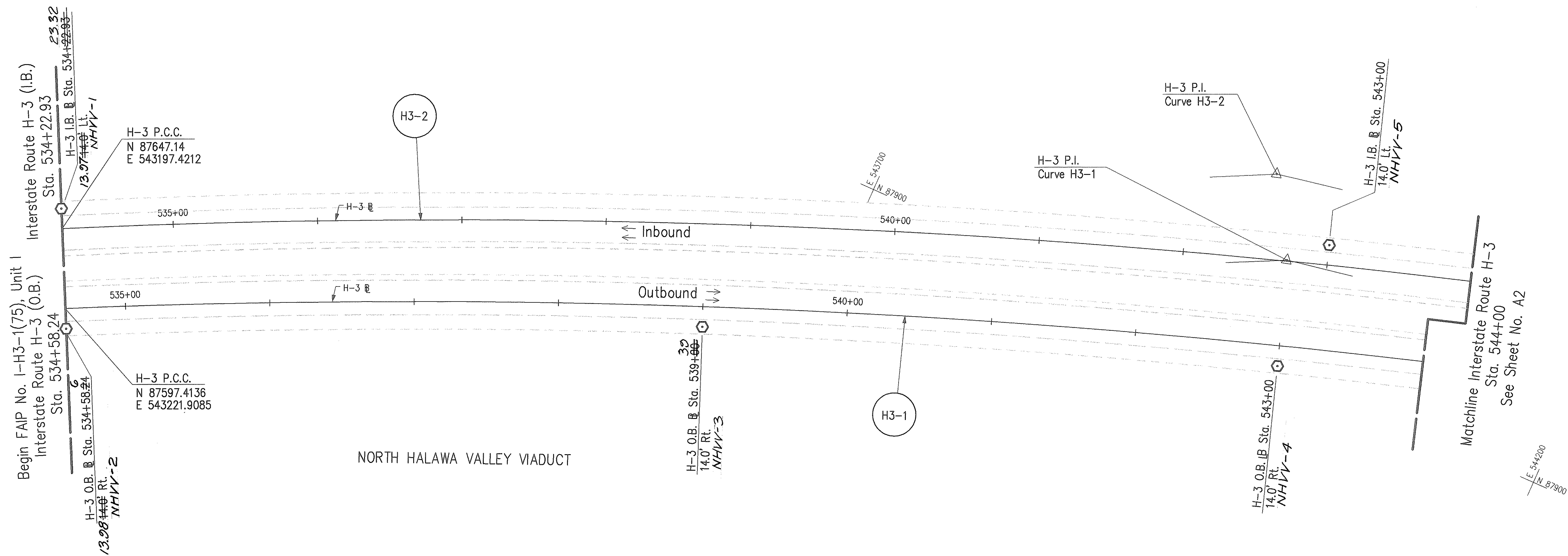


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	9	405

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-1	5982.75'	1681.98'	846.57'	1676.45'	16°06'29"	N 87971.39	E 543981.40
H3-2	5924.49'	1672.69'	841.95'	1667.14'	16°10'36"	N 88023.18	E 543950.72

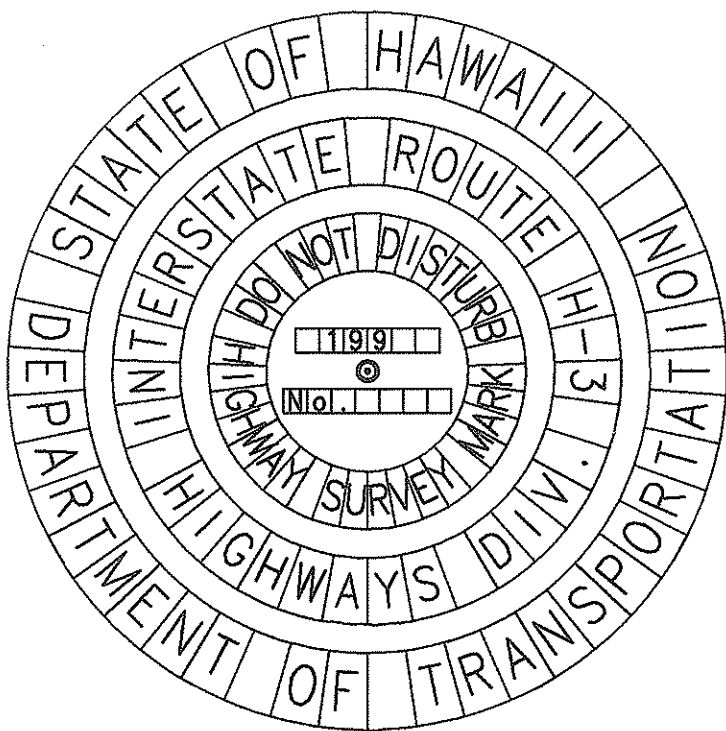


LEGEND:

- Reference Survey Monument
- Street Survey Monument in AC pavement.

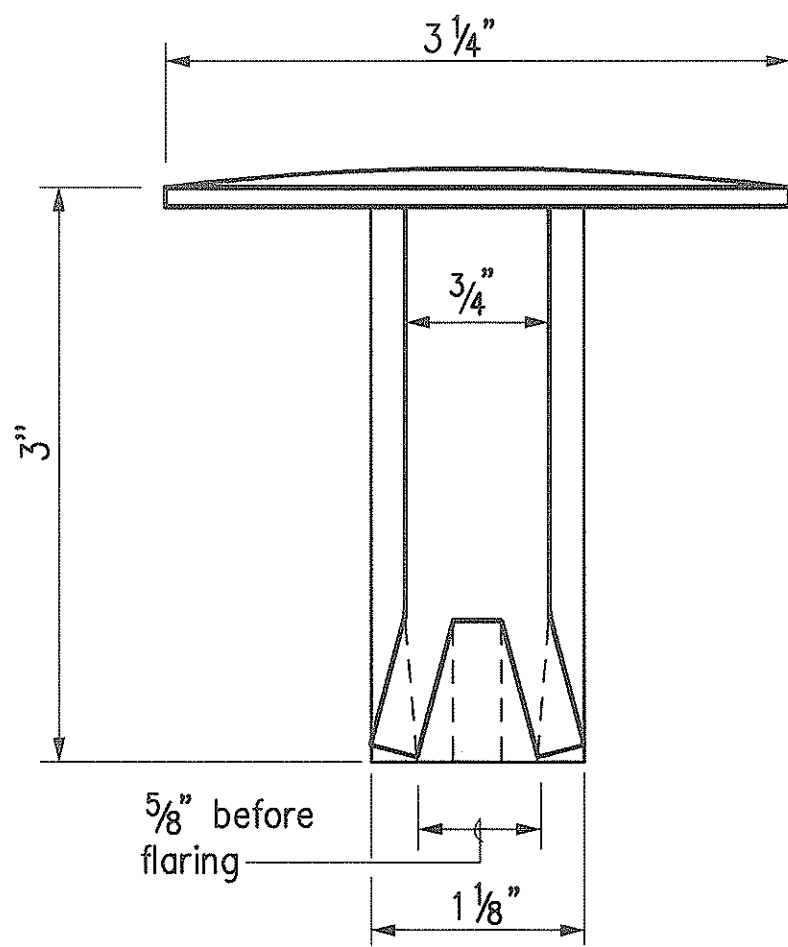
NOTES:

- For Reference Survey Monuments in concrete structure use Bronze Concrete Marker shown at right. Drill 1/8"x3" deep hole into existing concrete structure for marker installation. Fill with two part epoxy as recommended by the manufacturer. Install Bronze Concrete Marker so that bottom of Marker head is flush with top of deck. Flare marker stem before installing.
- Street Survey Monuments in AC pavement similar to detail on Standard Plan D-7 except Bronze Concrete Marker shown at right shall be used in lieu of brass pin. Set marker flush with top of 3" I.D. concrete filled galvanized pipe. Flare marker stem before installing.
- Leeward side coordinates are based on the "Salt Lake Trig. Station". Windward side coordinates are based on the "Kailua Trig. Station".

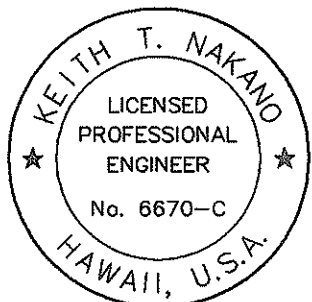


PLAN

BRONZE CONCRETE MARKER
N.T.S.



ELEVATION



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

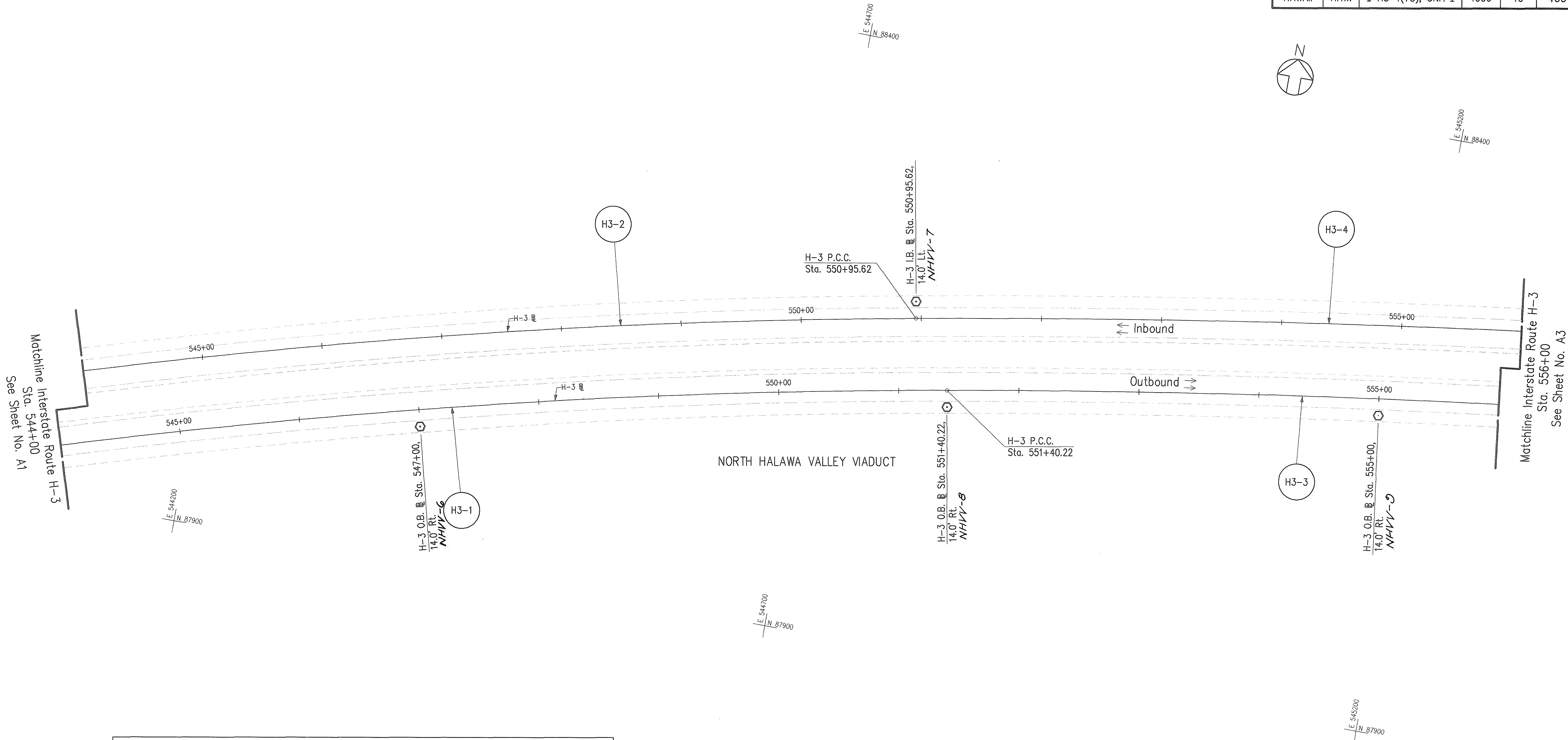
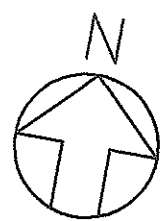
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A1 OF 46 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	10	405

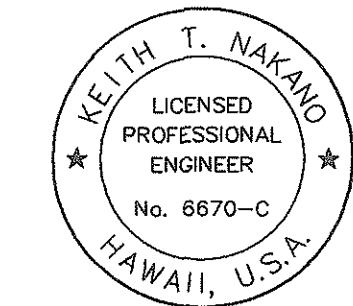


CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-1	5982.75'	1681.98'	846.57'	1676.45'	16°06'29"	N 87971.39	E 543981.40
H3-2	5924.49'	1672.69'	841.95'	1667.14'	16°10'36"	N 88023.18	E 543950.72
H3-3	9000.00'	4765.88'	2440.23'	4710.39'	30°20'26"	N 88548.24	E 547217.20
H3-4	10000.00'	4858.28'	2478.08'	4810.64'	27°50'09"	N 88619.74	E 547216.70

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

CAD by O.D. TRUONG 58-52

Last Saved: J:\H3RF\UI\ALIGN\H3AL-20.dwg 02/21/96 at 11:44



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

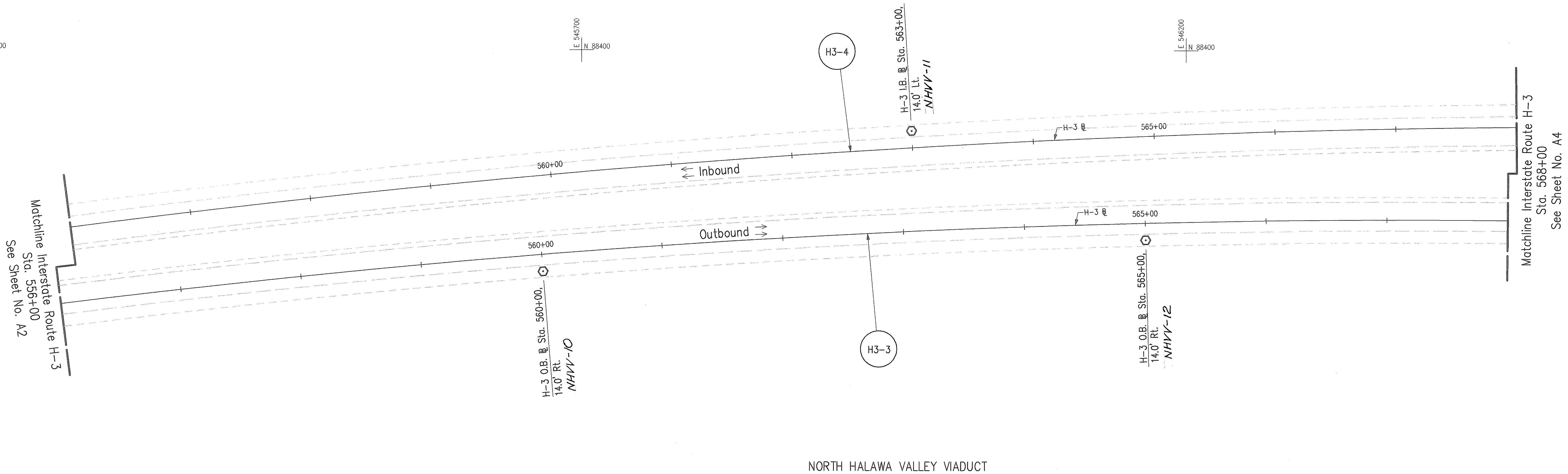
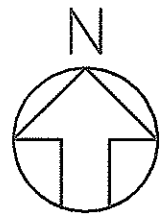
Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A2 OF 46 SHEETS

"AS-BUILT"
10

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



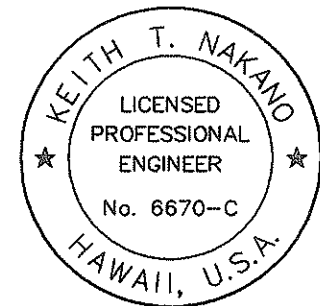
NORTH HALAWA VALLEY VIADUCT

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-3	9000.00'	4765.88'	2440.23'	4710.39'	30°20'26"	N 88548.24	E 547217.20
H3-4	10000.00'	4858.28'	2478.08'	4810.64'	27°50'09"	N 88619.74	E 547216.70

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

E 545200
N 87900

E 545700
N 87900



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

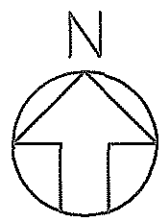
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A3 OF 46 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	12	405

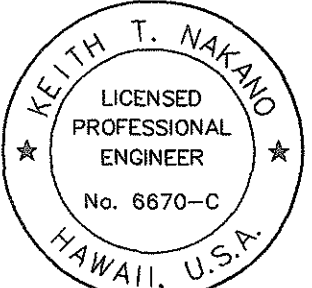


Matchline Interstate Route H-3
Sta. 568+00
See Sheet No. A3

Matchline Interstate Route H-3
Sta. 580+00
See Sheet No. A5

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-3	9000.00'	4765.88'	2440.23'	4710.39'	30°20'26"	N 88548.24 E 547217.20
H3-4	10000.00'	4858.28'	2478.08'	4810.64'	27°50'09"	N 88619.74 E 547216.70

NORTH HALAWA VALLEY VIADUCT



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

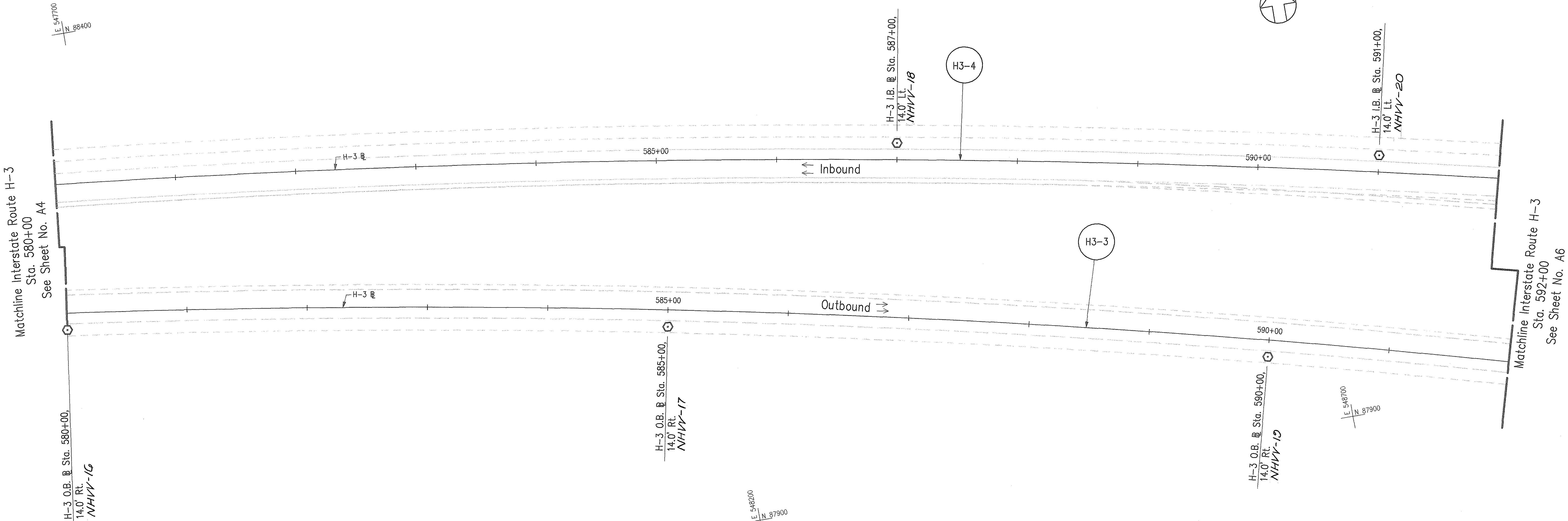
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A4 OF 46 SHEETS

"AS-BUILT"

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

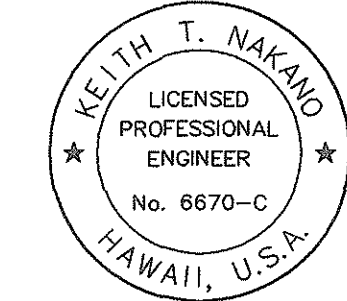
CAD by G.D. TRUONG 55-52

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	13	405



NORTH HALAWA VALLEY VIADUCT

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-3	9000.00'	4765.88'	2440.23'	4710.39'	30°20'26"	N 88548.24	E 547217.20
H3-4	10000.00'	4858.28'	2478.08'	4810.64'	27°50'09"	N 88619.74	E 547216.70



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

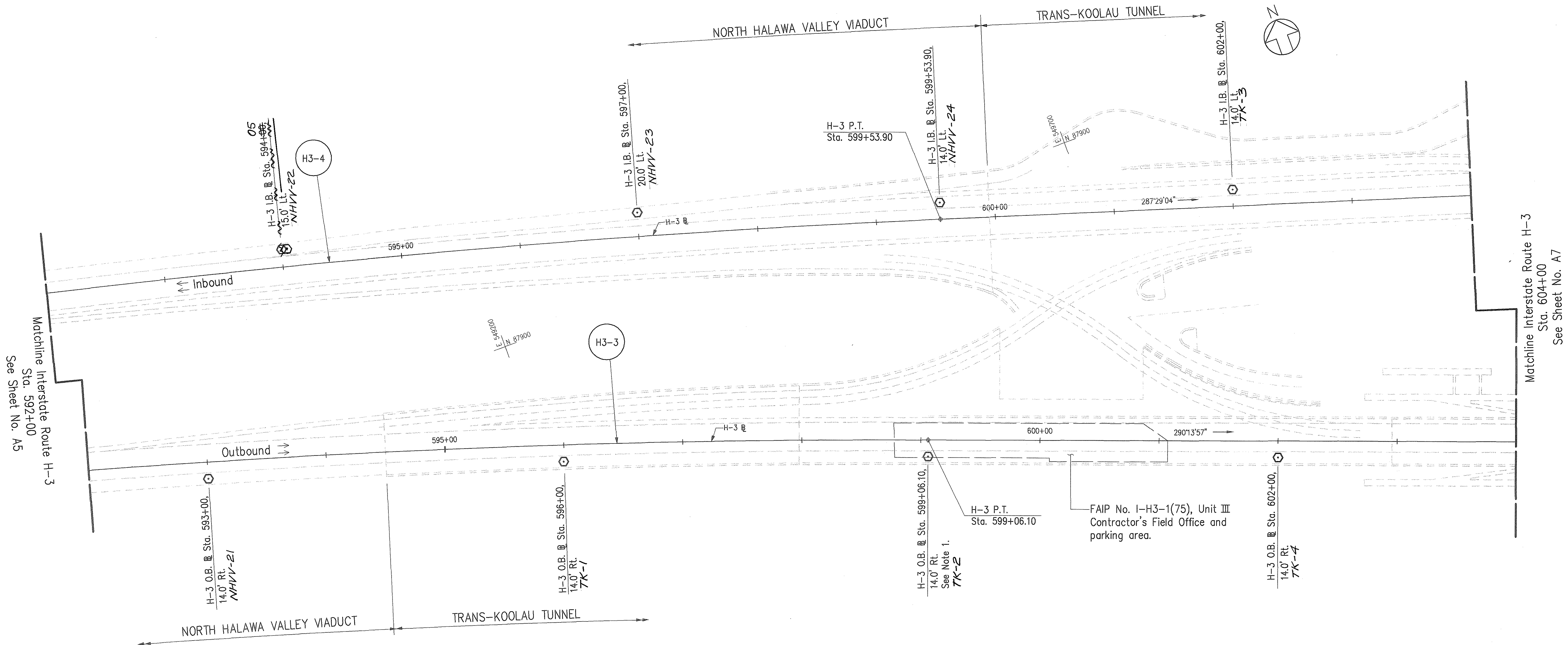
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A5 OF 46 SHEETS

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

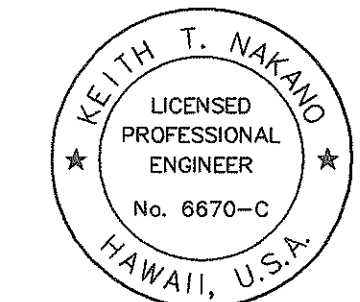
CAO by OLD TRUONG 55-92

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	14	405



CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-3	9000.00'	4765.88'	2440.23'	4710.39'	30°20'26"	N 88548.24 E 547217.20
H3-4	10000.00'	4858.28'	2478.08'	4810.64'	27°50'09"	N 88619.74 E 547216.70

- NOTE:
- The Contractor shall not schedule installation of survey monument at H-3 O.B. Sta. 599+06.10 until FAIP No. I-H3-1(75), Unit III Contractor removes the field office; May 1, 1997.
 - ALL TRANS-KOOLAU TUNNEL MONUMENTS WERE CHANGED FROM 19.5' O/S BASELINE TO 6" O/S FROM BASE OF CONCRETE RAILING.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

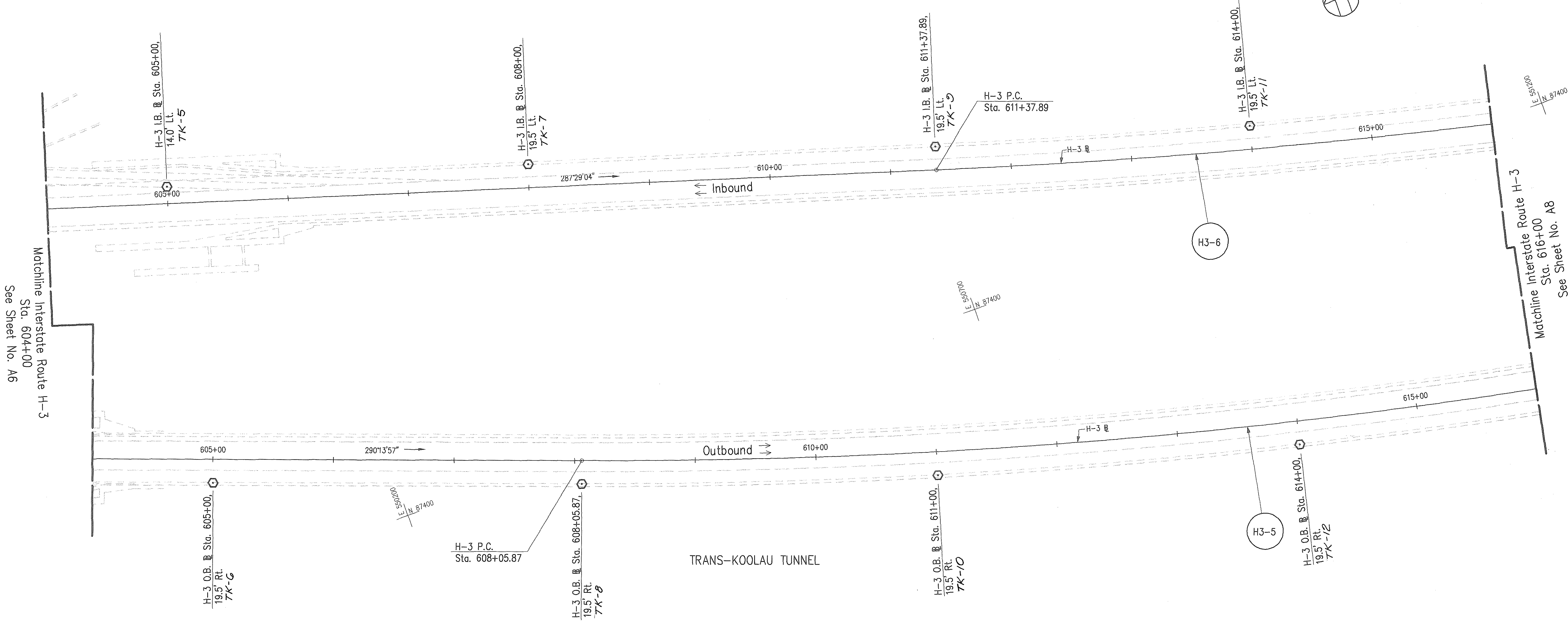
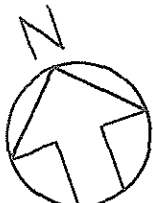
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A6 OF 46 SHEETS

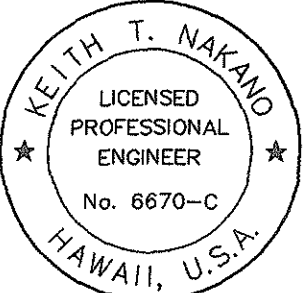
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

CAD by G.D. THONG, 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	15	405



CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-5	5000.00'	1853.10'	937.31'	1842.51'	21°14'06"	N 87069.02 E 551230.59
H3-6	6000.00'	2448.35'	1241.45'	2431.40'	23°22'48"	N 87146.49 E 551893.68



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A7 OF 46 SHEETS

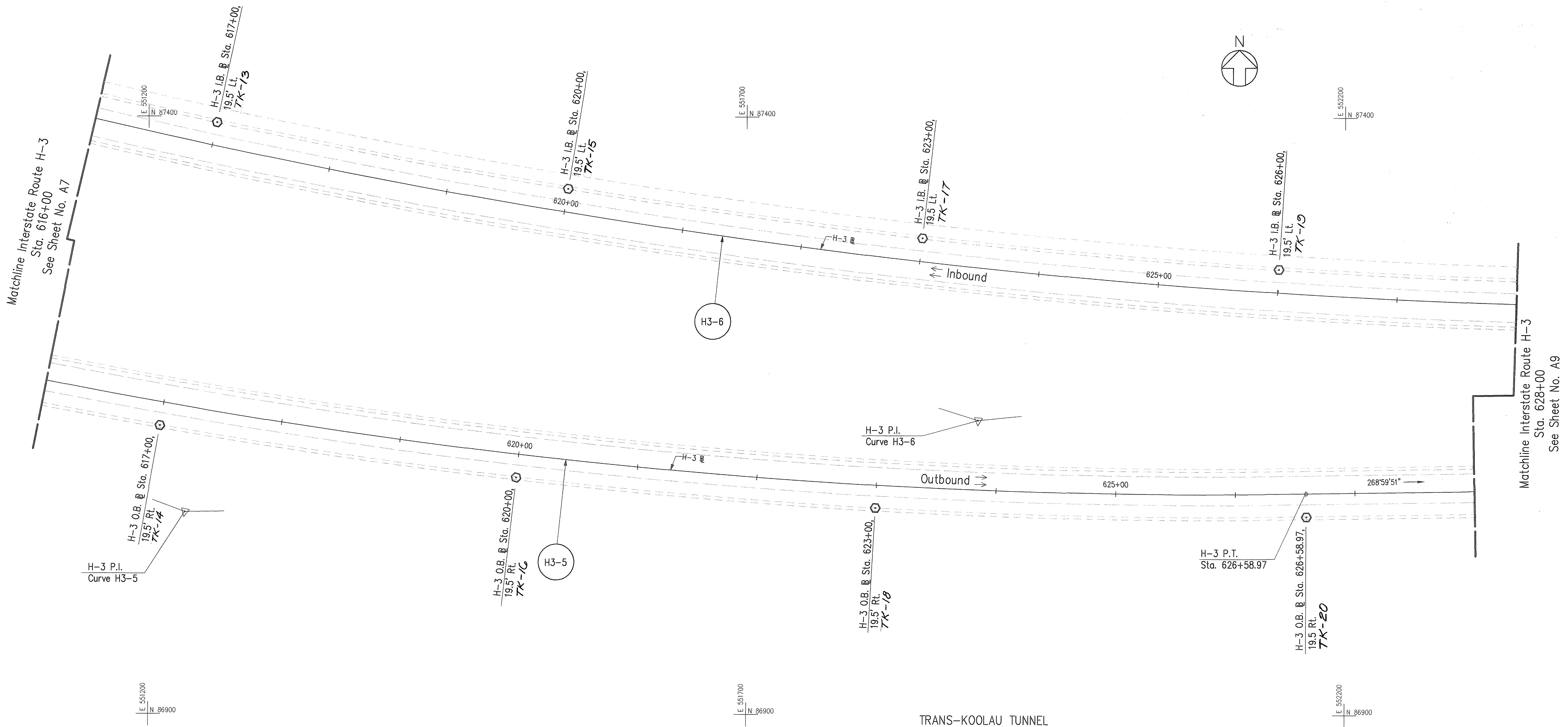
ORIGINAL
PLAN
NOTE BOOK
No. _____

SURVEY PLOTTED BY _____
DRAWN BY _____
TRACED BY _____
DESIGNED BY _____
CHECKED BY _____

DATE _____

CAD by Q.D. TRUONG, SS-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	16	405

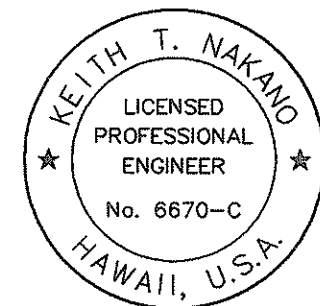


CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-5	5000.00'	1853.10'	937.31'	1842.51'	21°14'06"	N 87069.02	E 551230.59
H3-6	6000.00'	2448.35'	1241.45'	2431.40'	23°22'48"	N 87146.49	E 551893.68

ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

CAD by O.D. TRUNG 59-52

Last Saved: J:\H3RF\11\ALIGN\H3A1-26.dwg 02/22/96 at 09:36



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

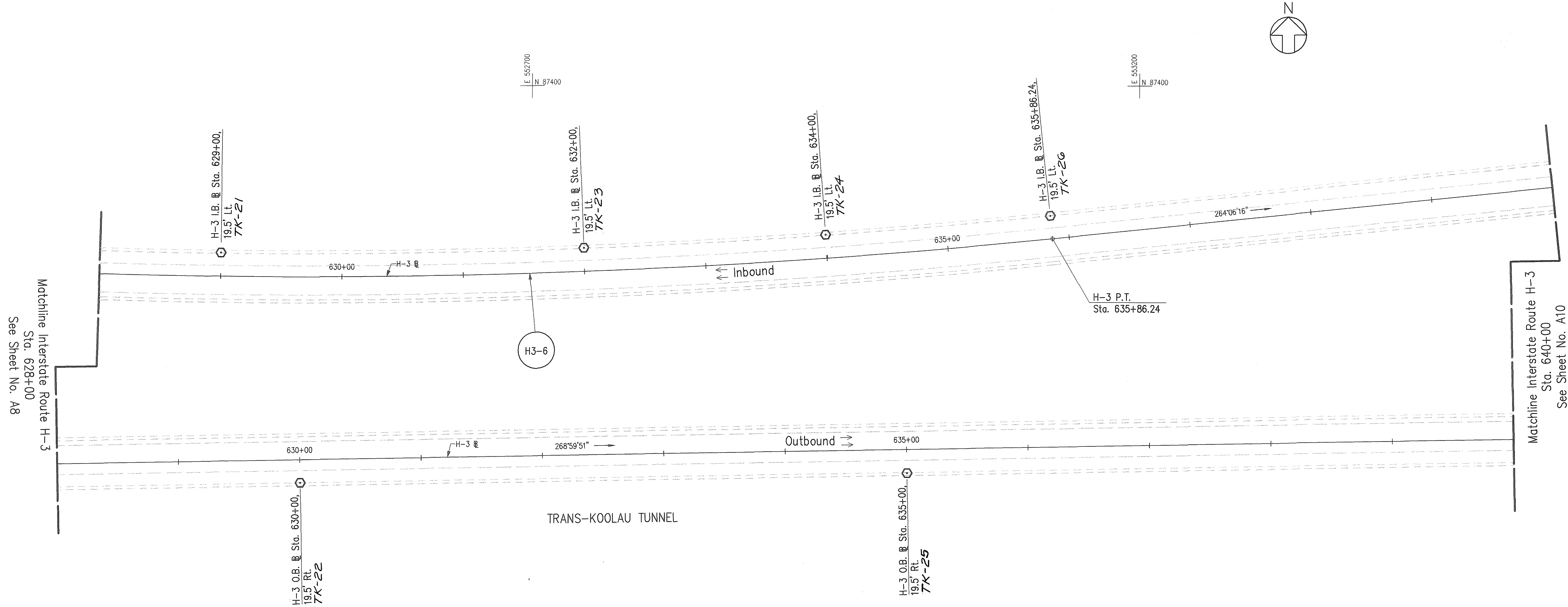
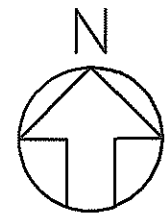
Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A8 OF 46 SHEETS

"AS-BUILT"

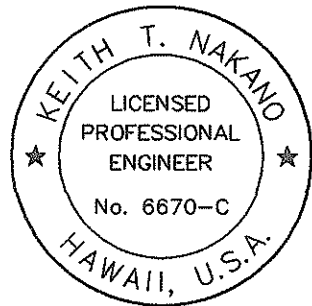
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	17	405



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

CAD by G.D. TRUONG, 55-52

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-6	6000.00'	2448.35'	1241.45'	2431.40'	23°22'48"	N 87146.49 E 551893.68



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

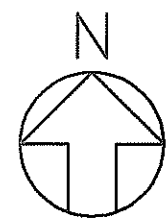
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A9 OF 46 SHEETS

"AS-BUILT"

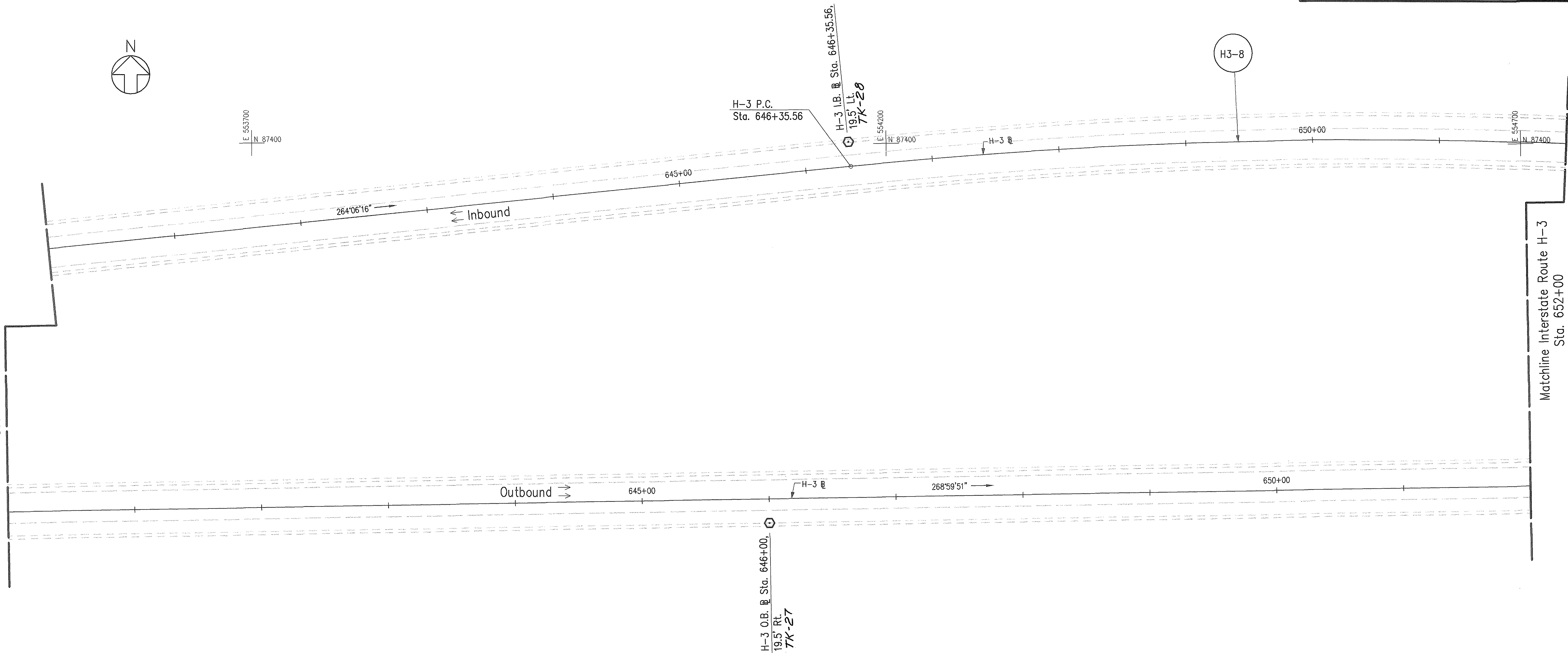
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	18	405



H3-8

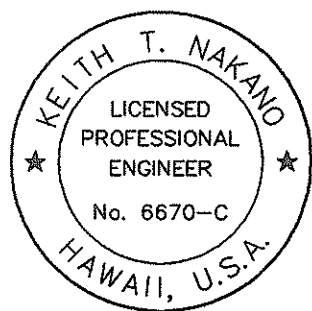
Matchline Interstate Route H-3
Sta. 640+00
See Sheet No. A9

Matchline Interstate Route H-3
Sta. 652+00
See Sheet No. A11



TRANS-KOOLAU TUNNEL

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-8	4000.00'	2005.65'	1024.38'	1984.71'	28°43'44"	N 87487.02 E 555191.28



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

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

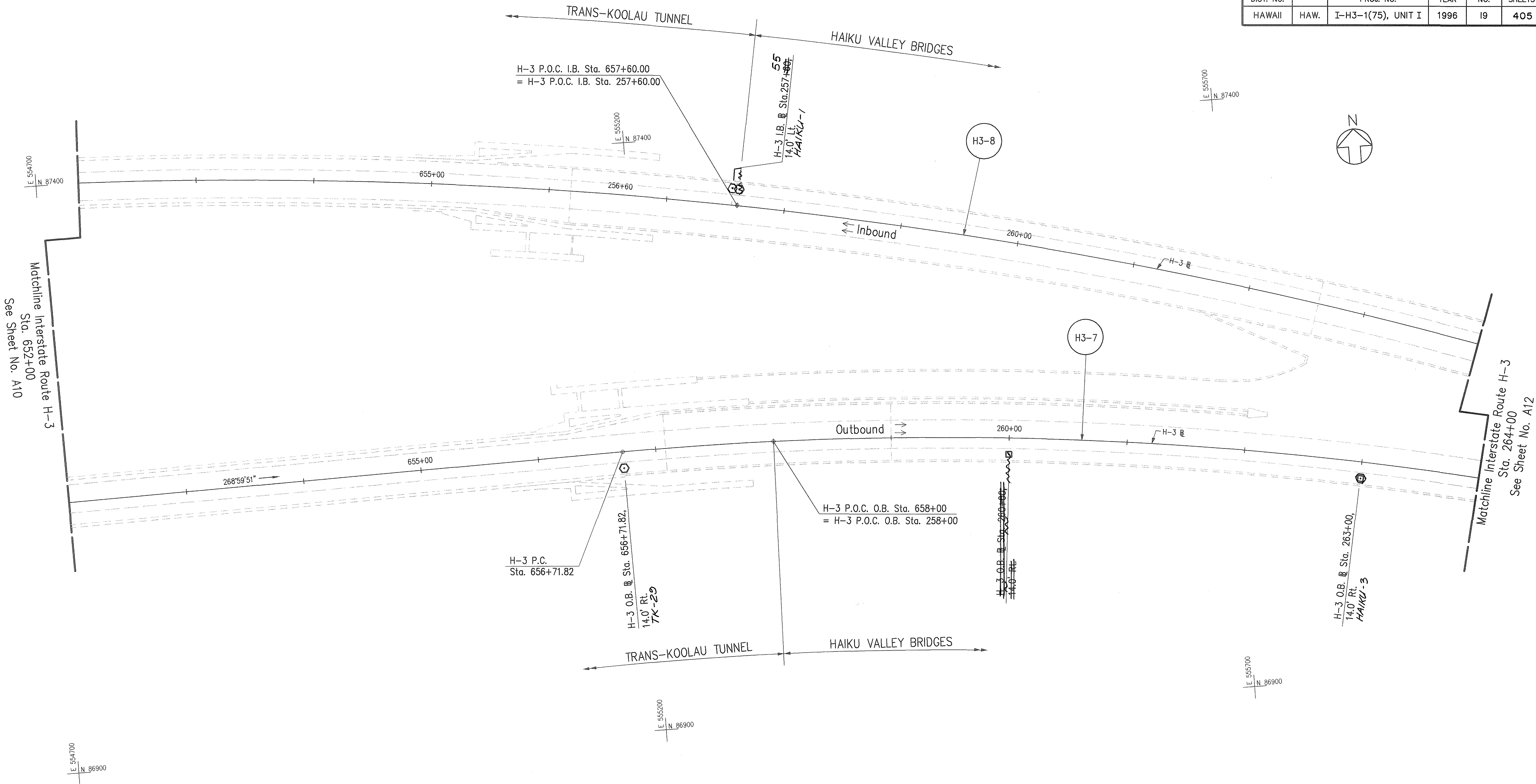
SHEET NO. A10 OF 46 SHEETS

"AS-BUILT"

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

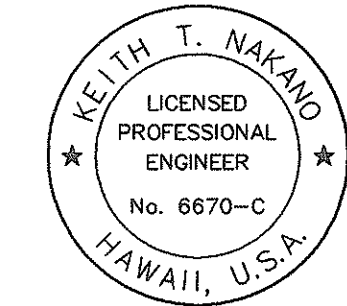
CAD by O.D. TRUONG, SS-52

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	19	405



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

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-7	3000.00'	1248.04'	633.18'	1239.06'	23°50'09"	N 87149.21	E 555813.22
H3-8	4000.00'	2005.65'	1024.38'	1984.71'	28°43'44"	N 87487.02	E 555191.28



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

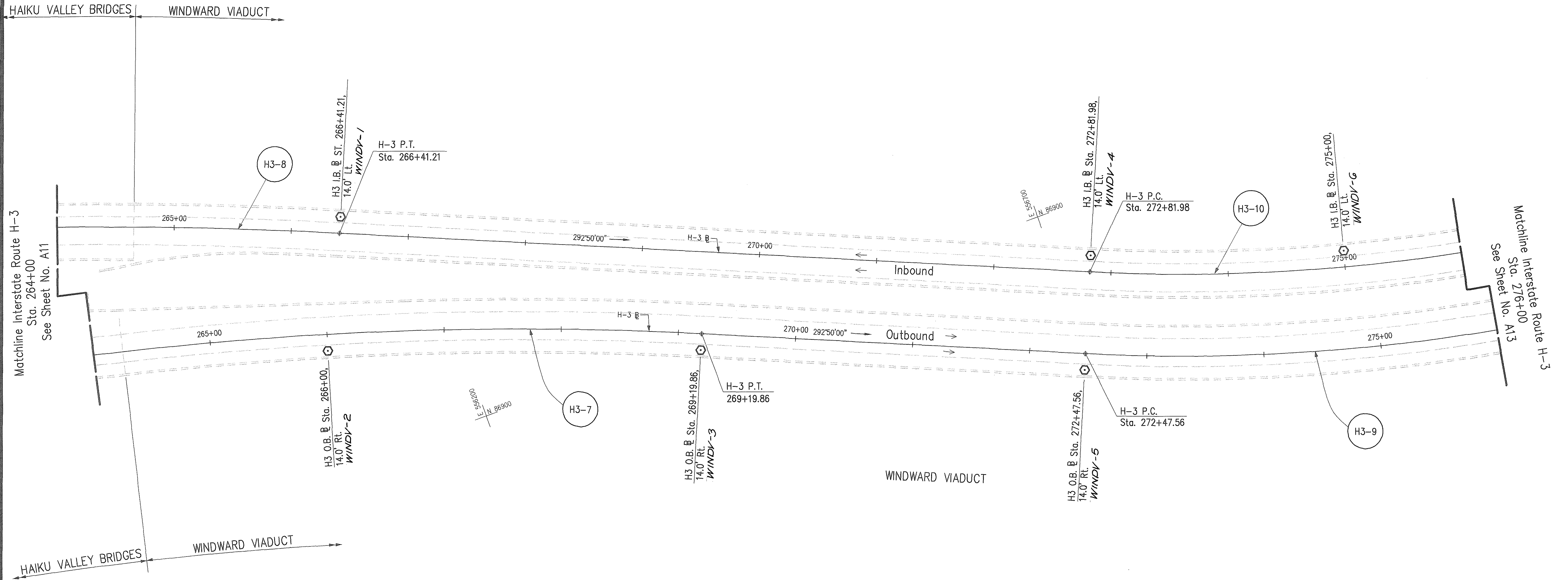
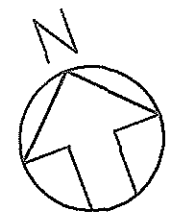
Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40'
SHEET NO. A11 OF 46 SHEETS

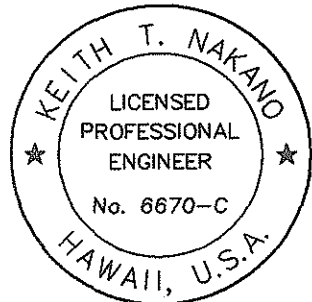
DATE: JANUARY 1996

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	20	405



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

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-7	3000.00'	1248.04'	633.18'	1239.06'	23°50'09"	N 87149.21	E 555813.22
H3-8	4000.00'	2005.65'	1024.38'	1984.71'	28°43'44"	N 87487.01	E 555191.29
H3-9	1610.00'	1662.77'	914.12'	1589.85'	59°10'25"	N 86421.61	E 557541.29
H3-10	1540.00'	1590.48'	874.38'	1520.73'	59°10'26"	N 86501.54	E 557531.81



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

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

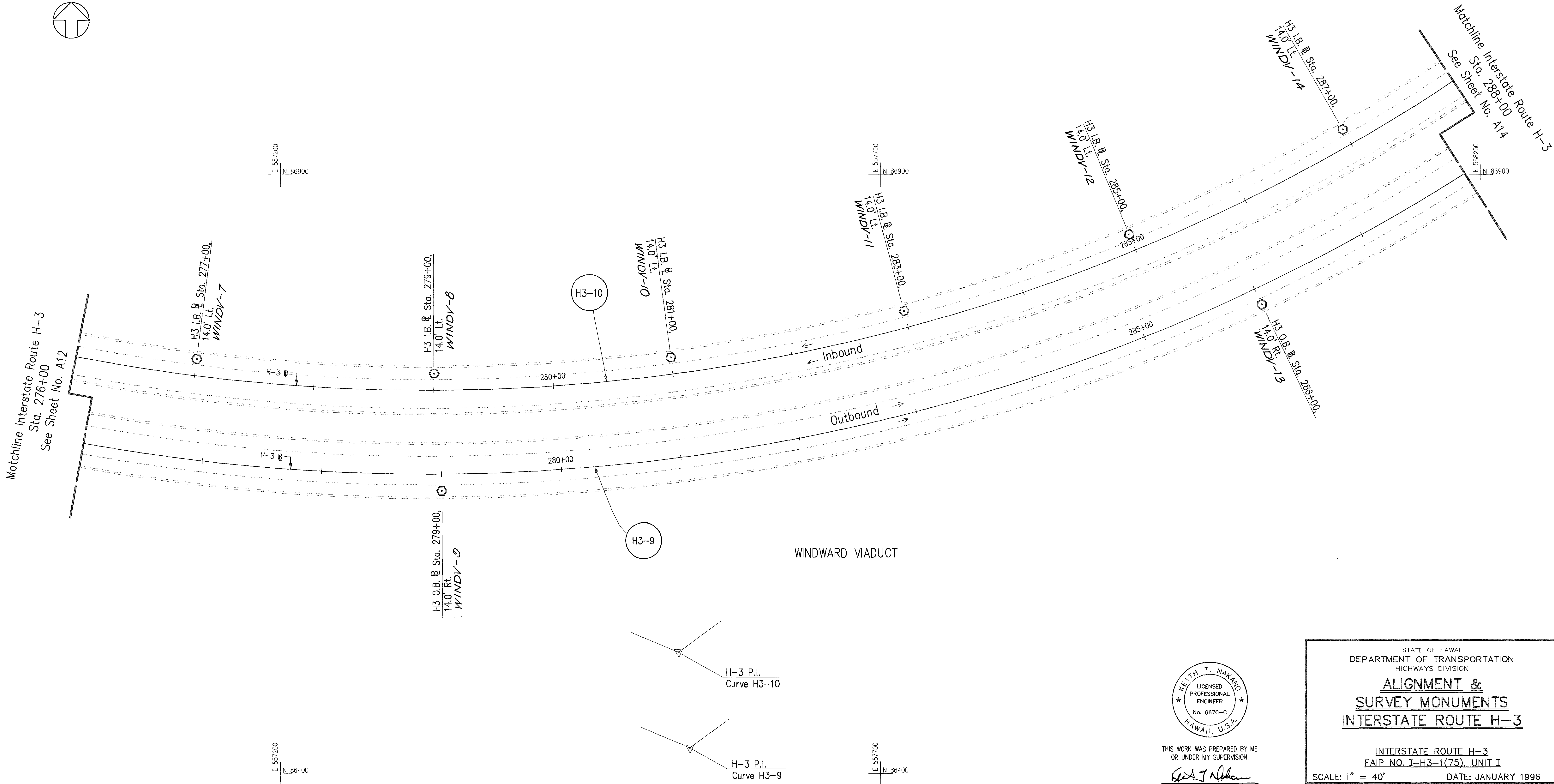
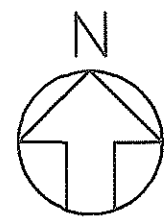
SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A12 OF 46 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	21	405

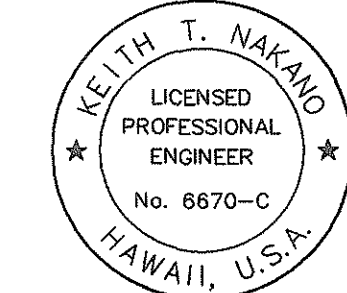
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-9	1610.00'	1662.77'	914.12'	1589.85'	59°10'25"	N 86421.61	E 557541.29
H3-10	1540.00'	1590.48'	874.38'	1520.73'	59°10'26"	N 86501.54	E 557531.81



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

CAD by O.D. TRUONG, SS-52

Last Saved: J:\H3RP\01\ALIGN\H3ALI-31.dwg 02/22/96 at 10:13

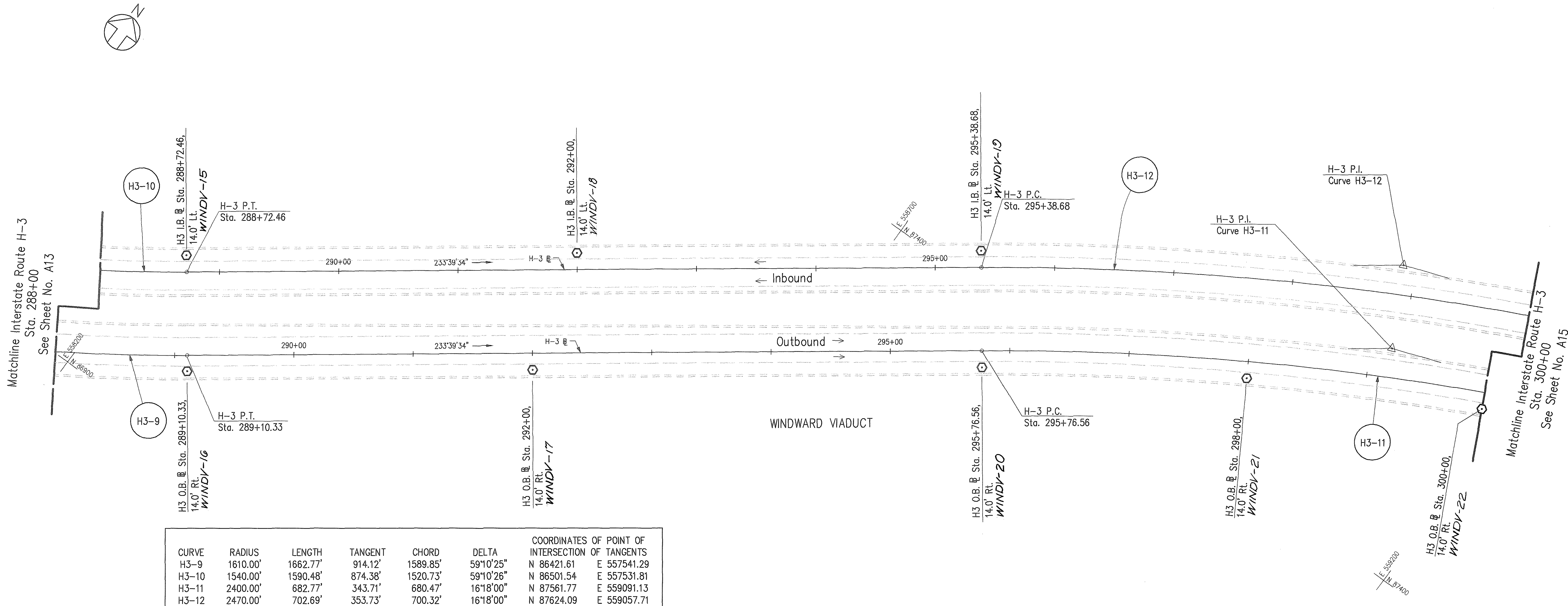


THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A13 OF 46 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	22	405

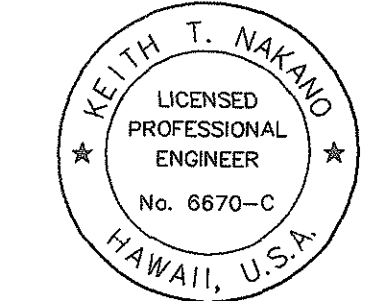


CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-9	1610.00'	1662.77'	914.12'	1589.85'	59°10'25"	N 86421.61	E 557541.29
H3-10	1540.00'	1590.48'	874.38'	1520.73'	59°10'26"	N 86501.54	E 557531.81
H3-11	2400.00'	682.77'	343.71'	680.47'	16°18'00"	N 87561.77	E 559091.13
H3-12	2470.00'	702.69'	353.73'	700.32'	16°18'00"	N 87624.09	E 559057.71

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

CAD by G.D. TRUONG, 55-52

Last Saved: J:\H3RF\U1\ALIGN\H3ALI-32.dwg 02/21/96 at 13:53

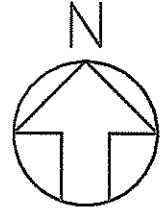


THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A14 OF 46 SHEETS

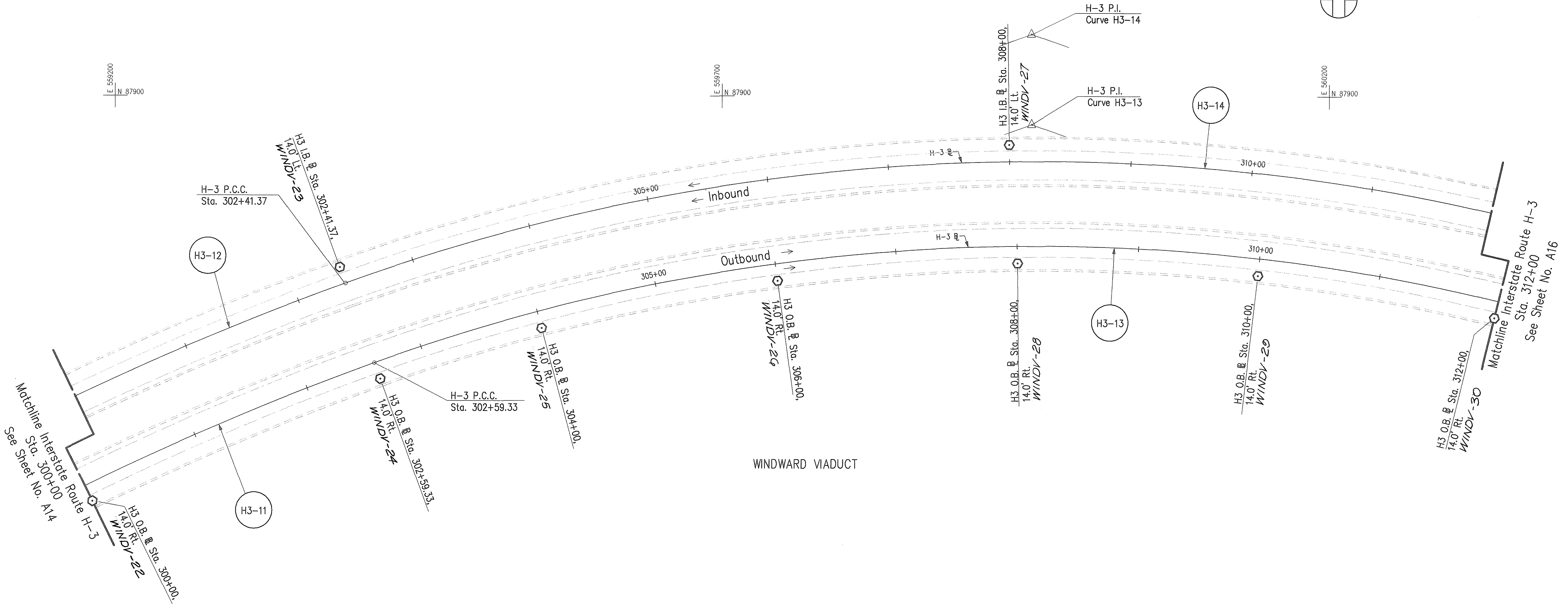
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	23	405



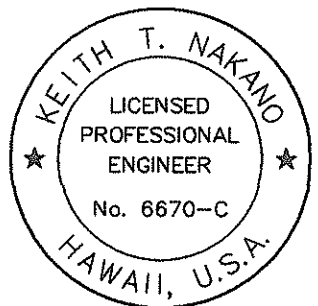
E 560200
N 87900

E 560200
N 87400



WINDWARD VIADUCT

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-11	2400.00'	682.77'	343.71'	680.47'	16°18'00"	N 87561.77	E 559091.13
H3-12	2470.00'	702.69'	353.73'	700.32'	16°18'00"	N 87624.09	E 559057.71
H3-13	1600.00'	1105.78'	576.00'	1083.90'	39°35'52"	N 87876.95	E 559955.15
H3-14	1670.00'	1154.16'	601.20'	1131.33'	39°35'52"	N 87951.33	E 559954.83



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

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

SHEET NO. A15 OF 46 SHEETS

"AS-BUILT"

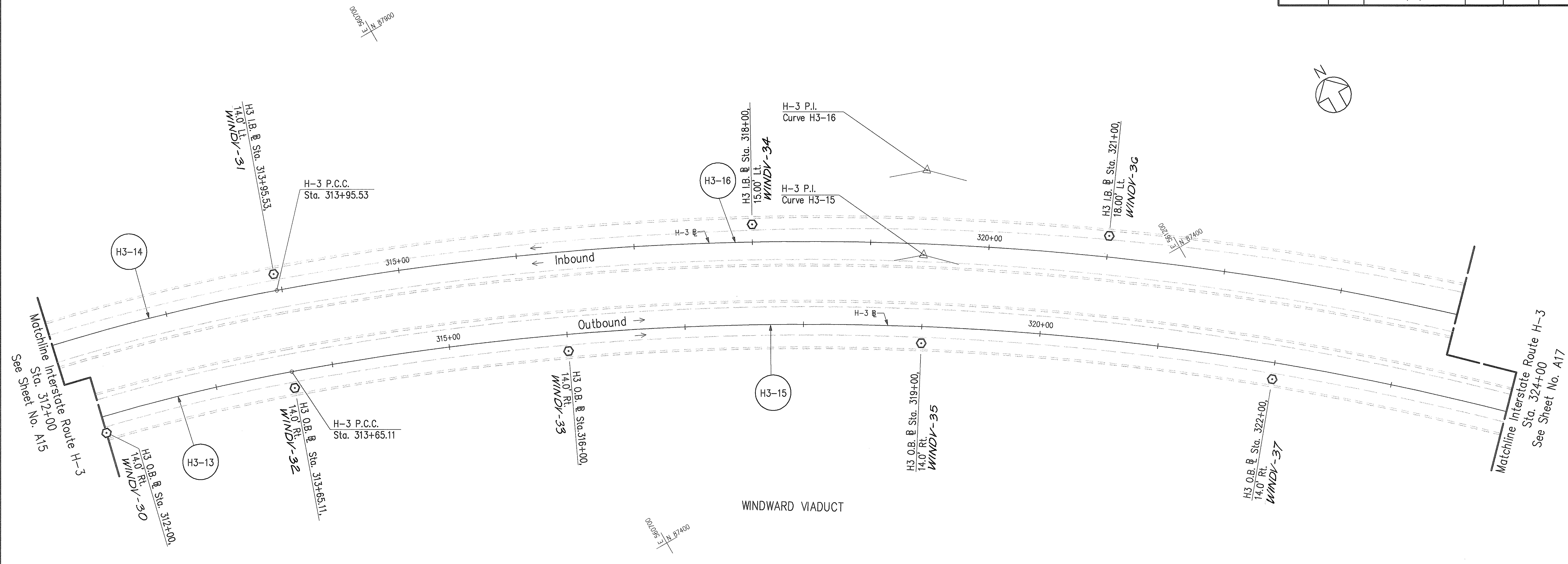
23

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

CAD by G.D. TRUONG, SS-52

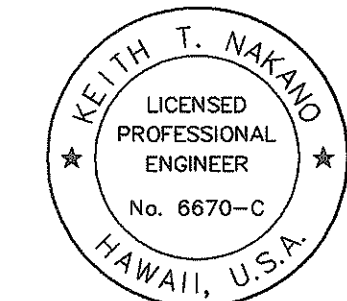
Last Saved: J:\H3RF\UI\ALIGN\H3ALI-33.dwg 02/22/96 at 10:27

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	24	405



CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-13	1600.00'	1105.78'	576.00'	1083.90'	39°35'52"	N 87876.95 E 559955.15
H3-14	1670.00'	1154.16'	601.20'	1131.33'	39°35'52"	N 87951.33 E 559954.83
H3-15	2400.06'	1068.18'	543.08'	1059.39'	25°30'01"	N 87502.33 E 561009.67
H3-16	2470.09'	1099.33'	558.92'	1090.28'	25°30'00"	N 87562.98 E 561048.02

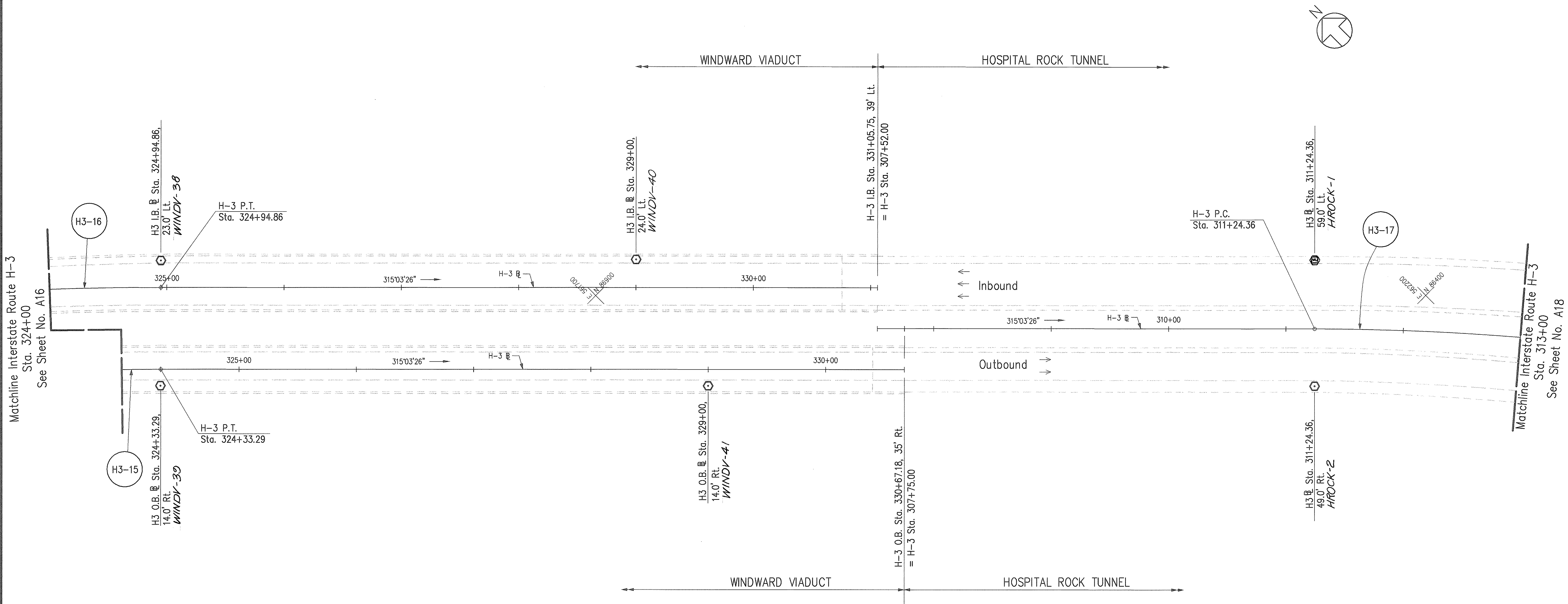
ORIGINAL PLAN	DATE
NOTE BOOK	DESIGNED BY
NO.	CHECKED BY



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A16 OF 46 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	25	405

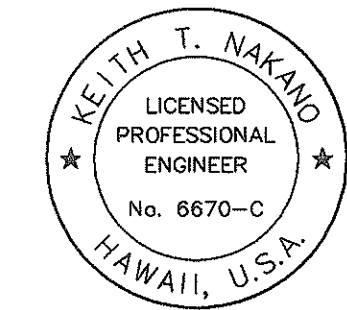


CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-15	2400.06'	1068.18'	543.08'	1059.39'	25°30'01"	N 87502.33	E 561009.67
H3-16	2470.09'	1099.33'	558.92'	1090.28'	25°30'00"	N 87562.98	E 561048.02
H3-17	2204.04'	1869.71'	995.27'	1814.15'	48°36'17"	N 85742.24	E 562815.68

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

CAD by B.D. TRUONG, 55-52

Last Saved: J:\H3RP\UT\ALIGN\H3A11-35.dwg 02/22/96 at 11:05



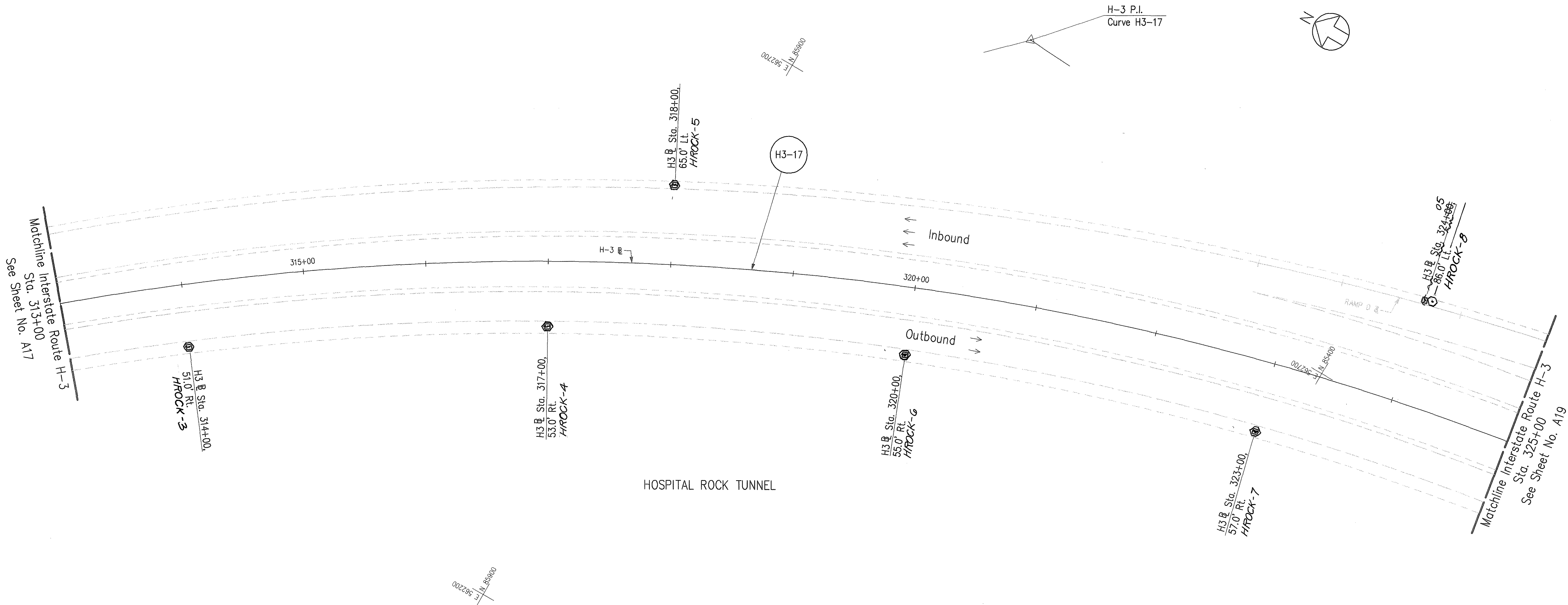
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A17 OF 46 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	26	405

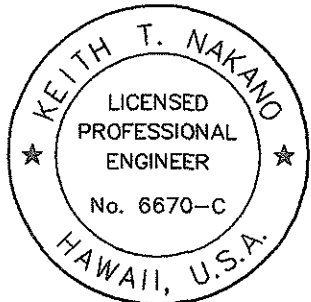


CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-17	2204.04'	1869.71'	995.27'	1814.15'	48°36'17"	N 85742.24 E 562815.68

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

CAD by Q.D. TRUONG, 55-52

Last Saved: J:\H3RF\U1\ALIGN\H3ALI-36.dwg 02/22/96 at 11:09



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

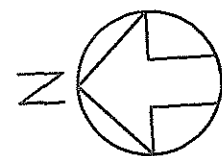
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A18 OF 46 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	28	405



Matchline Interstate Route H-3
Sta. 337+00
See Sheet No. A19

H3 B Sta. 339+00.
59.0' Lt.
KANEHO-3

H3 B Sta. 342+00.
59.0' Lt.
KANEHO-5

H3 B Sta. 345+00.
59.0' Lt.
KANEHO-7

Inbound

340+00

H-3 B

345+00

03°39'43"

Outbound

H3 B Sta. 339+00.
59.0' Rt.
KANEHO-4

H3 B Sta. 342+00.
59.0' Rt.
KANEHO-6

H3 B Sta. 345+00.
69.5' Rt.
KANEHO-8

H3 B Sta. 349+00.
59.0' Rt.
KANEHO-9

Matchline Interstate Route H-3
Sta. 349+00
See Sheet No. A21

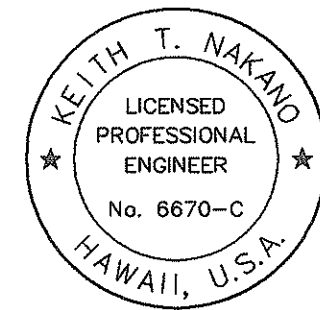
To Honolulu
To Kaneohe

KANEOHE INTERCHANGE

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

CAD by O.D. TRUONG, SS-52

Last Saved: J:\H3RP\UT\ALIGN\H3ALI-38.dwg 02/22/96 at 11:16



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

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

SCALE: 1" = 40' DATE: JANUARY 1996

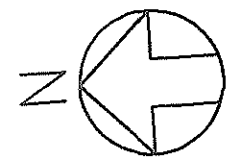
SHEET NO. A20 OF 46 SHEETS

"AS-BUILT"

28

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	29	405

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-18	2200.00'	987.20'	502.05'	978.94'	25°42'37"	N 81806.95 E 562563.82



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

CAD by G.D. TRUONG 55-52

Matchline Interstate Route H-3

Sta. 349+00

See Sheet No. A20

H-3 B Sta. 349+00.
59.0' Rt.
KANE0-9

Inbound

Outbound

350+00

03°39'43"

H-3 B

400+00

H3-18

H-3 B Sta. 399+02.95.
59.0' Lt.
WINDH-1

H-3 P.C. Sta. 354+40.09
= H-3 P.C. Sta. 399+02.95

H-3 B Sta. 401+00.
51.0' Lt.
WINDH-3

H-3 B Sta. 403+00.
44.0' Lt.
WINDH-4

00618 N
E 562700

H-3 B Sta. 405+00.
38.0' Lt.
WINDH-5

Matchline Interstate Route H-3
Sta. 406+00
See Sheet No. A22

H-3 B Sta. 406+00.
36.0' Rt.
WINDH-6

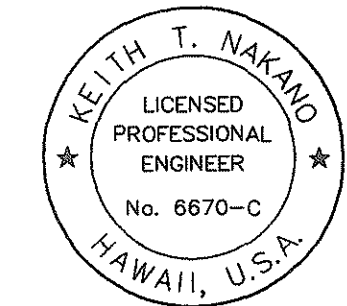
H-3 P.I.
Curve H3-18

H-3 B Sta. 399+02.95.
56.0' Rt.
WINDH2

KANE0HE INTERCHANGE

WINDWARD HIGHWAY

00618 N
E 562200



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

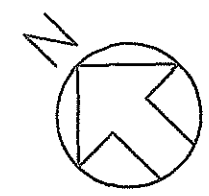
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A21 OF 46 SHEETS

"AS-BUILT"

29

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	31	405



0062 N 79900
E 56290

0062 N 80400
E 563700

0062 N 79900
E 563700

0062 N 80400
E 563200

Matchline Interstate Route H-3
Sta. 418+00
See Sheet No. A22

H3-19

420+00

H-3 B Sta. 421+38.03
34.0' Lt.
WINDH-15

H-3 P.T.
Sta. 421+38.03

Inbound
Outbound

425+00

H-3 B

316'17'08"

H-3 B Sta. 430+00
34.0' Lt.
WINDH-17

Matchline Interstate Route H-3
Sta. 430+00
See Sheet No. A24

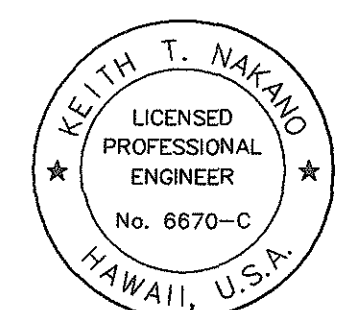
WINDWARD HIGHWAY

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-19	3300.00'	1247.88'	631.48'	1240.46'	21°39'58.10"	N 80756.31 E 562989.34

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

CAD by Q.D. TRUONG 55-52

0062 N 79900
E 563200



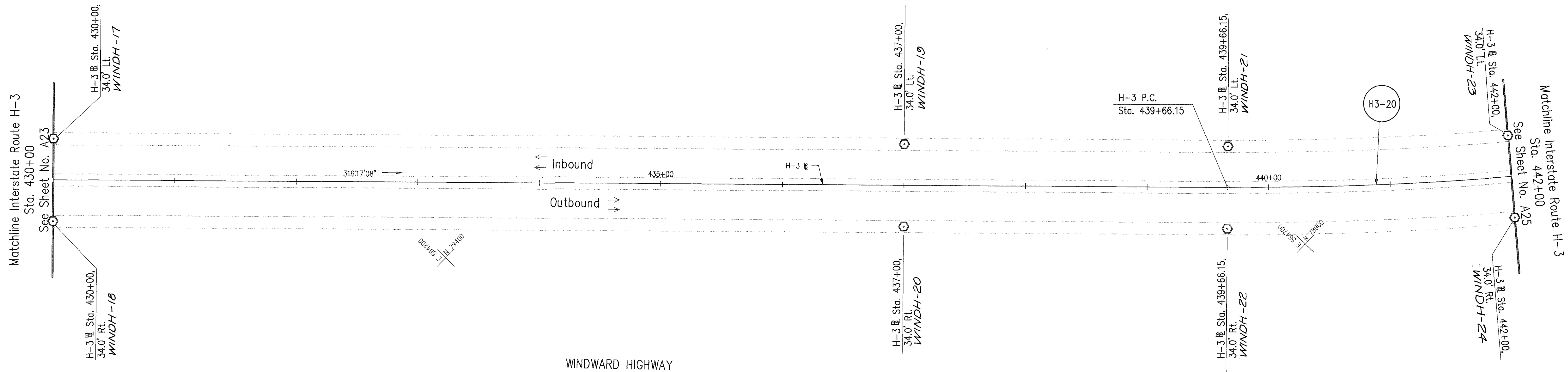
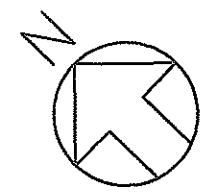
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A23 OF 46 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	32	405

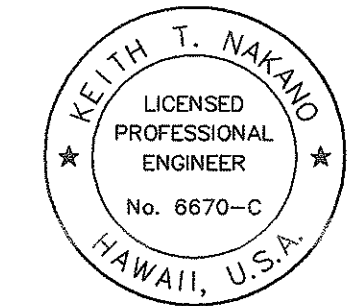


CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-20	2600.00'	3891.21'	2413.95'	3538.08'	85°44'59.88"	N 77233.73 E 566357.28

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

CAD by Q.D. TRUONG, SS-52

Last Saved: J:\H3RF\U1\ALIGN\H3ALI-42.dwg 02/21/96 at 14:14



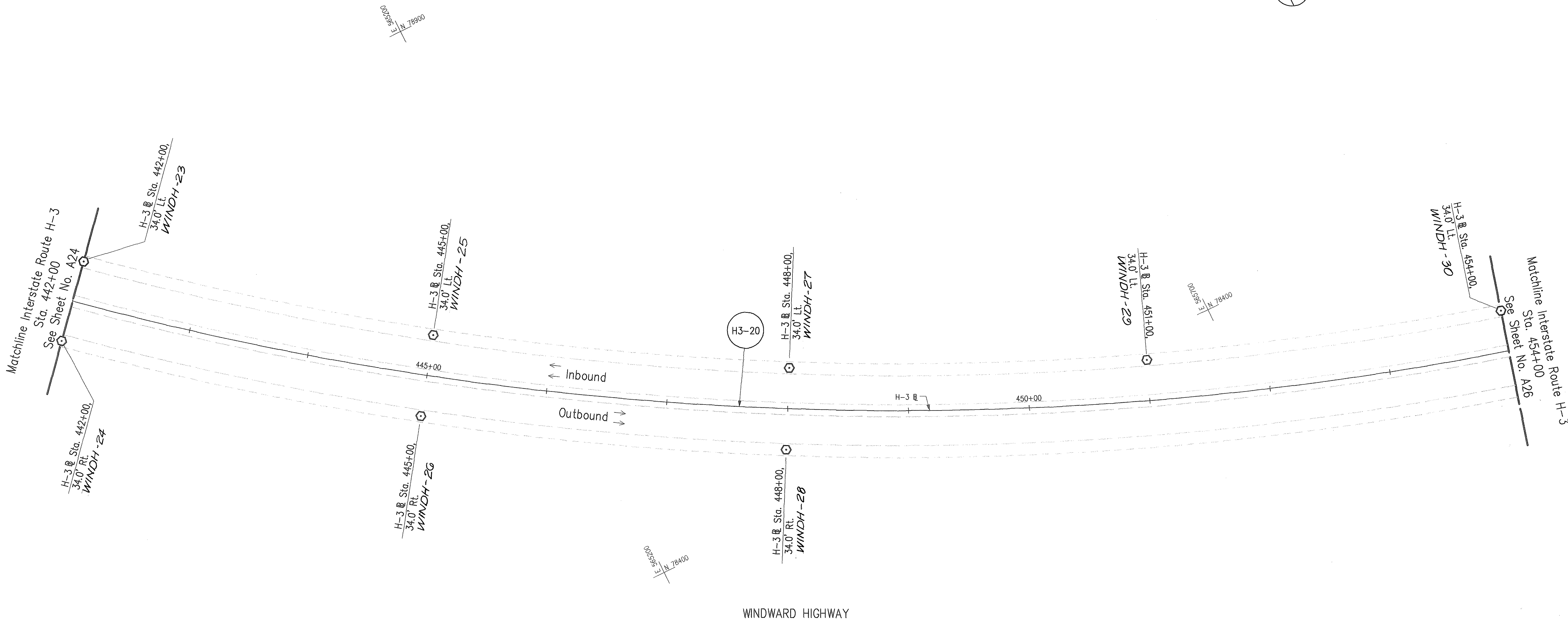
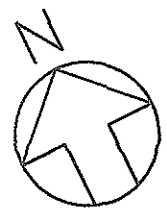
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS**
INTERSTATE ROUTE H-3
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A24 OF 46 SHEETS

AS-BUILT

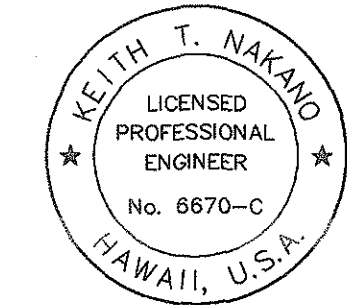
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	33	405



CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-20	2600.00'	3891.21'	2413.95'	3538.08'	85°44'59.88"	N 77233.73	E 566357.28

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

CAD by Q.D. TRUONG, SS-52



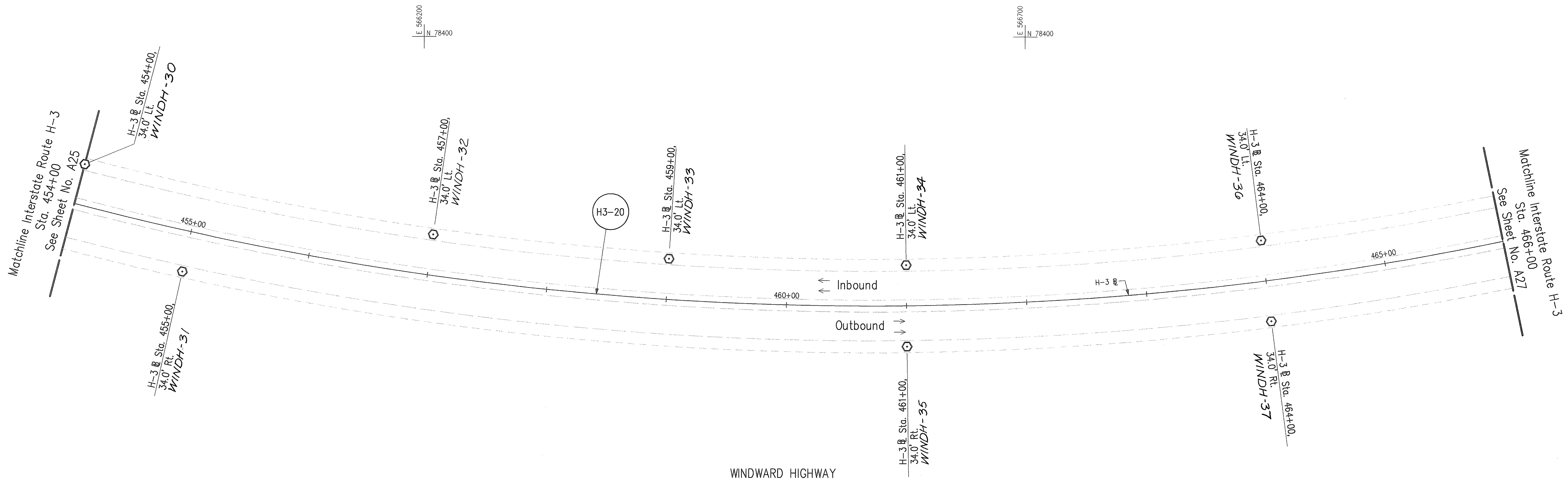
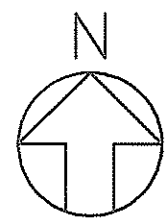
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Keith T. Nakano

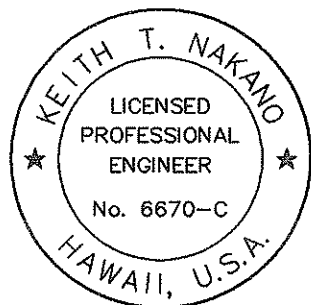
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A25 OF 46 SHEETS

"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	34	405



CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-20	2600.00'	3891.21'	2413.95'	3538.08'	85°44'59.88"	N 77233.73 E 566357.28



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**

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

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A26 OF 46 SHEETS

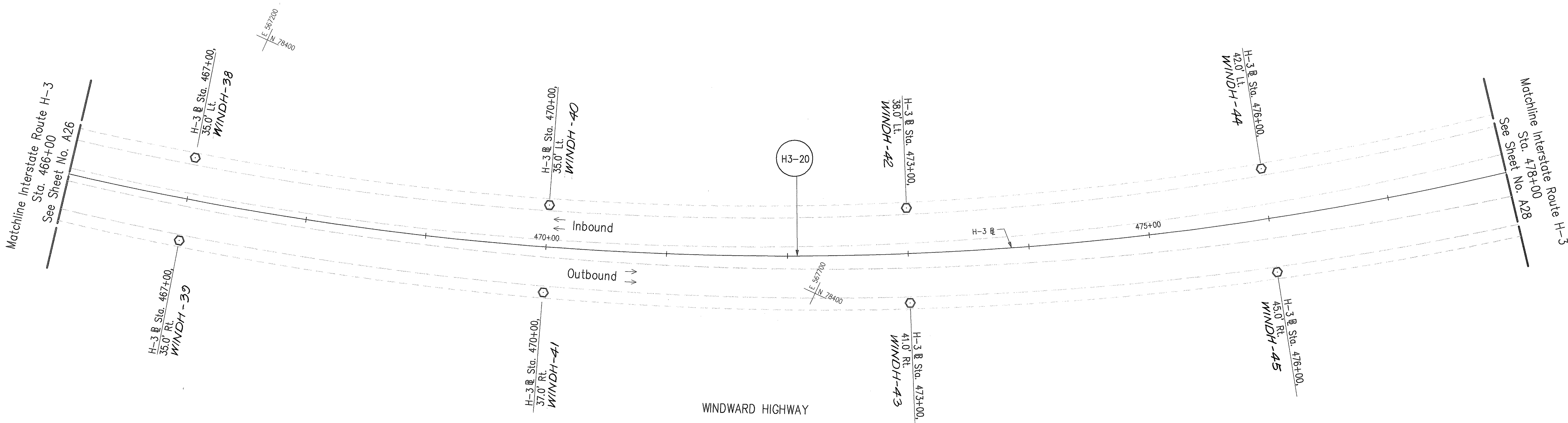
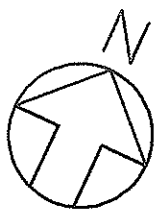
"AS-BUILT"

34

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

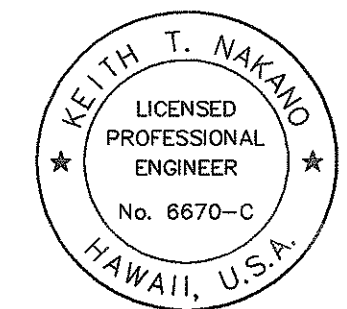
CAO by O.D. TRUONG, 55-52

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	35	405



CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-20	2600.00'	3891.21'	2413.95'	3538.08'	85°44'59.88"	N 77233.73 E 566357.28

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



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A27 OF 46 SHEETS

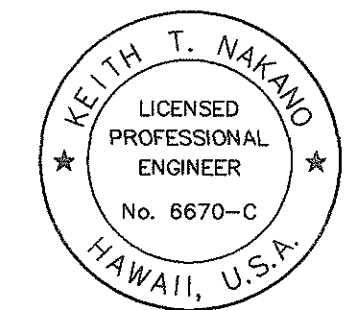
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	37	405



Matchline Interstate Route H-3
Sta. 490+00
See Sheet No. A28

Matchline Interstate Route H-3
Sta. 502+00
See Sheet No. A30

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-21	2000.00'	1475.39'	773.08'	1442.16'	42°16'01"	N 80554.59	E 570390.90



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

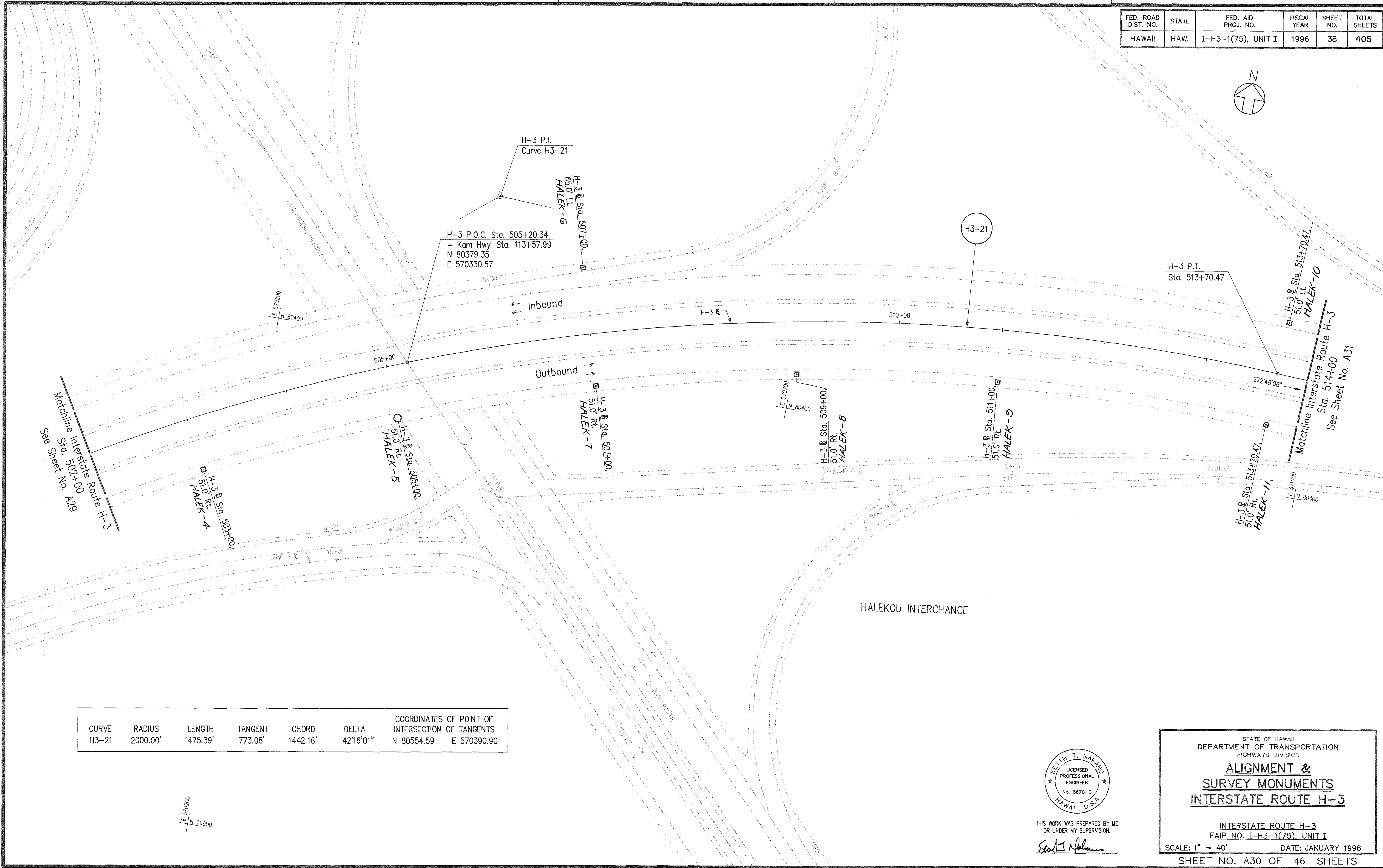
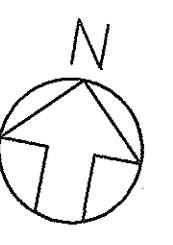
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A29 OF 46 SHEETS

"AS-BUILT"

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

CAD by O.D. TRUONG 55-52, 59-52

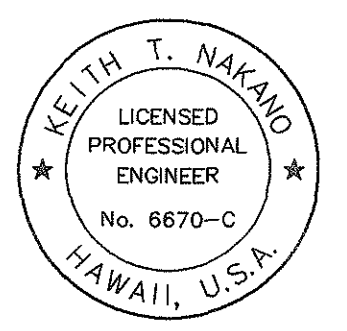
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	38	405



CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-21	2000.00'	1475.39'	773.08'	1442.16'	42°16'01"	N 80554.59	E 570390.90

E 570200
N 79900

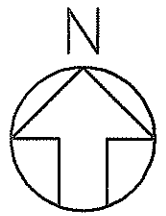
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**ALIGNMENT &
SURVEY MONUMENTS
INTERSTATE ROUTE H-3**
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40'
DATE: JANUARY 1996
SHEET NO. A30 OF 46 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	39	405

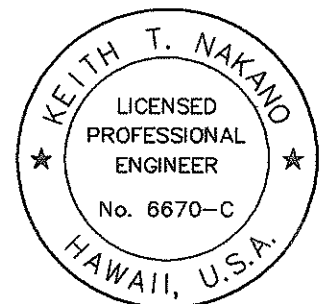


Matchline Interstate Route H-3
Sta. 514+00
See Sheet No. A30

Matchline Interstate Route H-3
Sta. 525+00
See Sheet No. A32

HALEKOU INTERCHANGE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H3-22	3000.00'	1966.11'	1019.82'	1931.11'	37°33'00"	N 80426.38 E 573010.19



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ALIGNMENT
INTERSTATE ROUTE H-3

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A31 OF 46 SHEETS

"AS-BUILT"

39

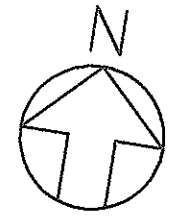
SURVEY PLOTTED BY	DATE
ORIGINAL PLAN	
DESIGNED BY	
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

CAD by O.D. TRUONG, 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	40	405

E 572200
N 80900

E 572700
N 80900



E 573200
N 80900

Matchline Interstate Route H-3
Sta. 525+00
See Sheet No. A31

E 572200
N 80400

E 572700
N 80400

E 573200
N 80400

H3-22

Inbound

Outbound

H-3

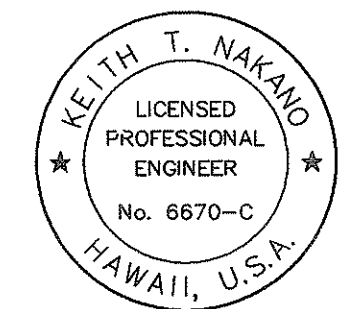
530+00

535+00

H-3 P.I.
Curve H3-22

HALEKOU INTERCHANGE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
H3-22	3000.00'	1966.11'	1019.82'	1931.11'	37°33'00"	N 80426.38	E 573010.19



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
INTERSTATE ROUTE H-3

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

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A32 OF 46 SHEETS

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

CAD by D.D. TRUONG, SS-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	41	405

Kamehameha Highway @ Sta. 102+00
N 81215.99
E 569529.96

← To Kaneohe

To Kailua →

KAMEHAMEHA HIGHWAY @

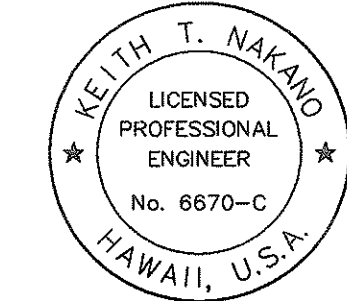
Matchline Kamehameha Highway
Sta. 110+00
See Sheet No. A34

HALEKOU INTERCHANGE

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

CAD by D.D. TRUONG, SS-52

Last Saved: J:\H3RF\U1\ALIGN\KH-AL11.dwg 02/21/96 at 14:30



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

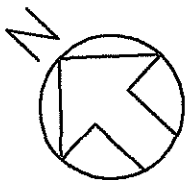
Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
KAMEHAMEHA HIGHWAY

INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A33 OF 46 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	42	405

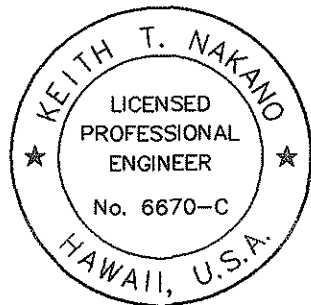


Matchline Kamehameha Highway
Sta. 110+00
See Sheet No. A33

Matchline Kamehameha Highway
Sta. 120+00
See Sheet No. A35

Kam. Hwy. P.O.T. Sta. 113+57.99
= H-3 P.O.C. Sta. 505+20.34
N 80379.35
E 570330.57

HALEKOU INTERCHANGE



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
KAMEHAMEHA HIGHWAY

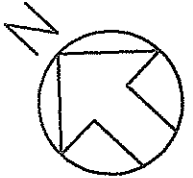
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I
SCALE: 1" = 40' DATE: JANUARY 1996
SHEET NO. A34 OF 46 SHEETS

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

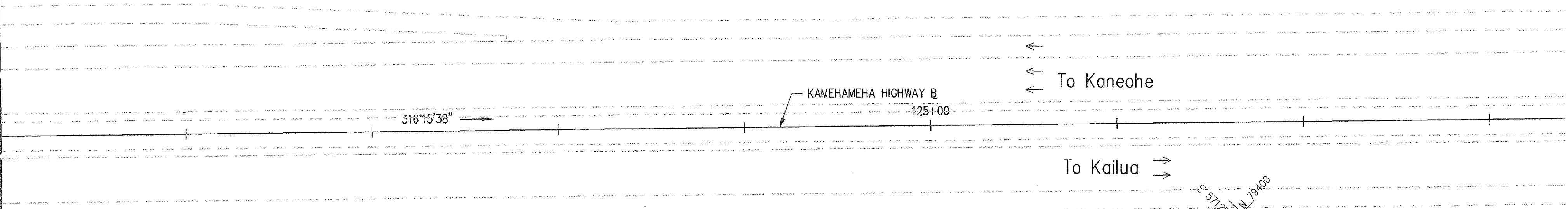
CAD by O.D. THUONG, 55-52

Last Saved: J:\H3RF\01\ALIGN\KH-AL12.dwg 02/21/96 at 15:00

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	43	405



Matchline Kamehameha Highway
Sta. 120+00
See Sheet No. A34

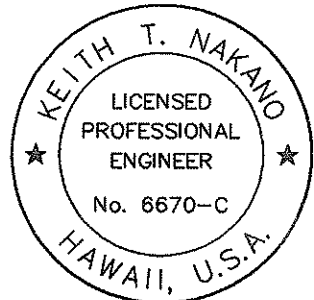


HALEKOU INTERCHANGE

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

CAD by O.D. TRUONG, 55-52

Last Saved: J:\H3RF\U1\ALIGN\KH-AU3.dwg 02/21/96 at 15:01



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
KAMEHAMEHA HIGHWAY

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

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A35 OF 46 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	44	405



E 589200
N 79900

SERVICE ROAD

RAMP C

Inbound

Outbound

Matchline Ramp A
Sta. 10+00
See Sheet No. A37

0+00
Begin Ramp A Sta. 0+00
= H-3 Sta. 488+75.00, 46.00' Rt.

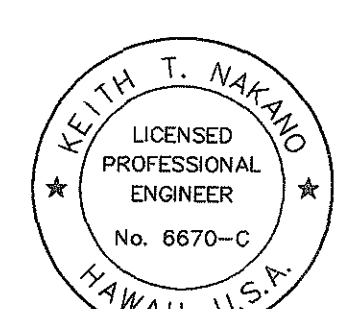
233°21'08"

Ramp A Sta. 3+25.40

E 589200
N 79400

HALEKOU INTERCHANGE

E 589700
N 79400



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
RAMP A

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

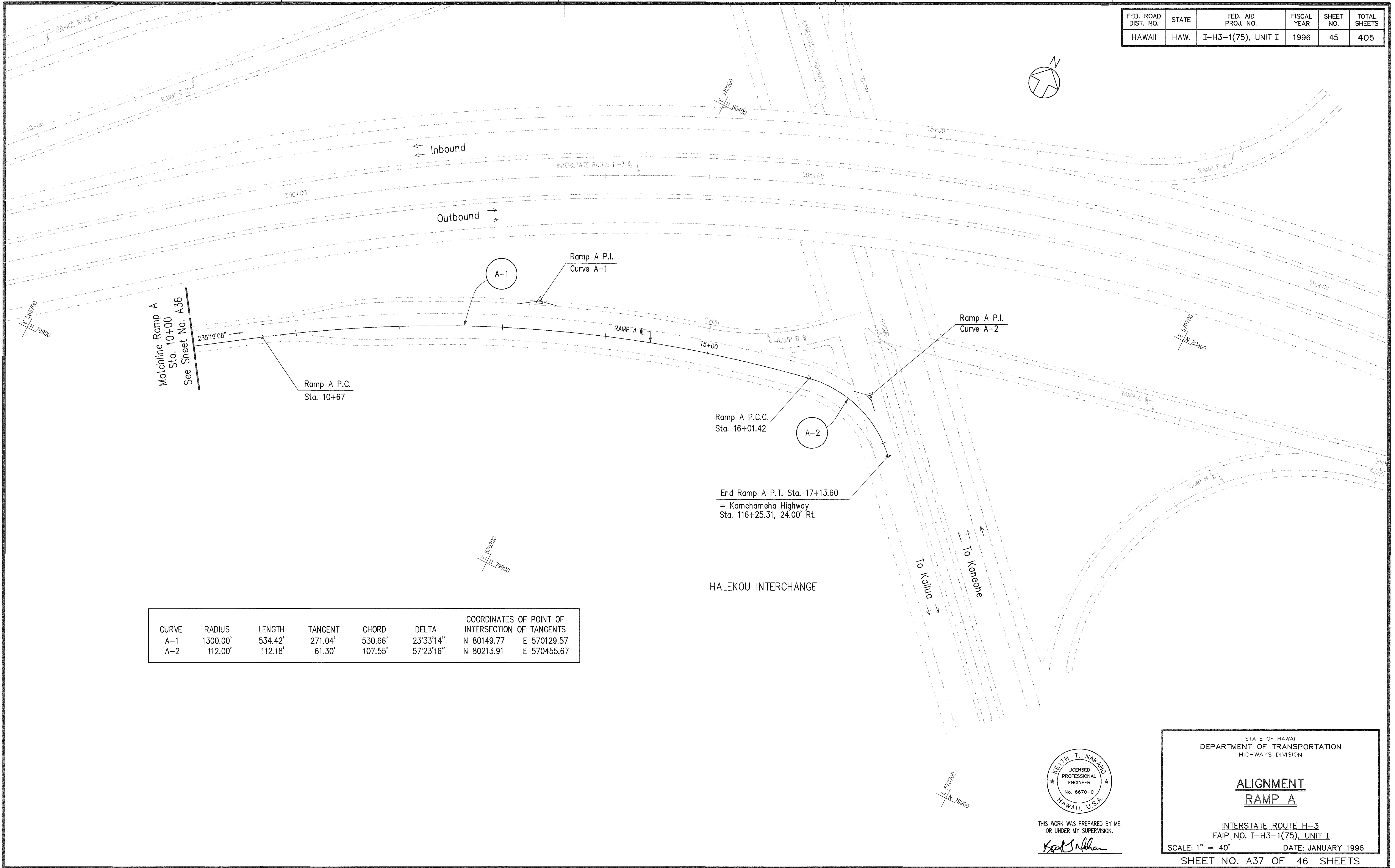
SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A36 OF 46 SHEETS

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

CAD by O.D. TRUONG, 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	45	405



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

CAD by O.D. TRUONG, SS-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	46	405

Begin Ramp C P.C. Sta. 0+00
= Kamehameha Highway Sta. 106+14.70, 48.00' Rt.

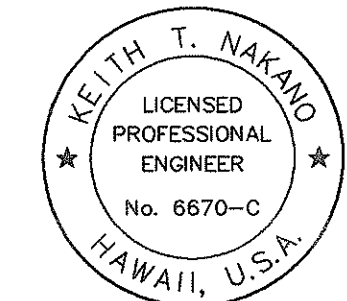
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
C-1	1000.00'	291.49'	146.79'	290.46'	16°42'04"	N 80777.13	E 569883.48
C-2	230.00'	280.49'	160.67'	263.43'	69°52'24"	N 80503.28	E 570023.25
C-3	1000.00'	127.42'	63.80'	127.33'	07°18'02"	N 79737.13	E 569312.90

HALEKOU INTERCHANGE

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

CAD by D.D. TRUONG, 55-52

Last Saved: J:\H3RF\U1\ALIGN\C-AL1.dwg 02/21/96 at 15:08



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

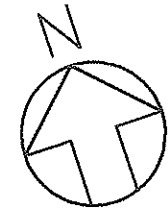
ALIGNMENT
RAMP C

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

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A38 OF 46 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	47	405



00115
E 511200
N 80900

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
D-1	1000.00'	497.75'	254.14'	492.63'	28°31'08"	N 80566.49 E 571334.11

001200
E 511200
N 80900

Matchline Ramp D
Sta. 8+00
See Sheet No. A40

Ramp D P.T.
Sta. 4+97.75

HALEKOU INTERCHANGE

Begin Ramp D P.C. Sta. 0+00
= H-3 Sta. 517+93.04, 58.00' Lt.

D-1

Ramp D P.I.
Curve D-1

INTERSTATE ROUTE H-3

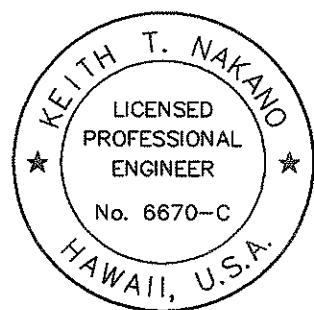
Inbound

Outbound

RAMP G

001700
E 511700
N 80400

001200
E 511200
N 80400



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
RAMP D

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

SCALE: 1" = 40' DATE: JANUARY 1996

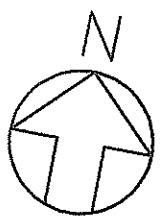
SHEET NO. A39 OF 46 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	

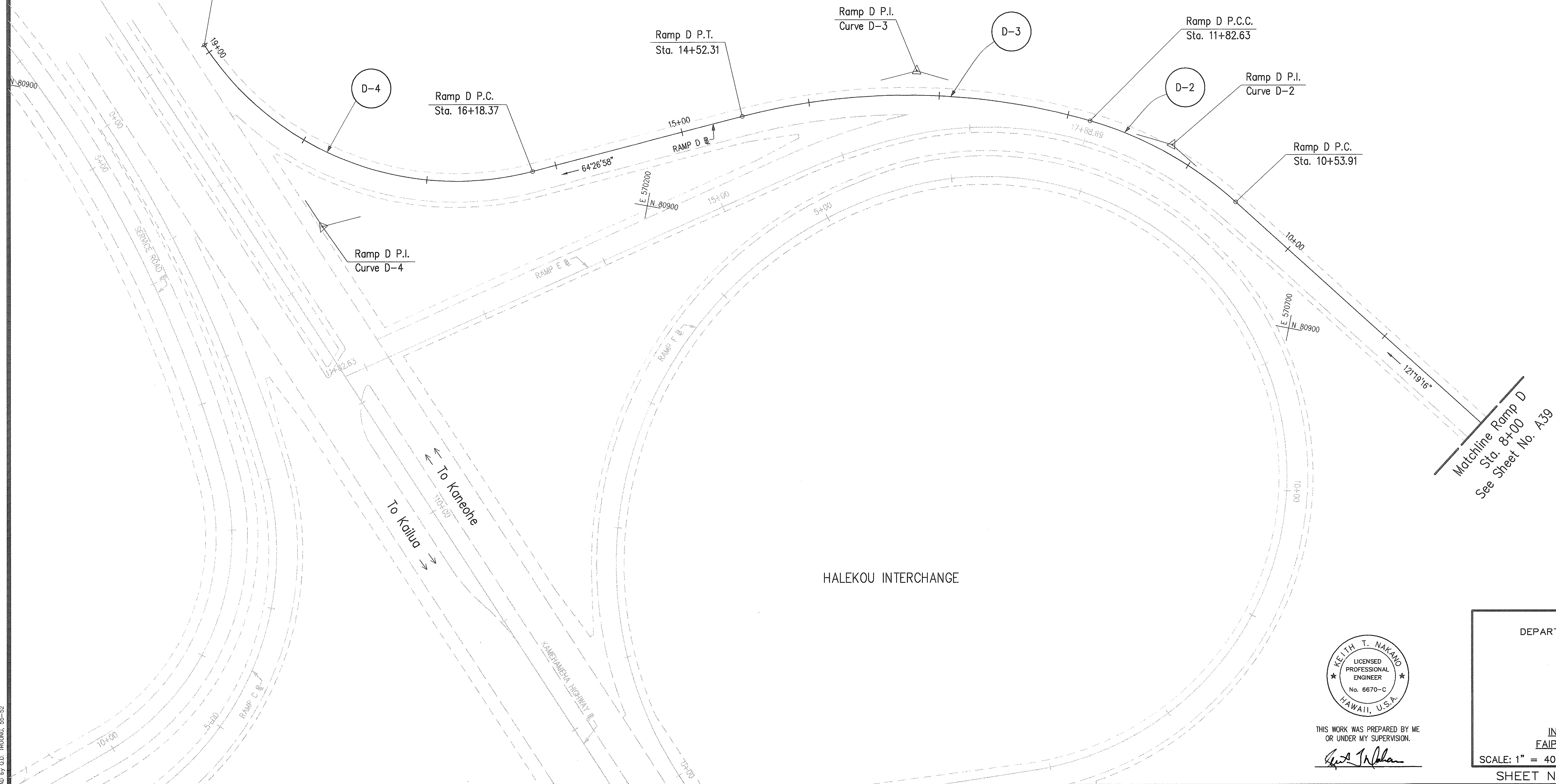
CAD by Q.D. TRUONG, SS-52

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	48	405

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
D-2	284.00'	128.72'	65.48'	127.62'	25°58'07"	N 81021.75	E 570585.95
D-3	500.00'	269.68'	138.21'	266.42'	30°54'11"	N 81040.75	E 570383.15
D-4	230.00'	288.27'	166.53'	269.77'	71°48'42"	N 80837.70	E 569958.39



End Ramp D P.T. Sta. 19+06.64
= Kamehameha Highway Sta. 106+02.99, 48.00' Lt.



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

CAD by G.D. TRUONG, SS-32

Last Saved: J:\H3RF\01\ALIGN\0-A42.dwg 02/21/96 at 15:11

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

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
RAMP D

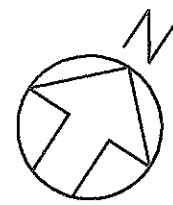
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A40 OF 46 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	49	405

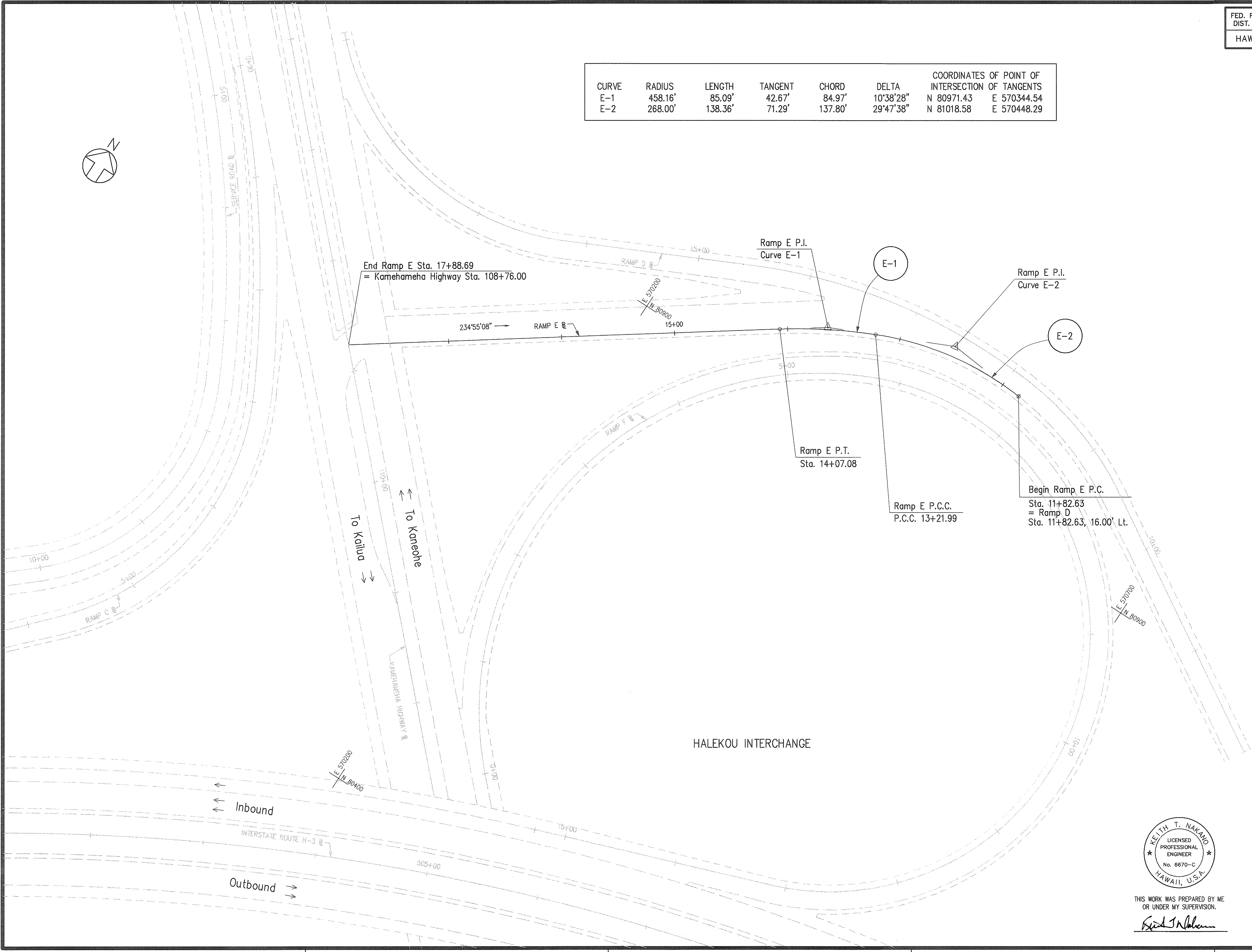
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
E-1	458.16'	85.09'	42.67'	84.97'	10°38'28"	N 80971.43	E 570344.54
E-2	268.00'	138.36'	71.29'	137.80'	29°47'38"	N 81018.58	E 570448.29



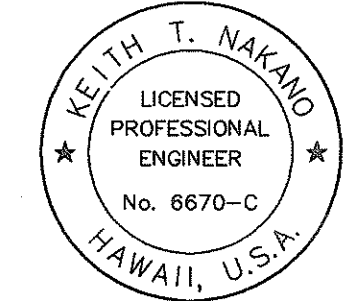
E 570700
N 81400

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

CAD by O.D. TRUONG, SS-52



HALEKOU INTERCHANGE



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
RAMP E

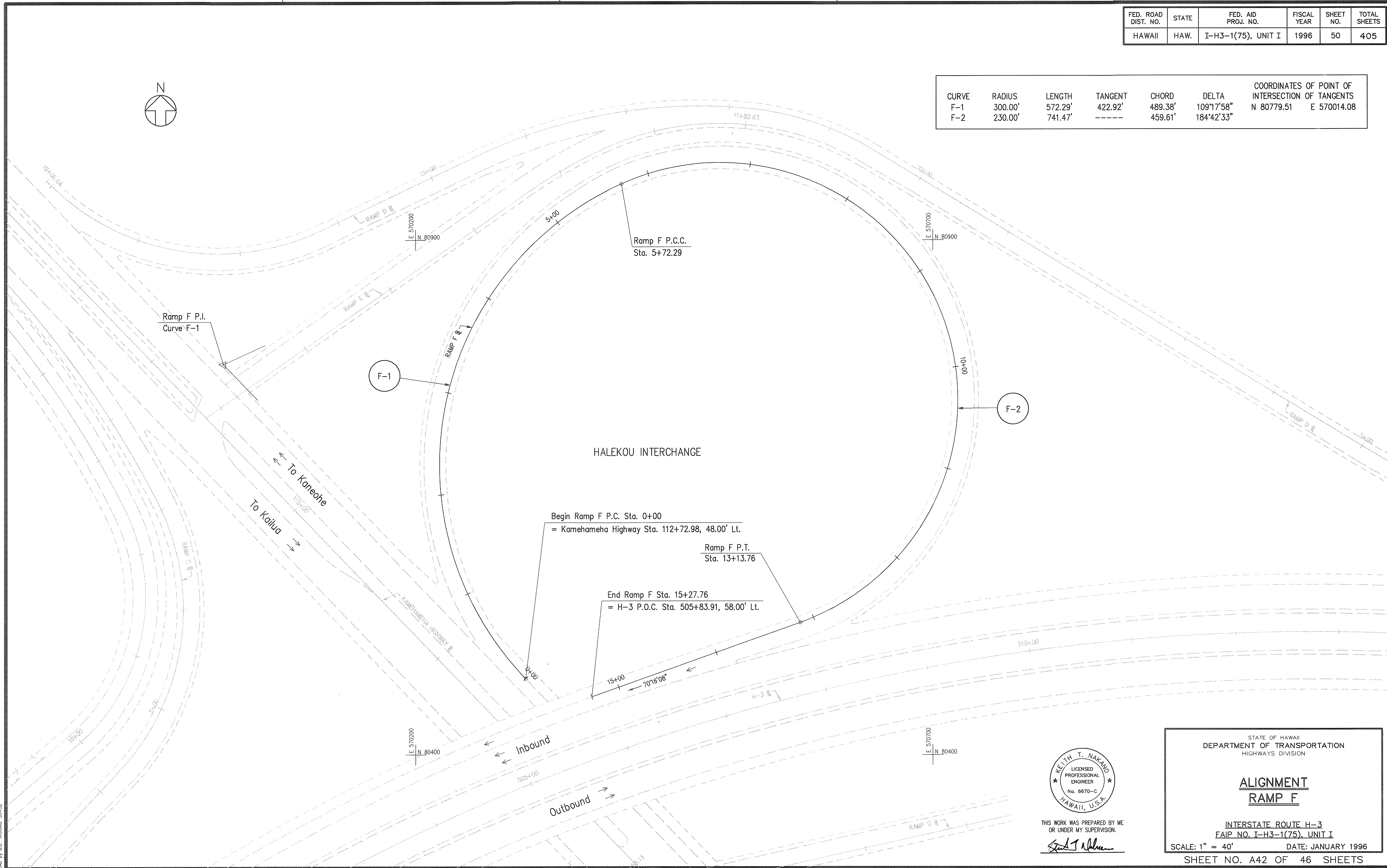
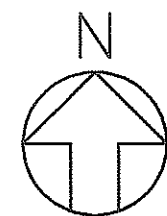
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(75), UNIT I

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A41 OF 46 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	50	405

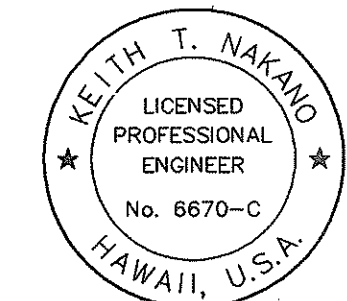
CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
F-1	300.00'	572.29'	422.92'	489.38'	109°17'58"	N 80779.51	E 570014.08
F-2	230.00'	741.47'	-----	459.61'	184°42'33"		



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

CAD by D.D. TRUONG, SS-52

Last Saved: J:\H3RF\01\ALIGN\F-AL11.dwg 02/21/96 at 15:14



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

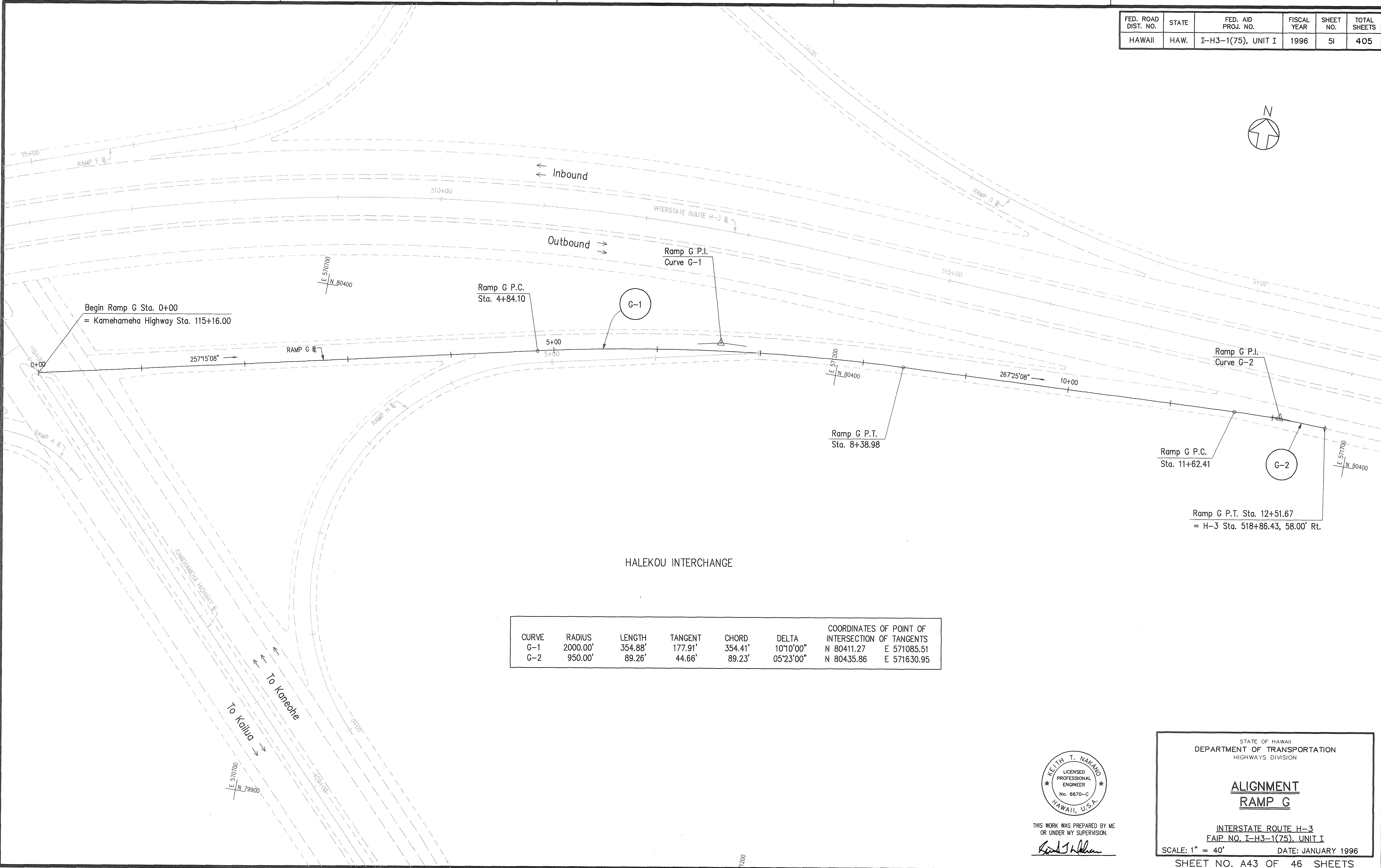
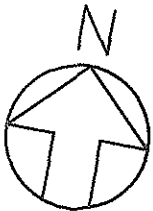
ALIGNMENT
RAMP F

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

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A42 OF 46 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	51	405



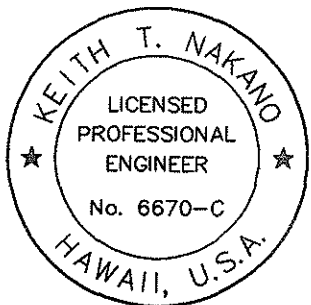
HALEKOU INTERCHANGE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
G-1	2000.00'	354.88'	177.91'	354.41'	10°10'00"	N 80411.27	E 571085.51
G-2	950.00'	89.26'	44.66'	89.23'	05°23'00"	N 80435.86	E 571630.95

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

CAD by O.D. TRUCKS, 55-52

Last Saved: J:\H3RF\U1\ALIGN\G-AU1.dwg 02/21/96 at 15:15



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

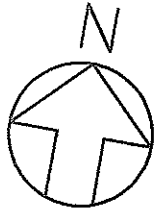
ALIGNMENT
RAMP G

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

SCALE: 1" = 40'
DATE: JANUARY 1996

SHEET NO. A43 OF 46 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	52	405



Inbound
Outbound

Ramp H P.T.
Sta. 4+85.69

End Ramp H Sta. 7+01.27
= Ramp G P.O.C. Sta. 6+99.39

Ramp H P.I.
Curve H-1

H-1

HALEKOU INTERCHANGE

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS
H-1	230.00'	485.69'	406.45'	400.35'	120°59'28"	N 80270.87 E 570517.42

Begin Ramp H P.C. Sta. 0+00
= Kamehameha Highway Sta. 119+72.00, 60.00' Lt.

To Kailua
To Kaneohe



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
RAMP H

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

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A44 OF 46 SHEETS

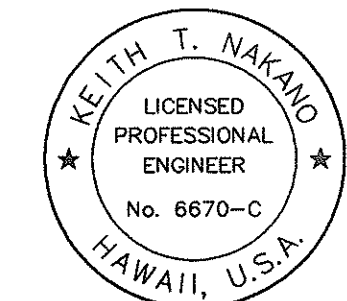
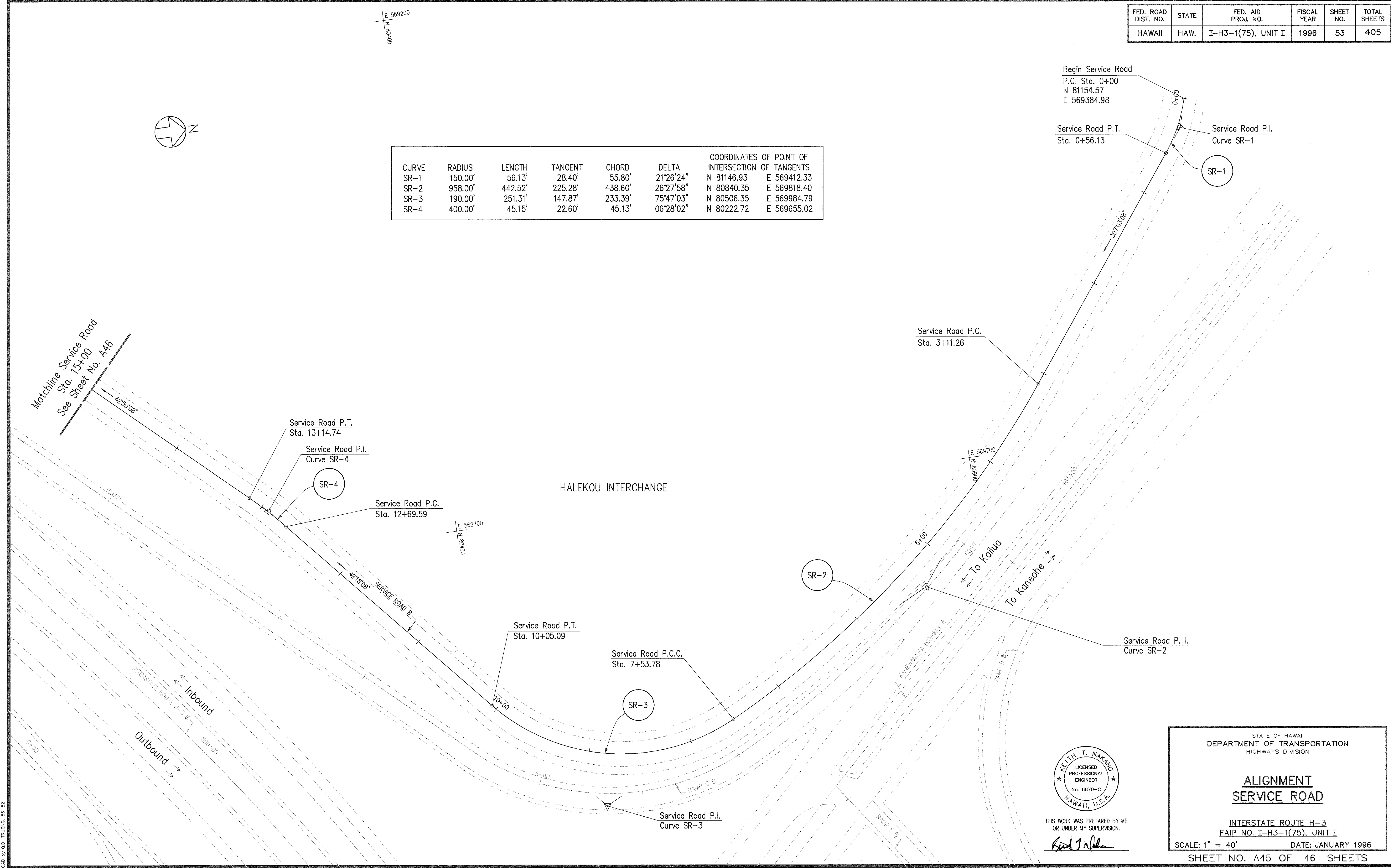
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

CAD by D.D. THUONG, SS-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	53	405

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTION OF TANGENTS	
SR-1	150.00'	56.13'	28.40'	55.80'	21°26'24"	N 81146.93	E 569412.33
SR-2	958.00'	442.52'	225.28'	438.60'	26°27'58"	N 80840.35	E 569818.40
SR-3	190.00'	251.31'	147.87'	233.39'	75°47'03"	N 80506.35	E 569984.79
SR-4	400.00'	45.15'	22.60'	45.13'	06°28'02"	N 80222.72	E 569655.02

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

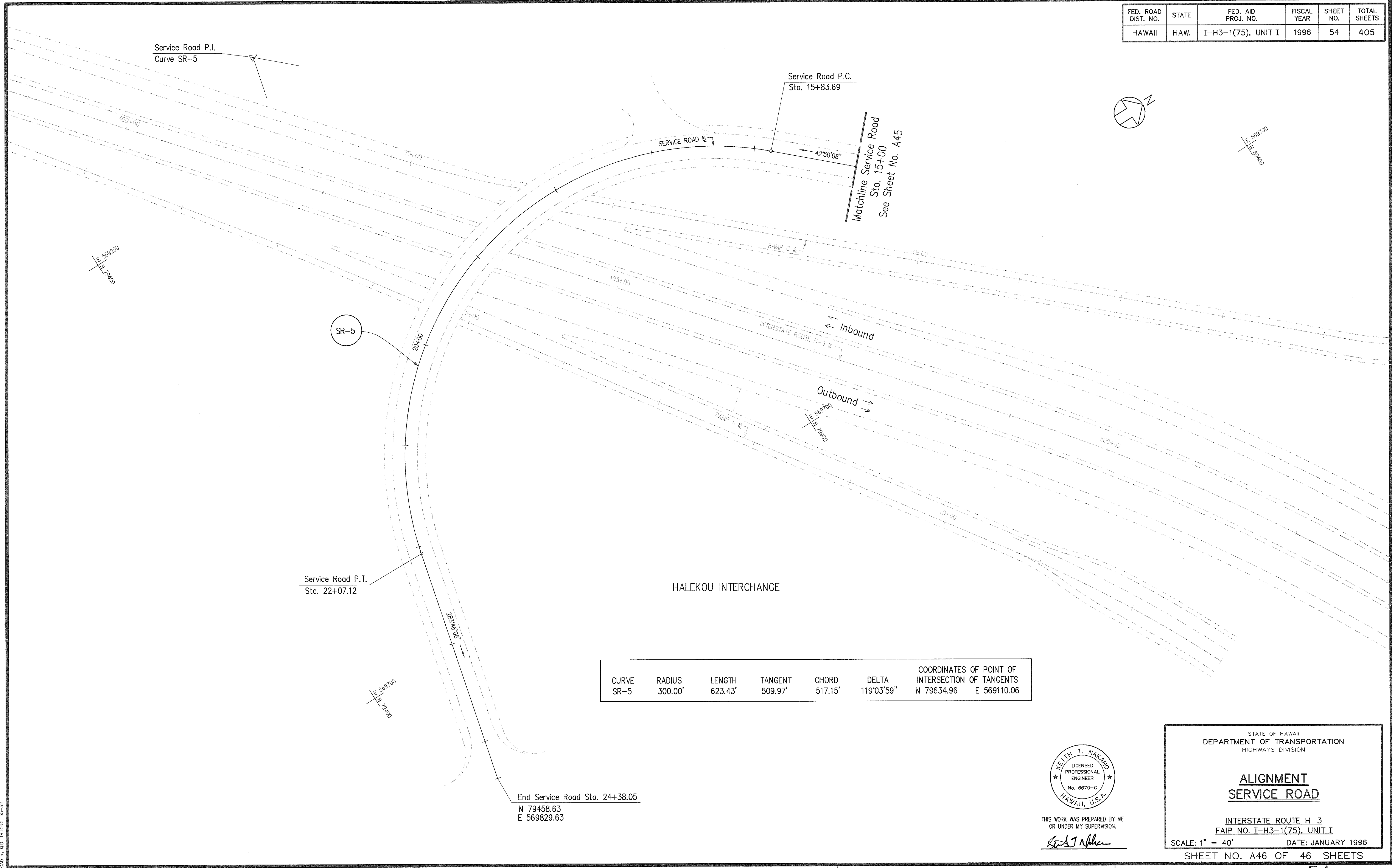
ALIGNMENT
SERVICE ROAD

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

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A45 OF 46 SHEETS

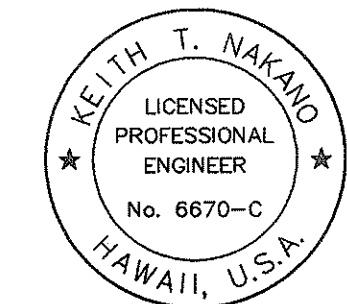
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(75), UNIT I	1996	54	405



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

CAD by G.D. TRUONG, SS-50

Last Saved: J:\H3RF\U1\ALIGN\SR-AU2.dwg 02/21/96 at 15:25



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Keith T. Nakano

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT
SERVICE ROAD

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

SCALE: 1" = 40' DATE: JANUARY 1996

SHEET NO. A46 OF 46 SHEETS