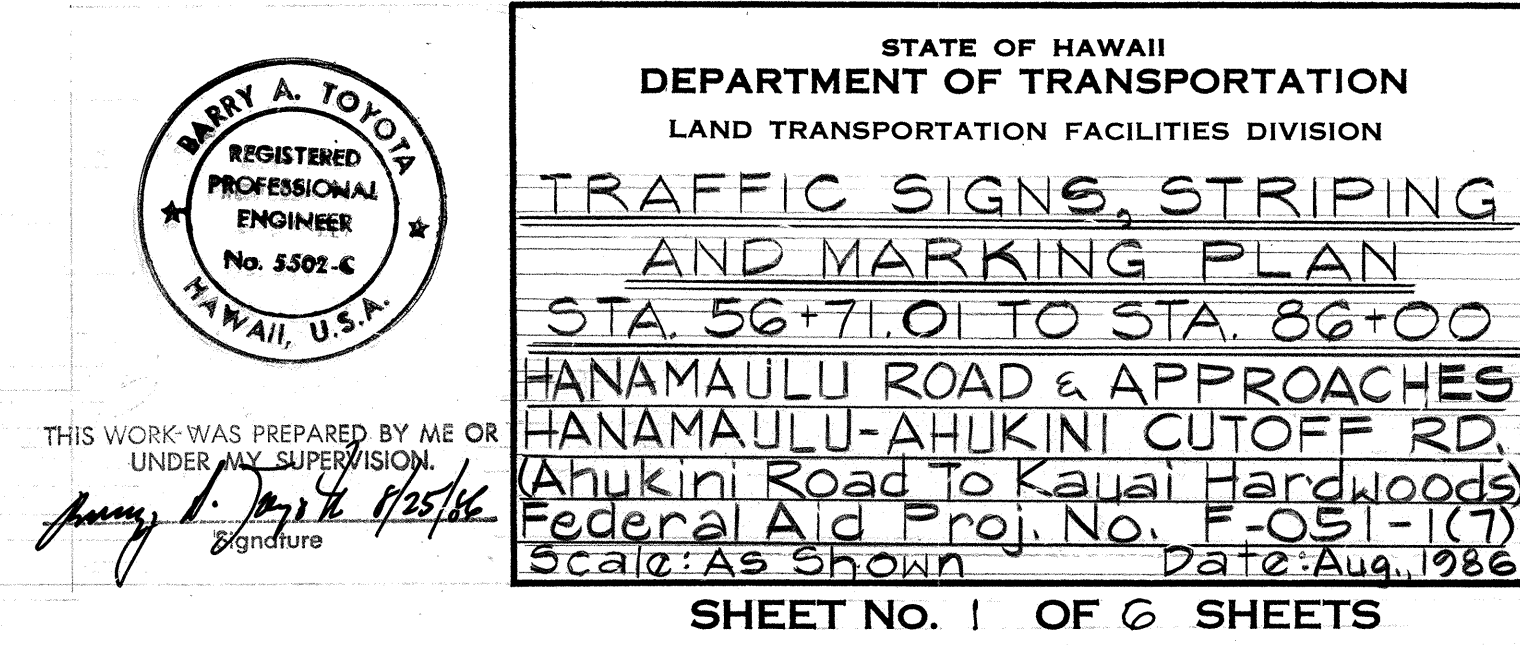


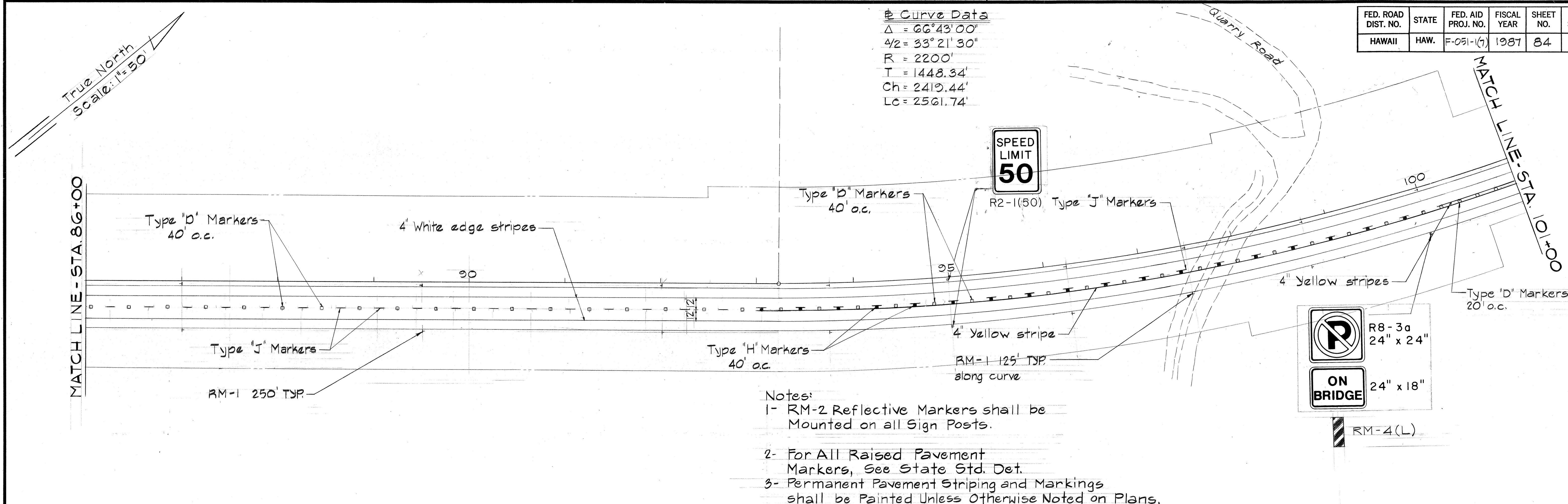
ORIGINAL PLAN	SURVEY PLOTTED BY _____		DATE _____
	DRAWN BY _____	" _____	
	TRACED BY _____	" _____	
NOTE BOOK	DESIGNED BY _____	" _____	
	QUANTITIES BY _____	" _____	
No. _____	CHECKED BY _____	" _____	



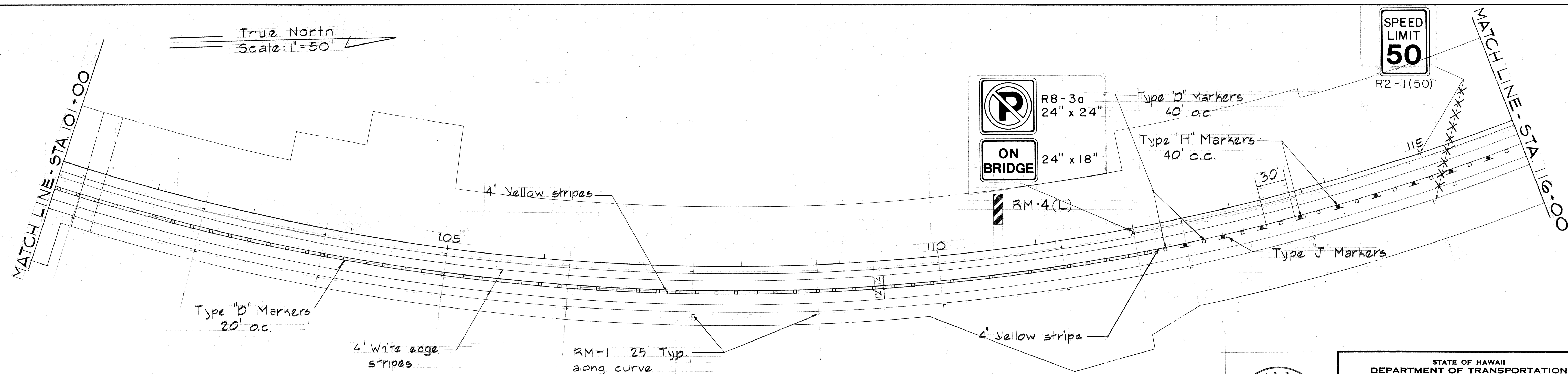
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-(7)	1987	84	164

Curve Data

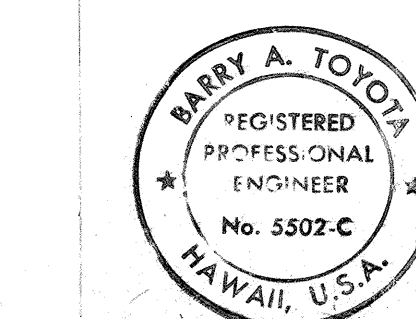
$\Delta = 66^{\circ}43'00''$
 $\Delta/2 = 33^{\circ}21'30''$
 $R = 2200'$
 $T = 1448.34'$
 $Ch = 2419.44'$
 $Lc = 2561.74'$



- Notes:
- 1- RM-2 Reflective Markers shall be Mounted on all Sign Posts.
 - 2- For All Raised Pavement Markers, See State Std. Det.
 - 3- Permanent Pavement Striping and Markings shall be Painted Unless Otherwise Noted on Plans.



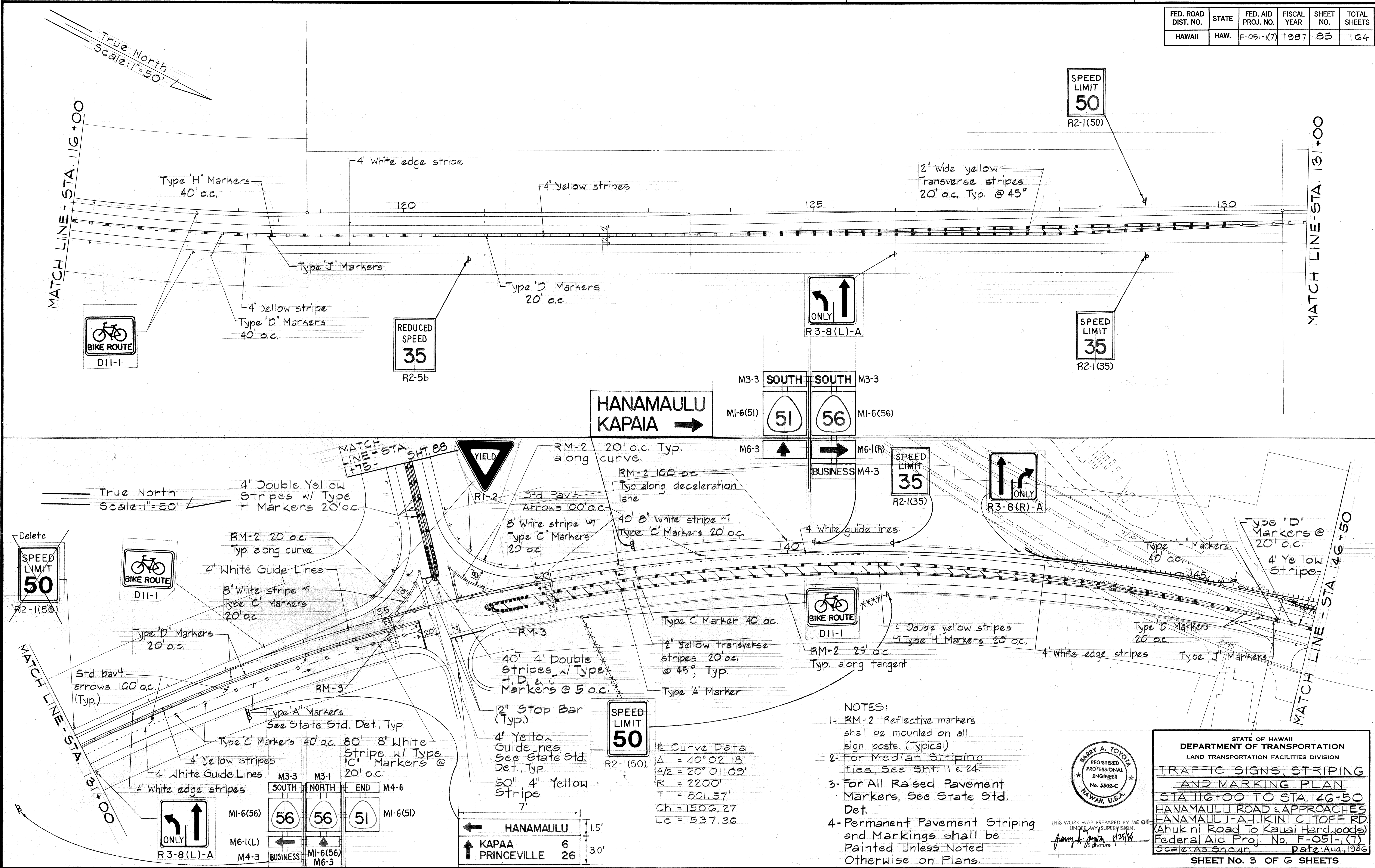
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
No.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Barry A. Toyota 8/25/86
 Signature

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
**TRAFFIC SIGNS, STRIPING
 AND MARKING PLAN**
 STA. 86+00 TO STA. 116+00
 HANAMAULU ROAD & APPROACHES
 HANAMAULU-AHUKINI CUTOFF RD
 (Ahukini Road to Kauai Handwoods)
 Federal Aid Proj. No. F-051-(7)
 Scale: As Shown Date: Aug. 1986

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-1(7)	1987	85	164



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

- NOTES:
- 1- RM-2 Reflective markers shall be mounted on all sign posts. (Typical)
 - 2- For Median Striping ties, See Sht. 11 & 24.
 - 3- For All Raised Pavement Markers, See State Std. Det.
 - 4- Permanent Pavement Striping and Markings shall be Painted Unless Noted Otherwise on Plans.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Barry A. Toyota 8/25/86

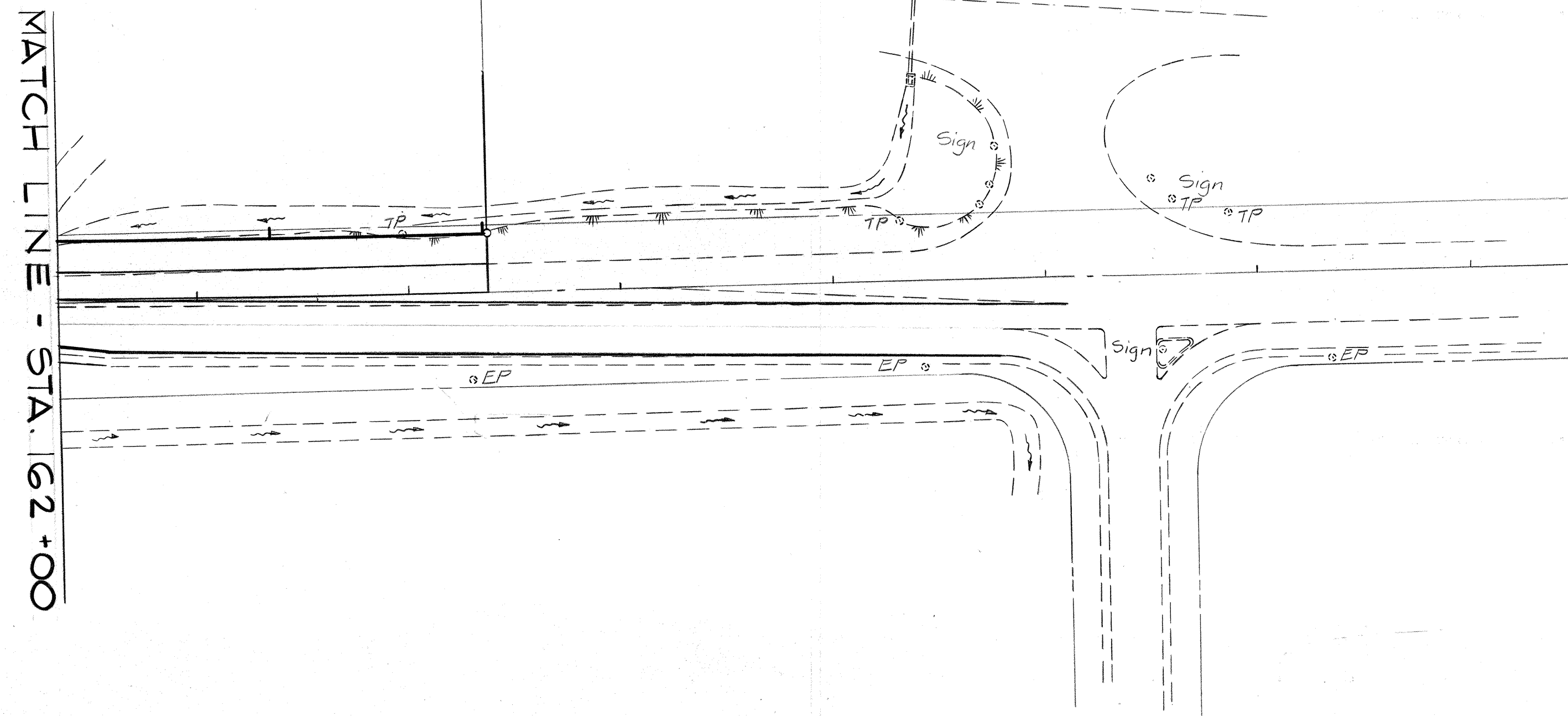
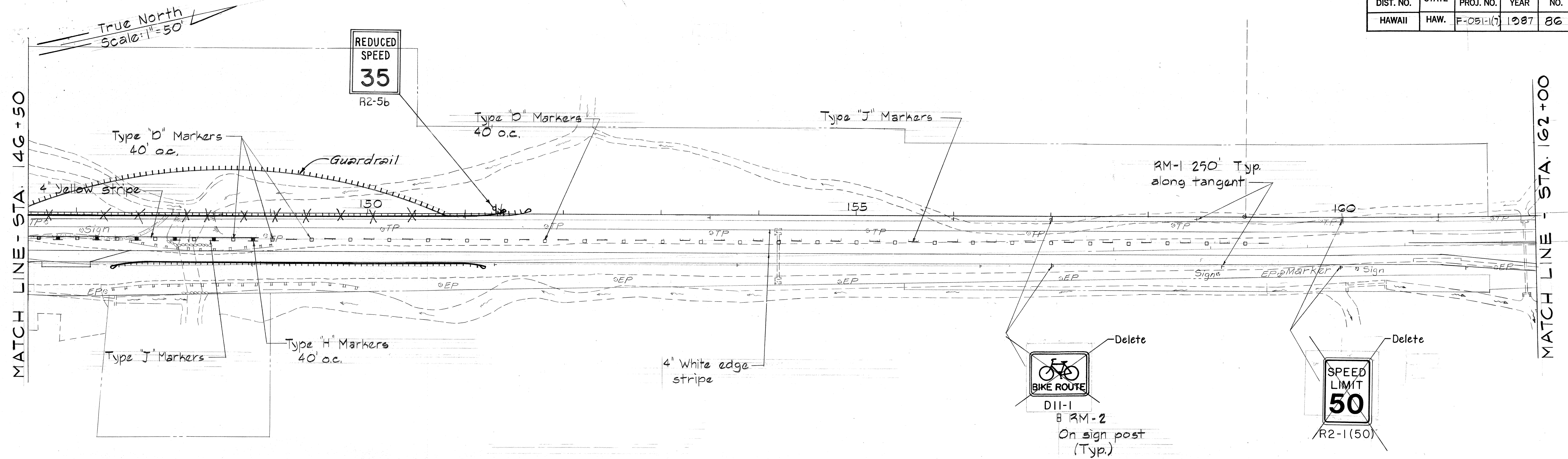
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

**TRAFFIC SIGNS, STRIPING
AND MARKING PLAN**

STA 116+00 TO STA 146+50
HANA MAULU ROAD & APPROACHES
HANA MAULU-AHUKINI CUTOFF RD
(Ahukini Road To Kauai Hardwoods)
Federal Aid Proj. No. F-051-1(7)
Scale: As Shown Date: Aug. 1986

SHEET NO. 3 OF 6 SHEETS

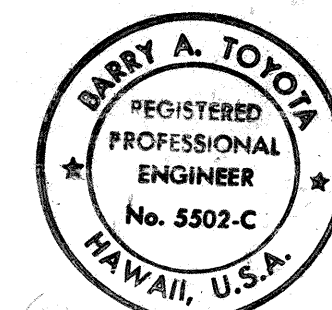
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-1(7)	1987	86	164



Notes:

- 1- RM-2 Reflective Markers shall be Mounted on all Sign Posts.
- 2- For All Raised Pavement Markers, See State Std. Det.
- 3- Permanent Pavement Striping and Markings shall be Painted Unless Otherwise Noted on Plans.

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Barry A. Toyota 8/25/86
 Signature

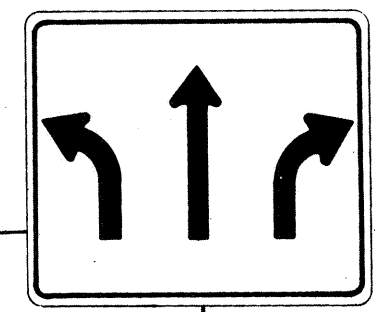
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION LAND TRANSPORTATION FACILITIES DIVISION	
TRAFFIC SIGNS, STRIPING AND MARKING PLAN	
STA. 146+50 TO STA. 161+51.25	
HANAMAULU ROAD & APPROACHES	
HANAMAULU-AHIKINI CUTOFF RD	
(Ahihikini Road To Kauai Hardwoods)	
Federal Aid Proj. No. F-051-1(7)	
Scale: As Shown	Date: Aug. 1986
SHEET NO. 4 OF 6 SHEETS	

SURVEY PLOTTED BY: _____
 DATE: _____
 PLAN: _____
 TRACED BY: _____
 DESIGNED BY: _____
 QUANTITIES BY: _____
 CHECKED BY: _____
 No. _____

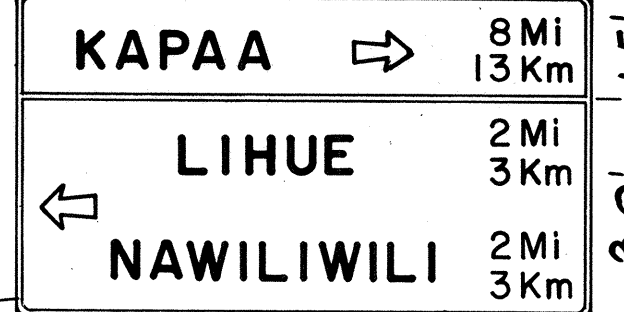
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-1(7)	1987	87	164

REFLECTOR MARKER LEGEND

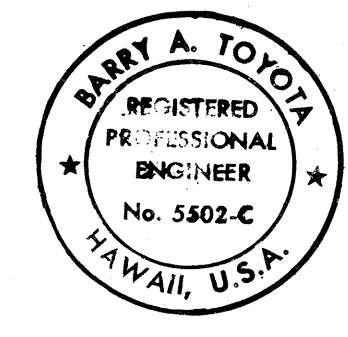
- RM-1
- RM-2



R3-8 (MODIFIED)

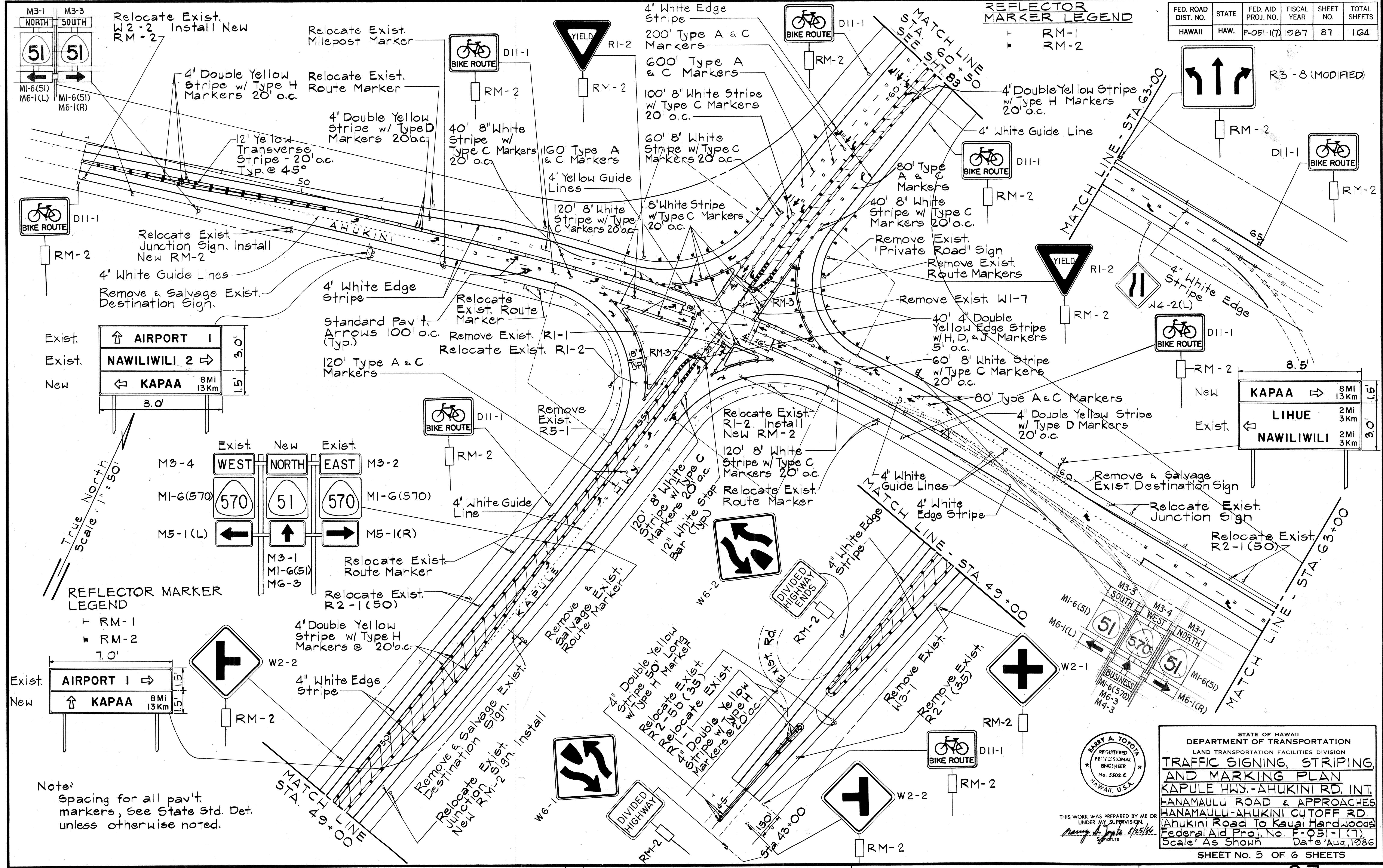


KAPAA 8 Mi 13 Km
LIHUE 2 Mi 3 Km
NAWILIWILI 2 Mi 3 Km



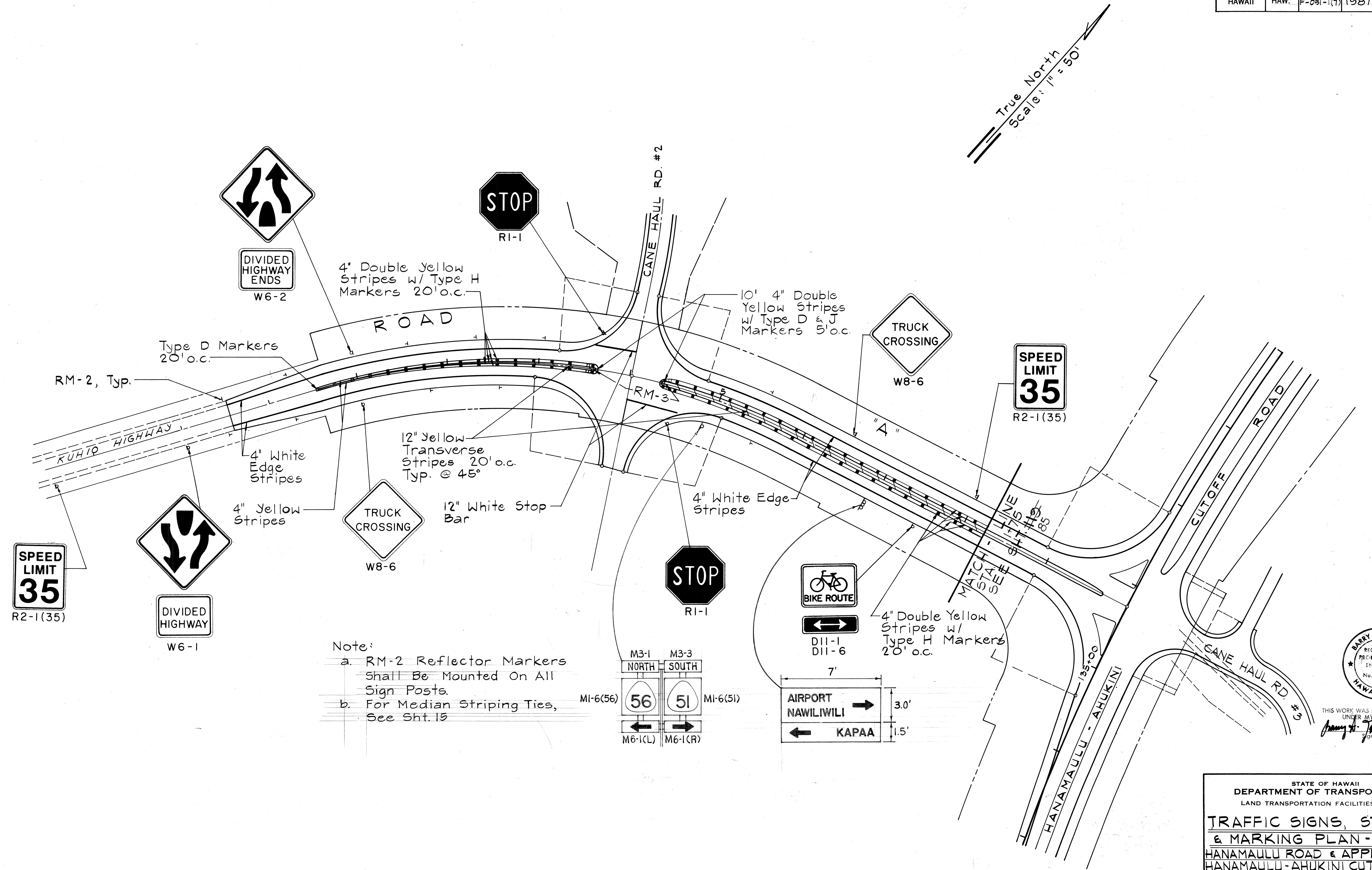
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 Barry A. Toyota 8/25/86
 Signature

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
TRAFFIC SIGNING, STRIPING AND MARKING PLAN
 KAPULE HWY.-AHUKINI RD. INT.
 HANAMAULU ROAD & APPROACHES
 HANAMAULU-AHUKINI CUTOFF RD.
 (Ahukini Road To Kauai Hardwoods)
 Federal Aid Proj. No. F-051-1(7)
 Scale: As Shown Date: Aug. 1986
 SHEET No. 5 OF 6 SHEETS

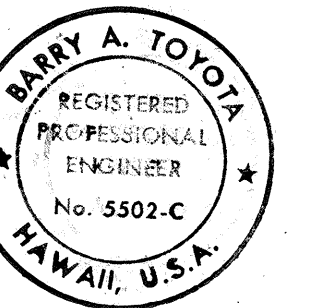


Note:
 Spacing for all pav't.
 markers, See State Std. Det.
 unless otherwise noted.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-1(7)	1987	88	164



- Note:
- RM-2 Reflector Markers shall Be Mounted On All Sign Posts.
 - For Median Striping Ties, See Sht. 15



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Barry A. Toyok 8/28/86
 Signature

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION
**TRAFFIC SIGNS, STRIPING,
 & MARKING PLAN-ROAD "A"**
 HANAMAULU ROAD & APPROACHES
 HANAMAULU-AHUKINI CUTOFF RD.
 (Ahukini Road To Kauai Hardwoods)
 Federal Aid Proj. No. F-051-1(7)
 Scale: As Shown Date: Aug. 1986
 SHEET No. 5 OF 6 SHEETS