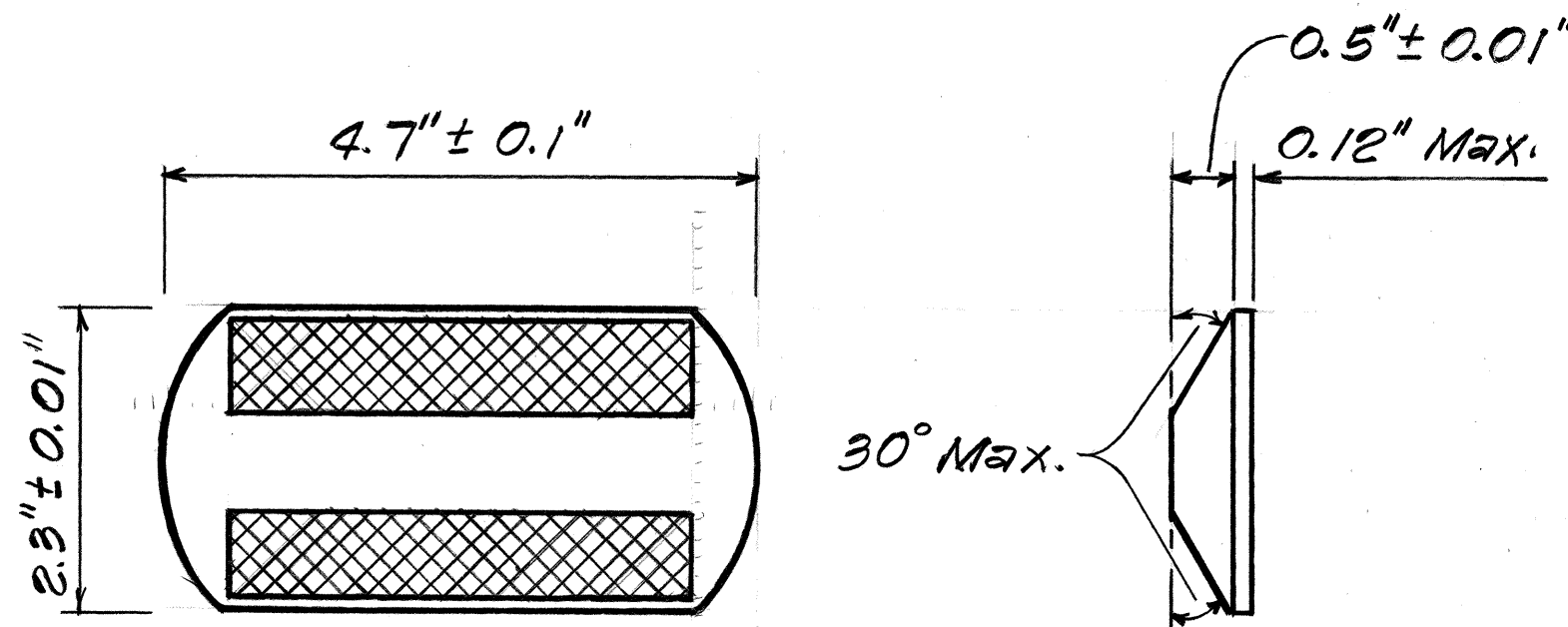


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-87	1987	12	20

NOTES

- Locations of all new Pavement Markings shall be staked out by the Contractor for approval by the Engineer prior to installation.
- 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 placed within crosswalks.
- 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 this sheet. All references to Type C, Type D and Type H Markers in the plans shall mean Type CL, Type DL and Type HL Markers.
- All pavement striping shall be tape-Type I or Thermoplastic extrusion unless otherwise noted.



TYPE CL
Red-Clear Reflective Marker
or
TYPE DL
Two-Way Yellow Reflective Marker
or
TYPE HL
One-Way Yellow Reflective Marker
Not to Scale

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 (Tape or Thermoplastic Extrusion)
w/Type CL Raised Pavement Markers @ 20'-0" o.c.
- 4" Double Solid Yellow Stripes (Tape or Thermoplastic Extrusion) w/Type DL Raised Pavement Markers @ 20'-0" o.c.
- 4" Double Solid Yellow Stripes (Tape or Thermoplastic Extrusion) w/Type HL Raised Pavement Markers @ 20'-0" o.c.
- 4" Yellow Edge Stripe (Tape-Type II or Thermoplastic Extrusion) w/Type HL Raised Pavement Markers @ 40'-0" o.c.
- ② Crosswalk and Stop Line (Tape or Thermoplastic Extrusion). All Stop Lines shall be 10'-0" from Crosswalk unless otherwise noted. The circled number indicates the number of lanes for payment.
- 4" Double Solid White Stripes (Tape or Thermoplastic Extrusion) w/Type CL Raised Pavement Markers @ 20'-0" o.c.
- Lane Change Restriction Marking (Tape or Thermoplastic Extrusion)
4 each Type A Raised Pavement Markers
Type CL Raised Pavement Markers @ 20'-0" o.c.
4" White Stripe
- 4" White Edge Stripe (Tape-Type II or Thermoplastic Extrusion)
- 4" Guide Lines (Tape or Thermoplastic Extrusion). Color as indicated on Plans. See Standard Plan TE 31.

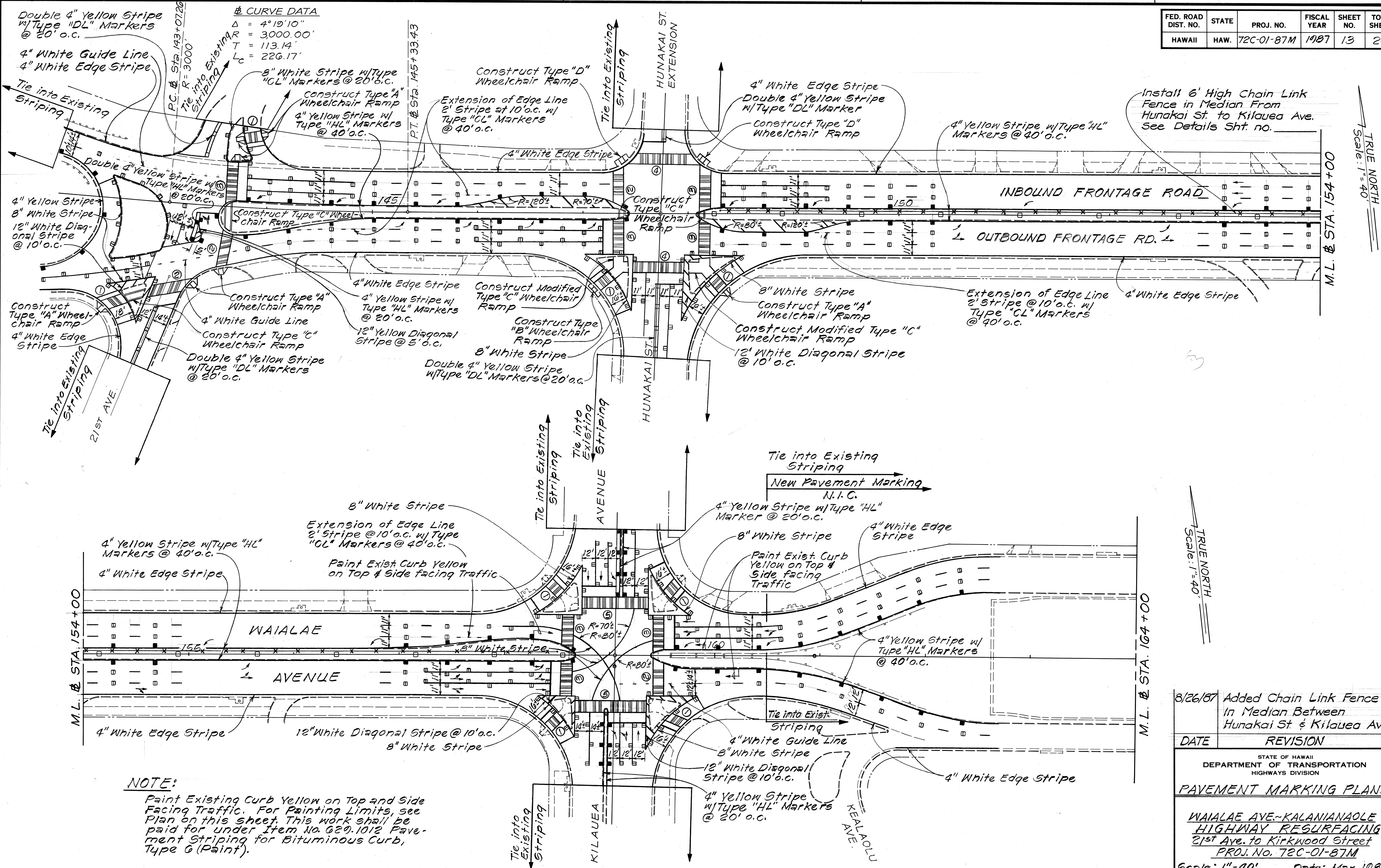
- Transverse Median Marking (Tape-Type II or Thermoplastic Extrusion). See Standard Plan TE 31.
- Channelizing Island (Tape-Type II or Thermoplastic Extrusion). See Standard Plan TE 31.
- Pavement Arrow (Tape or Thermoplastic Extrusion)
- STOP Pavement Word (Tape or Thermoplastic Extrusion)
- Rumble Strip (See Plan Sht. No. 20 for Details)
- Rumble Strip (See Plan Sht. No. 20 for Details)
- 4" White Stripe (Tape) approx. 6" Long New Socket for Portable Signs. (See Plan Sheet No. 20 for Details)
- Extension of Edge Line, 4" Wide x 2'-0" Long White Stripe (Tape - Type I or Thermoplastic Extrusion) @ 10'-0" O.C. w/Type CL Markers @ 40'-0" O.C.

5/27/87 Revised Note No. 5 and Legend.

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAVEMENT MARKING
LEGEND, NOTES & DETAILS
MAIALAE AVE. ~ KALANIANA'OLE
HIGHWAY RESURFACING
21st Ave. to Kirkwood Street
PROJ. No. 72C-01-87M
Scale: As Shown Date: Mar, 1987
SHEET No. 71 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-87M	1987	13	20

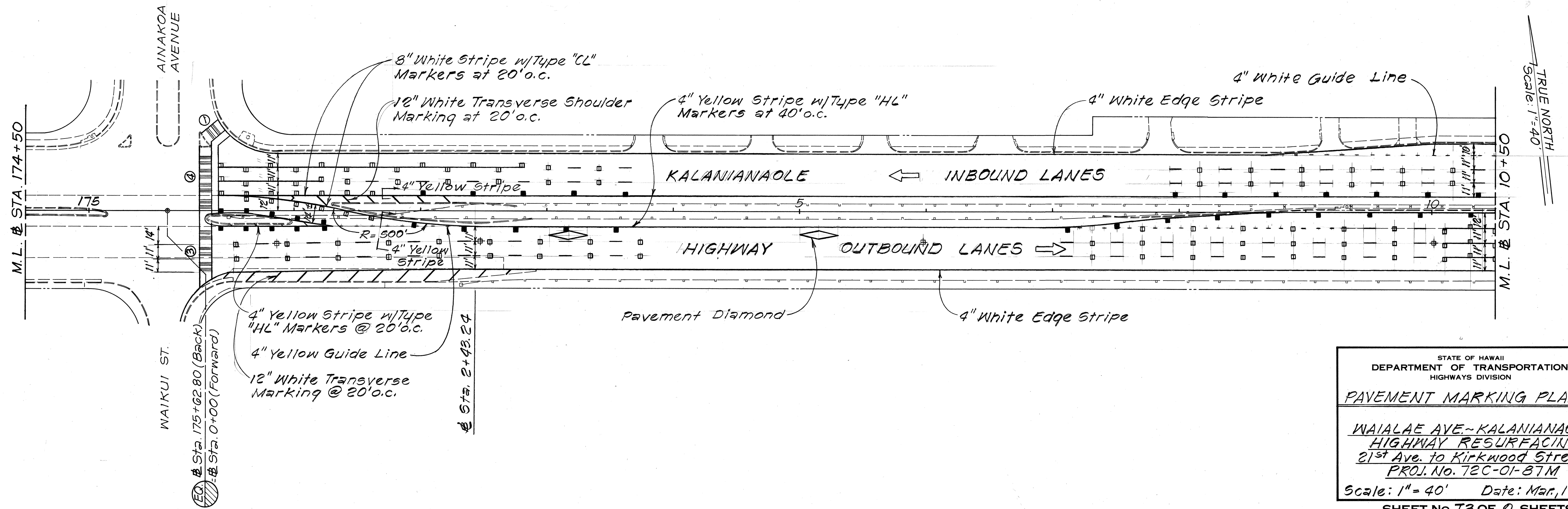
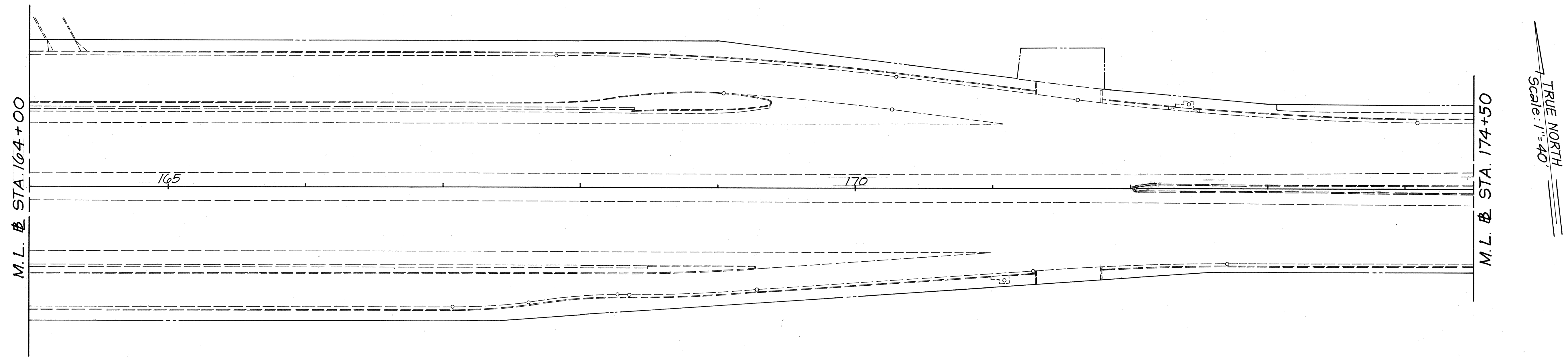


SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

NOTE:
Paint Existing Curb Yellow on Top and Side Facing Traffic. For Painting Limits, see Plan on this sheet. This work shall be paid for under Item No. 620.1012 Pavement Striping for Bituminous Curb, Type G (Paint).

8/26/87	Added Chain Link Fence In Median Between Hunakai St. & Kilauea Ave.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PAVEMENT MARKING PLANS	
WAI'ALAE AVE.-KALANIANA'OLE HIGHWAY RESURFACING 21st Ave. to Kirkwood Street PROJ. No. 72C-01-87M	
Scale: 1"=40'	Date: Mar, 1987
SHEET No. 72 OF 7 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-87M	1987	14	20



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

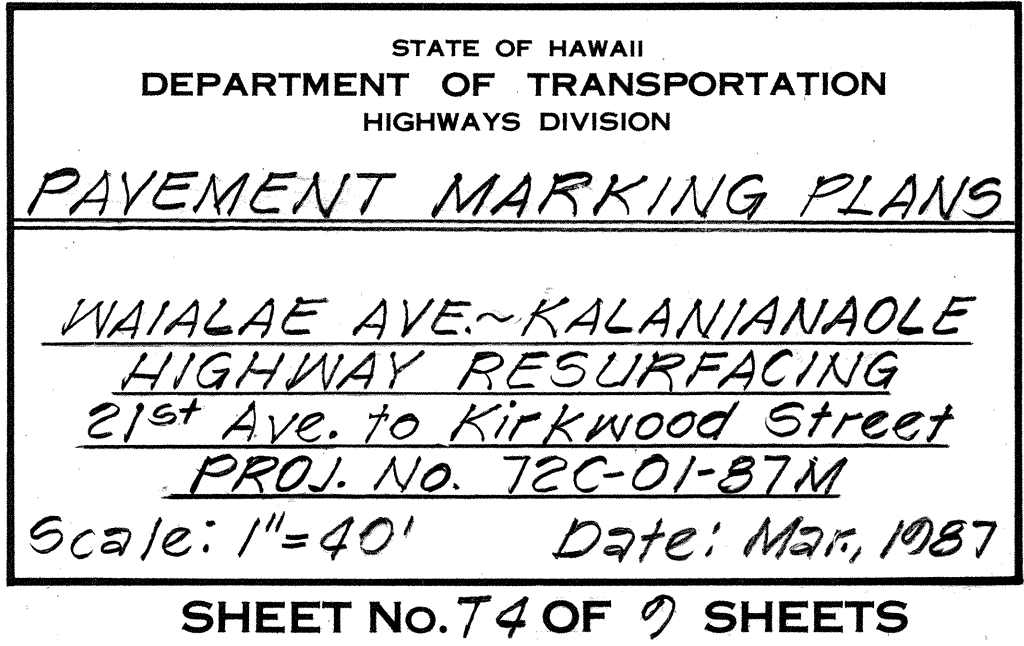
PAVEMENT MARKING PLANS

**WAIALAE AVE~KALANIANA'OLE
HIGHWAY RESURFACING
21st Ave. to Kirkwood Street
PROJ. No. 72C-01-87M**

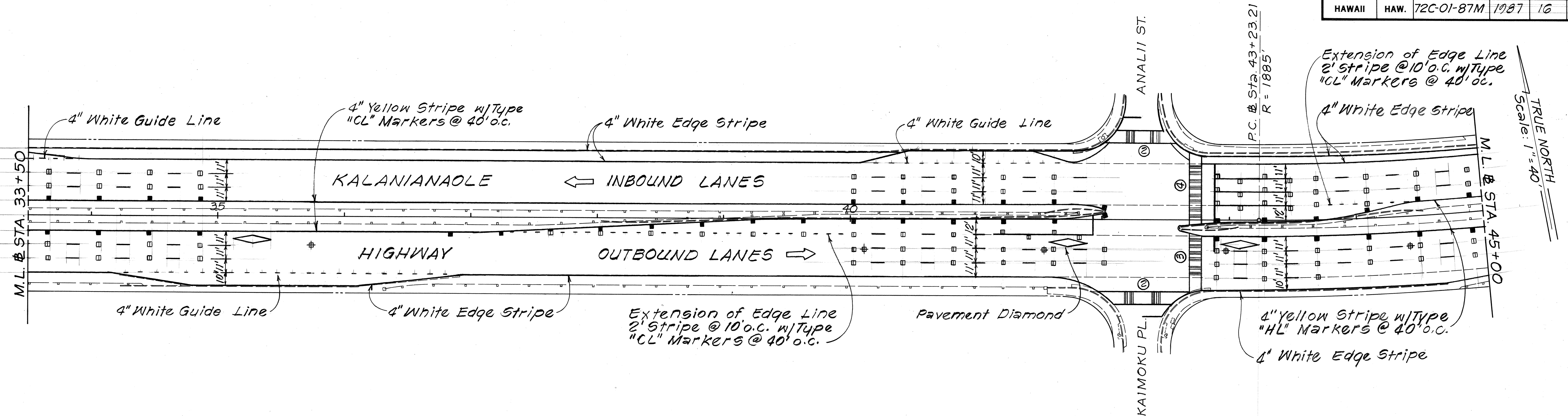
Scale: 1"=40' Date: Mar, 1987

SHEET No. 13 OF 17 SHEETS

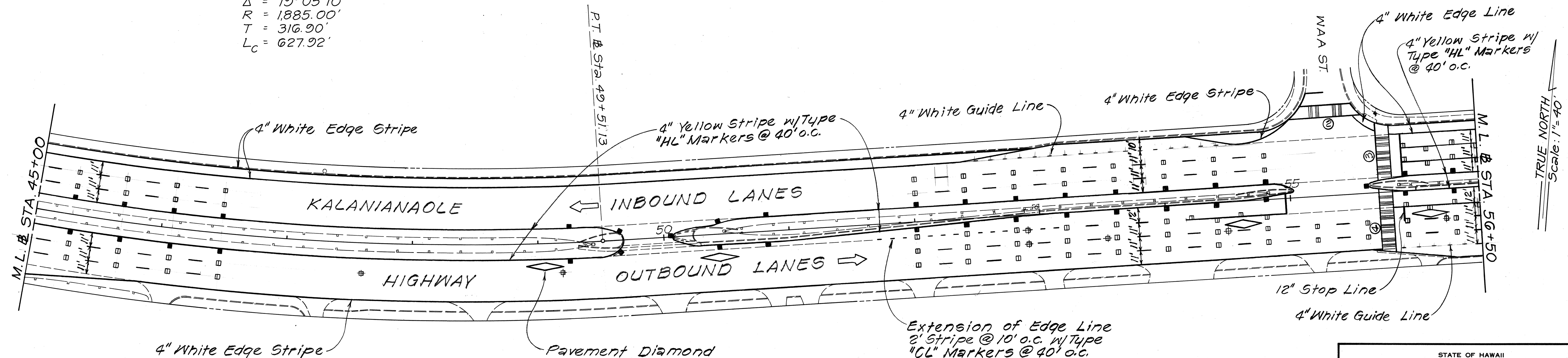
ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
NOTE BOOK	DRAWN BY _____	_____
	TRACED BY _____	_____
	DESIGNED BY _____	_____
	QUANTITIES BY _____	_____
No. _____	CHECKED BY _____	_____



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-87M	1987	16	20

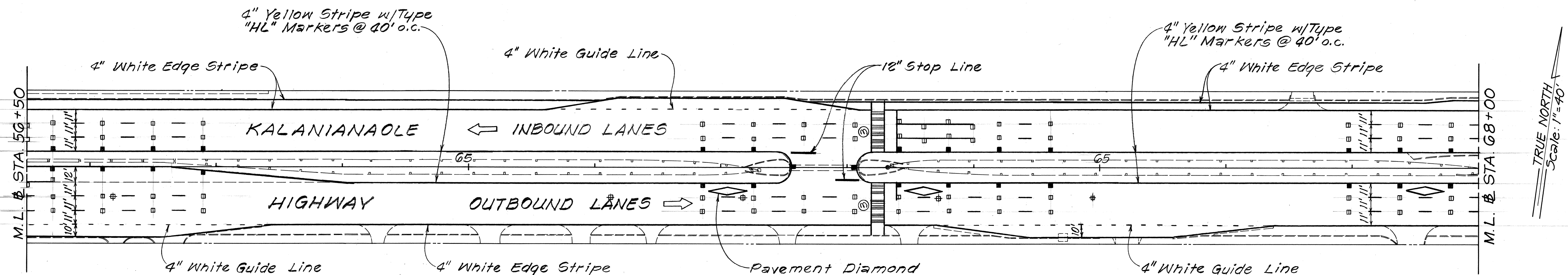


CURVE DATA
 $\Delta = 19^{\circ}05'10''$
 $R = 1885.00'$
 $T = 316.90'$
 $L_c = 627.92'$

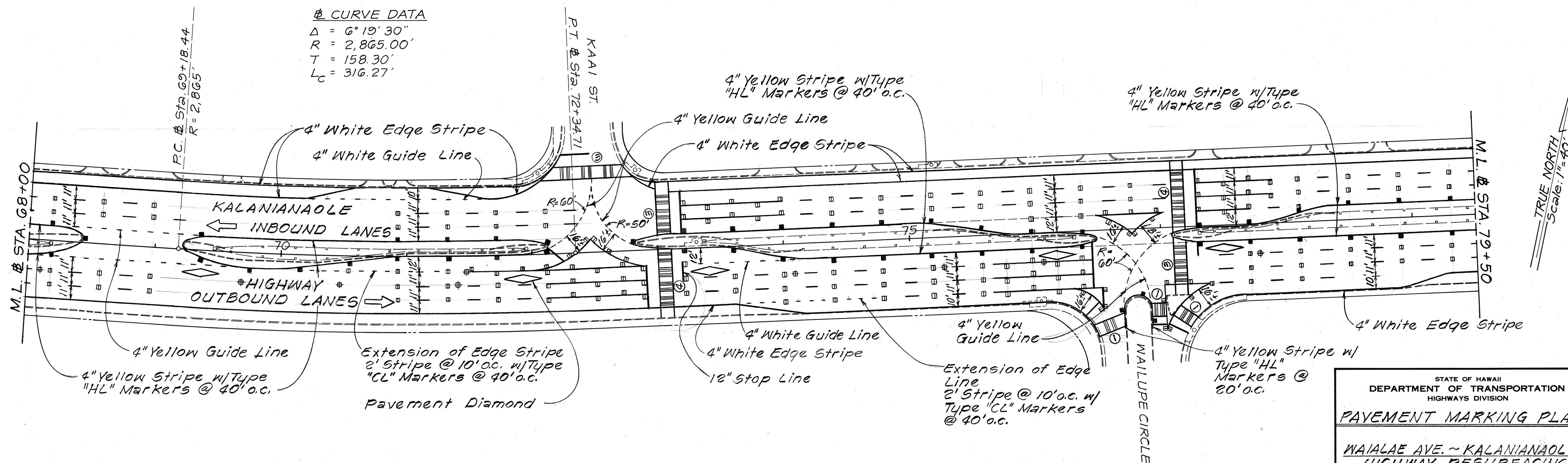


STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING PLANS
 WAIALAE AVE.~KALANIANA'OLE
 HIGHWAY RESURFACING
 21st Ave. to Kirkwood Street
 PROJ. NO. 72C-01-87M
 Scale: 1"=40' Date: Mar, 1987
 SHEET NO. 75 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-87M	1987	17	20



CURVE DATA
 $\Delta = 6^\circ 19' 30''$
 $R = 2,865.00'$
 $T = 158.30'$
 $L_c = 316.27'$



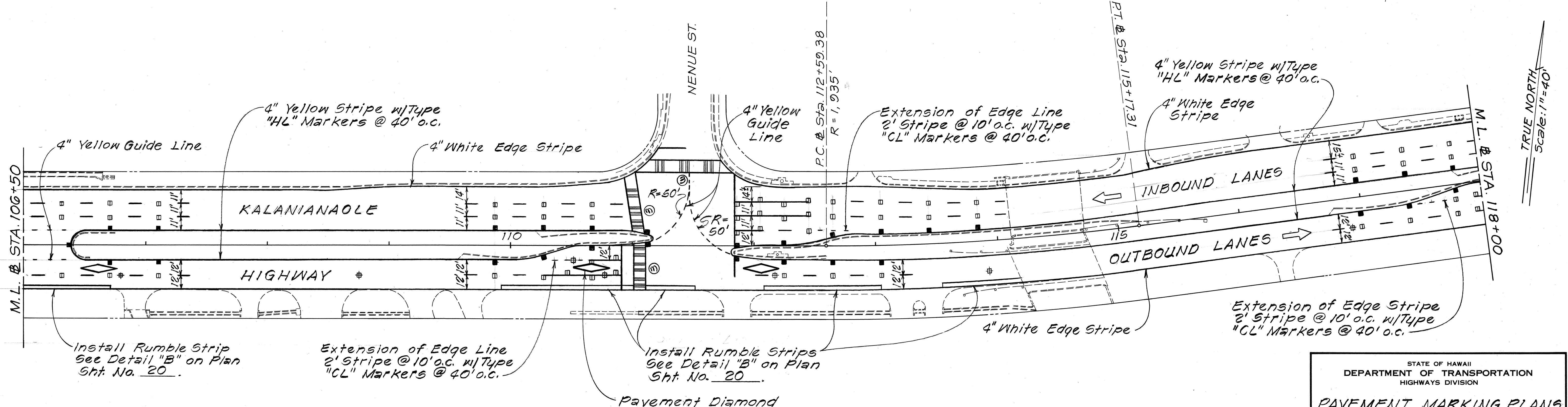
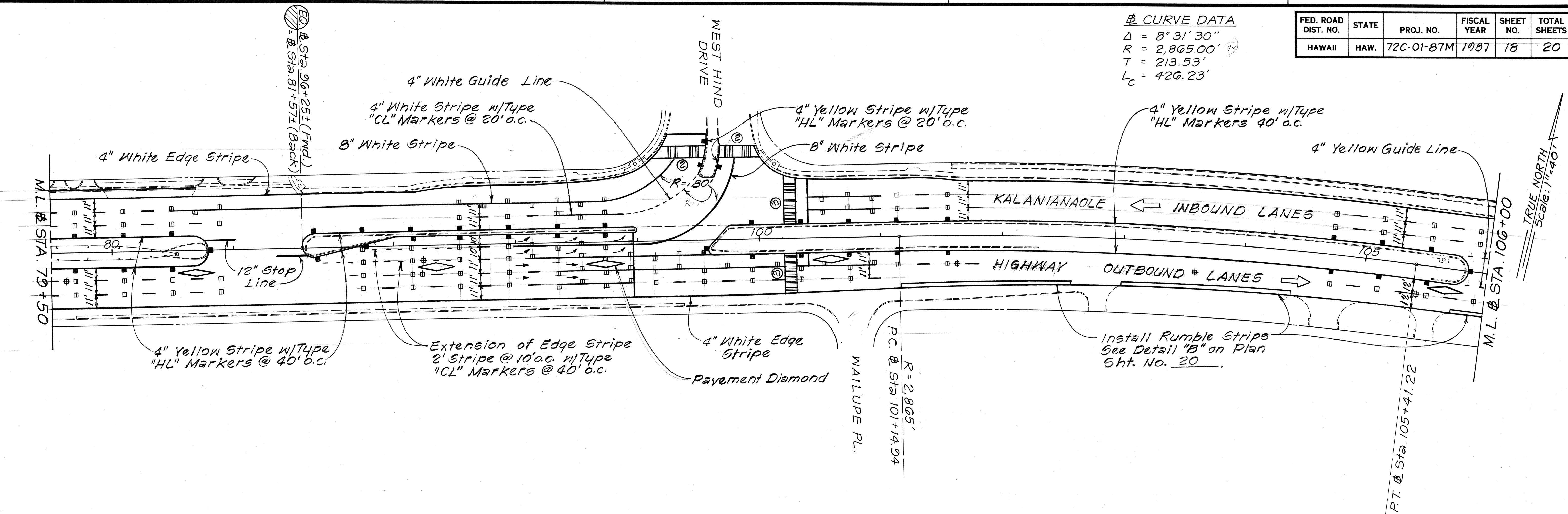
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAYEMENT MARKING PLANS
MAIALAE AVE. ~ KALANIANA'OLE
HIGHWAY RESURFACING
21st Ave. to Kirkwood Street
PROJ. No. 72C-01-87M
Scale: 1"=40' Date: Mar., 1987
SHEET No. 76 OF 7 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-B7M	1987	18	20

⊕ CURVE DATA

$\Delta = 8^{\circ} 31' 30''$
 $R = 2,865.00'$
 $T = 213.53'$
 $L_c = 426.23'$



⊕ CURVE DATA

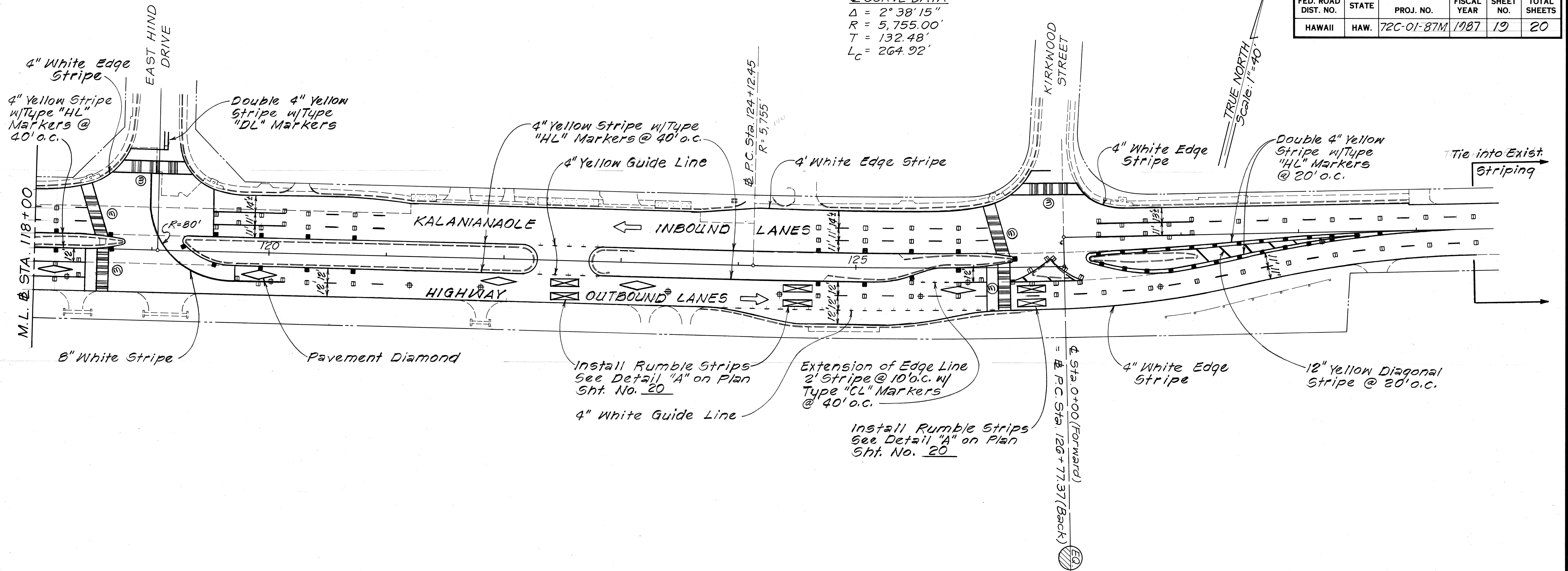
$\Delta = 7^{\circ} 38' 15''$
 $R = 1,935.00'$
 $T = 129.15'$
 $L_c = 257.93'$

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING PLANS
 WAIALAE AVE. - KALANIANA'OLE
 HIGHWAY RESURFACING
 21st Ave. to Kirkwood Street
 PROJ. No. 72C-01-B7M
 Scale: 1" = 40' Date: Mar, 1987
 SHEET No. 77 OF 77 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-87M	1987	19	20

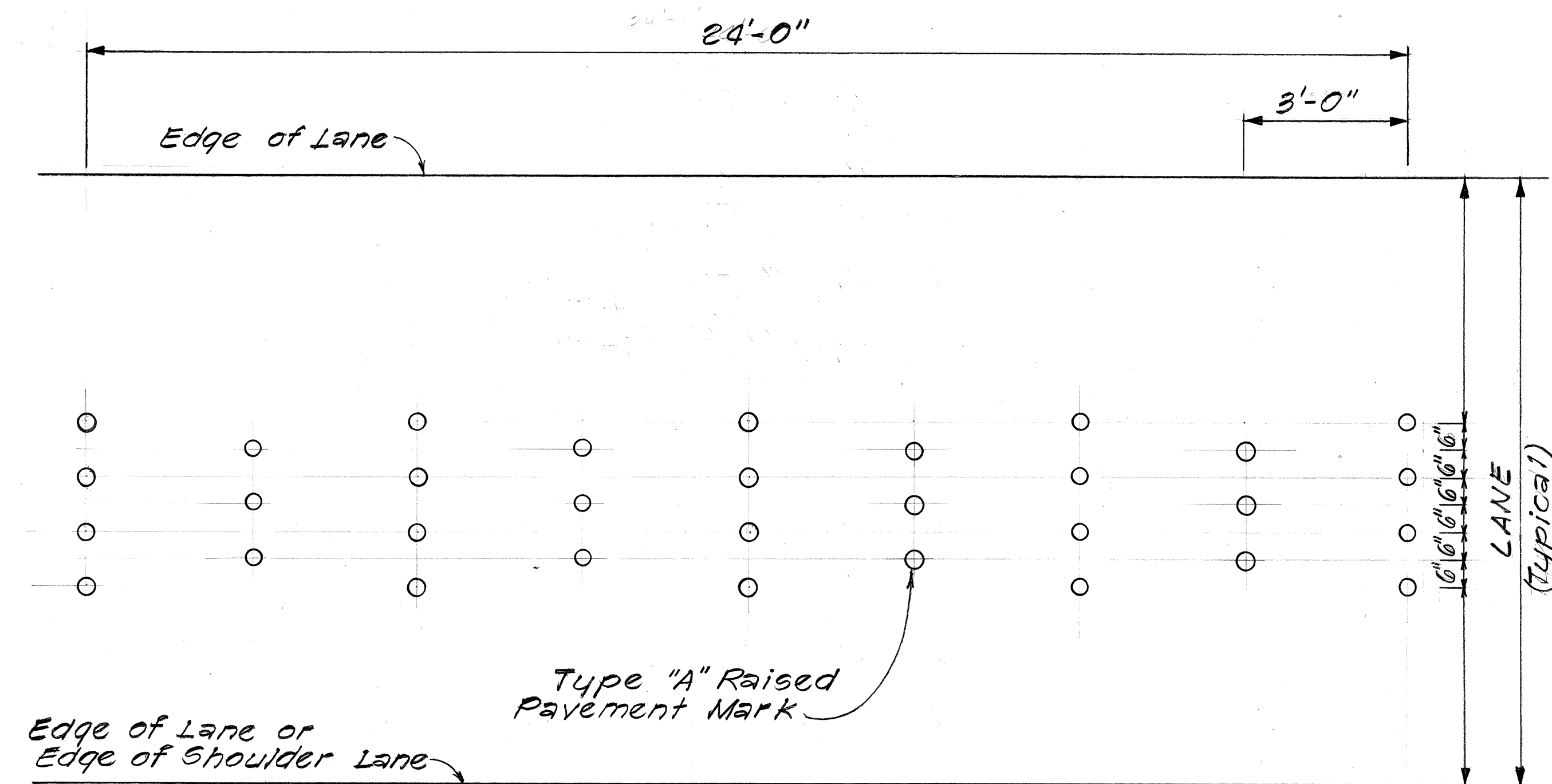
CURVE DATA
 $\Delta = 2^\circ 38' 15''$
 $R = 5,755.00'$
 $T = 132.48'$
 $L_c = 264.92'$



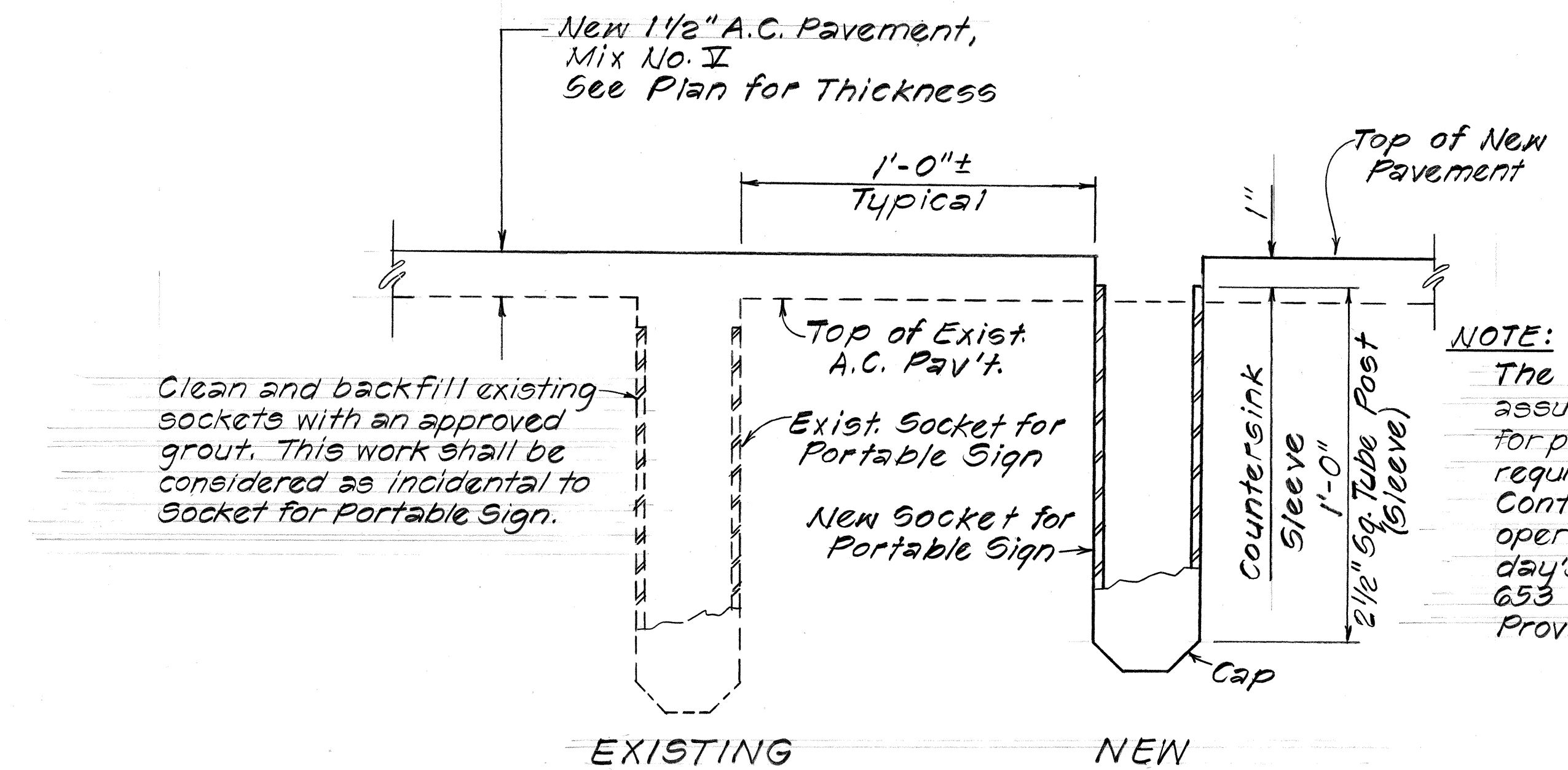
ORIGINAL PLAN	DATE
DESIGNED BY	
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PAVEMENT MARKING PLANS
 WAI'ALAE AVE. ~ KALANIANA'OLE
 HIGHWAY RESURFACING
 21st Ave. to Kirkwood Street
 PROJ. No. 72C-01-87M
 Scale: 1"=40' Date: MAR, 1987
 SHEET No. 19 OF 20 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-87M	1987	20	20

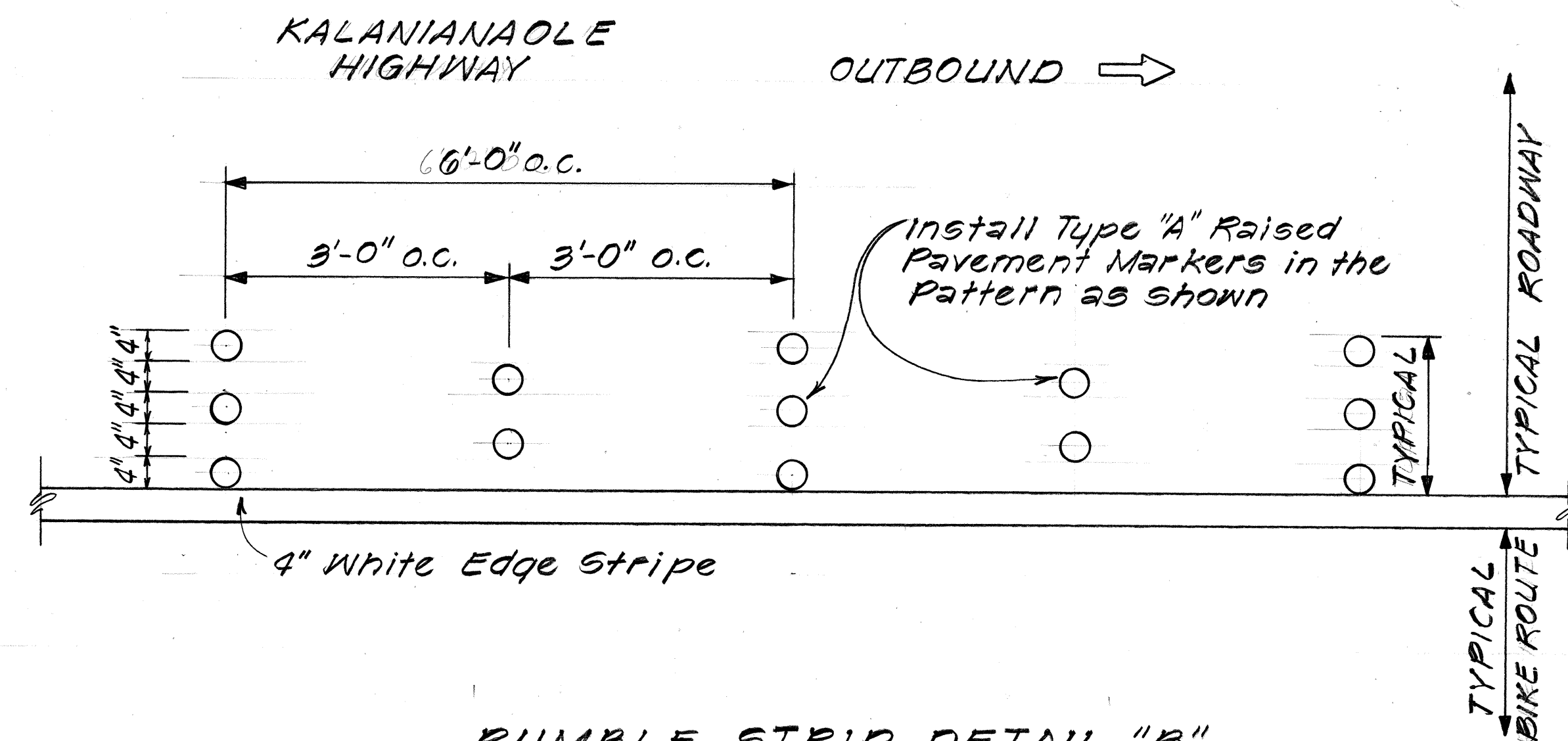


RUMBLE STRIP DETAIL "A"
Scale: 1/2" = 1'-0"



**LONGITUDINAL VIEW
SOCKET DETAIL FOR PORTABLE SIGN**
Scale: 3" = 1'-0"

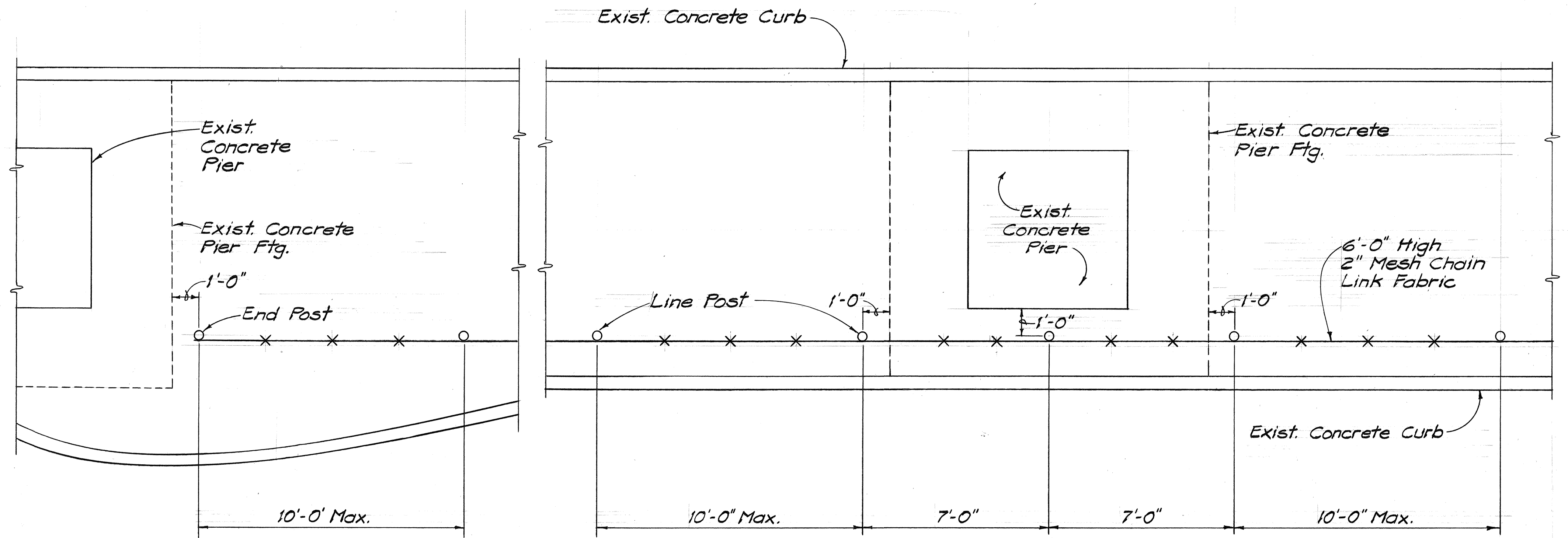
NOTE:
The Contractor shall assure that all sockets for portable signs required to delineate the Contra-Flow lane are operational after each day's work. See Section 653 of the Special Provisions.



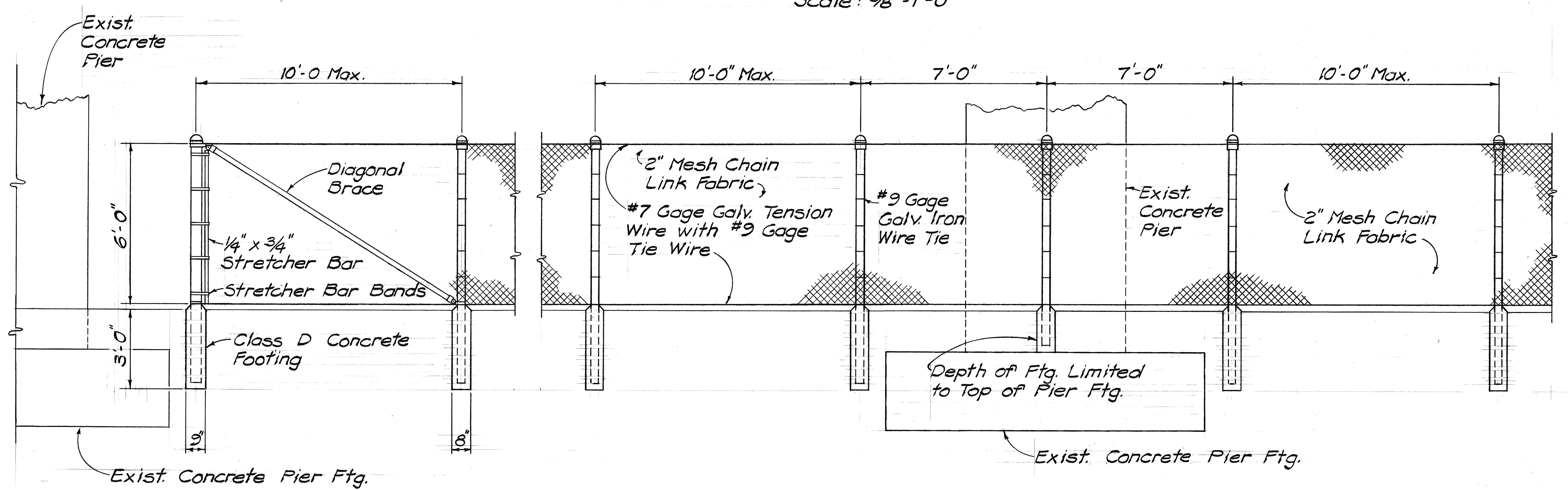
RUMBLE STRIP DETAIL "B"
Scale: 3/4" = 1'-0"

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
MISCELLANEOUS DETAILS
WAIALAE AVE. ~ KALANIANA'OLE HIGHWAY RESURFACING 21st Ave. to Kirkwood Street PROJ. NO. 72C-01-87 Scale: As Shown Date: Mar, 1987 SHEET No. 70 OF 70 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-01-87M	1987	20	20



PLAN
6'-0" HIGH CHAIN LINK FENCE
 Scale: 3/8" = 1'-0"



ELEVATION
6'-0" HIGH CHAIN LINK FENCE
 Scale: 3/8" = 1'-0"

ORIGINAL PLAN	DATE
DESIGNED BY	
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
NO.	

8/26/87	6'-0" High Chain Link Fence Details
DATE	REVISION

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

MISCELLANEOUS DETAILS

WAIALAE AVE.-KALANIANA'OLE
 HIGHWAY RESURFACING
 21st Ave. to Kirkwood Street
 PROJ. No. 72C-01-87M
 Scale: 3/8" = 1'-0" Date: Mar, 1987

SHEET No. 79A OF 9 SHEETS