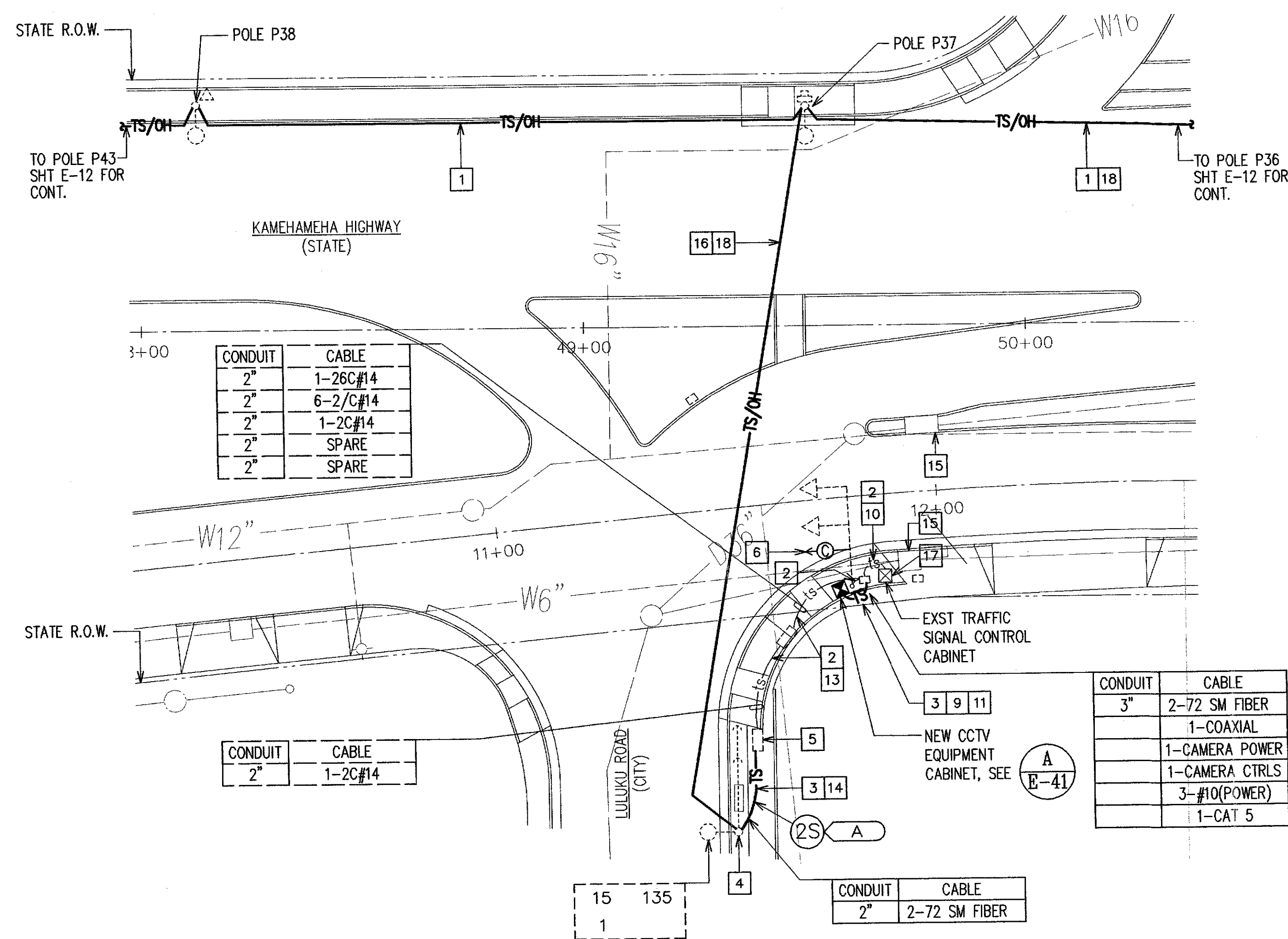


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0001 (30)	2007	30	89



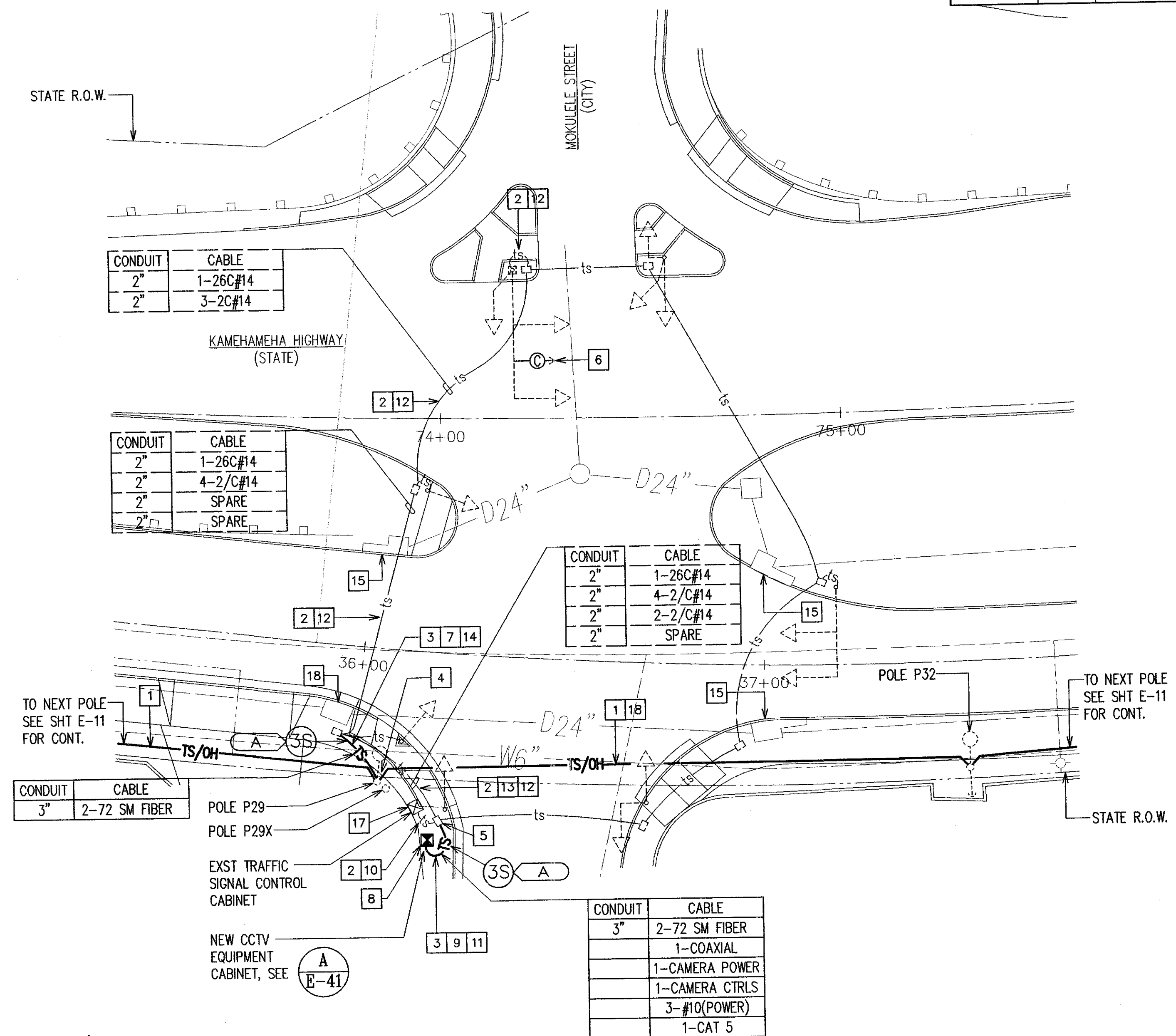
KAMEHAMEHA HWY/LULUKU ROAD INTERSECTION CCTV PLAN

SCALE: 1"=20'

ITEMS OF WORK:

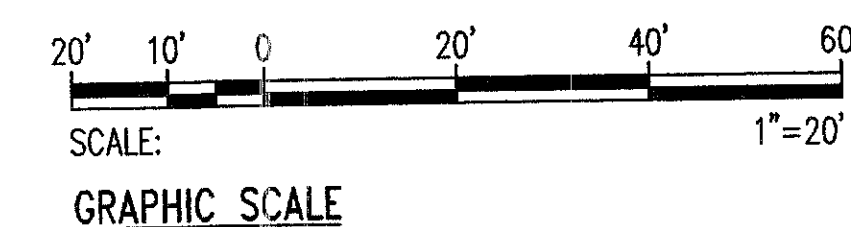
- 1 NEW OVERHEAD FIBER OPTIC CABLE INSTALLED ON EXISTING HECO POLES. PROVIDE 3/16" EXTRA HIGH STRENGTH STEEL MESSENGER, 1800 LBS TENSION. BETWEEN EXISTING HECO POLES. LASH 72-STRAND FIBER OPTIC SINGLE MODE CABLE TO MESSENGER. SEE DETAIL B/E-42.
- 2 PROVIDE NEW TRAFFIC CONTROL WIRING IN EXISTING TRAFFIC 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 3" GRS 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 BREAK AND PATCH EXISTING TRAFFIC SIGNAL PULLBOX FOR INSTALLATION OF NEW CONDUIT.
- 6 PROVIDE NEW CAMERA ON EXISTING MAST ARM. SEE DETAIL A/E-42 FOR MOUNTING.
- 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 POWER, AND ONE CAT 5 CABLE, IN EXISTING CONDUIT.
- 11 NEW 2"C, PROVIDE CCTV POWER CABLE, CCTV CONTROL CABLE, COAXIAL VIDEO CABLE AND TWO 72-STRAND FIBER OPTIC CABLES.
- 12 INSTALL NEW CCTV POWER CABLE, CCTV CONTROL 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 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.

- 14 3"C, 3-1" INNER DUCT. PROVIDE TWO 72-STRAND, SINGLE MODE CABLE. PROVIDE PULLWIRE THROUGH UNUSED INNER DUCTS.
- 15 EXISTING STORM DRAIN. CONTRACTOR TO OBSERVE BEST MANAGEMENT PRACTICES AND TAKE MEASURES AS REQUIRED.
- 16 3/16" EXTRA HIGH STRENGTH STEEL MESSENGER, 1800 LBS TENSION. LASH TWO 72-STRAND FIBER OPTIC SINGLE MODE CABLES TO MESSENGER.
- 17 EXISTING TRAFFIC SIGNAL CONTROL CABINET. CONNECT TO EXISTING POWER CIRCUIT AND EXTEND TO NEW CCTV EQUIPMENT CABINET.
- 18 PROVIDE 18" MINIMUM CLEARANCE FROM THE ROADWAY SURFACE TO THE LOWEST POINT OF THE INSTALLED FIBER OPTIC CABLE.



KAMEHAMEHA HWY/MOKULELE STREET INTERSECTION CCTV PLAN

SCALE: 1"=20'



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/LULUKU ROAD AND
KAMEHAMEHA HWY/MOKULELE STREET INTERSECTION CCTV PLANS

ENGINEER: GTN DATE: MARCH 2007
DRAFTSMAN: SS SCALE: AS NOTED
CHK. BY: SS REF:
APPROVED:
DIRECTOR: DIVISION ENGINEER

STEVEN H. SALAS
LICENSED PROFESSIONAL ENGINEER
No. 7537-E
HAWAII, U.S.A.

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