

TRAFFIC SIGNAL STANDARD SCHEDULE	
POLE LETTER	DESCRIPTION
F	Install Type II Traffic Signal Standard with Signal Heads.
D	Install Type III Traffic Signal Standard; Signal and Pedestrian Heads; and 15-Ft. Highway Lighting Mast Arm with 180-Watt LPS Luminaire.

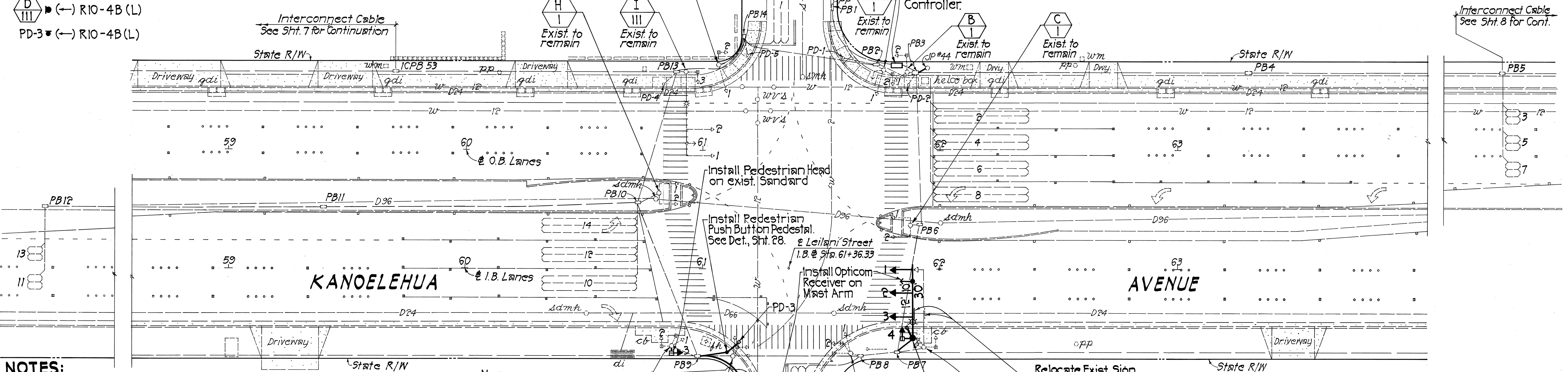
PULLBOX I.D. NO.	TYPE	LOGO
1, 4, 5, 8 & 9	B (Exist.)	Traffic Signal
2, 6, 7, 10 & 11	C (Exist.)	Traffic Signal
ICPB 51	B (Exist.)	Traffic Signal

PULLBOX TABLE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-011-2(32)	1999	23	34

Install Sign

 D III (←) R10-4B (L)
 PD-3 (←) R10-4B (L)



NOTES:

1. Install adhesive Type II Object Markers on pole standards D and F. Install 2 each markers per pole.
2. All traffic signal and pedestrian heads are existing unless otherwise noted.

- | | | |
|-------------|-------------|----------|
| (R) | (R) | (R) |
| (Y) | (Y) | (Y) |
| (G) | (G) | (G) |
| A-1 I | C-2 II | B-1 I |
| I-2 VI | H-1 II | *C-1 III |
| J-1 I | I-1 VI | *H-2 II |
| D-3 VI(New) | D-1 VI(New) | G-1 I |
| E-1 I | D-2 VI(New) | |
| F-1 VI(New) | | |
| F-2 V(New) | | |

*Programmed Visibility Head

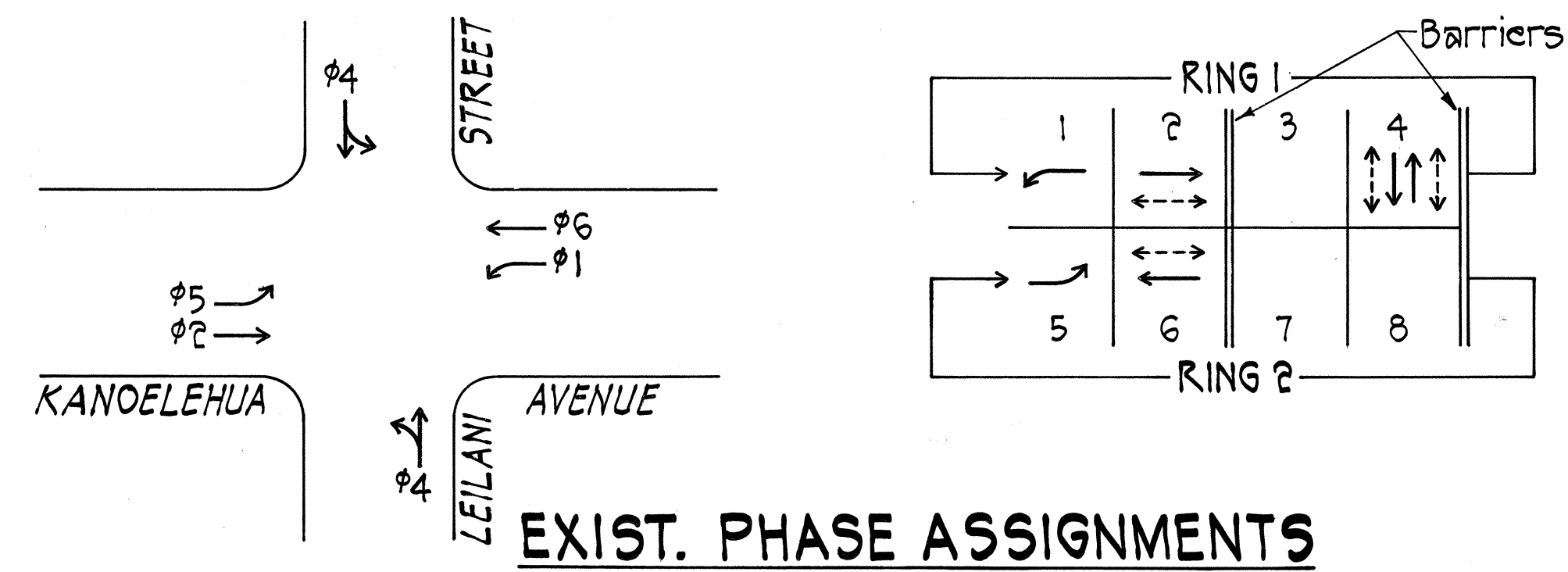
SIGNAL ARRANGEMENT & MOUNTING

LEGEND:

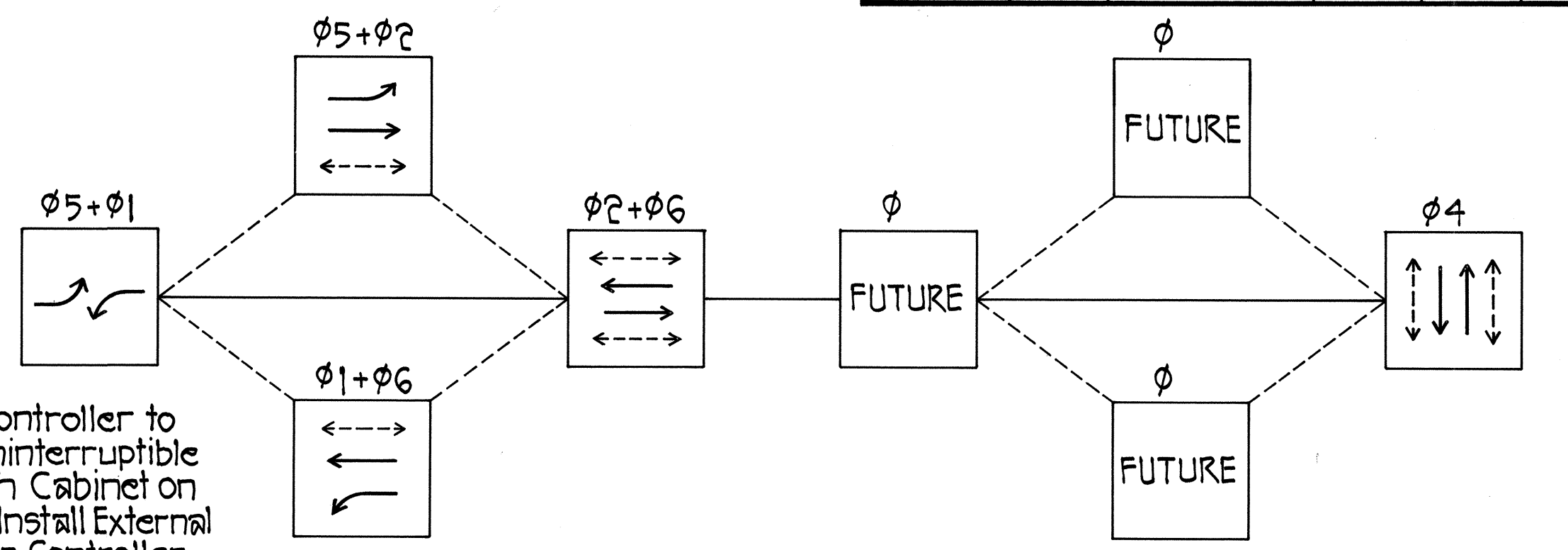
R = Red (Shall be LED Optical Units)
 Y = Yellow (Shall be Incandescent Optical Units)
 G = Green (Shall be LED Optical Units)
 ← = Arrow

Pole I.D.
 Signal Head
 Type of Mount (See Sht. 29 for Details)

TRAFFIC SIGNAL & ELECTRICAL PLAN
 Scale: 1"=20'



EXIST. PHASING DIAGRAM



NOTES (Cont.):

3. Contractor shall remove exist. signal drop cables (Type 5) & pedestrian push button cables (Type 2) for traffic signal standard (C).
4. Contractor shall install new conduits & conductors as called for on Conduit-Cable Table on sheet 24.
5. Plan with existing facilities was furnished by the Dept. of Transportation: F.A. Proj. No. NH-011-2 (24) and F.A. Proj. No. NH-011-2 (33).
6. Contractor shall deliver removed Type 1 Standard & signal heads to County of Hawaii, Dept. of Public Works, Traffic Division Baseyard.
7. See Sheet 34 for Street Lighting Plan.

HAROLD I. YOSHIZAKI
 LICENSED PROFESSIONAL ENGINEER
 No. 2091-G
 HAWAII, U.S.A.
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 HAROLD I. YOSHIZAKI
 1125 12th Avenue
 Honolulu, Hawaii 96815

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
TRAFFIC SIGNAL & ELECTRICAL PLAN AT LEILANI STREET
 KANOELEHUA AVENUE
 TRAFFIC SIGNAL MODERNIZATION
 F.A. PROJ. NO. STP-011-2(32)
 SCALE: AS SHOWN DATE: OCT. 1998
 SHEET No. 1 OF 2 SHEETS

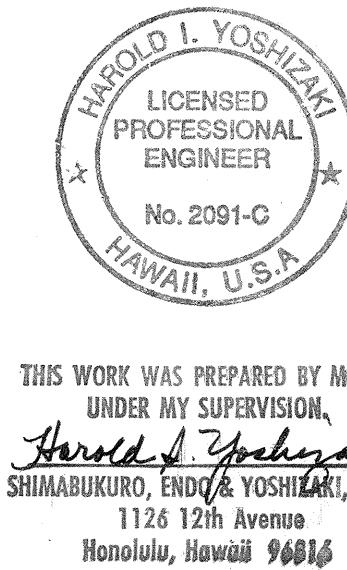
DATE: _____
SURVEY PLOTTED: _____
ORIGINAL PLAN: _____
DRAWN BY: _____
DESIGNED BY: _____
NOTE BOOK: _____
QUANTITIES BY: _____
CHECKED BY: _____
No. _____

		EXISTING CONDUITS AND CONDUCTORS TO REMAIN										INSTALL NEW CONDUCTORS IN EXISTING CONDUITS																		
FROM	TO	MAIN CONTROL		SIGNAL CONTROL		DETECTORS		POWER		STREET LIGHTS		SIGNAL CONTROL		DETECTORS		STREET LIGHTS		OPTICOM		INTERCONNECT		SPARE	FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS		
		CONDUIT	CONDUCTORS	CONDUIT	CONDUCTORS	CONDUIT	CONDUCTORS	CONDUIT	CONDUCTORS	CONDUIT	CONDUCTORS	CONDUIT	CONDUCTORS	CONDUIT	CONDUCTORS	CONDUIT	CONDUCTORS	CONDUIT	CONDUCTORS	CONDUIT	CONDUCTORS	CONDUIT	REMARKS	HAWAII	HAW.	STP-011-2(32)	1999	24	34	
			1-26C #14 1-9C #14																											#14
PP-53	PB1							EX. 2"	1																					
PB1	MAIN							EX. 2"	1																					
MAIN	UPS								2-#4, 1-#4GRD.													EX. 2"								
UPS	CONT.								2-#4, 1-#4GRD.													EX. 2"								
MAIN	PB3									EX. 2"	1																			
CONT.	PB3	2-EX. 2"	1			3-EX. 2"	4	11										EX. 2"	2/2	EX. 2"	2	EX. 2"	EX. 2"							
PB2	PB3	2-EX. 2"	1			2-EX. 2"	2	5			EX. 2"	1						EX. 2"	2	EX. 2"	1	2-EX. 2"								
PB2	PD-1					EX. 2"	1																							
PB2	A			EX. 2"	7													EX. 2"	1											
PB3	PD-2					EX. 2"	1																							
PB3	B			EX. 2"	7																									
PB3	PB4					EX. 2"		1													EX. 2"	1	2-EX. 2"							
PB4	PB5					EX. 2"		1													EX. 2"	1	2-EX. 2"							
PB3	PB6	2-EX. 2"	1			2-EX. 2"	2	1								EX. 2"	1	EX. 2"	2			EX. 2"								
PB6	C			EX. 2"	8	EX. 2"	1																							
PB2	PB14	2-EX. 2"	1			2-EX. 2"	2	5			EX. 2"	1						EX. 2"	1	EX. 2"	1	2-EX. 2"								
PB14	PD-5					EX. 2"	1																							
PB14	J			EX. 2"	7																									
PB13	PB14	2-EX. 2"	1			2-EX. 2"	1	4			EX. 2"	1						EX. 2"	1	EX. 2"	1	EX. 2"								
PB13	PD-4					EX. 2"	1																							
PB13	I			EX. 2"	11						EX. 2"	1						EX. 2"	1											
PB13	ICPB51																				EX. 2"	1	2-EX. 2"							
PB13	PB10	2-EX. 2"	1			2-EX. 2"	1	4			EX. 2"	1										EX. 2"								
PB10	H			EX. 2"	8	EX. 2"	1																							
PB10	PB11					EX. 2"	1																							
PB11	PB12					EX. 2"	1																							
PB8	PB7	2-EX. 2"	1					1										EX. 2"	1			EX. 2"								
PB7	PB6	2-EX. 2"	1					1									EX. 2"	1	EX. 2"	2										
PB5	PB5A					EX. 2"		1													EX. 2"	1	EX. 2"							
PB5A	ICPB52																				EX. 2"	1	2-EX. 2"							
PB8	PB9	2-EX. 2"	1															EX. 2"	1			EX. 2"								
PB9	G											EX. 2"	10		1															
PB9	PB10	2-EX. 2"	1																											

LEGEND: ● New Conduit 2-EX. 2" Number of Existing 2" Conduits E New improvements are indicated with vertical and bold lettering. (New Traffic Signal Standard "E")
2● Number of New Conduits PB7 Existing improvements are indicated with slant lettering. (Existing Pullbox 7)
EX. 2" Existing 2" Conduit

NOTES: 1. Install 1-9 Cond. #14 or 1-26 Cond. #14 from pullbox to bottom of traffic signal standard, as required.
2. Install #14 conductors (color coded) as indicated on table from bottom of traffic signal standard to traffic and pedestrian signal heads.

INSTALL NEW CONDUITS AND CONDUCTORS														
FROM	TO	SIGNAL CONTROL			DETECTORS			STREET LIGHTS		OPTICOM		TELEPHONE		REMARKS
		CONDUIT 2"	CONDUCTORS		CONDUIT 2"	CONDUCTORS		CONDUIT 2"	CONDUCTORS		CONDUIT 2"	CONDUCTORS		
			SEE NOTE 1	SEE NOTE 2		2C - #14			3C - #20 1 - #20 GRD.					
						PED.	VEH.		1 - #10 GRD.					
PB7	D	●	1	13	●	1		●	1	●	1			Install street light cables in conduit for detector cables.
PB9	PD-3				●	1								
PB9	F	●	1	7						●	1			
PB3	JP#44											●	By TEL. Co.	Riser, weatherhead & conduit per Tel. Co. requirements.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
CONDUIT-CABLE TABLE
AT LEILANI STREET
KANOELEHUA AVENUE
TRAFFIC SIGNAL MODERNIZATION
F.A. PROJ. NO. STP-011-2(32)
SCALE: AS SHOWN DATE: OCT. 1998
SHEET No. 2 OF 2 SHEETS