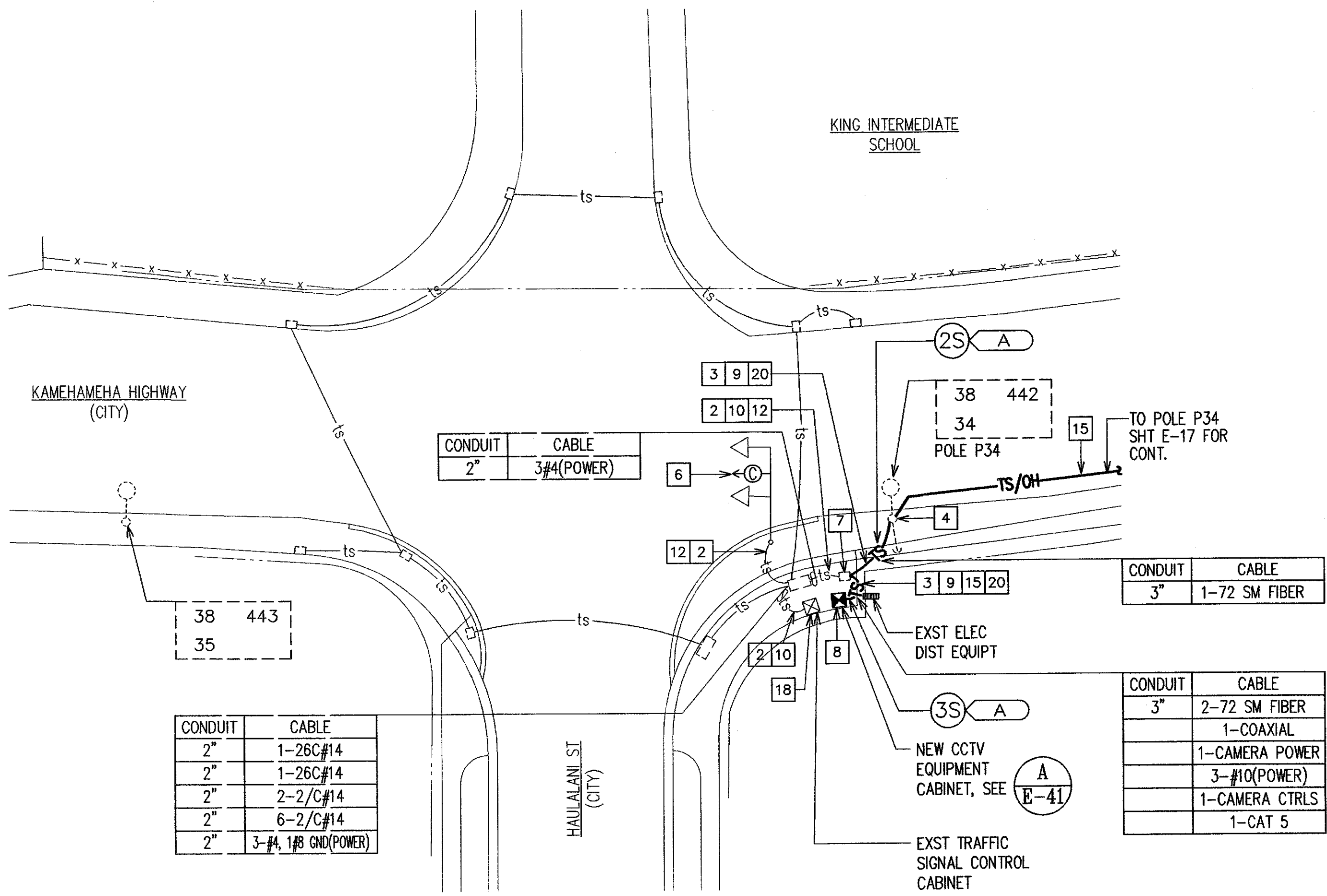
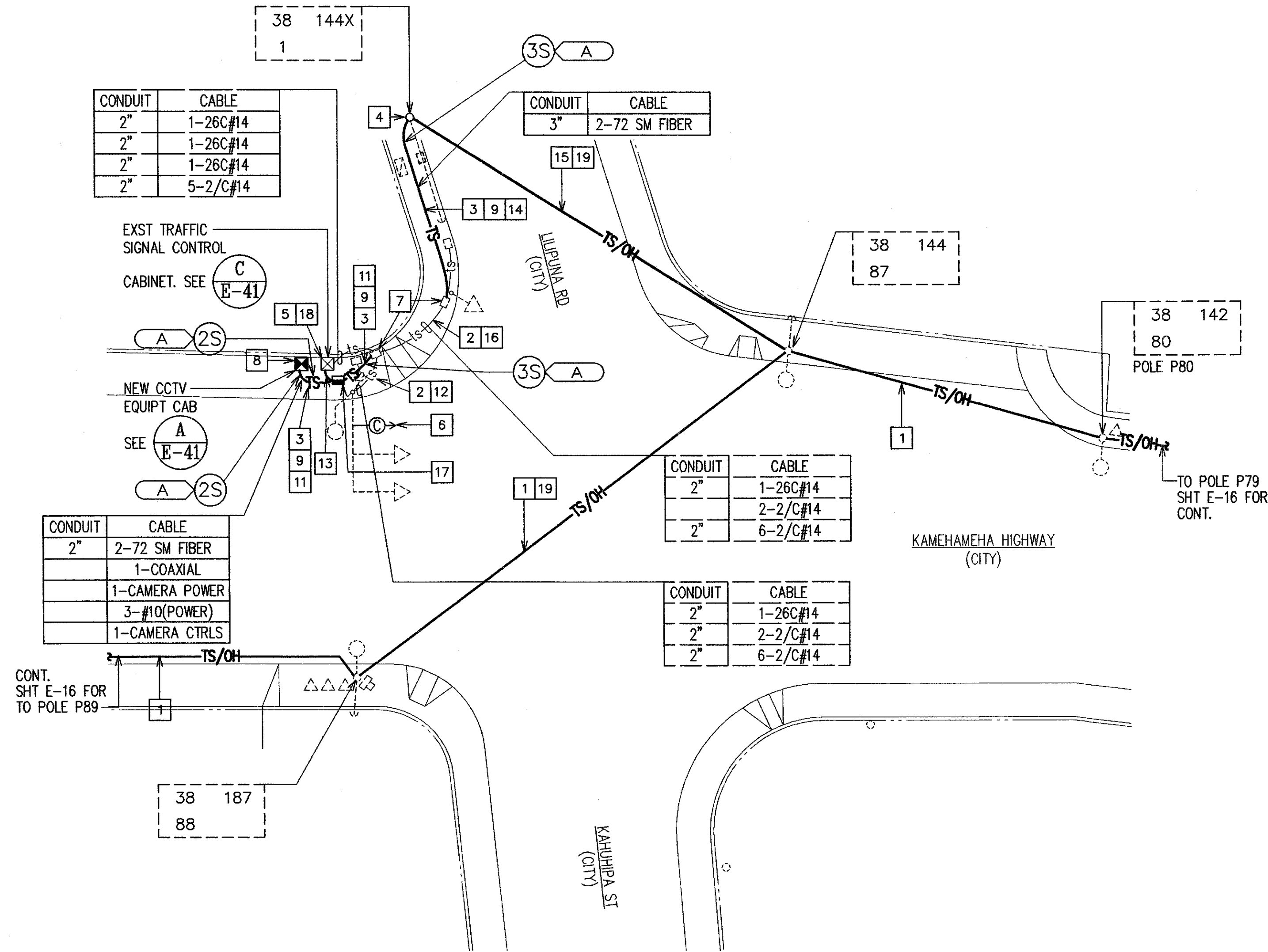


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0001 (30)	2007	33	89



KAMEHAMEHA HWY/LILIPUNA ST INTERSECTION CCTV PLAN
SCALE: 1"=20'

KAMEHAMEHA HWY/HAULALANI ST INTERSECTION CCTV PLAN
SCALE: 1"=20'

ITEMS OF WORK:

- 1

NEW OVERHEAD FIBER OPTIC CABLE INSTALLED ON EXISTING HECO POLES. PROVIDE 3/16" EXTRA HIGH STRENGTH STEEL MESSENGER, 1800 LBS TENSION, BETWEEN EXISTING HECO POLES. LASH 72-STRAND FIBER OPTIC SINGLE MODE CABLE TO MESSENGER. SEE DETAIL B/E-42.
- 2

PROVIDE NEW TRAFFIC CONTROL WIRING IN EXISTING TRAFFIC SIGNAL CONDUIT. TYPE AS INDICATED.
- 3

NEW UNDERGROUND TRAFFIC CONTROL RACEWAY AND WIRING. 2" CONDUIT, WIRING AS INDICATED.
- 4

NEW FIBER OPTIC CABLE RISER AT EXISTING HECO POLE. PROVIDE 2" PVC CONDUIT RISER AT POLE, FROM FINISHED GRADE TO 30" BELOW CONNECTION POINT. SEAL AROUND CABLE AT END OF RISER. SEE DETAIL C/E-42.
- 5

PENETRATE EXISTING TRAFFIC SIGNAL CONTROLLER CABINET FOR THE INSTALLATION OF NEW CONDUIT.
- 6

PROVIDE NEW CAMERA ON EXISTING MAST ARM. SEE DETAIL A/E-42 FOR MOUNTING.
- 7

BREAK AND PATCH EXISTING TRAFFIC SIGNAL PULLBOX FOR INSTALLATION OF NEW CONDUIT.
- 8

NEW VIDEO EQUIPMENT CABINET. LOCATE MINIMUM OF 4'-0" FROM EXISTING TRAFFIC SIGNAL CONTROL CABINET.
- 9

SAWCUT AND PATCH SIDEWALK FOR CONDUIT INSTALLATION.
- 10

PROVIDE 2#10, 1#10 GROUND FOR NEW CCTV EQUIPMENT CABINET, AND ONE CAT 5 CABLE, IN EXISTING CONDUIT.
- 11

PROVIDE CCTV POWER CABLE, CCTV CONTROL CABLES, COAXIAL VIDEO CABLE, AND TWO 72-STRAND FIBER OPTIC CABLES IN NEW CONDUIT.
- 12

INSTALL NEW POWER CABLE AND COAXIAL VIDEO CABLE IN EXISTING CONDUIT. CONTRACTOR TO COORDINATE WITH DTS TRAFFIC SIGNAL AND TECHNOLOGY DIVISION, ANY INTERRUPTION TO THE EXISTING TRAFFIC SIGNAL SYSTEM. SEE TRAFFIC CONTROL PLANS.
- 13

PROVIDE 2#10, 1#10 GROUND FOR NEW CCTV EQUIPMENT CABINET, IN NEW 2" CONDUIT.
- 14

3"C, 3-1" INNER DUCT. PROVIDE TWO 72-STRAND, SINGLE MODE CABLE. PROVIDE PULLWIRE THROUGH UNUSED INNER DUCTS.
- 15

3/16" EXTRA HIGH STRENGTH STEEL MESSENGER, 1800 LBS TENSION. LASH TWO 72-STRAND FIBER OPTIC SINGLE MODE CABLES TO MESSENGER.
- 16

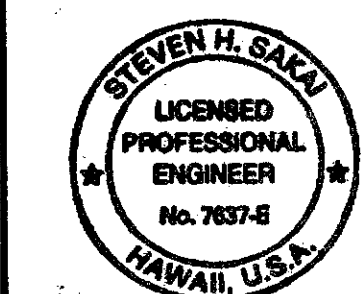
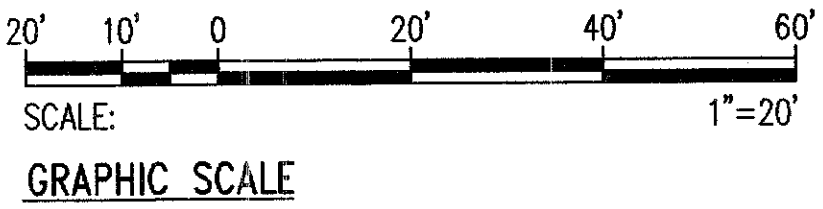
INSTALL TWO NEW 72-STRAND FIBER OPTIC CABLE IN EXISTING CONDUIT. CONTRACTOR TO COORDINATE WITH DTS TRAFFIC SIGNAL AND TECHNOLOGY DIVISION, ANY INTERRUPTION TO THE EXISTING TRAFFIC SIGNAL SYSTEM. SEE TRAFFIC CONTROL PLANS.
- 17

NEW TYPE B TRAFFIC CONTROL PULLBOX, SEE DETAIL B/E-40.
- 18

EXISTING TRAFFIC SIGNAL CONTROL CABINET. CONNECT TO EXISTING POWER CIRCUIT AND EXTEND TO NEW CCTV EQUIPMENT CABINET.
- 19

PROVIDE 18' MINIMUM CLEARANCE FROM THE ROADWAY SURFACE TO THE LOWEST POINT OF THE INSTALLED FIBER OPTIC CABLE.
- 20

PROVIDE CCTV POWER CABLE, CCTV CONTROL CABLES, COAXIAL VIDEO CABLE, ONE CAT 5 CABLE, AND TWO 72-STRAND FIBER OPTIC CABLES IN NEW CONDUIT.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
DATE: 4/30/08
LIC. EXPIRATION: 4/30/08

REVISION	DATE	BRIEF	BY	APPROVED
DEPARTMENT OF TRANSPORTATION SERVICES CITY AND COUNTY OF HONOLULU FEDERAL AID NO. STP-0001(30) COMPUTERIZED TRAFFIC CONTROL SYSTEM PHASE 9				
KAMEHAMEHA HWY/LILIPUNA ST AND KAMEHAMEHA HWY/HAULALANI ST INTERSECTION CCTV PLANS				
ENGINEER	GTN	DATE	MARCH 2007	
DRAFTSMAN	SS	SCALE	AS NOTED	
APPROVED:		REF:		
DIRECTOR		DIVISION ENGINEER		