

ELECTRICAL SYMBOL LIST		
SYMBOL		DESCRIPTION
EXISTING	NEW	
		HIGH MAST LIGHT POLE ASSEMBLY
		METER SOCKET
		ELECTRICAL EQUIPMENT
		CONCRETE ENCASED DUCTLINE
		SURFACE MOUNTED CONDUIT
		PIPE STANCHION
		NOTE INDICATOR
		DETAIL INDICATOR: TOP HALF DENOTES DETAIL NUMBER, BOTTOM HALF DENOTES SHEET NUMBER
		POWER TRANSFORMER
		GROUND
		CURRENT TRANSFORMER
		CIRCUIT BREAKER
		SPLICE
		KEY INTERLOCK
		DENOTES DEMOLITION/REMOVAL
	+42"	DENOTES 42" ABOVE FINISHED GRADE
	ELEC	ELECTRICAL
	EHH	ELECTRICAL HANDHOLE
	GRS	GALVANIZED RIGID STEEL
	GND	GROUND
	HH	HANDHOLE
	HT	HAWAIIAN TELCOM
	HECO	HAWAIIAN ELECTRIC COMPANY
	KW	KILOWATT
	NL	NIGHT (SECURITY) LIGHTING
	OL	OPERATIONAL LIGHTING
	PFB	PROVISION FOR FUTURE BREAKER
	PVC	POLYVINYL CHLORIDE
	SS	STAINLESS STEEL
	WP	WEATHERPROOF
	XFMR	TRANSFORMER
	53-XX/X	LIGHT POLE NUMBER AND LUMINAIRE QUANTITY IDENTIFIER (PIER 53, XX DENOTES LIGHT POLE NUMBER, X DENOTES LUMINAIRE QUANTITY)

GENERAL ELECTRICAL NOTES:

- ALL WORK SHOWN ON ELECTRICAL DRAWINGS SHALL BE NEW UNLESS OTHERWISE NOTED.
- VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS IN THE FIELD PRIOR TO COMMENCEMENT OF NEW WORK. EXERCISE CAUTION TO PREVENT DAMAGE TO EXISTING STRUCTURES, UTILITIES AND EQUIPMENT IN THE AREA.
- EXISTING CONDITIONS: ALL EXISTING DUCTLINES AND UTILITIES INDICATED ON THE DRAWINGS ARE APPROXIMATE LOCATIONS BASED UPON AVAILABLE "AS-BUILT" DRAWINGS. DAMAGE TO EXISTING UTILITIES CAUSED BY THE CONTRACTOR WILL REQUIRE THE CONTRACTOR TO REPAIR THE DAMAGE AT NO COST TO THE STATE, TO THE SATISFACTION OF THE CONSTRUCTION ENGINEER.
- THE WORK SCHEDULE SHALL BE COORDINATED WITH USERS, HARBORS DIVISION CONSTRUCTION ENGINEER AND HARBORS DIVISION OAHU DISTRICT MANAGER.
- THE CONTRACTOR SHALL SCHEDULE ALL WORK TO MINIMIZE DISRUPTION OF USERS' OPERATIONS.
- ALL EXISTING LIGHT POLES AND LUMINAIRES NOT SCHEDULED FOR REMOVAL SHALL BE OPERATIONAL DURING THE HOURS OF DARKNESS. TEMPORARY LIGHTING SHALL ALSO BE PROVIDED FOR AREAS AFFECTED BY THE DEMOLITION AND CONSTRUCTION OF A LIGHT POLE DURING THE HOURS OF DARKNESS. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY POWER SOURCE (E.G. PORTABLE GENERATOR, ETC.) OR PORTABLE LIGHT TOWERS AT NO ADDITIONAL COST TO THE STATE. LOCATIONS OF ALL TEMPORARY EQUIPMENT SHALL BE APPROVED BY THE HARBORS DIVISION CONSTRUCTION ENGINEER AND MATSON.
- ALL EXISTING ELECTRICAL EQUIPMENT AND FACILITIES NOT SCHEDULED FOR DEMOLITION SHALL REMAIN OPERATIONAL DURING CONSTRUCTION. CONTRACTOR TO MINIMIZE OUTAGES AND COORDINATE WITH THE HARBORS DIVISION CONSTRUCTION ENGINEER, HARBORS DIVISION OAHU DISTRICT, AND ALL USERS AND TENANTS AT LEAST 14 CALENDAR DAYS PRIOR TO ALL OUTAGES.
- CONTRACTOR SHALL SCHEDULE IN WRITING ALL DEMOLITION WORK WITH USERS AND HARBORS DIVISION CONSTRUCTION ENGINEER. A MINIMUM OF 14 CALENDAR DAYS ADVANCE NOTICE SHALL BE GIVEN.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH STRUCTURAL ELEMENTS OF THE PROJECT.
- REMOVE AND DISPOSE OF ALL ELECTRICAL EQUIPMENT AND CONDUCTORS INDICATED FOR DEMOLITION. UNDERGROUND CONDUIT SHALL BE ABANDONED IN-PLACE UNLESS OTHERWISE INDICATED.
- SAWCUT AND PATCH EXISTING SURFACES AS REQUIRED. RESTORE EXISTING PAVEMENT MARKINGS TO ORIGINAL OR BETTER CONDITION.

GENERAL NOTES:

- THE CONTRACTOR SHALL COMPLY WITH THE CLEAN WATER ACT AND THE STATE HARBORS DIVISION STORMWATER MANAGEMENT PROGRAM. NO POLLUTANT IS ALLOWED TO BE DISCHARGED DIRECTLY OR INDIRECTLY THROUGH THE HARBORS SMALL MS4 OR OTHER POTENTIAL PATHWAY INTO HARBORS WATERS.
- THE CONTRACTOR SHALL SUBMIT A SITE-SPECIFIC BEST MANAGEMENT PRACTICE PLAN AND HEALTH & SAFETY PLAN TO HARBORS ENGINEERING BRANCH PRIOR TO THE START OF ANY CONSTRUCTION WORK.
- IN CASE OF RELEASE OF HAZARDOUS SUBSTANCE, OIL OR ENCOUNTER OF CONTAMINATED SOIL, THE CONTRACTOR SHALL NOTIFY APPROPRIATE FACILITY PERSONNEL, EMERGENCY RESPONSE AGENCIES, AND REGULATORY AGENCIES FOLLOWING NOTIFICATION PROCEDURES, AND SHALL NOTIFY HARBORS CONSTRUCTION ENGINEER IMMEDIATELY (I.E., WITHIN 24-HOURS). CONTACT INFORMATION MUST BE IN LOCATIONS THAT ARE READILY ACCESSIBLE AND AVAILABLE.

<p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION EXP. 4-30-24 <i>Michele N. Adolpino</i> ECS, INC.</p>						
	REVISION		DATE		DESCRIPTION	
					BY	
					APPROVED	
	STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION					
	JOB TITLE REPAIR LIGHT POLES AND PEDESTALS AT PIER 53 HONOLULU HARBOR, OAHU, HAWAII					
	SHEET TITLE ELECTRICAL SYMBOL LIST, GENERAL NOTES					
	DESIGNED BY: JC				SHEET E-1	
	DRAWN BY: CAD					
	CHECKED BY: M.A.					
DATE: 04/2023		JOB NUMBER				
SCALE: AS SHOWN		S10859		6 of 18 SHTS.		