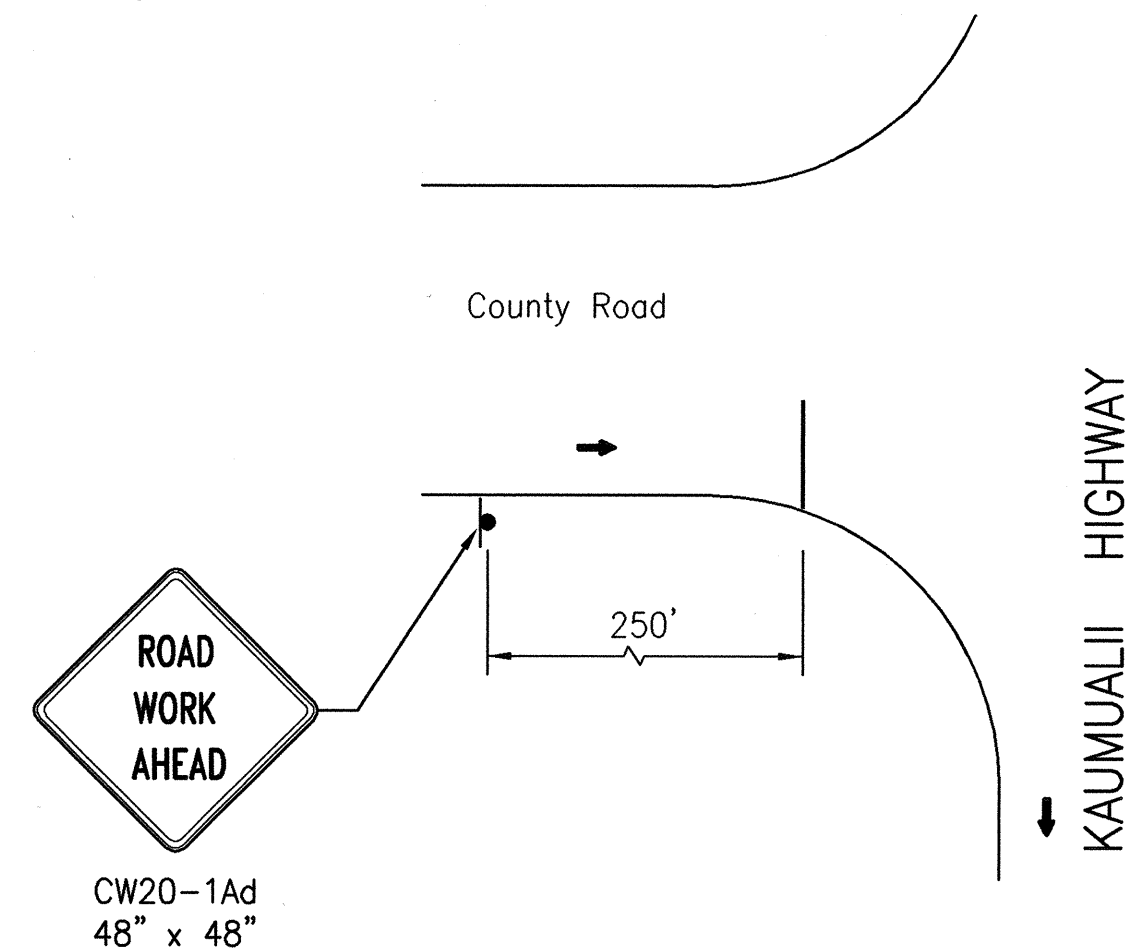


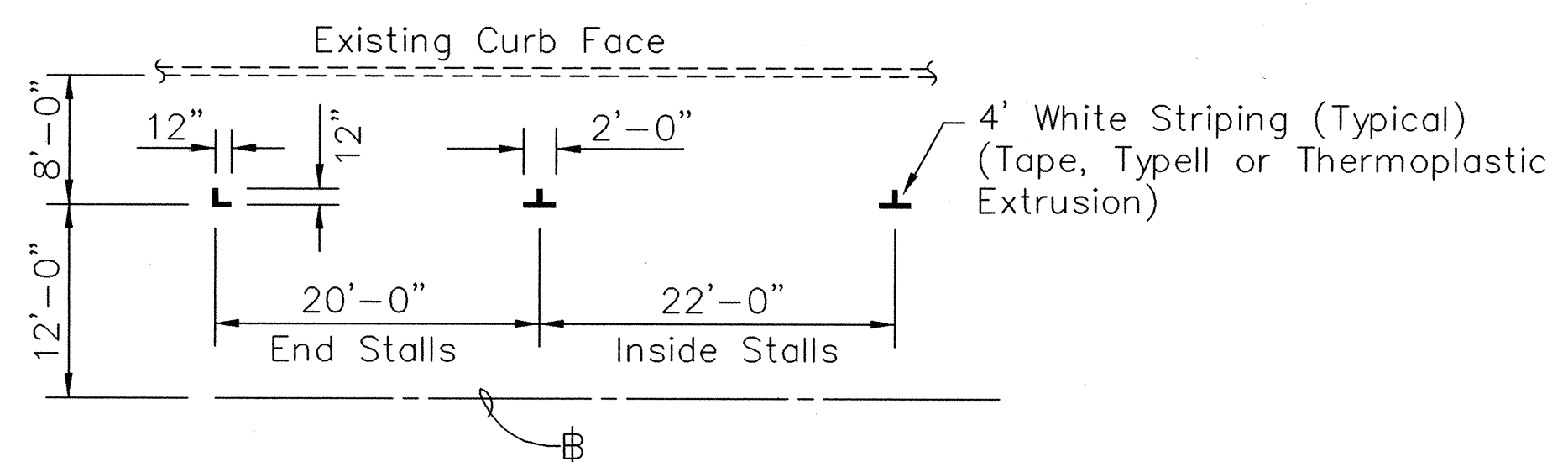
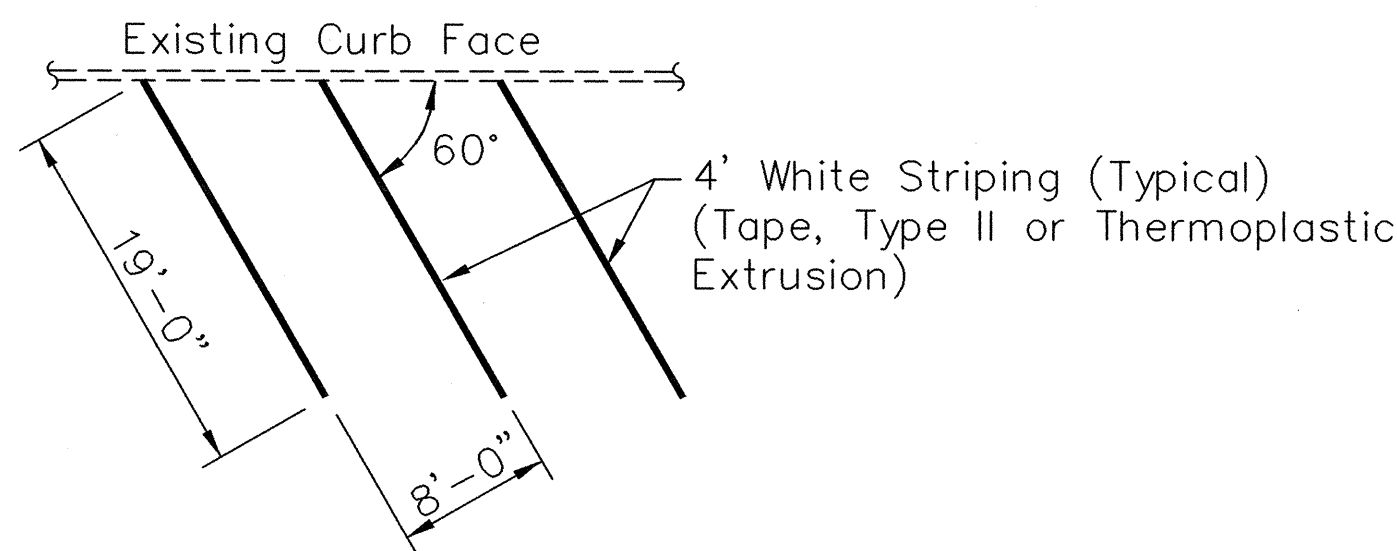
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	34	40

## PAVEMENT MARKING AND SIGNING 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 crosswalks.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- All pavement striping shall be as noted on the legend or plans.
- Existing signs that are to be replaced, shall not be removed until new signs are installed as replacements, or the messages are no longer necessary.
- Backing for all new regulatory and warning signs shall not be spliced.
- All sign panels shall conform to Section 621 of Special Provisions and the latest editions and amendments of the following FHWA publications:
  - "Manual on Uniform Traffic Control Devices for Streets and Highways" (MUTCD)
  - "Standard Highway Signs."
  - "Standard Alphabets for Highway Signs."
- Borders, messages, arrows, symbols and shields shall conform to details as shown on the plans and as specified in the MUTCD.
- All new and relocated signs and markers installed on pipe post or light standard are to be mounted with band brackets and steel braces.
- Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
- Removal of existing delineators and posts as directed by the Engineer or shown on the plans, shall be considered incidental to the various signing items.
- All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
- Removing and reinstalling existing street name signs on regulatory and warning sign post shall not be paid for separately but shall be considered incidental to the various signing items.
- Final locations of all stop lines shall be approved by the Engineer prior to installation.
- The Contractor shall erect at the beginning of the project and at the end of the project advance construction warning signs as indicated on the plans or as directed by the Engineer. The signs shall be kept in place for the duration of the project and shall be maintained by the Contractor. These signs shall be placed in addition to the required traffic control signs called for in Section 645-Traffic Control. The advance construction warning signs shall be new and become the property of the State. The Contractor shall remove, clean and deliver the signs and posts to the Kauai District Baseyard or as directed by the Engineer of the project.
- Install Type II object markers on all utility poles or trees that are within the State highway right of way, except in curbed medians which shall be marked as directed by the Engineer. Installation of Type II object markers shall be paid under Item No. 621.4200 Object Marker, Type II.
- All pavement striping within County right-of-way shall be Thermoplastic Extrusion.



**TYPICAL TRAFFIC CONTROL PLAN FOR SIDE STREETS**  
NOT TO SCALE



**Note:**  
Parking Space Striping Shall Be Paid Under Item No. 629.1110 4-Inch Pavement Striping (Tape, Type II or Thermoplastic Extension)

**TYPICAL PARKING SPACE LAYOUT**  
NOT TO SCALE

## LEGEND

- 4 each Type A Raised Pavement Markers  
Type C Raised Pavement Markers @ 40'-0" o.c.
- 4 Each Type J Raised Pavement Markers  
Type D Raised Pavement Markers @ 40'-0" O.C.
- 8" White Stripe with Type C Raised Pavement Markers @ 20'-0" o.c. (Tape, Type I or Thermoplastic Extrusion.)
- 4" Double Solid Yellow with Type D Raised Pavement Markers @ 20'-0" O.C. (Tape, Type I or Thermoplastic Extrusion) See Note 18
- 4 Each Type J Raised Pavement Markers  
Type D Raised Pavement Markers @ 40'-0" O.C.  
Type H Raised Pavement Markers (Reflective surface facing no passing direction)
- 4" Single Solid Yellow Stripe (Tape, Type I or Thermoplastic Extrusion).
- 4" Yellow edge stripe with Type H Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" or 8" White Edge Stripe with Type C Raised Pavement Markers @ 40'-0" o.c. (Tape, Type II or Thermoplastic Extrusion)
- 4" White Guide Lines (Tape, Type III or Thermoplastic Extrusion except for bus bays)
- 12" Transverse Shoulder Marking (Tape, Type II or Thermoplastic Extrusion)
- ② 12" 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 (Tape, Type III or Thermoplastic Extrusion)
- 12" Stop Line (Tape, Type III or Thermoplastic Extrusion)
- STOP Pavement Word (Tape, Type III or Thermoplastic Extrusion). See Note 18.
- Reflector Marker (RM-3) w/ Steel Post
- Reflector Marker (RM-4), (L) or (R) w/ Steel Post
- Existing Sign
- New Sign

DATE: 07/09/00  
OPER: GKC/PT\*/LSA  
REVIS: 04/09/01

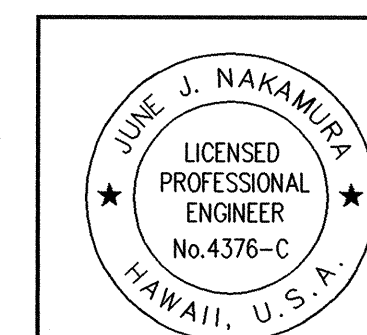
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PLOT SCALE: 1"=1'  
FILE: 9930-M1.DWG  
JOB NO. 9930

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

APPROVED :

County Engineer, Department of Public Works  
(For Work Within County Right-Of-Way)

4/30/01  
Date



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
BY:   
DATE: 12-14-00

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

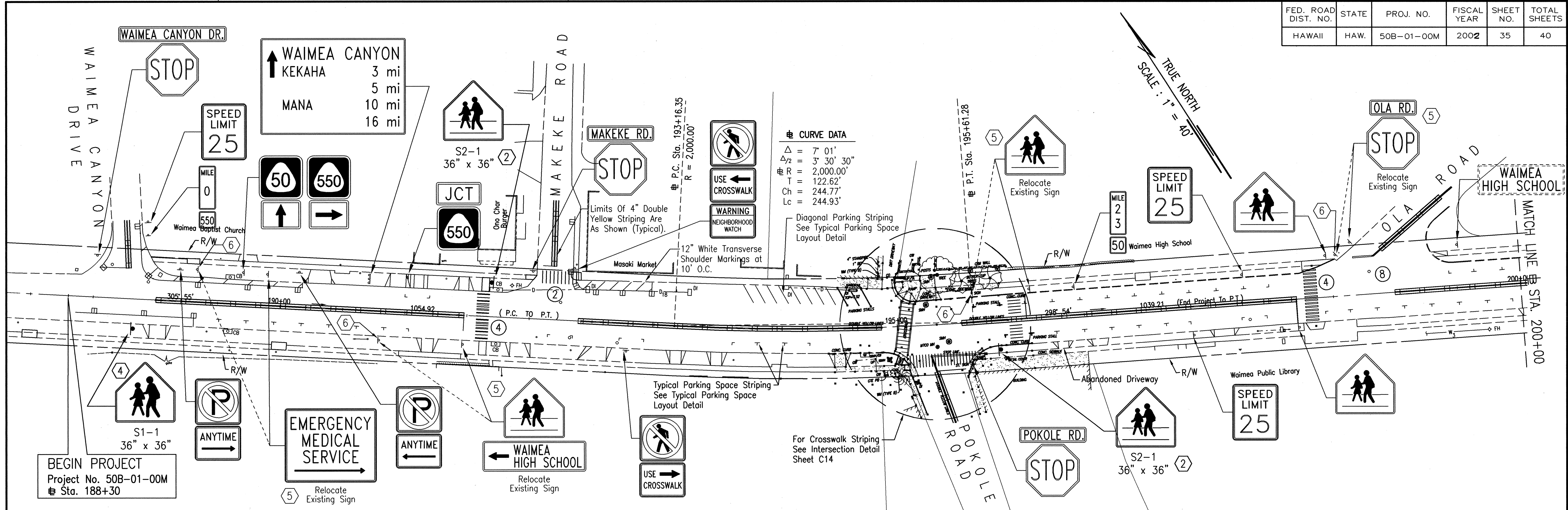
**SIGNING & PAVEMENT MARKING NOTES AND LEGEND**

**KAUMUALII HIGHWAY RESURFACING**  
Mahaikona Bridge To Waimea Canyon Drive  
Project No. 50B-01-00M

Scale: As Noted Date: 12/13/00

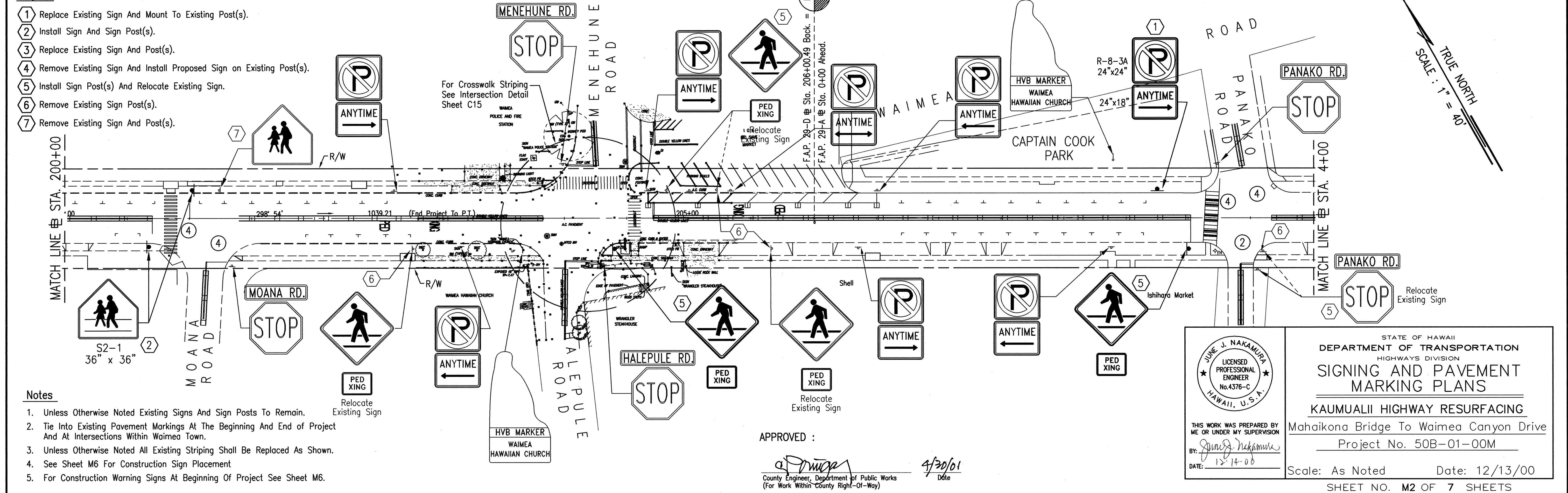
SHEET NO. M1 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	35	40



**Legend**

- 1 Replace Existing Sign And Mount To Existing Post(s).
- 2 Install Sign And Sign Post(s).
- 3 Replace Existing Sign And Post(s).
- 4 Remove Existing Sign And Install Proposed Sign on Existing Post(s).
- 5 Install Sign Post(s) And Relocate Existing Sign.
- 6 Remove Existing Sign Post(s).
- 7 Remove Existing Sign And Post(s).



**Notes**

- 1. Unless Otherwise Noted Existing Signs And Sign Posts To Remain.
- 2. Tie Into Existing Pavement Markings At The Beginning And End of Project And At Intersections Within Waimea Town.
- 3. Unless Otherwise Noted All Existing Striping Shall Be Replaced As Shown.
- 4. See Sheet M6 For Construction Sign Placement
- 5. For Construction Warning Signs At Beginning Of Project See Sheet M6.

APPROVED :  
  
 County Engineer, Department of Public Works  
 (For Work Within County Right-Of-Way)

LICENSED PROFESSIONAL ENGINEER  
 No. 4376-C  
 HAWAII, U.S.A.

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**SIGNING AND PAVEMENT MARKING PLANS**  
 KAUMUALII HIGHWAY RESURFACING  
 Mahaikona Bridge To Waimea Canyon Drive  
 Project No. 50B-01-00M  
 Scale: As Noted Date: 12/13/00  
 SHEET NO. M2 OF 7 SHEETS

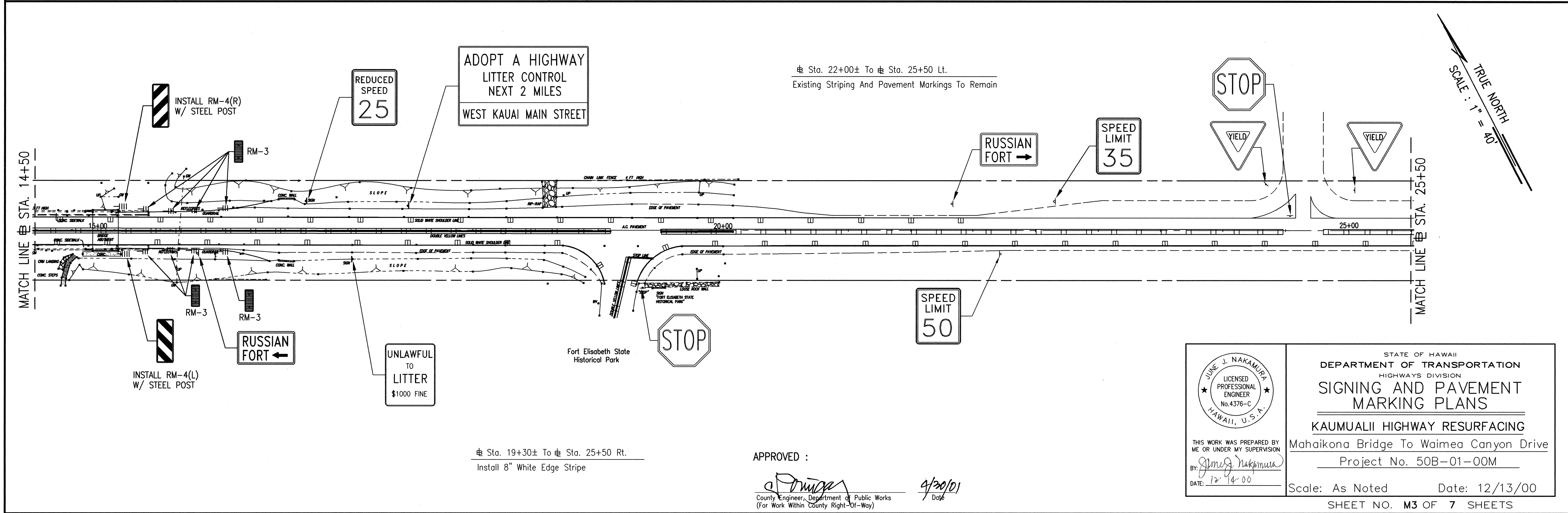
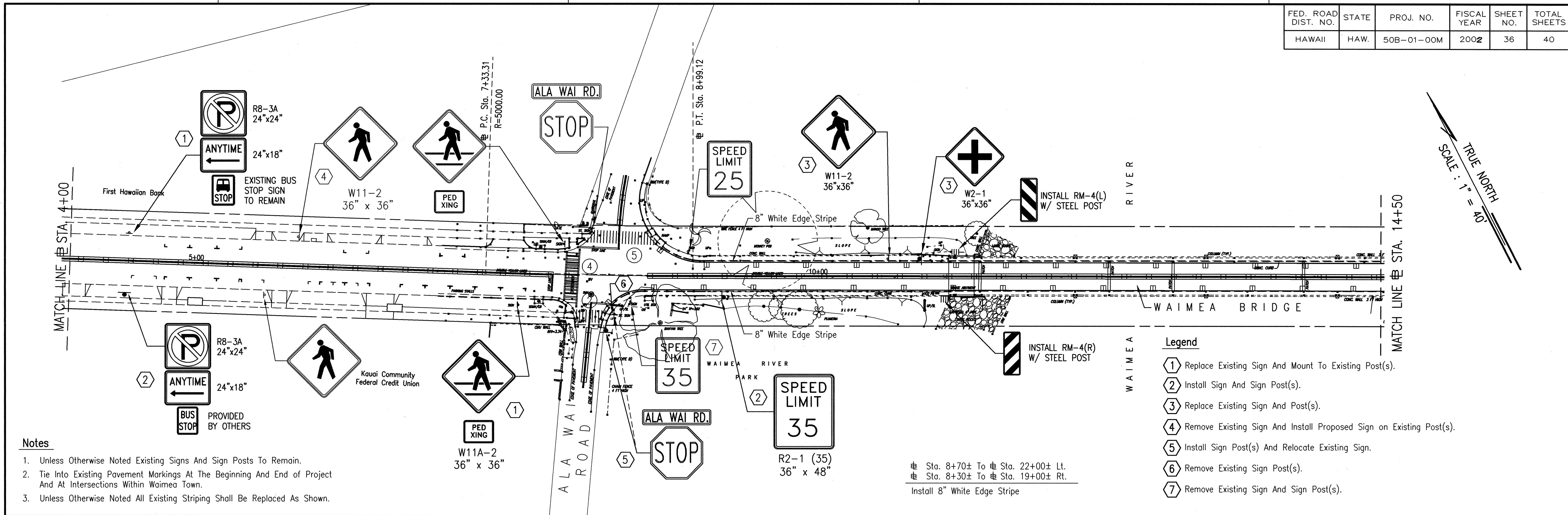
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 PLOT SCALE : 1" = 1'  
 FILE : 9930-M2.DWG  
 JOB NO. : 9930

PM : GKC  
 OPER : PT\*, LSA  
 REVISED : 04/09/01

SURVEY PLOTTED BY :  
 DRAWN BY :  
 DESIGNED BY :  
 CHECKED BY :

ORIGINAL PLAN :  
 NOTEBOOK :  
 No. :

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	36	40



PM : GKC  
OPER : PT\*, LSA  
REVISED : 01/22/01

DATE : 06/27/00  
PLOT SCALE : 1" = 100'  
FILE : 9930-M3.DWG  
JOB NO. : 9930

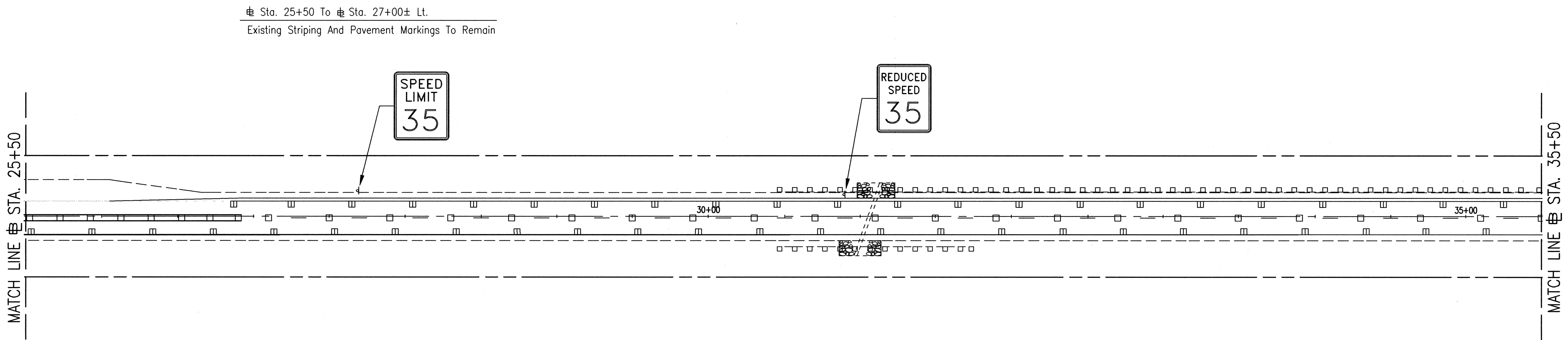
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	No.
NOTEBOOK	

APPROVED :  
*[Signature]*  
County Engineer, Department of Public Works  
(For Work Within County Right-Of-Way)  
DATE: 12/14/00

JUNE J. NAKAMURA  
LICENSED PROFESSIONAL ENGINEER  
No. 4376-C  
HAWAII, U.S.A.  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION  
BY: *[Signature]*  
DATE: 12/14/00

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING AND PAVEMENT MARKING PLANS**  
KAUMUALII HIGHWAY RESURFACING  
Mahaikona Bridge To Waimea Canyon Drive  
Project No. 50B-01-00M  
Scale: As Noted Date: 12/13/00  
SHEET NO. M3 OF 7 SHEETS

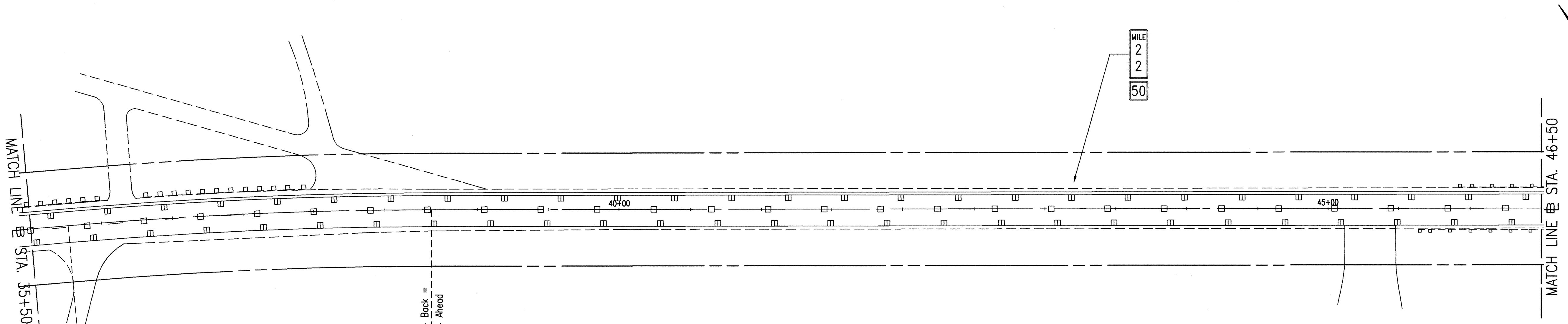
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	37	40



TRUE NORTH  
SCALE: 1" = 40'

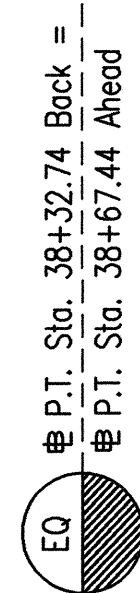
Sta. 25+50± To Sta. 27+00± Rt.  
Install 8" White Edge Stripe

- Notes**
1. Unless Otherwise Noted Existing Signs And Sign Posts To Remain.
  2. Tie Into Existing Pavement Markings At The Beginning And End of Project And At Intersections Within Waimea Town.
  3. Unless Otherwise Noted All Existing Striping Shall Be Replaced As Shown.



TRUE NORTH  
SCALE: 1" = 40'

Sta. 27+00± To Sta. 46+50 Lt. And Rt.  
Install 4" White Edge Stripe



R = 3000.00  
P.C. Sta. = 35+76.61

PM : GKC  
OPER : PT\* LSA  
REVISED : 12/14/00

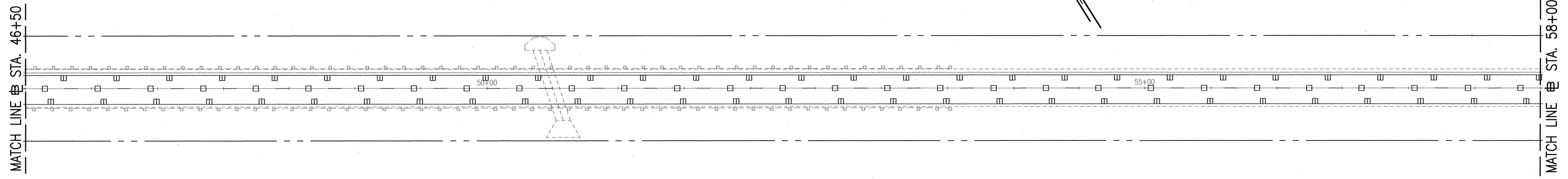
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PLOT SCALE : 1" = 1'  
FILE : 9950-M4.DWG  
JOB NO. : 9950

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN NOTEBOOK No.	

	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION <b>SIGNING AND PAVEMENT MARKING PLANS</b> KAUMUALII HIGHWAY RESURFACING Mahaikona Bridge To Waimea Canyon Drive Project No. 50B-01-00M
	THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION BY: <i>June J. Nakamura</i> DATE: 12-14-00 Scale: As Noted      Date: 12/13/00 SHEET NO. M4 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	38	40

TRUE NORTH  
SCALE: 1" = 40'

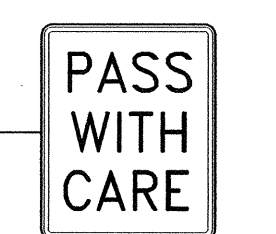
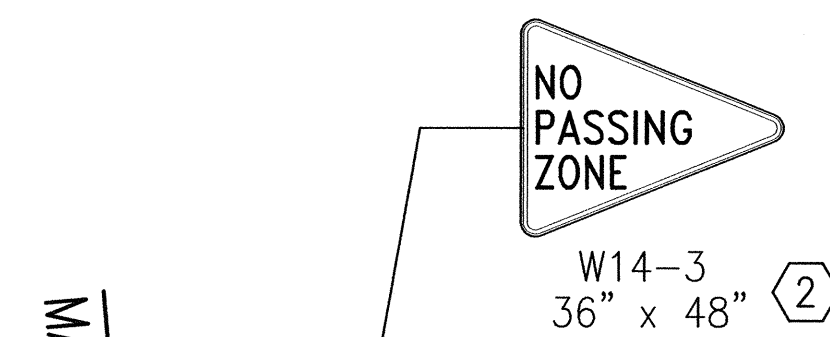


**Notes**

1. Unless Otherwise Noted Existing Signs And Sign Posts To Remain.
2. Tie Into Existing Pavement Markings At The Beginning And End of Project And At Intersections Within Waimea Town.
3. Unless Otherwise Noted All Existing Striping Shall Be Replaced As Shown.

**Legend**

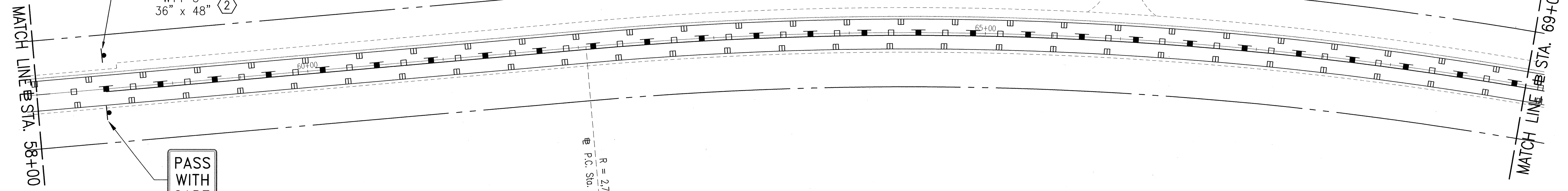
② Install Sign And Sign Post(s).



R4-2  
36" x 48" ②  
Sta. 46+50 To Sta. 68+20± Lt. And Rt.  
Install 4" White Edge Stripe  
Sta. 68+20± To Sta. 69+00 Lt. And Rt.  
Install 8" White Edge Stripe

R = 2700.00'  
P.C. Sta. 62+03.64

TRUE NORTH  
SCALE: 1" = 40'



PM : GKC  
OPER : PT/LSA\*  
REVISED : 12/14/00

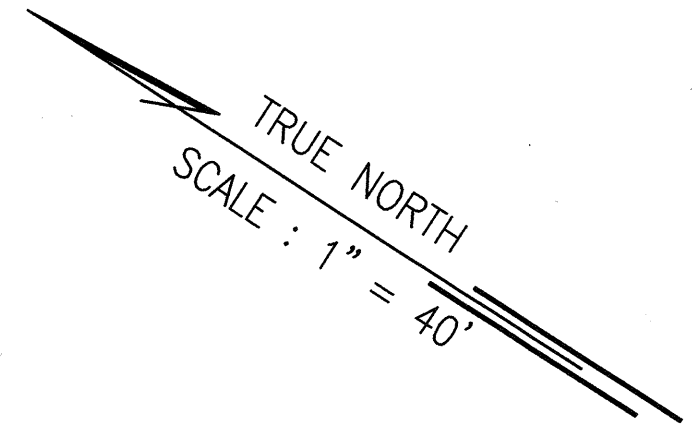
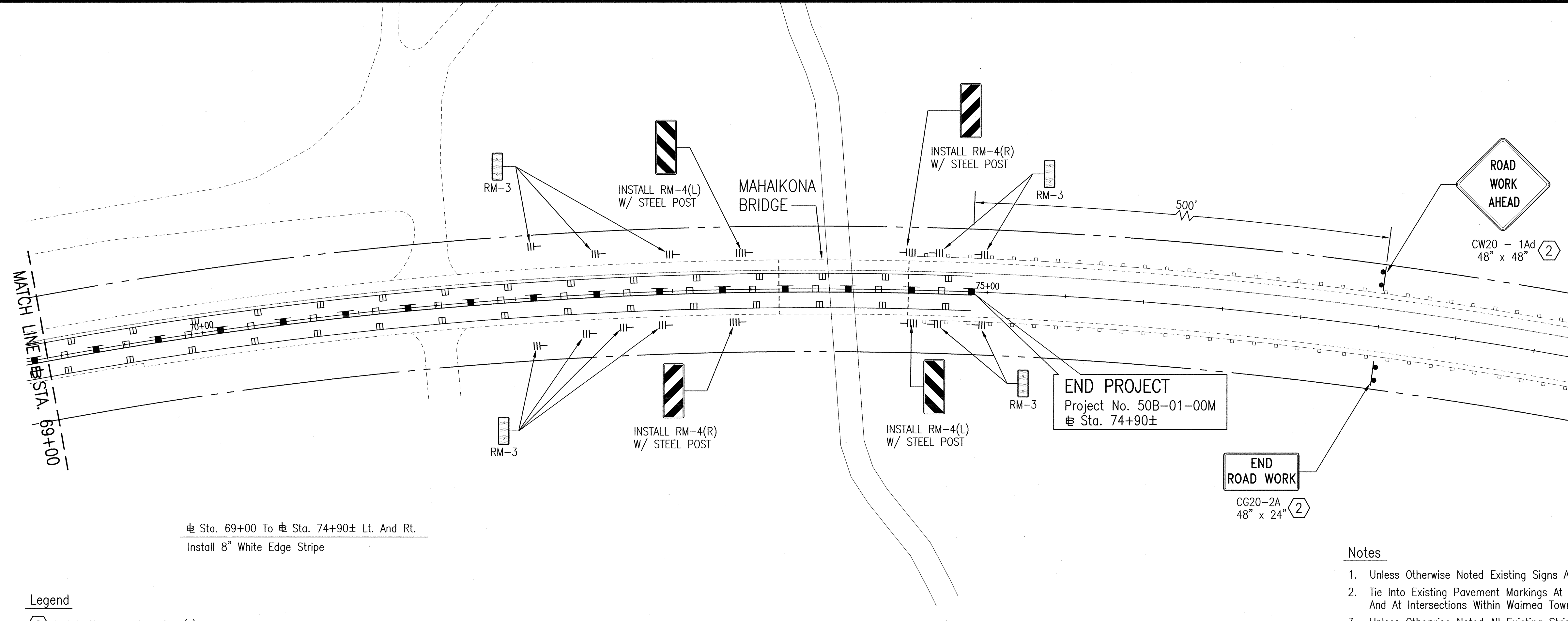
DATE : 06/27/00  
PLOT SCALE : 1" = 1'  
FILE : 9930-M5.DWG  
JOB NO. : 9930

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NO. OF SHEETS	
CHECKED BY	
No.	

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING AND PAVEMENT MARKING PLANS**  
KAUMUALII HIGHWAY RESURFACING  
Mahaikona Bridge To Waimea Canyon Drive  
Project No. 50B-01-00M  
Scale: As Noted Date: 12/13/00  
SHEET NO. M5 OF 7 SHEETS

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**SIGNING AND PAVEMENT MARKING PLANS**  
KAUMUALII HIGHWAY RESURFACING  
Mahaikona Bridge To Waimea Canyon Drive  
Project No. 50B-01-00M  
Scale: As Noted Date: 12/13/00  
SHEET NO. M5 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-00M	2002	39	40



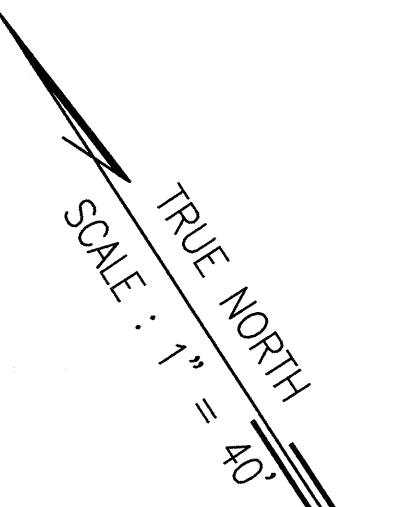
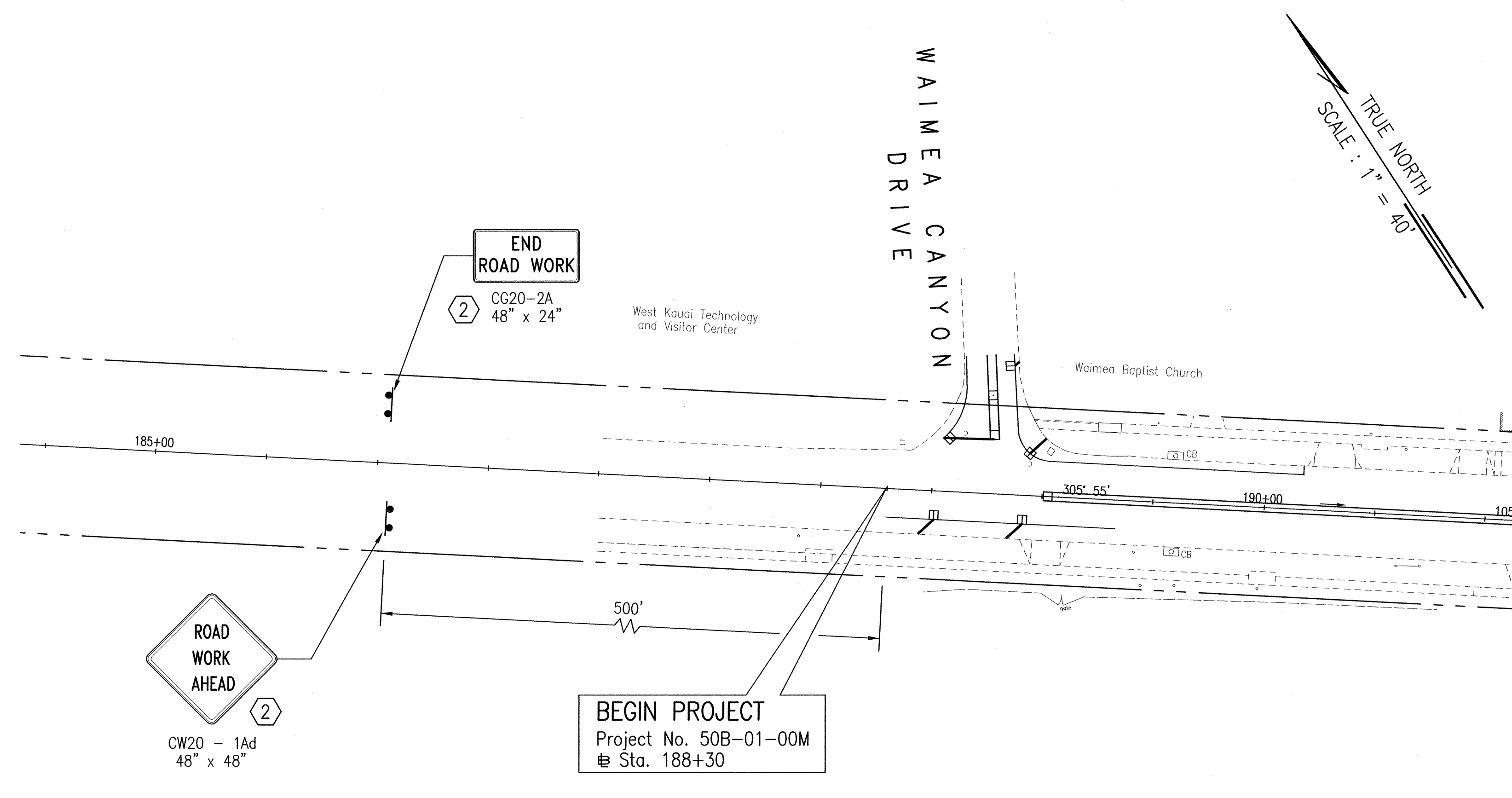
- Notes**
1. Unless Otherwise Noted Existing Signs And Sign Posts To Remain.
  2. Tie Into Existing Pavement Markings At The Beginning And End of Project And At Intersections Within Waimea Town.
  3. Unless Otherwise Noted All Existing Striping Shall Be Replaced As Shown.

**Legend**  
 (2) Install Sign And Sign Post(s).

PM : GKC  
 OPER : PT\*, LSA  
 REVISED : 12/14/00

DATE : 06/27/00  
 PLOT SCALE : 1" = 1'  
 FILE : 9930-M2-M6.DWG  
 JOB NO. : 9930

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



JUNE J. NAKAMURA  
 LICENSED PROFESSIONAL ENGINEER  
 No. 4376-C  
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

BY: *June J. Nakamura*  
 DATE: 12-14-00

STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKING PLANS

KAUAMUALII HIGHWAY RESURFACING

Mahaikona Bridge To Waimea Canyon Drive  
 Project No. 50B-01-00M

Scale: As Noted      Date: 12/13/00

SHEET NO. M6 OF 7 SHEETS

