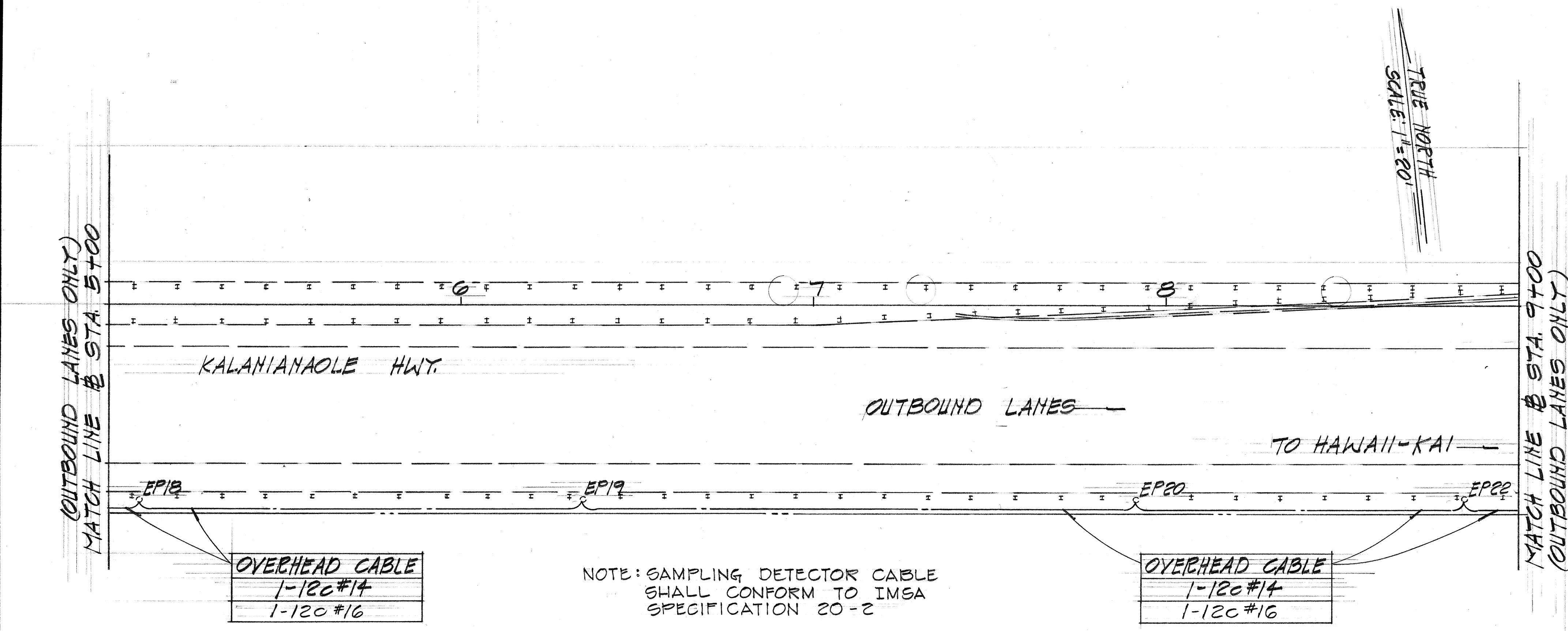
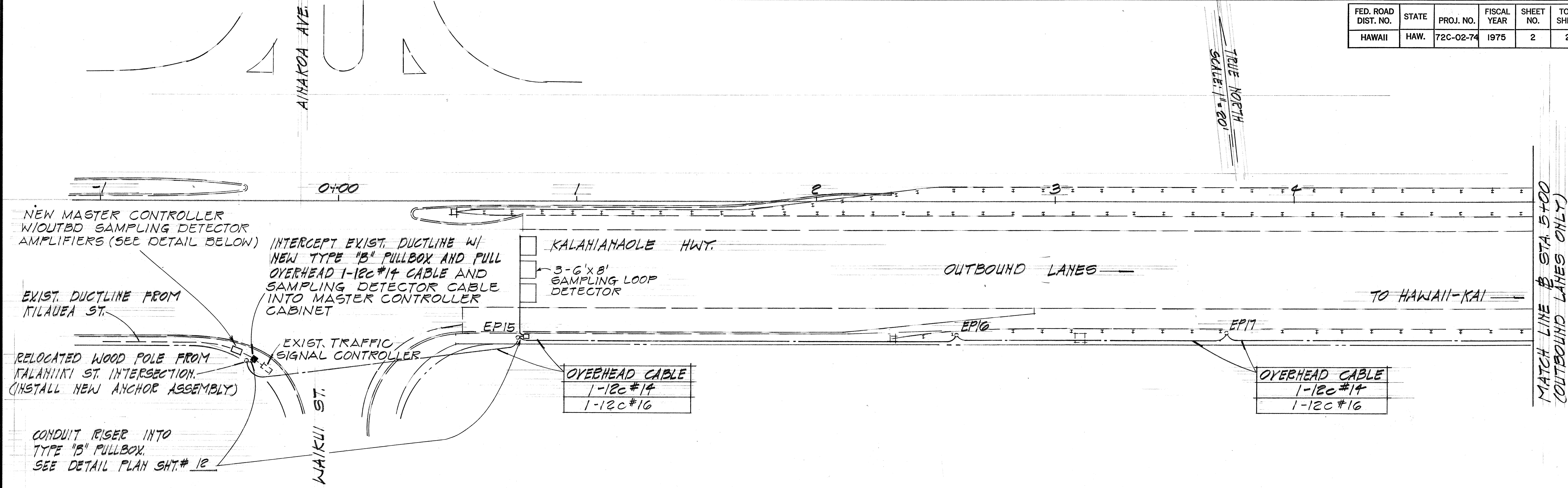
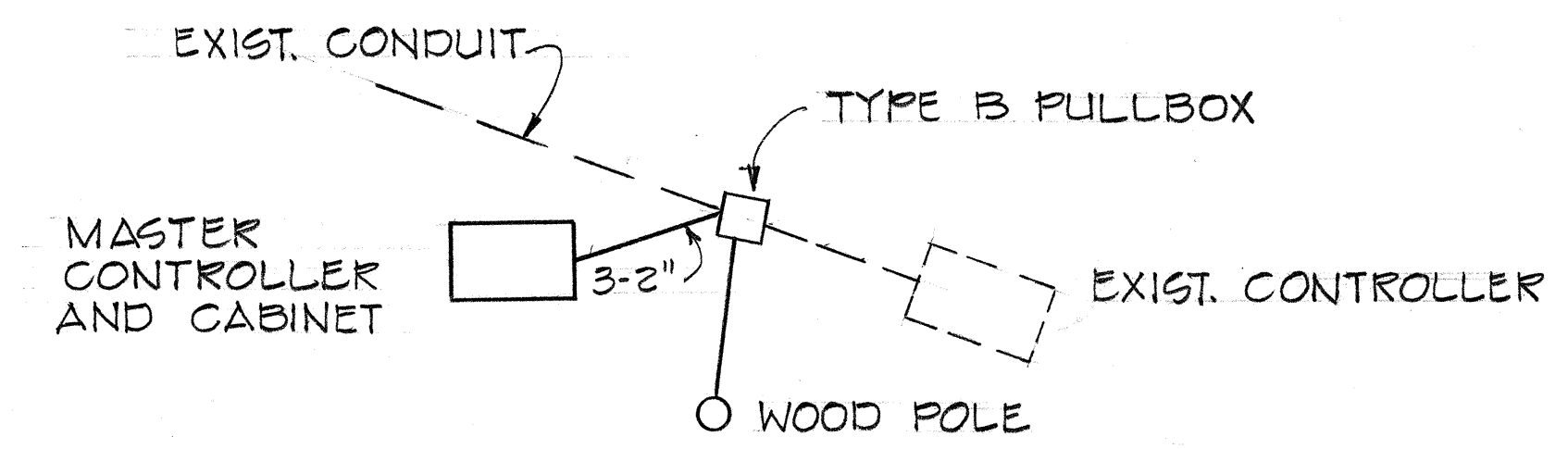


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-02-74	1975	2	23



NOTE: SAMPLING DETECTOR CABLE SHALL CONFORM TO IMSA SPECIFICATION 20-2



DETAIL OF MASTER CONTROLLER
N.T.S.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KALANIANA'OLE HWY.
(BET. AIHAKOA AVE. & KALANIIKI ST.)

KALANIANA'OLE HWY. TRAFFIC SIGNALS
PROJ. No. 72C-02-74

SCALE: AS SHOWN DATE: JAN. 1975

SHEET NO. 1 OF 8 SHEETS

8/6/75	Added Master Controller Sampling Detectors & Cable
DATE	REVISION

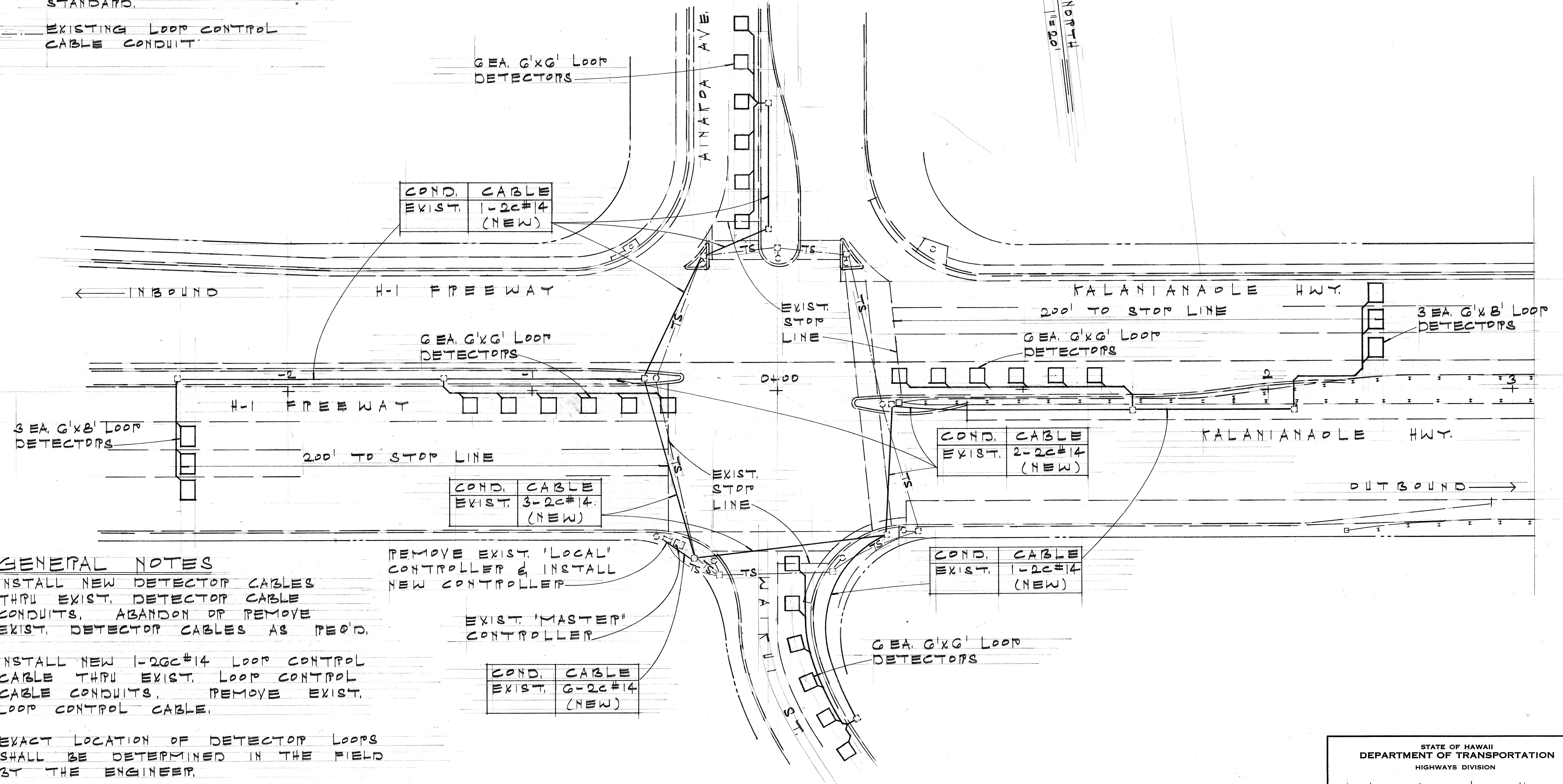
ORIGINAL PLAN	DATE
DESIGNED BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-072-1(26)	1976	C.O.2 S-1	23

LEGEND

- EXISTING PULLBOX
 ○ EXISTING TRAFFIC SIGNAL STANDARD
 TS EXISTING LOOP CONTROL CABLE CONDUIT

TRUE NORTH
SCALE: 1"=20'



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

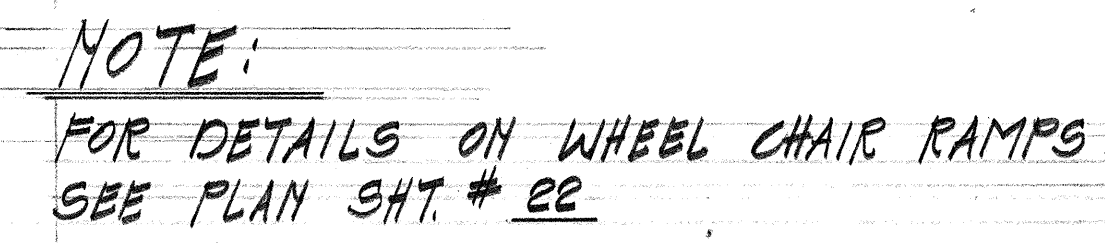
**KALANIANAʻOLE HWY.
AT AIEA AVE.**

KALANIANAʻOLE HWY. TRAFFIC SIGNALS
PROJ. NO. U-072-1(26)
SCALE: AS SHOWN AUG. 1976

SHEET NO. OF SHEETS

C.O.2 S-1

SCALE: 1" = 20'



SHEET No. 3 OF 8 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-02-74	1975	5	23

OUTBOUND LANES ONLY)
MATCH LINE @ STA. 15+00

KALANIANA'OLE HWY.

OUTBOUND LANES

TO HAWAII-KAI

MATCH LINE @ STA. 19+00
(OUTBOUND LANES ONLY)

OVERHEAD CABLE
1-12c #14
1-12c #16

OVERHEAD CABLE
1-12c #14
1-12c #16

IKI PLACE

EXISTING BOX CULVERT

INSTALL NEW TYPE 3 GUARD RAIL
(FOR NEW & EXIST. GUARD RAIL POST MOUNTING
DETAILS ON EXIST. BOX CULVERT, SEE PLAN SHT #13)

PRESERVE EXIST. CITY & COUNTY STREET SURVEY MONUMENT.
SAWCUT 1' SQ. AROUND C&C MONUMENT & DEMOLISH REMAINING
CONCRETE MEDIAN WALKWAY. COSTS SHALL BE INCIDENTAL
TO GUARD RAIL INSTALLATION.

NOTE:
BEFORE REMOVING CROSSWALKS & INSTALLING
GUARD RAILS, THE CONTRACTOR SHALL GIVE
ONE WEEK PRIOR NOTICE TO THE CITY & COUNTY
OF HONOLULU, DEPARTMENT OF TRANSPORTATION
SERVICES, MASS TRANSIT DIVISION. COORDINATE
WORK WITH MR. MARK KANESHIRO, PH. 540-7581.
THE MASS TRANSIT DIVISION WILL RELOCATE
"BUS STOP" SIGNS.

OUTBOUND LANES ONLY)
MATCH LINE @ STA. 19+00

KALANIANA'OLE HWY.

OUTBOUND LANES

TO HAWAII-KAI

MATCH LINE @ STA. 23+00
(OUTBOUND LANES ONLY)

OVERHEAD CABLE
1-12c #14
1-12c #16

OVERHEAD CABLE
1-12c #14
1-12c #16

REMOVE EXIST. GUARD RAIL W/ MEDIAN
NOSE & STOCKPILE AS DIRECTED BY THE
ENGINEER. COSTS SHALL BE INCIDENTAL
TO GUARD RAIL INSTALLATION.

REMOVE EXIST. CROSSWALKS, STOP LINES &
CHANNELIZING LANE LINES & RESTRIPE
ROADWAY TO TIE INTO EXIST. STRIPING
PATTERN (BETWEEN @ STA. 19+50± & 21+50±).
SEE DETAIL FOR DIVIDED HIGHWAY LANE
LINES, SHT. DT 300.

TRUE NORTH
SCALE: 1"=20'

TRUE NORTH
SCALE: 1"=20'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KALANIANA'OLE HWY.
(BET. KALANIKI ST. & LAUKAH ST.)

KALANIANA'OLE HWY. TRAFFIC SIGNALS

PROJ. NO. 72C-02-74

SCALE: AS SHOWN DATE: JAN. 1975

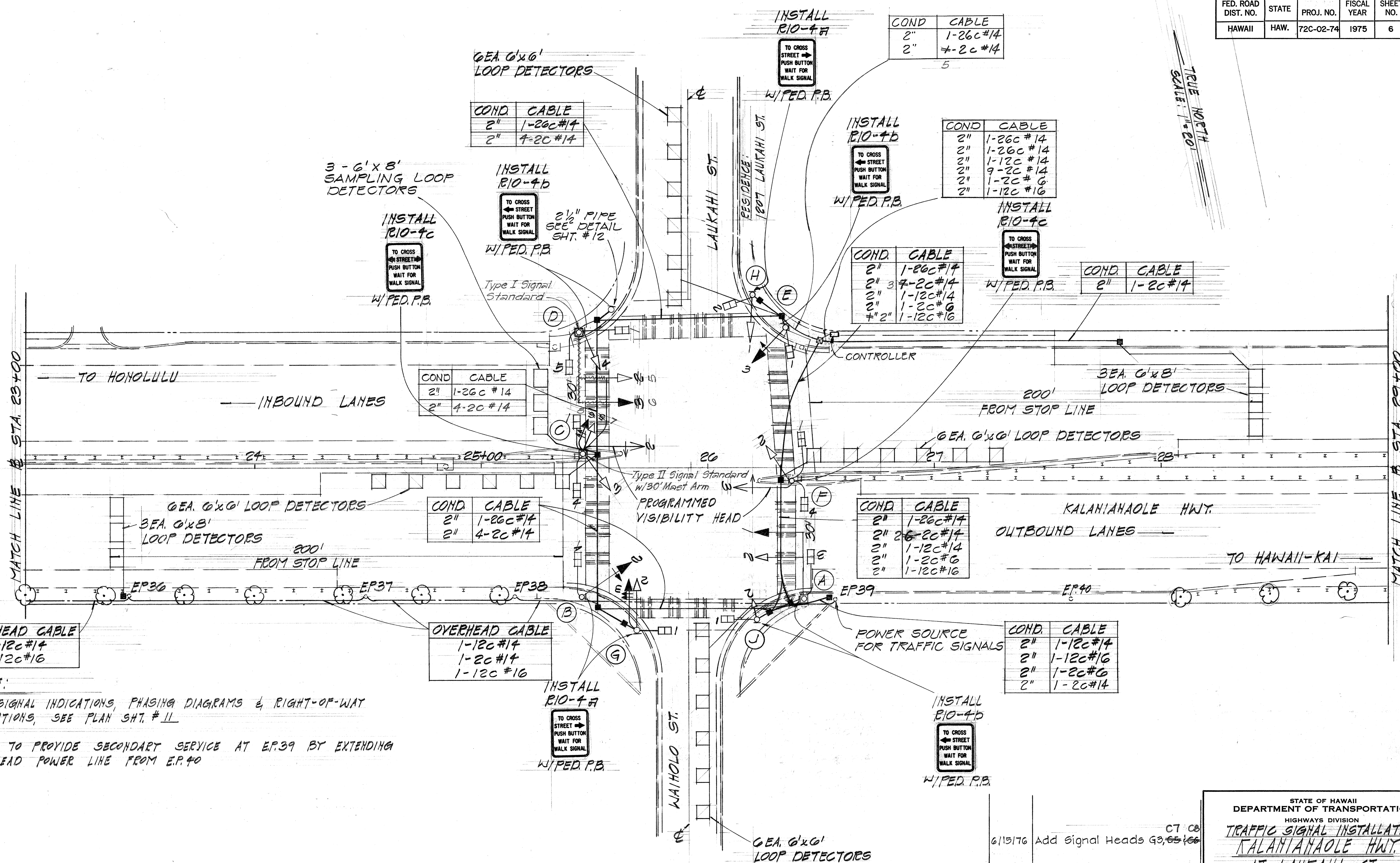
SHEET NO. 4 OF 8 SHEETS

8/6/75 Added 12c #16 Sampling
Detector Cable

DATE REVISION

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-02-74	1975	6	23

TRUE NORTH
SCALE: 1"=20'



OVERHEAD CABLE
1-12c#14
1-12c#16

OVERHEAD CABLE
1-12c#14
1-2c#14
1-12c#16

COND.	CABLE
2"	1-12c#14
2"	1-12c#16
2"	1-2c#6
2"	1-2c#14

- NOTE:**
- FOR SIGNAL INDICATIONS, PHASING DIAGRAMS & RIGHT-OF-WAY INDICATIONS, SEE PLAN SHT. #11
 - HECO TO PROVIDE SECONDARY SERVICE AT EP.39 BY EXTENDING OVERHEAD POWER LINE FROM EP.40

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

TRAFFIC SIGNAL INSTALLATION

KALANIANAʻOLE HWY.

AT LAUKAHI ST.

KALANIANAʻOLE HWY. TRAFFIC SIGNALS

PROJ. No. 72C-02-74

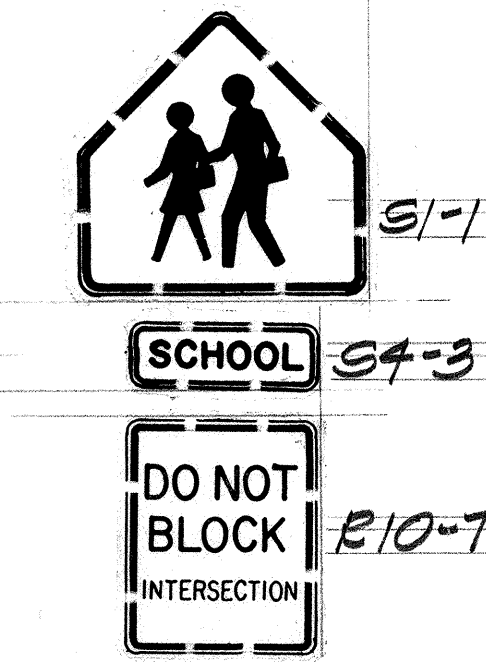
SCALE: AS SHOWN DATE: JAN. 1975

DATE	REVISION
6/13/76	Add Signal Heads G3, G4, G5
8/6/75	Added Stds. G.H.J. Relocate Signals & Controller Added Inbound Sampling Detectors Added Additional Conduits

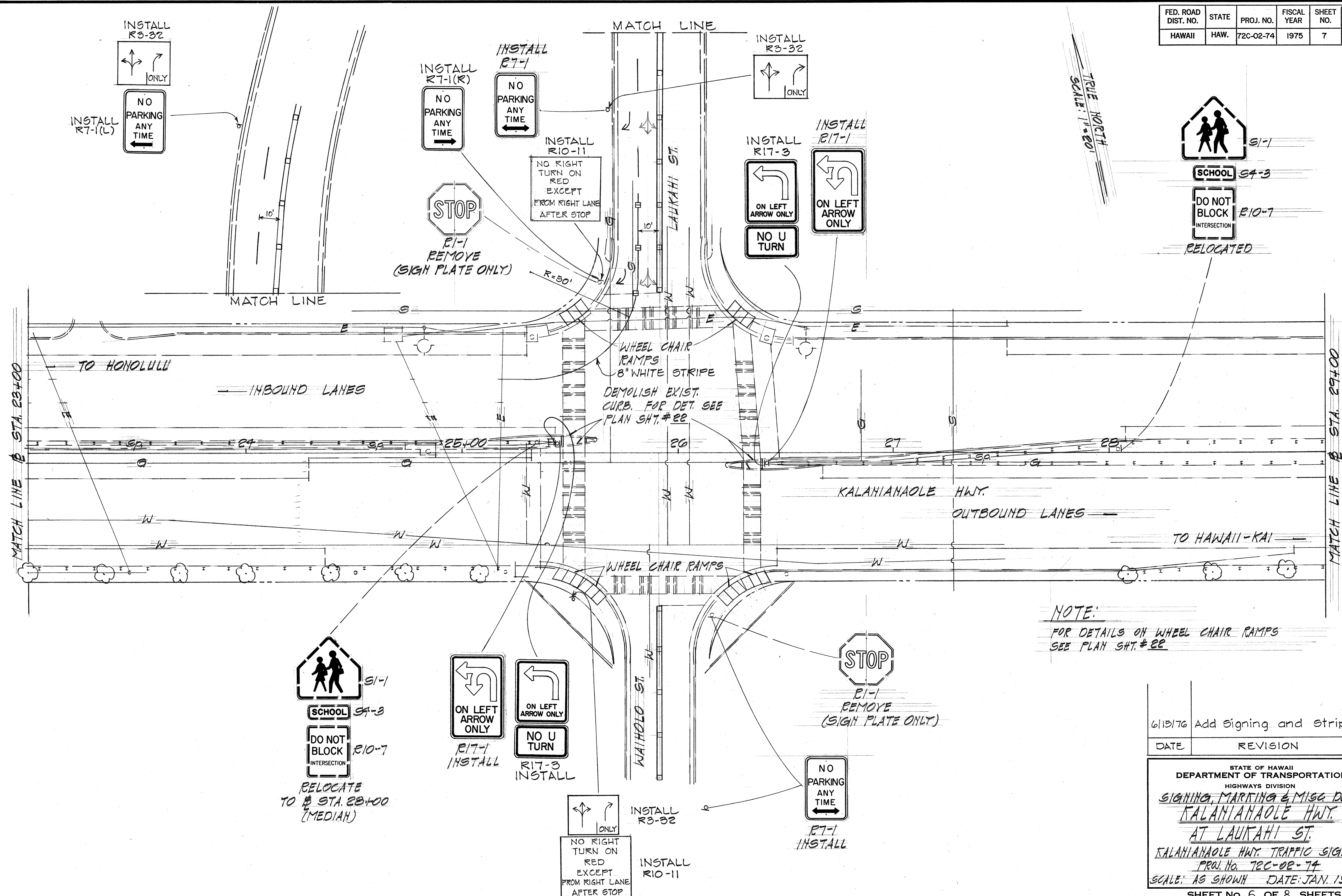
SHEET No. 5 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-02-74	1975	7	23

TRUE NORTH
SCALE: 1"=20'



RELOCATED



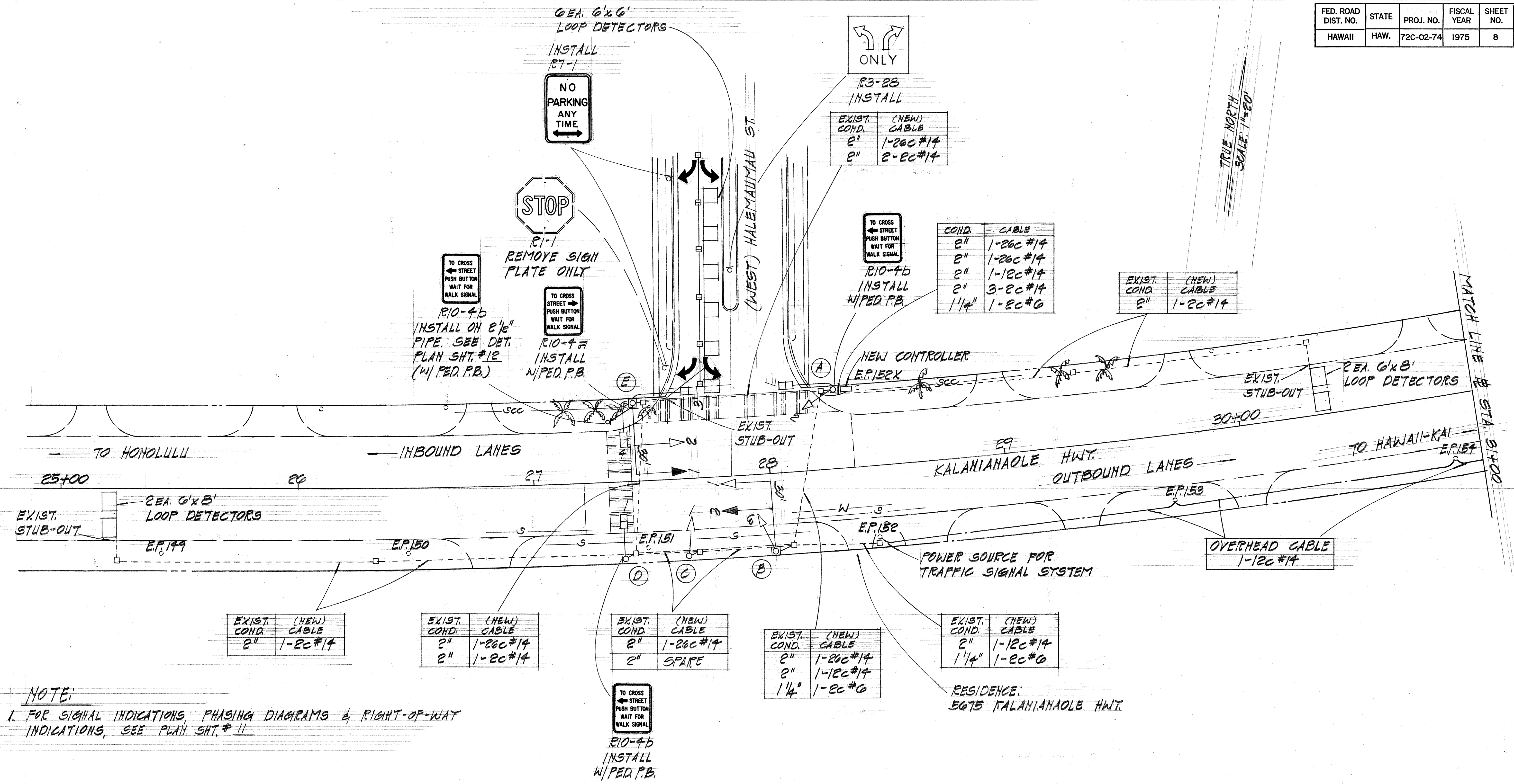
NOTE:
FOR DETAILS ON WHEEL CHAIR RAMPS
SEE PLAN SHT. #22

6/15/76	Add Signing and Striping
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
SIGNING, MARKING & MISC. DET.
KALANIANA'OLE HWY.
AT LAUKAHI ST.
KALANIANA'OLE HWY. TRAFFIC SIGNALS
PROJ. NO. 72C-02-74
SCALE: AS SHOWN DATE: JAN. 1975
SHEET No. 6 OF 8 SHEETS

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

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-02-74	1975	8	23



NOTE:
 1. FOR SIGNAL INDICATIONS, PHASING DIAGRAMS & RIGHT-OF-WAY INDICATIONS, SEE PLAN SHT. # 11

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

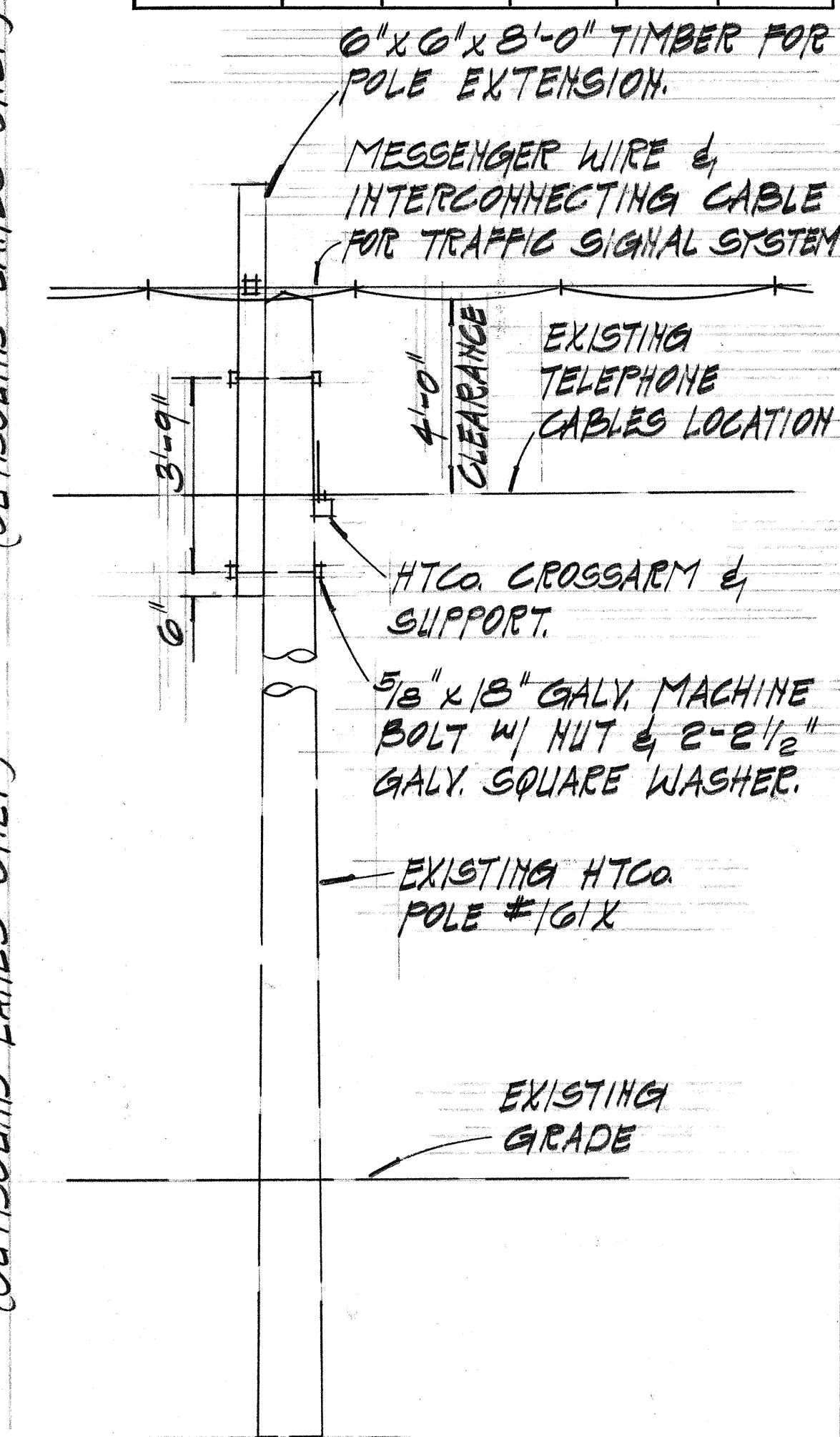
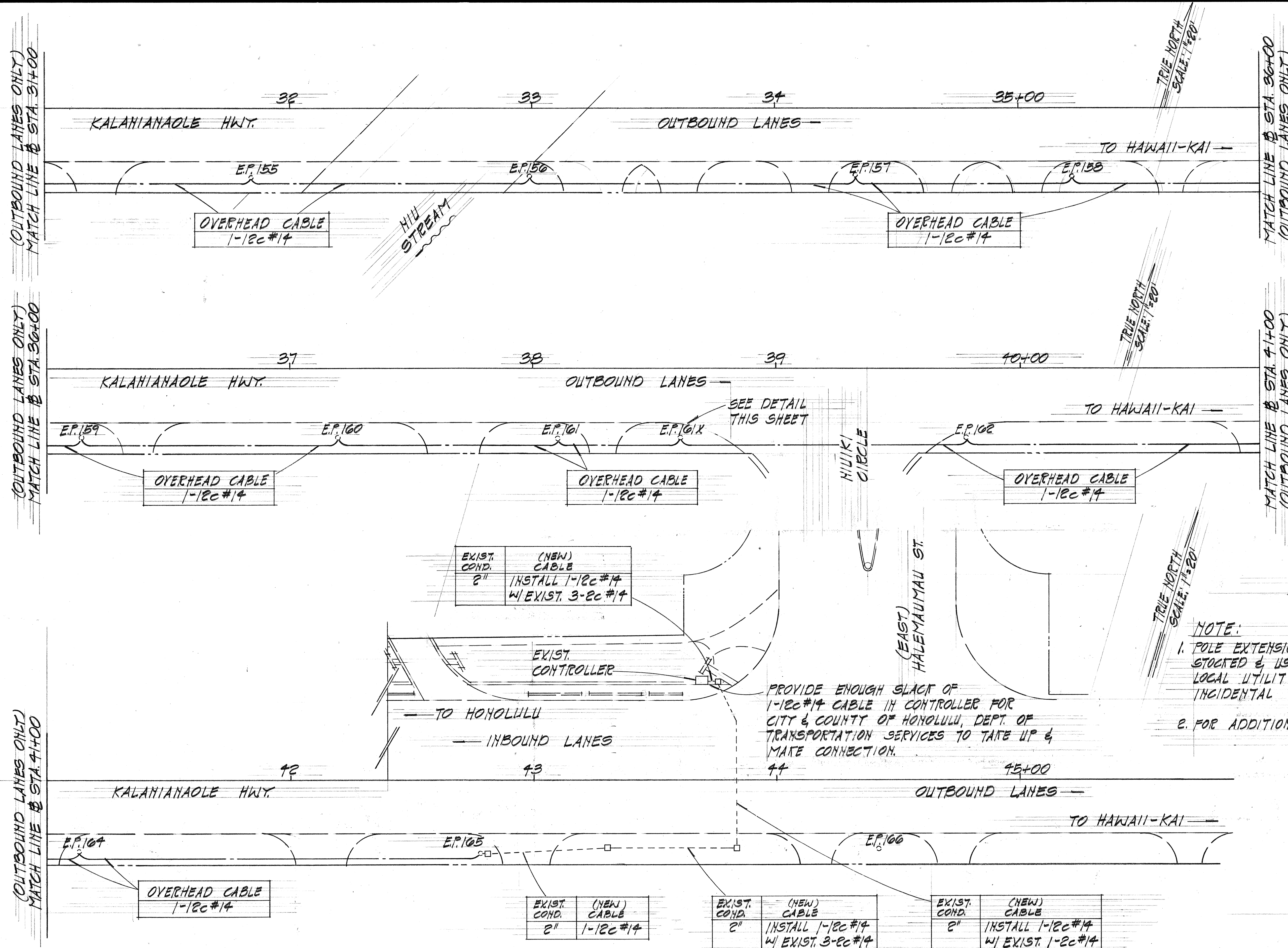
8/6/75	Added Signal A-2
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC SIGNAL INSTALLATION
KALANIANAʻŌLE HWY.
AT WEST HALEMAU MAU ST.
KALANIANAʻŌLE HWY. TRAFFIC SIGNALS
PROJ. No. 72C-02-74
SCALE: AS SHOWN DATE: JAN. 1975

SHEET No. 7 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	72C-02-74	1975	9	23



DETAIL FOR HTCo POLE #161X
NOT TO SCALE

NOTE:

1. POLE EXTENSIONS SHALL BE OF THE TYPE NORMALLY STOCKED & USED FOR SIMILAR PURPOSE BY THE LOCAL UTILITY COMPANIES. ALL COSTS TO BE INCIDENTAL TO ITEM FOR INTERCONNECTING CABLE.
2. FOR ADDITIONAL DETAILS, SEE PLAN SHT. #12

PROVIDE ENOUGH SLACK OF 1-12c #14 CABLE IN CONTROLLER FOR CITY & COUNTY OF HONOLULU, DEPT. OF TRANSPORTATION SERVICES TO TAKE UP & MAKE CONNECTION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KALANIANAʻOLE HWY.
(BET. W. HALEMAUMAU & E. HALEMAUMAU)

KALANIANAʻOLE HWY. TRAFFIC SIGNALS
PROJ. NO. 72C-02-74
SCALE: AS SHOWN DATE: JAN. 1975

SHEET No. 8 OF 8 SHEETS

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