

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	92A-03-86	1986	3	23

STATE, CITY AND UTILITY CO. NOTES:

- ALL WORK SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING CONSTRUCTION STANDARDS AND SPECIFICATIONS:
 - GENERAL ORDER NO. 6 AND NO. 10 PUBLIC UTILITIES COMMISSION, STATE OF HAWAII.
 - CONSTRUCTION STANDARDS OF THE DEPARTMENT OF TRANSPORTATION, STATE OF HAWAII.
 - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, STATE OF HAWAII, 1976.
 - STANDARD DETAILS FOR PUBLIC WORKS CONSTRUCTION, DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU.
 - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, DEPARTMENT OF PUBLIC WORKS, CITY AND COUNTY OF HONOLULU, MAY 1975.
 - CONSTRUCTION STANDARDS OF THE DEPARTMENT OF TRANSPORTATION SERVICES, CITY AND COUNTY OF HONOLULU.
 - CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE HAWAIIAN ELECTRIC CO., INC.
 - CONSTRUCTION STANDARDS AND SPECIFICATIONS OF THE HAWAIIAN TELEPHONE CO.
- THE CONTRACTOR SHALL OBTAIN A CONSTRUCTION PERMIT FROM THE STATE'S HIGHWAY DISTRICT ENGINEER AT 727 KAKOI STREET PRIOR TO COMMENCEMENT OF WORK WITHIN STATE HIGHWAY RIGHT-OF-WAY.
- 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 1976, AND THE SPECIFICATION FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS, DATED APRIL 1, 1974 OF STATE HIGHWAYS DIVISION.
- ALL LANES SHALL BE OPENED TO TRAFFIC DURING THE MORNING PEAK HOURS FROM 5:30 A.M. TO 9:00 A.M. AND DURING THE AFTERNOON PEAK HOURS FROM 2:00 P.M. TO 6:30 P.M., AND DURING OFF-WORK HOURS. ONLY ONE LANE OF THIS PROJECT SHALL BE CLOSED AT ANY OTHER TIME.
- 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 THE PROTECTION AND FOR THE CONVENIENCE AND SAFETY OF PUBLIC TRAFFIC. ALL SUCH PROTECTIVE FACILITIES AND PRECAUTION TO BE TAKEN SHALL CONFORM WITH THE "RULES AND REGULATIONS GOVERNING THE USE OF TRAFFIC CONTROL DEVICES AT WORK SITES ON OR ADJACENT TO PUBLIC STREETS AND HIGHWAYS" ADOPTED BY THE HIGHWAY SAFETY COORDINATOR, AND THE U.S. FEDERAL HIGHWAY ADMINISTRATION "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, PART VII-TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS", DATED 1973. IF LANE CLOSURES ARE REQUIRED DURING CONSTRUCTION, A TRAFFIC CONTROL PLAN SHALL BE INCORPORATED INTO THE CONSTRUCTION PLANS AND MUST BE APPROVED BY THE DIVISION PRIOR TO THE ISSUANCE OF THE PERMIT.
- THE MINIMUM PAVEMENT STRUCTURE SHALL CONSIST OF:
2 1/2" ASPHALT CONCRETE, 8" AGGREGATE BASE COURSE AND 12" AGGREGATE SUBBASE, OR 2 1/2" ASPHALT CONCRETE AND 8" ASPHALT CONCRETE.
- NO MATERIAL AND/OR EQUIPMENT SHALL BE STOCKPILED OR OTHERWISE STORED WITHIN HIGHWAY RIGHTS-OF-WAY EXCEPT AT LOCATIONS DESIGNATED IN WRITING AND APPROVED BY THE DISTRICT ENGINEER.
- COMPACTION TESTS SHALL BE TAKEN IN ACCORDANCE WITH THE SPECIFICATIONS FOR INSTALLATION OF MISCELLANEOUS IMPROVEMENTS WITHIN STATE HIGHWAYS DATED APRIL 1, 1974 AS FOLLOWS:
 - SUBBASE: 1 COMPACTION TEST
 - BASE COURSE: 1 COMPACTION TEST

GENERAL NOTES

- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ADEQUATE, SAFE, NON-SKID BRIDGING MATERIAL OVER THE TRENCH, INCLUDING SHORING, WHEN TRENCHING IN PAVEMENT AREAS TO HANDLE ALL TYPES OF VEHICULAR TRAFFIC.
- LONGITUDINAL DRAINAGE ALONG THE HIGHWAY SHALL BE MAINTAINED.
- PAVEMENT RE-STRIPING SHALL BE DONE BY CONTRACTOR.
- APPROVAL OF PERMIT CONSTRUCTION PLANS SHALL BE VALID FOR A PERIOD OF ONE YEAR THEREOF FROM THE DATE OF NOTIFICATION OF APPROVAL TO THE APPLICANT. IN THE EVENT CONSTRUCTION DOES NOT COMMENCE WITHIN THIS ONE-YEAR PERIOD, THE APPLICANT WILL BE REQUIRED TO RESUBMIT HIS CONSTRUCTION PLANS FOR DIVISION'S REVIEW AND APPROVAL.
- ALL REGULATORY, GUIDE AND CONSTRUCTION SIGNS AND BARRICADES SHALL BE OF HIGH INTENSITY REFLECTIVE SHEETING.
- IT IS NOT THE INTENT OF THESE PLANS AND SPECIFICATIONS TO INDICATE THAT ALL EXISTING UTILITIES ARE SHOWN ON THE PLANS. THE INFORMATION ON THE EXISTING UTILITIES ARE BASED ON AVAILABLE PLANS. THE LOCATIONS ARE APPROXIMATE ONLY AND THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING IN THIS AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THE FACILITIES WHETHER SHOWN OR NOT SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL EXERCISE PROPER CARE WHEN EXCAVATING IN AREAS WITH EXISTING UNDERGROUND FACILITIES. DAMAGES TO THE EXISTING FACILITIES SHALL BE IMMEDIATELY REPORTED TO THE RESPECTIVE UTILITY COMPANIES, CITY OR STATE AGENCY. THE REPAIR WORK SHALL BE PROVIDED AT NO ADDITIONAL COST TO THIS PROJECT.
- ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR UNLESS SPECIFIED ON THE PLANS TO BE ABANDONED OR DEMOLISHED.
- THE CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS RESULTING FROM HIS WORK AND DEPOSITED INTO THE DRAINAGE FACILITIES, ROADWAYS AND OTHER AREAS. THE COSTS INCURRED FOR ANY REMEDIAL ACTION BY THE ENGINEER SHALL BE PAYABLE BY THE CONTRACTOR.
- THE CONTRACTOR SHALL KEEP ALL WALKWAYS, DRIVEWAYS AND ROADWAYS OPEN FOR PEDESTRIAN AND/OR VEHICULAR TRAFFIC. SAFETY BARRIERS AND APPROPRIATE WARNING SIGNS AND DEVICES SHALL BE PROVIDED AT ALL TIMES FOR THE SAFETY OF PEDESTRIAN AND/OR VEHICLES.
- THE CONTRACTOR SHALL AT HIS OWN EXPENSE KEEP THE PROJECT AREA AND ALSO THE SURROUNDING AREA FREE FROM DUST NUISANCES. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE DEPARTMENT OF HEALTH, STATE OF HAWAII.
- COORDINATE STREET LIGHTING AND TRAFFIC SIGNAL WORK WITH THE DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MAINTENANCE SERVICES, ELECTRICAL AND MAINTENANCE AND TRAFFIC SIGNAL SECTIONS, CITY AND COUNTY OF HONOLULU. ARRANGEMENTS FOR INSPECTION SHALL BE MADE A MINIMUM OF 72 HOURS IN ADVANCE OF TIME REQUIRED.
 - STREET LIGHTING WORK:
 - CONSTRUCTION AND MAINTENANCE SERVICES, DEPARTMENT OF TRANSPORTATION, STATE OF HAWAII: 548-7587.
 - ELECTRICAL AND MAINTENANCE SECTION, DEPARTMENT OF TRANSPORTATION SERVICES, CITY AND COUNTY OF HONOLULU: 523-4905
 - TRAFFIC SIGNAL WORK:
 - TRAFFIC SIGNAL SECTION, DEPARTMENT OF TRANSPORTATION SERVICES, CITY AND COUNTY OF HONOLULU: 523-4901.
- EXISTING TRAFFIC SIGNALS SHALL REMAIN IN PLACE AND IN OPERATION, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

- EXISTING STREET LIGHTING EQUIPMENT IN THE PROJECT AREA SHALL REMAIN IN PLACE AND IN OPERATION UNTIL NEW STREET LIGHTING SYSTEM IS INSTALLED AND IN OPERATION, UNLESS DIRECTED OTHERWISE BY THE ENGINEER.

HTCO NOTES:

- ALL EXISTING UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION, AND ANY DAMAGE TO THEM SHALL BE REPAIRED AND PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR IS TO EXERCISE EXTREME CAUTION WHEN THE EXCAVATION AND CONSTRUCTION CROSSED OR IS IN CLOSE PROXIMITY OF UNDERGROUND CABLE FACILITIES AND IS RESPONSIBLE FOR PROPERLY SUPPORTING THE EXISTING FACILITIES.
- THE CONTRACTOR IS TO OBTAIN AN EXCAVATION PERMIT FROM HTCO RECORDS SECTION (3RD FLOOR, 2291 WALENA STREET) PRIOR TO START OF CONSTRUCTION.
- SHOULD IT BECOME NECESSARY, ANY WORK REQUIRED TO RELOCATE HTCO FACILITIES SHALL BE DONE BY HTCO AND PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COORDINATION BY NOTIFYING HTCO A MINIMUM OF 72 HOURS IN ADVANCE AT 826-6101.

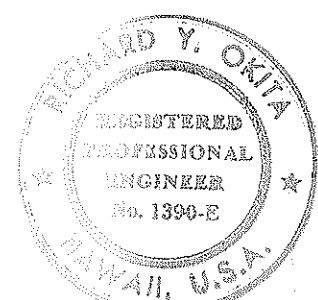
WATER NOTES:

- UNLESS OTHERWISE SPECIFIED, ALL MATERIALS AND CONSTRUCTION OF WATER SYSTEM FACILITIES AND APPURTENANCES SHALL BE IN ACCORDANCE WITH THE HONOLULU BOARD OF WATER SUPPLY'S "WATER SYSTEM STANDARDS", DATED MARCH 1977, AND ALL SUBSEQUENT AMENDMENTS AND ADDITIONS.
- PRIOR TO EXCAVATION FOR NEW DUCTLINE, THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING WATER MAINS AND APPURTENANCES IN THE FIELD. WHERE THE INSTALLATION OF THE NEW DUCTLINE IS TO CROSS OVER OR UNDER EXISTING WATER MAINS, THE CONTRACTOR SHALL EXPOSE THE EXISTING WATER MAINS PRIOR TO TRENCHING. EXCAVATION AROUND WATER MAINS SHALL BE DONE BY HAND.
- APPROVAL BY THE BOARD OF WATER SUPPLY IS BASED SOLELY ON THE ADEQUACY OF THE WATER SUPPLY. DISCREPANCIES, IF ANY OF ALIGNMENTS, GRADES, FITTINGS, ETC. SHALL BE THE RESPONSIBILITY OF THE ENGINEER WHO PREPARED THE PLANS.
- THE CONTRACTOR SHALL RE-ADJUST WATER SERVICES AND/OR METERS TO FACILITATE THE DUCTLINE CONSTRUCTION.
- 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 BE RESPONSIBLE AND SHALL PAY FOR ALL DAMAGES TO THE EXISTING UTILITIES.
- REAPPROVAL SHALL BE REQUIRED IF THIS PROJECT IS NOT UNDER CONSTRUCTION WITHIN A PERIOD OF ONE YEAR. (SEE RULES AND REGULATIONS OF THE BOARD OF WATER SUPPLY).

GAS NOTES:

- THE GASCO, INC. GAS PIPE LINES IN THE PROJECT AREA ARE PLASTIC COATED AND CATHODICALLY PROTECTED. THE CONTRACTOR SHALL BE EXTREMELY CAREFUL WHEN WORKING NEAR THESE GAS PIPE LINES.
- PRIOR WRITTEN CLEARANCE MUST BE OBTAINED FROM GASCO, INC., MAPS AND RECORDS, 515 KAMAKEE STREET, AT LEAST FIVE (5) WORKING DAYS PRIOR TO STARTING EXCAVATION NEAR ANY GAS PIPE LINES.
- SINCE GAS LINE LOCATIONS ON FIELD MAPS ARE APPROXIMATE, THE CONTRACTOR, AFTER OBTAINING A WRITTEN CLEARANCE, SHALL CALL GASCO, INC., A MINIMUM OF 48 HOURS BEFORE STARTING EXCAVATION TO ARRANGE FOR FIELD LOCATION OF EXISTING GAS LINES. THE TELEPHONE NUMBER IS 547-3375 DURING BUSINESS HOURS, AND 526-0066 AFTER HOURS.
- THE CONTRACTOR SHALL EXCAVATE AND BACKFILL AROUND GAS PIPE LINES IN THE PRESENCE OF A GASCO, INC. REPRESENTATIVE ALL BACKFILL WITHIN 6 INCHES, (12 INCHES AT 16 INCH HIGH PRESSURE GAS TRANSMISSION LINE), OF GAS PIPE LINE SHALL BE SELECT CUSHION MATERIAL APPROVED BY GASCO, INC.
- FOR RELOCATION OF ANY GAS PIPE LINE, THE CONTRACTOR SHALL NOTIFY GASCO, INC. FIVE (5) WORKING DAYS BEFORE STARTING WORK. THE CONTRACTOR SHALL PROVIDE THE NECESSARY EXCAVATION AND BACKFILL, ARRANGE FOR TRAFFIC PERMITS AND RESTORE SIDEWALK PAVEMENT OR OTHER FACILITIES. ANY RE-LOCATION OF GAS FACILITIES SHALL BE DONE BY GASCO, INC. AND PAID FOR BY THE CONTRACTOR.
- THE CONTRACTOR SHALL NOTIFY GASCO, INC. IMMEDIATELY AFTER ANY DAMAGE HAS BEEN CAUSED TO EXISTING GAS PIPE LINES, THEIR COATINGS OR THEIR CATHODIC PROTECTION DEVICES. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGES TO GASCO, INC. FACILITIES. REPAIR WORK ON THIS DAMAGE SHALL BE DONE BY GASCO, INC. WITH PAYMENT FOR THIS WORK TO BE BORNE BY THE CONTRACTOR.
- MINIMUM VERTICAL OR HORIZONTAL CLEARANCE BETWEEN GAS PIPE LINES AND OTHER PIPE LINES, CONDUITS, OR DUCTLINES SHALL BE 12 INCHES, (24 INCHES AT 16 INCH HIGH PRESSURE GAS TRANSMISSION LINE). ADEQUATE SUPPORT AND PROTECTION FOR GAS PIPE LINES EXPOSED IN THE TRENCH SHALL BE PROVIDED. SUCH SUPPORT AND PROTECTION SHALL BE APPROVED BY GASCO, INC.
- THE CONTRACTOR SHALL WORK IN AN EXPEDITIOUS MANNER IN ORDER TO KEEP UNCOVERED GAS PIPE LINES EXPOSED FOR AS SHORT A PERIOD OF TIME AS POSSIBLE.

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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

R. Ohta

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
HIGHWAY LIGHTING IMPROVEMENT
OF
NIMITZ HIGHWAY
SAND ISLAND ACCESS RD TO BISHOP ST
PROJECT NO. 92A-03-86

GENERAL NOTES

SHEET No. 23 OF 23 SHEETS

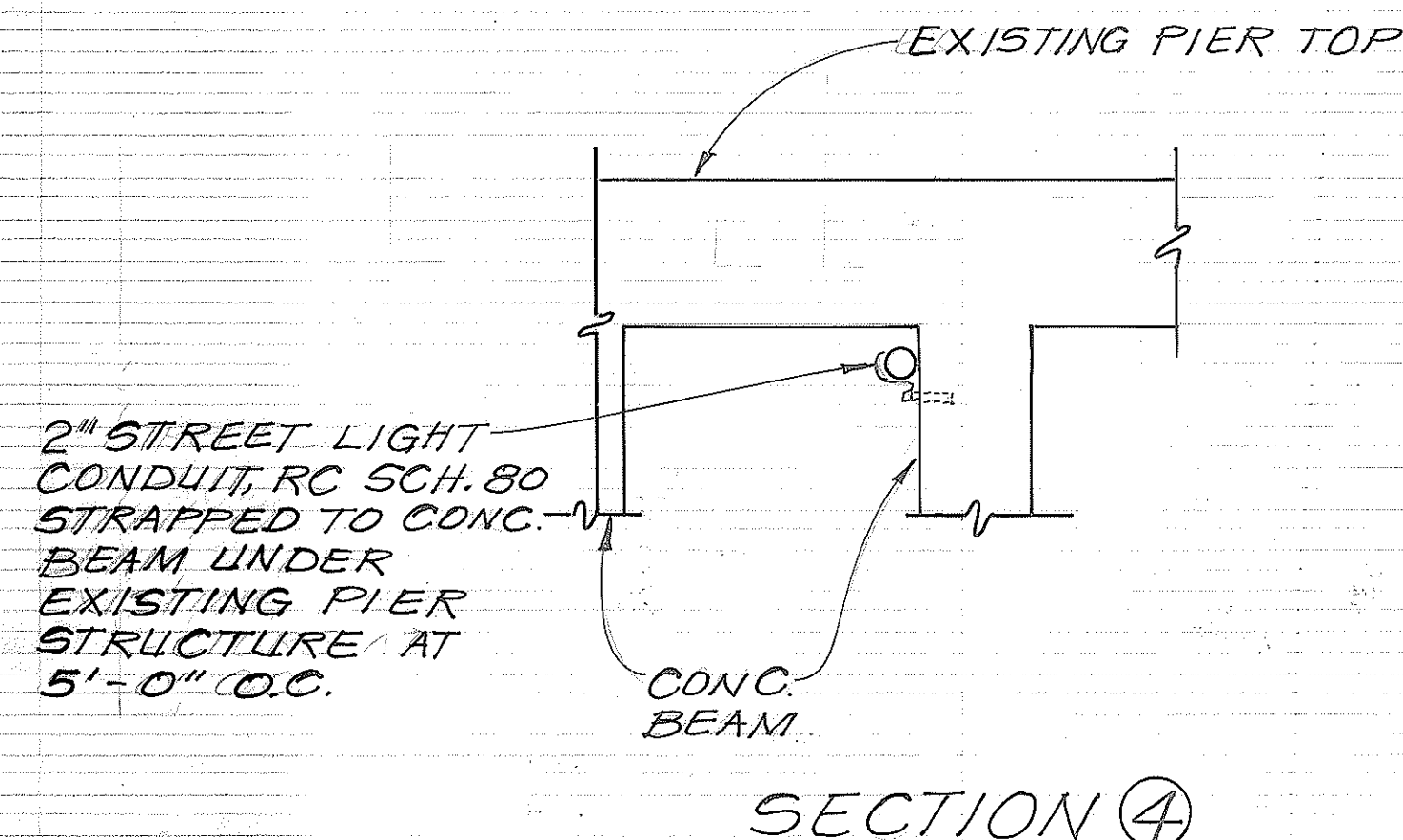
DEMOLITION NOTES:

- EXISTING STREET LIGHTING EQUIPMENT TO INCLUDE LUMINAIRES, BRACKET ARM, CROSSARMS, CIRCUITS, REGULATORS, TRANSFORMERS AND ASSOCIATED ACCESSORIES SHALL BE REMOVED, RELOCATED AND/OR RECONNECTED BY THE CONTRACTOR. COST OF REMOVAL, RELOCATION AND/OR RECONNECTION TO EXISTING SYSTEMS AT THE PROJECT BOUNDARIES SHALL BE CONSIDERED INCIDENTAL TO THE "DEMOLITION WORK" OF THIS PROJECT AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THIS PROJECT.
- ALL SALVABLE EQUIPMENT SHALL BE CLEANED, NEATLY BUNDLED AND DELIVERED TO THE DEPARTMENT OF TRANSPORTATION, CONSTRUCTION AND MAINTENANCE BASEYARD AT 727 KAKOI STREET. THE DETERMINATION OF SALVABLE EQUIPMENT SHALL BE MADE BY THE ENGINEER PRIOR TO THE CONTRACTOR STARTING THE DEMOLITION WORK.
- COORDINATE DEMOLITION WORK WITH THE RESPECTIVE UTILITY COMPANIES, CITY AND STATE AGENCIES TO ALLOW THEM SUFFICIENT TIME TO ACCOMPLISH THEIR WORK AND NOT TO CONFLICT WITH THEIR WORK SCHEDULE.
- IN GENERAL THE EXISTING STREET LIGHTING SYSTEM SHALL REMAIN IN PLACE AND BE KEPT OPERATIONAL UNTIL THE NEW SYSTEM IS INSTALLED AND IN OPERATION. WHERE CONFLICTS OCCUR BETWEEN THE EXISTING AND NEW SYSTEMS, THE CONTRACTOR SHALL OBTAIN APPROVAL FROM THE ENGINEER PRIOR TO DEMOLISHING THE EXISTING FACILITY IN CONFLICT. IF TEMPORARY RELOCATION WORK IS REQUIRED TO KEEP THE EXISTING SYSTEM OPERATIONAL SUCH RELOCATION WORK SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE DEMOLITION WORK AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THIS PROJECT.
- CONCRETE FOUNDATIONS FOR EXISTING STREET LIGHT STANDARDS SCHEDULED FOR REMOVAL SHALL BE DEMOLISHED A MINIMUM OF 12" BELOW THE EXISTING GRADE. SEE NOTE NO. 8.
- CABLES FOR EXISTING STREET LIGHTING CIRCUITS (SERIES AND MULTIPLE CIRCUITS) SCHEDULED FOR DEMOLITION SHALL BE REMOVED AND THE CONDUITS ABANDONED-IN-PLACE. DIRECT BURIED CABLES SHALL BE ABANDONED-IN-PLACE. WHERE EXISTING MULTIPLE CIRCUITS ARE BEING DISCONNECTED, THE CONTRACTOR SHALL CONTACT AND COORDINATE THE DEMOLITION WORK WITH HAWAIIAN ELECTRIC CO., INC.
- EXISTING STREET LIGHTING PULLBOXES SCHEDULED FOR REMOVAL SHALL BE COMPLETELY REMOVED OR DEMOLISHED 12" BELOW THE EXISTING GRADE. SEE NOTE NO. 8.
- HOLES CREATED, AS A RESULT OF THE CONTRACTORS WORK SHALL BE FIRST FILLED WITH TOP SOIL, COMPACTED, THEN GRASSED OR LANDSCAPED AS REQUIRED TO MATCH THE EXISTING CONDITION.

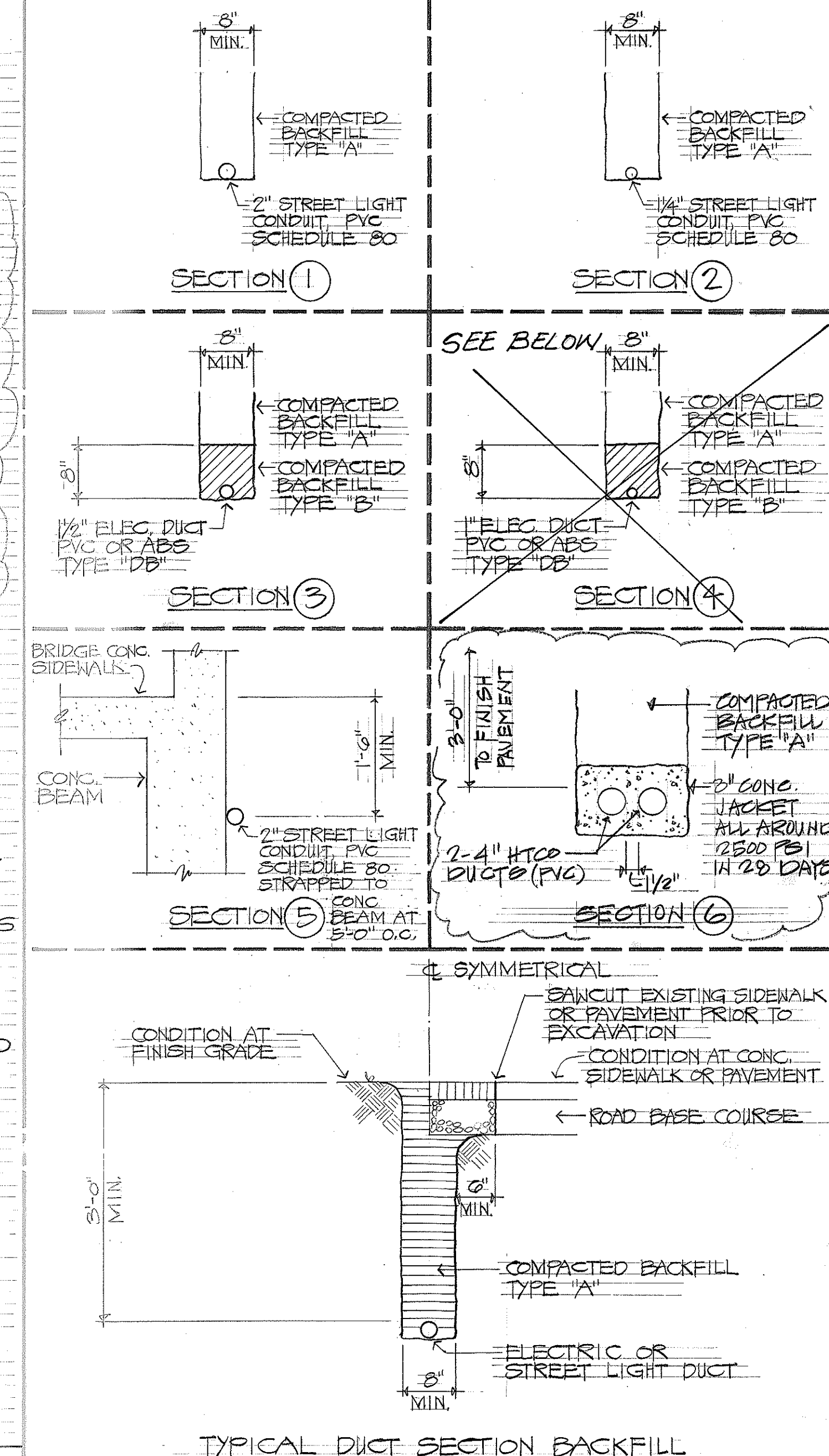
STREET LIGHTING CONSTRUCTION NOTES:

- PROVIDE NEW STREET LIGHT STANDARD IN ACCORDANCE WITH DETAILS ON SHEET: E 19.
- DISCONNECT AND REMOVE EXISTING STREET LIGHT LUMINAIRE FROM EXISTING STREET LIGHT STANDARD AND IN ITS PLACE PROVIDE NEW STREET LIGHT LUMINAIRE WITH HIGH PRESSURE SODIUM LAMP AND PHOTOELECTRIC CONTROL UNIT.
- DISCONNECT AND REMOVE EXISTING STREET LIGHT STANDARD, DEMOLISH EXISTING CONCRETE FOUNDATION 12" BELOW EXISTING FINISH GRADE AND REPAIR CONCRETE CURB, SIDEWALK AND AT LANDSCAPED AREA TO MATCH EXISTING CONDITIONS.
- DISCONNECT AND REMOVE EXISTING STREET LIGHT STANDARD, DEMOLISH EXISTING CONCRETE FOUNDATION 12" BELOW EXISTING FINISH GRADE, INTERCEPT EXISTING STREET LIGHT CIRCUIT WITH NEW 14" x 28" PRECAST CONCRETE PULLBOX WITH STEEL PLATE COVER AND EXTEND AND CONNECT CIRCUIT TO NEW STREET LIGHT STANDARD.
- DISCONNECT AND REMOVE EXISTING STREET LIGHT LUMINAIRE AND BRACKET ARM FROM EXISTING TRAFFIC SIGNAL STANDARD, AND IN ITS PLACE PROVIDE NEW STREET LIGHT LUMINAIRE WITH HIGH PRESSURE SODIUM LAMP AND PHOTOELECTRIC CONTROL UNIT AND BRACKET ARM SIMILAR TO DETAILS ON SHEET: E 21. COORDINATE WORK WITH TRAFFIC SIGNAL SECTION, DEPARTMENT OF TRANSPORTATION SERVICES, CITY AND COUNTY OF HONOLULU.
- PROVIDE NEW STREET LIGHT LUMINAIRE WITH HIGH PRESSURE SODIUM LAMP AND PHOTOELECTRIC CONTROL UNIT AND BRACKET ARM FOR INSTALLATION ON NEW WOOD POLE IN ACCORDANCE WITH DETAILS ON SHEET E 21.
- PROVIDE NEW STREET LIGHT LUMINAIRE WITH HIGH PRESSURE SODIUM LAMP AND PHOTOELECTRIC CONTROL UNIT AND BRACKET ARM FOR INSTALLATION ON EXISTING JOINT WOOD POLE IN ACCORDANCE WITH DETAILS ON SHEET: E 21.
- DISCONNECT AND REMOVE EXISTING STREET LIGHT LUMINAIRE AND BRACKET ARM FROM EXISTING JOINT WOOD POLE. IN ITS PLACE PROVIDE NEW STREET LIGHT LUMINAIRE WITH HIGH PRESSURE SODIUM LAMP AND PHOTOELECTRIC CONTROL UNIT AND BRACKET ARM FOR INSTALLATION ON EXISTING JOINT WOOD POLE IN ACCORDANCE WITH DETAILS ON SHEET: E 21.
- DISCONNECT AND REMOVE EXISTING STREET LIGHT LUMINAIRE AND BRACKET ARM FROM EXISTING JOINT WOOD POLE.
- EXISTING OVERHEAD UTILITY LINES TO REMAIN.
- EXISTING OVERHEAD STREET LIGHT CIRCUIT TO REMAIN.
- EXISTING OVERHEAD STREET LIGHT CIRCUIT TO BE REMOVED.
- SEE DETAIL 1, SHEET E 20, FOR STREET LIGHT STANDARD BASE DETAIL AT EXISTING SIGNAL CORPS DUCTLINE.
- SEE DETAIL 2, SHEET E 20, FOR STREET LIGHT STANDARD BASE DETAIL AT EXISTING STORM DRAIN.
- SEE DETAIL 3, SHEET E 20, FOR STREET LIGHT STANDARD BASE DETAIL AT EXISTING STORM DRAIN.
- PROVIDE NEW OVERHEAD AERIAL CONDUCTORS FOR INSTALLATION ON EXISTING JOINT WOOD POLES IN ACCORDANCE WITH DETAILS ON SHEET E
- EXISTING UNDERGROUND DUCTLINE WITH 2-2" SL AND 1-2" HECO DUCTS. DISCONNECT & REMOVE EXISTING SL WIRING
- PENETRATE & CONNECT NEW RACEWAY TO EXISTING STREET LIGHT PULLBOX OR HANDHOLE. PULL-IN NEW WIRING & CONNECT TO EXISTING AS REQUIRED.
- EXISTING UNDERGROUND RACEWAYS TO BE ABANDONED-IN-PLACE WHEREVER POSSIBLE. DISCONNECT & REMOVE EXISTING WIRING.
- DISCONNECT & REMOVE EXISTING WIRING & IN ITS PLACE PULL-IN NEW WIRING AS REQUIRED.
- NEW TELEPHONE WOOD POLE (35'-0", CLASS 3) BY HTCO.
- PENETRATE EXISTING PULLBOX WALL & INSTALL NEW DUCTS AS REQUIRED. PATCH & FINISH TO MATCH EXISTING.
- HAWAIIAN TELEPHONE CO. WILL ABSORB FULL COST OF THIS WORK. ELECTRICAL CONTRACTOR TO COORDINATE WORK BY HTCO.
- PROVIDE NEW 2'x4' HTCO PULLBOX (HTCO TYPE 48ET-B) PER HTCO STANDARD DRAWING AS 84056. HTCO WILL ABSORB FULL COST OF THIS WORK.
- TAKE EXTREME CAUTION & CARE WHEN EXCAVATING IN THIS AREA. COORDINATE LOCATION OF ALL UTILITIES WITH UTILITY COMPANIES PRIOR TO TRENCHING.
- RELOCATE NEW LIGHT STANDARD AS REQUIRED TO CLEAR EXISTING UTILITIES.
- PROVIDE NEW STREET LIGHT STANDARD & LUMINAIRE ON EXISTING FOUNDATION (CCO #2).
- PROVIDE NEW STREET LIGHT STANDARD & LUMINAIRE ON EXISTING PIER STRUCTURE BEAM (CCO #6).
- PROVIDE NEW STREET LIGHT STANDARD & LUMINAIRE ON EXISTING PIER STRUCTURE DECK (CCO #6).
- RELOCATE EXISTING TRAFFIC AND PEDESTRIAN SIGNALS TO NEW STREET LIGHT STANDARD. EXTEND EXISTING TRAFFIC CIRCUIT TO NEW STANDARD (CCO #8).
- RELOCATE EXISTING TRAFFIC SIGNAL AND EXTEND TRAFFIC SIGNAL CIRCUIT TO NEW STANDARD (CCO #8).
- 8"x12"x6" WEATHERPROOF JUNCTION BOX.
- 6"x6"x4" WEATHERPROOF JUNCTION BOX.
- RELOCATE EXISTING PEDESTRIAN SIGNAL TO NEW STREET LIGHT STANDARD. EXTEND EXISTING PEDESTRIAN SIGNAL CIRCUIT TO NEW STANDARD (CCO #8).
- GROUNDING WIRE INSTALLED IN LIEU OF GROUND ROD ON PIER STRUCTURES (CCO #6).

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HAWAII	HAW.	92A-03-86	1986	4	23



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WAS PREPARED BY
FOR MY SUPERVISION.

R. P. Kite

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHTING IMPROVEMENT
OF
NIMITZ HIGHWAY
SAND ISLAND ACCESS RD TO BISHOP ST
PROJECT NO. 92A-03-86

**GENERAL NOTES and
MISCELLANEOUS DETAILS**

SHEET No. E4 OF 23 SHEETS