GENERAL NOTES FOR TRAFFIC CONTROL PLAN

- THE CONTRACTOR SHALL OBTAIN PERMITS FROM THE STATE HIGHWAYS DIVISION, OAHU DISTRICT OFFICE 5 DAYS PRIOR TO COMMENCING WORK.
- 2. ALL PROTECTIVE FACILITIES AND PRECAUTIONS TO BE TAKEN SHALL CONFORM WITH THE "HAWAII ADMINISTRATION RULES GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREETS AND HIGHWAYS" ADOPTED BY THE DIRECTOR OF TRANSPORTATION AND CURRENT U.S. FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, PART VI, TRAFFIC CONTROLS FOR STREET AND HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS."
- 3. THE CONTRACTOR SHALL NOT WORK ON WEEKENDS OR HOLIDAYS, UNLESS SPECIFICALLY AUTHORIZED BY THE ENGINEER IN WRITING.
- 4. THE CONTRACTOR SHALL CHECK AND MAINTAIN THE TRAFFIC CONTROL DEVICES PERIODICALLY DURING WORKING HOURS AT NO ADDITIONAL COST TO THE STATE.
- 5. TRAFFIC CONES SHALL BE 18 INCHES (MINIMUM) HIGH.
- 6. ALL TRAFFIC CONTROL SIGNS AND DEVICES INCLUDING BARRICADES, ARROW BOARDS, TRAFFIC CONES AND OTHER APPROPRIATE TRAFFIC CONTROL APPURTENANCES SHALL BE VERIFIED AND APPROVED BY THE ENGINEER PRIOR TO THE ISSUANCES OF THE PUBLIC NOTICE FOR THE LIGHTING WORK AND DETOUR.
- 7. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS AT INTERSECTIONS, DRIVEWAYS, BRIDGES, STRUCTURES, ETC., TO FIT FIELD CONDITIONS.
- 8. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SUCH THAT THE SIGN OR DEVICES FARTHEST FROM THE WORK AREA SHALL BE PLACED FIRST. THE OTHERS SHALL THEN BE PLACED PROGRESSIVELY TOWARD THE WORK AREA.
- 9. FLAGGERS AND/OR POLICE OFFICERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
- 10. ALL TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE.
- 11. ALL CONSTRUCTION WARNING SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE.
- 12. THE BACK OF ALL SIGNS USED FOR TRAFFIC CONTROL SHALL BE APPROPRIATELY COVERED TO PRECLUDE THE DISPLAY OF INAPPLICABLE SIGN MESSAGES (I.E., WHEN SIGNS HAVE MESSAGES ON BOTH FACES).
- 13. AT THE END OF EACH DAY'S WORK OR AS SOON AS THE WORK IS COMPLETED, THE PERMITTEE SHALL REMOVE ALL TRAFFIC CONTROL DEVICES NO LONGER NEEDED TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC. REMOVAL SHALL BE IN THE REVERSE ORDER OF INSTALLATION.

CONSTRUCTION NOTES: STATE RIGHT-OF-WAY

- 1. THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM THE STATE'S HIGHWAY DISTRICT ENGINEER AT 727 KAKOI STREET PRIOR TO THE COMMENCEMENT OF WORK WITHIN STATE HIGHWAY RIGHT—OF—WAY.
- 2. CONSTRUCTION AND RESTORATION OF ALL EXISTING HIGHWAY FACILITIES WITHIN STATE RIGHT-OF-WAY SHALL BE DONE IN ACCORDANCE WITH ALL APPLICABLE SECTIONS OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION," DATED 1985, AND THE "SPECIFICATIONS FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS," DATED MAY, 1984 OF THE STATE HIGHWAYS DIVISION.
- 3. THE CONTRACTOR SHALL PROVIDE, INSTALL, AND MAINTAIN ALL NECESSARY SIGNS, LIGHTS, FLARES, BARRICADES, MARKERS, CONES, AND OTHER PROTECTIVE FACILITIES AND SHALL TAKE ALL NECESSARY PRECAUTIONS FOR PROTECTION AND FOR THE CONVENIENCE AND SAFETY OF PUBLIC TRAFFIC, ALL SUCH PROTECTIVE FACILITIES AND PRECAUTIONS TO BE TAKEN SHALL CONFORM WITH THE "ADMINISTRATIVE RULES OF HAWAII GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREET AND HIGHWAYS" ADOPTED BY THE HIGHWAY SAFETY COORDINATOR, AND THE U.S. FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, PART VI TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS." IF LANE CLOSURES ARE REQUIRED DURING CONSTRUCTION, A TRAFFIC CONTROL PLAN SHALL BE INCORPORATED INTO THE CONSTRUCTION PLANS AND MUST BE APPROVED BY THE ENGINEER PRIOR TO THE ISSUANCE OF THE PERMIT.
- 4. LONGITUDINAL DRAINAGE ALONG THE HIGHWAY SHALL BE MAINTAINED.
- 5. ALL SIGNS, PAVEMENT MARKINGS, STRIPING, GUARDRAILS, ETC. REMOVED OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE STATE.
- 6. ALL REGULATORY, GUIDE AND CONSTRUCTION SIGNS AND BARRICADES SHALL BE OF HIGH INTENSITY REFLECTIVE SHEETING.
- 7. NO MATERIAL AND/OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITHIN HIGHWAY RIGHT-OF-WAY EXCEPT AT LOCATIONS DESIGNATED IN WRITING AND APPROVED BY THE DISTRICT ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADEQUATE, SAFE BRIDGING MATERIAL OVER THE TRENCH, INCLUDING SHORING, WHEN TRENCHING IN PAVEMENT AREAS TO HANDLE ALL TYPES OF VEHICULAR TRAFFIC.
- 9. NO TRENCH SHALL BE OPENED MORE THAN 50 FEET IN ADVANCE OF THE INSTALLED AND TESTED DUCT LINE. NO JUMPS OR SPACES WILL BE PERMITTED UNLESS APPROVED BY THE ENGINEER.



This work was prepared by me or under my supervision

EGS INC.

By Fenny K Vishimure

Its PROJECT ENGINEER

Date DEC. 9, 1991

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

GENERAL NOTES

KAMEHAMEHA HIGHWAY - INSTALLATION OF HIGHWAY LIGHTS

MEHEULA PARKWAY TO KIPAPA STREET

PROJECT NO. 99C-01-92

SCALE: NO SCALE

FED. ROAD

DIST. NO.

STATE

HAW.

FISCAL | SHEET | TOTAL

NO.

SHEETS

10

YEAR

1992

FED. AID

PROJ. NO.

99C-01-92

DATE:

SHEET No. 2 OF 10 SHEETS

	(ALL ITEMS ARE	NEW UNLESS OTHERW	ISE NOTED)
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
()-	EXISTING STREET LIGHTING LUMINAIRE ON METAL STANDARD	w	EXISTING WATER LINE
•	NEW STREET LIGHTING LUMINAIRE ON METAL STANDARD	F	EXISTING FUEL LINE
		s	EXISTING SEWER LINE
		sc	EXISTING SIGNAL CABLE
	CONCEALED CONDUIT BELOW GRADE	t	EXISTING TELEPHONE LINE
		tp	EXISTING TRANS PACIFIC CABLE
s.		ts	EXISTING TRAFFIC SIGNAL DUCT
	EQUIPMENT AS INDICATED ON PLANS	g	EXISTING GAS LINE
	STREET LIGHTING PULLBOX	· · ·	
шшш	ELECTRICAL SERVICE EQUIPMENT		
T	EXISTING PAD MOUNTED TRANSFORMER		
	DUCT SECTION INDICATOR		
1	NOTE INDICATOR		
A 5	DETAIL INDICATOR: TOP HALF DENOTES DETAIL, BOTTOM HALF DENOTES SHEET NUMBER		
$\overline{}$	DENOTES DEMOLITION/REMOVAL	·	
	DENOTES DEMOCITIONY NEMOVAE		• :
		-	
,			

	D. ROAD ST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
н	AWAII	HAW.	99C-01-92	1992	3	10

GENERAL NOTES:

1. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES AND STRUCTURES AS SHOWN ON THE PLANS ARE FROM THE LATEST AVAILABLE DATA BUT ARE NOT GUARANTEED AS TO ACCURACY, OR THAT OTHER OBSTACLES MAY NOT BE ENCOUNTERED DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN THE CONSTRUCTION IS IN CLOSE PROXIMITY OF UNDERGROUND UTILITY FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL PAY FOR ALL DAMAGES TO THE EXISTING UTILITIES.

TELEPHONE/ CATV LINES: CONTRACTOR TO OBTAIN EXCAVATION CLEARANCE 3 WORKING DAYS PRIOR TO ANY EXCAVATION WORK. USE EXTREME CAUTION DURING

EXCAVATION.

WATER LINES:

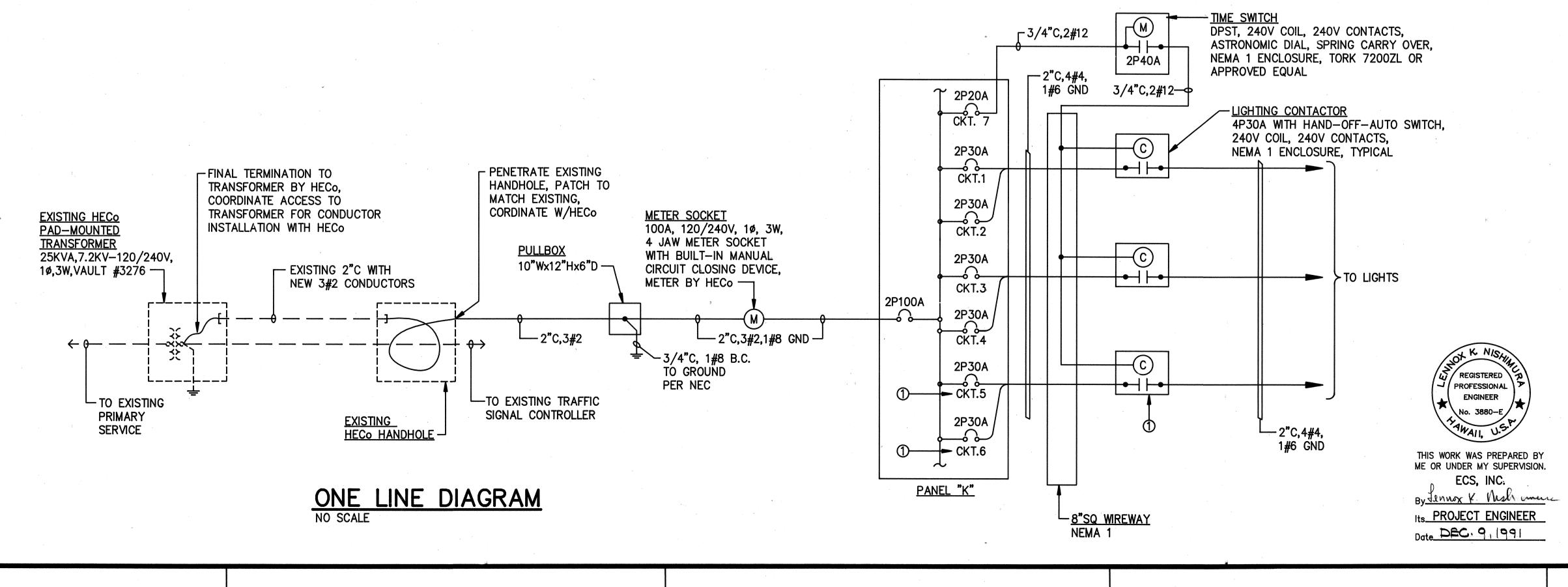
CONTRACTOR TO CALL BOARD OF WATER SUPPLY, CITY AND COUNTY OF HONOLULU FOR FIELD LOCATIONS OF WATER MAINS AND APPURTENANCES A MINIMUM OF 48 HOURS BEFORE STARTING

PROJECT EXCAVATION.

SEWER LINES:

CONTRACTOR TO CALL DIVISION OF SEWERS, CITY AND COUNTY OF HONOLULU FOR FIELD LOCATIONS OF SEWER LINES AND LATERALS A MINIMUM OF 48 HOURS BEFORE STARTING PROJECT EXCAVATION.

- 2. THE MINIMUM CLEARANCE BETWEEN FIRE HYDRANTS AND UTILITY POLES OR LIGHT STANDARDS SHALL BE 3'-0".
- 3. THE CONTRACTOR SHALL TRIM OR REMOVE ALL TREES, SHRUBS, BUSHES, ETC. ENCROACHING UPON THE NEWLY INSTALLED HIGHWAY LIGHTING STANDARDS. FOLIAGE SHALL BE TRIMMED SO AS NOT TO INTERFERE WITH THE LUMINAIRE'S LIGHT DISTRIBUTION PATTERN.
- 4. DESIGN ILLUMINATION LEVEL = 1.0 FOOTCANDLE AVERAGE MAINTAINED. DESIGN UNIFORMITY RATIO (AVE./MIN.) = 3:1 MAX. DESIGN MAINTENANCE FACTOR = 0.65.



NOTES:
SHOULD ALL 7 DEDUCTIVE ITEMS BE ELIMINATED FROM THE PROJECT, THE CIRCUIT BREAKERS AT CIRCUIT #5 & #6 SHALL BE INSTALLED AS SPARE BREAKERS. THE ASSOCIATED LIGHTING CONTACTOR SHALL NOT BE PROVIDED.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL SYMBOL LIST, ONE— LINE DIAGRAM, GENERAL NOTES

KAMEHAMEHA HIGHWAY - INSTALLATION OF HIGHWAY LIGHTS

MEHEULA PARKWAY TO KIPAPA STREET

PROJECT NO. 99C-01-92

SCALE: NO SCALE DATE:

SHEET No. 3 OF 10 SHEETS