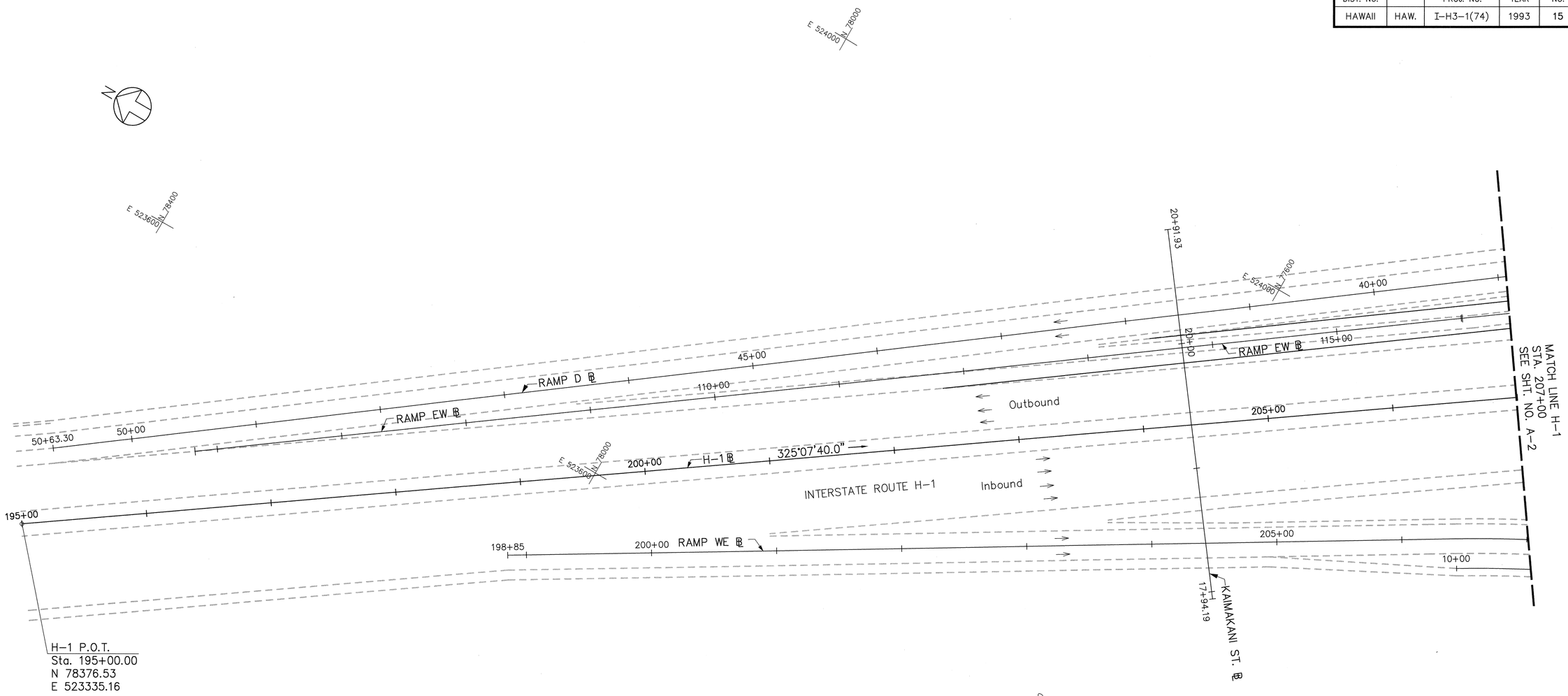
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 15 | 325 |




NOTE:

1. Coordinates are based on Salt Lake Trig. Station.

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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\H1\H1-ALI1.dwg 09/22/94 at 14:56

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

| DATE | REVISIONS |
|---|---|
| 2/12/99 | ADDED NOTE 1. |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

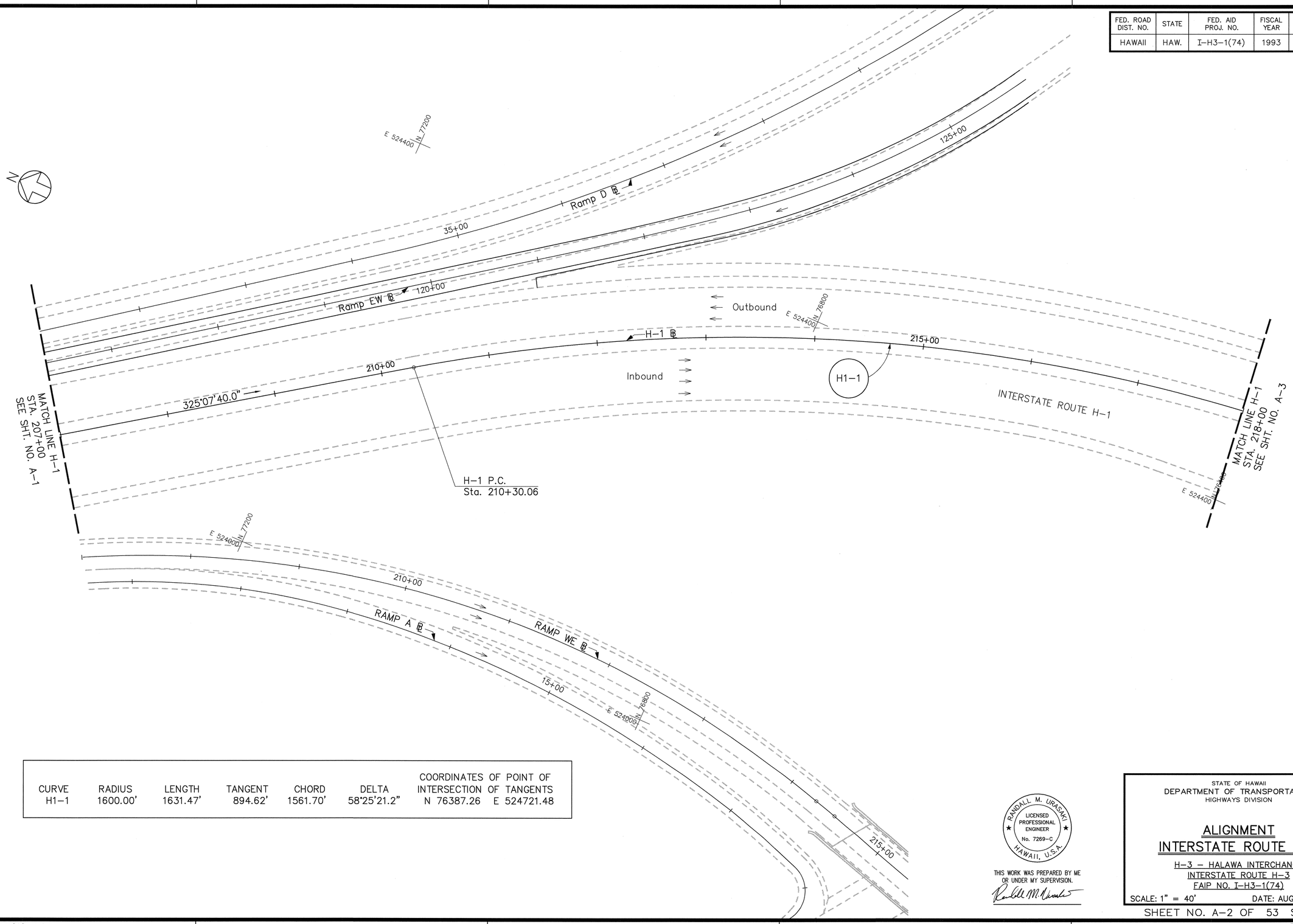
## ALIGNMENT
## INTERSTATE ROUTE H-1

H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-1 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 16 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| H1-1 | 1600.00' | 1631.47' | 894.62' | 1561.70' | 58°25'21.2" | N 76387.26 E 524721.48 |

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## ALIGNMENT
## INTERSTATE ROUTE H-1

H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-2 OF 53 SHEETS

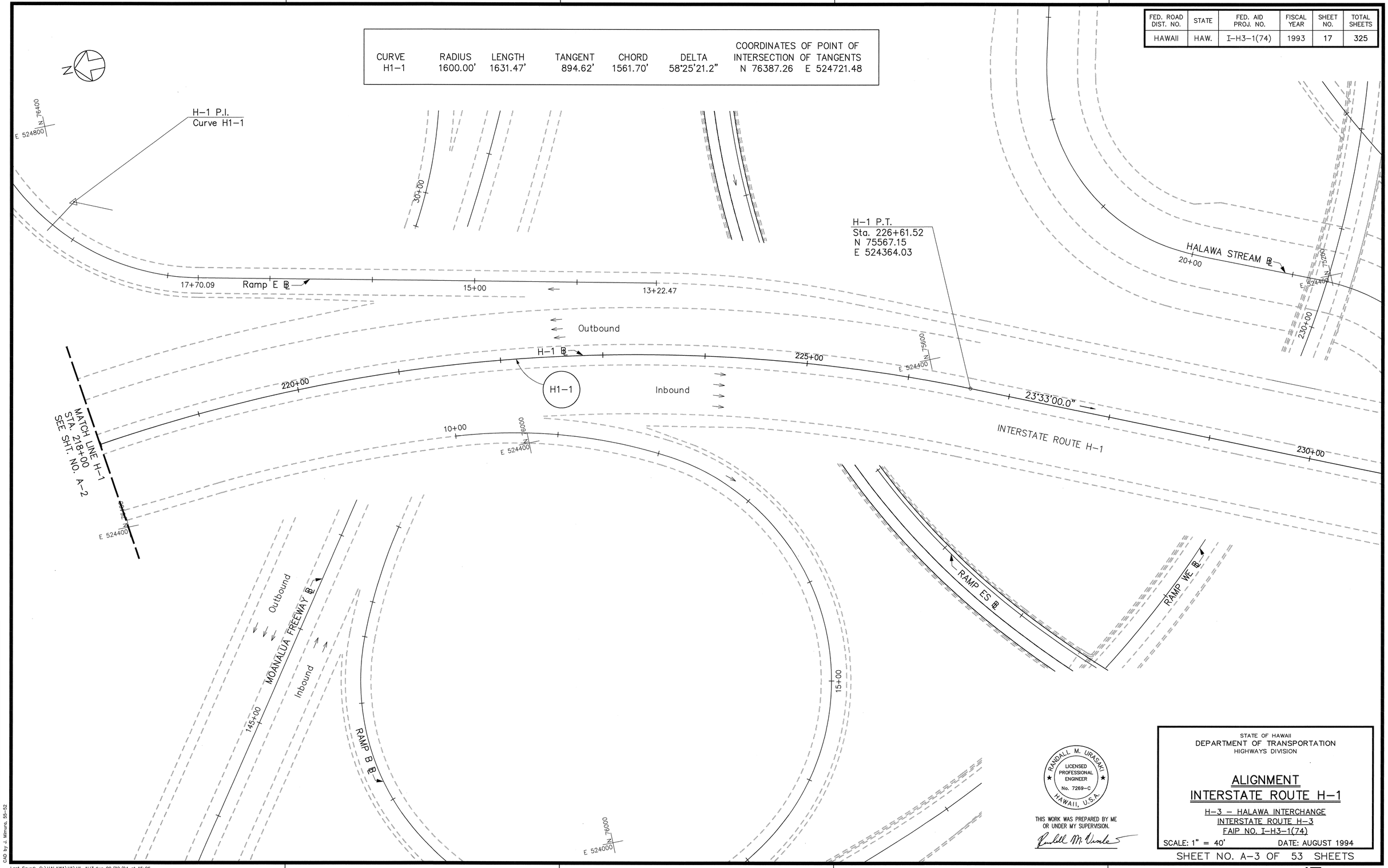
ORIGINAL PLAN
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE
NOTE BOOK No.

CAD by: J. Mimura, 55-52

Last Saved: G:\HALAWA\H1\H1-ALI2.dwg 09/22/94 at 15:02

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 17 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| H1-1 | 1600.00' | 1631.47' | 894.62' | 1561.70' | 58°25'21.2" | N 76387.26 E 524721.48 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\H1\H1-ALI3.dwg 09/22/94 at 15:06

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
# INTERSTATE ROUTE H-1

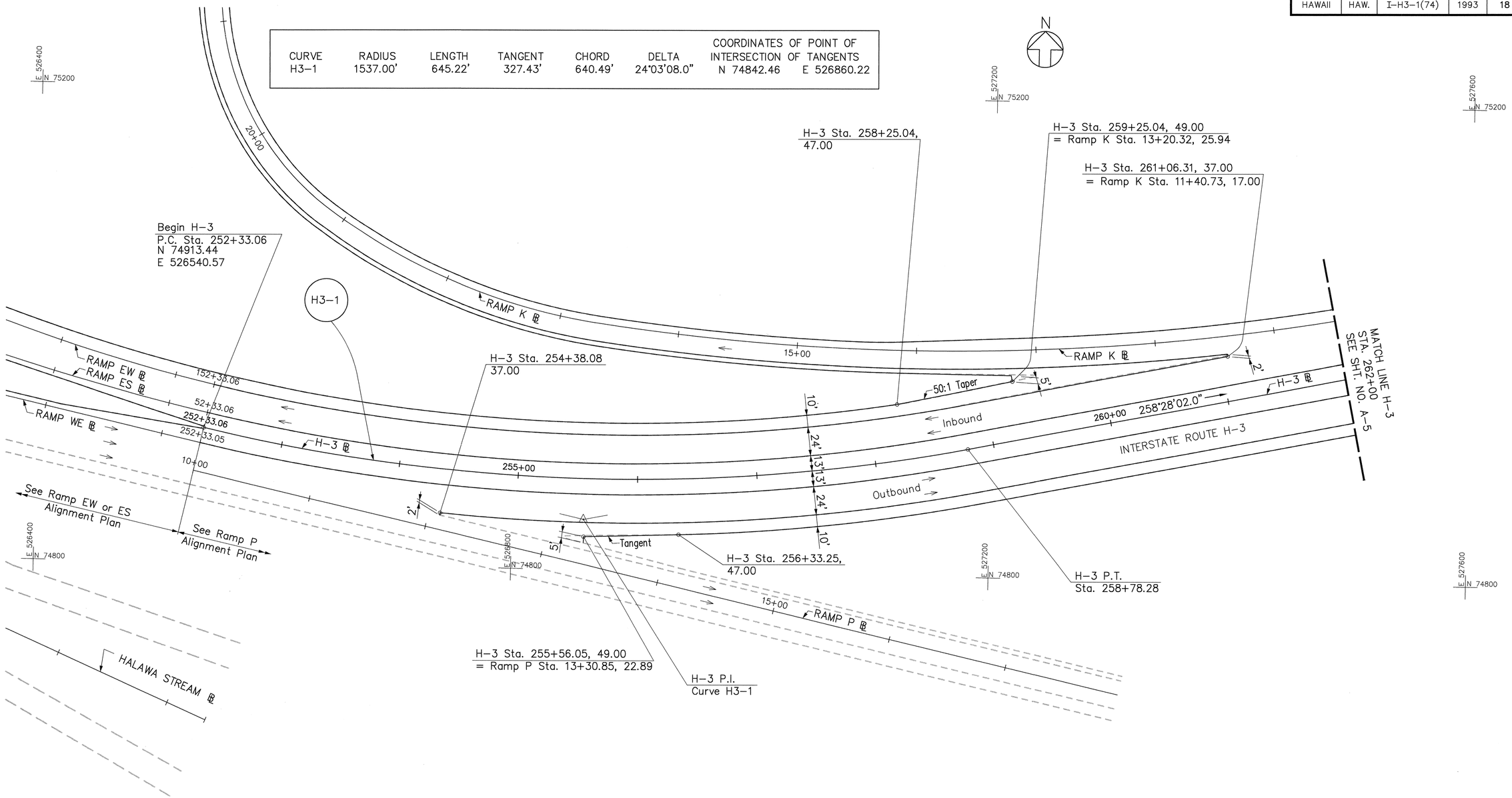
H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-3 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 18 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| H3-1 | 1537.00' | 645.22' | 327.43' | 640.49' | 24°03'08.0" | N 74842.46 E 526860.22 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\H3\H3-ALI1.dwg 09/23/94 at 08:39

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

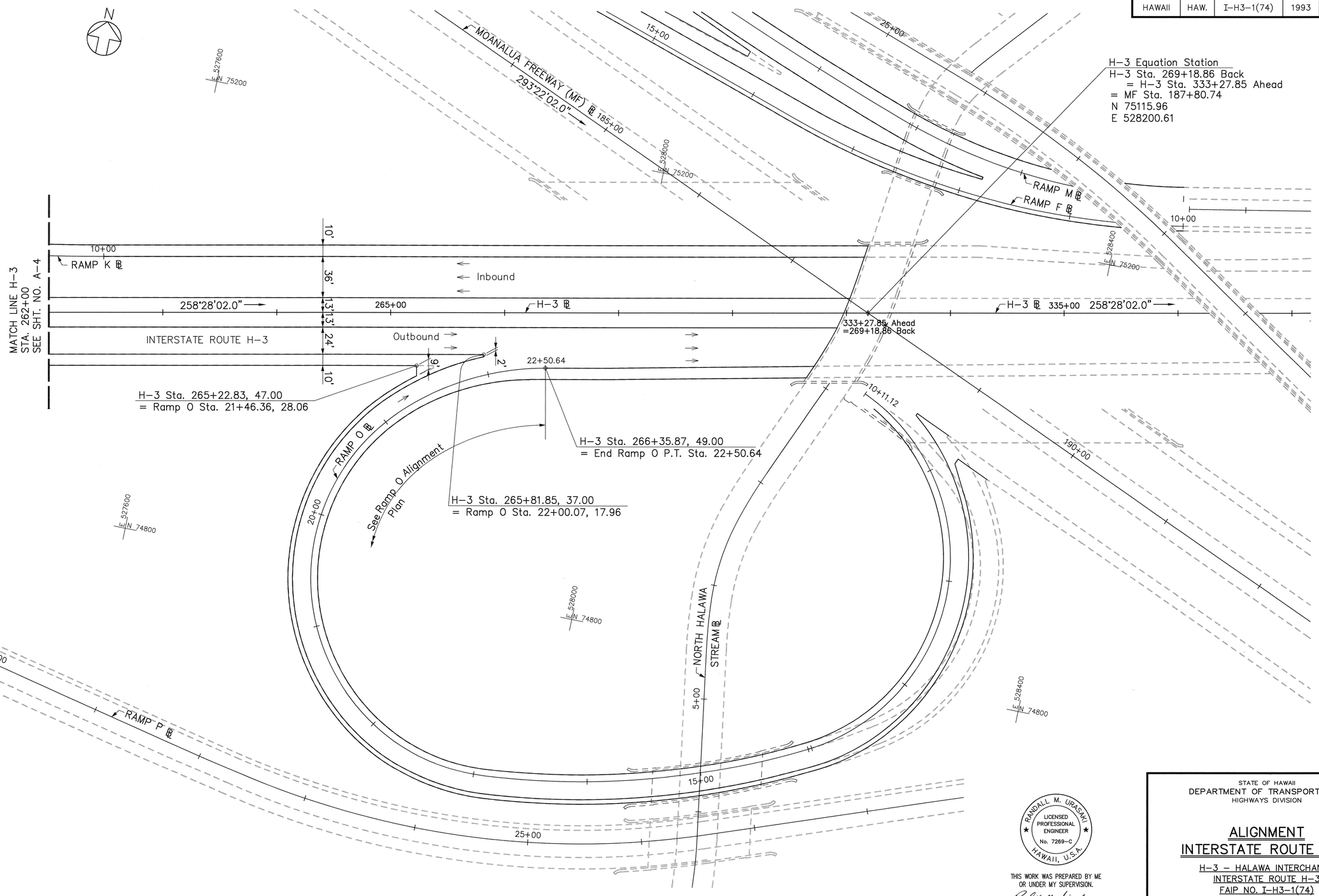
# ALIGNMENT
## INTERSTATE ROUTE H-3

H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-4 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 19 | 325 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\H3\H3-ALI2.dwg 09/23/94 at 08:43

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
# INTERSTATE ROUTE H-3

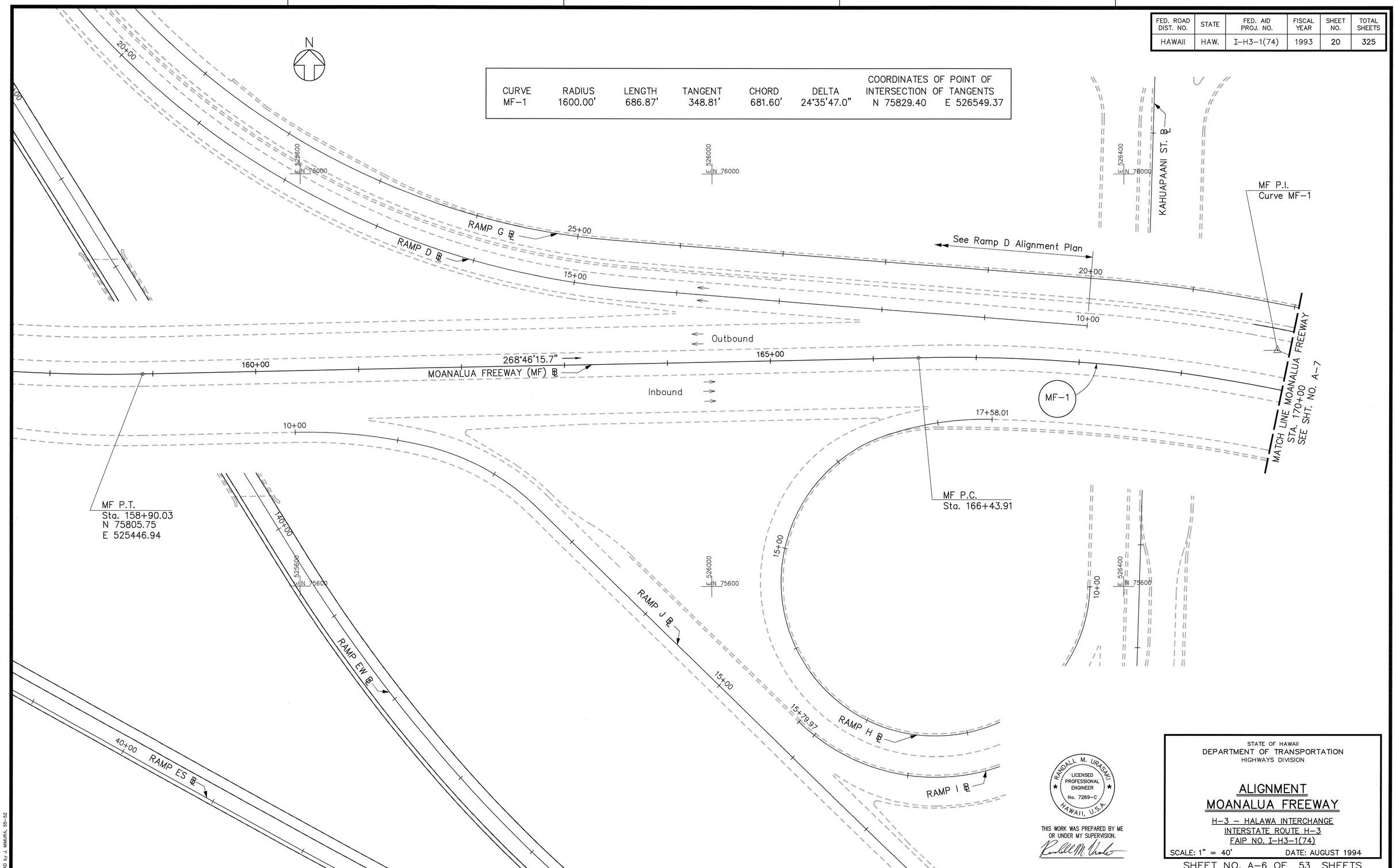
H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-5 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 20 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| MF-1 | 1600.00' | 686.87' | 348.81' | 681.60' | 24°35'47.0" | N 75829.40 E 526549.37 |




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

CAD by J. MIMURA, 55-52

Last Saved: G:\HALAWA\MF\MF-AL11.dwg 09/23/94 at 08:11

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

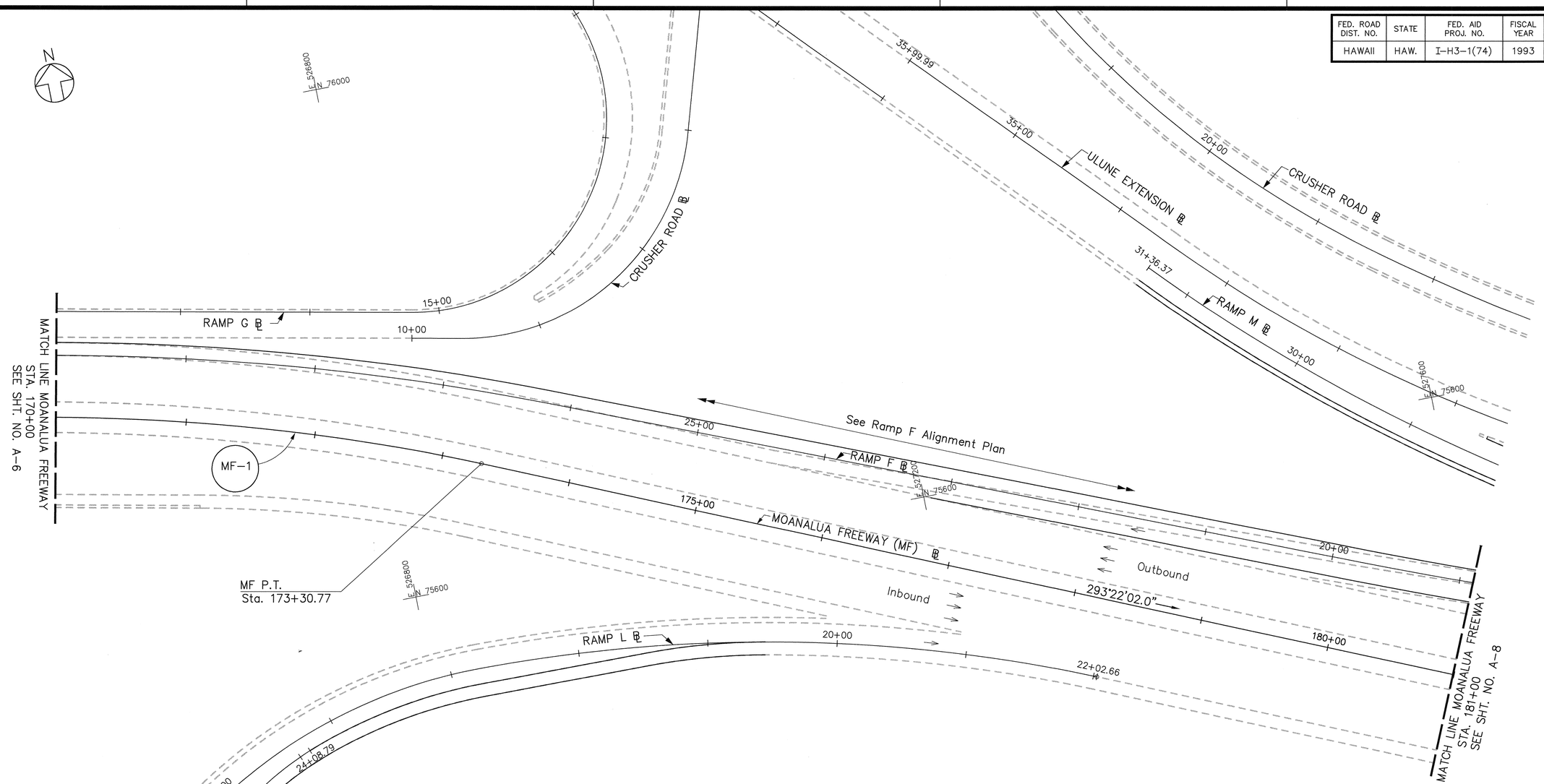
# ALIGNMENT
# MOANALUA FREEWAY

H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-6 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 21 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| MF-1 | 1600.00' | 686.87' | 348.81' | 681.60' | 24°35'47.0" | N 75829.40 E 526549.37 |

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
# MOANALUA FREEWAY

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

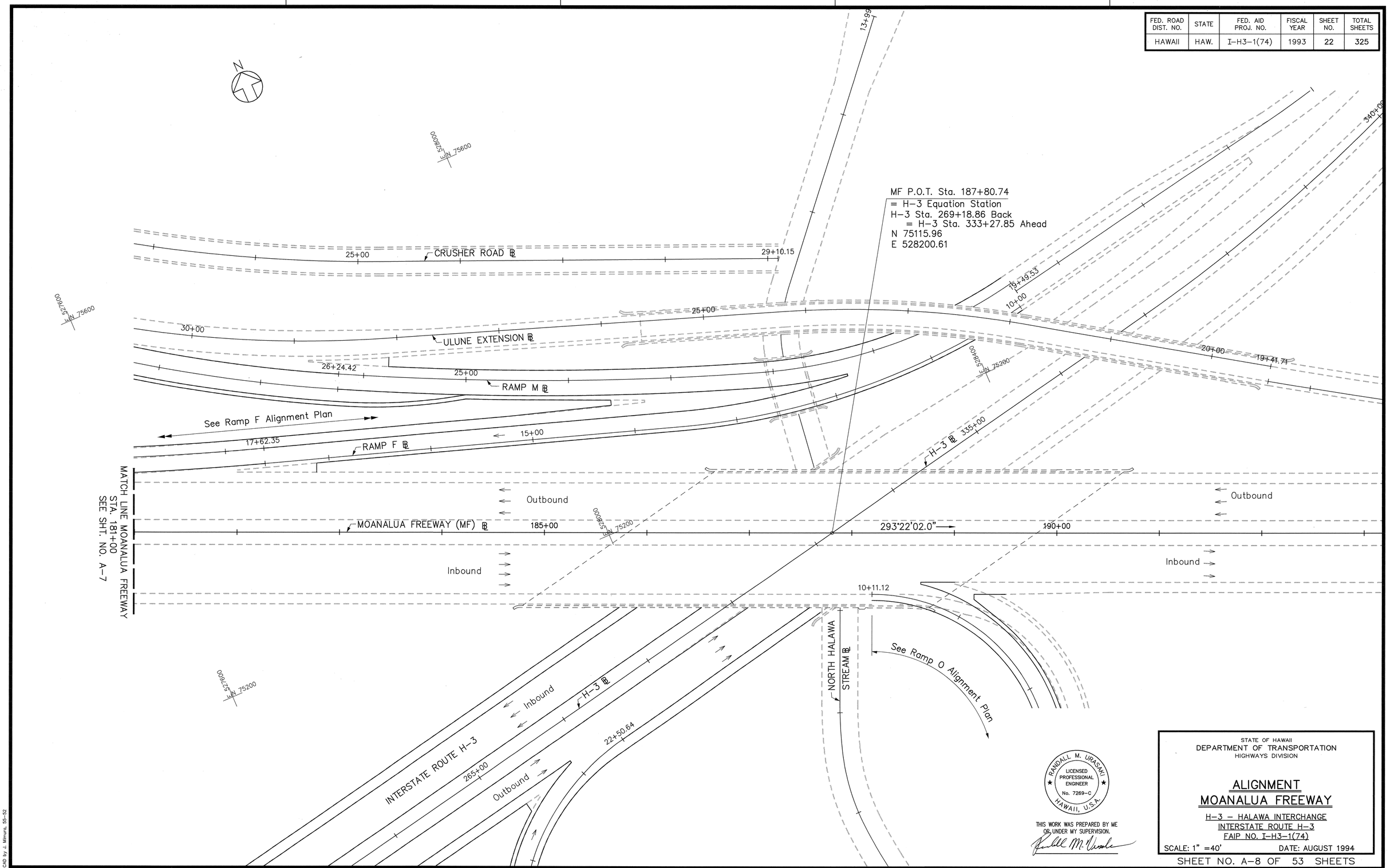
SHEET NO. A-7 OF 53 SHEETS

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

CAD by J. Minura, 55-52

Last Saved: G:\HALAWA\MF\MF-ALI2.dwg 09/23/94 at 10:49

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 22 | 325 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\MF\MF-ALI3.dwg 10/18/94 at 10:15

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
# MOANALUA FREEWAY

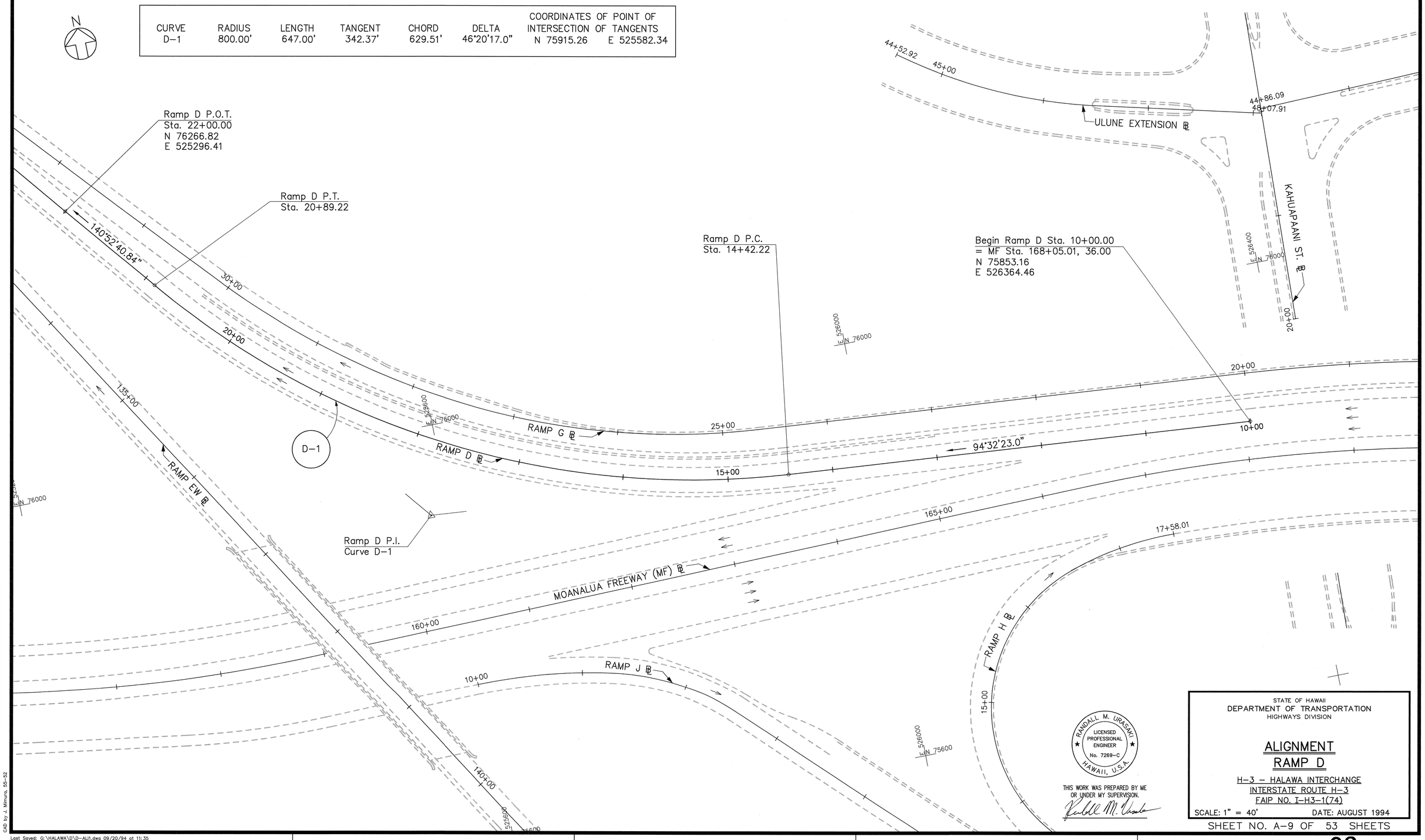
H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" =40' DATE: AUGUST 1994

SHEET NO. A-8 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 23 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| D-1 | 800.00' | 647.00' | 342.37' | 629.51' | 46°20'17.0" | N 75915.26 E 525582.34 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\D\D-ALI1.dwg 09/20/94 at 11:35

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
## RAMP D

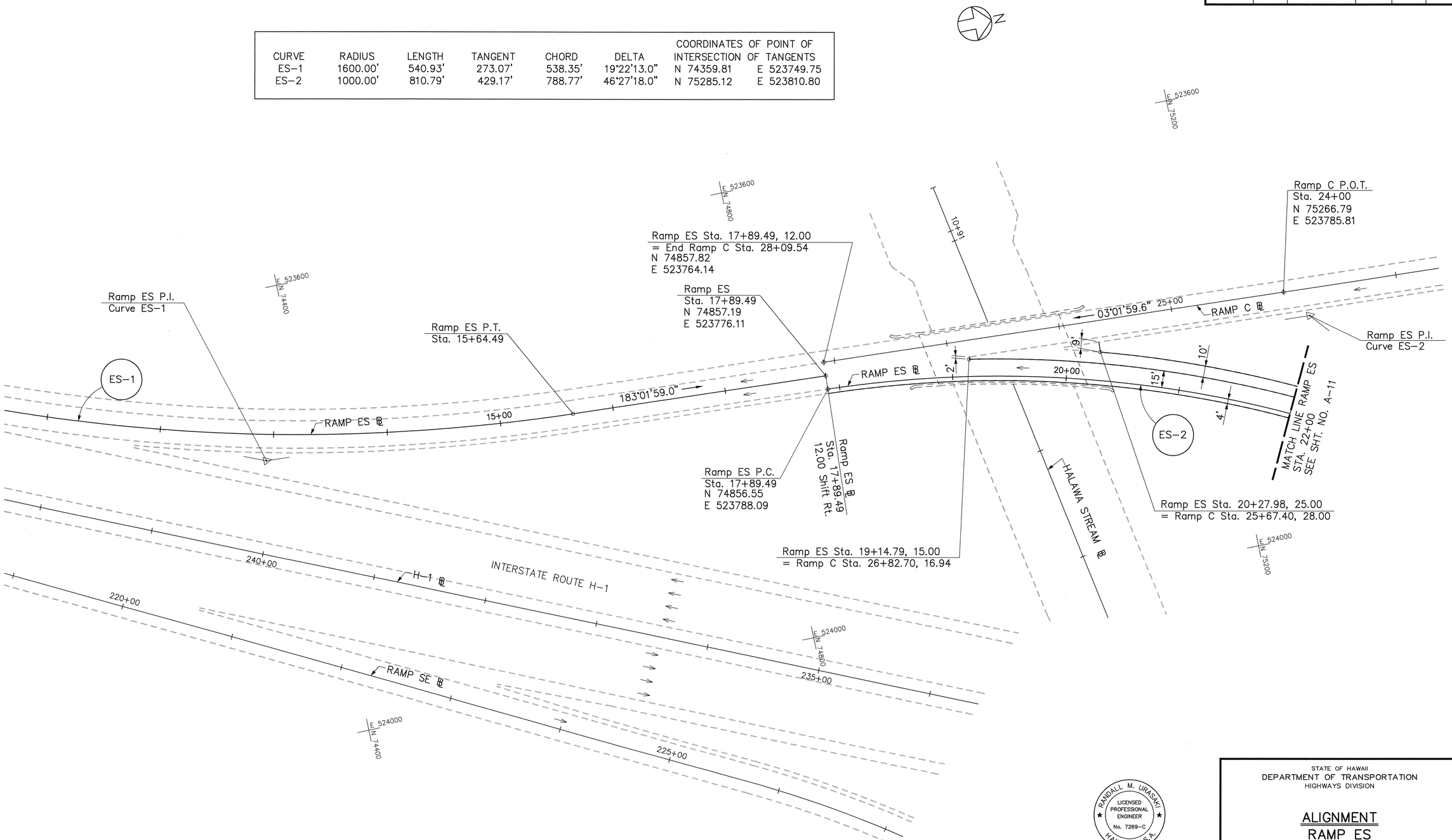
H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-9 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 24 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| ES-1 | 1600.00' | 540.93' | 273.07' | 538.35' | 19°22'13.0" | N 74359.81 | E 523749.75 |
| ES-2 | 1000.00' | 810.79' | 429.17' | 788.77' | 46°27'18.0" | N 75285.12 | E 523810.80 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\ES\ES-AL11.dwg 09/20/94 at 16:01

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

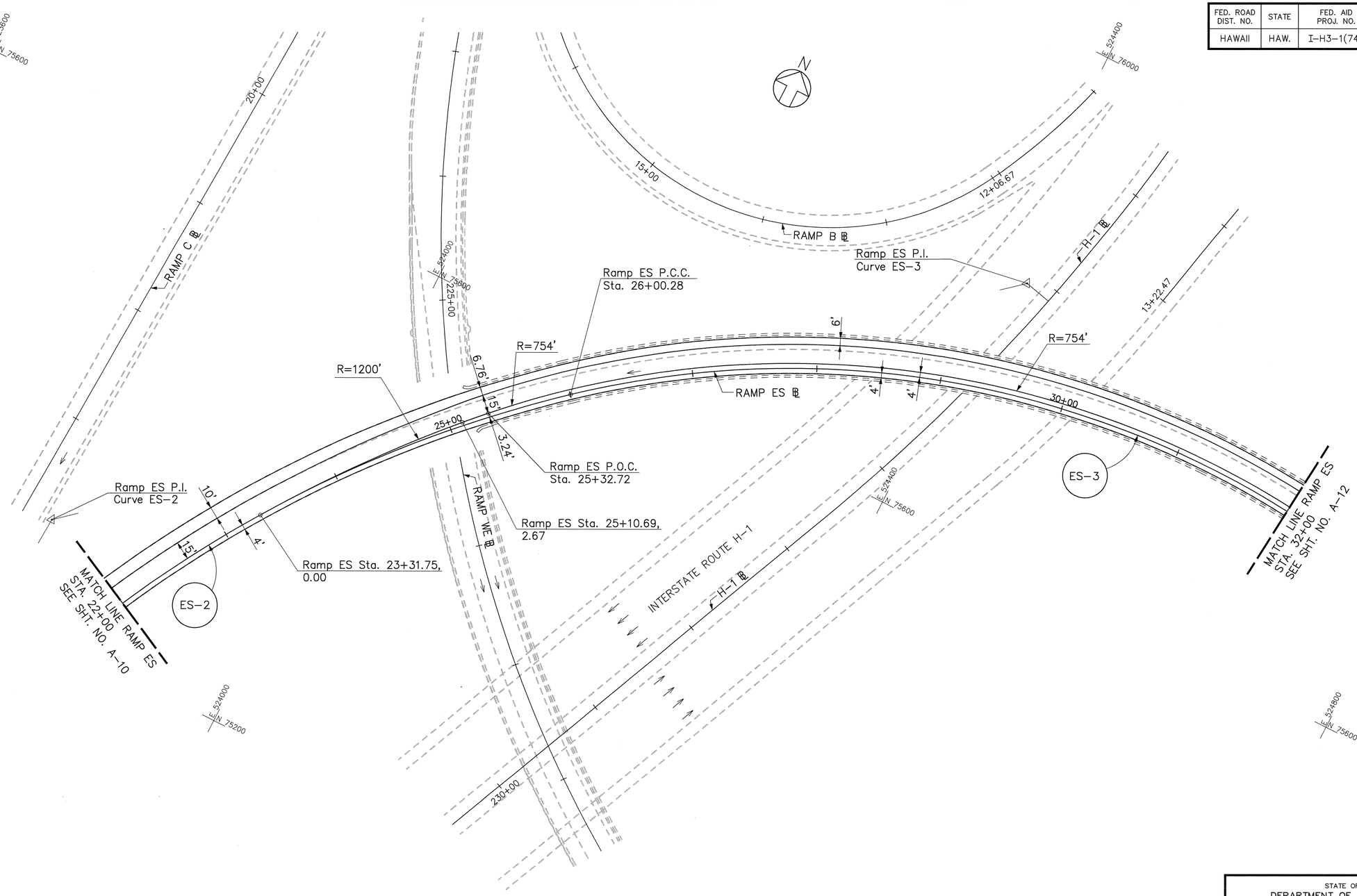
## ALIGNMENT
## RAMP ES

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-10 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 25 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| ES-2 | 1000.00' | 810.79' | 429.17' | 788.77' | 46°27'18.0" | N 75285.12 | E 523810.80 |
| ES-3 | 750.00' | 699.90' | 377.77' | 674.78' | 53°28'05.0" | N 75809.31 | E 524424.31 |

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

CAD by J. Minura, 55-52

Last Saved: G:\HALAWA\ES\ES-ALI2.dwg 09/20/94 at 16:05

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

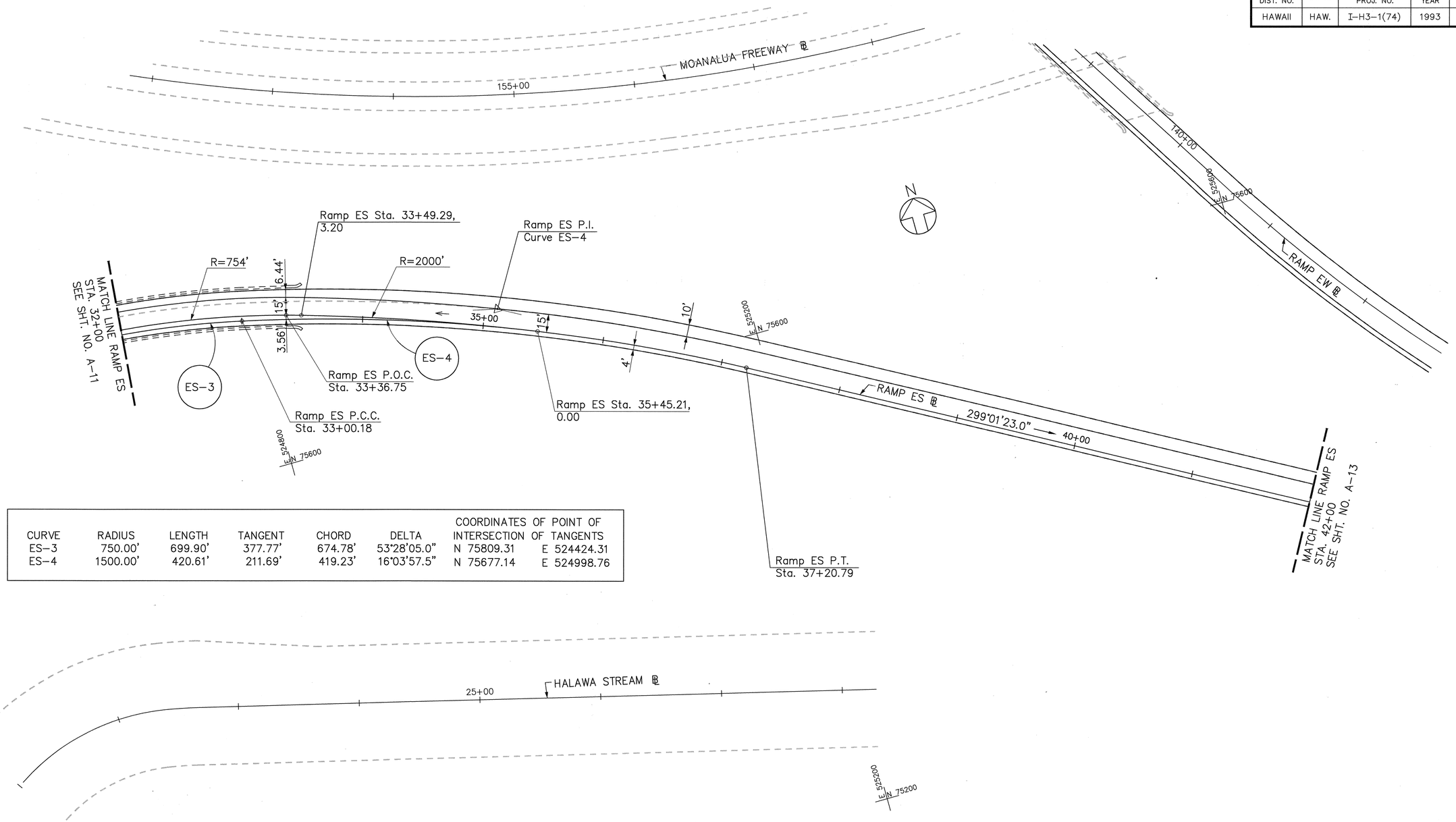
# ALIGNMENT
# RAMP ES

H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-11 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 26 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| ES-3 | 750.00' | 699.90' | 377.77' | 674.78' | 53°28'05.0" | N 75809.31 | E 524424.31 |
| ES-4 | 1500.00' | 420.61' | 211.69' | 419.23' | 16°03'57.5" | N 75677.14 | E 524998.76 |

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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\ES\ES-ALI3.dwg 09/20/94 at 16:11

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## ALIGNMENT
## RAMP ES

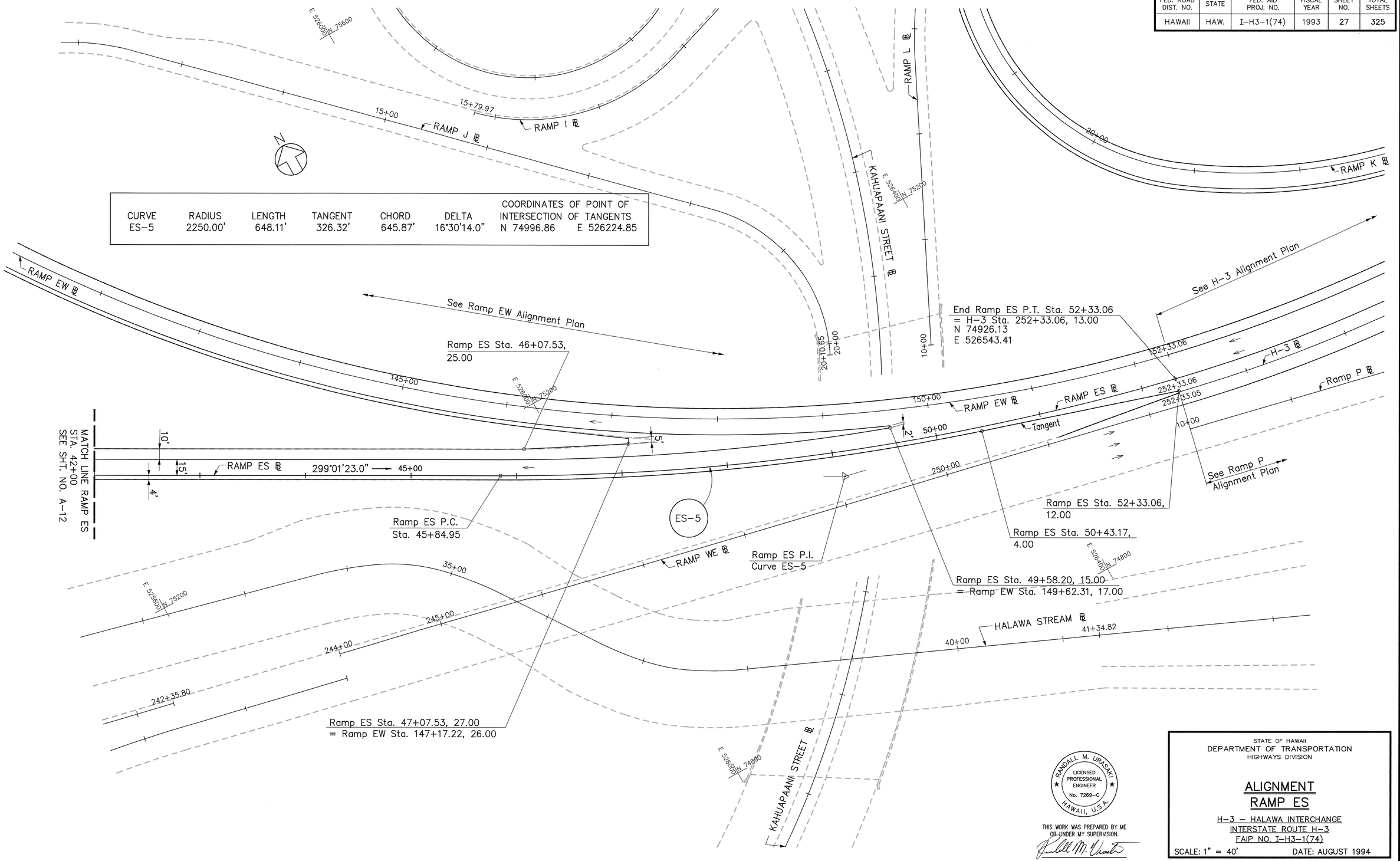
H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-12 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 27 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| ES-5 | 2250.00' | 648.11' | 326.32' | 645.87' | 16°30'14.0" | N 74996.86 E 526224.85 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\ES\ES-ALI4.dwg 09/20/94 at 16:14

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

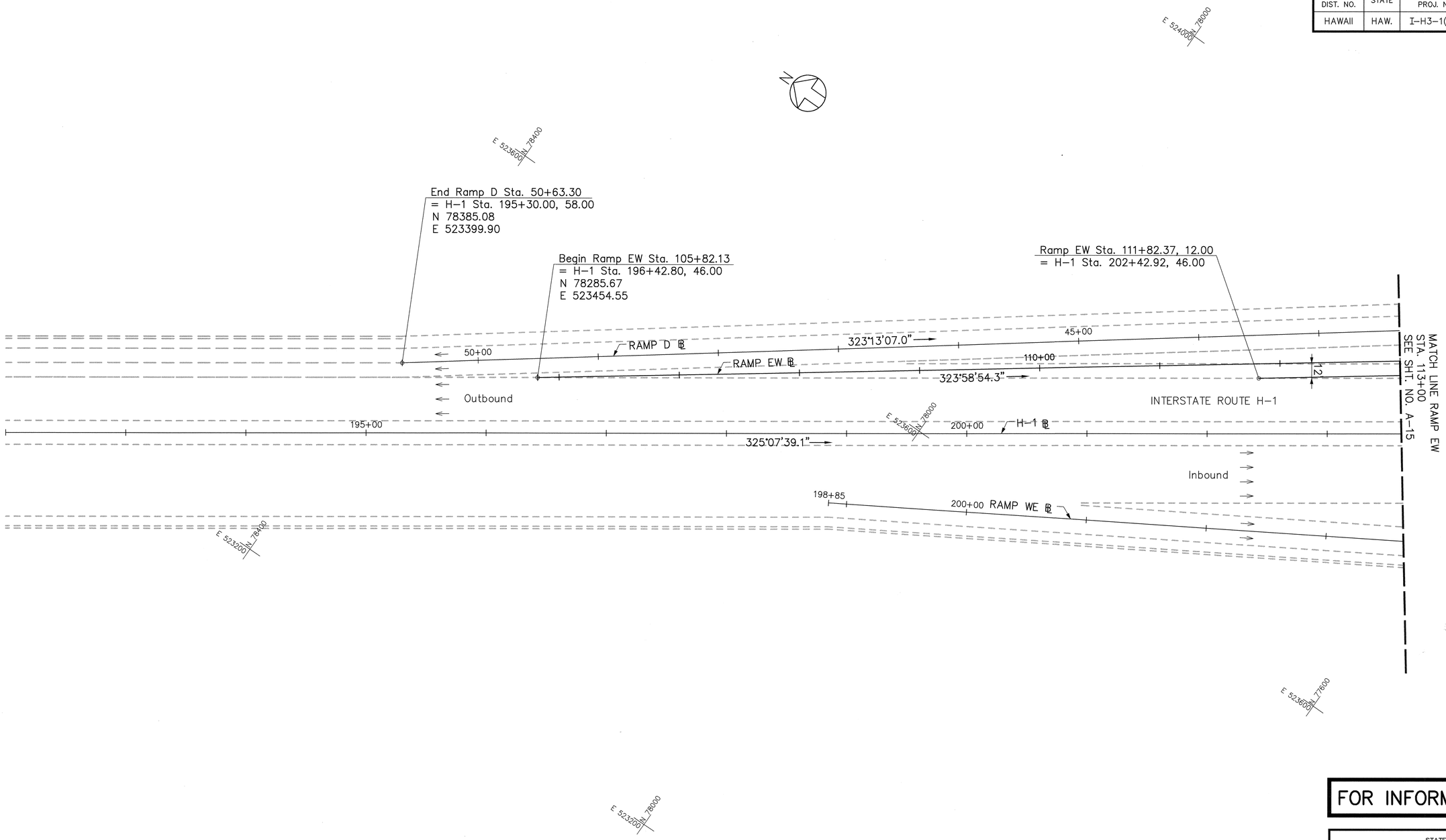
# ALIGNMENT
# RAMP ES

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-13 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 28 | 325 |




FOR INFORMATION ONLY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## ALIGNMENT
## RAMP EW

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

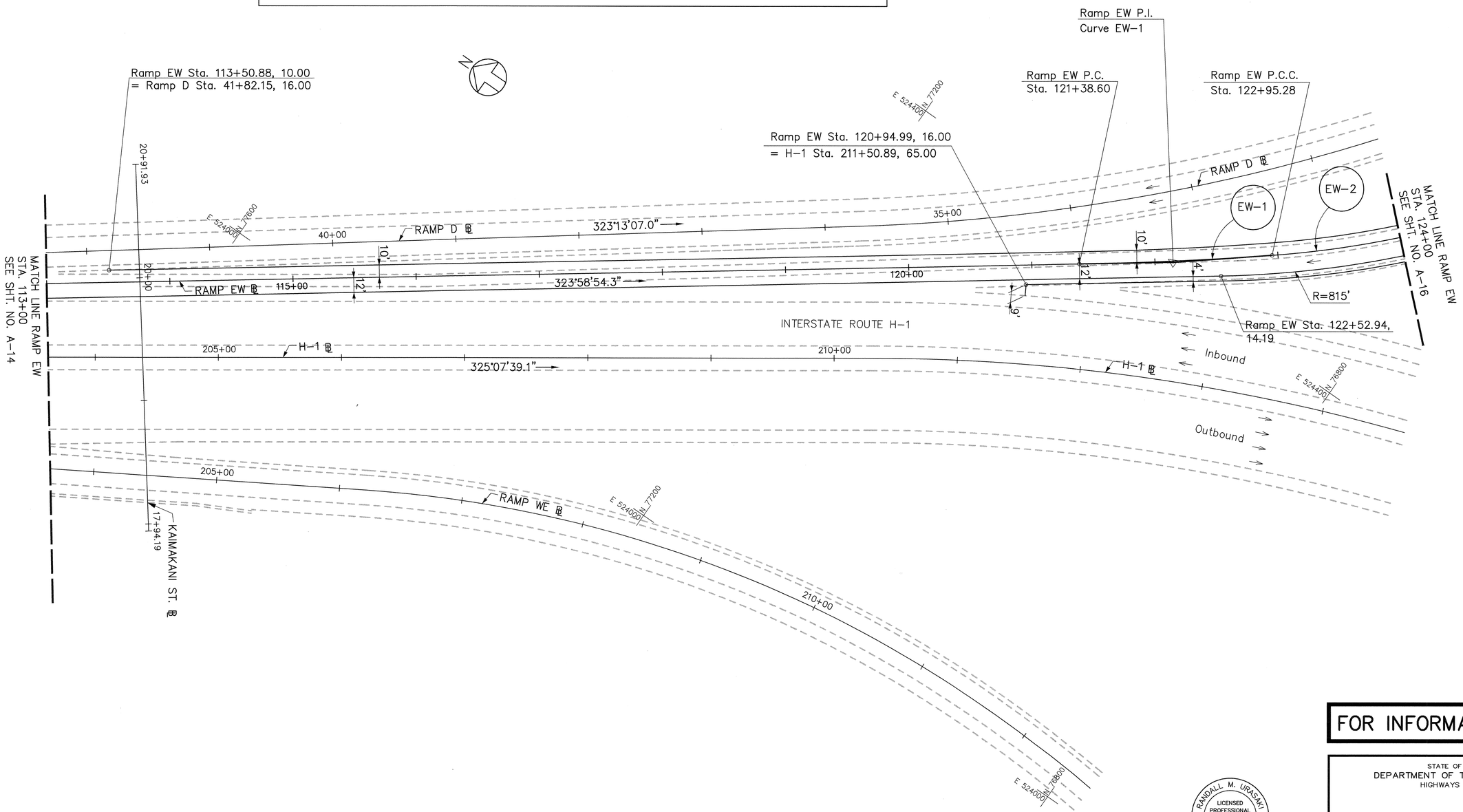
ORIGINAL PLAN
SURVEY PLOTTED BY ____ DATE ____
DRAWN BY ____
TRACED BY ____
DESIGNED BY ____
QUANTITIES BY ____
CHECKED BY ____
NOTE BOOK No. ____

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\EW\EW-ALI1.dwg 09/22/94 at 10:29

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 29 | 325 |

| CURVE | RADIUS | ARC LENGTH' | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| EW-1 | 3000.00' | 156.69' | 78.36' | 156.67' | 02°59'33.0" | N 76963.37 E 524415.90 |
| EW-2 | 800.00' | 286.41' | 144.75' | 284.88' | 20°30'45.4" | N 76790.01 E 524556.35 |




FOR INFORMATION ONLY

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## ALIGNMENT
## RAMP EW

H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SHEET NO. A-15 OF 53 SHEETS

29

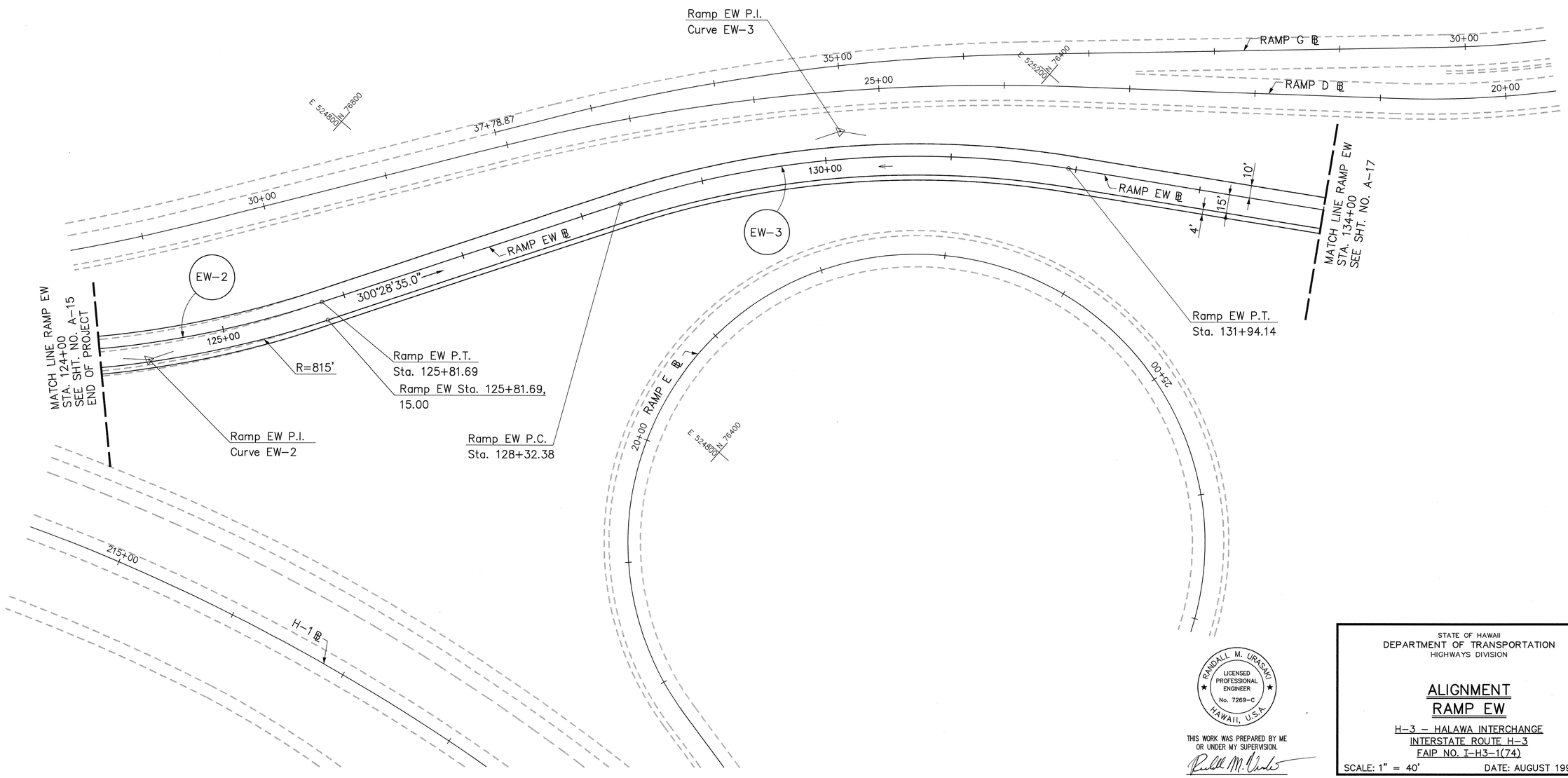
ORIGINAL PLAN
SURVEY PLOTTED BY ____ DATE ____
DRAWN BY ____
TRACED BY ____
NOTE BOOK DESIGNED BY ____
QUANTITIES BY ____
No. ____ CHECKED BY ____

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\EW\EW-ALI2.dwg 09/22/94 at 10:43

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 30 | 325 |

| CURVE | RADIUS | ARC LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| EW-2 | 800.00' | 286.41' | 144.75' | 284.88' | 20°30'45.4" | N 76790.01 E 524556.35 |
| EW-3 | 750.00' | 361.75' | 184.47' | 358.26' | 27°38'09.0" | N 76495.88 E 525056.14 |




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

CAD by E. LEBSACK

Last Saved: G:\HALAWA\EW\EW-ALI3.dwg 10/11/94 at 11:27

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
# RAMP EW

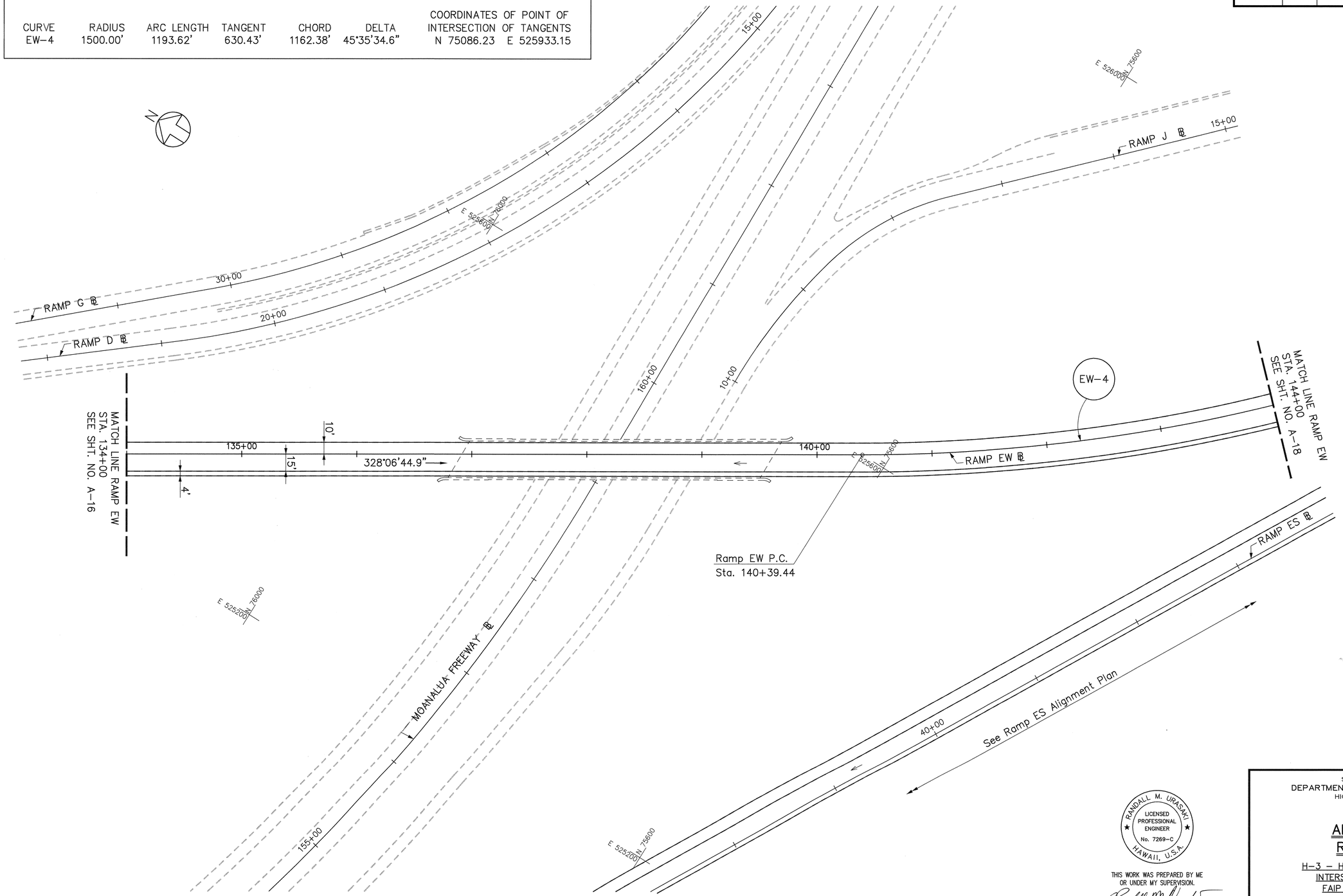
H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-16 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 31 | 325 |

| CURVE | RADIUS | ARC LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| EW-4 | 1500.00' | 1193.62' | 630.43' | 1162.38' | 45°35'34.6" | N 75086.23 E 525933.15 |




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

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## ALIGNMENT
## RAMP EW

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

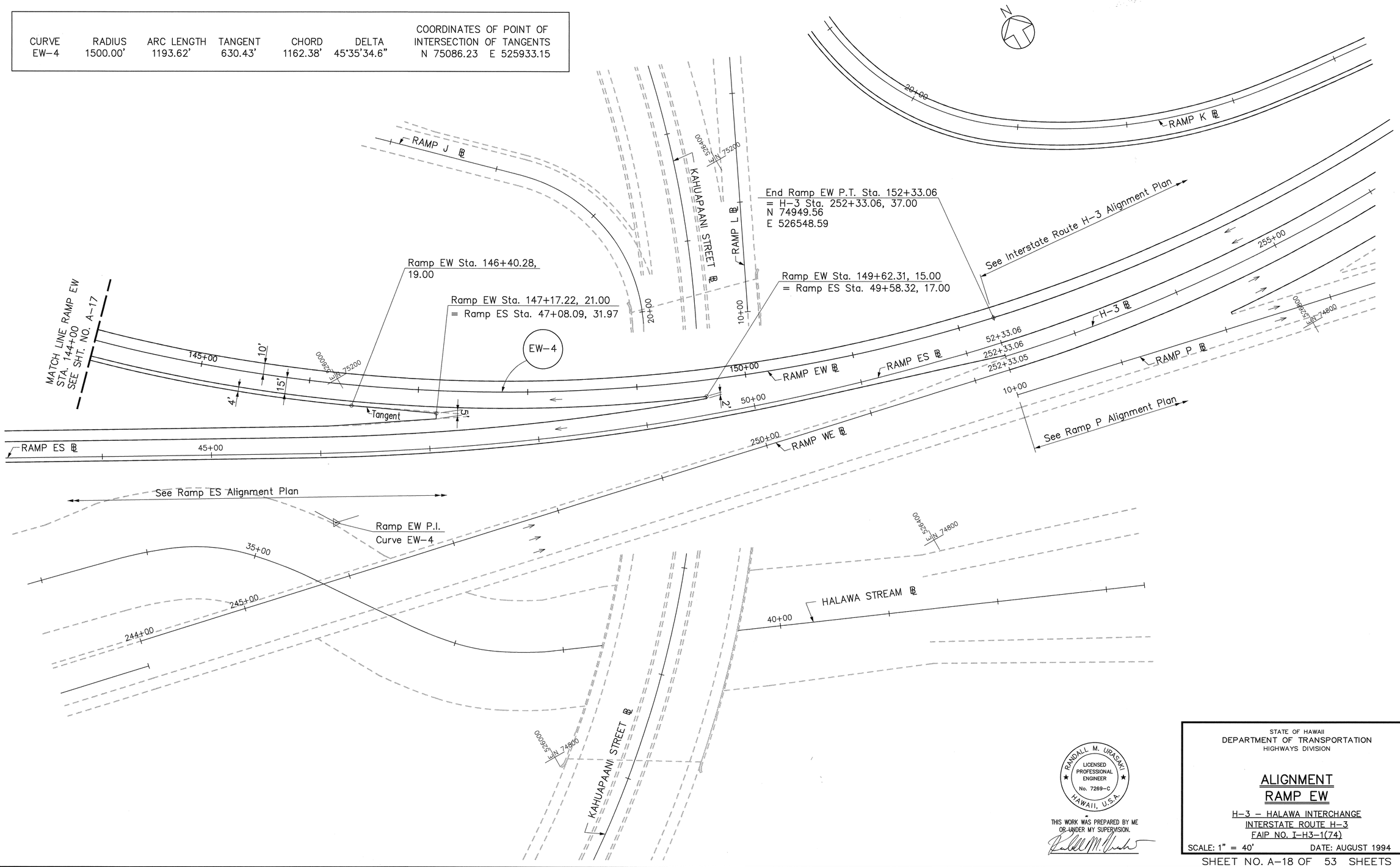
SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-17 OF 53 SHEETS

Last Saved: G:\HALAWA\EW\EW-ALI4.dwg 09/22/94 at 10:51

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 32 | 325 |

| CURVE | RADIUS | ARC LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| EW-4 | 1500.00' | 1193.62' | 630.43' | 1162.38' | 45°35'34.6" | N 75086.23 E 525933.15 |




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

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
# RAMP EW

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

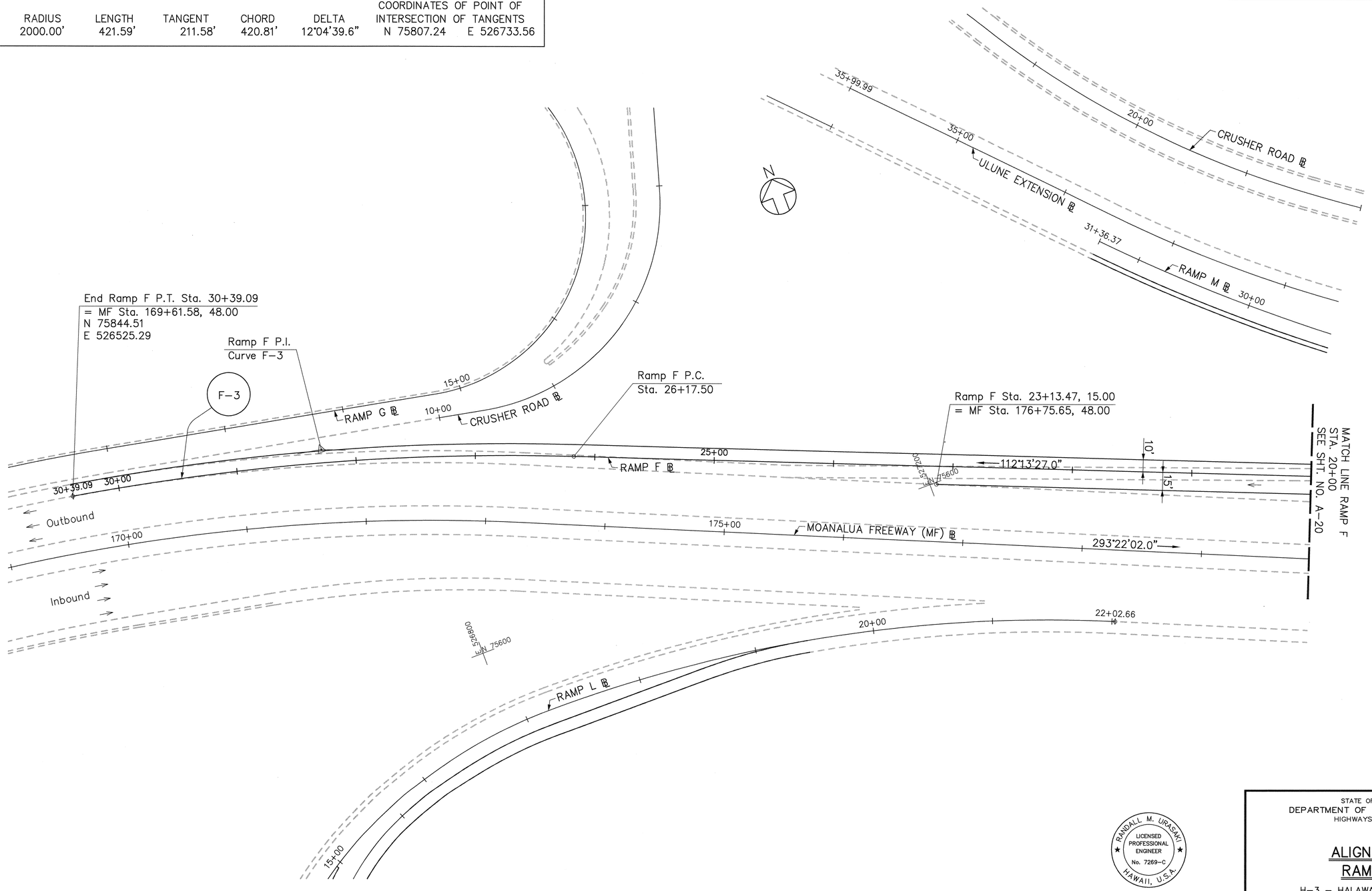
SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-18 OF 53 SHEETS

Last Saved: G:\HALAWA\EW\EW-ALI5.dwg 09/22/94 at 10:53

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 33 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| F-3 | 2000.00' | 421.59' | 211.58' | 420.81' | 12°04'39.6" | N 75807.24 E 526733.56 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\F\F-AL11.dwg 09/22/94 at 13:03

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
# RAMP F

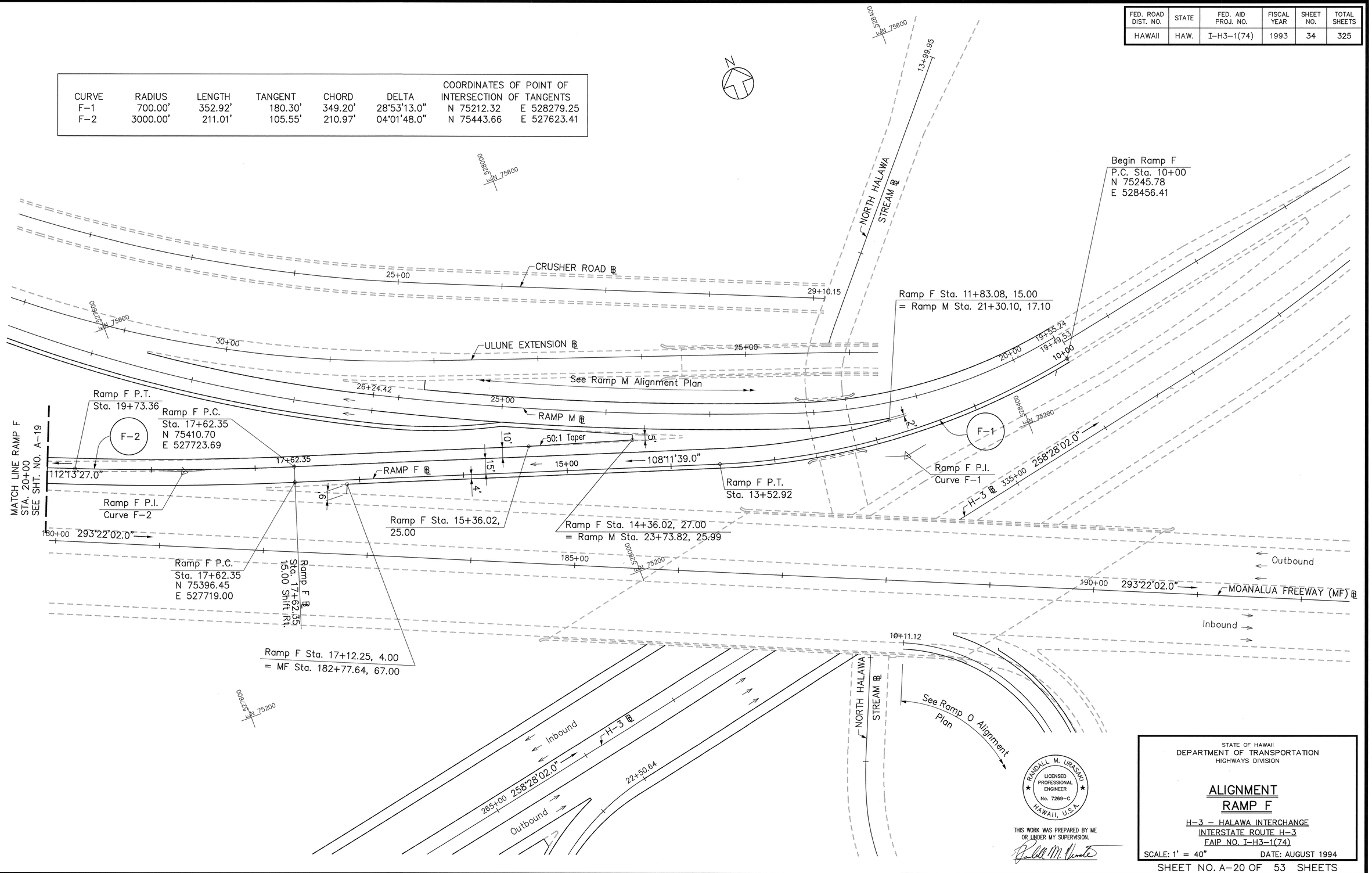
H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-19 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 34 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| F-1 | 700.00' | 352.92' | 180.30' | 349.20' | 28°53'13.0" | N 75212.32 | E 528279.25 |
| F-2 | 3000.00' | 211.01' | 105.55' | 210.97' | 04°01'48.0" | N 75443.66 | E 527623.41 |




THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## ALIGNMENT
## RAMP F

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1' = 40" DATE: AUGUST 1994

SHEET NO. A-20 OF 53 SHEETS

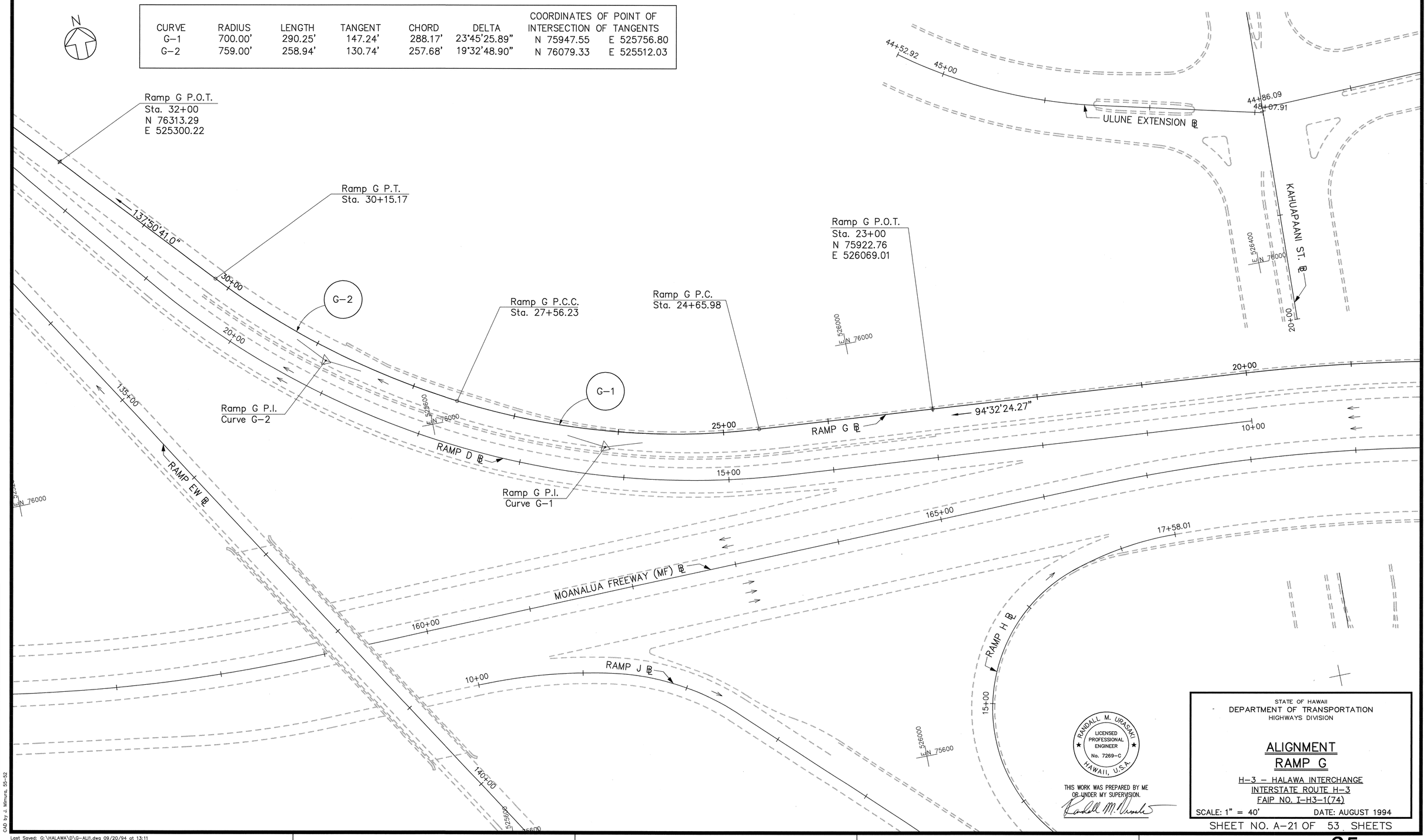
ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE | NOTE BOOK | No.

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\F\F-ALI2.dwg 09/22/94 at 13:21

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 35 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| G-1 | 700.00' | 290.25' | 147.24' | 288.17' | 23°45'25.89" | N 75947.55 | E 525756.80 |
| G-2 | 759.00' | 258.94' | 130.74' | 257.68' | 19°32'48.90" | N 76079.33 | E 525512.03 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\D\G-ALI1.dwg 09/20/94 at 13:11

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

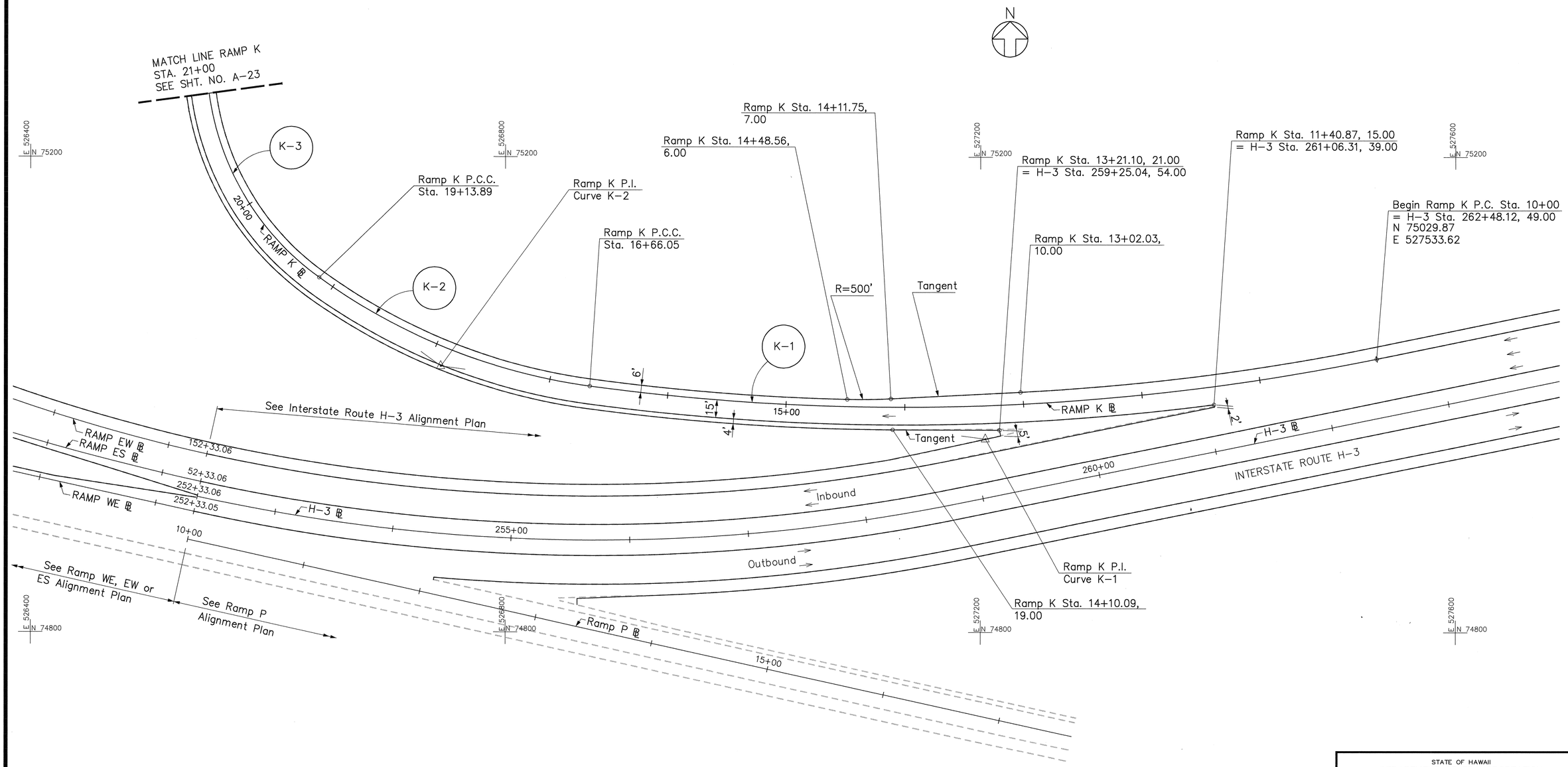
## ALIGNMENT
## RAMP G

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-21 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 36 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| K-1 | 2000.00' | 666.05' | 336.14' | 662.98' | 19°04'51.0" | N 74962.68 | E 527204.27 |
| K-2 | 500.00' | 247.84' | 126.52' | 245.31' | 28°24'00.0" | N 75023.47 | E 526745.60 |
| K-3 | 230.00' | 494.90' | 426.13' | 404.80' | 123°17'05.5" | N 75347.92 | E 526298.21 |

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

CAD by:

Last Saved: G:\HALAWA\K\K-ALI1.dwg 09/22/94 at 15:43

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
# RAMP K

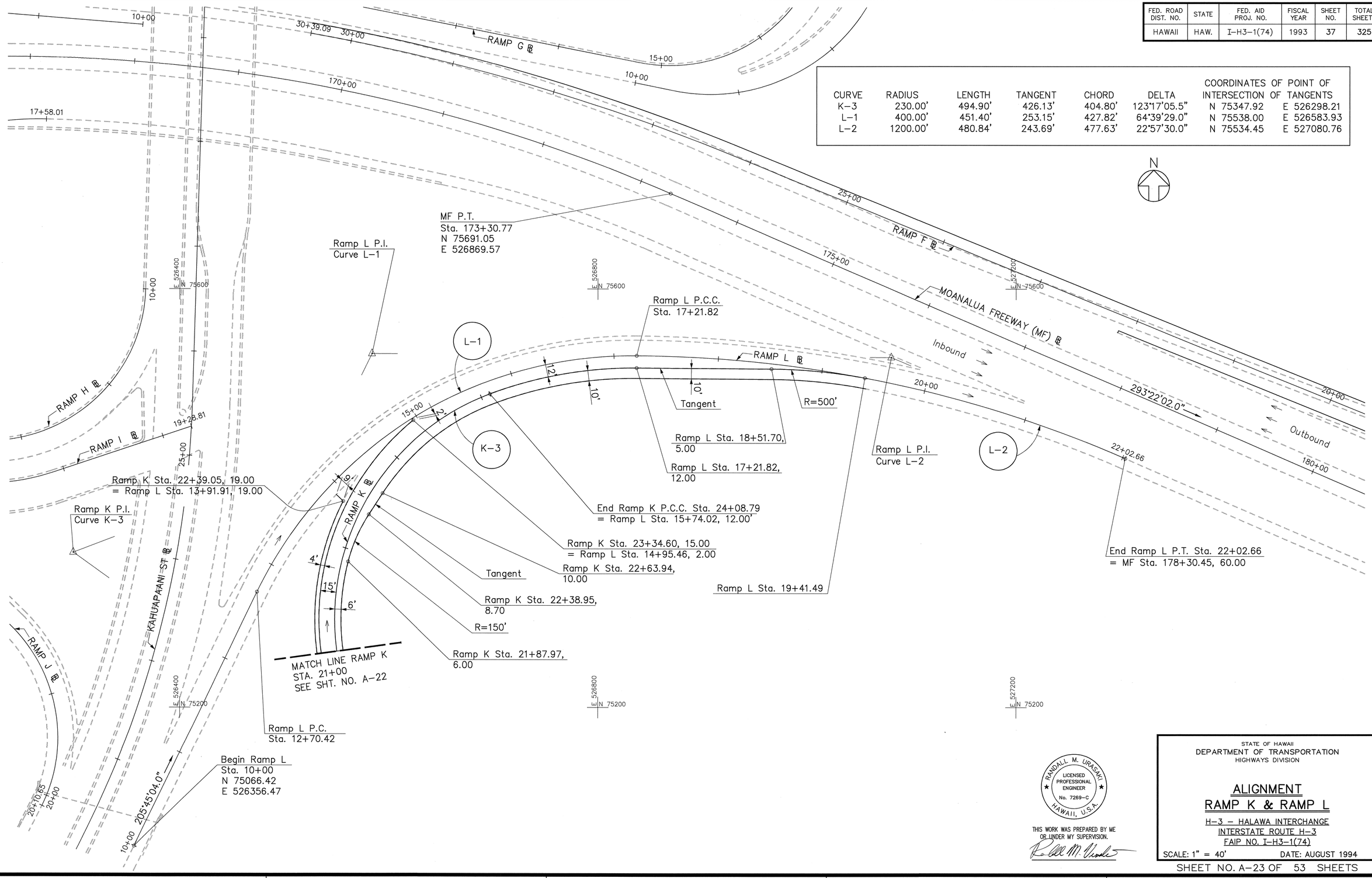
H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-22 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 37 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| K-3 | 230.00' | 494.90' | 426.13' | 404.80' | 123°17'05.5" | N 75347.92 | E 526298.21 |
| L-1 | 400.00' | 451.40' | 253.15' | 427.82' | 64°39'29.0" | N 75538.00 | E 526583.93 |
| L-2 | 1200.00' | 480.84' | 243.69' | 477.63' | 22°57'30.0" | N 75534.45 | E 527080.76 |




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

CAD by J. MIMURA, 55-52

Last Saved: G:\HALAWA\K\K-ALI2.dwg 08/10/94 at 15:31

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

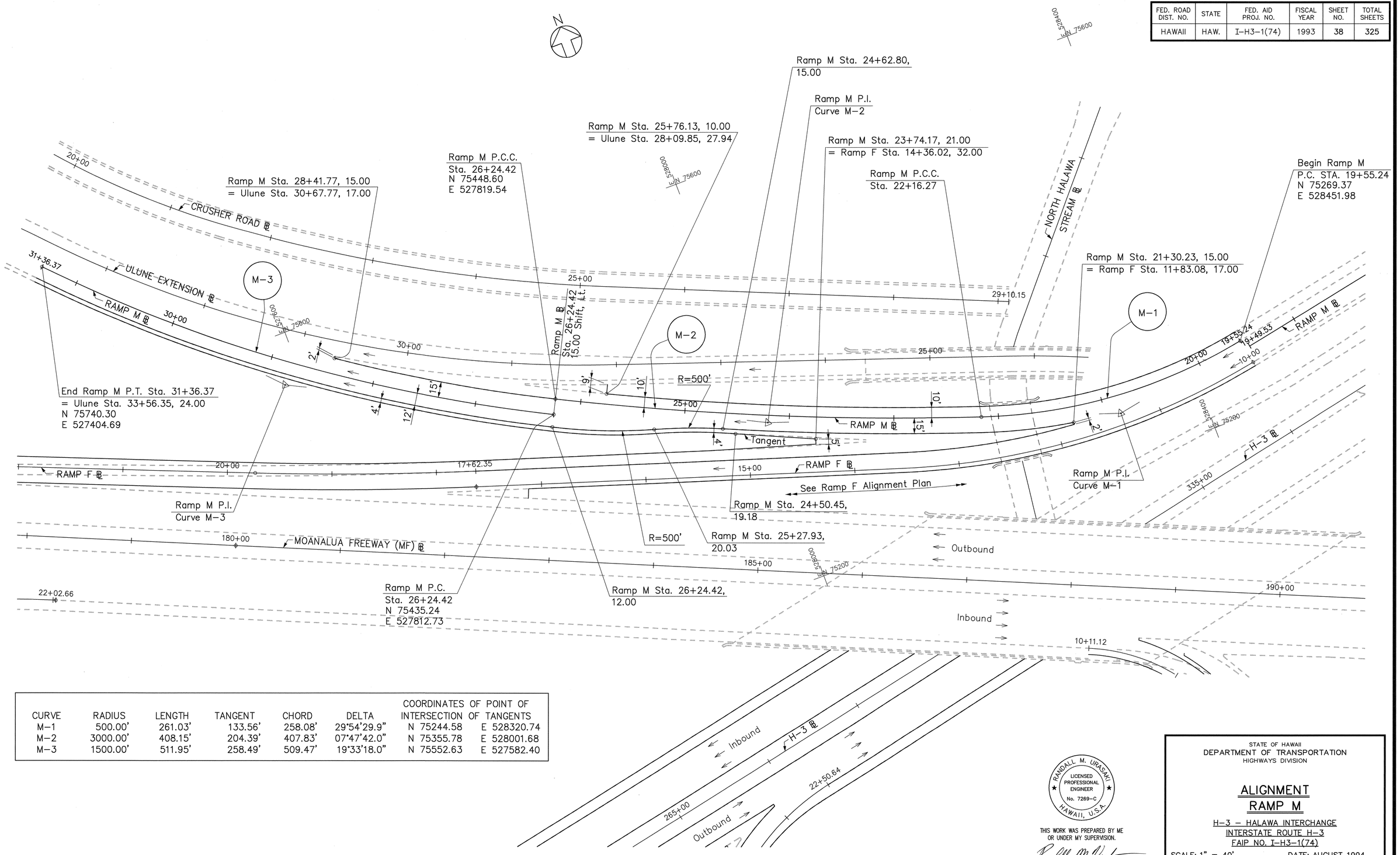
## ALIGNMENT
## RAMP K & RAMP L

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-23 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 38 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| M-1 | 500.00' | 261.03' | 133.56' | 258.08' | 29°54'29.9" | N 75244.58 | E 528320.74 |
| M-2 | 3000.00' | 408.15' | 204.39' | 407.83' | 07°47'42.0" | N 75355.78 | E 528001.68 |
| M-3 | 1500.00' | 511.95' | 258.49' | 509.47' | 19°33'18.0" | N 75552.63 | E 527582.40 |

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
## RAMP M

H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

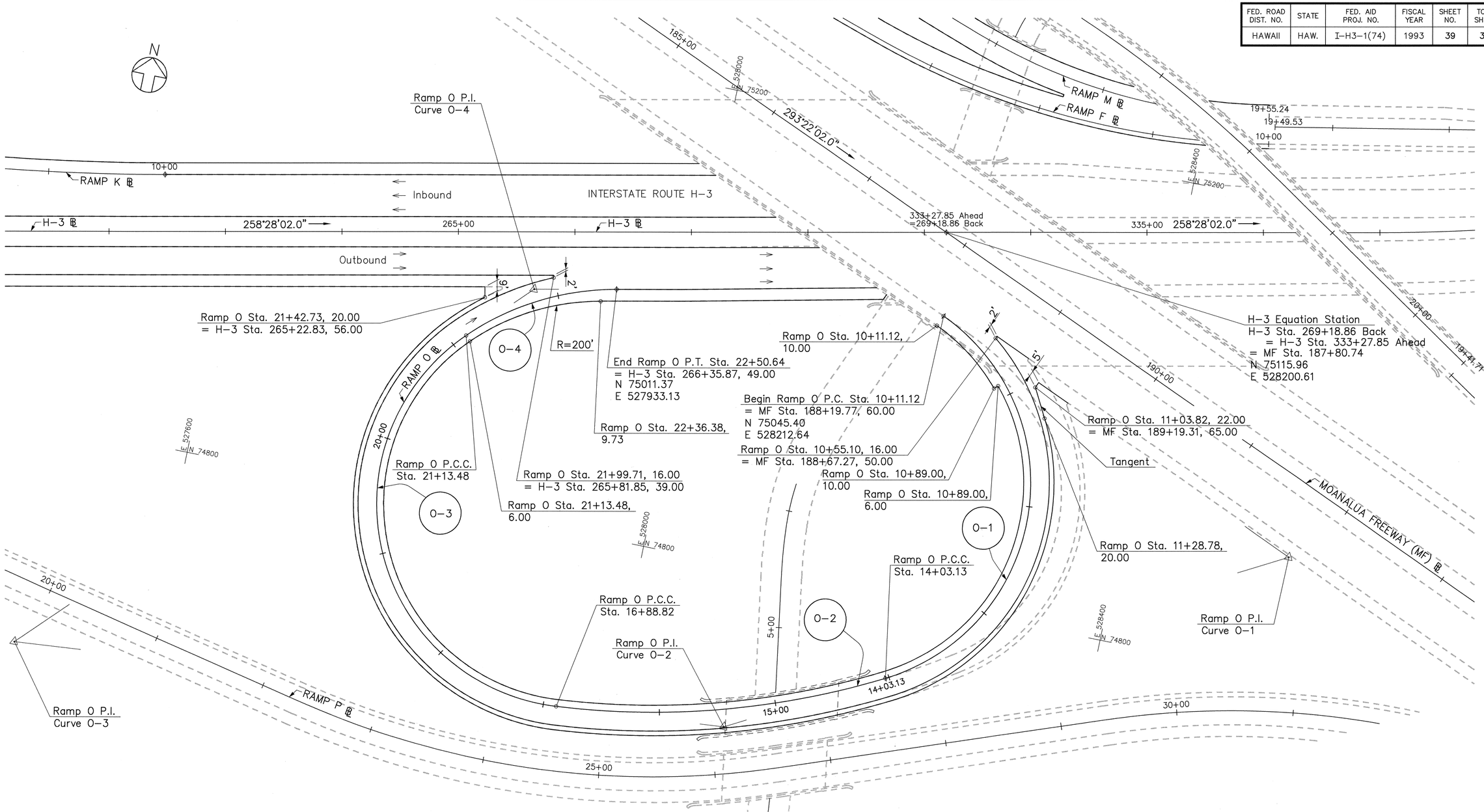
SHEET NO. A-24 OF 53 SHEETS

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

CAD by J. MIMURA, 55-52

Last Saved: G:\HALAWA\M\M-ALI1.dwg 09/23/94 at 07:47

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 39 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| O-1 | 175.00' | 392.01' | 361.57' | 315.04' | 128°20'47.0" | N 74901.99 | E 528544.56 |
| O-2 | 695.00' | 285.68' | 144.89' | 283.68' | 23°33'06.0" | N 74661.99 | E 528098.57 |
| O-3 | 175.00' | 424.66' | 468.50' | 327.87' | 139°02'07.5" | N 74611.35 | E 527487.28 |
| O-4 | 230.00' | 137.16' | 70.69' | 135.14' | 34°10'09.8" | N 74997.24 | E 527863.86 |

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
## RAMP O

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

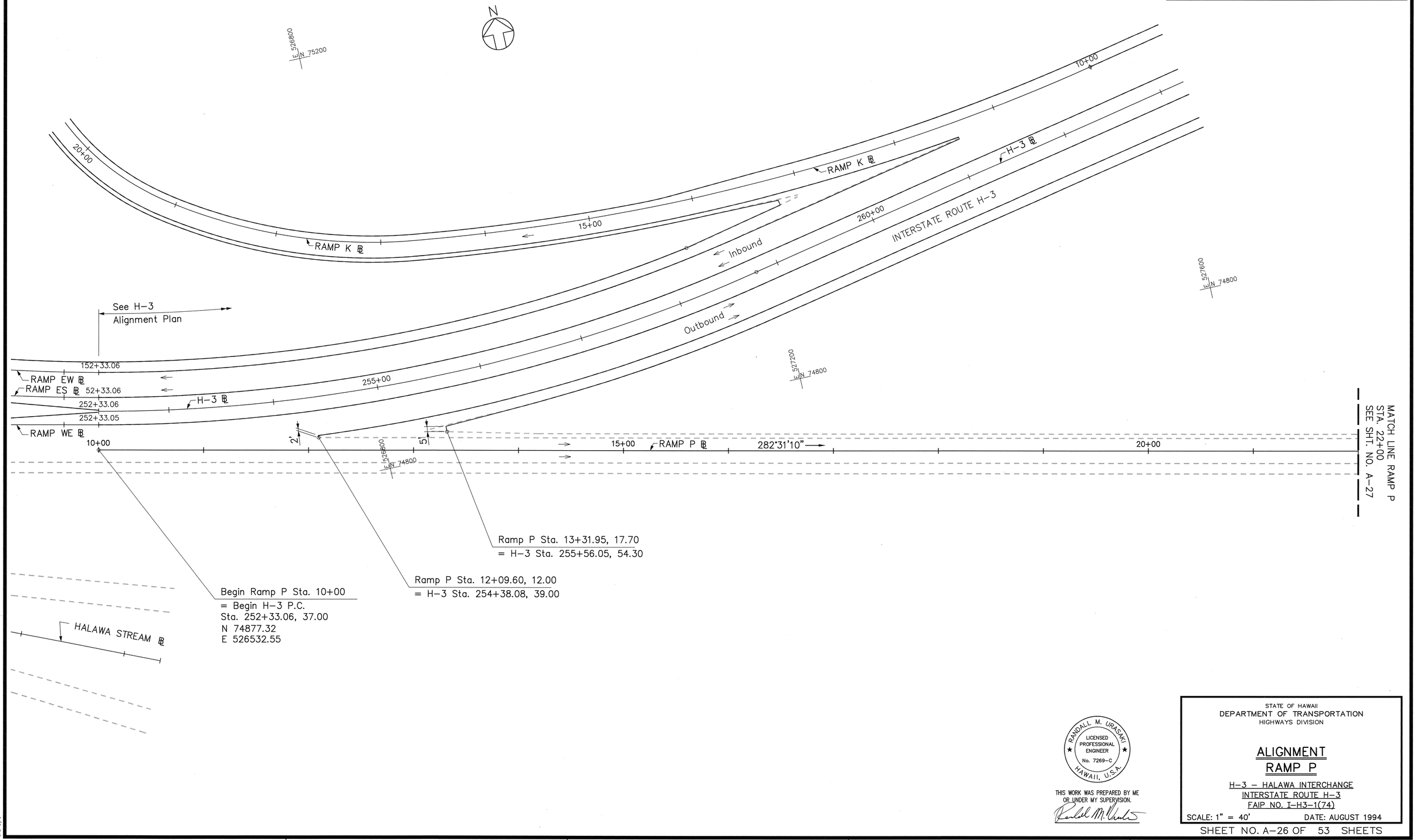
SHEET NO. A-25 OF 53 SHEETS

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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\O\O-ALI1.dwg 09/23/94 at 09:29

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 40 | 325 |




| ORIGINAL PLAN | | | |
|---|---|---|---|
| NOTE BOOK | | | |
| No. | | | |

| | | DATE |
|---|---|---|
| SURVEY PLOTTED BY | | |
| DRAWN BY | | |
| TRACED BY | | |
| DESIGNED BY | | |
| QUANTITIES BY | | |
| CHECKED BY | | |

CAD by

Last Saved: G:\HALAWA\P\P-ALI1.dwg 09/23/94 at 10:54

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

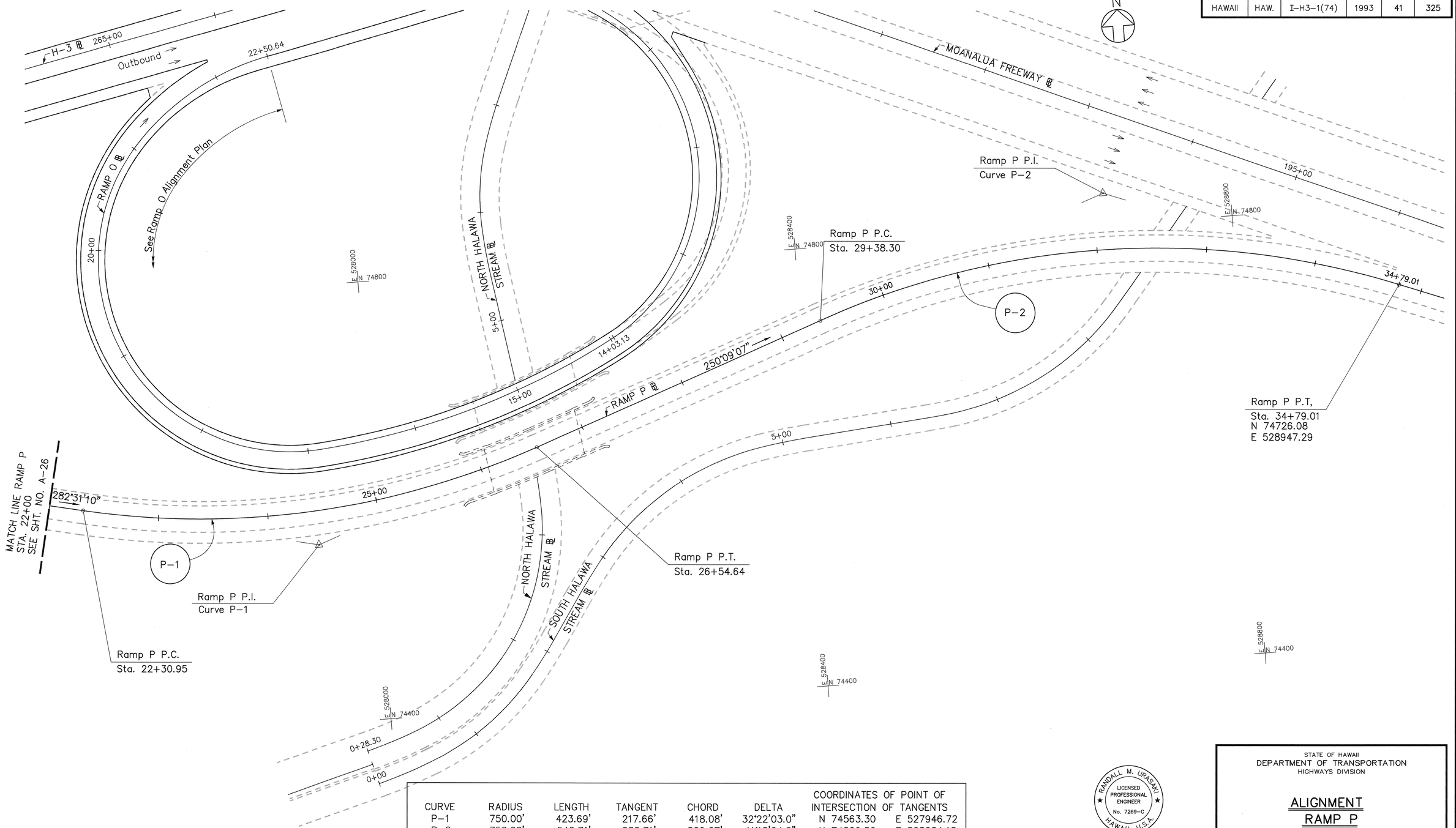
## ALIGNMENT
## RAMP P

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-26 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 41 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| P-1 | 750.00' | 423.69' | 217.66' | 418.08' | 32°22'03.0" | N 74563.30 | E 527946.72 |
| P-2 | 750.00' | 540.71' | 282.71' | 529.07' | 41°18'24.0" | N 74829.50 | E 528684.18 |

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## ALIGNMENT
## RAMP P

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 20' DATE: AUGUST 1994

SHEET NO. A-27 OF 53 SHEETS

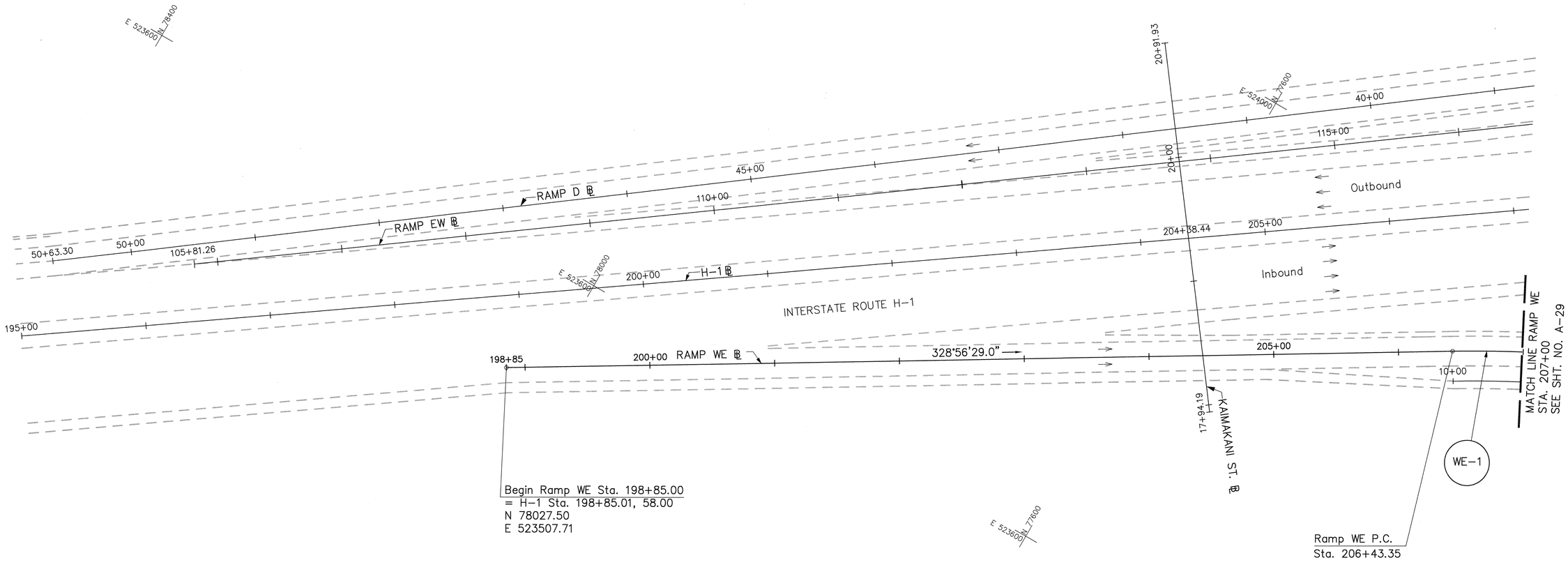
ORIGINAL PLAN
SURVEY PLOTTED BY ____ DATE ____
DRAWN BY ____
TRACED BY ____
NOTE BOOK DESIGNED BY ____
QUANTITIES BY ____
No. ____ CHECKED BY ____

CAD by J. MINURA, 55-52

Last Saved: G:\HALAWA\P\P-ALI2.dwg 09/26/94 at 15:25

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 42 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| WE-1 | 950.00' | 785.37' | 416.69' | 763.20' | 47°22'00.0" | N 77020.91 E 524113.93 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\WE\WE-ALI1.dwg 09/27/94 at 14:22

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

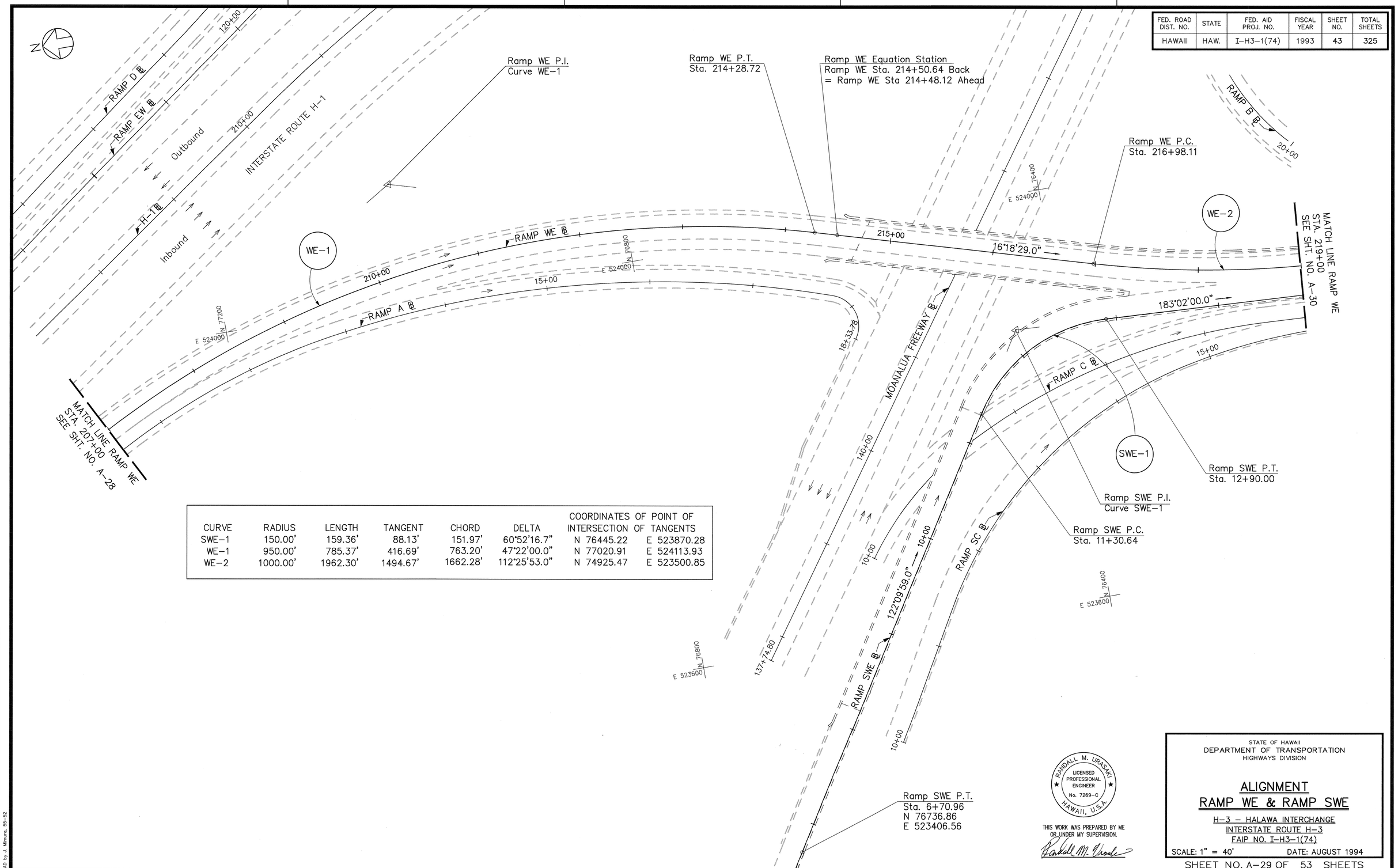
## ALIGNMENT
## RAMP WE

H-3 - HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-28 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 43 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| SWE-1 | 150.00' | 159.36' | 88.13' | 151.97' | 60°52'16.7" | N 76445.22 | E 523870.28 |
| WE-1 | 950.00' | 785.37' | 416.69' | 763.20' | 47°22'00.0" | N 77020.91 | E 524113.93 |
| WE-2 | 1000.00' | 1962.30' | 1494.67' | 1662.28' | 112°25'53.0" | N 74925.47 | E 523500.85 |

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## ALIGNMENT
## RAMP WE & RAMP SWE

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

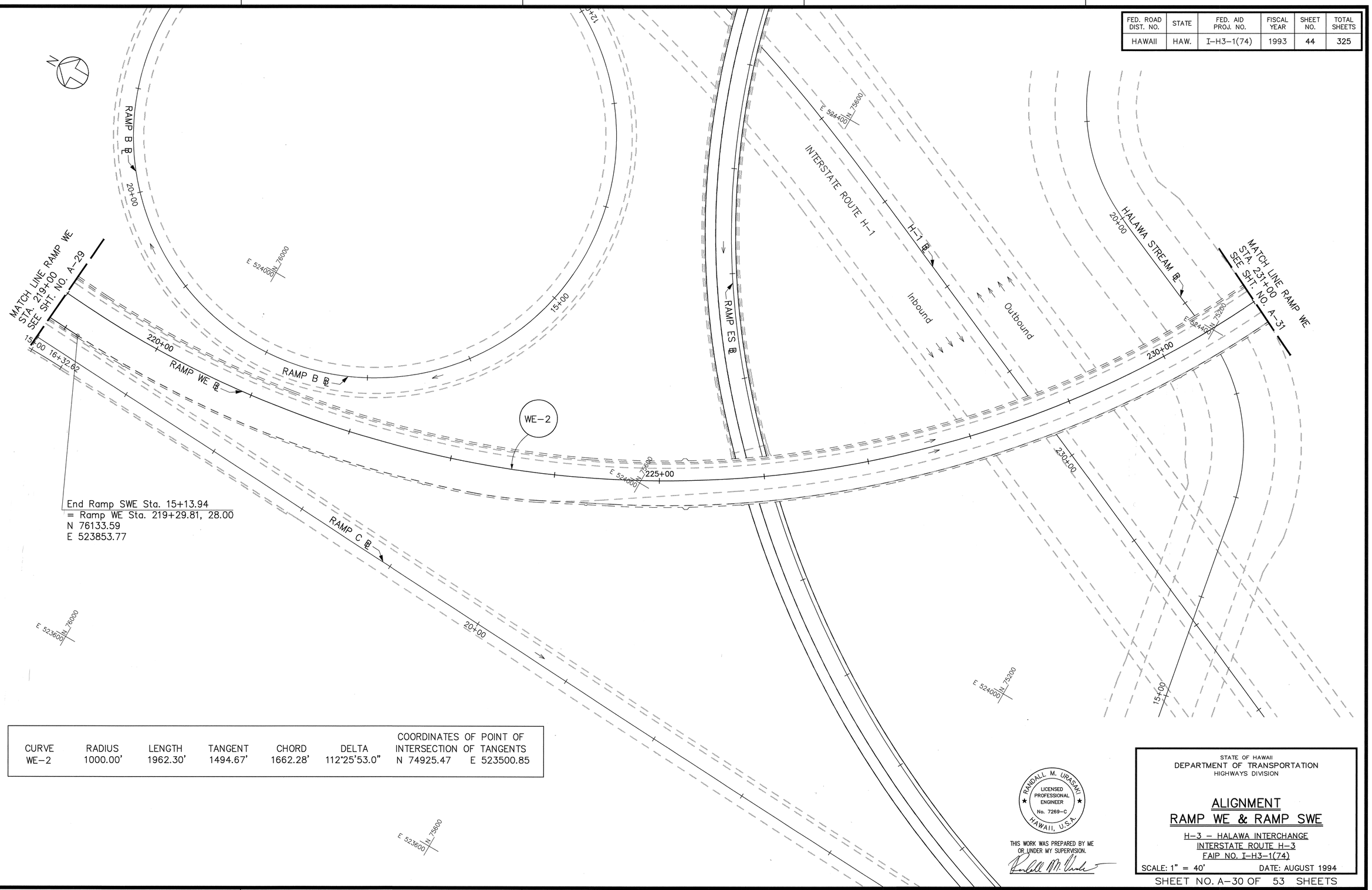
SHEET NO. A-29 OF 53 SHEETS

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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\WE\WE-ALI2.dwg 09/27/94 at 14:26

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 44 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| WE-2 | 1000.00' | 1962.30' | 1494.67' | 1662.28' | 112°25'53.0" | N 74925.47 | E 523500.85 |

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## ALIGNMENT
## RAMP WE & RAMP SWE

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

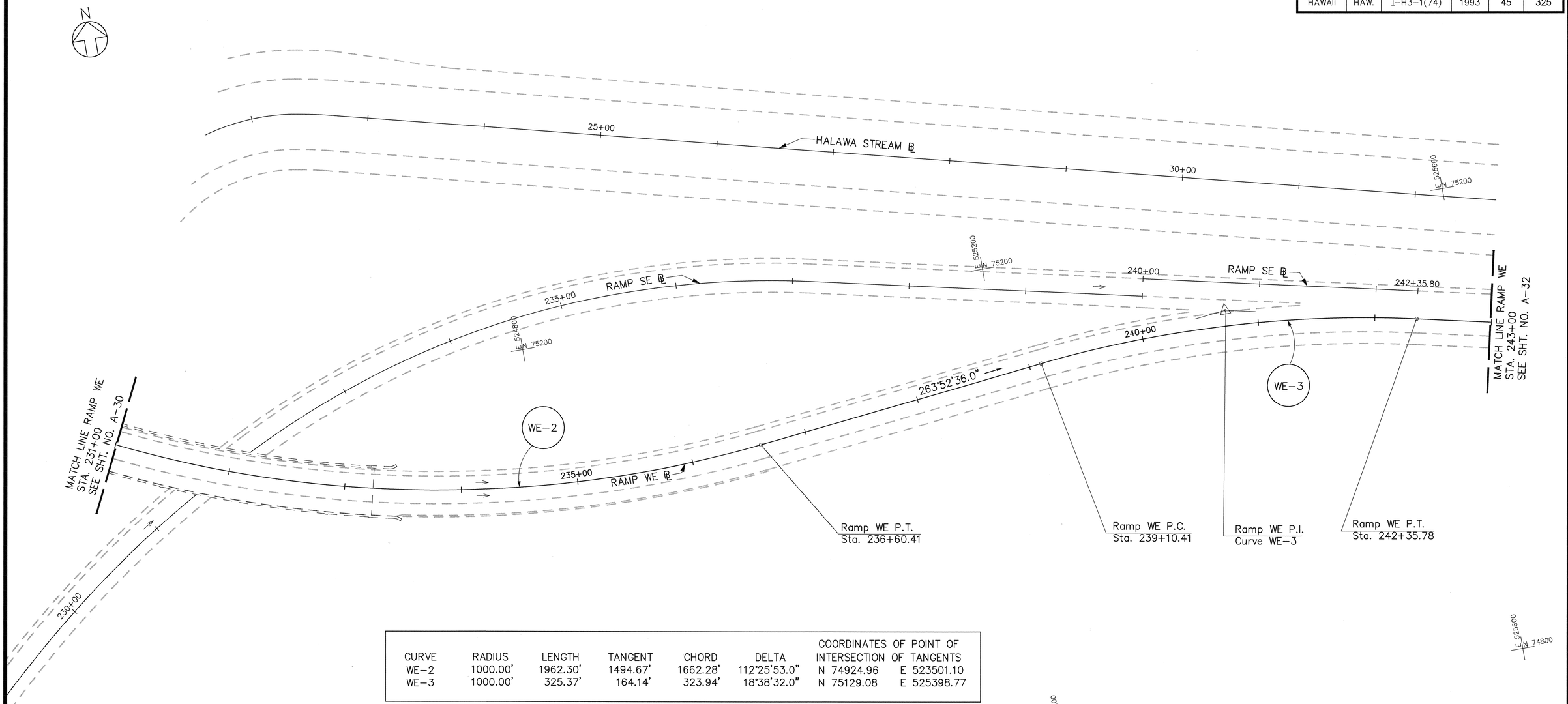
SHEET NO. A-30 OF 53 SHEETS

ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE | NOTE BOOK No. 55-52

CAD by J. Mimura

Last Saved: G:\HALAWA\WE\WE-ALI3.dwg 09/27/94 at 14:29

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 45 | 325 |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| WE-2 | 1000.00' | 1962.30' | 1494.67' | 1662.28' | 112°25'53.0" | N 74924.96 | E 523501.10 |
| WE-3 | 1000.00' | 325.37' | 164.14' | 323.94' | 18°38'32.0" | N 75129.08 | E 525398.77 |

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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\WE\WE-ALI4.dwg 09/27/94 at 14:31

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

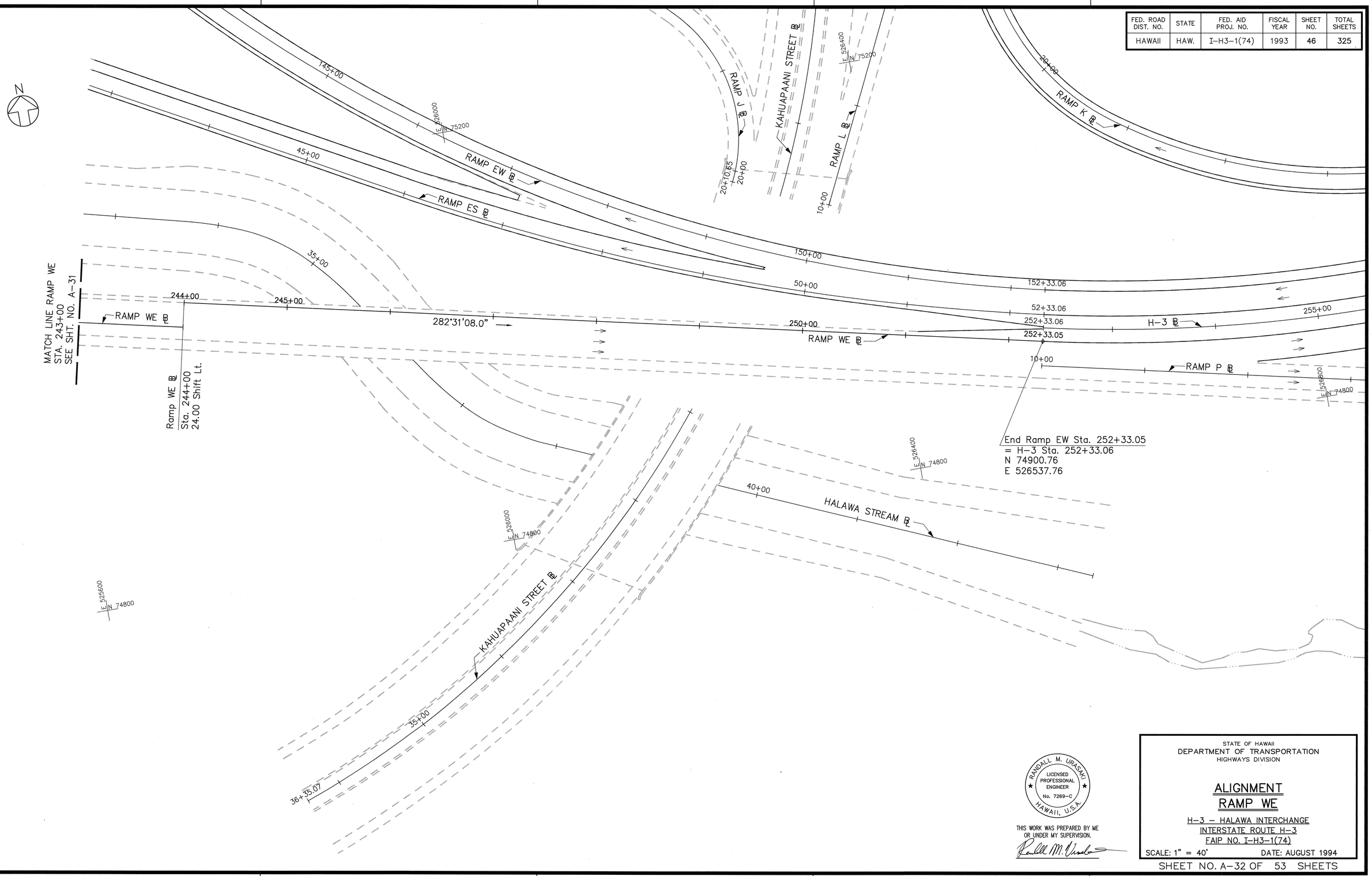
## ALIGNMENT
## RAMP WE

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-31 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 46 | 325 |




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

CAD by J. Mimura, 55-52

Last Saved: G:\HALAWA\WE\WE-ALI5.dwg 09/27/94 at 14:36

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# ALIGNMENT
# RAMP WE

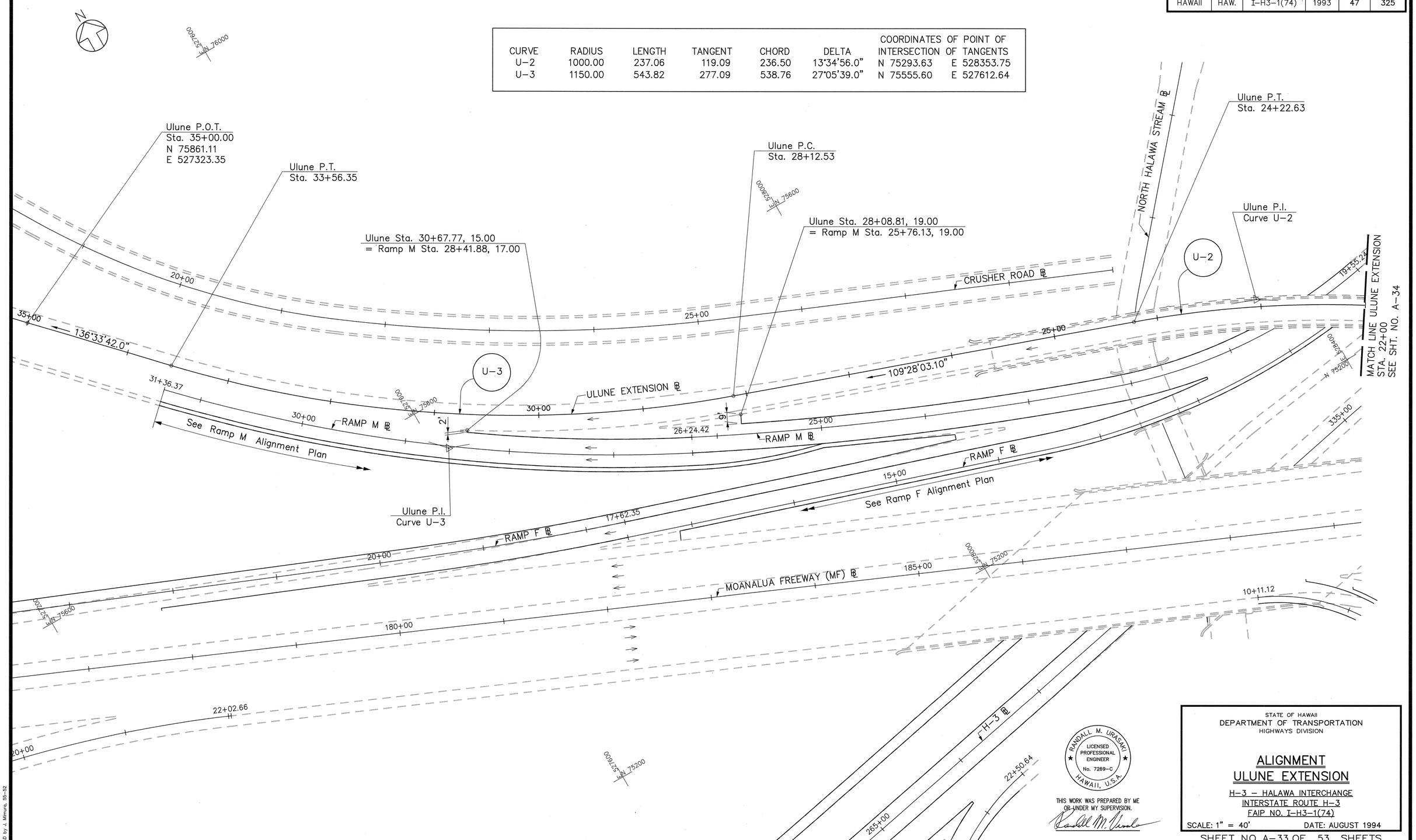
H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-32 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 47 | 325 |

| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS | |
|---|---|---|---|---|---|---|---|
| U-2 | 1000.00 | 237.06 | 119.09 | 236.50 | 13°34'56.0" | N 75293.63 | E 528353.75 |
| U-3 | 1150.00 | 543.82 | 277.09 | 538.76 | 27°05'39.0" | N 75555.60 | E 527612.64 |




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

CAD by: J. Mimura, 55-52

Last Saved: G:\HALAWA\ULUNE\UL-ALI1.dwg 09/27/94 at 13:38

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

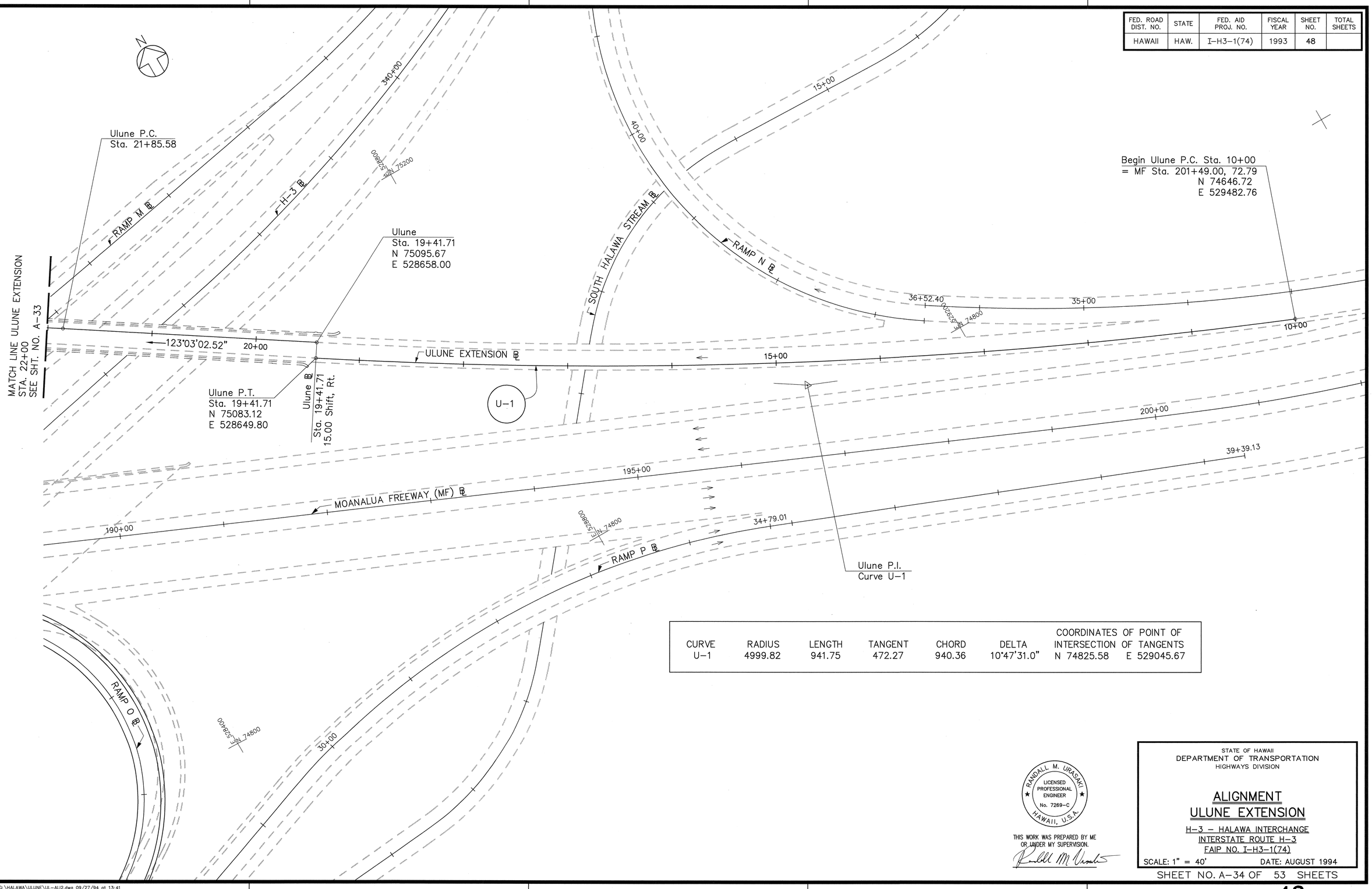
# ALIGNMENT
# ULUNE EXTENSION

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

SHEET NO. A-33 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 48 | |




| CURVE | RADIUS | LENGTH | TANGENT | CHORD | DELTA | COORDINATES OF POINT OF INTERSECTION OF TANGENTS |
|---|---|---|---|---|---|---|
| U-1 | 4999.82 | 941.75 | 472.27 | 940.36 | 10°47'31.0" | N 74825.58 E 529045.67 |

| ORIGINAL PLAN | | |
|---|---|---|
| NOTE BOOK | No. | |

SURVEY PLOTTED BY ____ DATE
DRAWN BY ____
TRACED BY ____
DESIGNED BY ____
QUANTITIES BY ____
CHECKED BY ____

CAD by

Last Saved: G:\HALAWA\ULUNE\UL-AL12.dwg 09/27/94 at 13:41

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

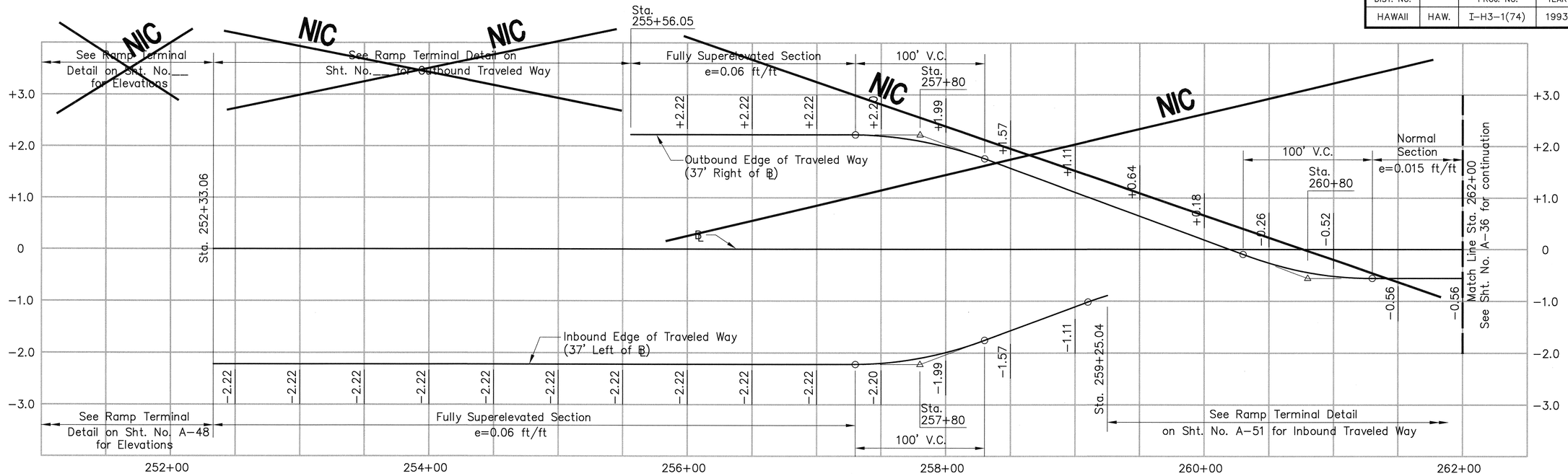
# ALIGNMENT
# ULUNE EXTENSION

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 40' DATE: AUGUST 1994

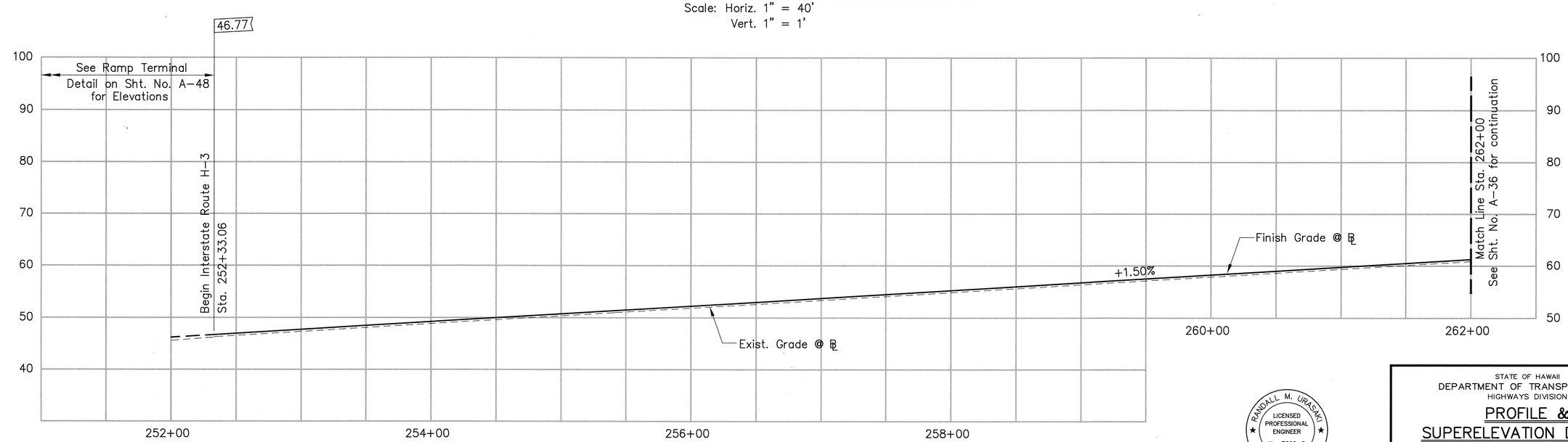
SHEET NO. A-34 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 49 | 325 |




## SUPERELEVATION DIAGRAM – INTERSTATE ROUTE H-3

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




Existing
Ramp Terminal

## PROFILE – INTERSTATE ROUTE H-3

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PROFILE & SUPERELEVATION DIAGRAM INTERSTATE ROUTE H-3**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

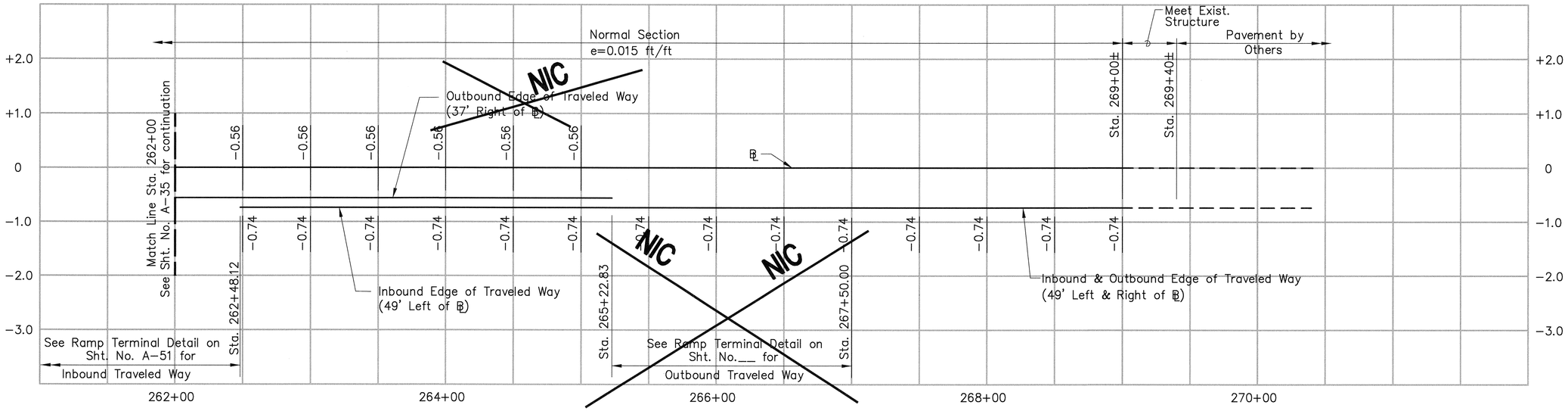
SHEET NO. A-35 OF 53 SHEETS

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

CAD by J. Mimura, 55-52

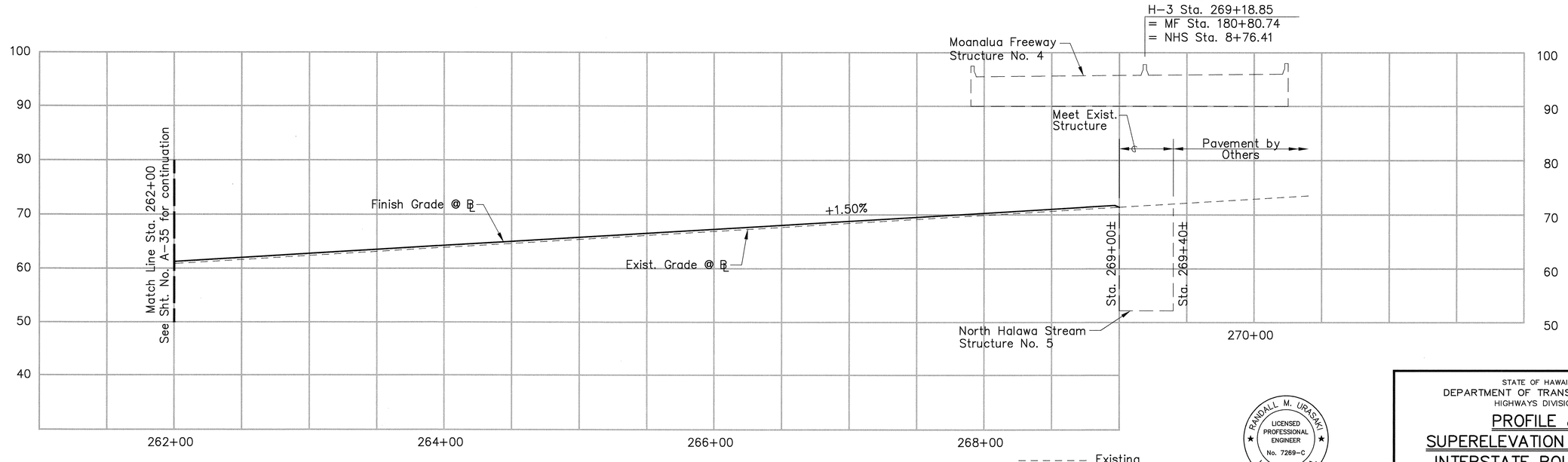
Last Saved: G:\HALAWA\H3\H3PROFSE.dwg 11/29/94 at 07:20

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 50 | 325 |




## SUPERELEVATION DIAGRAM – INTERSTATE ROUTE H-3

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




## PROFILE – INTERSTATE ROUTE H-3

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## PROFILE & SUPERELEVATION DIAGRAM INTERSTATE ROUTE H-3

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

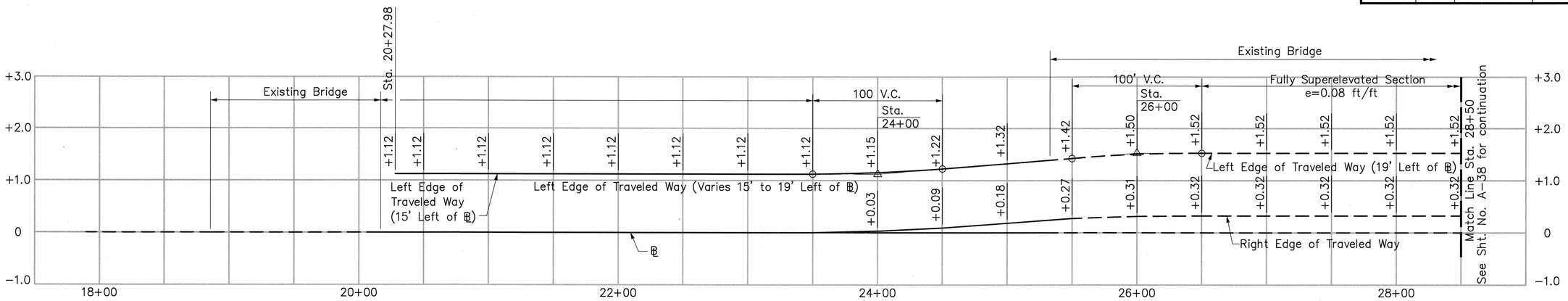
SHEET NO. A-36 OF 53 SHEETS

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

CAD by G.D. Tsurng, 55-52

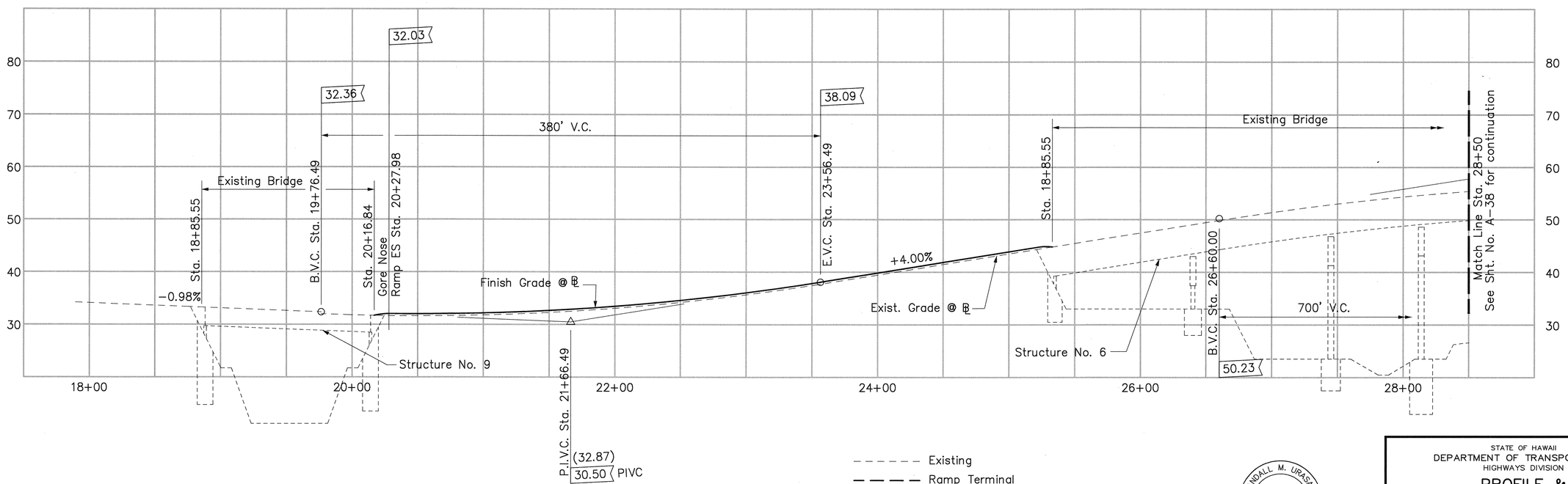
Last Saved: G:\HALAWA\H3\H3PROSE2.dwg 11/28/94 at 10:18

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 51 | 325 |




## SUPERELEVATION DIAGRAM – RAMP ES

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




Existing
Ramp Terminal

## PROFILE – RAMP ES

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PROFILE & SUPERELEVATION DIAGRAM RAMP ES**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

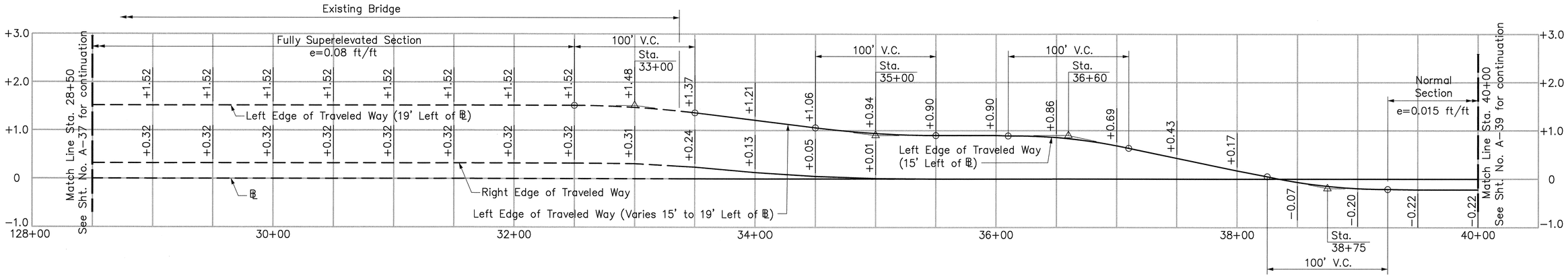
SHEET NO. A-37 OF 53 SHEETS

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

CAD by: J. Mimura, 55-52

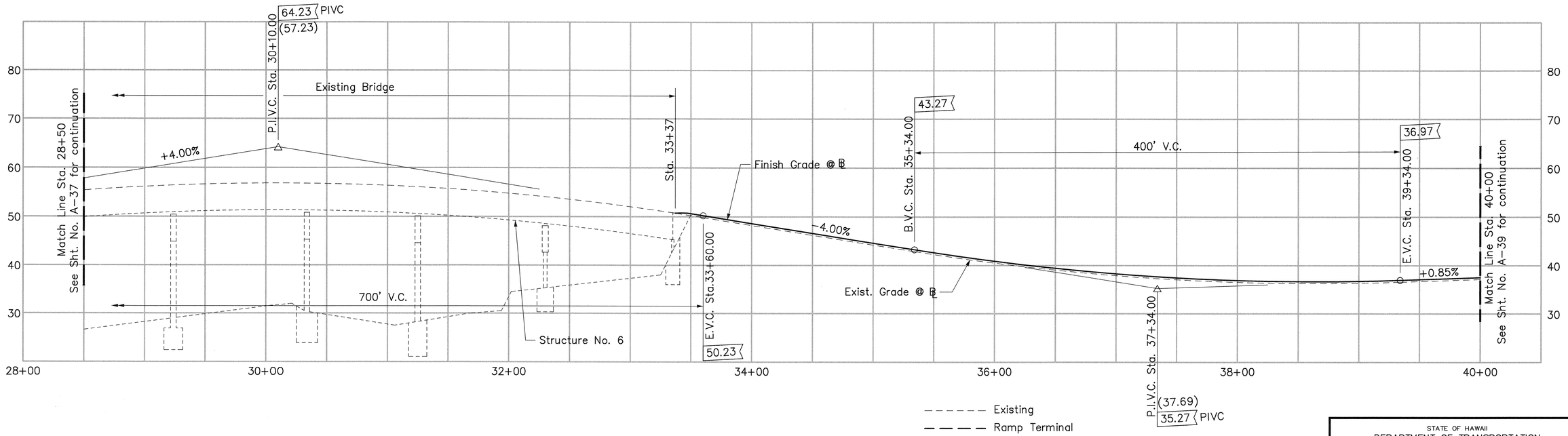
Last Saved: G:\HALAWA\ES\ES1PROFS.dwg 11/29/94 at 07:17

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 52 | 325 |




## SUPERELEVATION DIAGRAM – RAMP ES

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




## PROFILE – RAMP ES

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PROFILE & SUPERELEVATION DIAGRAM RAMP ES**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

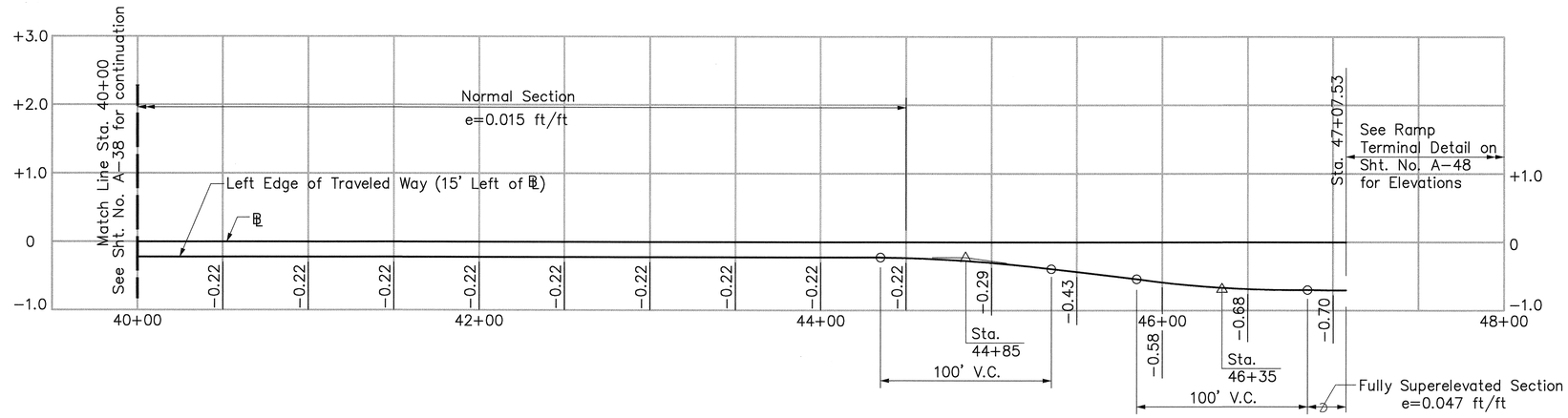
SHEET NO. A-38 OF 53 SHEETS

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

CAD by Q.D. Truong, 55-52

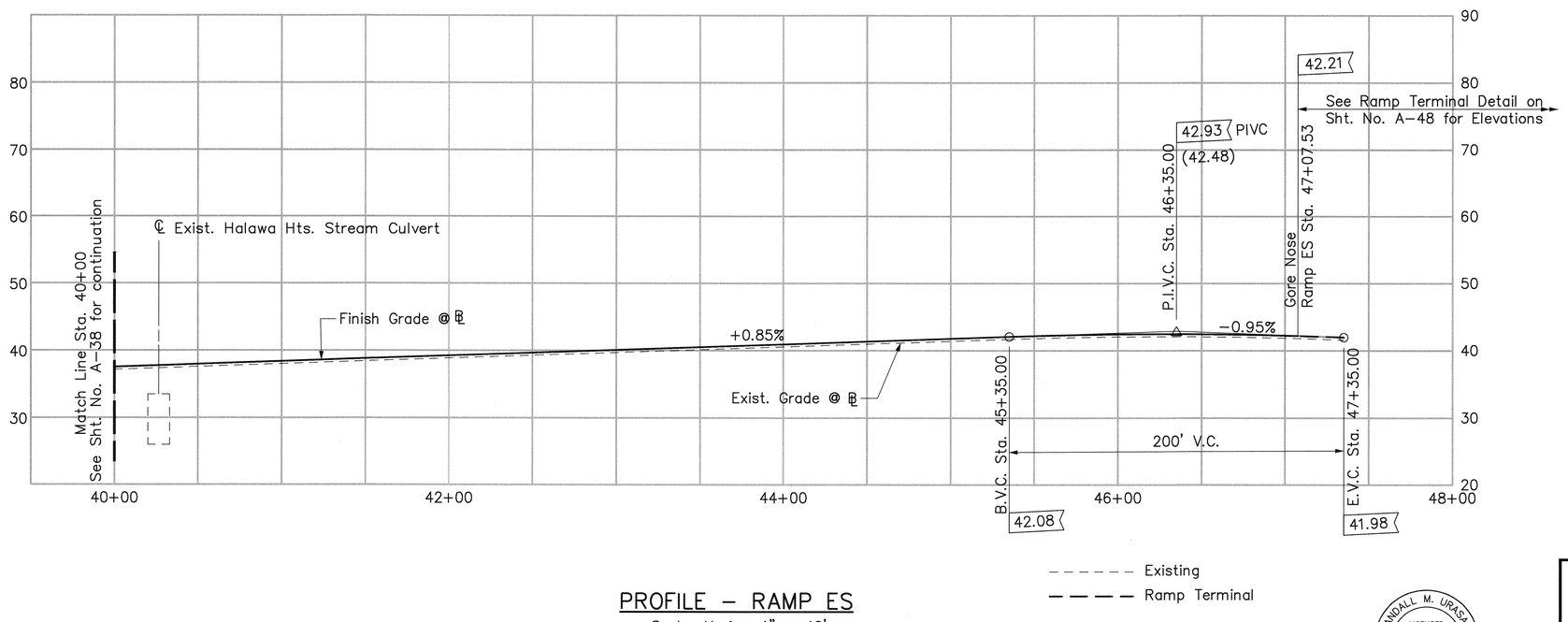
Last Saved: G:\HALAWA\ES\ES2PROFS.dwg 11/28/94 at 12:28

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 53 | 325 |




## SUPERELEVATION DIAGRAM – ES RAMP

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




## PROFILE – RAMP ES

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PROFILE & SUPERELEVATION DIAGRAM RAMP ES**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

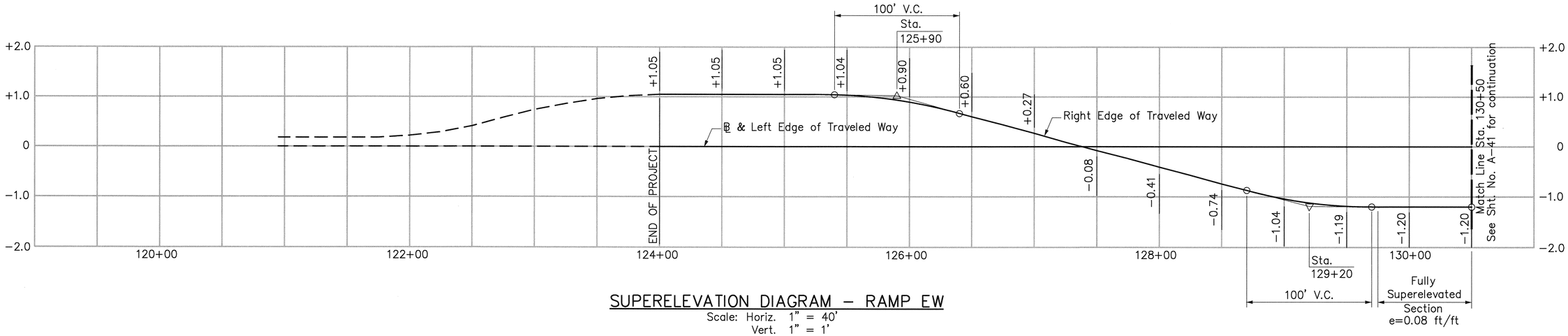
SHEET NO. A-39 OF 53 SHEETS

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

CAD by: Q.D. Truong, 55-52

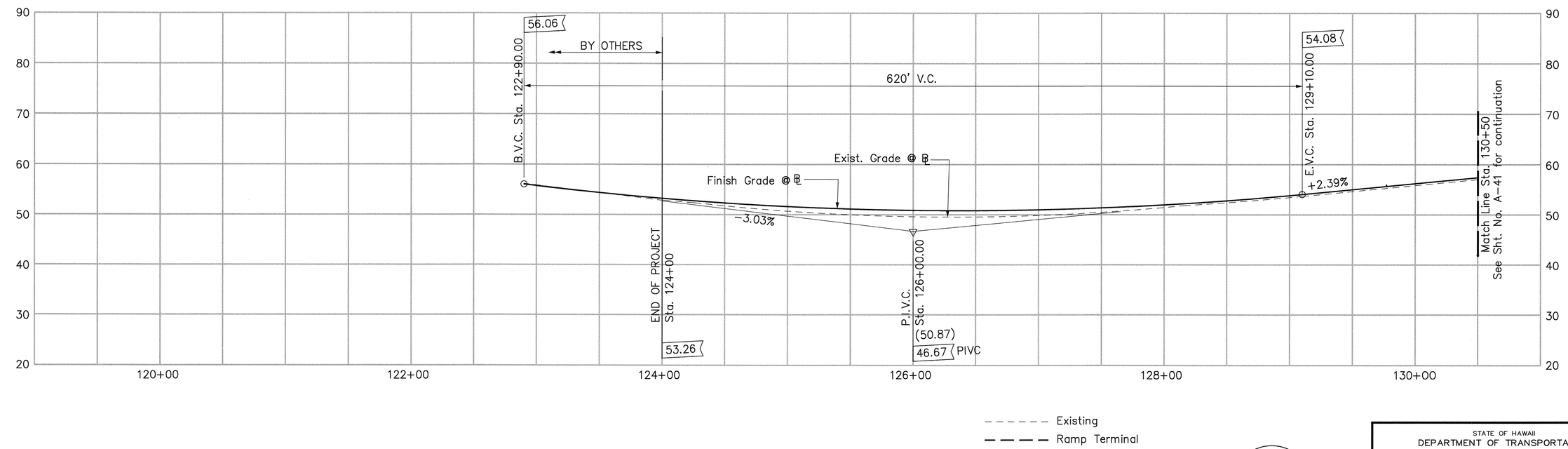
Last Saved: G:\HALAWA\ES\ES3PROFS.dwg 11/28/94 at 12:35

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 54 | 325 |




## SUPERELEVATION DIAGRAM – RAMP EW

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




## PROFILE – RAMP EW

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PROFILE & SUPERELEVATION DIAGRAM RAMP EW**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

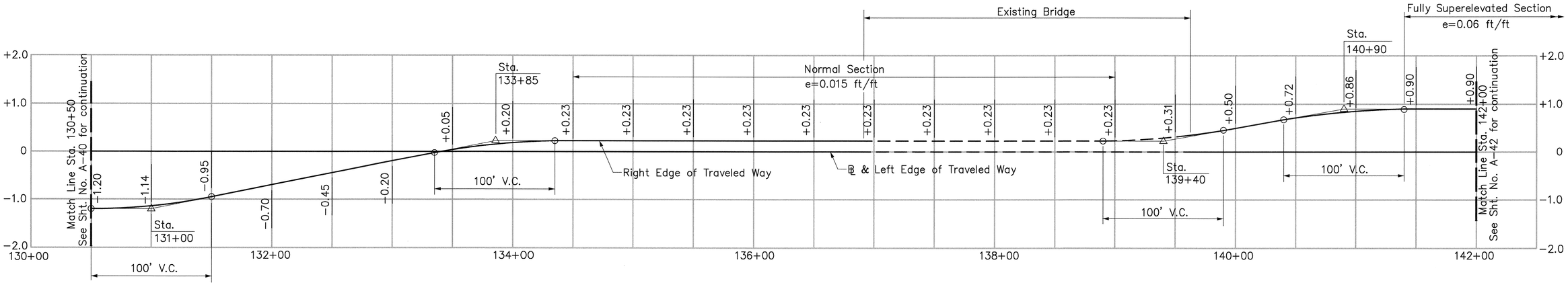
SHEET NO. A-40 OF 53 SHEETS

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

CAD by J. Minoura, 55-52

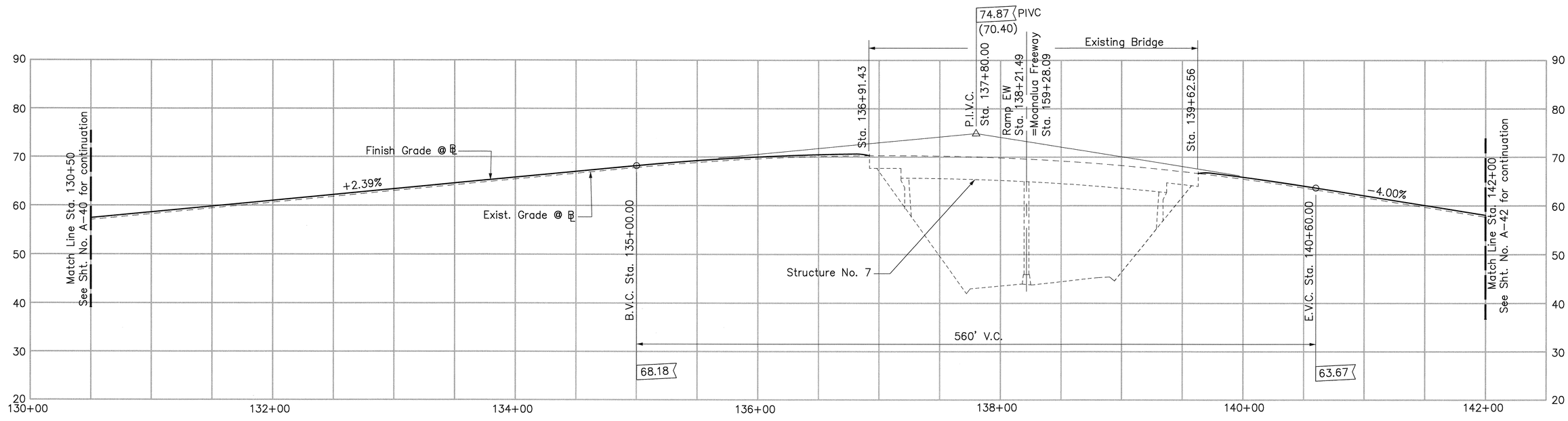
Last Saved: G:\HALAWA\EW\EW1PROFS.dwg 11/29/94 at 07:15

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 55 | 325 |




## SUPERELEVATION DIAGRAM – RAMP EW

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




## PROFILE – RAMP EW

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

– – – – – – Existing
— — — — Ramp Terminal

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PROFILE & SUPERELEVATION DIAGRAM RAMP EW**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

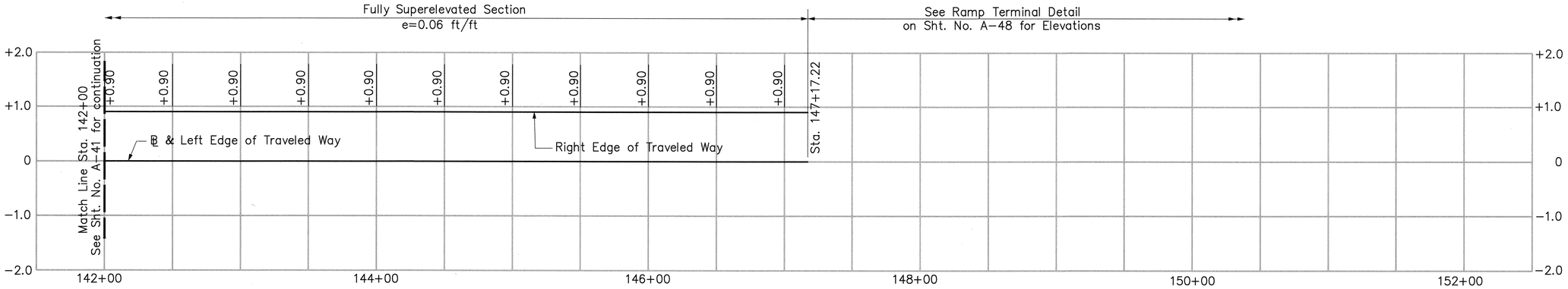
SHEET NO. A-41 OF 53 SHEETS

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

CAD by J. Mimura, 55-52

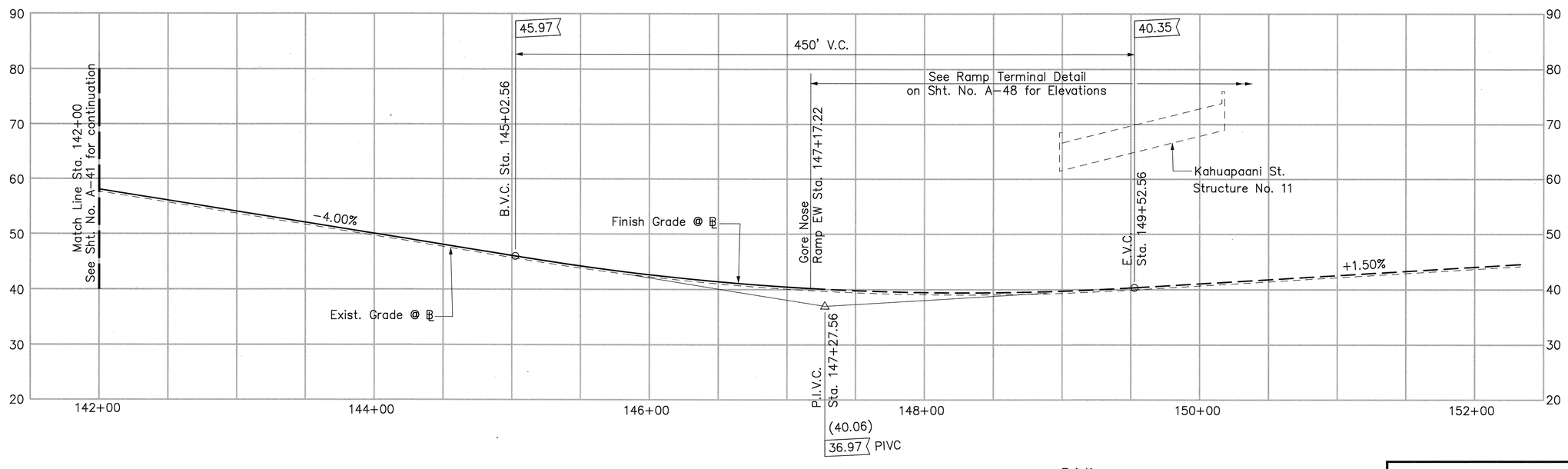
Last Saved: G:\HALAWA\EW\EW2PROFS.dwg 11/29/94 at 07:12

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 56 | 325 |




## SUPERELEVATION DIAGRAM – RAMP EW

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




## PROFILE – RAMP EW

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

- - - - - - Existing
— — — — Ramp Terminal

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PROFILE & SUPERELEVATION DIAGRAM RAMP EW**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

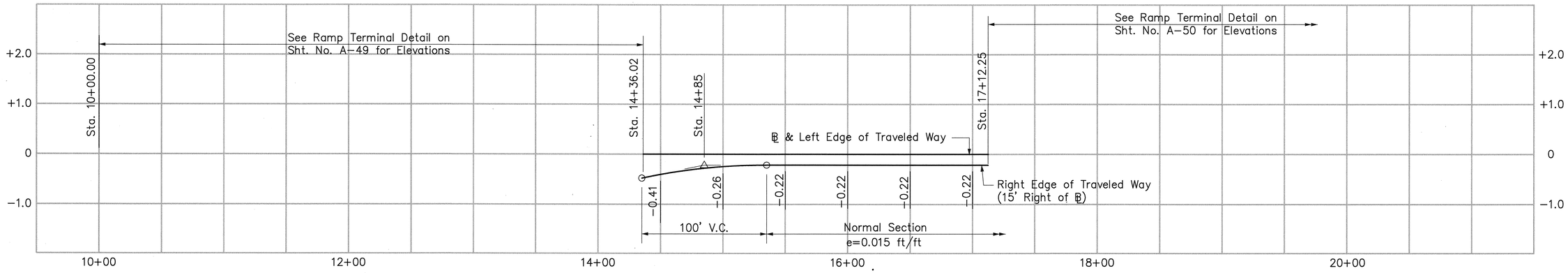
SHEET NO. A-42 OF 53 SHEETS

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

CAD by G.D. Tsurng, 55-52

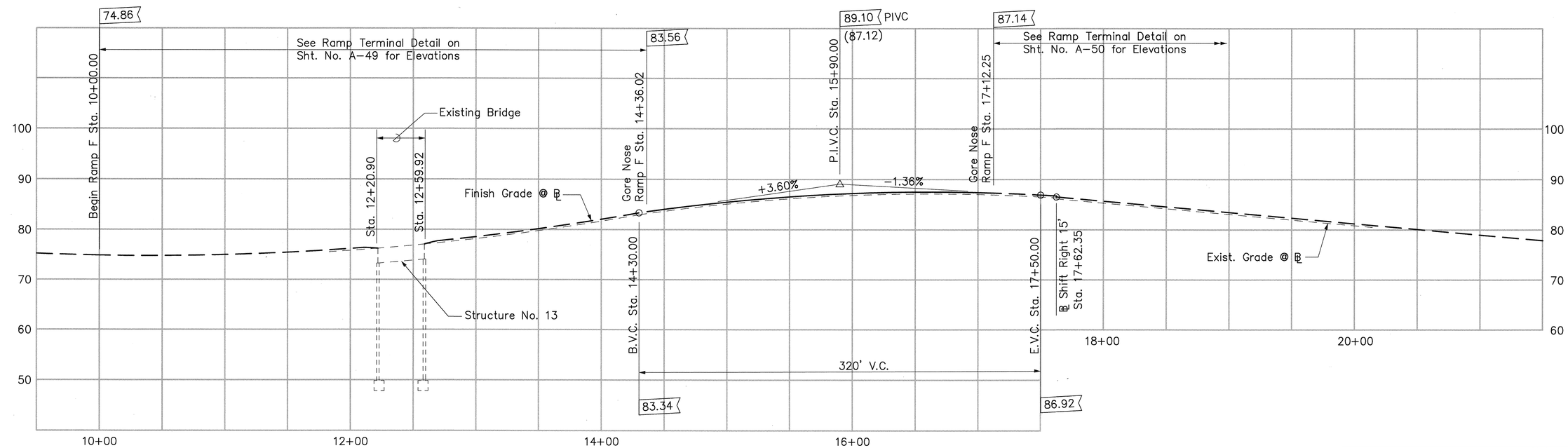
Last Saved: G:\HALAWA\EW\EW3PROFS.dwg 11/28/94 at 13:53

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 57 | 325 |




## SUPERELEVATION DIAGRAM – RAMP F

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




## PROFILE – RAMP F

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

– – – – – Existing
— — — Ramp Terminal

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

CAD by J. NIMURA, 55-52

Last Saved: G:\HALAWA\F\F-PROFSE.dwg 11/23/94 at 07:59

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

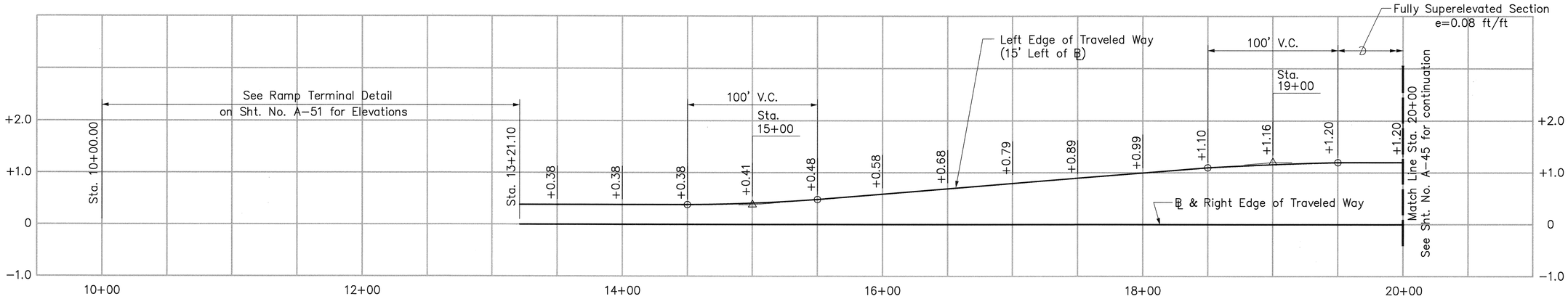
**PROFILE & SUPERELEVATION DIAGRAM RAMP F**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

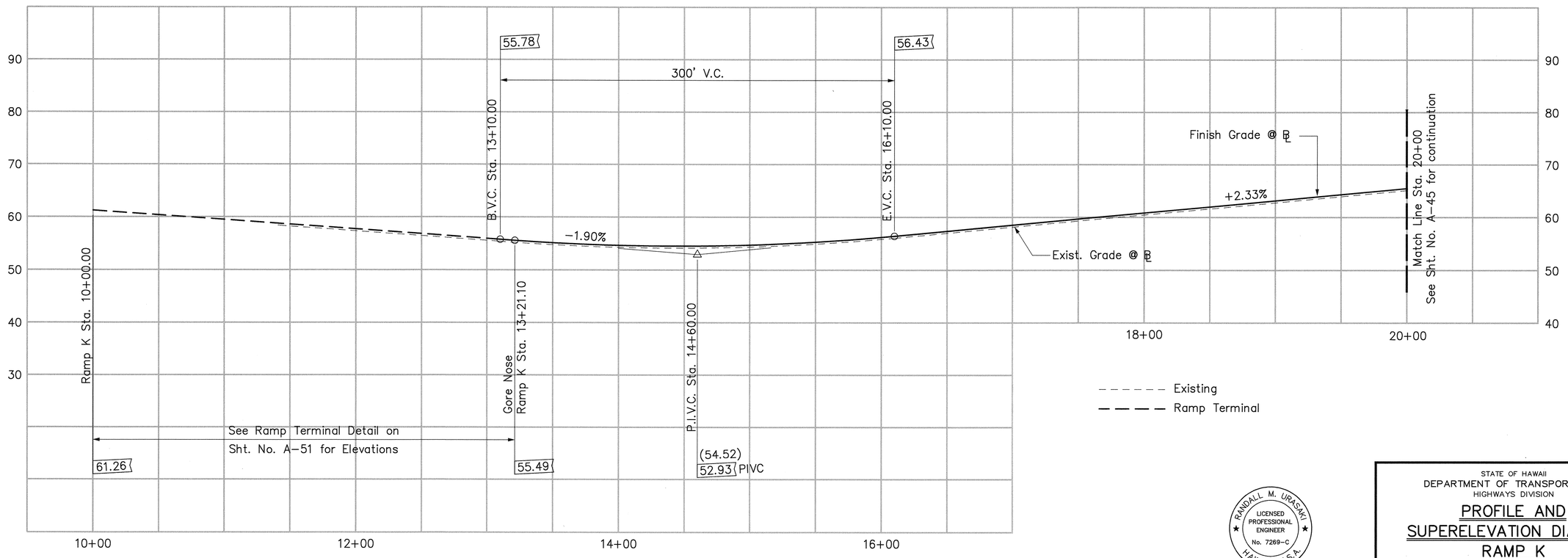
SHEET NO. A-43 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 58 | 325 |




## SUPERELEVATION DIAGRAM – RAMP K

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




## PROFILE – RAMP K

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

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

CAD by Q.D. Truong, 55-52

Last Saved: G:\HALAWA\K\K3PROFSE.dwg 11/28/94 at 14:36

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

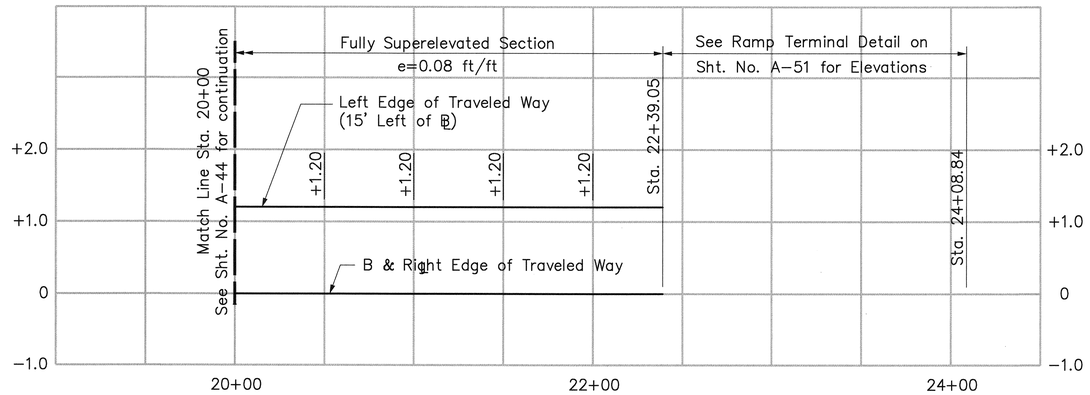
# PROFILE AND SUPERELEVATION DIAGRAM RAMP K

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

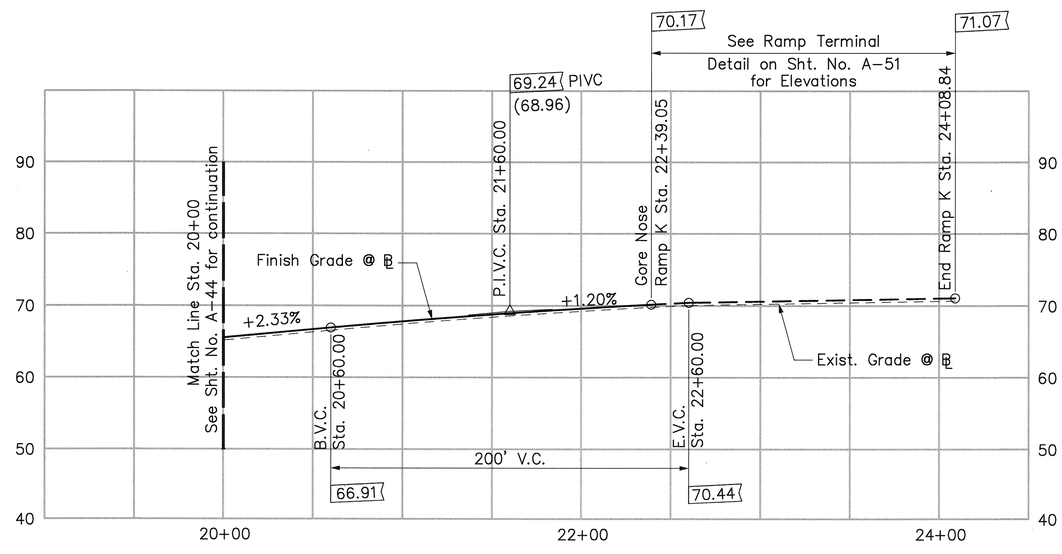
SHEET NO. A-44 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 59 | 325 |




## SUPERELEVATION DIAGRAM – RAMP K

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




- - - - - - Existing
— — — — Ramp Terminal

## PROFILE – RAMP K

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

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

CAD by J. MAMIRA, 55-52

Last Saved: G:\HALAWA\K\K2PROFSE.dwg 11/28/94 at 14:42

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

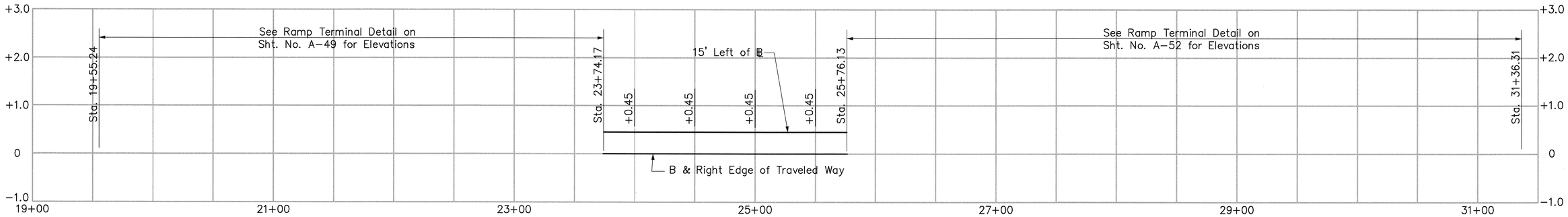
# PROFILE AND SUPERELEVATION DIAGRAM RAMP K

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

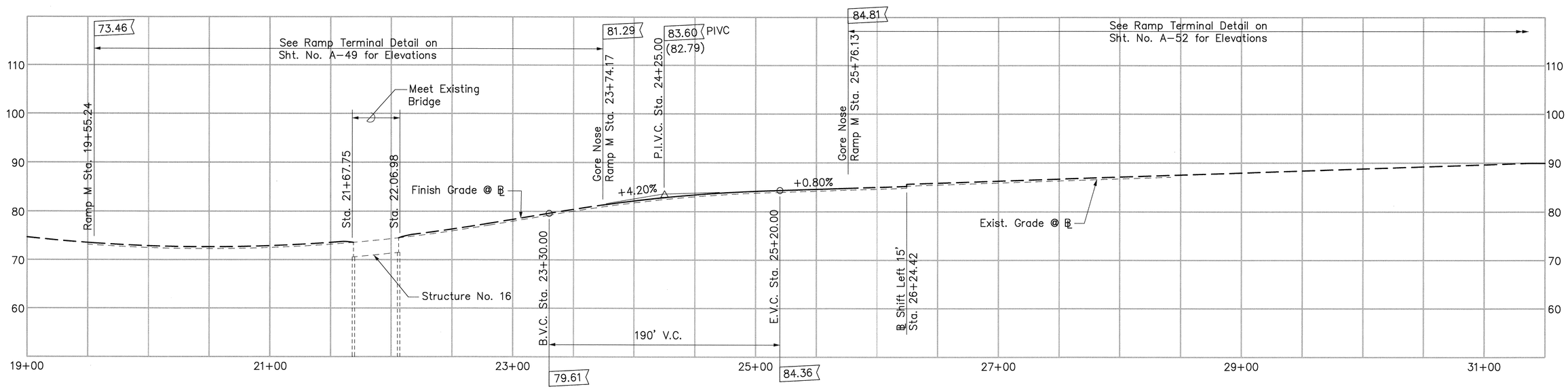
SHEET NO. A-45 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 60 | 325 |




## SUPERELEVATION DIAGRAM – RAMP M

SCALE: Horiz. 1" = 40'
Vert. 1" = 1'




- - - - - - Existing
— — — Ramp Terminal

## PROFILE – RAMP M

SCALE: Horiz. 1" = 40'
Vert. 1" = 10'

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

CAD by O.D. Truong, 55-52

Last Saved: G:\HALAWA\M\M-PROFSE.dwg 11/28/94 at 14:57

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

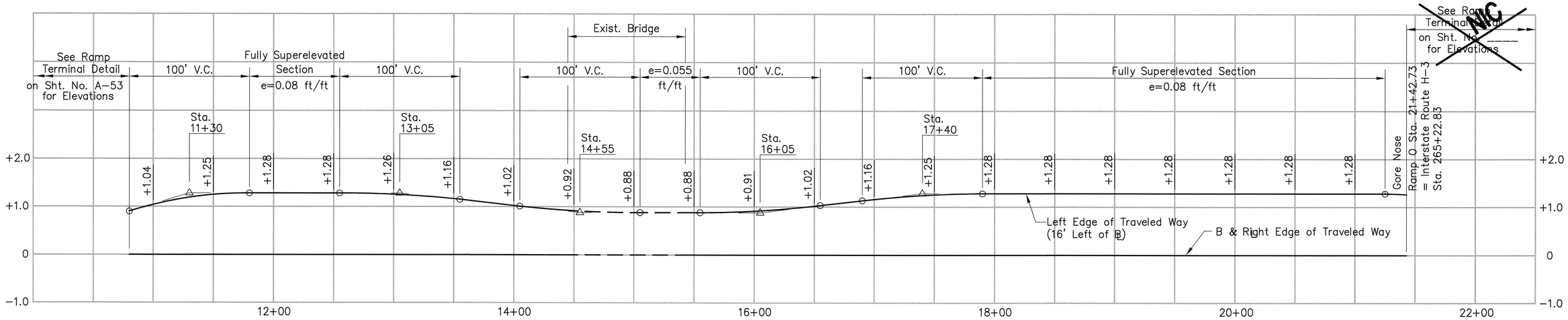
**PROFILE & SUPERELEVATION DIAGRAM RAMP M**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

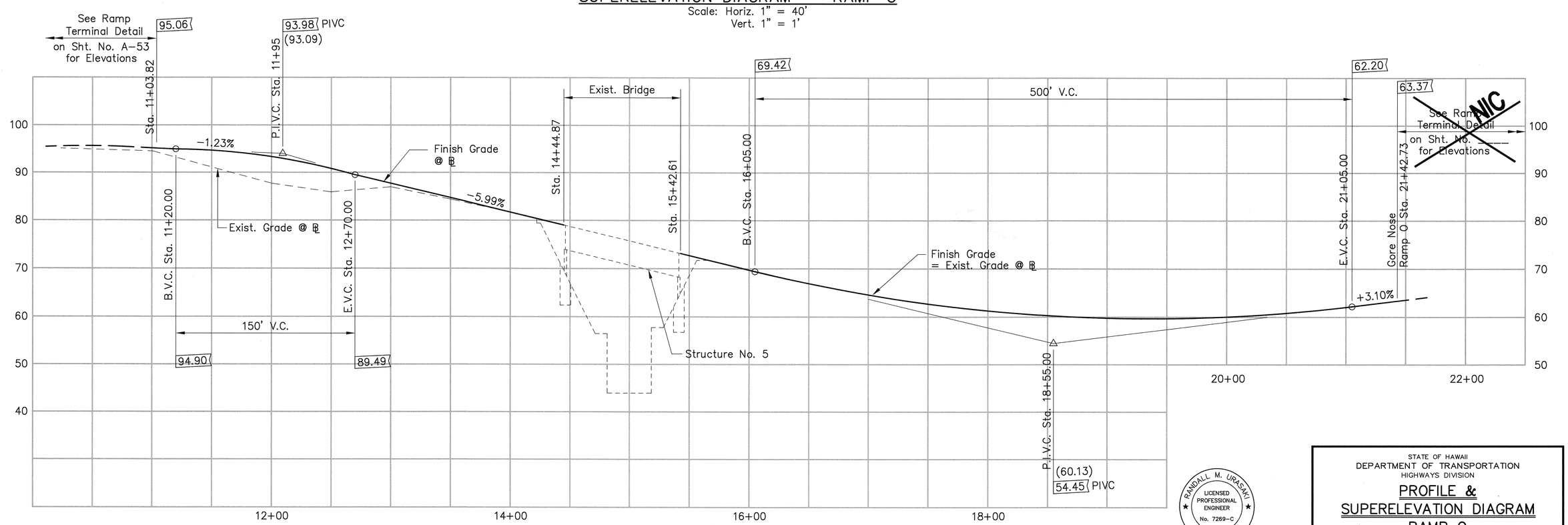
SHEET NO. A-46 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 61 | 325 |




## SUPERELEVATION DIAGRAM – RAMP O

Scale: Horiz. 1" = 40'
Vert. 1" = 1'




## PROFILE – RAMP O

Scale: Horiz. 1" = 40'
Vert. 1" = 10'

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**PROFILE & SUPERELEVATION DIAGRAM RAMP O**

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: AS SHOWN DATE: AUGUST 1994

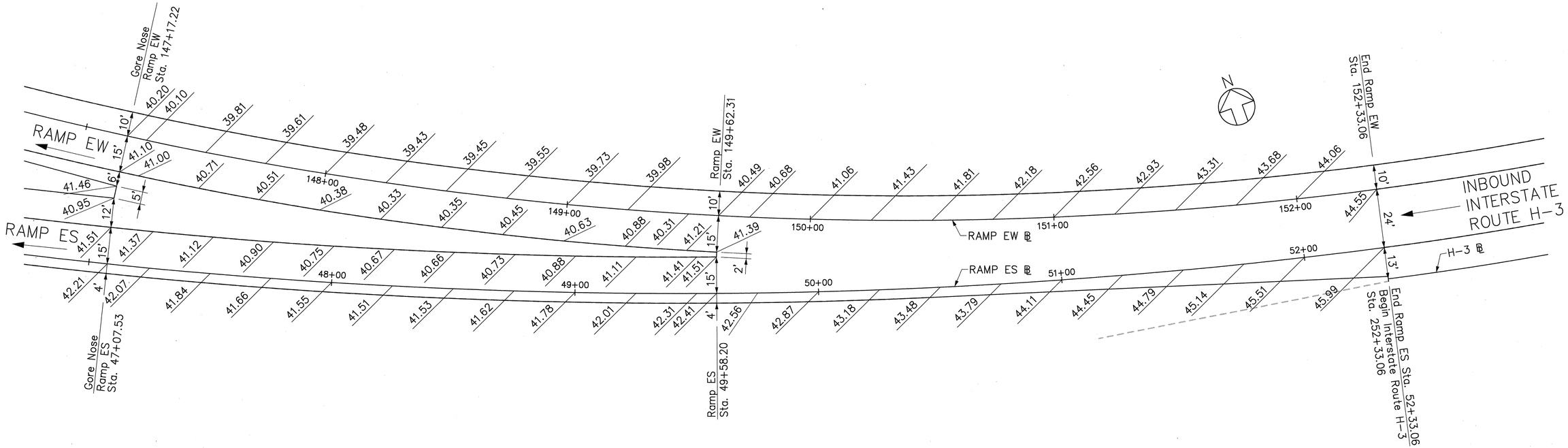
SHEET NO. A-47 OF 53 SHEETS

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

CAD by: J. Mimura, 55-52

Last Saved: G:\HALAWA\O\O-PROFSE.dwg 11/29/94 at 07:09

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 62 | 325 |




## RAMP ES @ RAMP EW

**LEGEND:**

33.95± Existing Pavement Elevation

33.92 Finish Grade Elevation

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

CAD by J. MIMURA, 55-52

Last Saved: G:\HALAWA\RAMPDET\ESC-ESEW.dwg 09/23/94 at 11:06

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

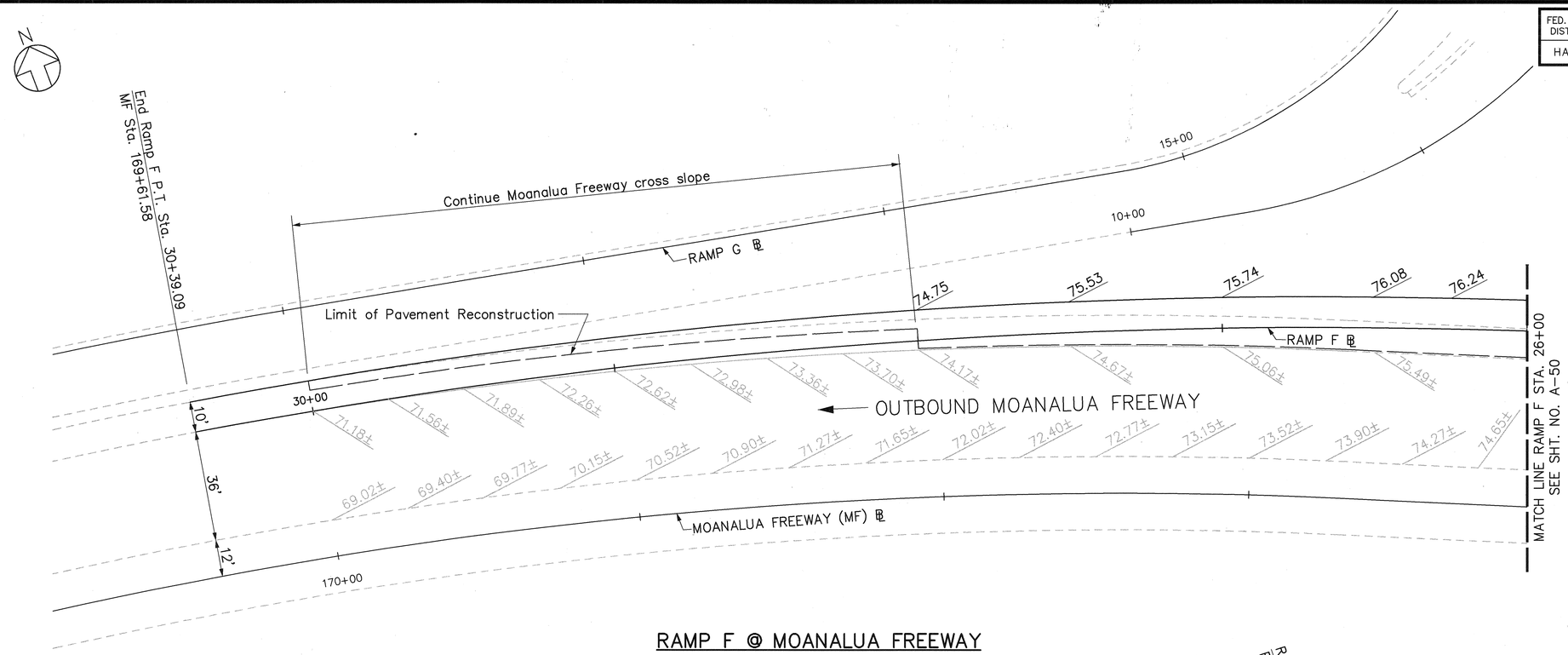
# RAMP TERMINAL DETAILS
# RAMP ES @ RAMP EW

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

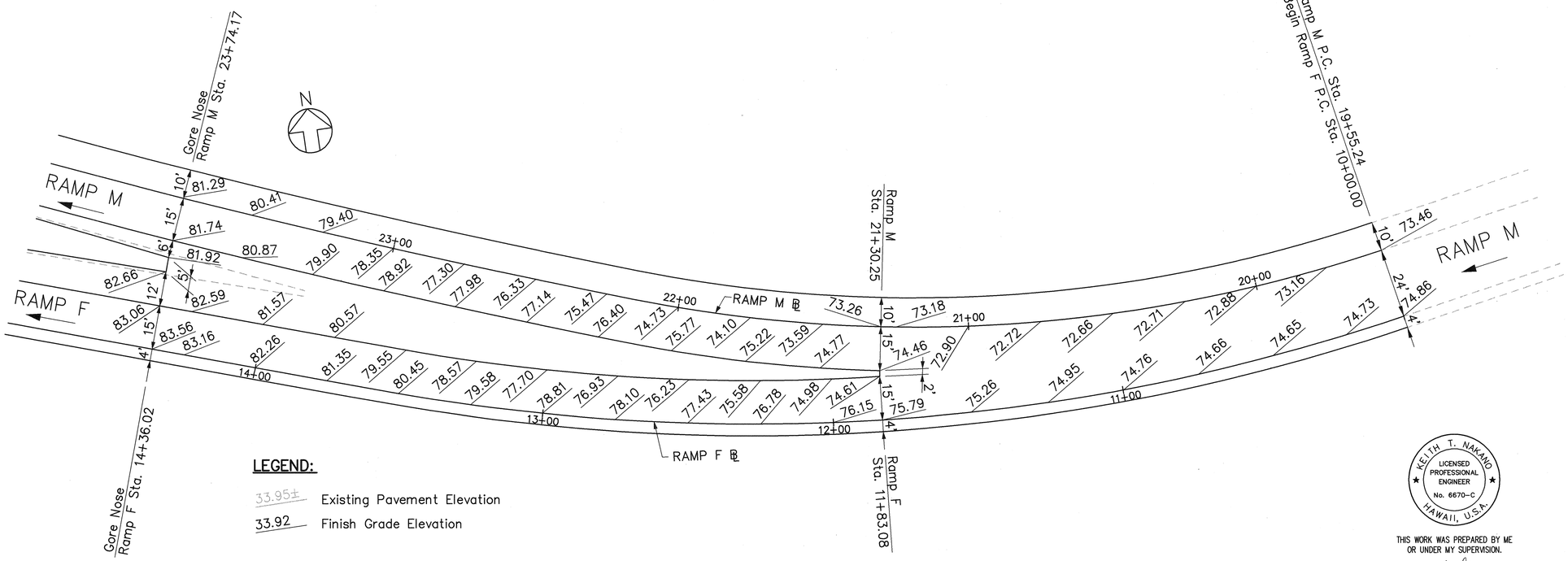
SCALE: 1" = 20' DATE: AUGUST 1994

SHEET NO. A-48 OF 53 SHEETS

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 63 | 325 |




## RAMP F @ MOANALUA FREEWAY




**LEGEND:**

33.95± Existing Pavement Elevation

33.92 Finish Grade Elevation

## RAMP F @ RAMP M

| Date | Revision |
|---|---|
| 11/10/95 | Revised Ramp F @ Moanalua Freeway spot elevations. Added Limit of Pavement Reconstruction and Continue Cross Slope notes. |

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# RAMP TERMINAL DETAILS
# RAMP F @ MOANALUA FREEWAY
# RAMP F @ RAMP M

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 20' DATE: AUGUST 1994

SHEET NO. A-49 OF 53 SHEETS

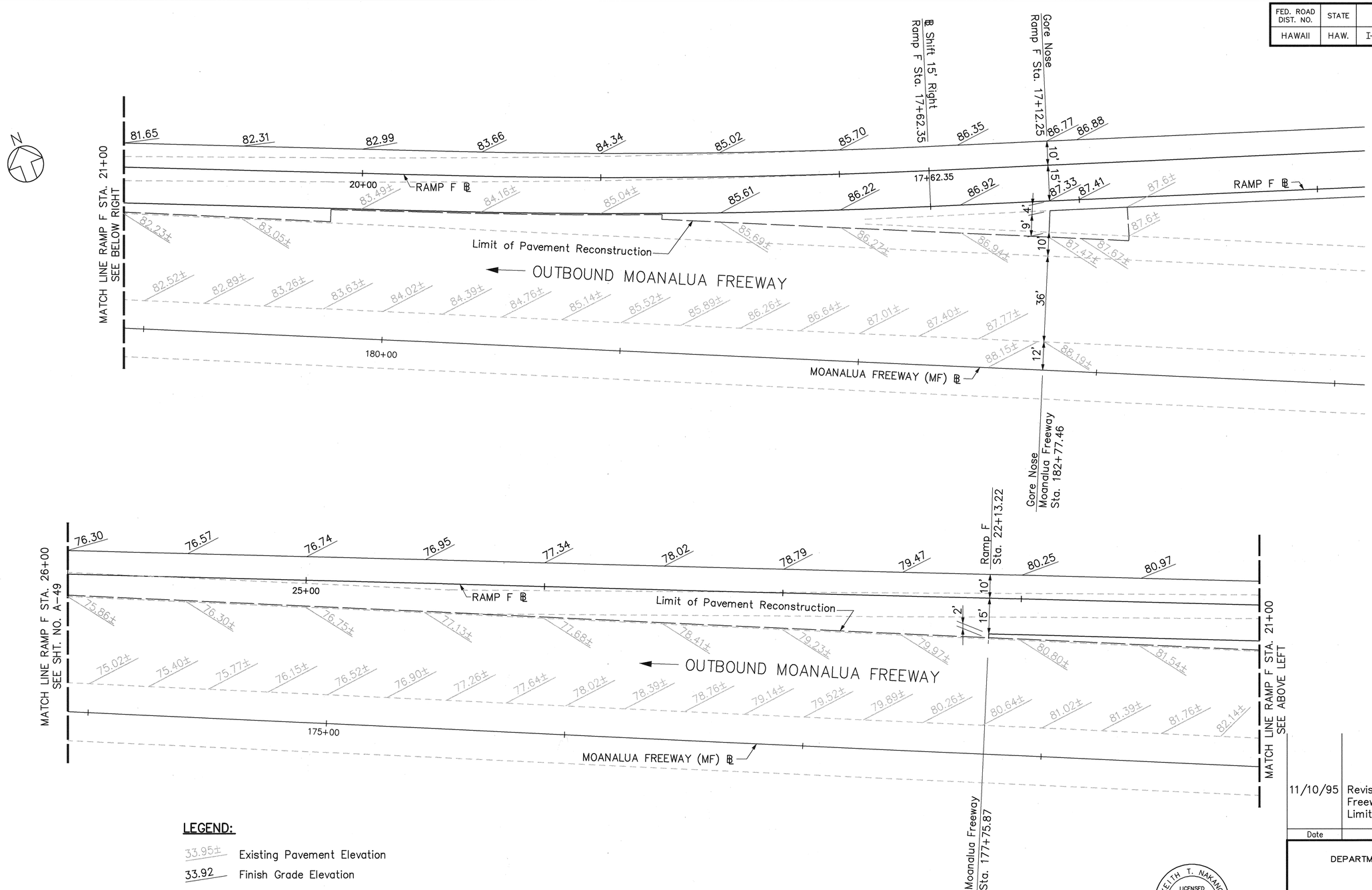
ORIGINAL PLAN | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE
NOTE BOOK No.

CAD by J. Minvera, 55-52

Last Saved: K:\HALAWA\RAMPDET\FMF-FM.dwg 11/09/95 at 14:53

C.O. 63

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 64 | 325 |




**LEGEND:**

33.95± Existing Pavement Elevation

33.92 Finish Grade Elevation

## RAMP F @ MOANALUA FREEWAY

| Date | Revision |
|---|---|
| 11/10/95 | Revised Ramp F and Moanalua Freeway spot elevations. Added Limit of Pavement Reconstruction. |

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# RAMP TERMINAL DETAILS
# INTERSTATE ROUTE H-1

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 20' DATE: AUGUST 1994

SHEET NO. A-50 OF 53 SHEETS

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

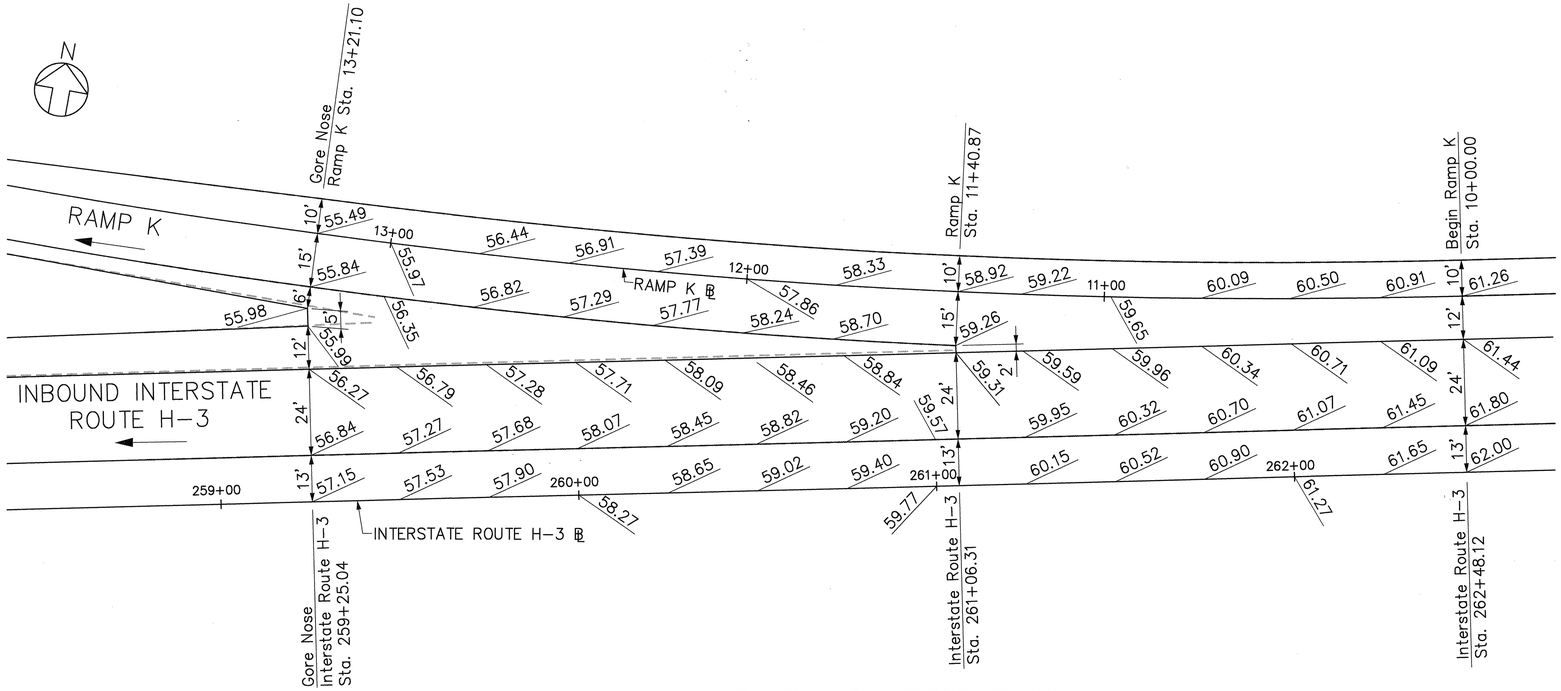
ORIGINAL PLAN
NOTE BOOK No.
SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
DATE

CAD by J. Minvuo, 55-52

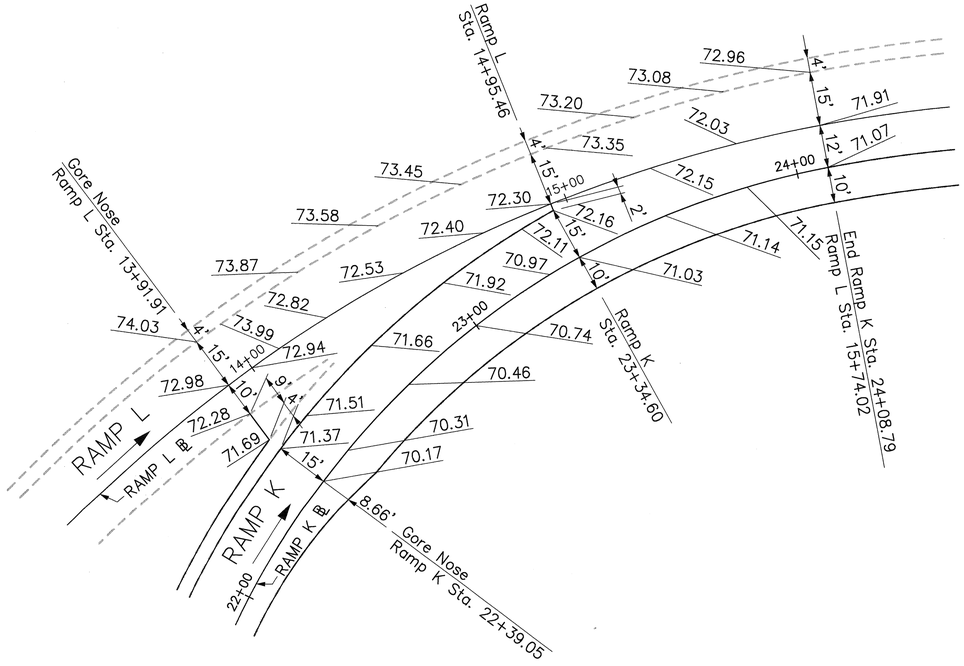
Last Saved: K:\HALAWA\RAMPDET\FMF.dwg 11/09/95 at 14:57

C.O. 64

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 65 | 325 |




## RAMP K @ INTERSTATE ROUTE H-3




## RAMP K @ RAMP L

## LEGEND:

33.95± Existing Pavement Elevation

33.92 Finish Grade Elevation

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

# RAMP TERMINAL DETAILS
# RAMP K @ INTERSTATE H-3
# RAMP K @ RAMP L

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 20' DATE: AUGUST 1994

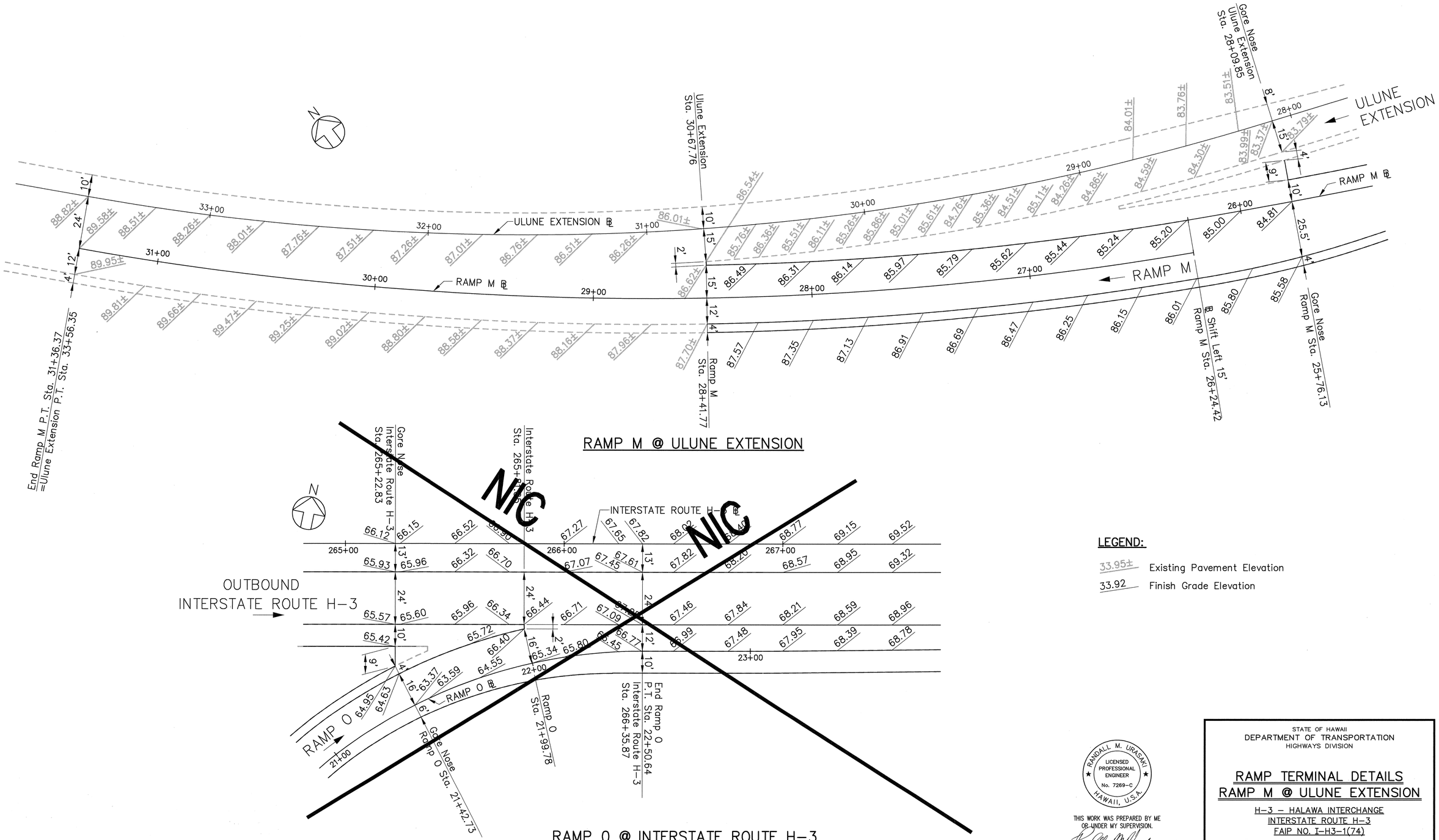
SHEET NO. A-51 OF 53 SHEETS

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

CAD by J. MIMURA, 55-52

Last Saved: G:\HALAWA\RAMPDET\KH3-KL.dwg 09/23/94 at 12:01

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 66 | 325 |




**LEGEND:**

33.95± Existing Pavement Elevation

33.92 Finish Grade Elevation

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

## RAMP TERMINAL DETAILS
## RAMP M @ ULUNE EXTENSION

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 20' DATE: AUGUST 1994

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

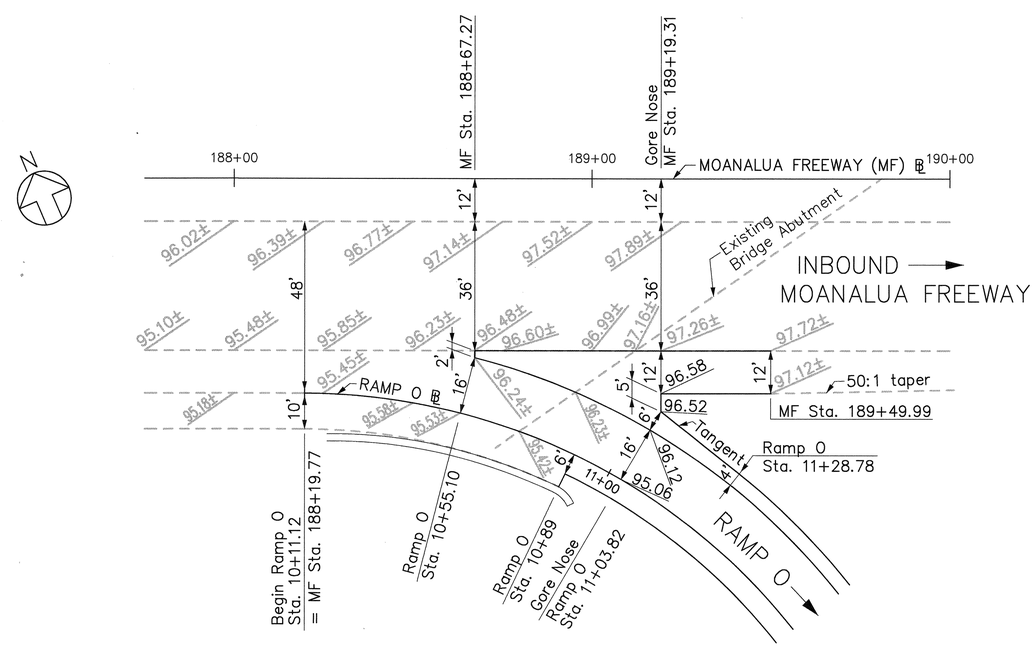
SHEET NO. A-52 OF 53 SHEETS

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

CAD by J. MINAIRA, 55-52

Last Saved: G:\HALAWA\RAMPDET\MU-OH3.dwg 09/23/94 at 12:10

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| HAWAII | HAW. | I-H3-1(74) | 1993 | 67 | 325 |

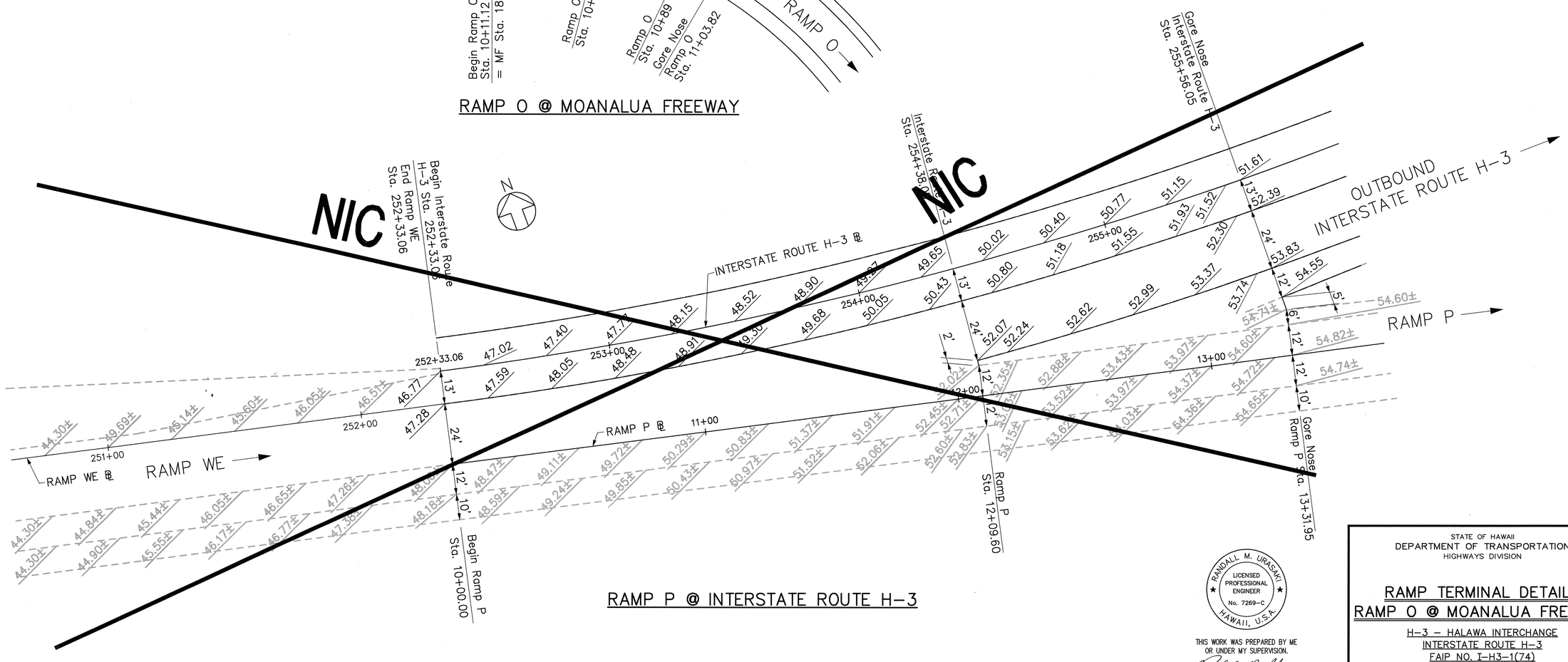



RAMP O @ MOANALUA FREEWAY

**LEGEND:**

33.95± Existing Pavement Elevation

33.92 Finish Grade Elevation




RAMP P @ INTERSTATE ROUTE H-3

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

RAMP TERMINAL DETAILS
RAMP O @ MOANALUA FREEWAY

H-3 – HALAWA INTERCHANGE
INTERSTATE ROUTE H-3
FAIP NO. I-H3-1(74)

SCALE: 1" = 20' DATE: AUGUST 1994

SHEET NO. A-53 OF 53 SHEETS

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

CAD by J. MIMURA, 55-52

Last Saved: G:\HALAWA\RAMPDET\OMF-PH3.dwg 09/27/94 at 09:16