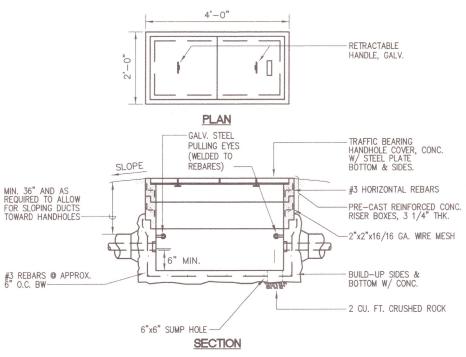


MIN. 3 CU. FT.

SECTION

MIN.

-GRD. ROD



# 2' X 4' HANDHOLE (STREET LIGHTING)

#### NOTES:

- 1. PROVIDE TRAFFIC BEARING TYPE HANDHOLE.
- 2. COMPLY W/ MECO STANDARD.

## 3' x 5' HANDHOLE (SPARE)

SCALE: 3/4" = 1'-0"

#### NOTES:

#3 REBARS 8" O.C. BOTHWAYS

- 1. FURNISH 2 LIFTING HANDLES FOR EACH COVER.
- 2. PROVIDE TRAFFIC BEARING TYPE HANDHOLE.
- 3. COMPLY W/ MECO STANDARD.

### GROUNDING TYPE PLASTIC BUSHING, -PROVIDE WEEPHOLE & GROUT BETWEEN BASEPLATE AND CONCRETE 2 PIECE CLAMSHELL BASE CONNECTING BOLTS & NUTS LEVELING FINISHING NUTS (8 TOTAL) FINISHED GRADE THERMOWELD OR EQUAL #6 BC GRD. WIRE 2" PVC SCHEDULE 40 CONCRETE ENCASED INSTALLED IN 1/2" PVC SLEEVE W/18" SLACK-PROVIDE ADDITIONAL 5/8" x 10"-0" COPPERWELD GROUND ROD AS REQUIRED IF RESISTANCE EXCEEDS 25 OHMS MAXIMUM ALLOWED AT PULL BOX-

#### STREET LIGHT POLE DETAILS

NOT TO SCALE

STRUCTURAL NOTES:

LIGHT POLE BY MECO-

1. SEE MECO CONSTRUCTION DRAWING FOR POLE BASE DETAILS. COORDINATE W/ MECO FOR POLE BASE REQUIREMENT.

#### FED. ROAD DIST. NO. STATE FED. AID PROJ. NO. FISCAL YEAR SHEET NO. TOTAL SHEETS HAWAII HAW. NH-030-1(35)R 2009 170 176

### **ELECTRICAL SYMBOL LIST**

SYMBOL DESCRIPTION  $\bigcirc$ TEMPORARY STREET LIGHT, WOOD POLE, LUMINAIRE AND WIRING BY MECO ♦ / • PERMANENT STREET LIGHT, STEEL POLE, LUMINAIRE AND WIRES BY MECO, CONCRETE LIGHT POLE BASE INCLUDING LIGHT POLE ANCHOR BOLTS, AND XFMR BASE SLIP BASE XFMR BASE/SLIPBASE BY CONTRACTOR UNDERGROUND DUCTLINE WITH 3" CONCRETE JACKET, PROVIDE BY CONTRACTOR. EXPOSED RACEWAY ROUTED BENEATH BRIDGE DECKING, PROVIDE BY CONTRACTOR. ---O/H---OVERHEAD WIRING BY MECO OR AS NOTED. S HANDHOLE FOR FUTURE USE 3'X5' OR AS NOTED, PROVIDED BY CONTRACTOR LIGHTING HANDHOLE 2'X4' OR AS NOTED, PROVIDED BY CONTRACTOR (T) HAWAIIAN TELCOM MANHOLE 6'X12' OR AS NOTED, PROVIDED BY CONTRACTOR

#### **GENERAL NOTES:**

- 1. PROVIDE 2'X4' LIGHTING HH AT EVERY PERMANENT POLE LIGHT. SEE MECO CONSTRUCTION DRAWINGS.
- 2. RELOCATION OF UTILITY LINES ALONG LAHAINALUNA ROAD AFFECTED BY THE CONSTRUCTION OF THE DETOUR ROAD AND OFF-RAMP WILL BE DONE BY UTILITY COMPANIES.
- 3. WIRING EXCLUDING RACEWAYS FOR PERMANENT STREET LIGHTS WILL BE DONE BY MECO.
- 4. VERIFY ALL REQUIREMENT PERTAINING TO LIGHTING AND POWER W/ MECO-MAUI REPRESENTATIVE ALEX IDICA 872-3203, TELEPHONE WITH HAWAIIAN TELCOM-MAUI REPRESENTATIVE SHERIANN TIHADA 242-5258, CATV WITH OCEANIC-MAUI BILL HANKE 877-4425 X838. SEE UTILITY COMPANIES CONSTRUCTION DRAWINGS.
- 5. ALL INFRASTRUCTURES SUCH AS CONDUITS, HANDHOLES/MANHOLES AND JUNCTION BOXES ETC. SHALL BE PROVIDE BY CONTRACTOR. UNLESS NOTED OTHERWISE.
- 6. DEMOLITION WORKS INVOLVING STREET LIGHTS AND ASSOCIATED WIRING, INCLUDING MECO OWNED EQUIPMENT WILL BE PERFORMED BY MECO



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

/ Comb Cyrim APRIL 30, 2010
NAKAMURA, OYAMA & ASSOC. LIC. EXP. DATE

DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SYMBOL LIST,

GENERAL NOTES

HONOAPIILANI HIGHWAY REALIGNMENT, PHASE 1A
Future Keawe St Extension to Lahainaluna Rd
Part A: Off Ramp Mass Grading
Fed. Aid Proj. No. NH-030-1(35)R

Scale: As Noted

1 OF 5 SHEETS

Date: April, 2009

