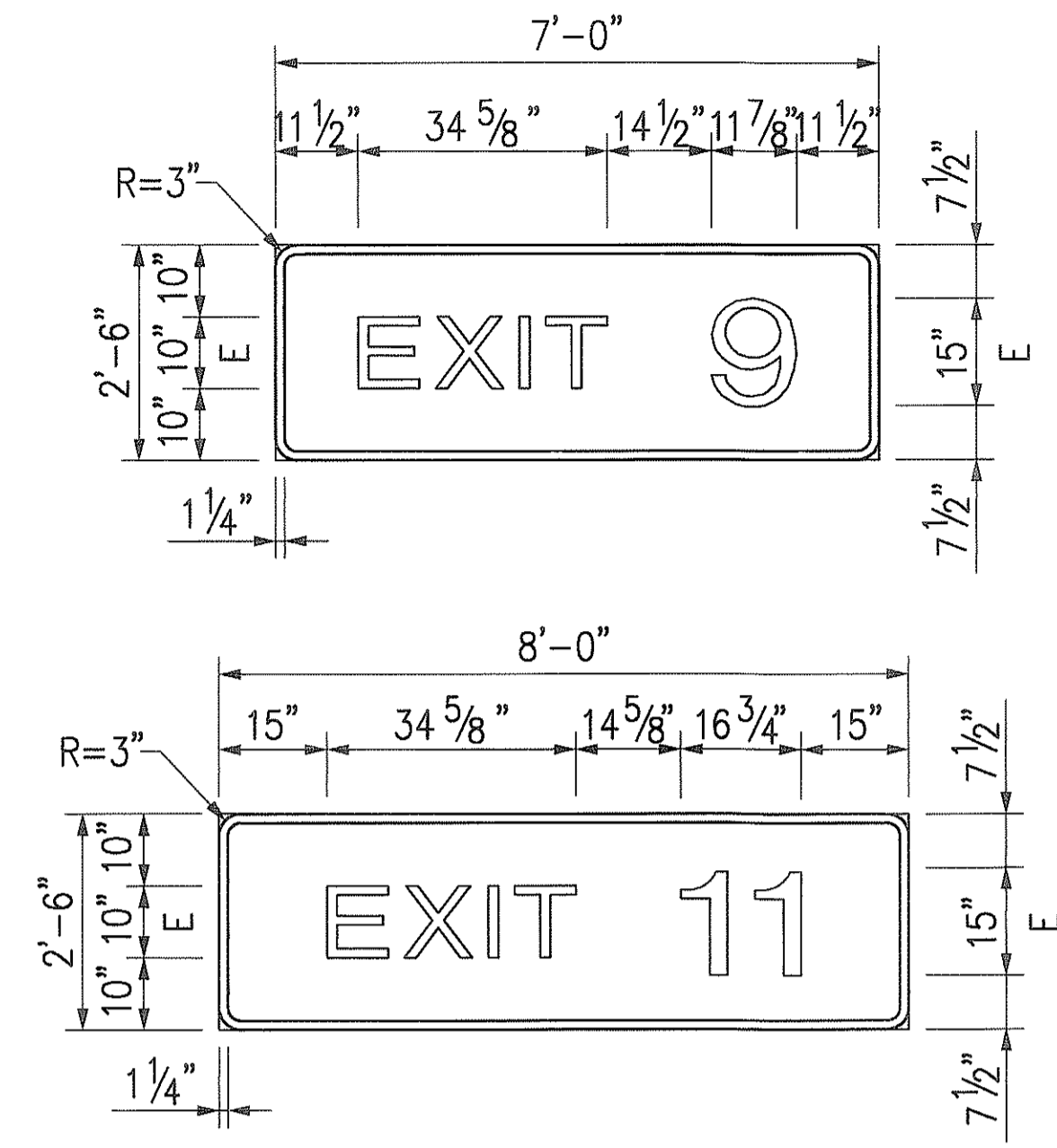


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Randall M. Uraski

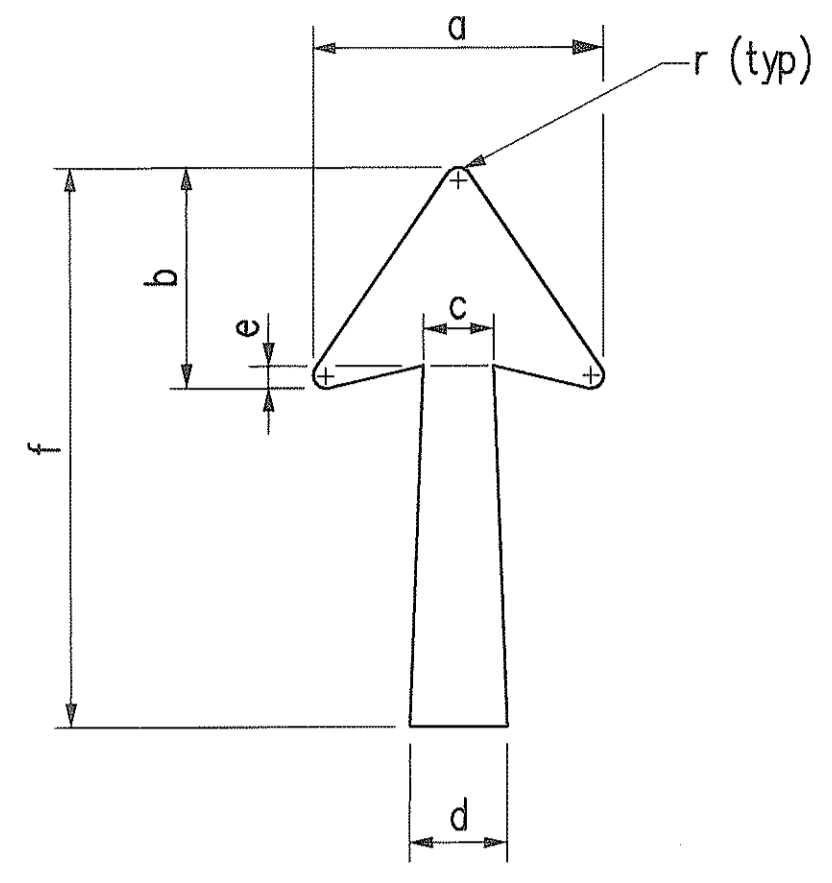
4/30/96	Revised sign E-9.
Date	Revision
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION SIGNING & PAVEMENT MARKINGS DESTINATION SIGNS SIGN DETAILS	
INTERSTATE ROUTE H-3 FAIP NO. I-H3-1(75), UNIT I SCALE: 1/2" = 1'-0" DATE: APRIL 1996 SHEET NO. SP46 OF 48 SHEETS	

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

CAO by J. HARRIS, 55-52

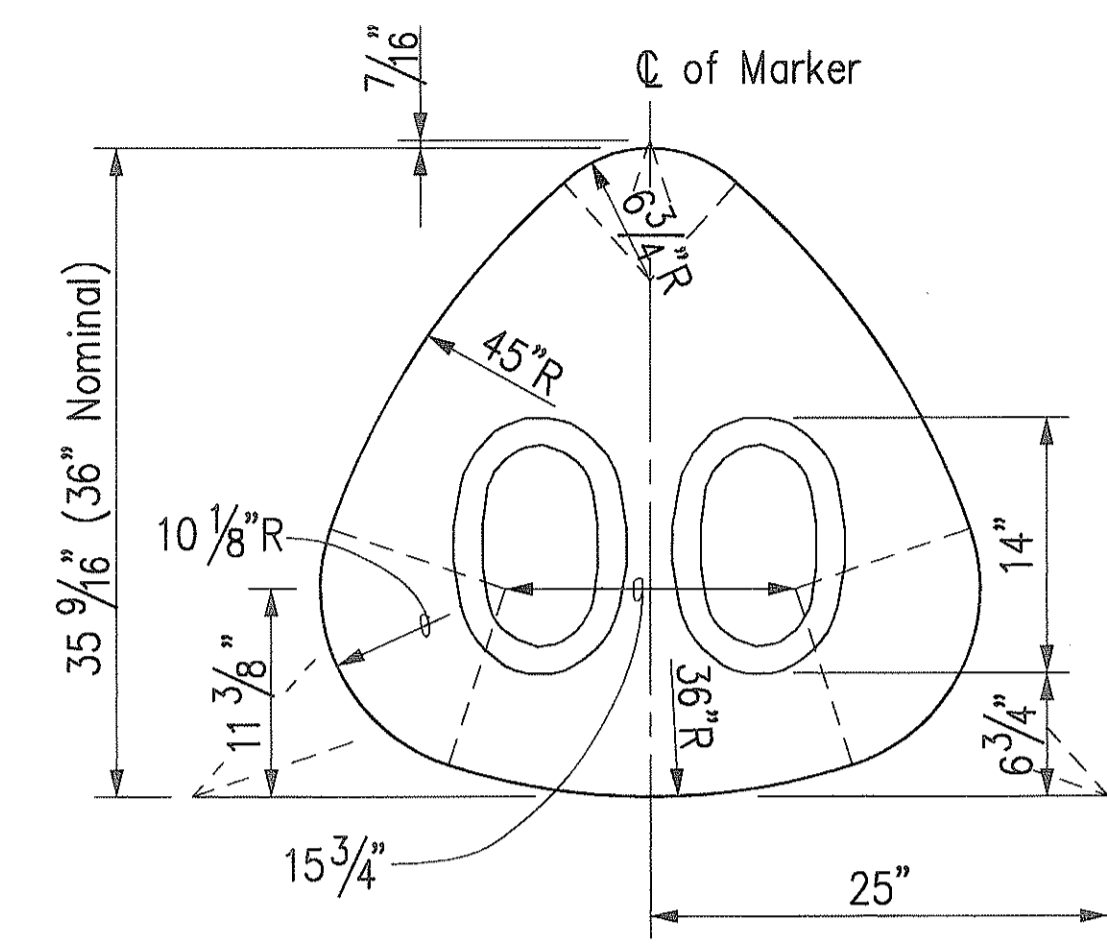


EXIT NUMBER PANELS
Scale: 1/2" = 1'-0"



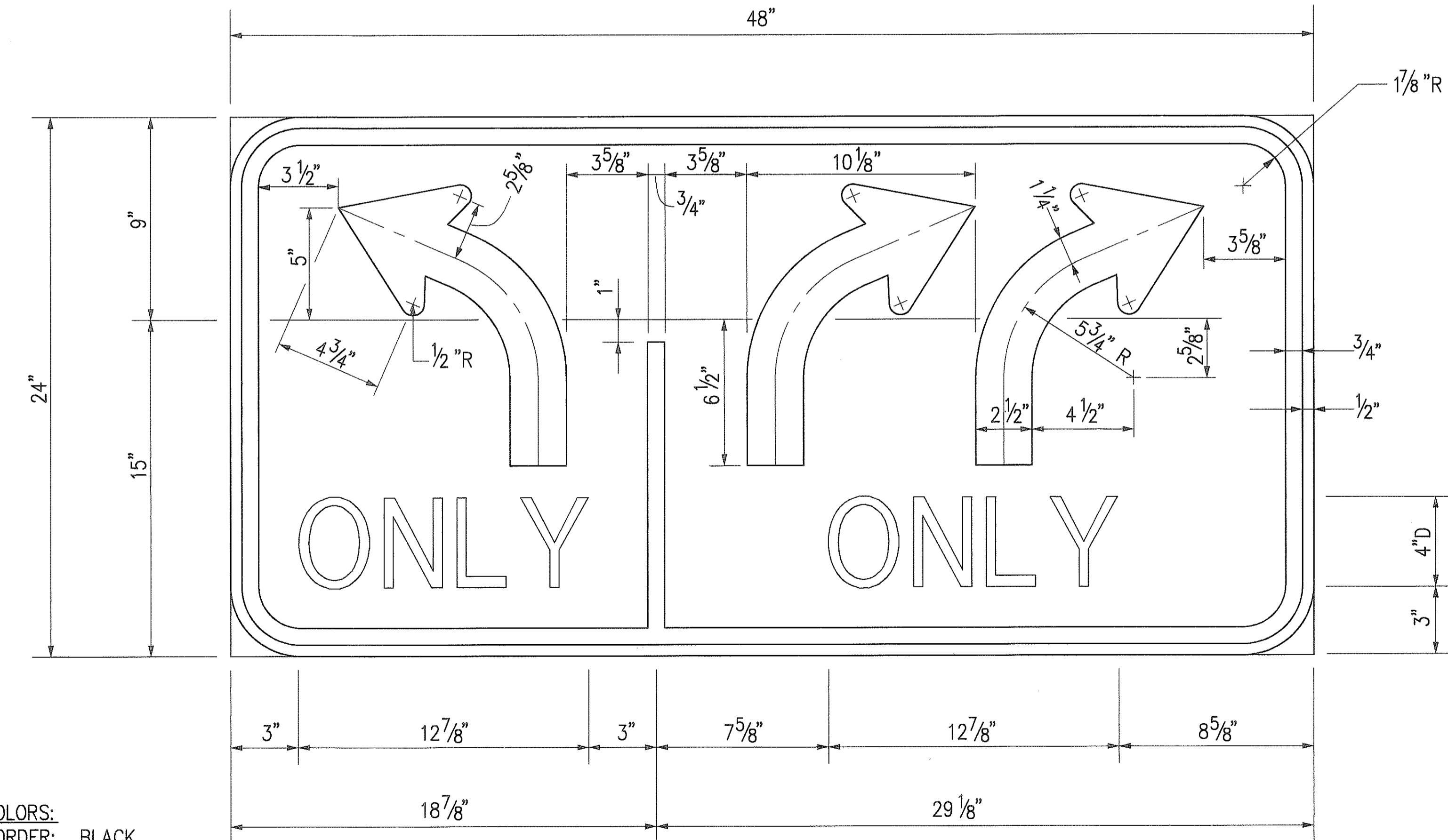
ARROW DETAIL
N.T.S.

TYPE	SIGN	Inches						
		a	b	c	d	e	f	r
ARROW A	DIR-1 DIR-2 DIR-3 E-11 E-12	11 1/4	8 3/4	3 1/8	3 7/8	7/8	18 1/4	5/8
	E-14	15 1/8	11 9/16	3 3/4	5	1 5/16	24 1/4	1 3/16
	DIR-11 E-9	18 1/4	14	4 1/2	6	1 1/2	29 1/4	3/4
ARROW B	E-7	22 1/4	17	5 3/8	7 1/8	1 3/4	35 5/8	1
	DIR-1 DIR-3 E-12	11 1/4	8 3/4	3 1/8	3 1/2	7/8	12 3/8	5/8
	E-4 E-5 E-6 E-8	17 1/2	11 3/4	4 3/8	5 5/8	1 1/2	20 1/4	7/8



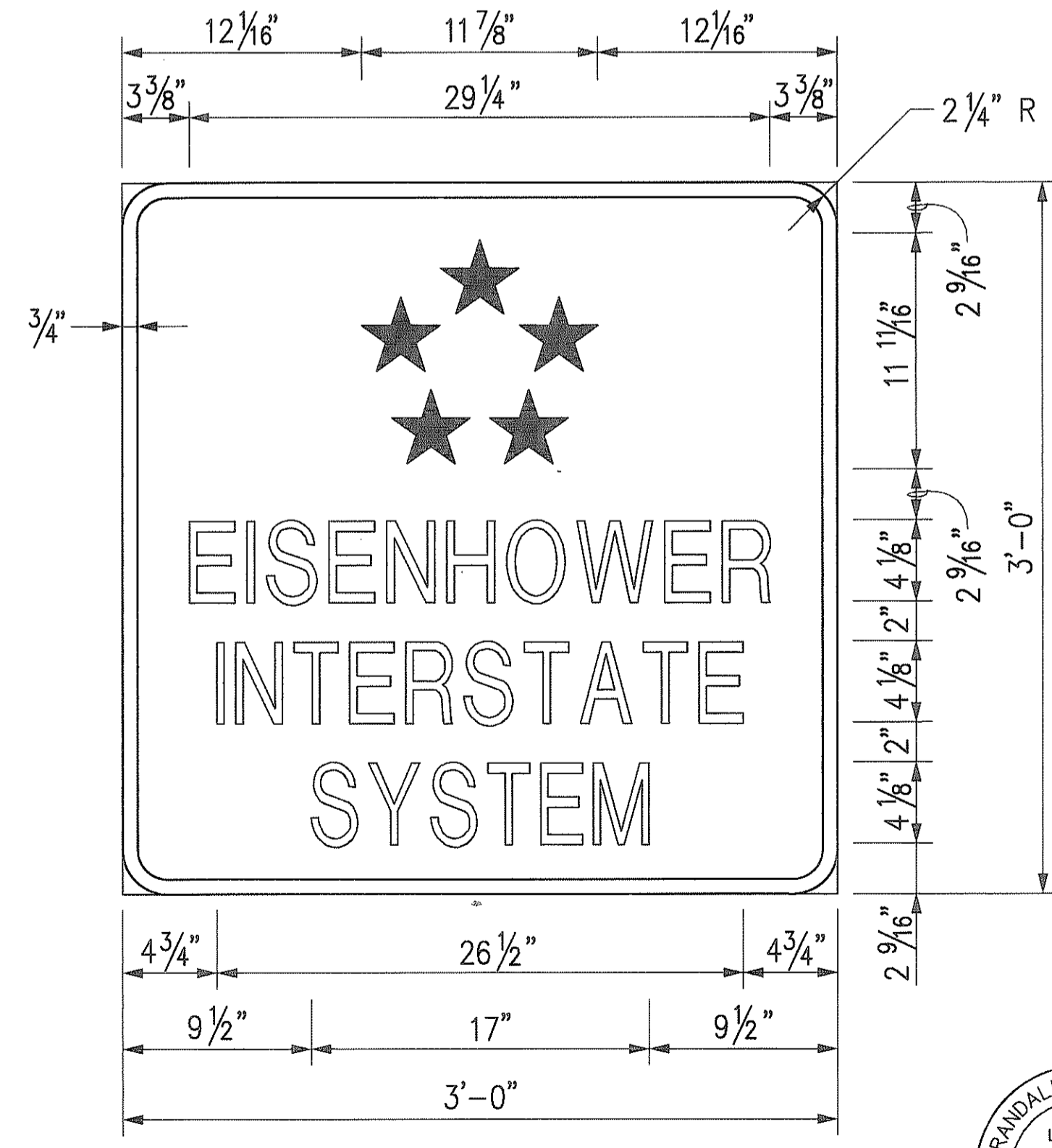
36" STATE ROUTE MARKER FOR GUIDE SIGNS
N.T.S.

- NOTES FOR 36" STATE ROUTE MARKER FOR GUIDE SIGNS:**
- State Route Markers for Guide Signs shall have black numerals on a white reflectorized background mounted on a flat aluminum cut-out.
 - Numerals shall conform to the latest editions of FHWA publication "Standard Alphabets For Highway Signs" and as amended.
 - Cut-outs shall be fastened on sign panel with aluminum blind rivets. See Standard Specifications Sub-Section 712.20.
 - Numerals shall be of letter Series D.



COLORS:
BORDER: BLACK
LEGEND: BLACK
BACKGROUND: WHITE

R3-10
Scale: 3" = 1'-0"



COLORS:
BORDER: WHITE
LEGEND: WHITE
BACKGROUND: BLUE

M1-10
N.T.S.

- NOTE:**
- Eisenhower Interstate System Sign shall be paid for under Regulatory and Warning Sign (10 Square Feet or Less), With Post.

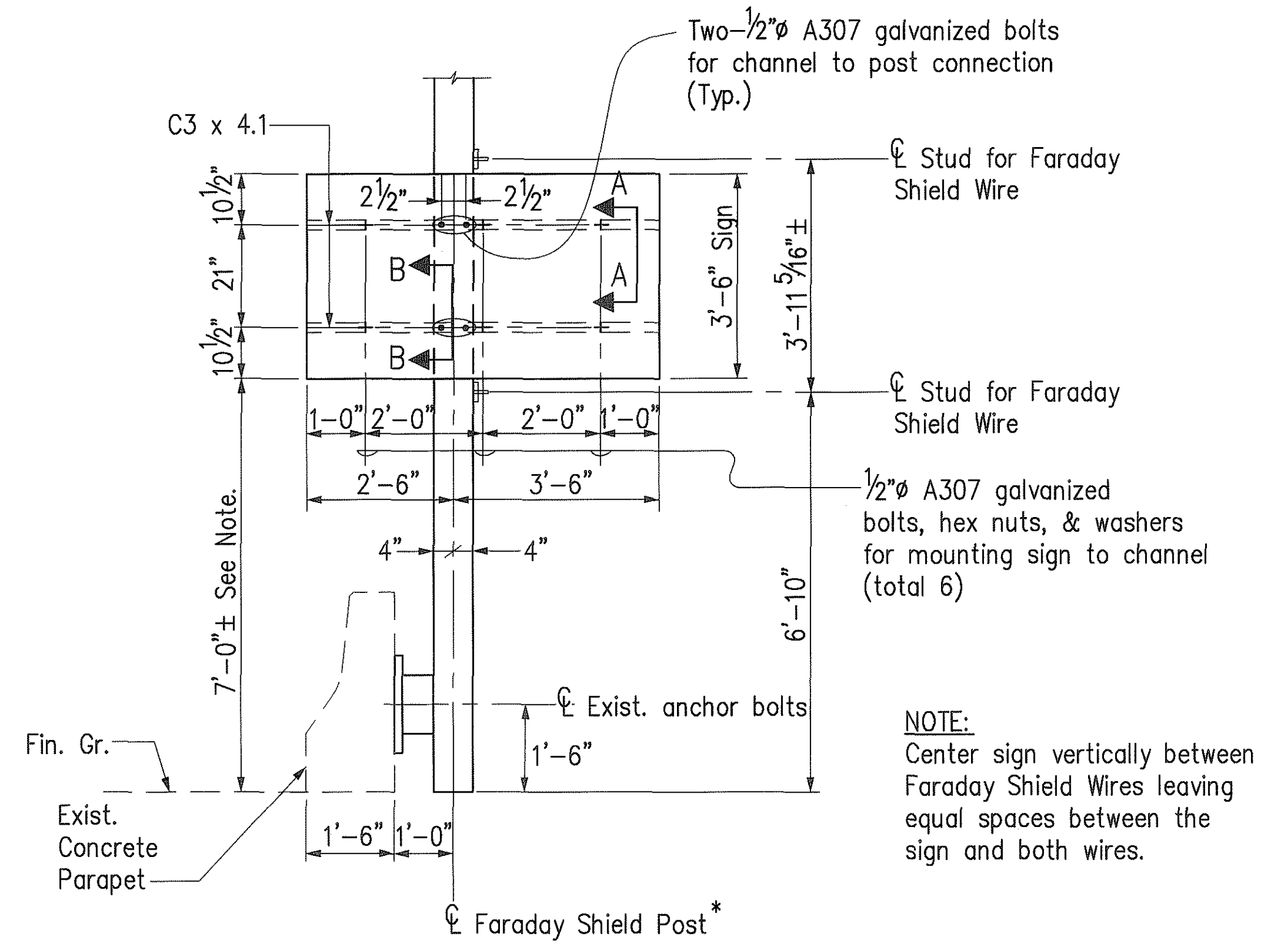
ORIGINAL PLAN
DATE
DESIGNED BY
CHECKED BY
QUANTITIES BY
NO.

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7289-C
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Randall M. Urasaki

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING & PAVEMENT MARKERS
MISCELLANEOUS SIGN DETAILS

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: AS SHOWN DATE: JANUARY 1996
SHEET NO. SP47 OF 48 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	190	405

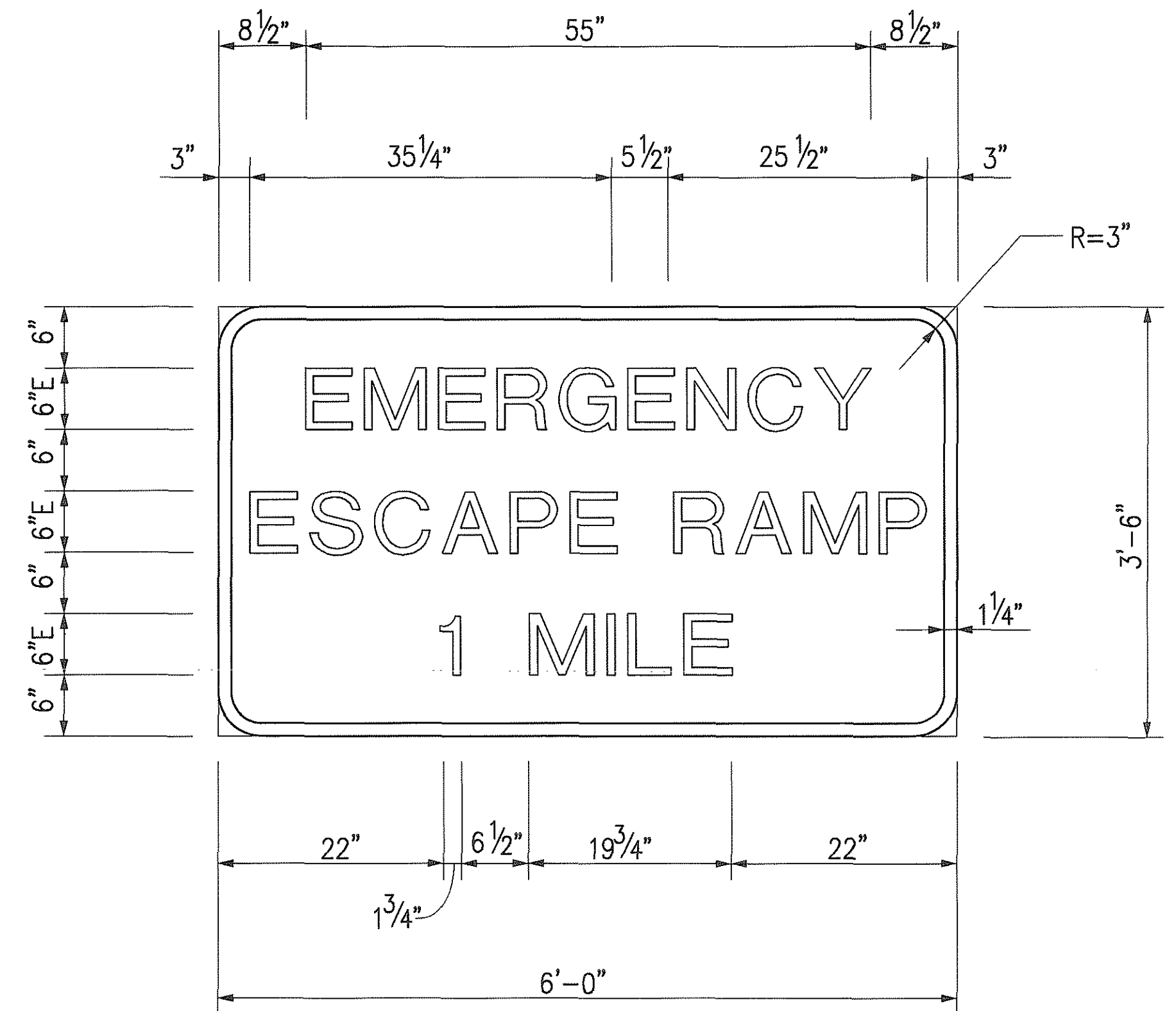


SIGN W7-4B MOUNTING ON FARADAY SHIELD POST

@ STA. 302+45.28

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

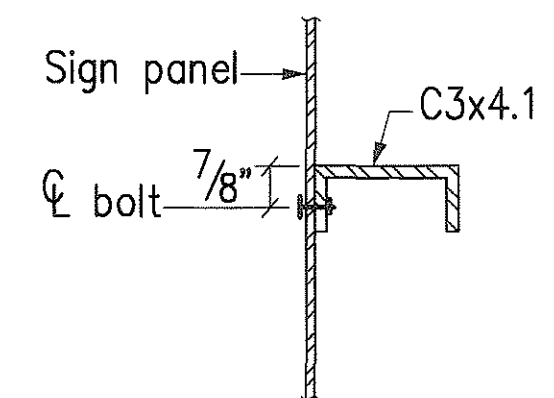
* Faraday Shield Post is State-furnished. Faraday Shield Post to be installed in this contract; see Sht. No. FH-1 to FH-5.



W7-4B

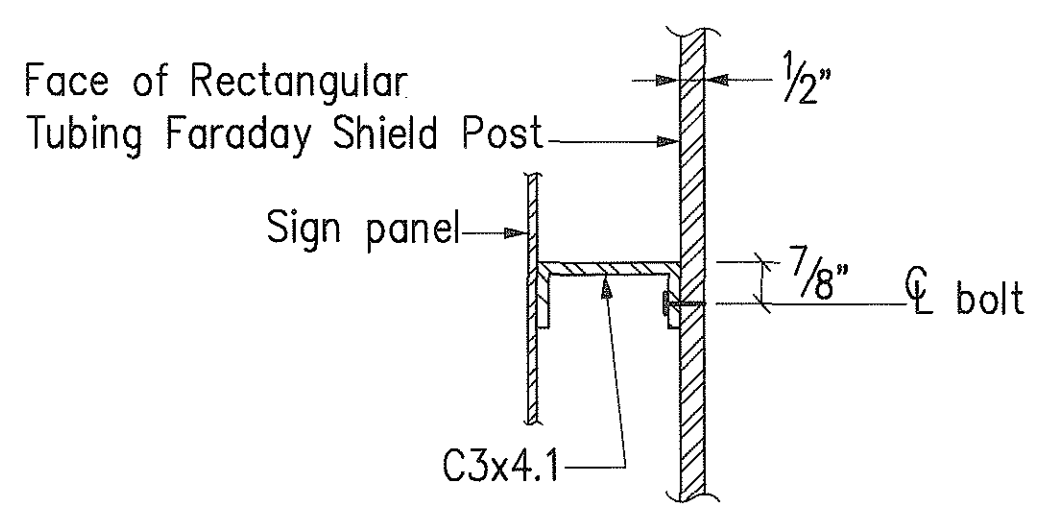
Scale: 1" = 1'-0"

COLORS:
 BORDER: BLACK
 LEGEND: BLACK
 BACKGROUND: YELLOW



NOTE:
 Provide neoprene strip and/or gasket between aluminum and steel contact areas.

SECTION A
 Scale: 3" = 1'-0" SP48 SP48

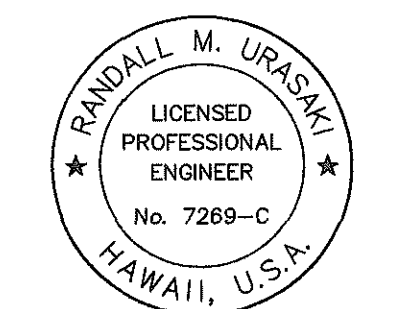


NOTE:
 Drill post and tap holes for bolts to connect channel to post. Damage to galvanization shall be repaired according to Section 501.03(C)(2). Repairing of Damaged Galvanized Coatings.

SECTION B
 Scale: 3" = 1'-0" SP48 SP48

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

GD by J. Minura, 55-52



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Randall M. Uraska

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

**SIGNING & PAVEMENT MARKERS
 MISCELLANEOUS SIGN DETAILS
 & SIGN LAYOUT**

INTERSTATE ROUTE H-3
 FAIP NO. I-H3-1(75), UNIT I

SCALE: AS SHOWN DATE: JANUARY 1996
 SHEET NO. SP48 OF 48 SHEETS

CURVE DATA

CURVE	NORTHING	EASTING	DATA
2027	PC	87788.41	549994.39 Δ = 20°01'09"
	PT	87791.87	549968.02 R = 76.50'
	CC	87864.84	549991.00 LC = 26.59'
	PI	87787.81	549980.90 TAN. = 13.50'
2104	PC	87761.41	549816.57 Δ = 21°40'46"
	PT	87767.33	549722.73 R = 250.00'
	CC	87519.32	549754.18 LC = 94.03'
	PI	87773.36	549770.22 TAN. = 47.87'
2105	PC	87767.33	549722.73 Δ = 155°17'18"
	PT	87753.71	549721.50 R = 7.00'
	CC	87760.39	549723.61 LC = 19.34'
	PI	87763.31	549691.02 TAN. = 31.96'
2870	PC	87705.44	549736.05 Δ = 144°07'02"
	PT	87718.04	549744.05 R = 7.84'
	CC	87710.44	549742.09 LC = 14.92'
	PI	87724.09	549720.61 TAN. = 24.21'
2871	PC	87646.23	549819.68 Δ = 30°08'05"
	PT	87705.44	549736.05 R = 197.08'
	CC	87831.15	549887.83 LC = 102.46'
	PI	87664.58	549769.89 TAN. = 53.06'
3025	PC	87717.07	549705.40 Δ = 5°14'31"
	PT	87694.28	549722.57 R = 312.00'
	CC	87893.29	549962.86 LC = 28.54'
	PI	87705.28	549713.46 TAN. = 14.28'
3026	PC	87694.28	549722.57 Δ = 30°08'04"
	PT	87620.55	549826.71 R = 245.41'
	CC	87850.82	549911.58 LC = 127.59'
	PI	87643.40	549764.72 TAN. = 66.07'
8251	PC	87872.48	549077.23 Δ = 00°58'31"
	PT	87833.34	549225.43 R = 9005.58'
	CC	79146.25	546851.60 LC = 153.28'
	PI	87853.54	549151.50 TAN. = 76.64'

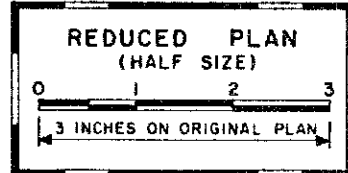
CURVE	NORTHING	EASTING	DATA
8252	PC	87771.45	549427.60 Δ = 34°00'00"
	PT	87767.40	549618.18 R = 326.00'
	CC	88081.11	549529.51 LC = 190.63'
	PI	87740.29	549522.27 TAN. = 99.67'
7421	PC	87815.50	549956.24 Δ = 25°23'55"
	PT	87812.81	549988.40 R = 73.50'
	CC	87885.61	549978.32 LC = 32.32'
	PI	87810.53	549972.04 TAN. = 16.56'
7420	PC	87864.81	549818.08 Δ = 19°16'30"
	PT	87849.78	549847.43 R = 98.50'
	CC	87943.73	549877.03 LC = 32.98'
	PI	87854.80	549831.48 TAN. = 16.73'
7419	PC	87912.80	549723.61 Δ = 49°33'03"
	PT	87903.84	549765.83 R = 51.50'
	CC	87862.58	549735.01 LC = 43.16'
	PI	87918.06	549746.79 TAN. = 23.77'
7418	PC	87899.30	549637.52 Δ = 25°56'19"
	PT	87899.22	549663.78 R = 58.50'
	CC	87956.26	549650.83 LC = 26.26'
	PI	87896.23	549650.64 TAN. = 13.47'
7490	PC	87766.80	550012.81 Δ = 4°00'00"
	PT	87790.23	549946.62 R = 1006.00'
	CC	86830.70	549644.37 LC = 70.22'
	PI	87779.67	549980.12 TAN. = 35.13'
7495	PC	87805.50	550093.65 Δ = 20°35'31"
	PT	87802.11	550119.66 R = 75.00'
	CC	87730.58	550097.13 LC = 26.81'
	PI	87806.12	550106.96 TAN. = 13.62'

CURVE	NORTHING	EASTING	DATA
7496	PC	87805.50	550093.65 Δ = 20°08'31"
	PT	87802.11	550119.66 R = 75.00'
	CC	87730.58	550097.13 LC = 26.23'
	PI	87806.12	550106.96 TAN. = 13.32'
7497	PC	87870.44	549740.10 Δ = 10°00'00"
	PT	87862.90	549774.14 R = 200.00'
	CC	87672.14	549714.05 LC = 34.86'
	PI	87868.16	549757.45 TAN. = 17.50'
7498	PC	87884.00	549661.25 Δ = 5°39'46"
	PT	87872.50	549724.43 R = 650.00'
	CC	88516.96	549809.10 LC = 64.22'
	PI	87876.69	549692.56 TAN. = 32.15'
8403	PC	87742.88	549823.34 Δ = 26°38'48"
	PT	87742.67	549833.48 R = 22.00'
	CC	87721.37	549827.98 LC = 10.14'
	PI	87743.97	549828.43 TAN. = 5.21'
8420	PC	87700.34	549729.89 Δ = 30°08'05"
	PT	87638.73	549816.91 R = 205.08'
	CC	87831.15	549887.83 LC = 106.62'
	PI	87657.82	549765.11 TAN. = 55.21'
2114	PC	87752.17	549835.26 Δ = 26°34'47"
	PT	87752.46	549820.55 R = 32.00'
	CC	87721.18	549827.30 LC = 14.71'
	PI	87754.06	549827.94 TAN. = 7.56'
2115	PC	87746.12	549791.12 Δ = 119°38'48"
	PT	87748.67	549788.79 R = 2.00'
	CC	87748.07	549790.70 LC = 3.46'
	PI	87745.39	549787.75 TAN. = 3.44'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75) UNIT I	1996	191	405

NOTES:

- SEE NOTE ON SHEET NO. 5C1.
- FOR GEOMETRIC DATA OF INBOUND AND OUTBOUND GCL, SEE GENERAL PLAN AND PROFILE SHEET NO. 5C2.
- FOR DEVELOPMENT OF AREA UNDER THE OUTBOUND VIADUCT, SEE SHEET NOS. 5C24, 5C25 & 5C26.
- FOR TYPICAL ROADWAY SECTIONS, SEE SHEET NOS. 5C11 & 5C12.

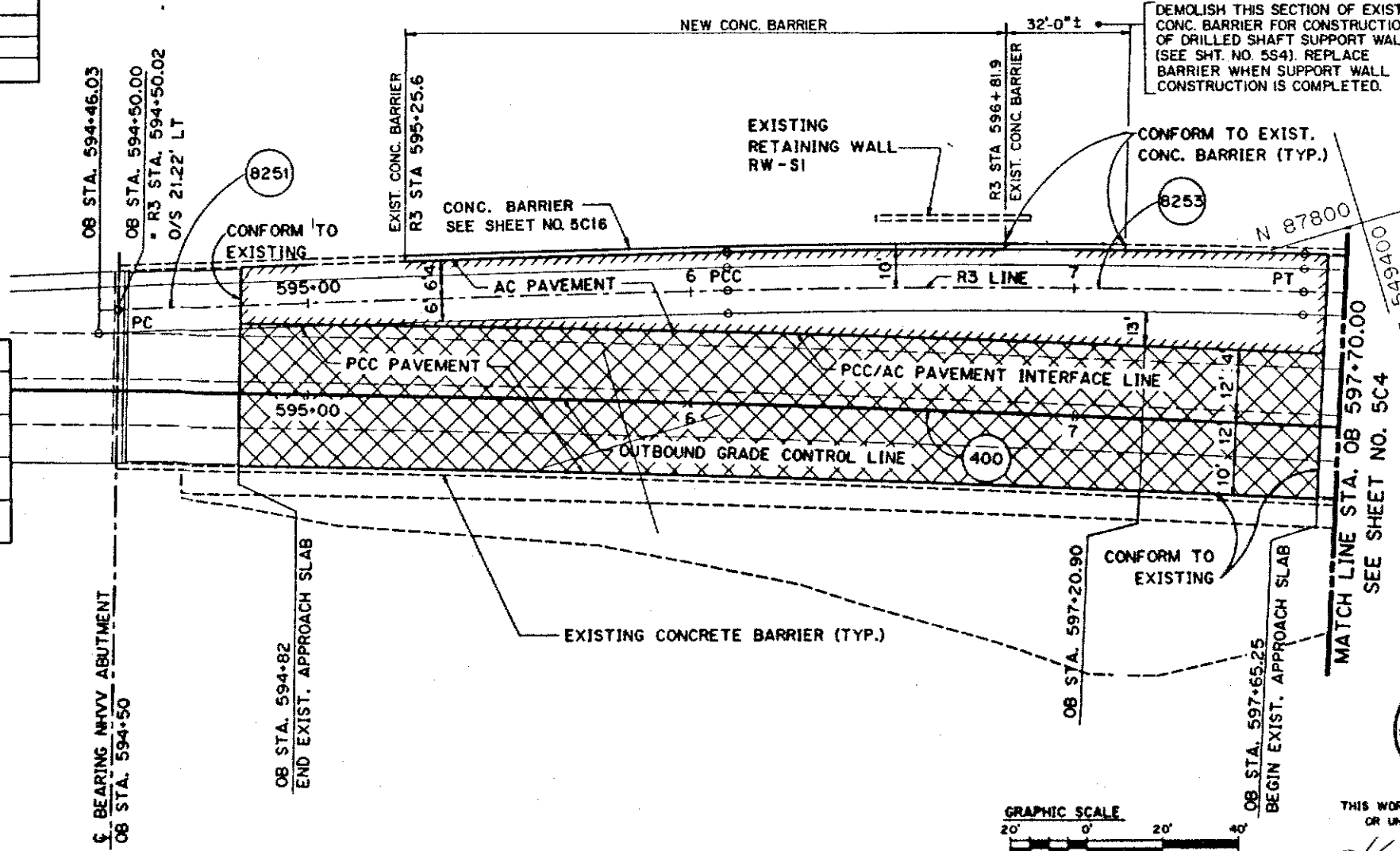


CURVE DATA

CURVE	NORTHING	EASTING	DATA
8223	PC	87857.72	549523.41 Δ = 36°09'47"
	PT	87729.90	549680.29 R = 326.00'
	CC	87553.55	549406.10 LC = 202.36'
	PI	87819.42	549622.71 TAN. = 106.44'
8224	PC	87716.95	549688.67 Δ = 37°01'11"
	PT	87587.41	549850.12 R = 326.00'
	CC	87893.29	549962.86 LC = 206.99'
	PI	87625.15	549747.71 TAN. = 109.14'
8455	PC	87743.12	549699.81 Δ = 10°02'34"
	PT	87700.34	549729.89 R = 302.50'
	CC	87893.29	549962.86 LC = 52.95'
	PI	87720.81	549712.94 TAN. = 26.58'
8253	PC	87833.34	549225.43 Δ = 02°55'59"
	PT	87783.63	549390.58 R = 3369.69'
	CC	84582.82	548337.19 LC = 172.47'
	PI	87810.60	549308.64 TAN. = 86.27'
8254	PC	87769.48	549625.53 Δ = 30°16'05"
	PT	87771.58	549811.40 R = 356.00'
	CC	87426.90	549722.36 LC = 185.89'
	PI	87795.67	549718.18 TAN. = 96.28'
8277	PC	87807.80	549593.75 Δ = 10°02'43"
	PT	87802.01	549600.31 R = 50.00'
	CC	87767.57	549564.06 LC = 8.76'
	PI	87805.19	549597.29 TAN. = 4.39'
8278	PC	87802.01	549600.31 Δ = 28°10'46"
	PT	87780.81	549612.28 R = 50.00'
	CC	87767.57	549564.06 LC = 24.34'
	PI	87792.91	549608.96 TAN. = 12.55'

WORK POINT DATA

WORK PT. NO.	STATION	ELEVATION	COORDINATES
OUTBOUND PORTAL	OB 604+35	1036.60	N 87521.43 E 550003.11
INBOUND PORTAL	IB 606+20	1039.88	N 87675.09 E 550215.61
CONTROL BUILDING	IB 602+48.88 O/S RT. 73.96	1050.50 LEVEL 2	N 87716.05 E 549839.42
EXPLORTORY TUNNEL	OB 602+91.51 O/S LT 68.89'	1006.26	N 87635.70 E 549890.30



DEMOLISH THIS SECTION OF EXIST. CONC. BARRIER FOR CONSTRUCTION OF DRILLED SHAFT SUPPORT WALL (SEE SHT. NO. 5S4). REPLACE BARRIER WHEN SUPPORT WALL CONSTRUCTION IS COMPLETED.

CONFORM TO EXIST. CONC. BARRIER (TYP.)

CONFORM TO EXISTING

MATCH LINE STA. OB 597+70.00 SEE SHEET NO. 5C4

REFERENCE PLAN-CONTENTS FOR CONTRACT INTERFACE INFORMATION ONLY.

DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAY DIVISION

**SITE PLAN
GEOMETRY - 1**

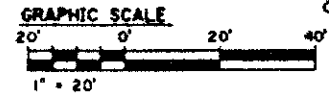
HALAWA SITE FINISHES
H-3 FINISH (UNIT III)
FAIP NO. I-H3-1(75), UNIT III
T.K. TUNNEL / ACCESS ROADS

SCALE: 1"=20' DATE: JUN 1995



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Kenneth K.O. Wong



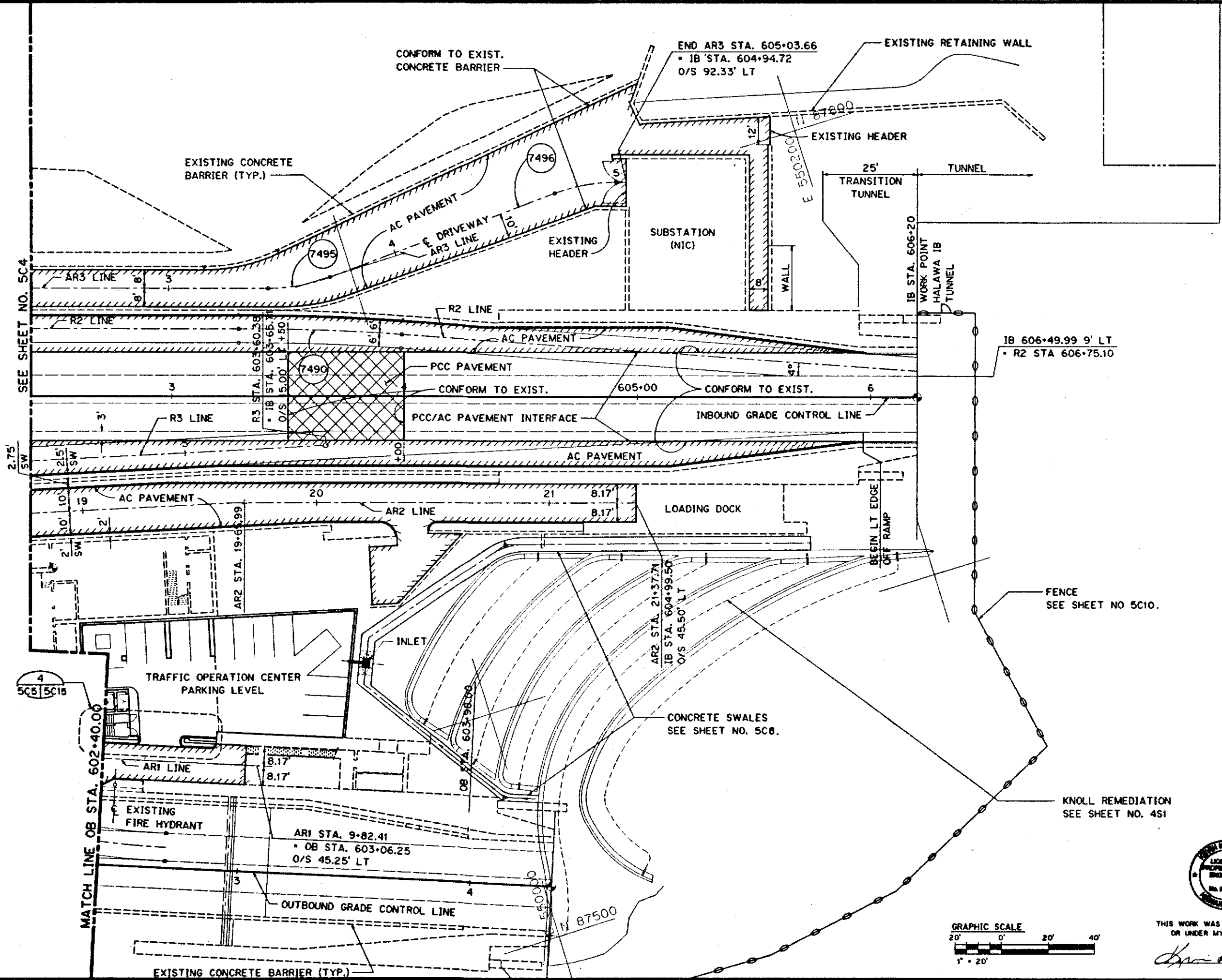
DATE	BY	REVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75) UNIT I	1996	193	405



NOTES:

1. SEE NOTES ON SHEET NOS. 5C3.
2. FOR CURVE DATA SEE SHEET NO. 5C3.



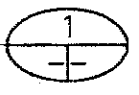
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-H3-1(75) UNIT 1	1996	194	405

CURVE DATA

CURVE	DATA
(R1)	$\Delta = 33^\circ 22' 28''$ R = 306.00' LC = 178.24' TAN = 91.73'
(R2)	$\Delta = 41^\circ 23' 20''$ R = 306.00' LC = 221.04' TAN = 115.59'
(R3)	$\Delta = 27^\circ 17' 4''$ R = 306.00' LC = 145.72' TAN = 74.27'
(R4)	$\Delta = 34^\circ 55' 38''$ R = 306.00' LC = 186.54' TAN = 96.27'

PAVEMENT MARKER ARROW DETAIL

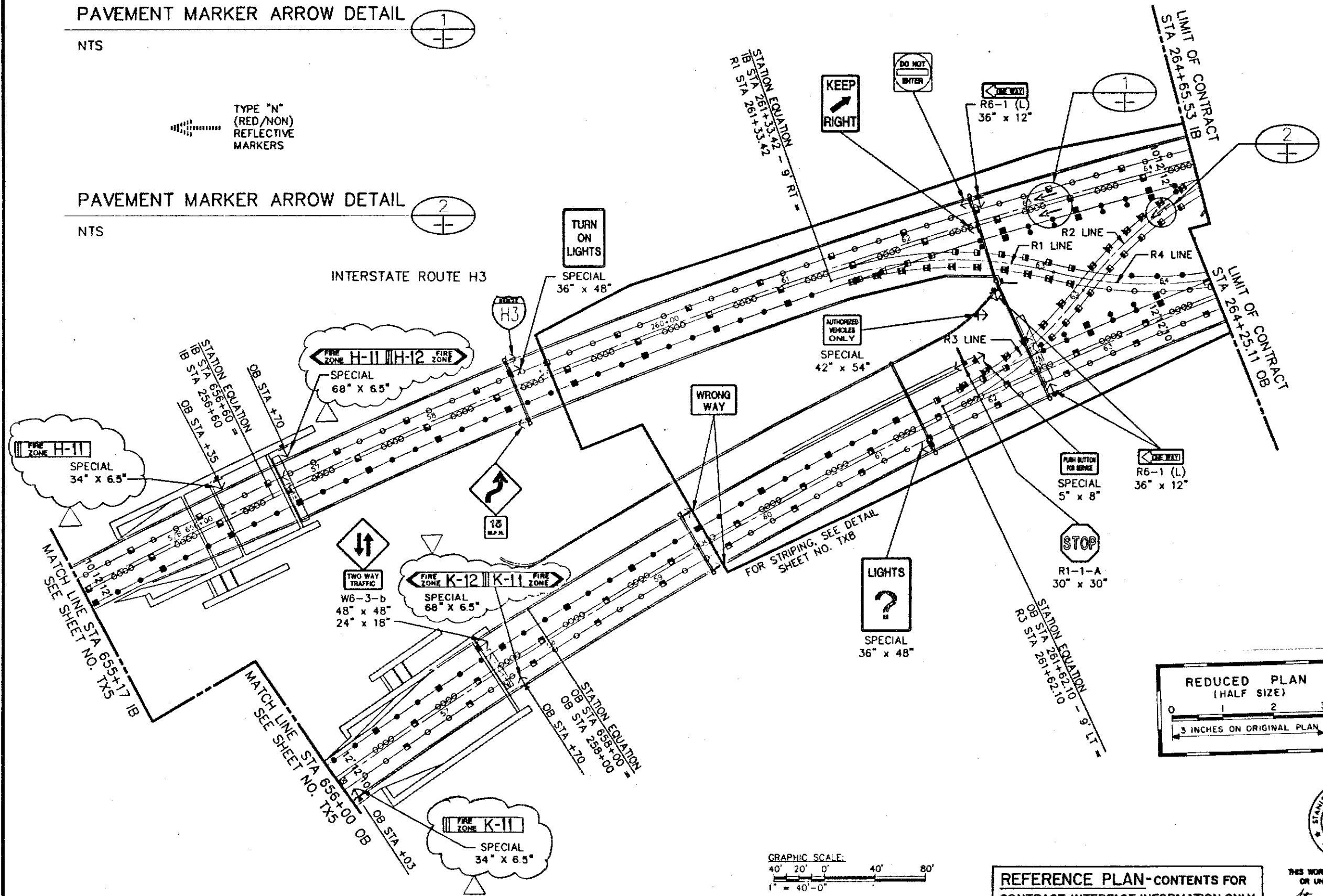
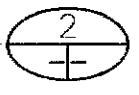
NTS



TYPE "N" (RED/NON) REFLECTIVE MARKERS

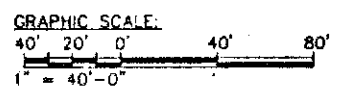
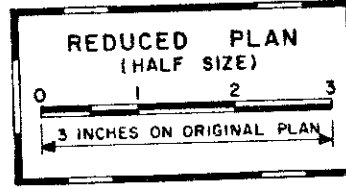
PAVEMENT MARKER ARROW DETAIL

NTS

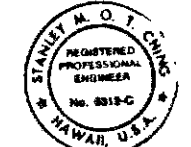


NOTES:

1. WORK IN THIS CONTRACT IS SHOWN BY SOLID LINES.
2. WORK IN PREVIOUS CONTRACTS IS SHOWN BY SCREENED DELINEATION.
3. FOR LEGEND, SEE SHEET NO. TX1.
4. FOR PAVEMENT MARKER DETAILS, SEE SHEET NO. TX9.
5. FOR SIGNING DETAILS, SEE SHEET NO. TX10 & TX11.
6. FOR SIGN MOUNTING DETAILS, SEE SHEET NO. TX12.
7. FIRE ZONE SIGNS ARE VIEWED AS INSTALLED.



REFERENCE PLAN-CONTENTS FOR CONTRACT INTERFACE INFORMATION ONLY.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Stanley M. O. T. Chang

DATE	1/14/94	REVISION	REV. FIRE ZONE SIGNS PER DCN 66-028
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HONOLULU DIVISION			
HAIKU CROSSOVER PLAN			
SIGNING & STRIPING INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(66)			
SCALE:	1" = 40'-0"	DATE:	APR 1992
SHEET NO. TX6 OF 12 SHEETS			

DATE	12/22/91	12/22/91	12/22/91
DESIGNED BY	N. YEAN	12/28/91	
INTERNOE			
CHECKED BY	D. MCCORMACK		