GENERAL ELECTRICAL NOTES:

- 1. ELECTRICAL WORK SHALL BE NEW UNLESS OTHERWISE NOTED.
- 2. NOT ALL EXISTING ELECTRICAL WORK INDICATED FOR CLARITY.
- 3. CONTRACTOR SHALL TONE TO DETERMINE EXACT LOCATION OF EXISTING UTILITIES & ADJUST HIS WORK ACCORDINGLY.
- 4. THE LOCATIONS OF THE VARIOUS EXISTING UTILITIES SHOWN ON THE CONTRACT DRAWINGS WERE DETERMINED ON THE BASIS OF BEST AVAILABLE INFORMATION. THEREFORE, NO ASSURANCE IS PROVIDED THAT THE ACTUAL LOCATIONS WILL BE PRECISELY AS SHOWN ON THE CONTRACT DRAWINGS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS AND DEPTHS OF THE FACILITIES AND EXERCISE PROPER CARE IN EXCAVATING THE AREA. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGES TO THE FACILITIES.
- 5. IN PERFORMING ALL WORK, THE CONTRACTOR SHALL EXERCISE DUE CARE AND CAUTION NECESSARY TO AVOID ANY DAMAGE TO AND IMPAIRMENT IN THE USE OF ANY EXISTING UTILITY LINE. ANY DAMAGE INFLICTED ON EXISTING UTILITY LINES RESULTING FROM THE CONTRACTOR'S OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR RESTORED AS DIRECTED BY THE STATE AT THE CONTRACTOR'S EXPENSE.
- 6. ALL ELECTRIC/SIGNAL DUCTS SHALL HAVE A MINIMUM CLEARANCE OF 1'-0" WHEN CROSSING WATER/SEWER LINES.
- 7. THE CONTRACTOR SHALL BE LIABLE FOR ANY DAMAGE TO MAUL ELECTRIC CO. FACILITIES AND SHALL IMMEDIATELY REPORT SUCH DAMAGES TO MAUL ELECTRIC CO.'S TROUBLE DISPATCHER AT 871-7777.
- ALL MAUI ELECTRIC CO. OVERHEAD FACILITIES SHOWN ON THESE PLANS OR WHOSE APPROXIMATE LOCATIONS WITHIN THE PROJECT BOUNDARIES HAVE BEEN MADE KNOWN BY ANY REASONABLE MEANS AT ANY TIME TO THE CONTRACTOR SHALL BE PROTECTED AT ALL TIMES BY THE CONTRACTOR DURING CONSTRUCTION. COSTS FOR THE DAMAGES TO MAUI ELECTRIC CO. FACILITIES MAY BE BORNE BY THE CONTRACTOR. THIS REPAIR WORK SHALL BE DONE BY MAUI ELECTRIC CO. OR BY THE CONTRACTOR UNDER MAUI ELECTRIC CO.'S SUPERVISION.
- 9. ALL WORK REQUIRED TO RELOCATE MAUI ELECTRIC CO. FACILITIES SHALL BE DONE BY MAUI ELECTRIC CO. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION.
- 10. <u>WARNING</u>: THE PROJECT SITE CONTAINS VARIOUS MAUI ELECTRIC CO. LINES OPERATED AT 69KV, 23KV, 12KV AND VARIOUS OTHER SECONDARY VOLTAGES. THESE LINES MUST REMAIN ACTIVE. THEREFORE, THE CONTRACTOR SHALL UTILIZE SUCH METHODS, EQUIPMENT, ETC., NECESSARY TO PROTECT HIS PERSONNEL, THE PUBLIC, STATE PERSONNEL, PROPERTY, EQUIPMENT, ETC.

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | | TOTAL SHEETS |
|------------------------|-------|-----------------------|----------------|----|-----------------|
| HAWAII | HAW. | STP-036-1(12) | 2000 | 26 | 30 |

| | DESCRIPTION STREET LIGHT, 250 WATT HPS SINGLE LUMINAIRE, METAL STANDARD AND BRACKET ARM, SEE DETAIL A/E4 | SYMBOL ⇒ | DESCRIPTION DESCRIPTION |
|--|---|--|--|
| | METAL STANDARD AND BRACKET ARM, | | EVICTING ANGLIOD OLIV |
| j | | | EXISTING ANCHOR GUY |
| | CEE DETAIL A /EA | | ANCHOR GUY PROVIDED BY MECO |
| | SLL DETAIL A/L4 | -×- * -× | EXISTING ANCHOR GUY TO REMOVED BY |
| | | ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ | RESPECTIVE UTILITY COMPANY |
| | | | PUSH-BRACE POLE PROVIDED BY MECO |
| | | | |
| *************************************** | STREET LIGHT, 250 WATT HPS SINGLE LUMINAIRE | | |
| | AND BRACKET ARM, MOUNT ON UTILITY POLE, | —SL— | MECO (STREET LIGHT) DUCTLINE |
| | SEE DETAIL C/E4 | s | EXISTING U.G. STREET LIGHT DUCTLINE AND WIRING |
| ~O | EXISTING STREET LIGHT | —E/0H— | OVERHEAD ELEC/SIGNAL LINES TO BE PROVIDED |
| | | | BY RESPECTIVE UTILITY COMPANY |
| | MEGO O' V A' DDEGACT COMODETE DUIL DOV WITH | —e/oh— | EXISTING OVERHEAD ELEC/SIGNAL LINES |
| · | MECO 2' X 4' PRECAST CONCRETE PULLBOX WITH | e/oh | EXISTING OVERHEAD ELEC/SIGNAL LINES TO BE |
| | PRECAST CONCRETE COVER, PROVIDED IN | *************************************** | REMOVED BY RESPECTIVE UTILITY COMPANY |
| The state of the s | ACCORDANCE WITH MECO STANDARD DRAWING NO. | | - |
| | 30-2005, SEE DETAIL A/E5 | | DUCT SECTION DESIGNATOR, TYPE "A" DUCTLINE |
| | "X" ED OUT INDICATES REMOVE | | TYPE "2L" DUCT INDICATED, SEE SHEET E5 FOR |
| | "/" ED OUT INDICATES RELOCATE | A (2L) | DUCT SECTIONS AND CONDUIT SCHEDULE |
| erene una consecuente en entre de entre entre entre entre en entre entre entre entre entre entre entre entre e | EXISTING UTILITY POLE TO BE REMOVED BY | | DOOT SECTIONS AND CONDUIT SCHEDOLE |
| (°) | RESPECTIVE UTILITY COMPANY | | |
| | EXISTING UTILITY POLE, POLE #50 INDICATED | | |
| | UTILITY POLE, PROVIDED BY MECO | | |
| | EXISTING POLE MOUNTED TRANSFORMER | | |
| | POLE MOUNTED TRANSFORMER PROVIDED | | |
| \wedge | BY MECO | | |
| | | | |

STREET LIGHT STANDARD IDENTIFICATION LEGEND:

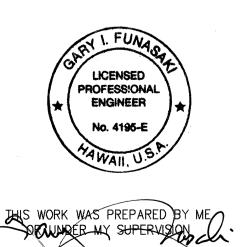
LEGEND

DESCRIPTION

| 1 | 121+93 | STATION NUMBER |
|---|--------|---|
| 2 | 2 | STREET LIGHT POLE NUMBER |
| 3 | 8' | POLE CLEAR SETBACK FROM EDGE OF PAVEMENT |
| 4 | 8' | LUMINAIRE ARM SPAN IN FEET |
| 5 | TB | POLE BASE MOUNTING TYPE, SEE NOTE NO. 2 BELOW |
| 6 | 30' | LUMINAIRE MOUNTING HEIGHT ABOVE PAVEMENT |

SYMBOL NOTES:

- 1. "X" THROUGH DASHED ITEM INDICATES EXISTING ITEM TO BE REMOVED.
- 2. "TB" INDICATES TRANSFORMER BASE MOUNTING.



ELEC SYMBOLS, NOTES

HANA HIGHWAY
INTERSECTION IMPROVEMENTS

HANA HIGHWAY
INTERSECTION IMPROVEMENTS
AT HOBRON AVENUE
FAP NO. STP-036-1 (12)

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

19 Aug 1998 SCALE: AS NOTED

D DATE: MAR. 1999

SHEET No. E1 OF E5 SHEETS

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