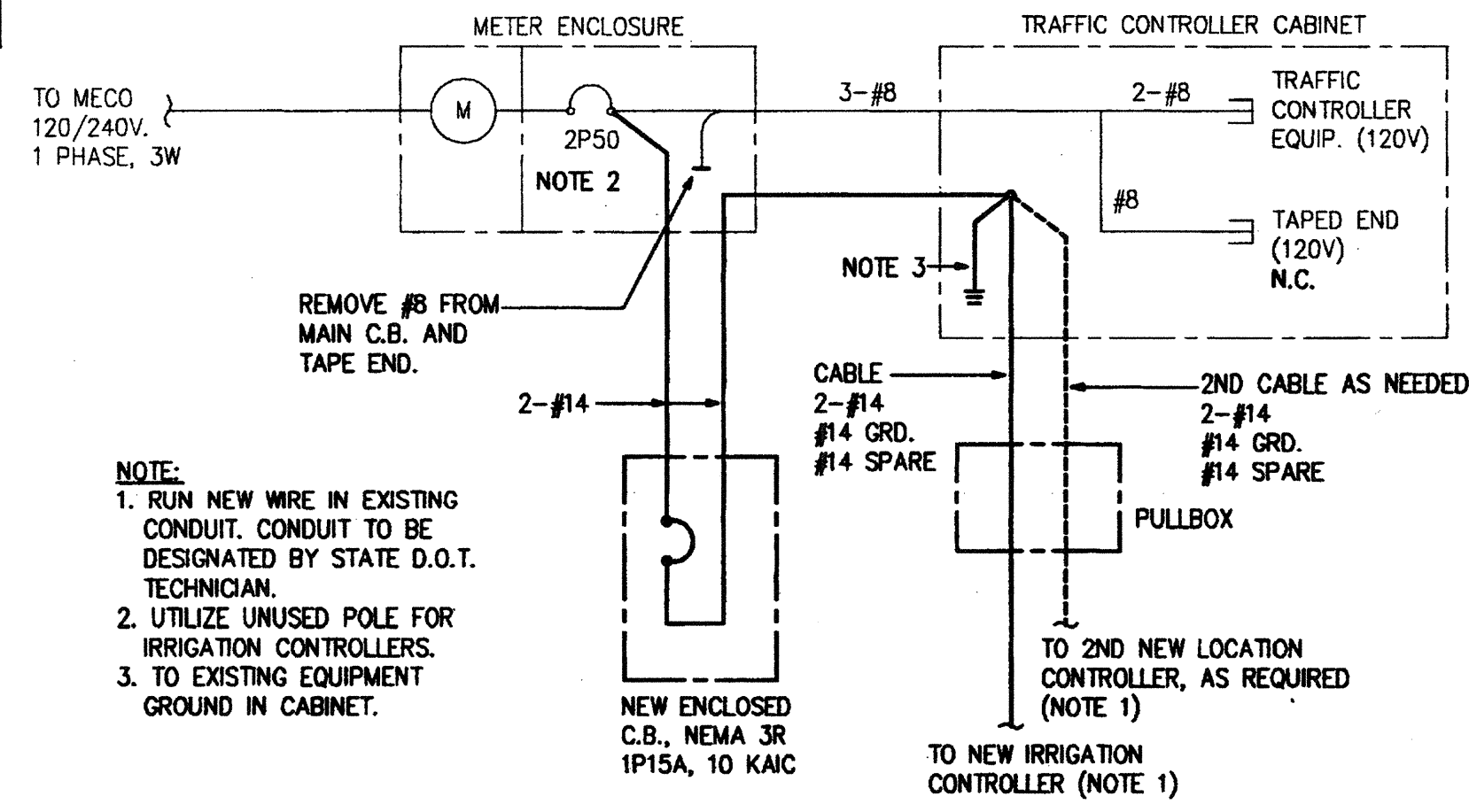
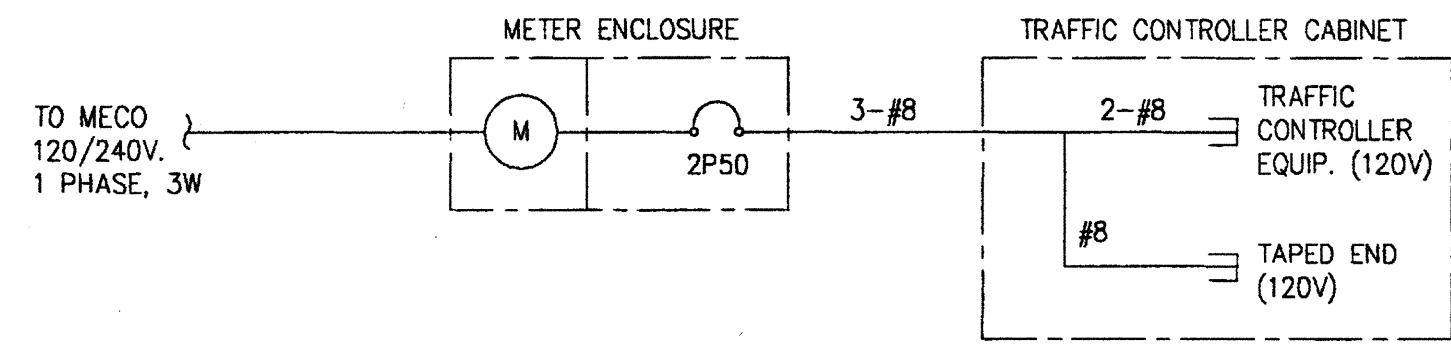
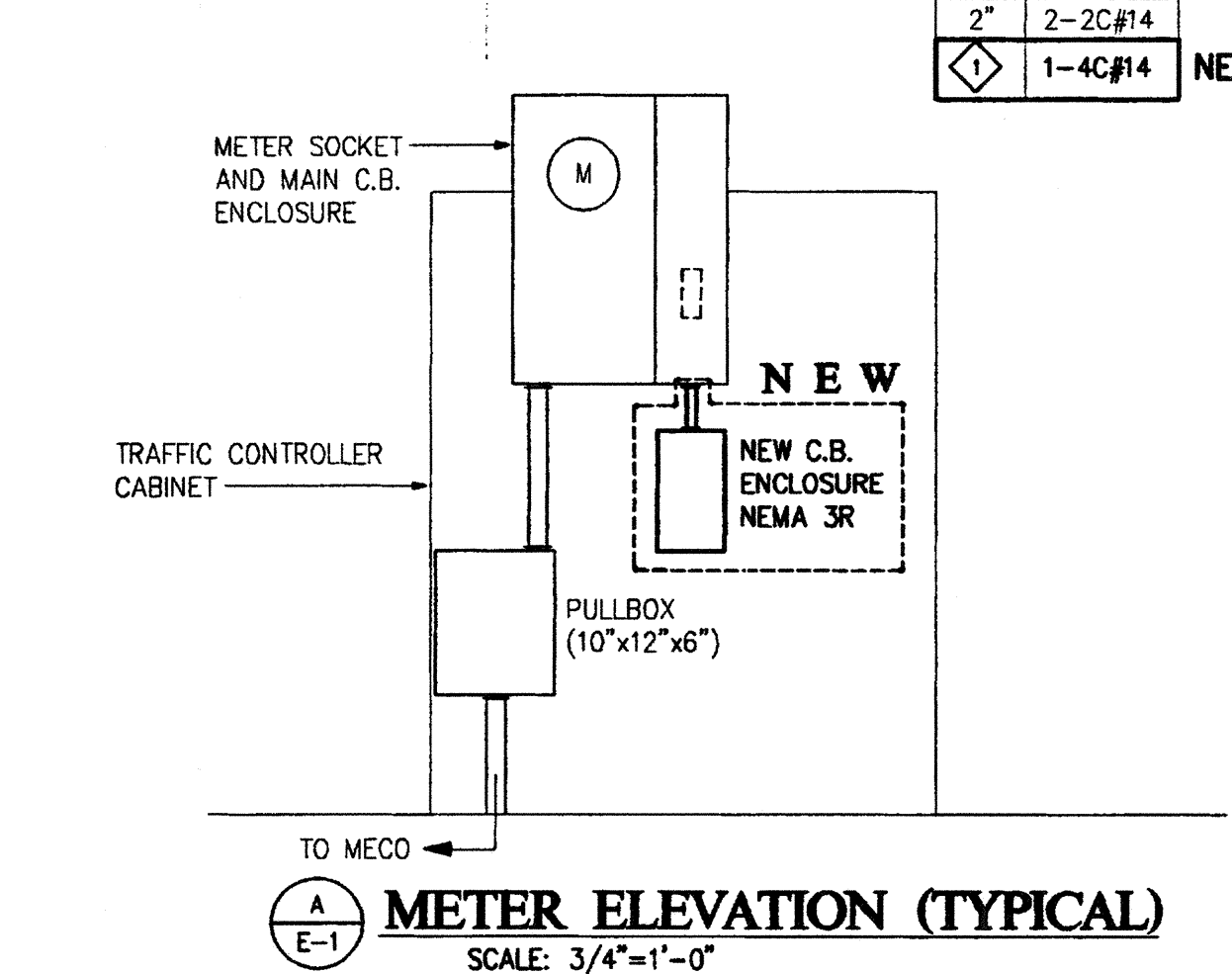
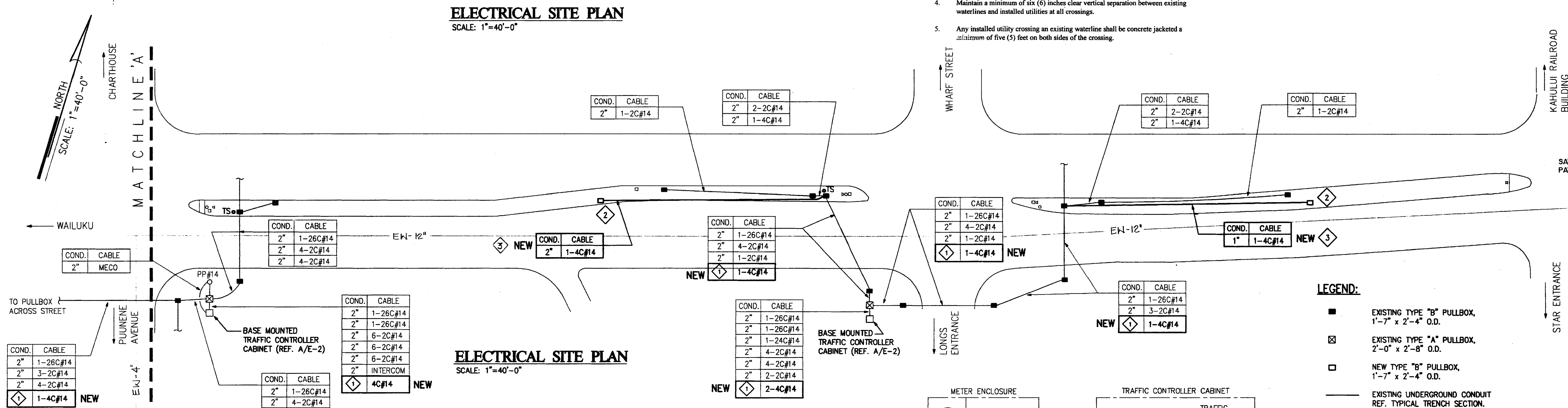
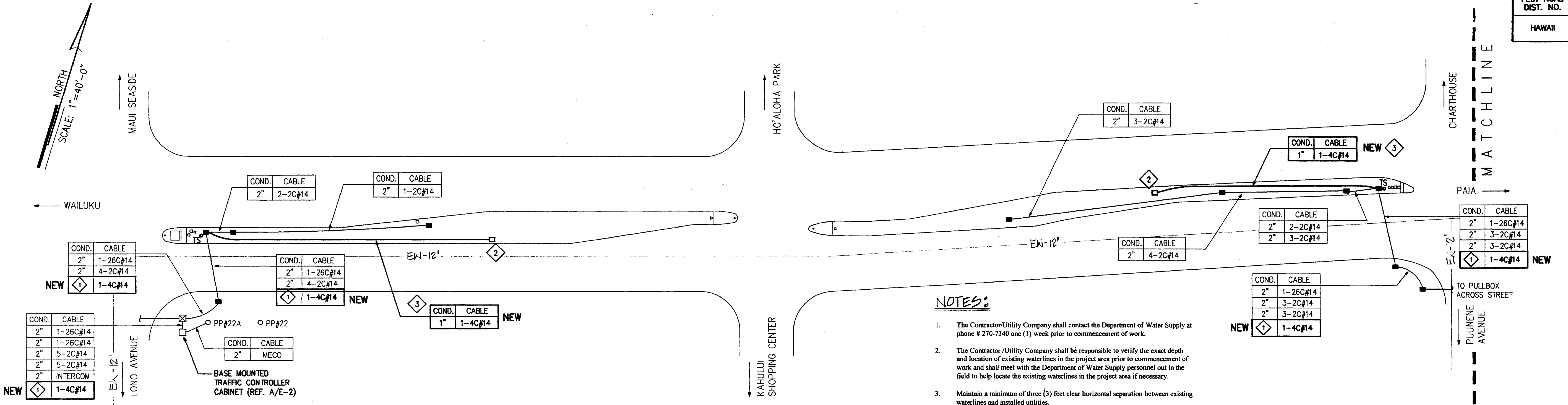


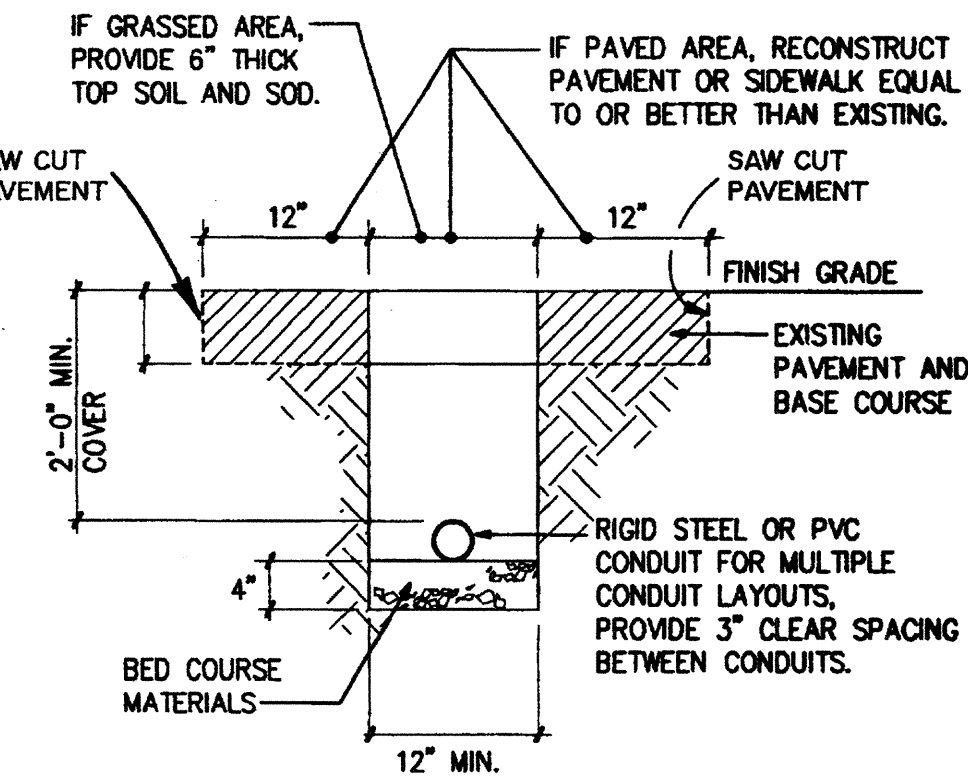
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HI.	STP- 032-1 (7)	2001	11	11



- NOTES:**
1. INSTALL NEW IRRIGATION BRANCH CIRCUIT CONDUITS IN EXISTING TRAFFIC SIGNAL CONDUIT AND PULLBOXES WITH EXISTING CABLES ACROSS SIDEWALKS AND ROADWAYS. CONDUIT AND PULLBOXES TO BE USED SHALL BE DESIGNATED BY STATE DEPARTMENT OF TRANSPORTATION, D.O.T. AND CONTRACTOR SHALL DETERMINE IF EXISTING CABLES ARE TO BE REMOVED AND RE-INSTALLED WITH NEW IRRIGATION BRANCH CIRCUIT CONDUCTORS.
  2. IRRIGATION CONTROLLER CABINET (BY OTHERS). COORDINATE WITH LANDSCAPE DRAWINGS FOR LOCATION AND DETAIL. ELECTRICAL CONTRACTOR SHALL TERMINATE POWER CONNECTIONS ON THE IRRIGATION CONTROLLER GROUND CABINET AND ALL EXPOSED METAL PARTS WITH GREEN GROUNDING CONDUCTOR. INSTALL 5/8" x 8"-0" GROUND ROD AND #8 B.C. GROUND WIRE IN 1/2" CONDUIT TO GROUNDING LUG IN CABINET.
  3. INSTALL CONDUIT CLOSE TO CURB.

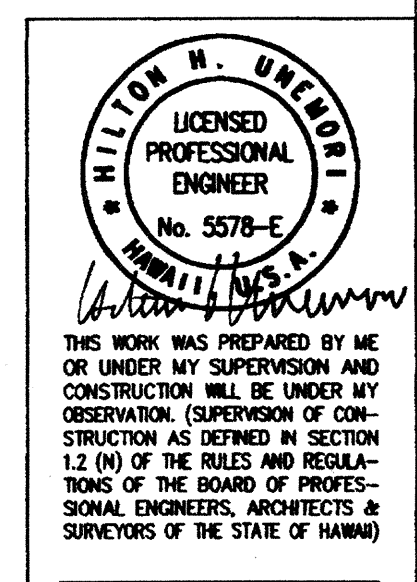
- NOTES:**
1. The Contractor/Utility Company shall contact the Department of Water Supply at phone # 270-7340 one (1) week prior to commencement of work.
  2. The Contractor/Utility Company shall be responsible to verify the exact depth and location of existing waterlines in the project area prior to commencement of work and shall meet with the Department of Water Supply personnel out in the field to help locate the existing waterlines in the project area if necessary.
  3. Maintain a minimum of three (3) feet clear horizontal separation between existing waterlines and installed utilities.
  4. Maintain a minimum of six (6) inches clear vertical separation between existing waterlines and installed utilities at all crossings.
  5. Any installed utility crossing an existing waterline shall be concrete jacketed a minimum of five (5) feet on both sides of the crossing.

- LEGEND:**
- EXISTING TYPE "B" PULLBOX, 1'-7" x 2'-4" O.D.
  - ▣ EXISTING TYPE "A" PULLBOX, 2'-0" x 2'-8" O.D.
  - NEW TYPE "B" PULLBOX, 1'-7" x 2'-4" O.D.
  - EXISTING UNDERGROUND CONDUIT REF. TYPICAL TRENCH SECTION.
  - NEW UNDERGROUND CONDUIT REF. TYPICAL TRENCH SECTION
  - EXISTING POWER POLE (PP)
  - TS TRAFFIC SIGNAL POLE
  - COND. CONDUIT
  - GRD. GROUND ROD WITH GROUND CLAMP AND BARE COPPER GROUNDING CONDUCTOR.



**TYPICAL TRENCH SECTION (NON ROADWAY)**  
NOT TO SCALE

**NOTE:**  
1. ALL CONDUITS UNDER ROADWAY SHALL BE STEEL OR PVC SCHEDULE 80. ALL OTHER CONDUITS SHALL BE STEEL OR PVC SCHEDULE 40.



REVISION	DATE	DESCRIPTION	MADE BY	APPROVED

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ELECTRICAL PLAN**

**KAAHUMANU AVENUE  
LANDSCAPE IMPROVEMENTS**

**PHASE 1 FROM LONO AVENUE TO HANA HIGHWAY**

**KAHULUI, MAUI, HAWAII**