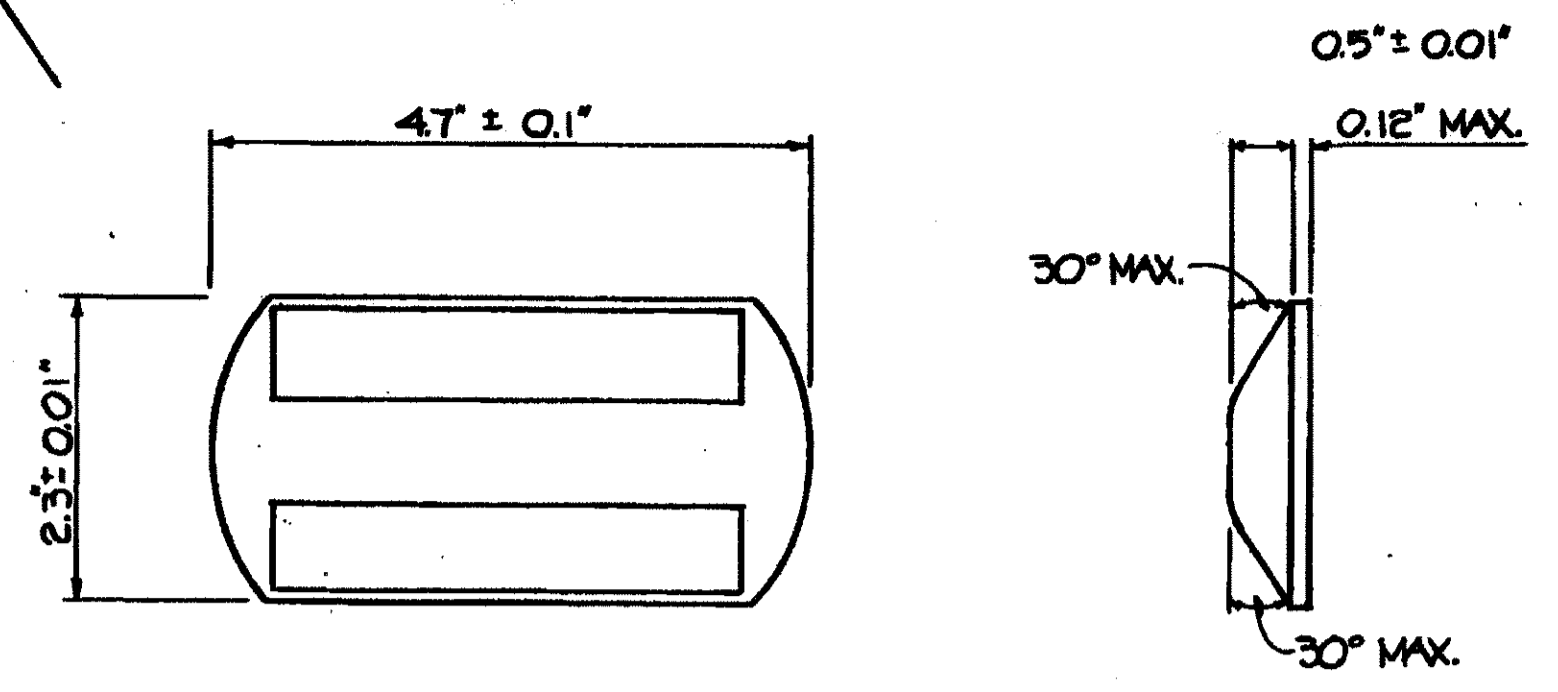
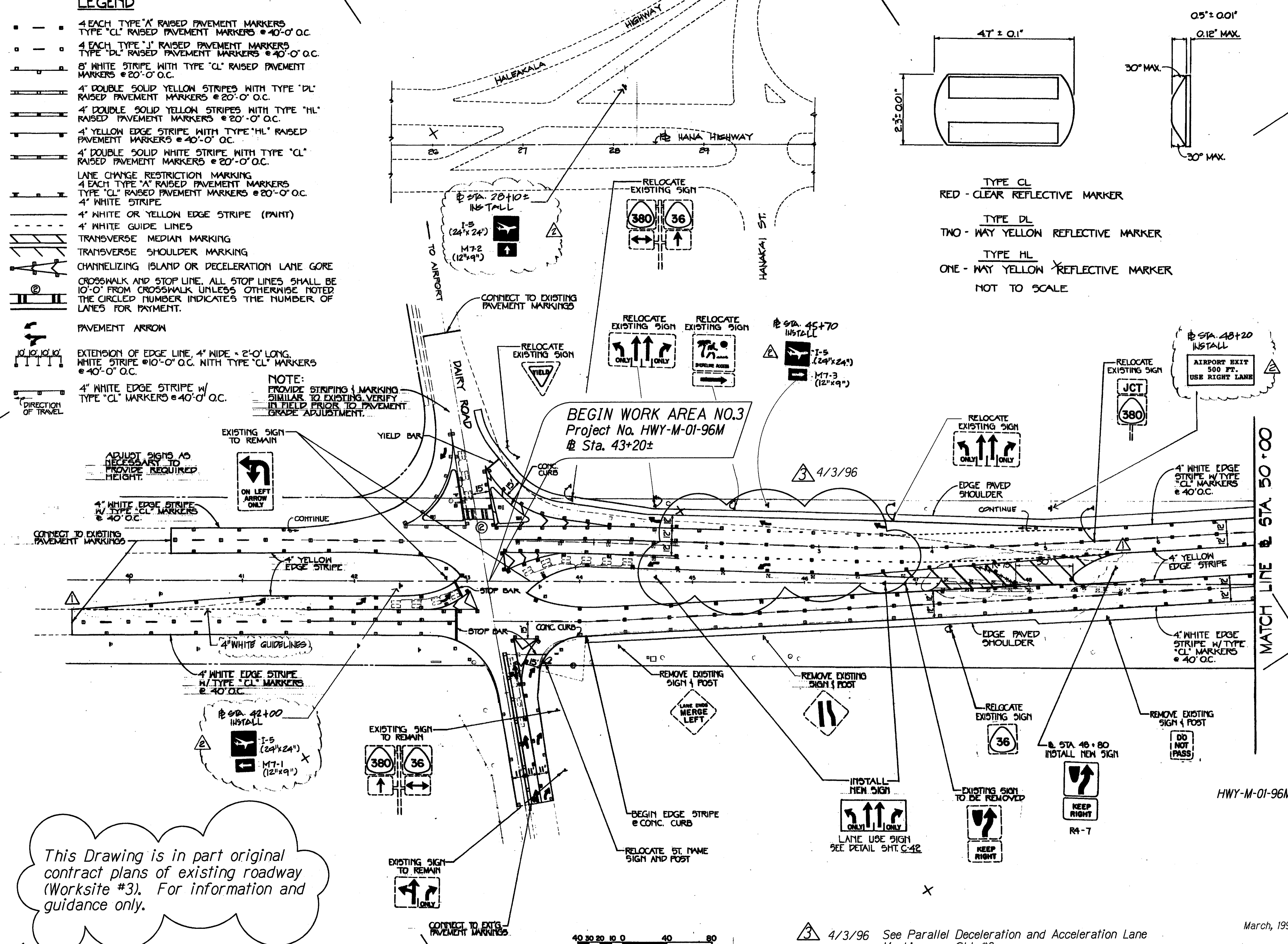


**LEGEND**

- 4 EACH TYPE "A" RAISED PAVEMENT MARKERS  
TYPE "CL" RAISED PAVEMENT MARKERS @ 40'-0" O.C.
- 4 EACH TYPE "J" RAISED PAVEMENT MARKERS  
TYPE "DL" RAISED PAVEMENT MARKERS @ 40'-0" O.C.
- 8' WHITE STRIPE WITH TYPE "CL" RAISED PAVEMENT MARKERS @ 20'-0" O.C.
- 4" DOUBLE SOLID YELLOW STRIPES WITH TYPE "DL" RAISED PAVEMENT MARKERS @ 20'-0" O.C.
- 4" DOUBLE SOLID YELLOW STRIPES WITH TYPE "HL" RAISED PAVEMENT MARKERS @ 20'-0" O.C.
- 4" YELLOW EDGE STRIPE WITH TYPE "HL" RAISED PAVEMENT MARKERS @ 40'-0" O.C.
- 4" DOUBLE SOLID WHITE STRIPE WITH TYPE "CL" RAISED PAVEMENT MARKERS @ 20'-0" O.C.
- 4" WHITE STRIPE
- 4" WHITE OR YELLOW EDGE STRIPE (PAINT)
- 4" WHITE GUIDE LINES
- TRANSVERSE MEDIAN MARKING
- TRANSVERSE SHOULDER MARKING
- CHANNELIZING ISLAND OR DECELERATION LANE GORE
- CROSSWALK AND STOP LINE, ALL STOP LINES SHALL BE 10'-0" FROM CROSSWALK UNLESS OTHERWISE NOTED. THE CIRCLED NUMBER INDICATES THE NUMBER OF LANES FOR PAYMENT.
- PAVEMENT ARROW
- EXTENSION OF EDGE LINE, 4" WIDE x 2'-0" LONG. WHITE STRIPE @ 10'-0" O.C. WITH TYPE "CL" MARKERS @ 40'-0" O.C.
- 4" WHITE EDGE STRIPE w/ TYPE "CL" MARKERS @ 40'-0" O.C.

**NOTE:**  
PROVIDE STRIPING & MARKING SIMILAR TO EXISTING. VERIFY IN FIELD PRIOR TO PAVEMENT GRADE ADJUSTMENT.



- TYPE CL  
RED - CLEAR REFLECTIVE MARKER
- TYPE DL  
TWO - WAY YELLOW REFLECTIVE MARKER
- TYPE HL  
ONE - WAY YELLOW REFLECTIVE MARKER
- NOT TO SCALE

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*R. T. Tanaka*  
10/3/89

**R. T. TANAKA ENGINEERS, INC.**  
REGISTERED PROFESSIONAL ENGINEER  
No. 1734-C  
HAWAII, U.S.A.

871 KOLU STREET, SUITE 201  
WAILUKU, MAUI, HAWAII 96793

DSGN DRWN CHKD APPD

R.H.	C.N.	R.T.T.
------	------	--------

**KEY PLAN / NOTES :**

9-10-90	ADDED SIGNS
7-17-90	REVISED PER DOT-H REQUIREMENTS

**AS-BUILT** (Record Drawing)  
DATE: 7/12/91

This Drawing has been prepared, in part, based on information furnished by others. While this information is believed to be reliable, the Designer and Engineer cannot assume accuracy of the As-Built drawings or the results or omissions which may have been incorporated into the final result.

**PROJECT TITLE :**  
PAVEMENT MARKING AND STRIPING  
**HANA HIGHWAY**  
IMPROVEMENTS  
AT VARIOUS LOCATIONS, MAUI

**PROJECT NO. :**  
STATE NO. AM-1061-12  
AIP NO. 3-15-0006-11

**SHEET TITLE :**  
PAVEMENT MARKING & SIGNING PLAN  
WORK AREA 3

11-15-89

March, 1996

40

This Drawing is in part original contract plans of existing roadway (Worksite #3). For information and guidance only.

4/3/96 See Parallel Deceleration and Acceleration Lane Markings on Sht. #3.

This Drawing is in part original contract plans of existing roadway (Worksite #3). For information and guidance only.

**NOTES:**

- LAYOUT OF PAVEMENT MARKINGS AND STRIPING SHALL BE DONE BY THE CONTRACTOR AND APPROVED BY THE ENGINEER PRIOR TO ANY INSTALLATION WORK.
- EXISTING PAVEMENT MARKINGS NOT INCORPORATED IN THE FINAL TRAFFIC PATTERN SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. COSTS SHALL BE INCIDENTAL TO THE VARIOUS PAVEMENT MARKING ITEMS.
- RAISED PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN CROSSWALK.
- DETAILS OF TYPE 'C', TYPE 'D' AND TYPE 'H' MARKERS ON STANDARD PLAN NOS. TE-30, TE-31 AND TE-32 SHALL BE DELETED AND REPLACED WITH DETAILS OF TYPE 'CL', TYPE 'DL' AND TYPE 'HL' MARKERS AS SHOWN ON SHEET C-40 ALL REFERENCES TO TYPE 'C', TYPE 'D' AND TYPE 'H' MARKERS IN THE PLANS SHALL MEAN TYPE 'CL', TYPE 'DL' AND TYPE 'HL' MARKERS.
- EXISTING SIGNS NOT SHOWN ON THESE PLANS SHALL REMAIN AS POSTED UNLESS OTHERWISE DIRECTED BY THE ENGINEER. REMOVAL AND STOCKPILING OF EXISTING SIGNS SHALL BE INCIDENTAL TO THE VARIOUS CONTRACT ITEMS.
- FINAL LOCATIONS OF NEW AND RELOCATED SIGNS SHALL BE APPROVED BY THE ENGINEER.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*[Signature]*  
10/10/99

R. T. TANAKA ENGINEERS, INC.  
871 KOLU STREET, SUITE 201  
WAILUKU, MAUI, HAWAII 96793

DSGN: [ ] DRAWN: [ ] CHECKED: [ ] APPROVED: [ ]

R.H.	C.N.	RTT
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**KEY PLAN NOTES:**

4-10-92 AS-BUILT DRAWINGS

**AS-BUILT** (Record Drawing)  
DATE: 7/12/91

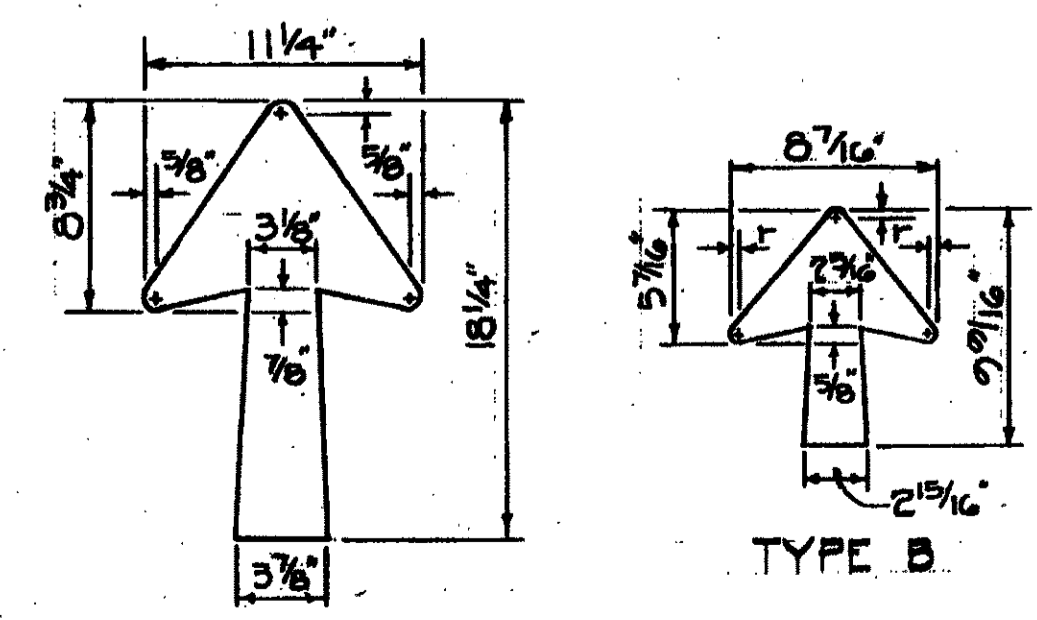
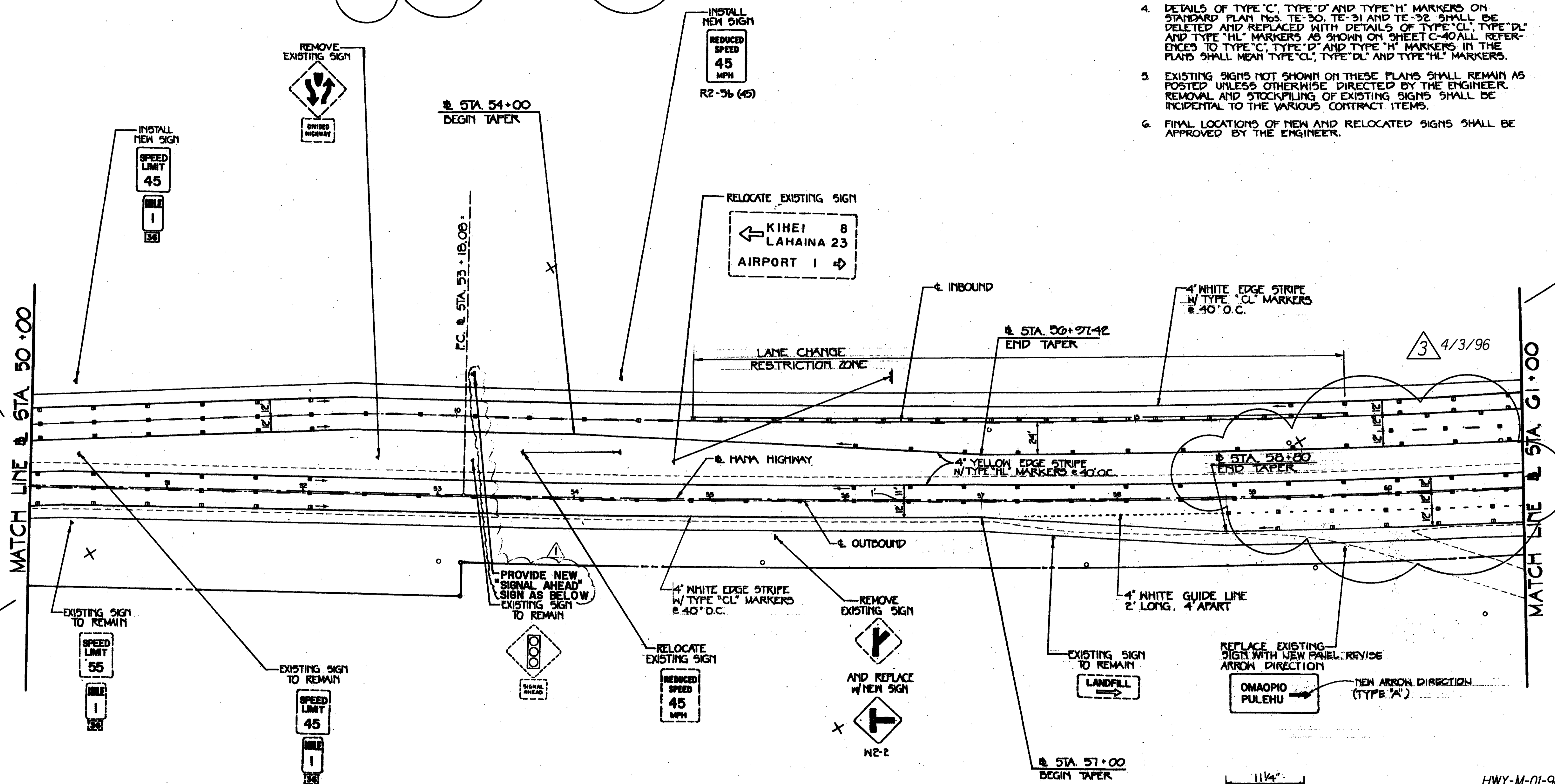
This Drawing has been prepared, in part, based upon information furnished by others. While this information is believed to be reliable, the Designer/Professional cannot assure accuracy of this As-Built drawing or that any errors or omissions which may have been incorporated into it as a result.

PROJECT TITLE:  
**PAVEMENT MARKING AND STRIPING HANA HIGHWAY IMPROVEMENTS AT VARIOUS LOCATIONS, MAUI**

PROJECT NO.:  
STATE NO. AM-1061-12  
AIP NO. 3-15-0006-11

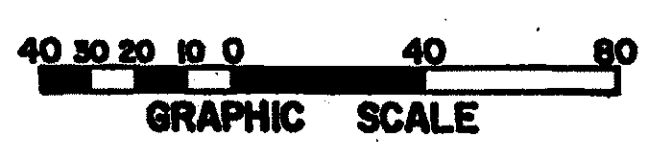
SHEET TITLE:  
**PAVEMENT MARKING & SIGNING PLAN WORK AREA 3**

11-15-89



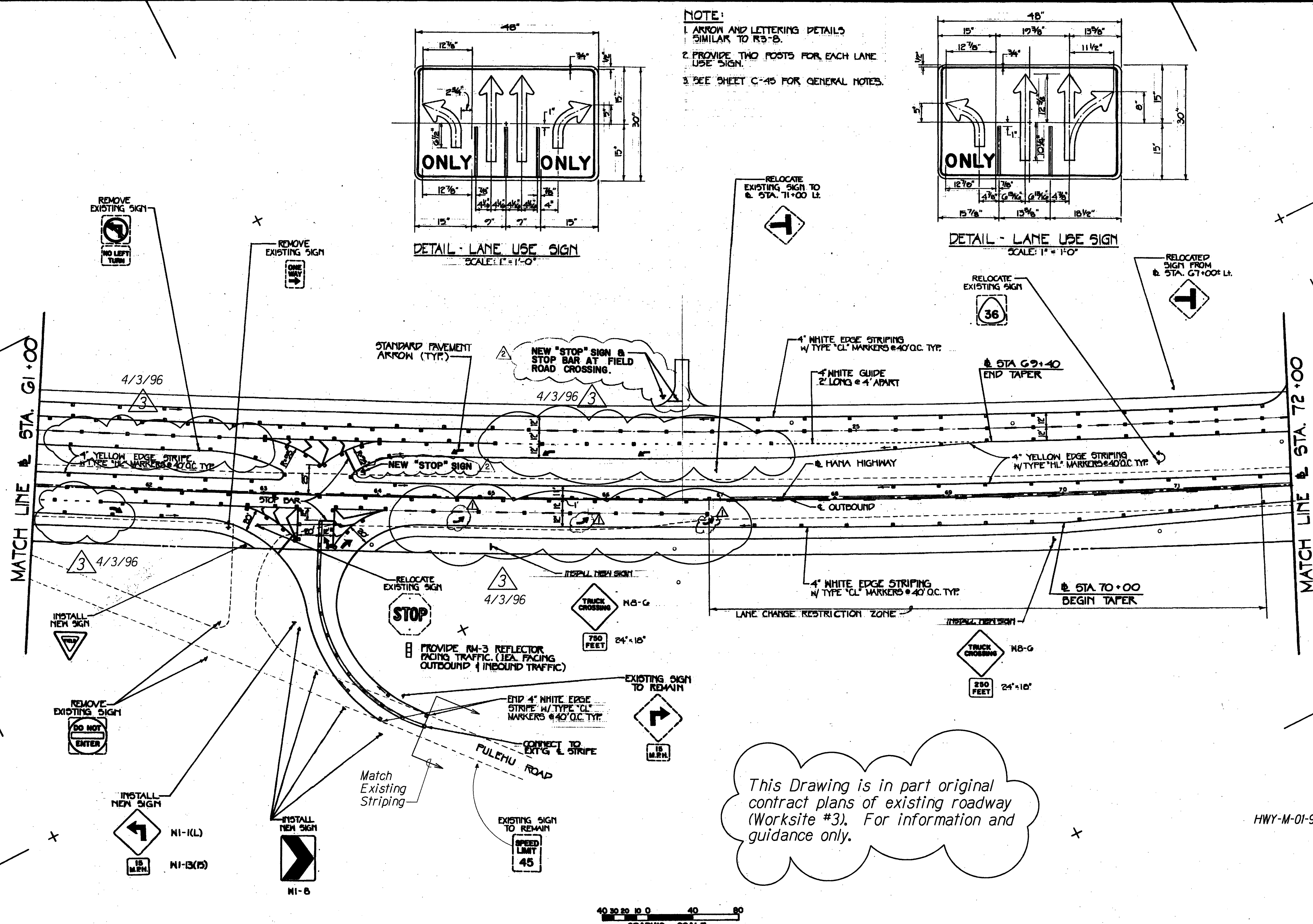
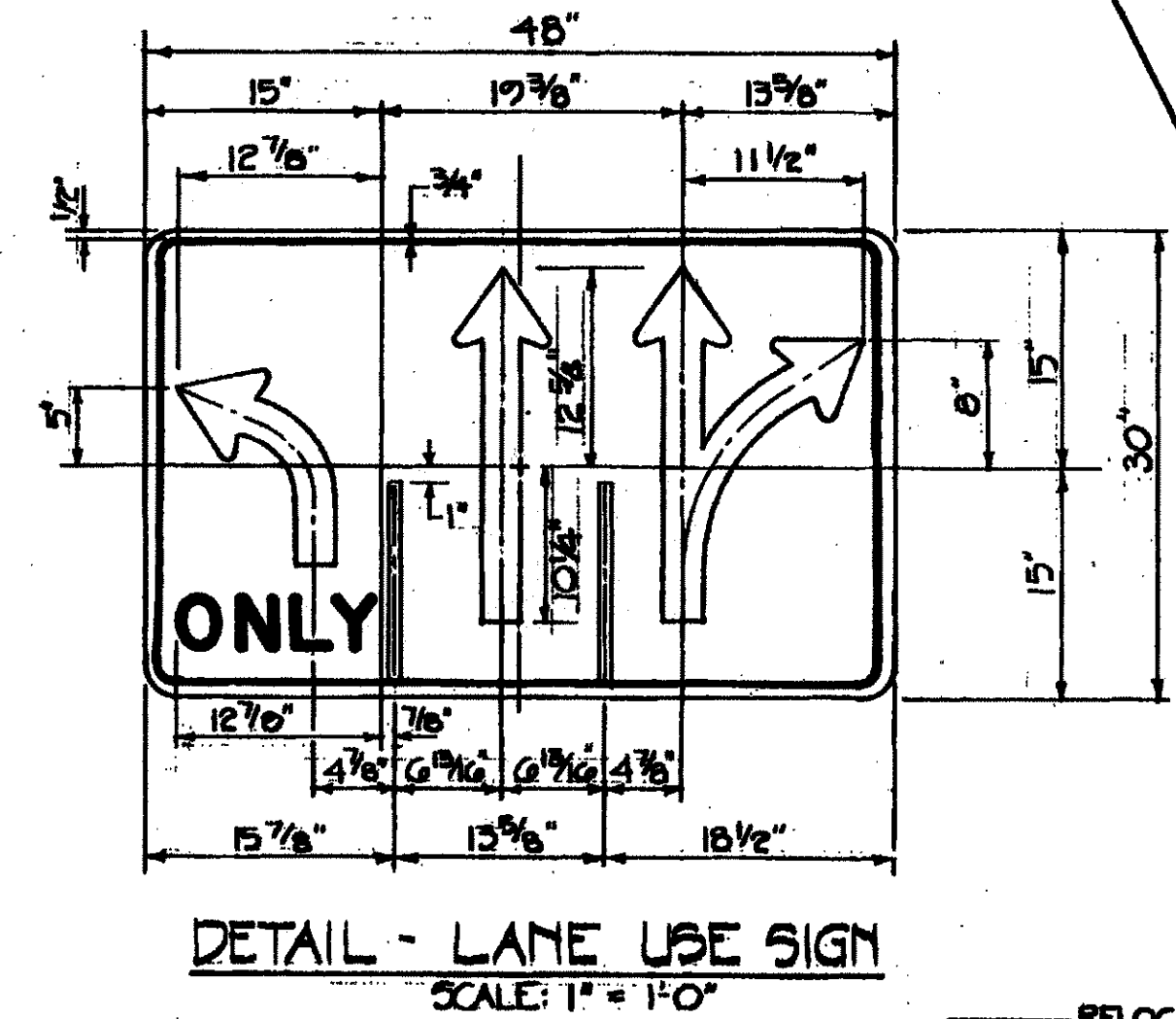
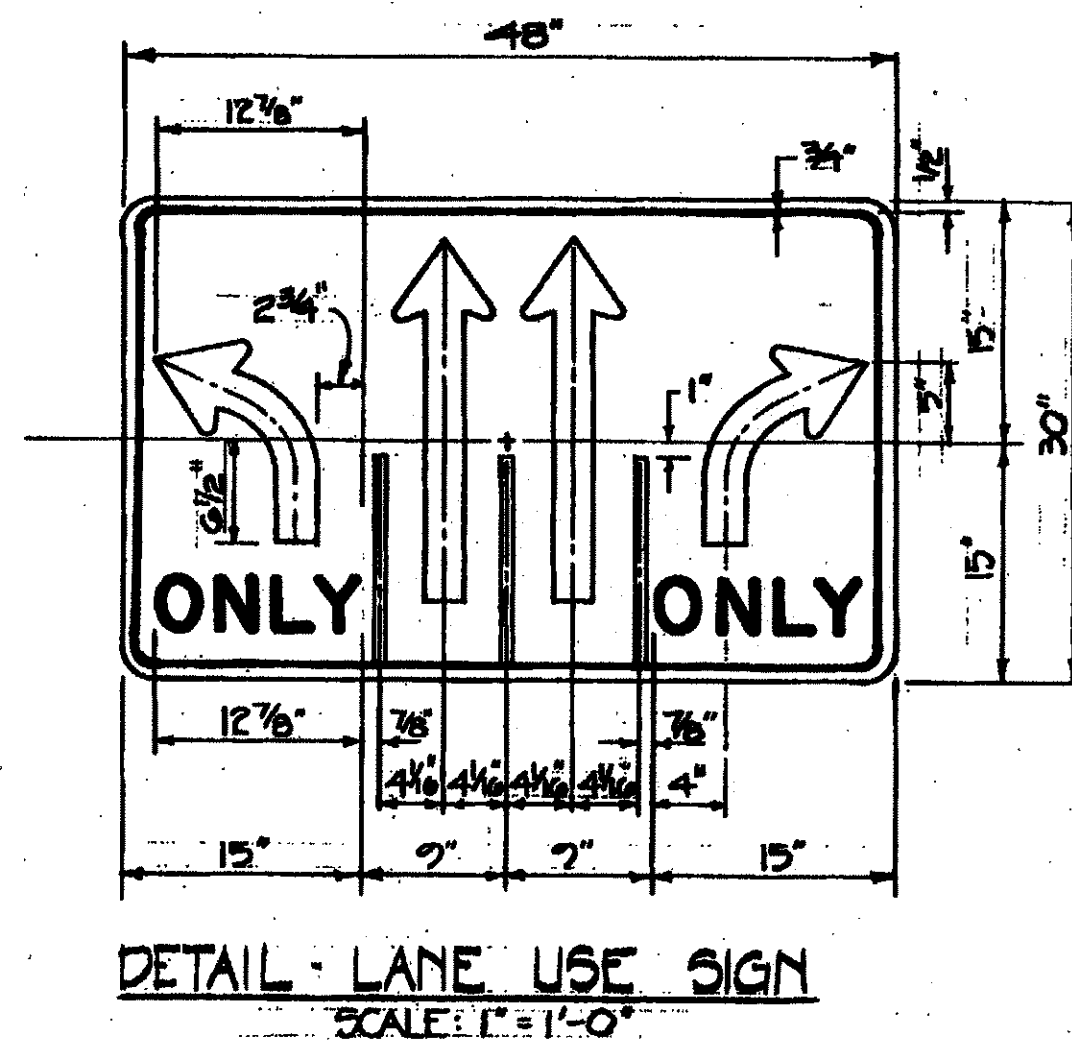
TYPE A  
TYPE B  
**TYPICAL DESTINATION ARROW DETAILS**  
NOT TO SCALE

3 4/3/96 See Parallel Deceleration and Acceleration Lane Markings on Sht. #3.



March, 1996

- NOTE:**
1. ARROW AND LETTERING DETAILS SIMILAR TO R33-B.
  2. PROVIDE TWO POSTS FOR EACH LANE USE SIGN.
  3. SEE SHEET C-45 FOR GENERAL NOTES.



This Drawing is in part original contract plans of existing roadway (Worksite #3). For information and guidance only.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

*Robert T. Tanaka*  
10/3/99

**ROBERT T. TANAKA**  
REGISTERED PROFESSIONAL ENGINEER  
No. 1754-C  
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**R. T. TANAKA ENGINEERS, INC.**  
671 KOLU STREET, SUITE 201  
WAILUKU, MAUI, HAWAII 96793

DESIGN: R.H. DRAWN: C.N. CHECKED: R.T.T. APPROVED: R.T.T.

**KEY PLAN NOTES:**

- 4-10-92 AS-BUILT DRAWING
- 7-17-90 REVISED PER DOT-H REQUIREMENTS

**AS-BUILT** (Record Drawing)

DATE: 7/12/91

This Drawing has been prepared, in part, based upon information furnished by others. While this information is believed to be reliable, the Design Professional cannot assume liability for any errors or omissions which may have been incorporated into it as a result of such information.

**PROJECT TITLE:**  
PAVEMENT MARKING AND STRIPING  
**HANA HIGHWAY**  
**IMPROVEMENTS**  
AT VARIOUS LOCATIONS, MAUI

**PROJECT NO.:**  
STATE NO. AM-1061-12  
AIP NO. 3-15-0006-11

**SHEET TITLE:**  
PAVEMENT MARKING & SIGNING PLAN  
WORK AREA 3

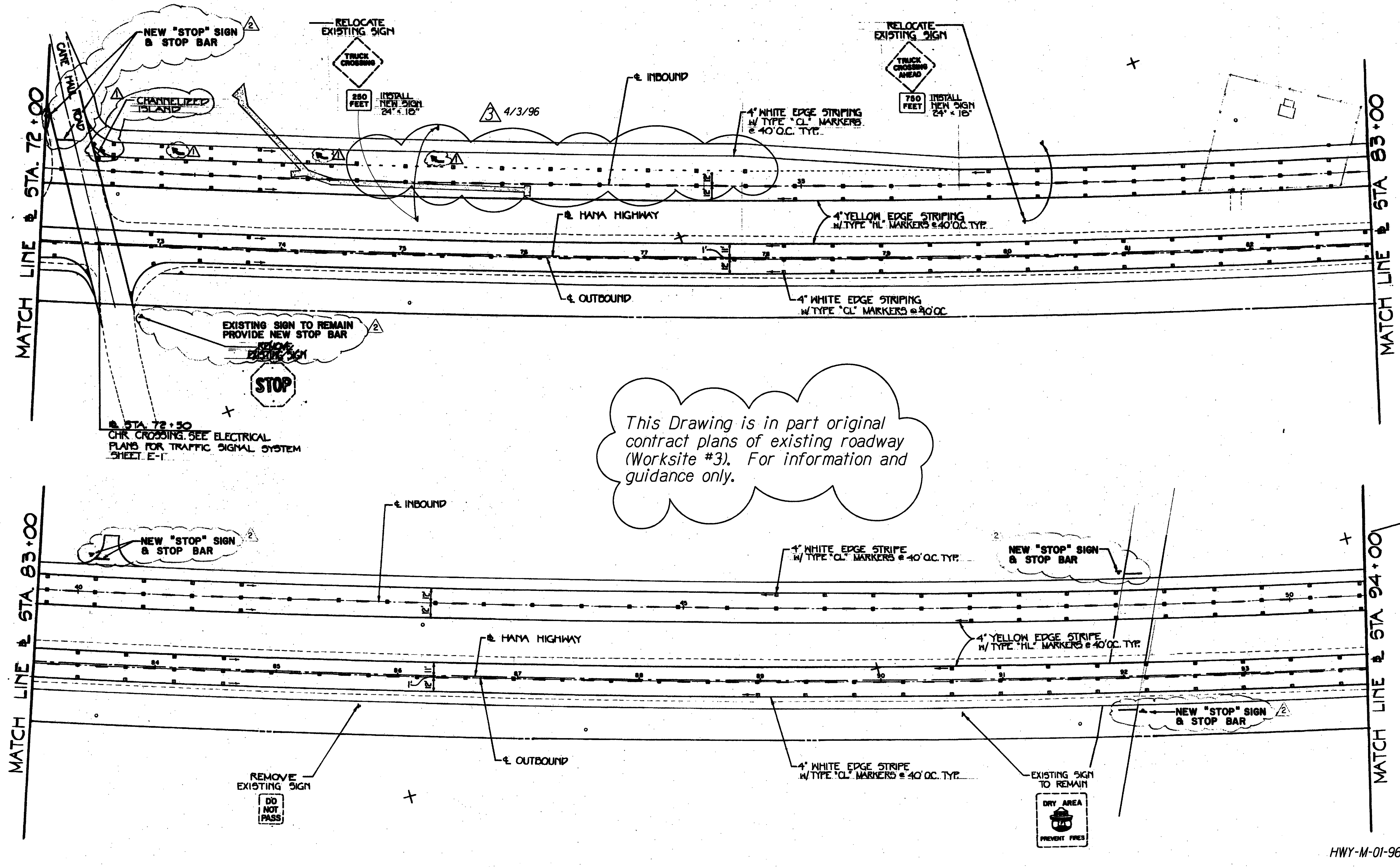
HWY-M-01-96M

March, 1996

11-15-99

6-4-99

3 4/3/96 See Parallel Deceleration and Acceleration Lane Markings on Sht. #3.



This Drawing is in part original contract plans of existing roadway (Worksite #3). For information and guidance only.



4/3/96 See Parallel Deceleration and Acceleration Lane Markings on Sht. #3.

HWY-M-01-96M

March, 1996

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
 Robert T. Tanaka  
 10/2/97  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 1754-C  
 HAWAII, U.S.A.

R. T. TANAKA ENGINEERS, INC.  
 871 KOLE STREET, SUITE 201  
 WAILUKU, MAUI, HAWAII 96793

DESIGNED	DRAWN	CHECKED	APPROVED
R.H.	C.N.	R.T.T.	

KEY PLAN NOTES:

(Empty area for key plan notes)

4-10-72	AS-BUILT DRAWINGS
7-17-70	REVISED PER DOT-H REQUIREMENTS.

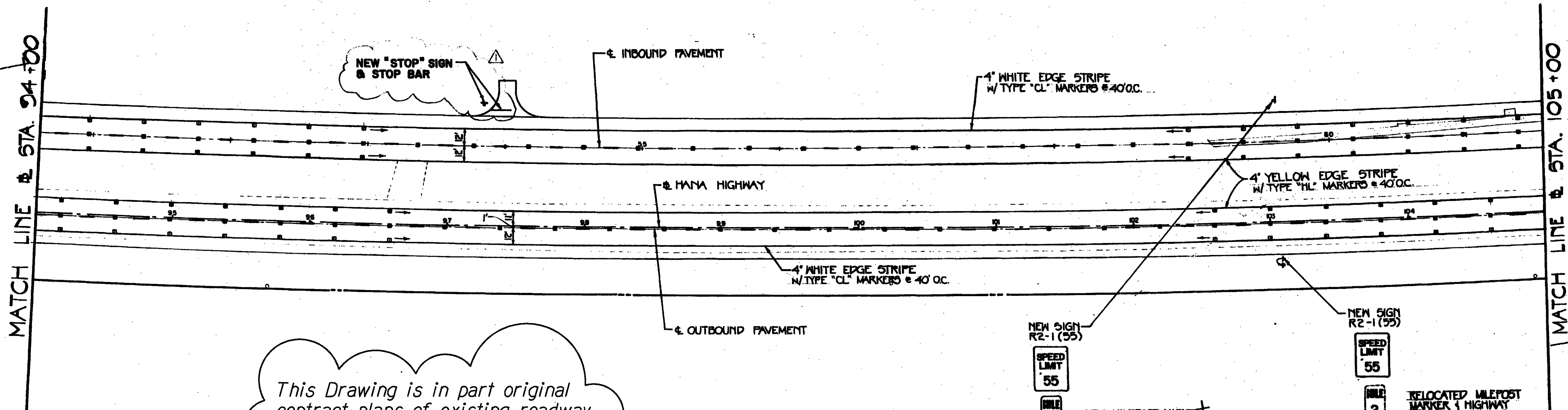
**AS-BUILT** (Record Drawing)  
 DATE 7/12/97  
 This Drawing has been prepared, in part, based upon information furnished by others. While this information is believed to be reliable, the Design Professional cannot assume any responsibility for any errors or omissions which may have been incorporated into it as a result.

PROJECT TITLE:  
**PAVEMENT MARKING AND STRIPING  
 HANA HIGHWAY  
 IMPROVEMENTS  
 AT VARIOUS LOCATIONS, MAUI**

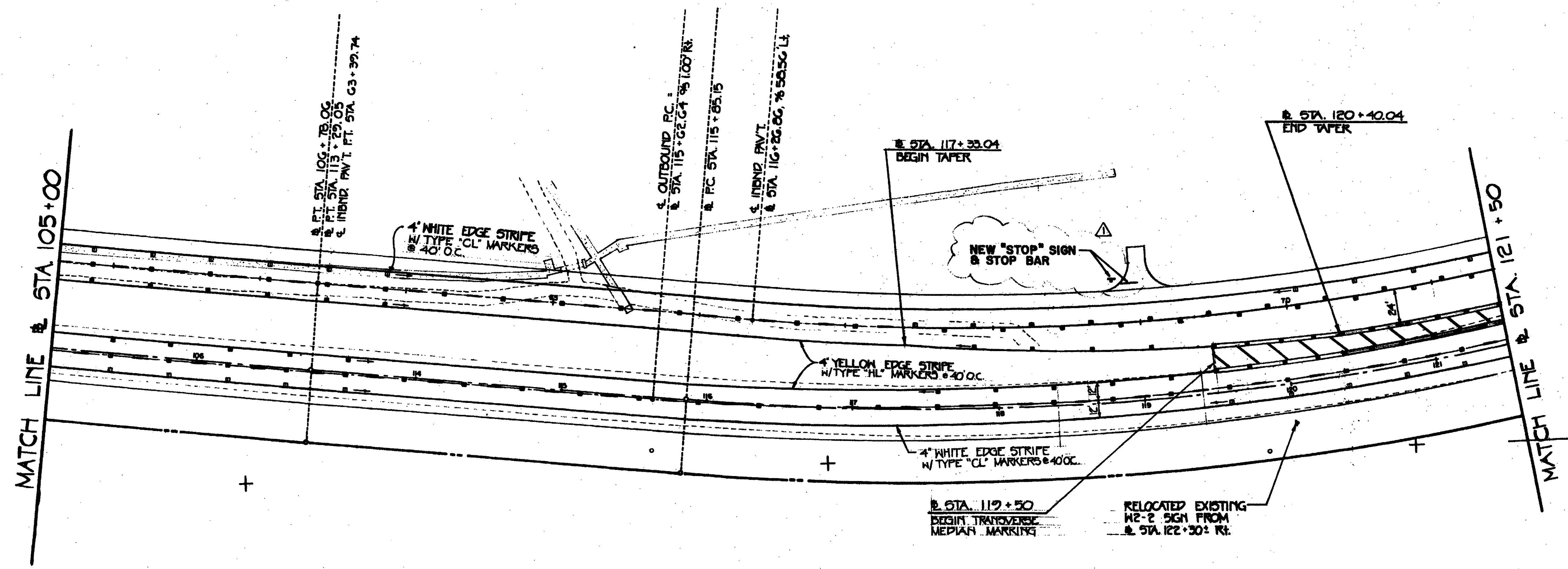
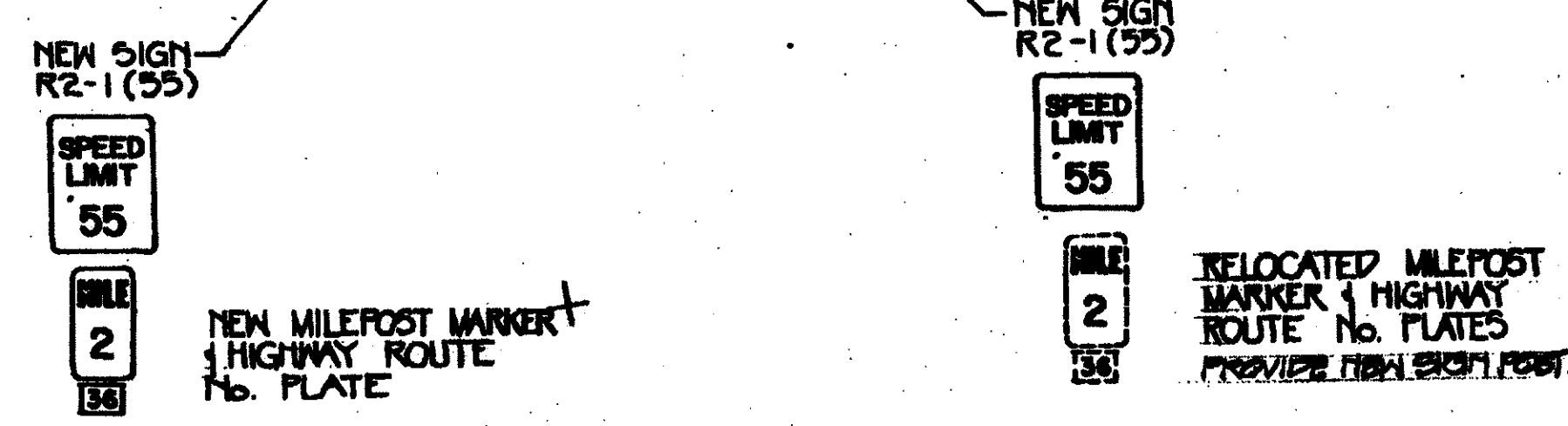
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 STATE NO. AM-1061-12  
 AIP NO. 3-15-0006-11

SHEET TITLE:  
**PAVEMENT MARKING  
 & SIGNING PLAN  
 WORK AREA 3**

11-15-87  
 C-43



This Drawing is in part original contract plans of existing roadway (Worksite #3). For information and guidance only.



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*Robert T. Tanaka*  
 10/13/99  
 ROBERT T. TANAKA  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 1754-C  
 HAWAII U.S.A.

R. T. TANAKA ENGINEERS, INC.  
 871 KOLU STREET, SUITE 201  
 WALLULA, MAUI, HAWAII 96793

R.H.	C.N.	RTT.
KEY PLAN NOTES		

4-10-92 AS-BUILT DRAWINGS

**AS-BUILT** (Record Drawing)  
 DATE 7/12/91

This Drawing has been prepared, in part, based upon information furnished by others. While this information is believed to be reliable, the Design Professional cannot assume accuracy of this As-Built drawing or for any errors or omissions which may have been incorporated into it as a result.

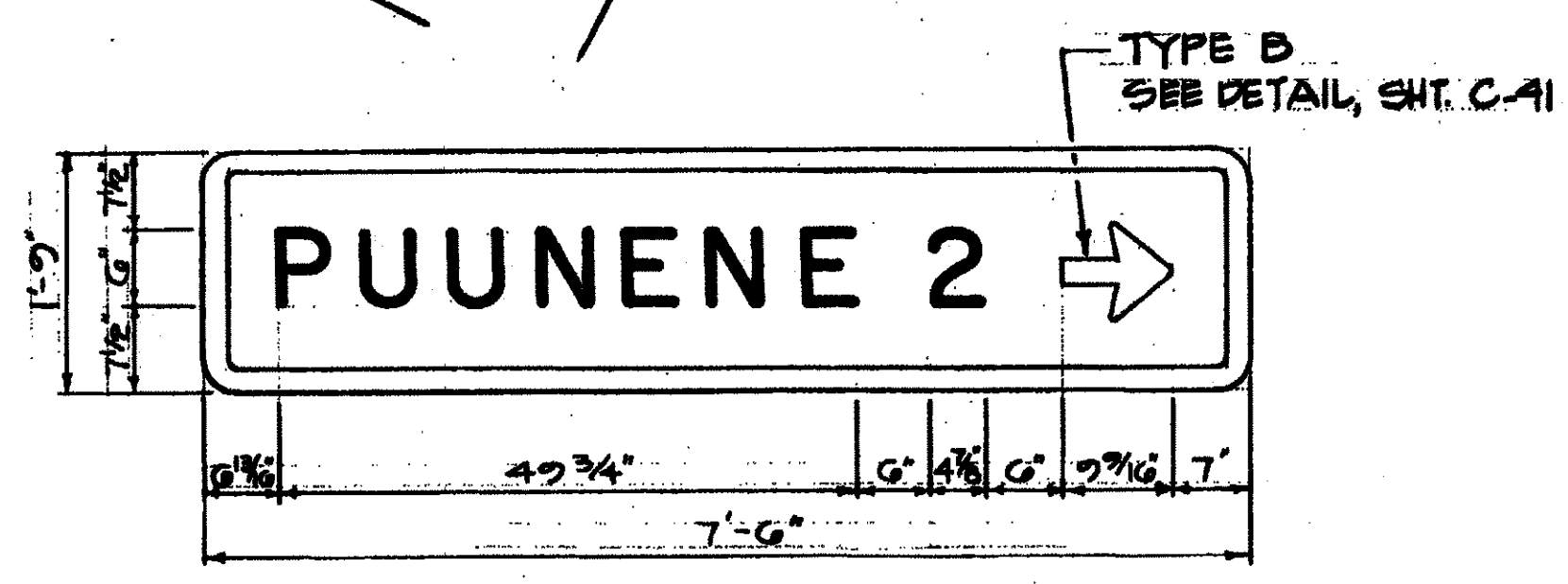
PROJECT TITLE  
**PAVEMENT MARKING AND STRIPING  
 HANA HIGHWAY  
 IMPROVEMENTS  
 AT VARIOUS LOCATIONS, MAUI**

PROJECT NO  
 STATE NO. AM-1061-12  
 AIP NO. 3-15-0006-11

SHEET TITLE  
**PAVEMENT MARKING  
 & SIGNING PLAN  
 WORK AREA 3**

March, 1996

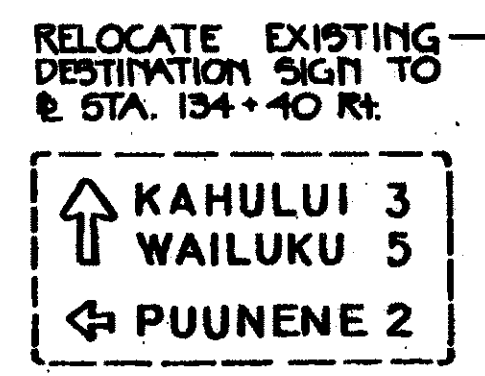
H-15-89  
 44



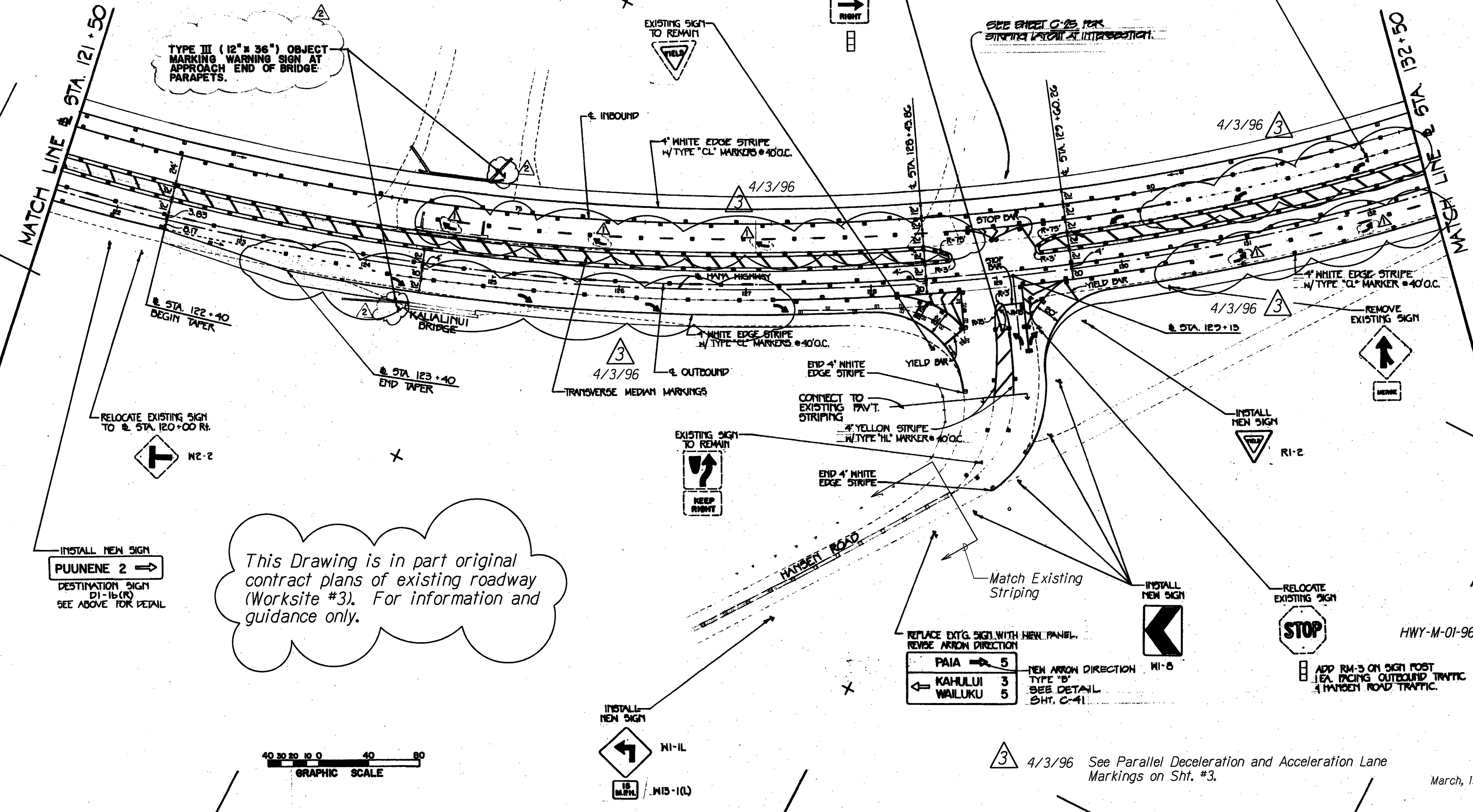
PROVIDE TWO (2) POSTS

SIGN D1-1B  
SCALE: 3/4" = 1'-0"

- GENERAL NOTES:**
1. SIGNS SHALL CONFORM TO THE LATEST EDITIONS AND AMENDMENTS OF THE FOLLOWING FHWA PUBLICATIONS:
    - a. "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS," (MUTCD)
    - b. "STANDARD HIGHWAY SIGNS"
    - c. "STANDARD ALPHABETS FOR HIGHWAY SIGNS"
  2. USE SERIES "E" LETTERS AND NUMERALS UNLESS OTHERWISE NOTED
  3. BORDERS SHALL BE 2" WIDE UNLESS OTHERWISE NOTED. CORNER RADIUS SHALL BE IN ACCORDANCE WITH STANDARD PLAN TE-14.
  4. ARROWS SHALL CONFORM WITH DETAILS AS SHOWN ON PLAN.
  5. NEW SIGN PANELS SHALL BE LAMINATED ALUMINUM OR EXTRUDED ALUMINUM.
  6. FOR GROUND MOUNTED DESTINATION SIGN SUPPORTS AND SIGN POSTS SEE STANDARD PLAN TE-02, TE-03, AND TE-24.
  7. THE MESSAGE, ARROWS AND BORDERS SHALL BE WHITE REFLECTORIZED ON GREEN REFLECTORIZED BACKGROUND.

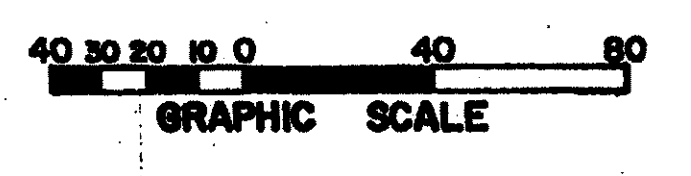


RELOCATE EXISTING DESTINATION SIGN TO STA. 134+40 RT.



TYPE III (12" x 36") OBJECT MARKING WARNING SIGN AT APPROACH END OF BRIDGE PARAPETS.

This Drawing is in part original contract plans of existing roadway (Worksite #3). For information and guidance only.



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*Robert T. Tanaka*  
10/13/97

R. T. TANAKA ENGINEERS, INC.  
871 KOLU STREET, SUITE 201  
WAILUKU, MAUI, HAWAII 96793

DESIGN	DRWN	CHPK	APPD
R.H.	C.N.	R.I.T.	

KEY PLAN NOTES:

△	4-10-92	AS-BUILT DRAWINGS
△	7-17-90	REVISED PER DOT-H REQUIREMENTS

**AS-BUILT** (Record Drawing)  
DATE: 7/12/91

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PROJECT TITLE  
**PAVEMENT MARKING AND STRIPING  
HANA HIGHWAY  
IMPROVEMENTS  
AT VARIOUS LOCATIONS, MAUI**

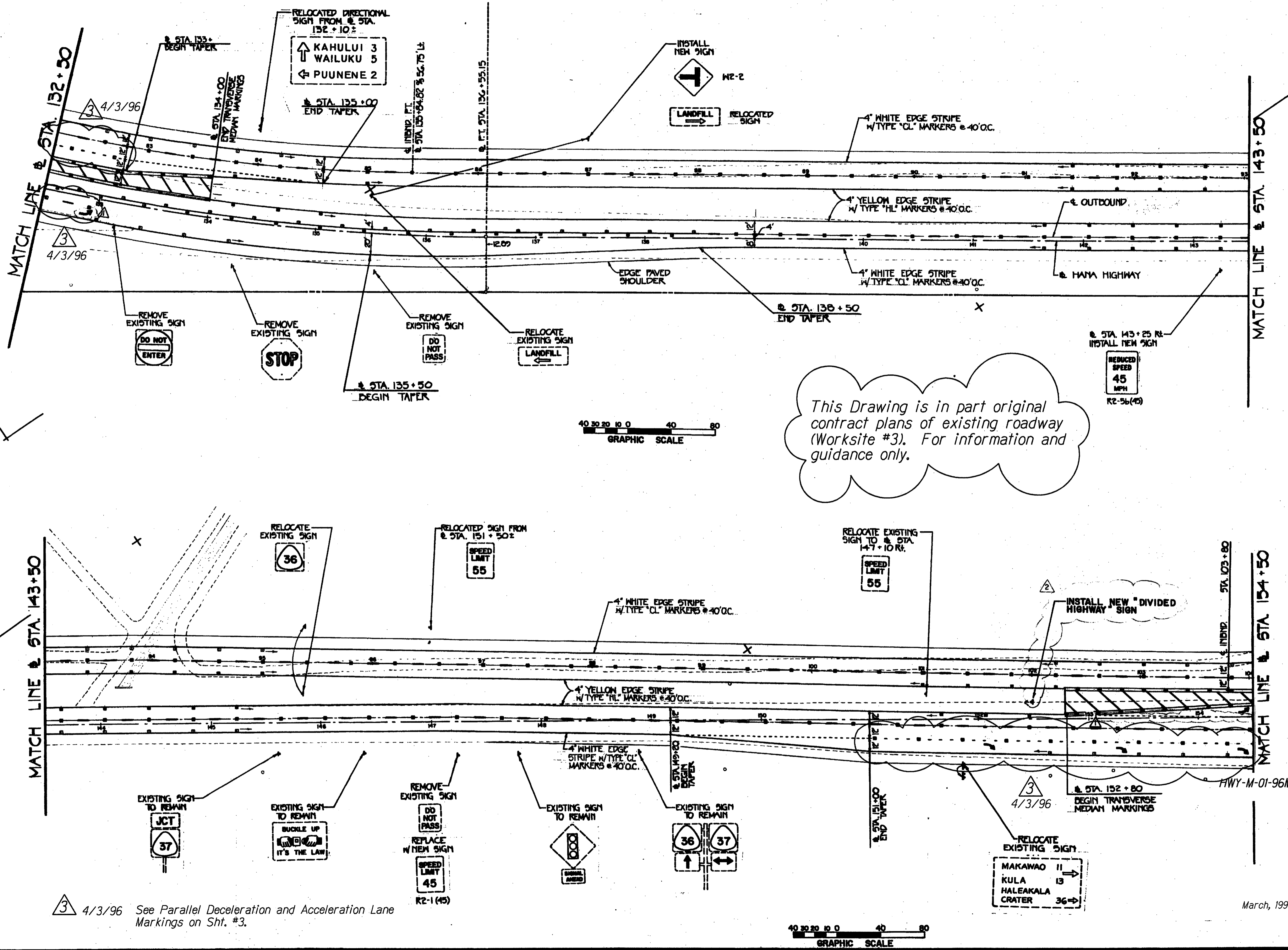
PROJECT NO  
**STATE NO. AM-1061-12  
AIP NO. 3-15-0006-11**

SHEET TITLE  
**PAVEMENT MARKING & SIGNING PLAN  
WORK AREA 3**

DATE: 11-15-97

45

March, 1996



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4/3/96 See Parallel Deceleration and Acceleration Lane Markings on Sht. #3.

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*Robert T. Tanaka*  
 10/10/99  
 ROBERT T. TANAKA  
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R. T. TANAKA ENGINEERS, INC.  
 871 KOLU STREET, SUITE 201  
 WAILUKU, MAUI, HAWAII 96793

R.H.	C.N.	R.T.T.
KEY PLAN NOTES:		

4-10-92 AS-BUILT DRAWINGS  
 7-11-90 REVISED PER DOT-H REQUIREMENTS

**AS-BUILT** (Record Drawing)  
 DATE: 7/12/91

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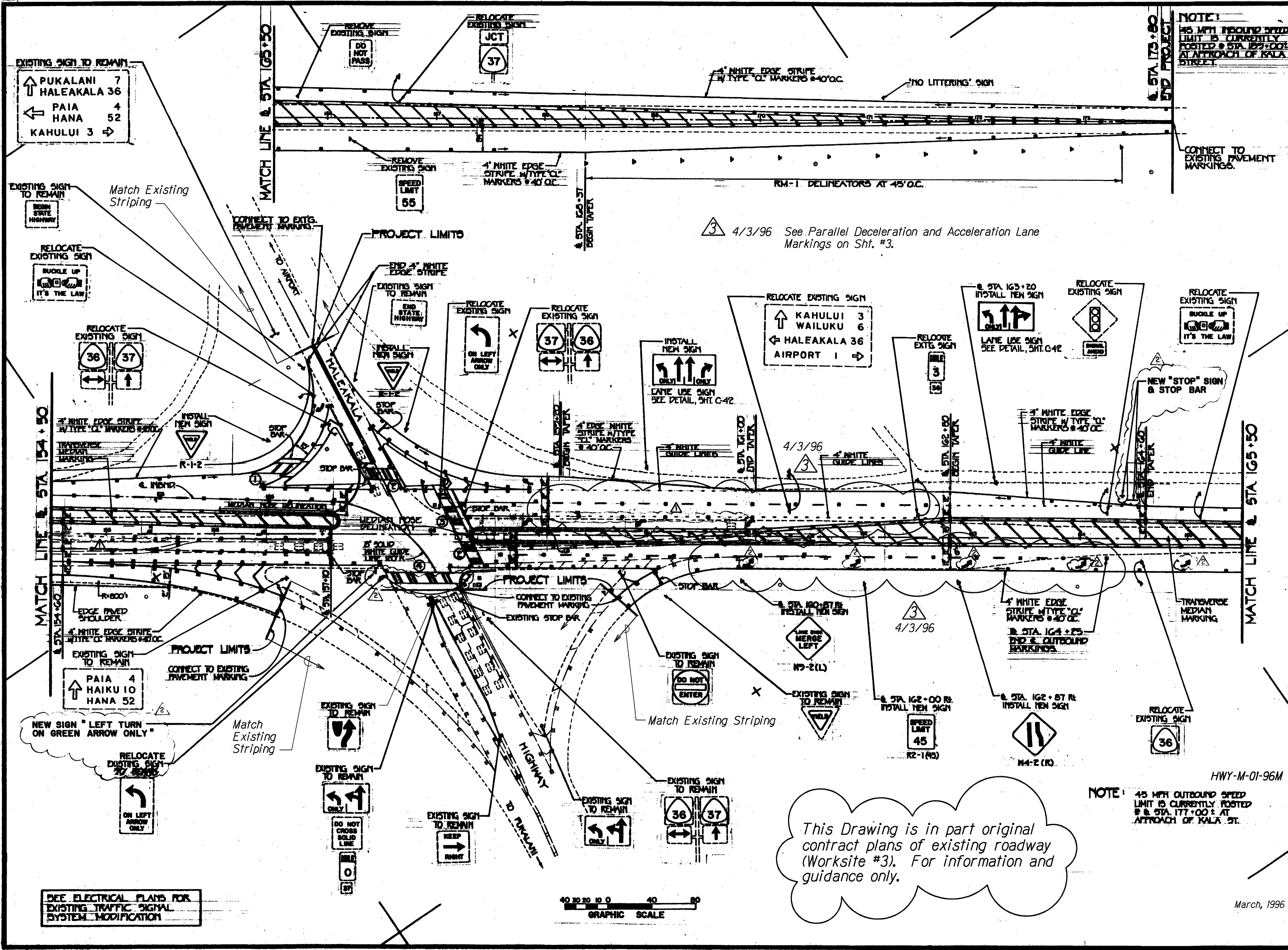
PROJECT TITLE  
**PAVEMENT MARKING AND STRIPING  
 HANA HIGHWAY  
 IMPROVEMENTS  
 AT VARIOUS LOCATIONS, MAUI**

PROJECT NO.  
 STATE NO. AM-1061-12  
 AIP NO. 3-15-0006-11

SHEET TITLE  
**PAVEMENT MARKING  
 & SIGNING PLAN  
 WORK AREA 3**

11-15-82  
 6-46

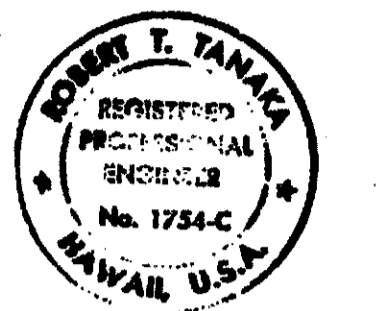
March, 1996



**NOTE:**  
 45 MPH INBOUND SPEED LIMIT IS CURRENTLY POSTED @ STA. 172+00 AT APPROACH OF KALA STREET.

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*R. T. Tanaka*  
 10/2/96



R. T. TANAKA ENGINEERS, INC.  
 871 HOLE STREET, SUITE 201  
 HALLIHI, MAUI, HAWAII 96783

R.H.	C.N.	R.T.T.
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KEY PLAN NOTES

4-10-96	AS-BUILT DRAWINGS
7-17-90	REVISED PER DOT-H REQUIREMENTS

**AS-BUILT** (Record Drawing)  
 DATE 7/12/91

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PROJECT TITLE  
**PAVEMENT MARKING AND STRIPING HANA HIGHWAY IMPROVEMENTS AT VARIOUS LOCATIONS, MAUI**

PROJECT NO.  
 STATE NO. AM-1061-1-2  
 AIP NO. 3-15-0006-11

SHEET TITLE  
**PAVEMENT MARKING & SIGNING PLAN WORK AREA 3**

March, 1996  
 11-15-01  
 G-47

4/3/96 See Parallel Deceleration and Acceleration Lane Markings on Sht. #3.

This Drawing is in part original contract plans of existing roadway (Worksite #3). For information and guidance only.



SEE ELECTRICAL PLANS FOR EXISTING TRAFFIC SIGNAL SYSTEM MODIFICATION

**NOTE:** 45 MPH OUTBOUND SPEED LIMIT IS CURRENTLY POSTED @ STA. 177+00 AT APPROACH OF KALA ST.