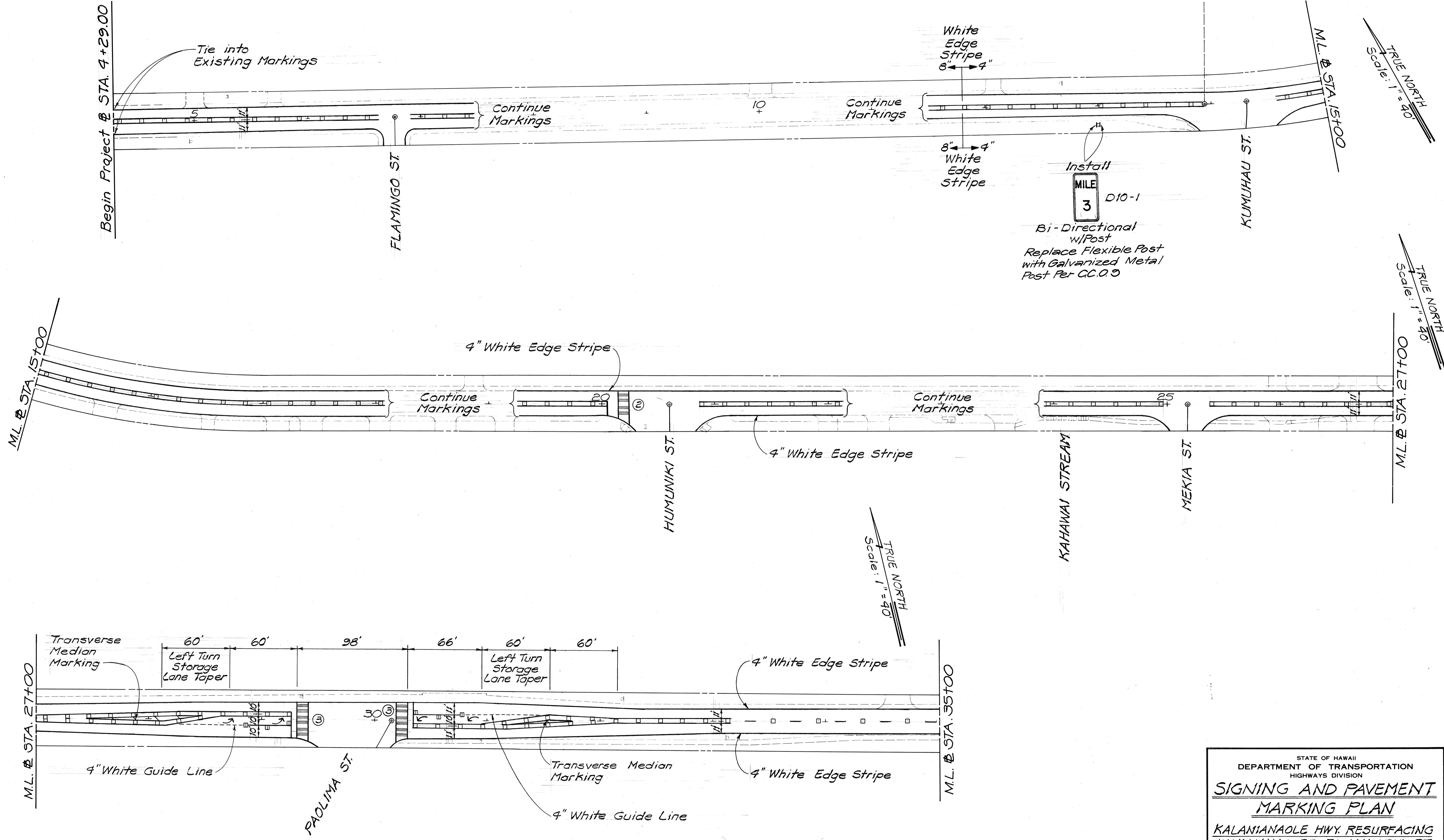


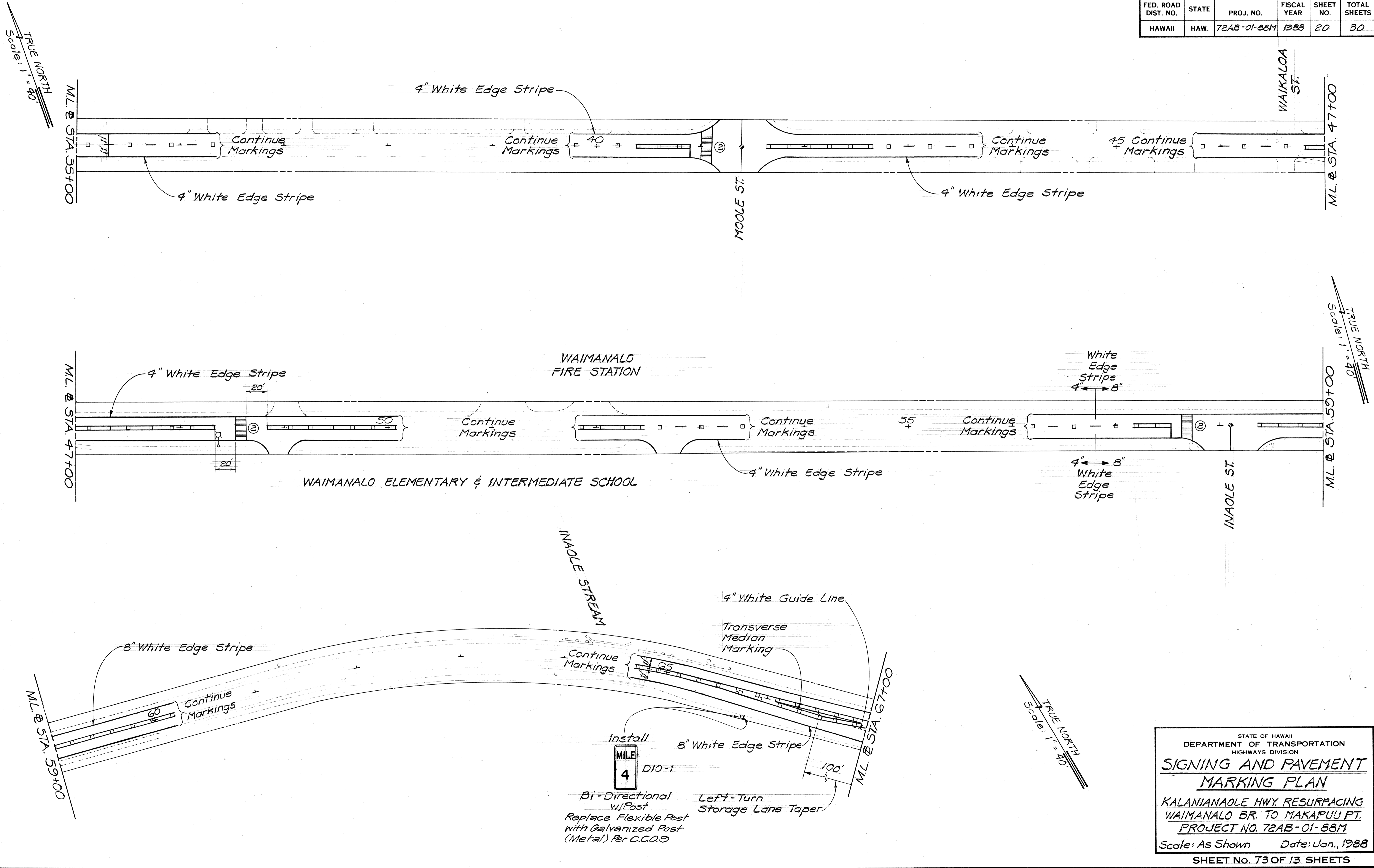
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	19	30



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING AND PAVEMENT MARKING PLAN
KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M
Scale: As Shown Date: Jan., 1988
SHEET NO. 72 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	20	30



TRUE NORTH
Scale: 1" = 40'

TRUE NORTH
Scale: 1" = 40'

TRUE NORTH
Scale: 1" = 40'

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

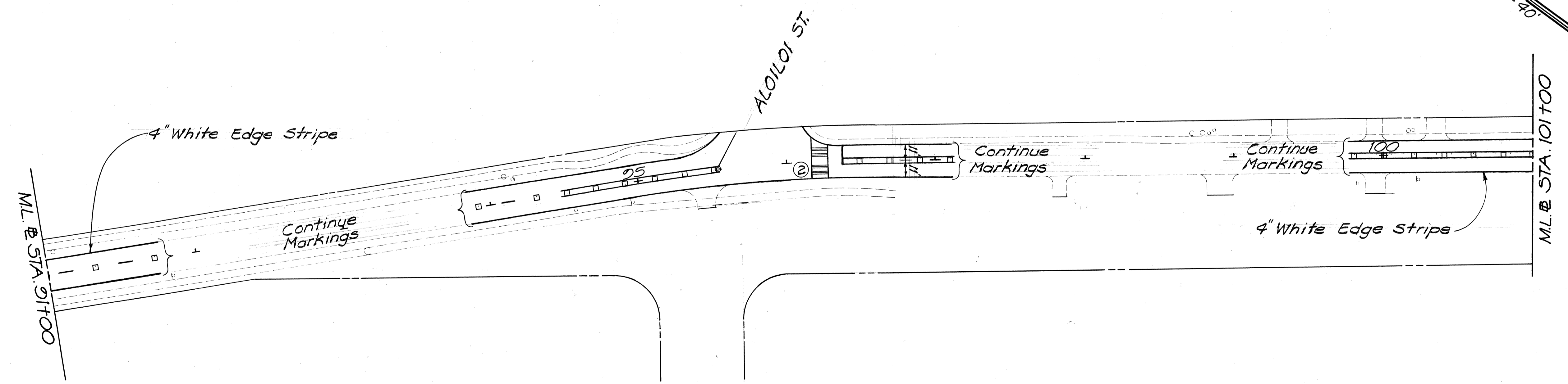
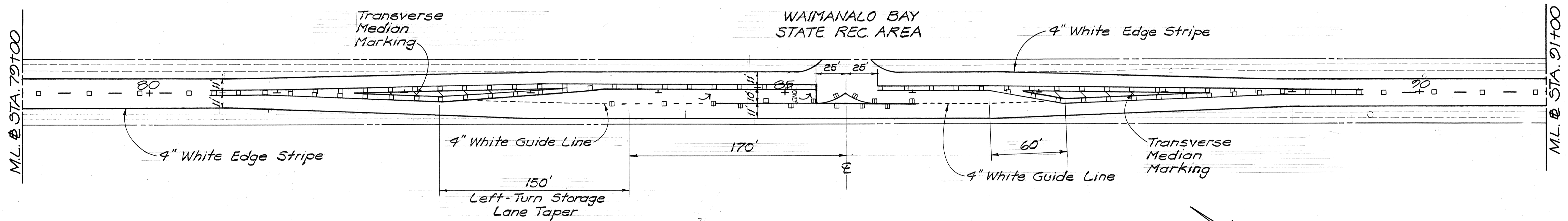
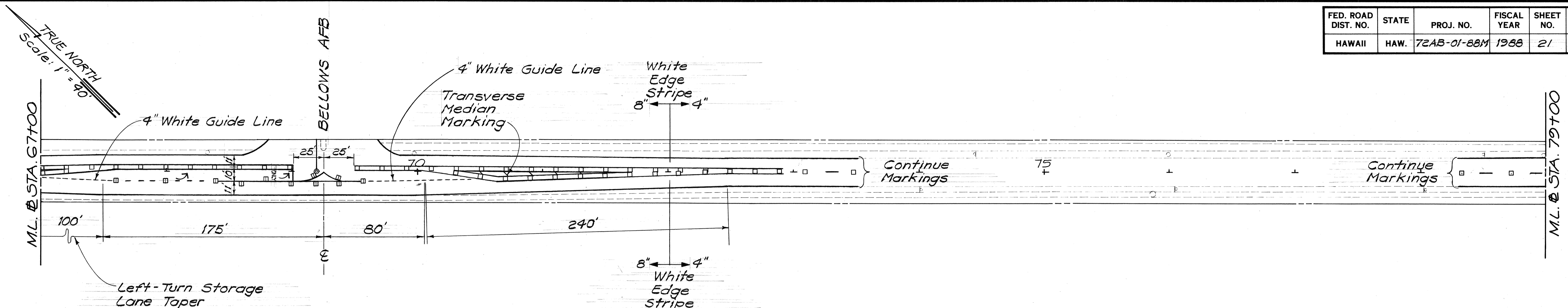
SIGNING AND PAVEMENT MARKING PLAN

KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M

Scale: As Shown Date: Jan., 1988

SHEET No. 73 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	21	30



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

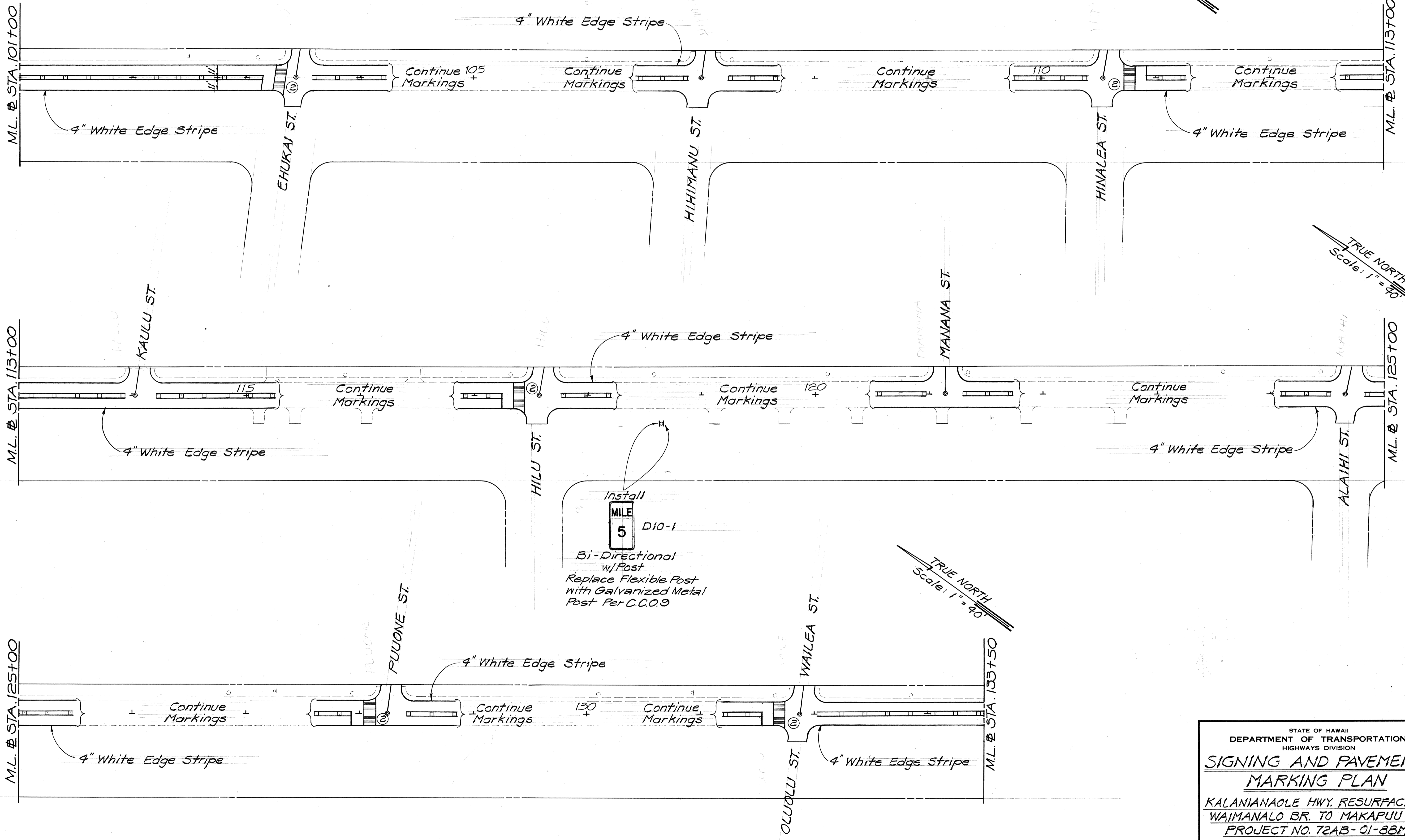
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING AND PAVEMENT MARKING PLAN
KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M
Scale: As Shown Date: Jan., 1988
SHEET No. 14 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	22	30

TRUE NORTH
Scale: 1" = 90'

TRUE NORTH
Scale: 1" = 90'

TRUE NORTH
Scale: 1" = 90'

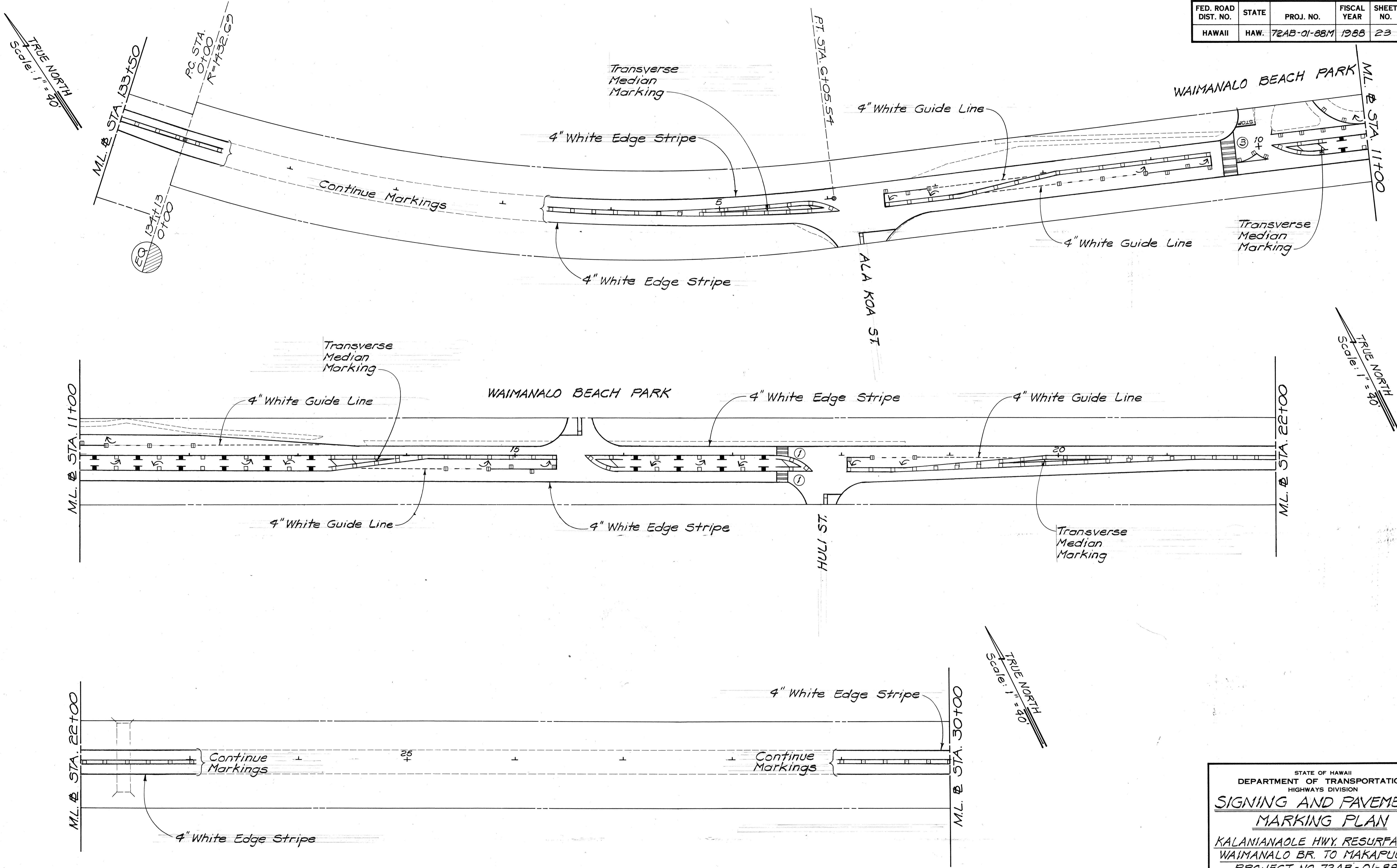


Install
MILE 5 D10-1
Bi-Directional w/Post
Replace Flexible Post with Galvanized Metal Post Per C.C.O. 9

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING AND PAVEMENT MARKING PLAN
KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M
Scale: As Shown Date: Jan., 1988
SHEET NO. 75 OF 13 SHEETS

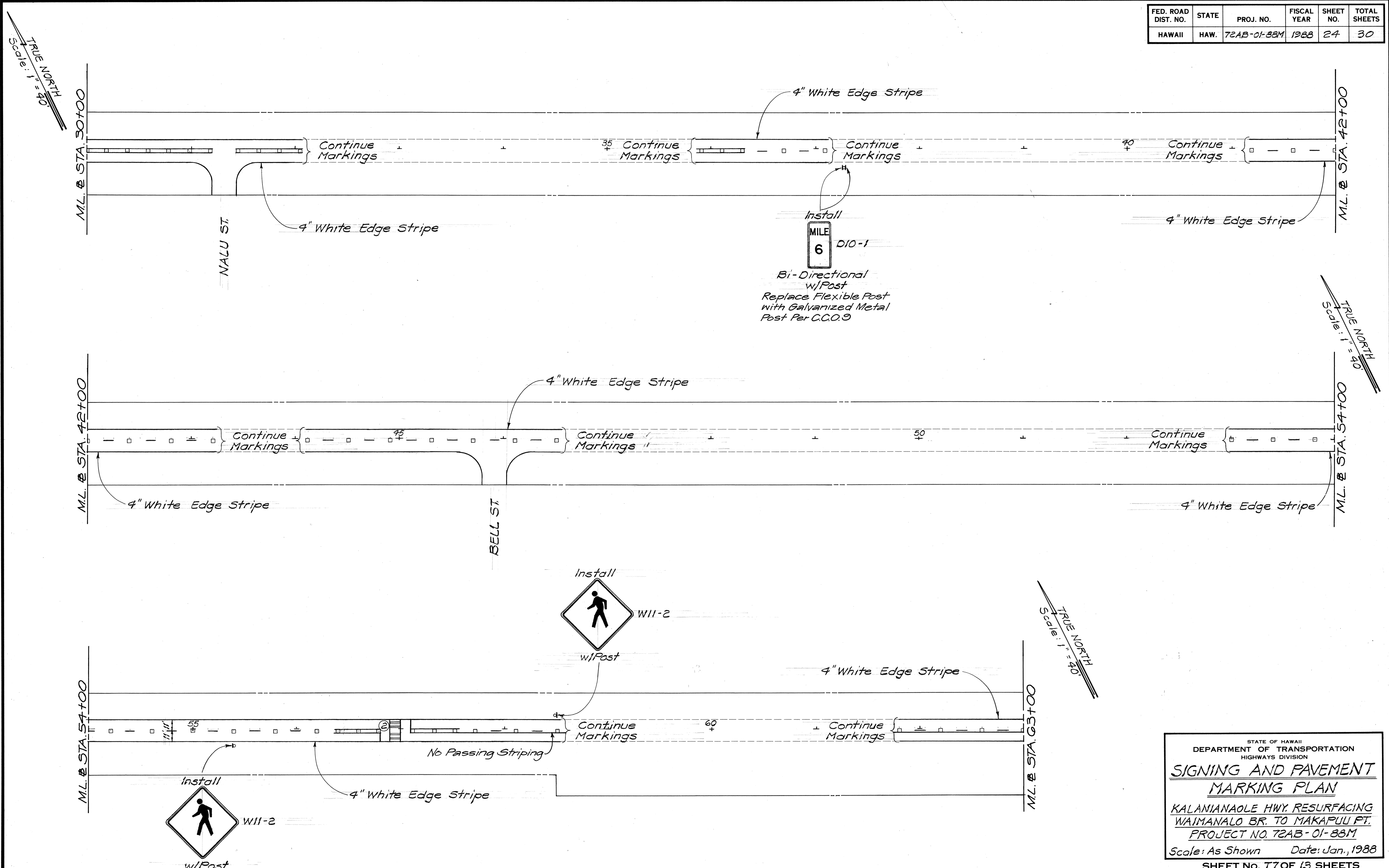
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	23	30



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING AND PAVEMENT
MARKING PLAN
KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M
Scale: As Shown Date: Jan., 1988
SHEET NO. 76 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	24	30



SURVEY PLOTTED BY	DATE
DRAWN BY	
CHECKED BY	
NOTE BOOK	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

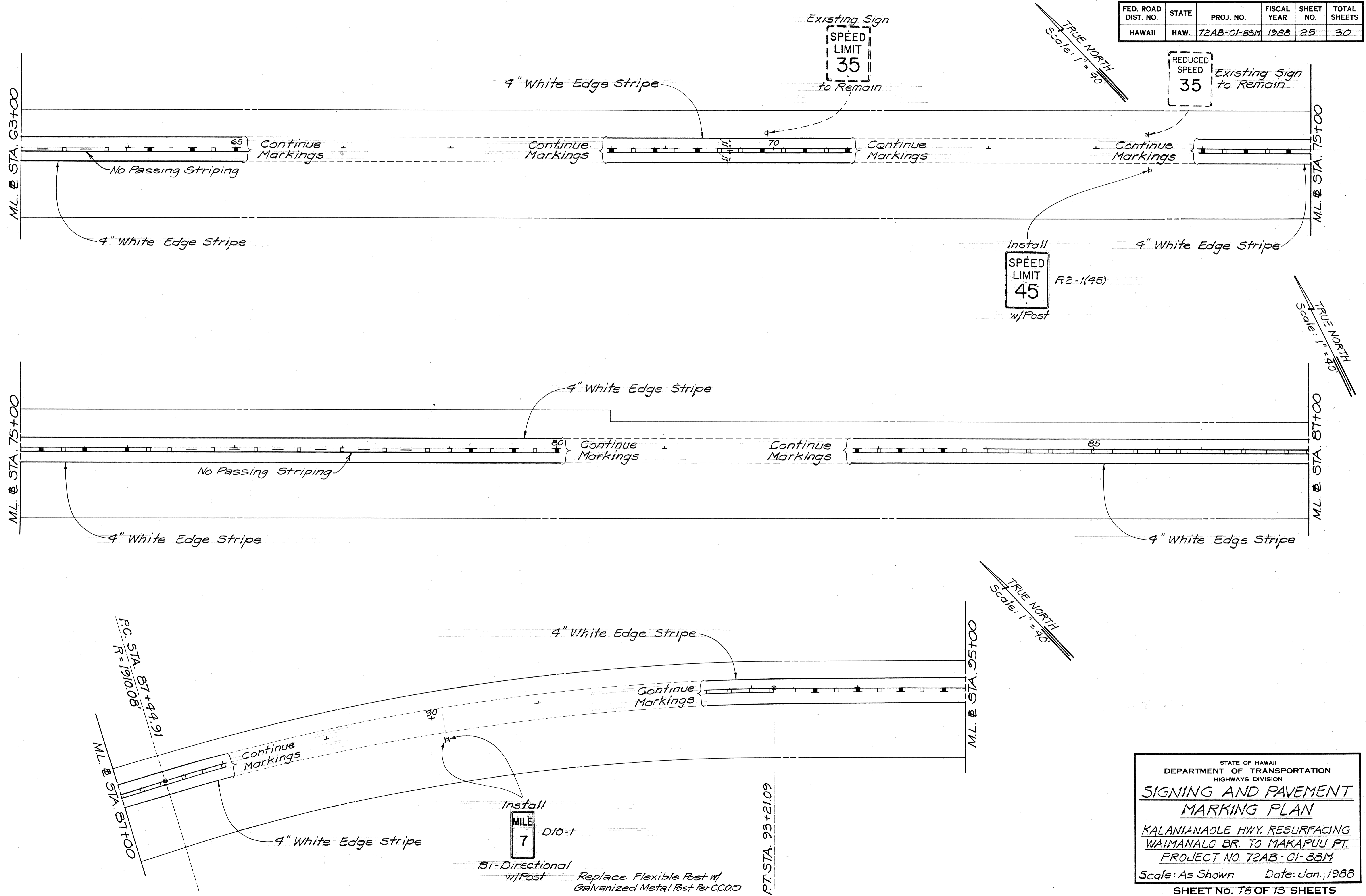
SIGNING AND PAVEMENT MARKING PLAN

KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M

Scale: As Shown Date: Jan., 1988

SHEET No. 17 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	25	30



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKING PLAN

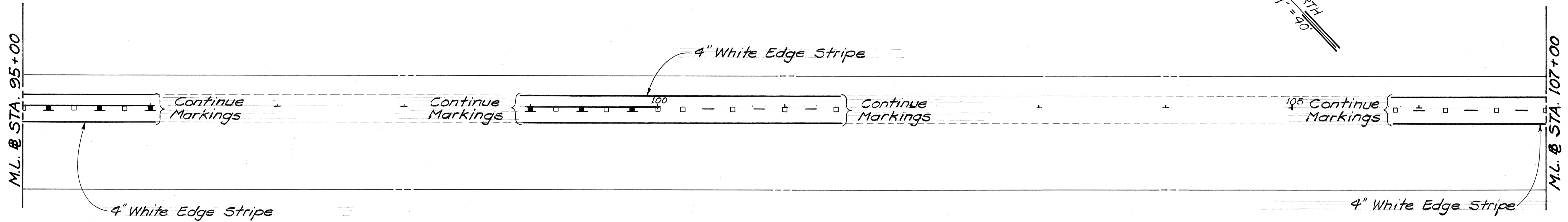
KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M

Scale: As Shown Date: Jan., 1988

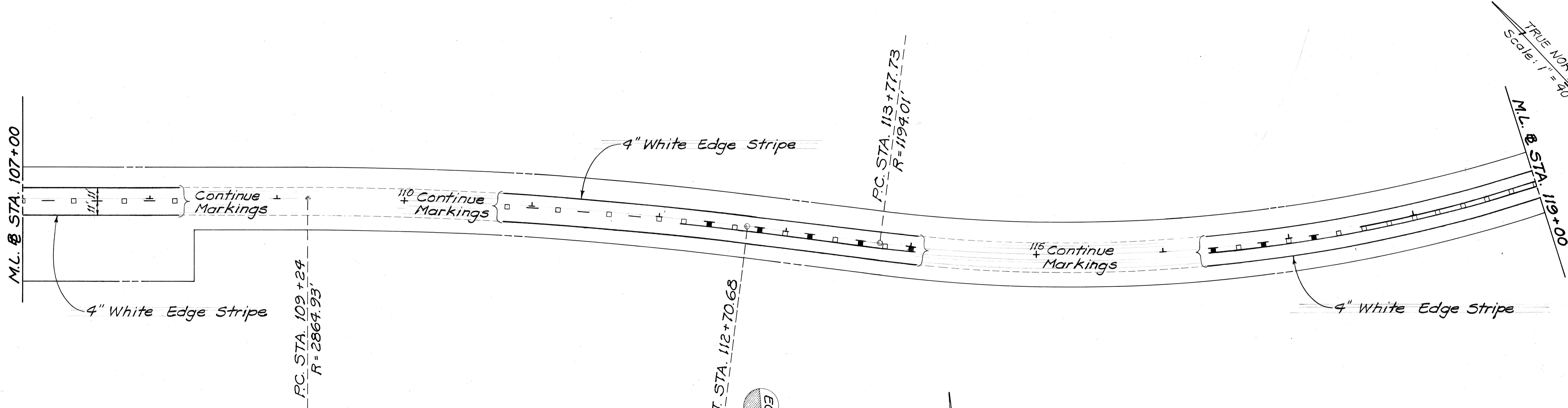
SHEET NO. 25 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	26	30

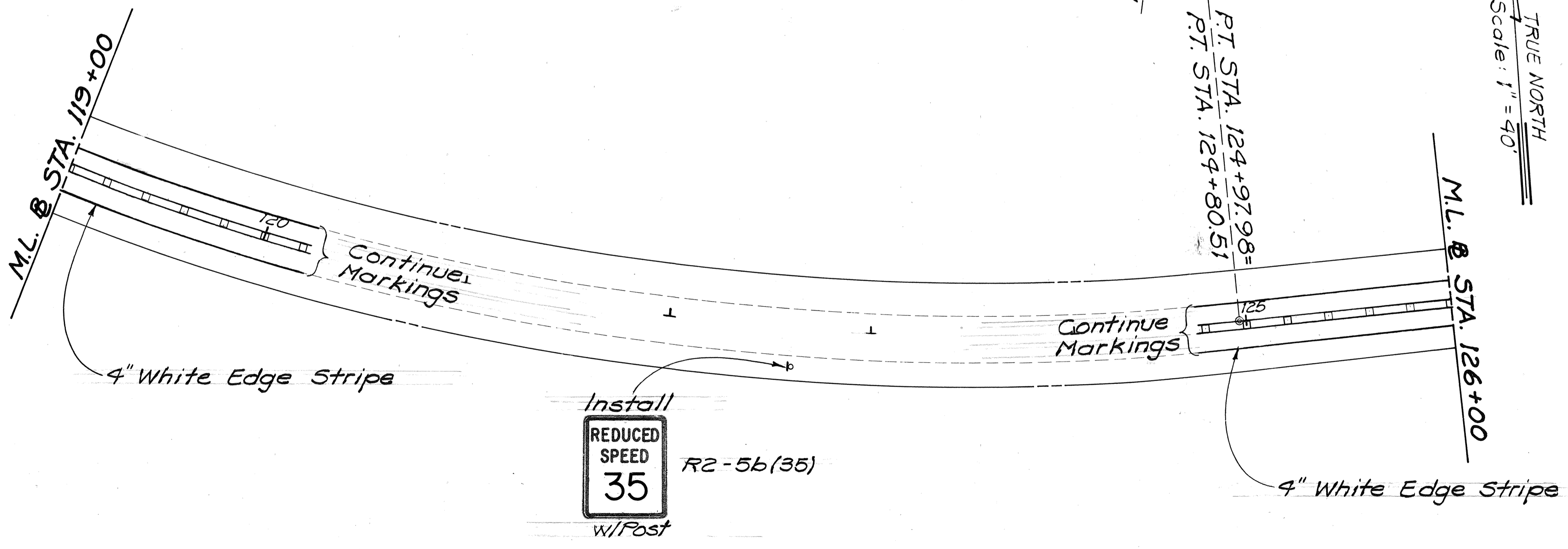
TRUE NORTH
Scale: 1" = 40'



TRUE NORTH
Scale: 1" = 40'



TRUE NORTH
Scale: 1" = 40'



DATE	_____
DESIGNED BY	_____
DRAWN BY	_____
CHECKED BY	_____
QUANTITIES BY	_____
NO.	_____

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKING PLAN

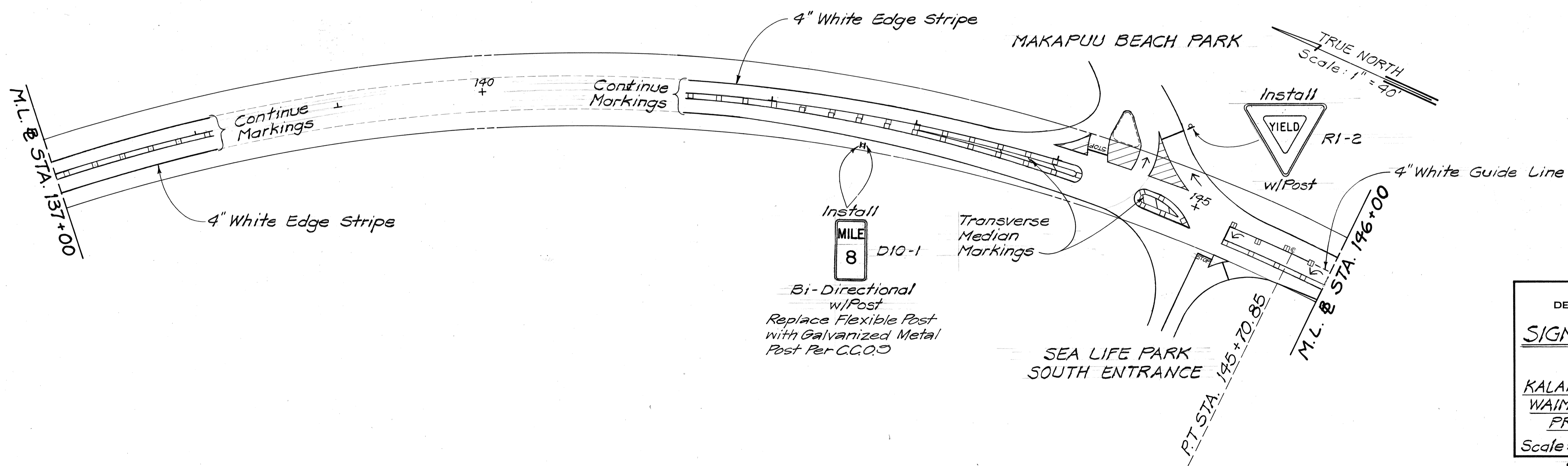
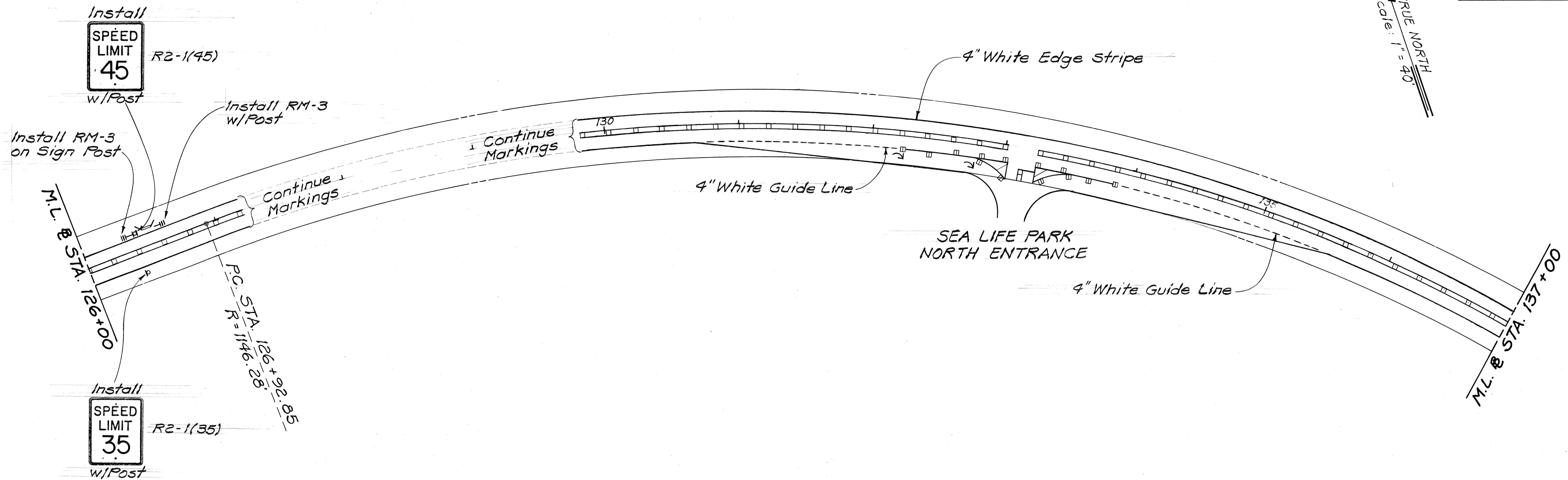
KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M

Scale: As Shown Date: Jan., 1988

SHEET NO. 26 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	27	30

TRUE NORTH
Scale: 1" = 40'



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SIGNING AND PAVEMENT
MARKING PLAN**

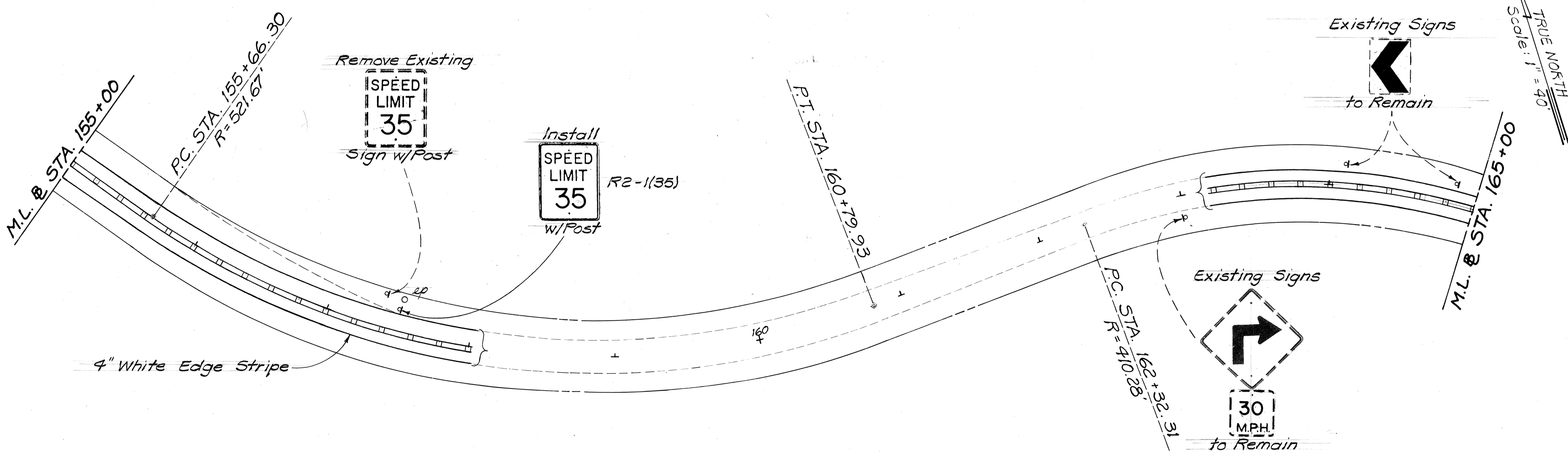
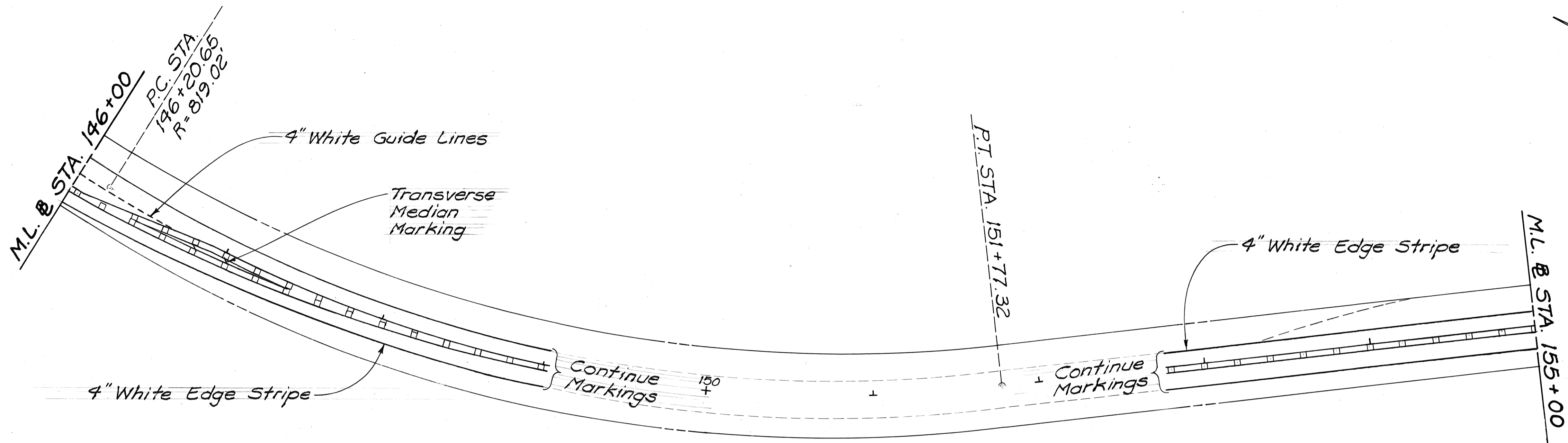
KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M

Scale: As Shown Date: Jan., 1988

SHEET NO. 110 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	28	30

TRUE NORTH
Scale: 1" = 40'



TRUE NORTH
Scale: 1" = 40'

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SIGNING AND PAVEMENT
MARKING PLAN**

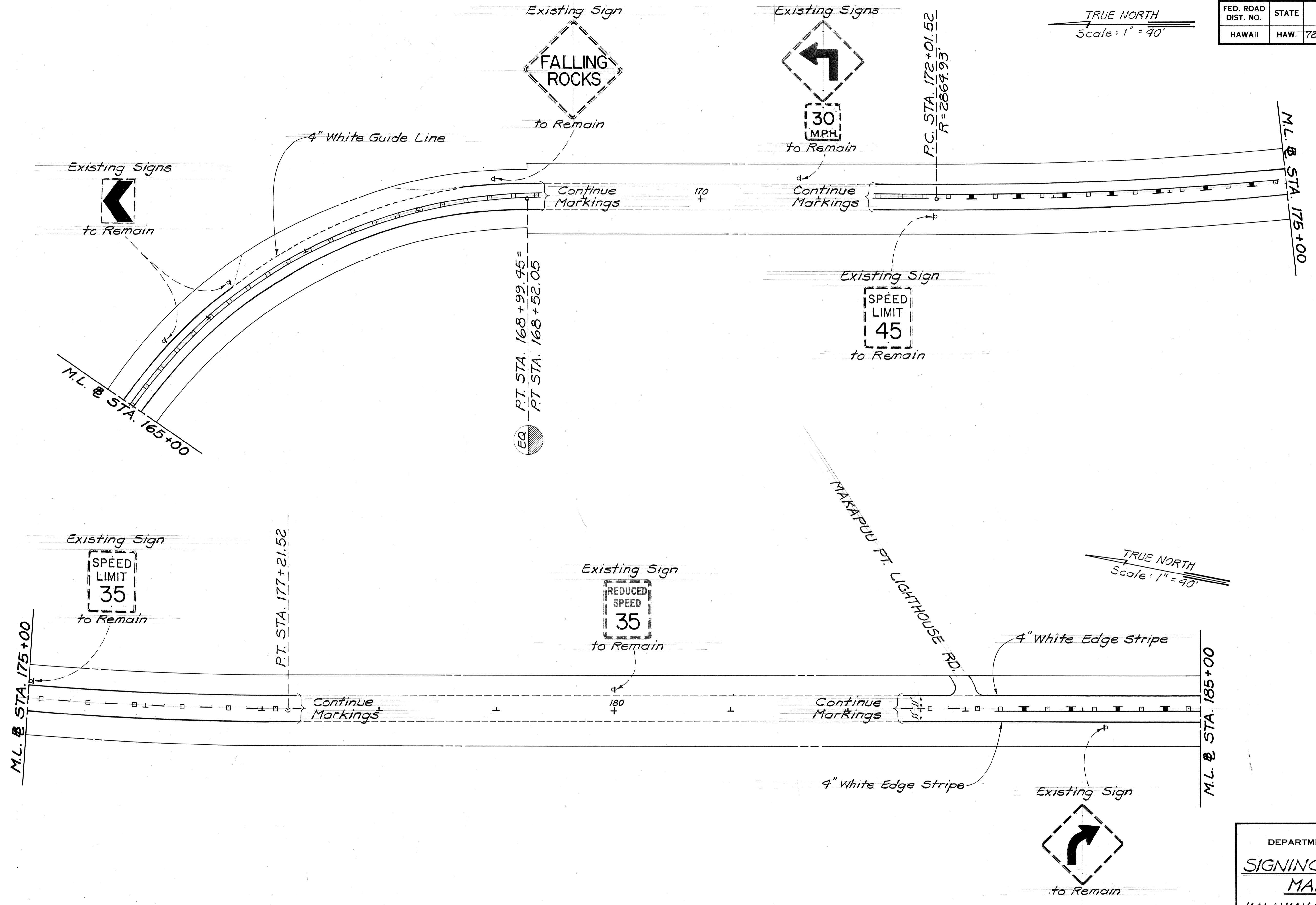
KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M

Scale: As Shown Date: Jan., 1988

SHEET NO. 711 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	29	30

TRUE NORTH
Scale: 1" = 90'



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGNING AND PAVEMENT MARKING PLAN

KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M

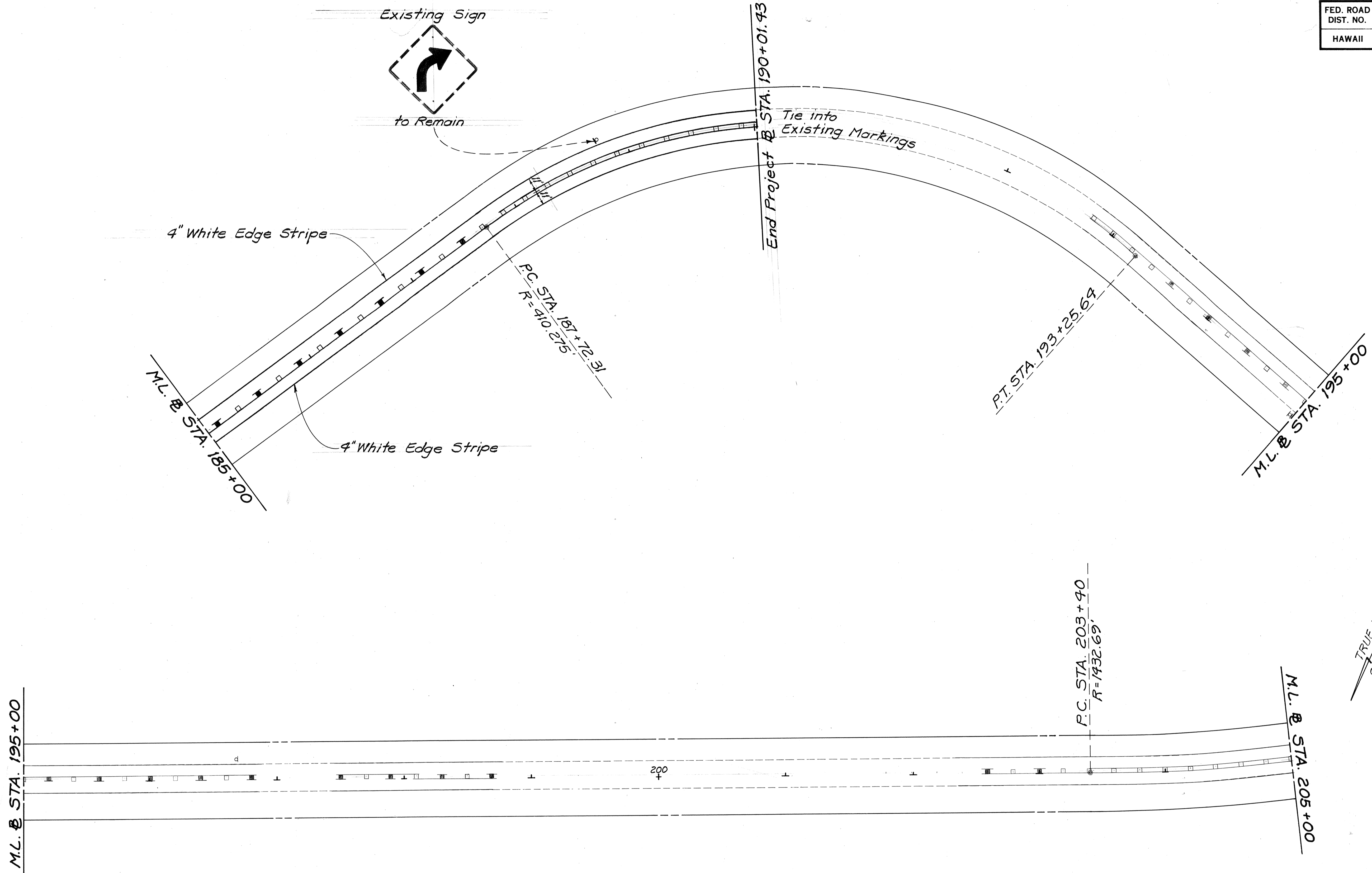
Scale: As Shown Date: Jan., 1988

SHEET NO. 712 OF 13 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72AB-01-88M	1988	30	30

TRUE NORTH
Scale: 1" = 40'

TRUE NORTH
Scale: 1" = 40'



DATE	____
DESIGNED BY	____
CHECKED BY	____
NO.	____

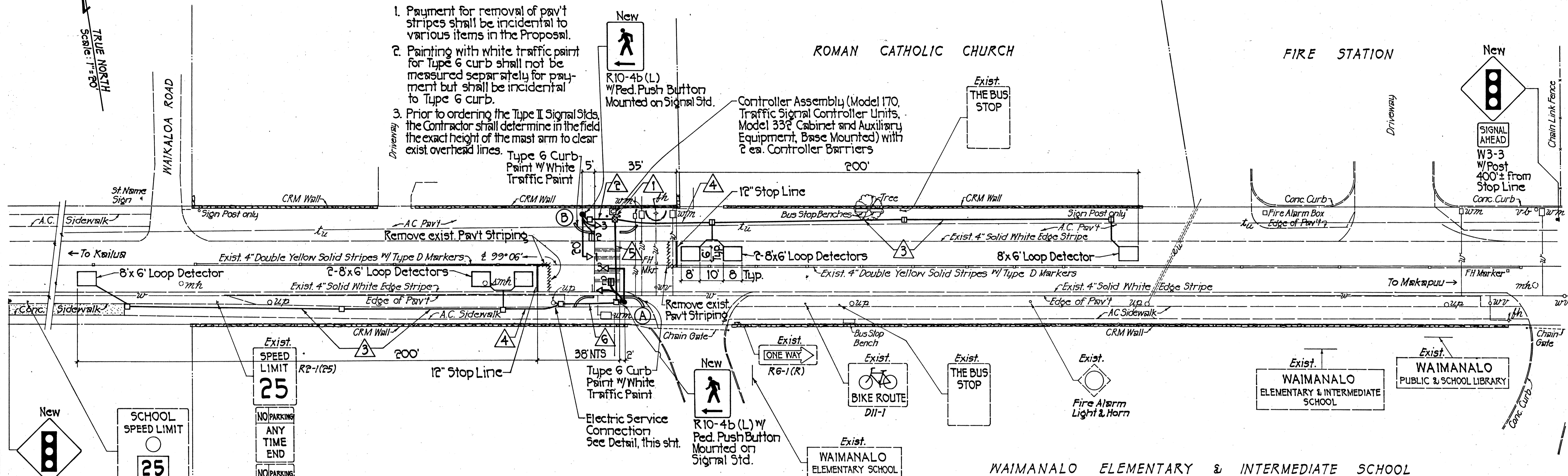
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**SIGNING AND PAVEMENT
MARKING PLAN**

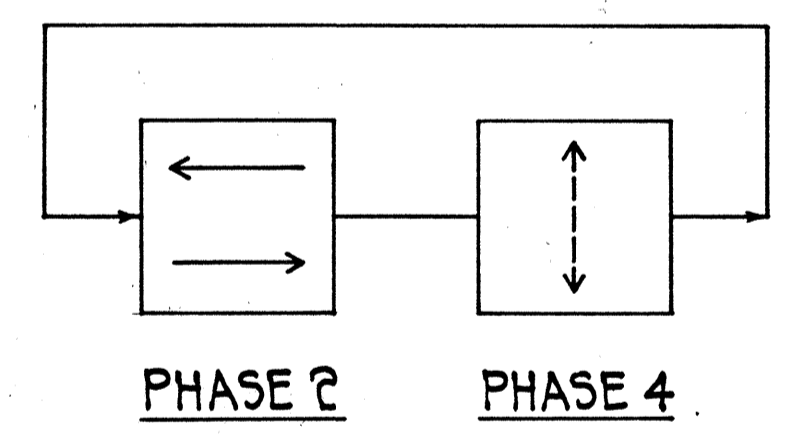
KALANIANA'OLE HWY. RESURFACING
WAIMANALO BR. TO MAKAPUU PT.
PROJECT NO. 72AB-01-88M
Scale: As Shown Date: Jan., 1988
SHEET No. 713 OF 13 SHEETS

NOTES:

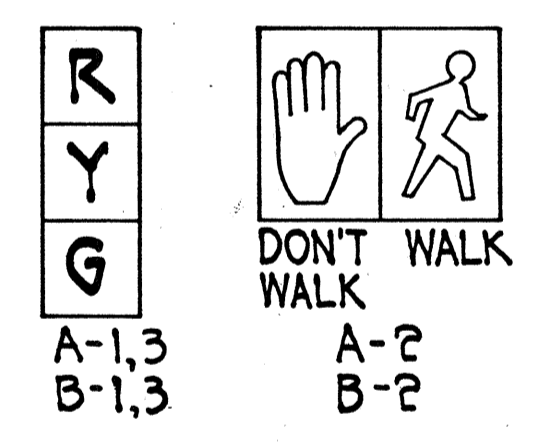
1. Payment for removal of pav't stripes shall be incidental to various items in the Proposal.
2. Painting with white traffic paint for Type 6 curb shall not be measured separately for payment but shall be incidental to Type 6 curb.
3. Prior to ordering the Type II Signal Stds, the Contractor shall determine in the field the exact height of the mast arm to clear exist overhead lines.



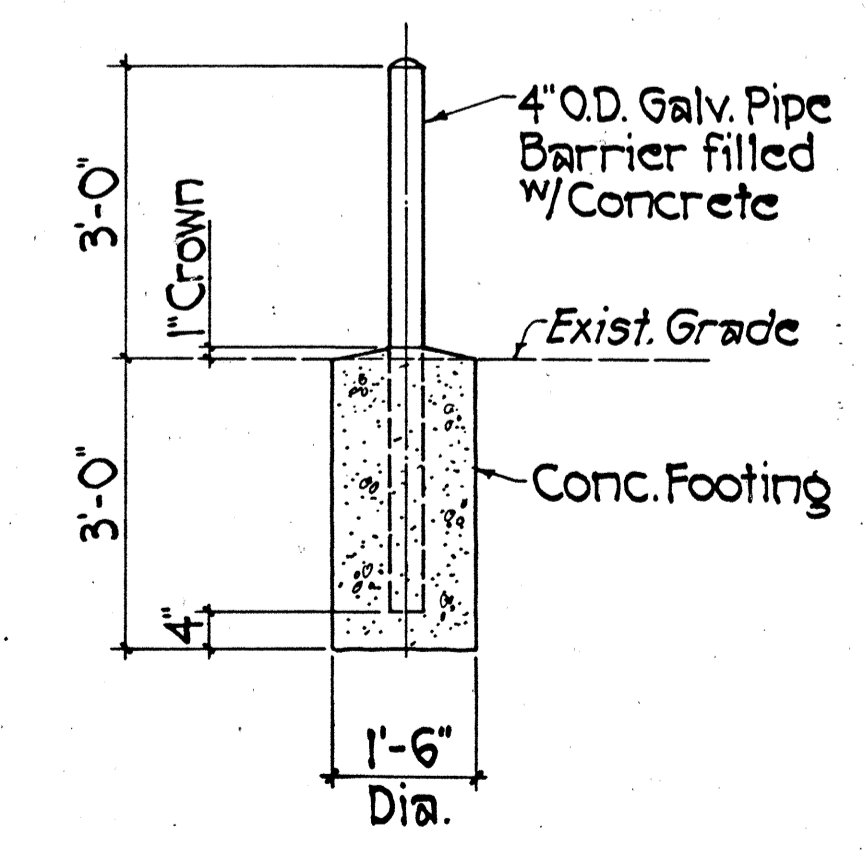
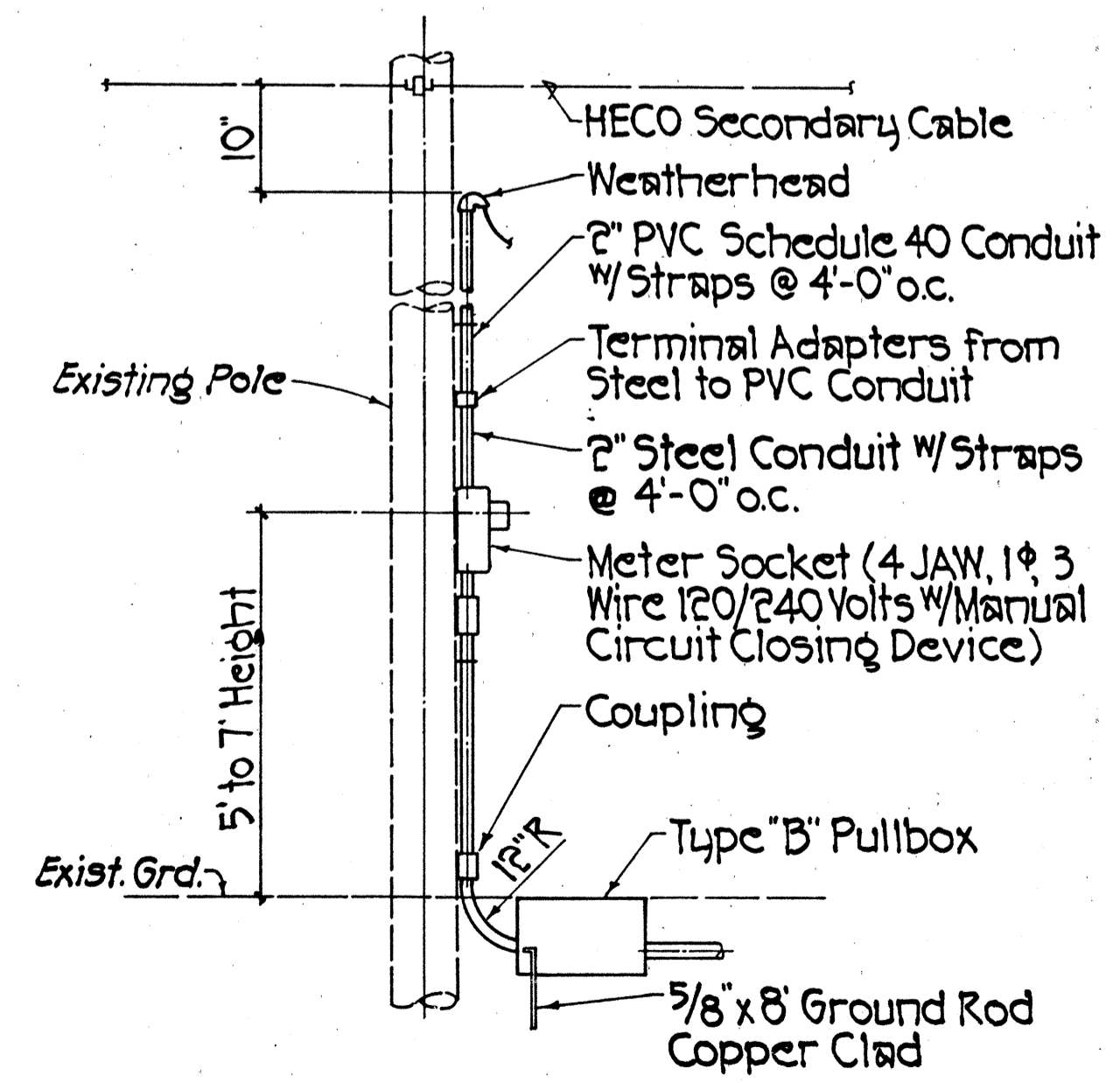
PLAN
Scale: 1"=20'



PHASE DIAGRAM



SIGNAL INDICATIONS



CONDUIT & CABLE SCHEDULE

	CONDUIT	CABLE
1	4-2" Sch. 80	2-26C*14, 5-2C*14, 1-3C*6
2	2-2" Sch. 80	1-26C*14, 1-2C*14
3	1-2" Sch. 80	1-2C*14
4	1-2" Sch. 80	2-2C*14
5	3-2" Sch. 80	1-26C*14, 3-2C*14, 1-3C*6
6	2-2" Sch. 80	1-3C*6, 2-2C*14

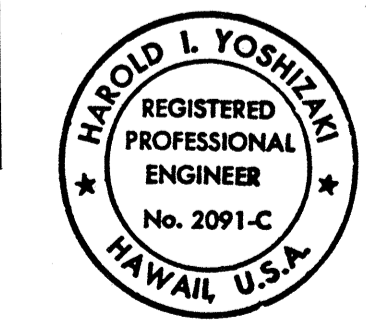
LEGEND

- Type "B" Pullbox w/ Modified Cover
- ⊠ Type "A" Pullbox (New)
- Type "B" Pullbox (New)

See Standard Plans Sht. TE-41 for Details

NOTE: INSTALLATION OF CONDUIT & PULL BOXES TO BE INSTALLED WITH THIS C.O.

Constructed Under Project 72AB-01-88M. Per C.C.O. 1



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Harold I. Yoshizaki

APPROVED: *R. Uegato* 15-16-88
CHIEF, PLANNING & ENGINEERING, BWS DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL, PAVEMENT STRIPING/ MARKING & SIGNING PLAN

KALANIANA'OLE HIGHWAY PEDESTRIAN TRAFFIC SIGNALS AT WAIMANALO ELEMENTARY & INTERMEDIATE SCHOOL

PROJECT NO. 72A-01-87
SCALE: AS NOTED DATE: MAY 1988
SHEET NO. 1 OF 1 SHEETS

DATE	
DESIGNED BY	
CHECKED BY	
QUANTITIES BY	
NOTED BY	
ORIGINAL PLAN	
DATE	