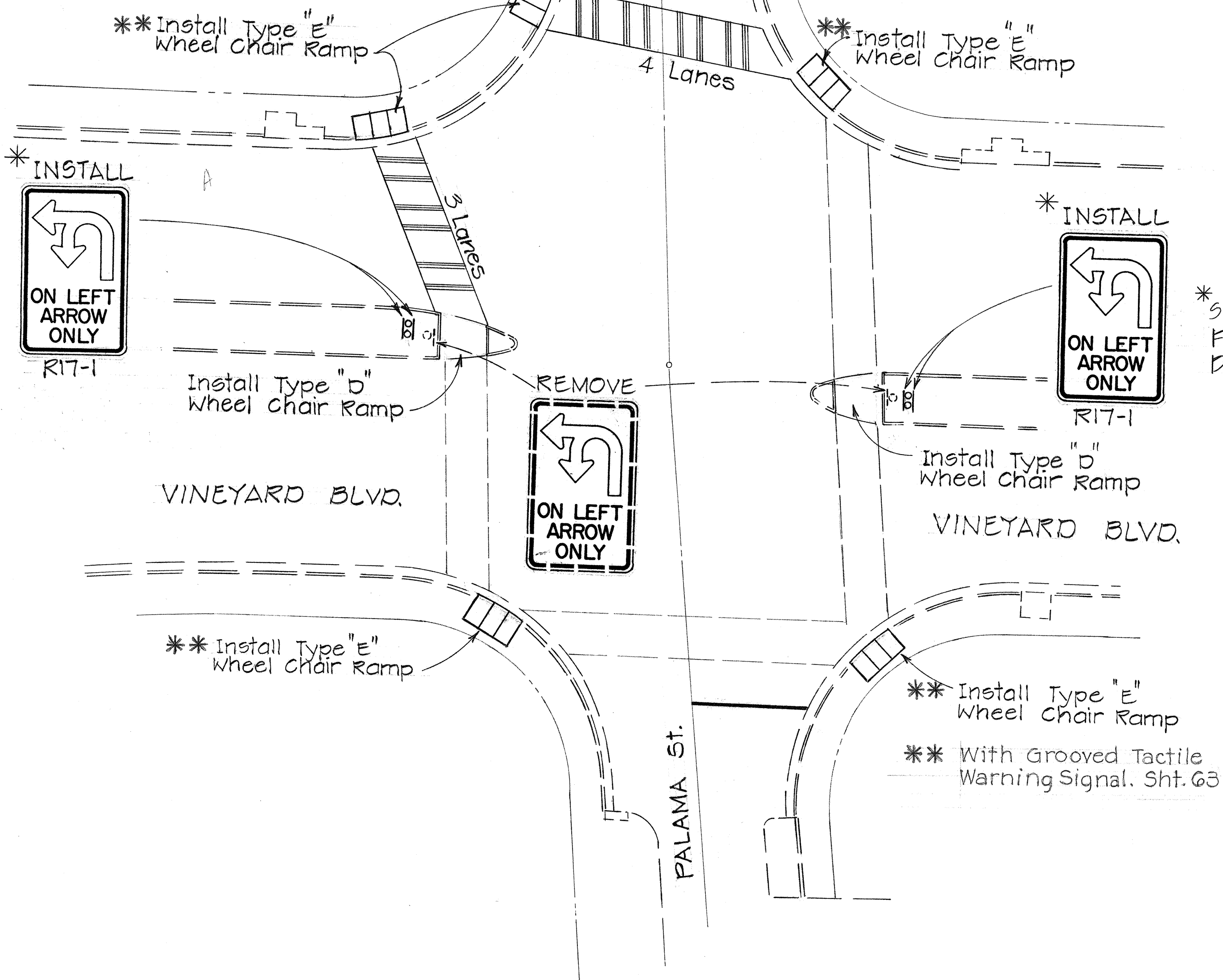


QUANTITY SUMMARY FOR PALAMA STREET INTERSECTION

ITEM NO.	QUANTITY	Description
621.5100	2 Ea.	R17-1 Sign with Posts
621.5000	2 Ea.	R17-1 Sign with out Post
623.4300	4 Ea.	One new Pedestrian Signal Head with Type IX Mounting
623.3001	2 Ea.	One new 12" RYG Traffic Signal Head with Type I Mounting
623.3017	2 Ea.	Relocated 12" RY↑ Traffic Signal Head, and One New 12" RY← Programmed Visibility Traffic Signal Head with Type II Mounting.
623.8050	2 Ea.	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) (6 Loops)
623.8070	2 Ea.	Loop Detector Sensing Unit (6 Ft. x 8 Ft.) (3 Loops)
623.7020	1100 L.F.	NO. 14 2-Conductor Loop Detector Cable
623.6010	4 Ea.	Type B Pullbox
623.5000	730 Lin.Ft.	2" Conduit
623.3001	2 Ea.	One new 12" RY← Traffic Signal Head with Type I Mounting
623.4600	10 Ea.	Pedestrian Pushbutton with R10-4a Sign
623.4400	4 Ea.	Two new Pedestrian Signal Heads with Type V Mounting
623.3070	2 Ea.	Revise Existing 12" RYG Traffic Signal Head to Display RY↑ Indication
623.8040	2 Ea.	Loop Detector Sensing Unit (6'x6') (4 Loops)
623.1020	7 Lanes	Crosswalk Markings
623.1010	55 L.F.	Pavement Striping
650.0040	2 Ea.	Type "D" Wheel Chair Ramps
650.0050	5 Ea.	Type "E" Wheel Chair Ramps
623.3011	2 Ea.	Two new 12" RYG Traffic Signal Head with Type II Mounting
	770 L.F.	Pedestrian Pushbutton Control Cable (1-2C #14)

*SEE PLAN SHT. #66 FOR MOUNTING DETAIL "A"



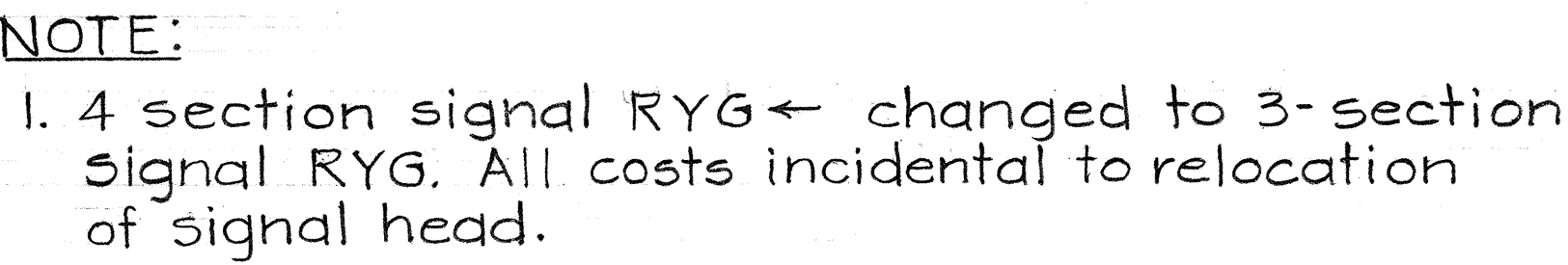
*SEE PLAN SHT. #66 FOR MOUNTING DETAIL "A"

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

12/15/77	Revise Quantity Summary
Date	Revision

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
UPGRADE TRAFFIC SIGNALS AT
VARIOUS INTERSECTIONS
PALAMA ST. - VINEYARD BLVD.
PROJ. NO. HWY 0-03-75
Scale: 1"=20' Date: April, 1977
SHEET NO. 33 OF 47 SHEETS

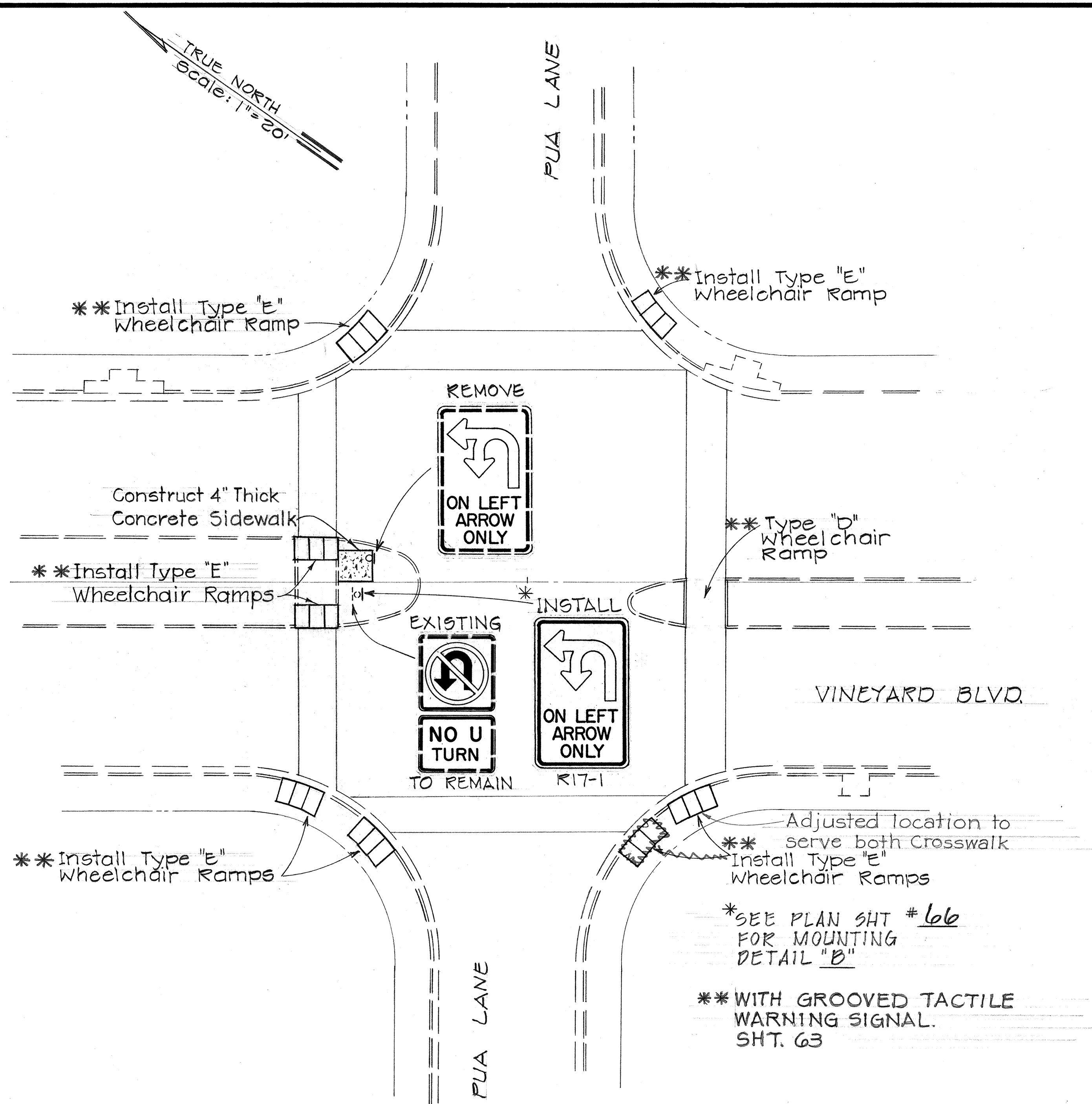
ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	" _____
	TRACED BY _____	" _____
NOTE BOOK	DESIGNED BY _____	" _____
	QUANTITIES BY _____	" _____
No. _____	CHECKED BY _____	" _____



38

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY 0-03-75	1978	39	79

SUMMARY OF QUANTITY FOR PUA LANE INTERSECTION		
ITEM NO.	QUANTITY	DESCRIPTION
621.5000	1 Ea.	R17-1 Sign without Post
623.2027	1 Ea.	Pedestrian Pushbutton Post and Foundation
623.4400	6 Ea.	Two new Pedestrian Signal Heads with Type V Mounting
623.4600	10 Ea.	Pedestrian Pushbutton with R10-4a Sign
623.8050	2 Ea.	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) (6 LOOPS)
623.8070	2 Ea.	Loop Detector Sensing Unit (6 Ft. x 8 Ft.) (3 LOOPS)
623.8030	1 Ea.	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) (3 LOOPS)
623.7020	960 L.F.	NO. 14 2-Conductor Loop Detector Cable
623.5000	645 L.F.	2 Inch Conduit
623.6010	2 Ea.	Type "B" Pullbox
623.3027	1 Ea.	One New 12" RY↑ Traffic Signal Head, One relocated 12" RYG Traffic Signal Head, and one New 12" RY← Programmed Visibility Traffic Signal Head with Type III Mounting
623.3070	1 Ea.	Revise Existing 12" RYG Traffic Signal Head To Display RY↑ Indication
623.3001	1 Ea.	New 12" RYG Traffic Signal Head with Type I Mounting
623.3015	1 Ea.	One Relocated 12" RYG Traffic Signal Head and one new 12" RYG Traffic Signal Head with Type II Mounting
608.0200	8 S.Y.	Concrete sidewalk
650.0040	1 Ea.	Type "D" Wheelchair Ramp
650.0050	8 Ea.	Type "E" Wheelchair Ramp
	730 L.F.	Pedestrian Pushbutton Control Cable (1-2C#14)



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

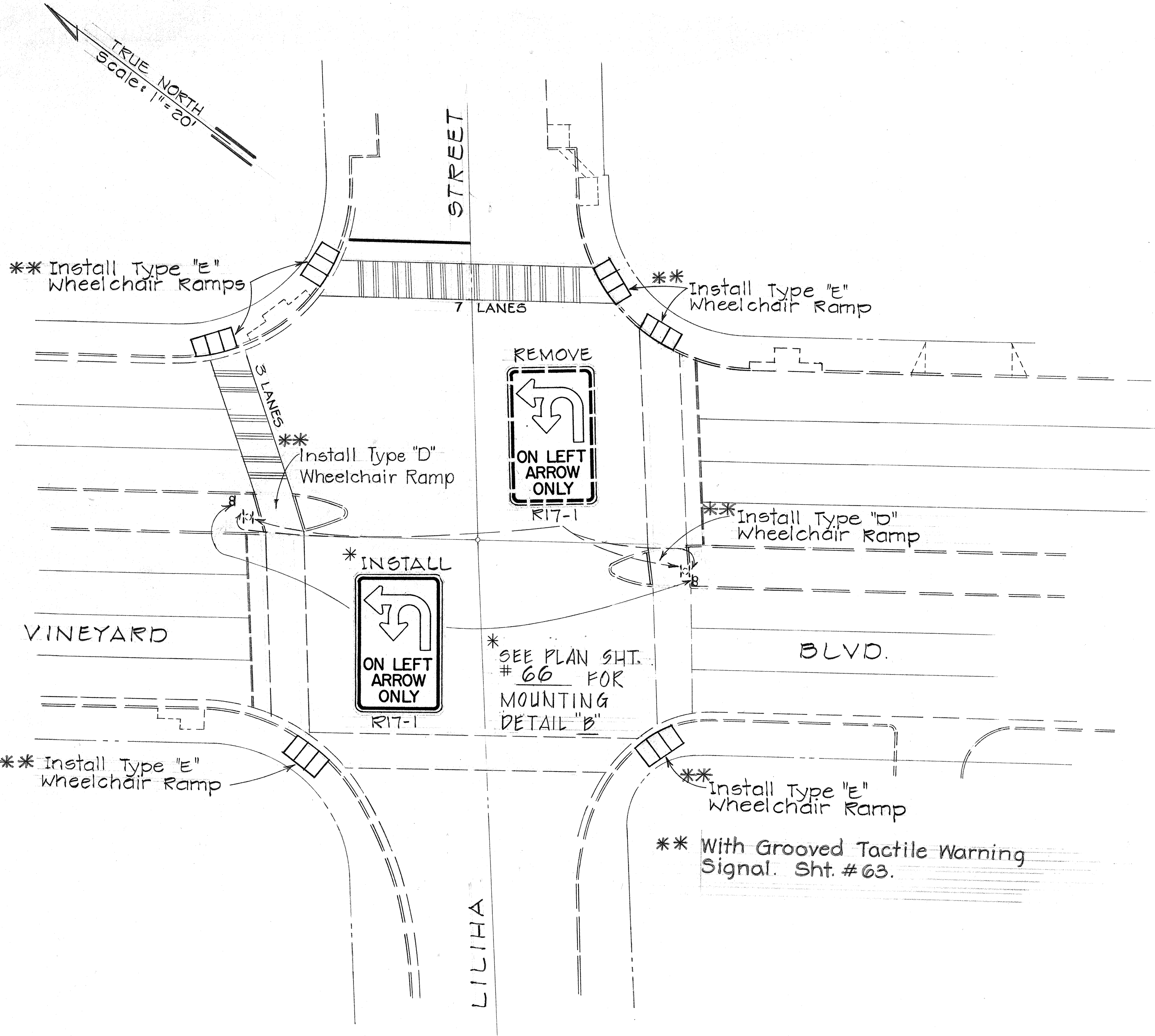
UPGRADE TRAFFIC SIGNAL AT
VARIOUS INTERSECTIONS

VINEYARD BLVD - PUA LANE
PROJ. No. HWY 0-03-75
Scale: As Shown Date: April, 1977
SHEET No. 35 OF 49 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY.-0-03-75	1978	41	79

QUANTITY SUMMARY FOR LILIHA STREET INTERSECTION

Item No.	Quantity	Description
621.5100	2 Ea.	Install new R17-1 Sign with post
623.3001	2 Ea.	New 12" R,Y,← Traffic Signal Head with Type I Mounting
623.2016	3 Ea.	Type II Traffic Signal Standard with 30 foot Mastarm and Foundation
623.3061	2 Ea.	One new 12" R,Y,↑ Traffic Signal Head with Type VI Mounting
623.3033	1 Ea.	One relocated 12" R,Y,← Programmed Visibility Head with Type IV Mounting
623.2023	1 Ea.	Type III Traffic Signal Standard with 30 Ft. Mastarm and Foundation.
623.3061	4 Ea.	One new 12" R,Y,G Traffic Signal Head with Type VI Mounting
623.3035	3 Ea.	One relocated 12" R,Y,G Traffic Signal Head with Type IV Mounting
623.3015	2 Ea.	One new 12" R,Y,G Traffic Signal Head and one relocated 12" R,Y,G Traffic Signal Head on new Type II Mounting
623.3065	2 Ea.	One Relocated 12" R,Y,↑ Traffic Signal Head with Type VI Mounting
623.3007	1 Ea.	One Relocated 12" R,Y,← Programmed Visibility Head with Type IA Mounting
623.4300	4 Ea.	New Pedestrian Signal Head with Type IV Mounting
623.4400	4 Ea.	Two New Pedestrian Signal Heads with Type V Mounting
623.8050	8 Ea.	Loop Detector Sensing Unit (6 Ft. x 6 Ft.) 6 Loops
623.8070	2 Ea.	Loop Detector Sensing Unit (6 Ft. x 8 Ft.) 3 Loops
623.4600	10 Ea.	Pedestrian Pushbutton with R10-4a Sign
623.6010	8 Ea.	Type B Pullbox
623.5000	600 L.F.	2" Conduit
623.7020	1530 L.F.	No. 14-2 Conductor Loop Detector Cable
650.0040	2 Ea.	Type "D" Wheelchair Ramp
650.0050	6 Ea.	Type "E" Wheelchair Ramp
623.1020	10 Lanes	Crosswalk Marking
623.1010	35 L.F.	Pavement Striping
622.7000	1 Ea.	Type B Pullbox for Highway Lighting System
622.7010	1 Ea.	Reset Existing Highway Lighting Luminaire on New Type III Traffic Signal Standard
	855 L.F.	Pedestrian Pushbutton Control Cable (1-2C #14)



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UPGRADE TRAFFIC SIGNALS
AT VARIOUS INTERSECTIONS

VINEYARD BLVD.-LILIHA ST.
PROJ. NO. HWY.-0-03-75

Scale: 1"=20' Date: _____

SHEET NO. 37 OF 49 SHEETS