

General Electrical Notes

- Electrical Work shall be New Unless Otherwise Noted.
- "Wiring" Indicates Insulated Wires in Conduit.
- Contractor shall Tone to Determine Exact Location of Existing Utilities & Adjust His Work Accordingly.
- 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.
- 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.
- All Electric/Signal Ducts shall have a Vertical Clearance of 1'-0" when Crossing Water/Sewer Lines.
- All Dimensions are Nominal. Verify Exact Dimensions & Equipment Requirements with the Successful Supplier.
- The Contractor shall be Liable for any Damage to Maui Electric Co. Facilities and shall Immediately Report such Damages to Maui 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 will 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.
- Temporary Relocation and/or Bracing of Maui Electric Co. Facilities Necessitated by the Contractor's Operation shall be done by Maui Electric Co. Cost for this Work shall be the Contractor's Expense. The Contractor shall be Responsible for Coordination.
- The Project Site Contains Various Maui Electric Co. Lines Operated at 69KV, 23KV, 12.47KV 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.
- Due to Ongoing Construction & Maintenance, Conditions Indicated in these Drawings may have Changed. Therefore, the Contractor shall verify all Existing Conditions prior to Work.

SYMBOL NOTES:

- "X" Through Symbol Indicates Item to be Removed.
- Abbreviations:
MECO - Maui Electric Company
HTCO - Verizon Hawaii

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-M-04-00	2002	62	63

ELECTRICAL SYMBOLS

SYMBOL		DESCRIPTION
EXST	NEW	
⊙	⊙	250W HPS Hwy Lt Luminaire & Bracket Arm Mtd on Joint Utility Pole by MECO
	⊙	Exst Hwy Lt Luminaire, Bracket Arm to be Removed by MECO
---	---	Guy & Anchor to be Removed by Utility Co
		Utility Wood Pole to be Removed by Utility Co Unless Indicated Otherwise
et/oh		Electric/Signal Overhead Lines to be Removed; by Respective Utility Co
t/oh		Signal Overhead Lines to be Removed by Respective Utility Co
et/oh	ET/OH	Electric/Signal Overhead Service Drop by Respective Utility Co
et/oh		Electric/Signal Overhead Service Drop to be Removed by Respective Utility Co
	T/OH	Signal Overhead Service Drop by Respective Utility Co
t/oh		Hwy Lt Overhead Lines by MECO
e/oh	E/OH	Electric Overhead Lines by MECO
g/oh		Overhead Guy Wire
et/oh	ET/OH	Electric/Signal Overhead Lines By Respective Utility Co.
e/oh		Electric Overhead Service Drop to be Removed by MECO
t/oh		Signal Overhead Service Drop to be Removed by Respective Utility Co
o	o	Joint Utility Wood Pole By MECO Unless Indicated Otherwise
-----	-----	Guy and Anchor By MECO Unless Indicated Otherwise
△	△	Pole Mtd Xfmr by MECO

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE BY	
DATE	

LAST DATE: 04/11/02
BY: [Signature]



THIS WORK WAS PREPARED BY ME
UNLESS MY SUPERVISOR'S
[Signature]

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION NOTES, ELECTRICAL SYMBOLS

TRAFFIC OPERATIONAL IMPROVEMENTS
AT VARIOUS LOCATIONS
HONOAPIILANI HIGHWAY
AT WAIKO ROAD

Scale: AS NOTED Date: April 2002
SHEET No. E-1 OF 2 SHEETS