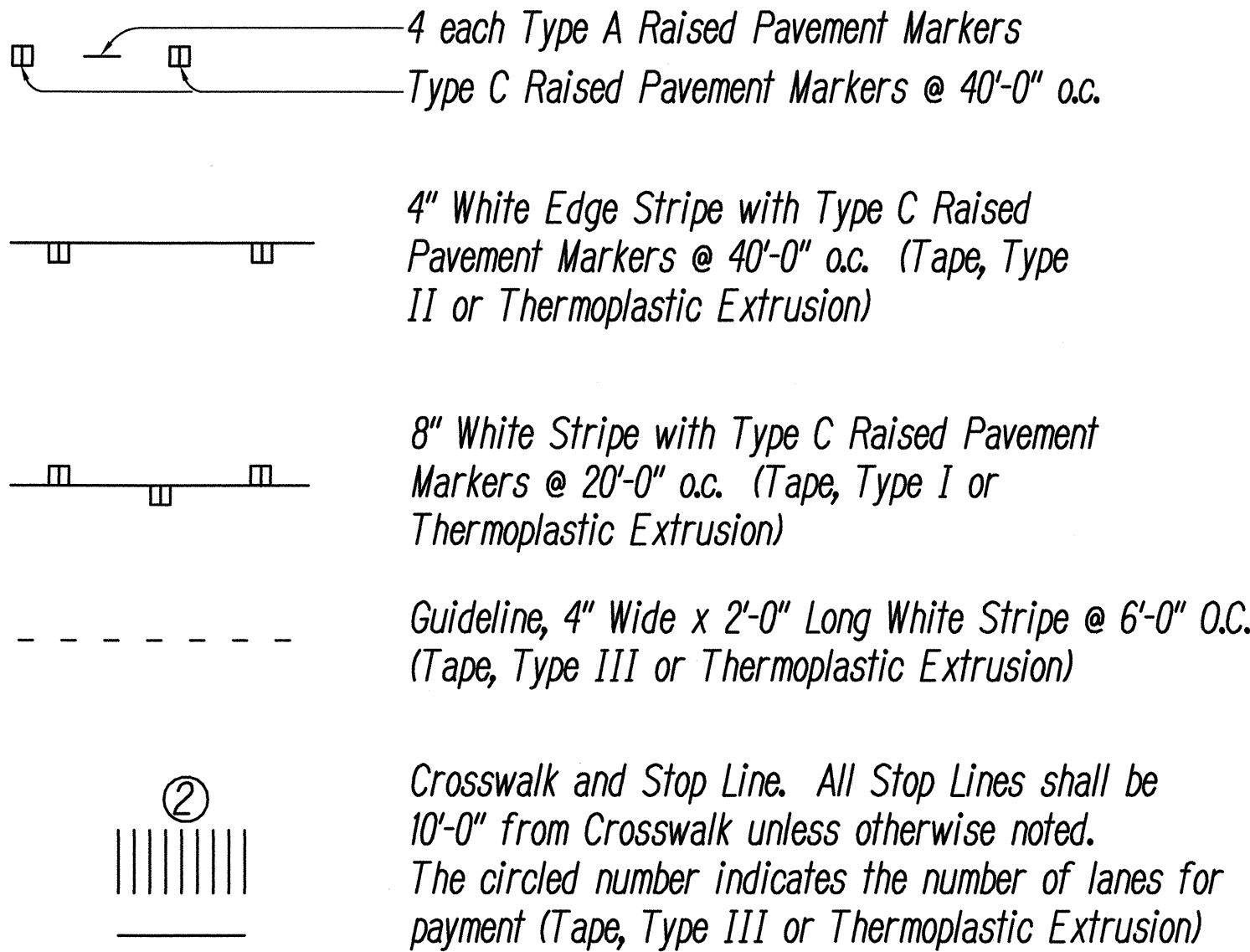


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65B-01-01M	2001	32	58

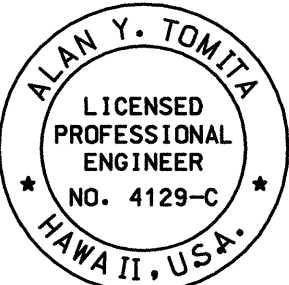
LEGEND



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.
- 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.
- Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
- All pavement striping shall be as noted on the legend or plans.
- 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.
- Sign posts shall be square tube posts unless shown otherwise on these plans or directed by the Engineer.
- Removal of Existing Delineators and Posts as directed by the Engineer shall be considered incidental to the various signing items.
- 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 and/or applies.
- 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 Street and Highways" (MUTCD)
 - "Standard Highway Signs"
 - "Standard Alphabets for Highway Signs"
- All new and relocated signs and markers installed on pipe post or light standard are to be mounted with band brackets and steel braces.
- 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 for the duration of the highway 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 Oahu District Baseyard or as directed by the Engineer at the end of the project. The advance construction warning signs shall be paid under Item No. 621.7100, Construction Warning Sign with Two Posts.
- The Contractor shall notify the Oahu Transit Services Inc. (OTS), Ed Sniffen, at 848-4571 or Lowell Tom at 848-4578 two weeks prior to beginning any work, informing them of location, scope of work, proposed closure of any street or traffic lanes, and the need to relocate any bus stop.

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
DATE	



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Alan Y. Tomita

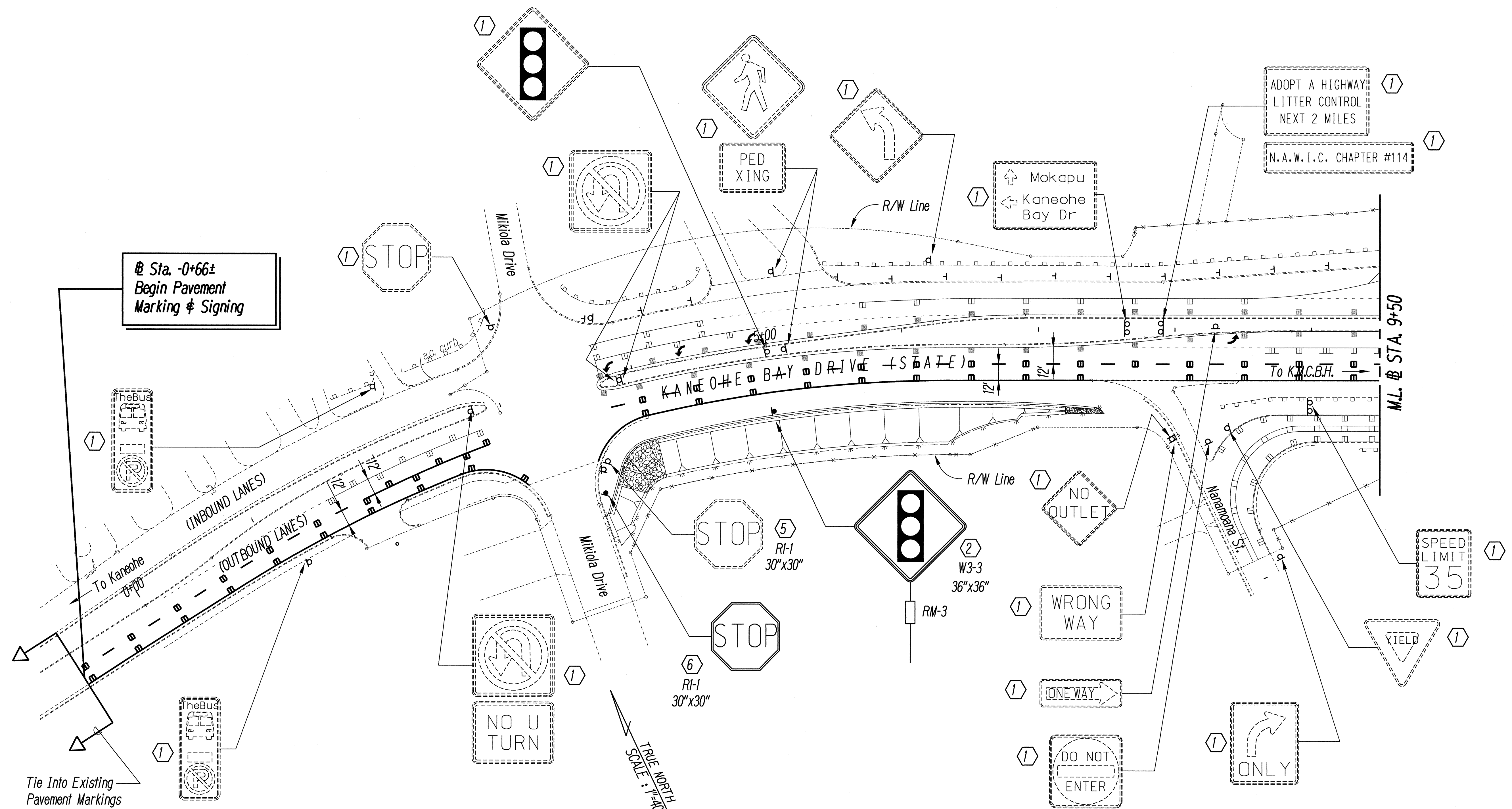
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PAVEMENT MARKING & SIGNAGE
LEGEND & NOTES

MOKAPU SADDLE ROAD SLOPE STABILITY
Vicinity of Mikiola Dr. to Kahinani Place
Project No. 65B-01-01M

Scale: As Shown Date: May, 2001

SHEET No. 1 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65B-01-01M	2001	33	58



- KEY:
- 1 Exist. Sign(s) & Post(s) to Remain
 - 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s)
 - 3 Remove Exist. Sign(s) w/ Post(s) & Relocate
 - 4 Relocated Sign(s)
 - 5 Remove Existing Sign(s)
 - 6 Install New Sign(s) w/ Post(s)

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

ALAN Y. TOMIYA
 LICENSED PROFESSIONAL ENGINEER
 NO. 4129-C
 HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomioka

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNAGE PLAN

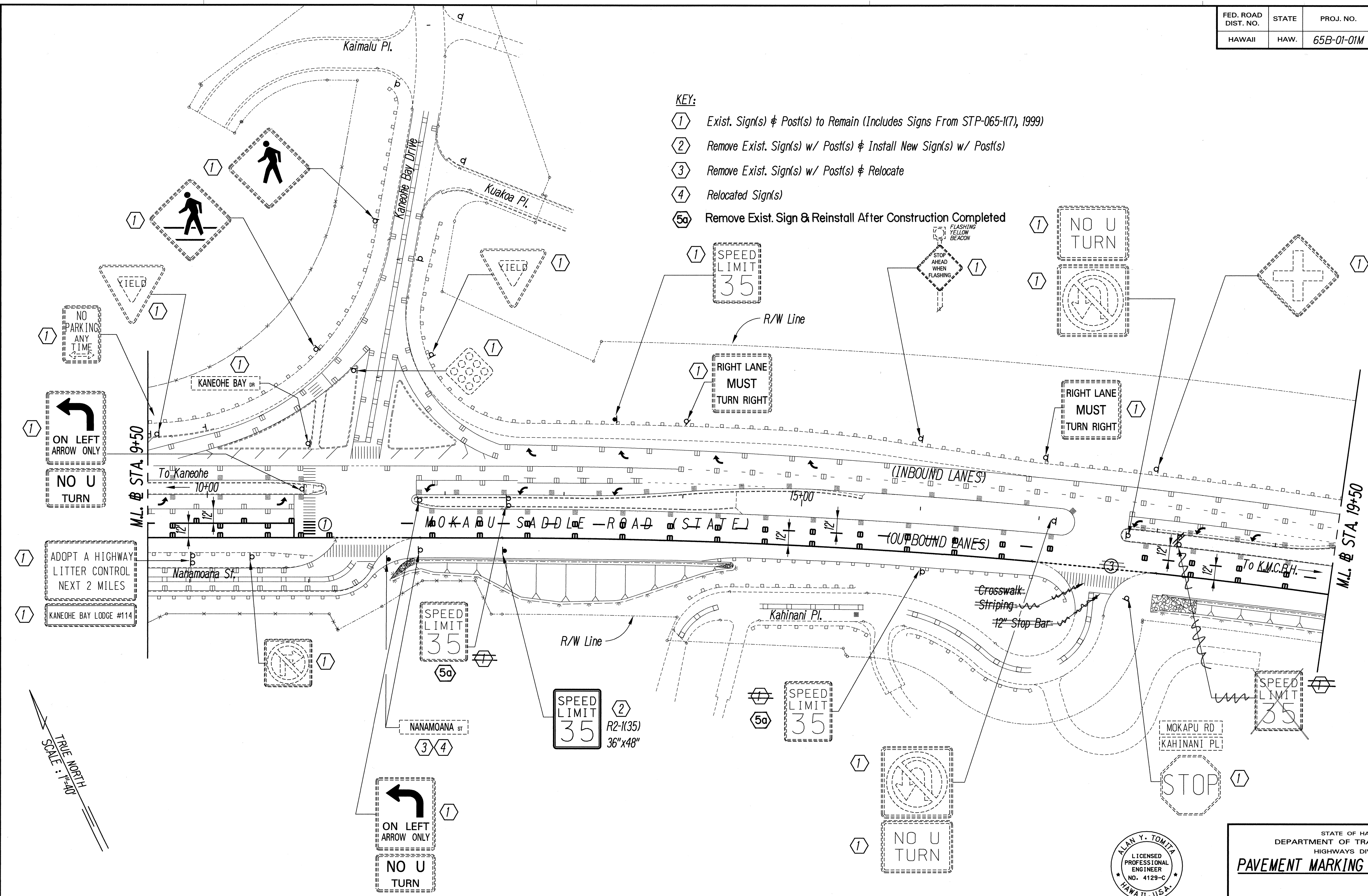
MOKAPU SADDLE ROAD SLOPE STABILITY
 Vicinity of Mikiola Dr. to Kahinani Place
 Project No. 65B-01-01M

Scale: 1"=40' Date: May, 2001

SHEET No. 2 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65B-01-01M	2001	34	58

- KEY:
- 1 Exist. Sign(s) & Post(s) to Remain (Includes Signs From STP-065-1(7), 1999)
 - 2 Remove Exist. Sign(s) w/ Post(s) & Install New Sign(s) w/ Post(s)
 - 3 Remove Exist. Sign(s) w/ Post(s) & Relocate
 - 4 Relocated Sign(s)
 - 5a Remove Exist. Sign & Reinstall After Construction Completed



DATE	_____
SURVEY OBTAINED BY	_____
DESIGNED BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
NOTE BOOK	_____
PLAN	_____

ALAN Y. TOMITA
LICENSED PROFESSIONAL ENGINEER
NO. 4129-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING & SIGNAGE PLAN

MOKAPU SADDLE ROAD SLOPE STABILITY
Vicinity of Mikiola Dr. to Kahinani Place
Project No. 65B-01-01M
Scale: 1"=40' Date: May, 2001

SHEET No. 3 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65B-01-01M	2001	36	58

TRAFFIC SIGN SUMMARY

SIGN NO.	MESSAGE	QUANTITY			
		10 SQ. FT. OR LESS		10 SQ. FT. OR MORE	
		W/POST	W/O POST	W/POST	W/O POST
R1-1	STOP	1			
R2-1(35)	SPEED LIMIT (35 MPH)			1	
W3-3	SIGNAL AHEAD SYMBOL	1			
	TOTAL	2	0	1	0

ROUTE MARKER SUMMARY

LOCATION	SIGN NO. AND MESSAGE	TYPE A ASSEMBLY		TYPE B ASSEMBLY	
		W/POSTS	W/O POSTS	W/POSTS	W/O POSTS
# STA. 19+62± O.B.	IM-1 (H-3)/IM2-1 (JCT)	1			
TOTAL		1	0	0	0

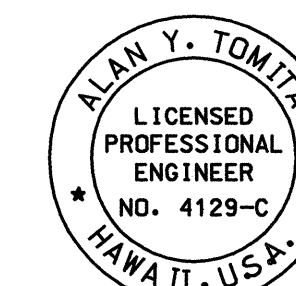
PAVEMENT MARKING SUMMARY

DESCRIPTION	QUANTITY
PAVEMENT MARKERS	
TYPE A _____	188 EA.
TYPE C _____	112 EA.
TAPE - TYPE I OR THERMOPLASTIC EXTRUSION	
8-INCH PAVEMENT STRIPE (WHITE) _____	198 L.F.
TAPE - TYPE II OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	2,075 L.F.
TAPE - TYPE III OR THERMOPLASTIC EXTRUSION	
4-INCH PAVEMENT STRIPE (WHITE) _____	104 L.F.
12-INCH PAVEMENT STRIPE (WHITE) _____	12 L.F.
CROSSWALK MARKINGS _____	1 LANE

REFLECTOR MARKER SUMMARY

SIGN NO.	DESCRIPTION	QUANTITY	
		W/POST	W/O POS
RM-3	YELLOW REFLECTOR MARKER		2
	TOTAL	0	2

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
N.	CHECKED BY _____



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Alan y Scottie

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SUMMARIES

MOKAPU SADDLE ROAD SLOPE STABILITY
Vicinity of Mikiola Dr. to Kahinani Place
Project No. 65B-01-01M

Scale: As Shown Date: May, 2001

SHEET No. 5 OF 5 SHEETS