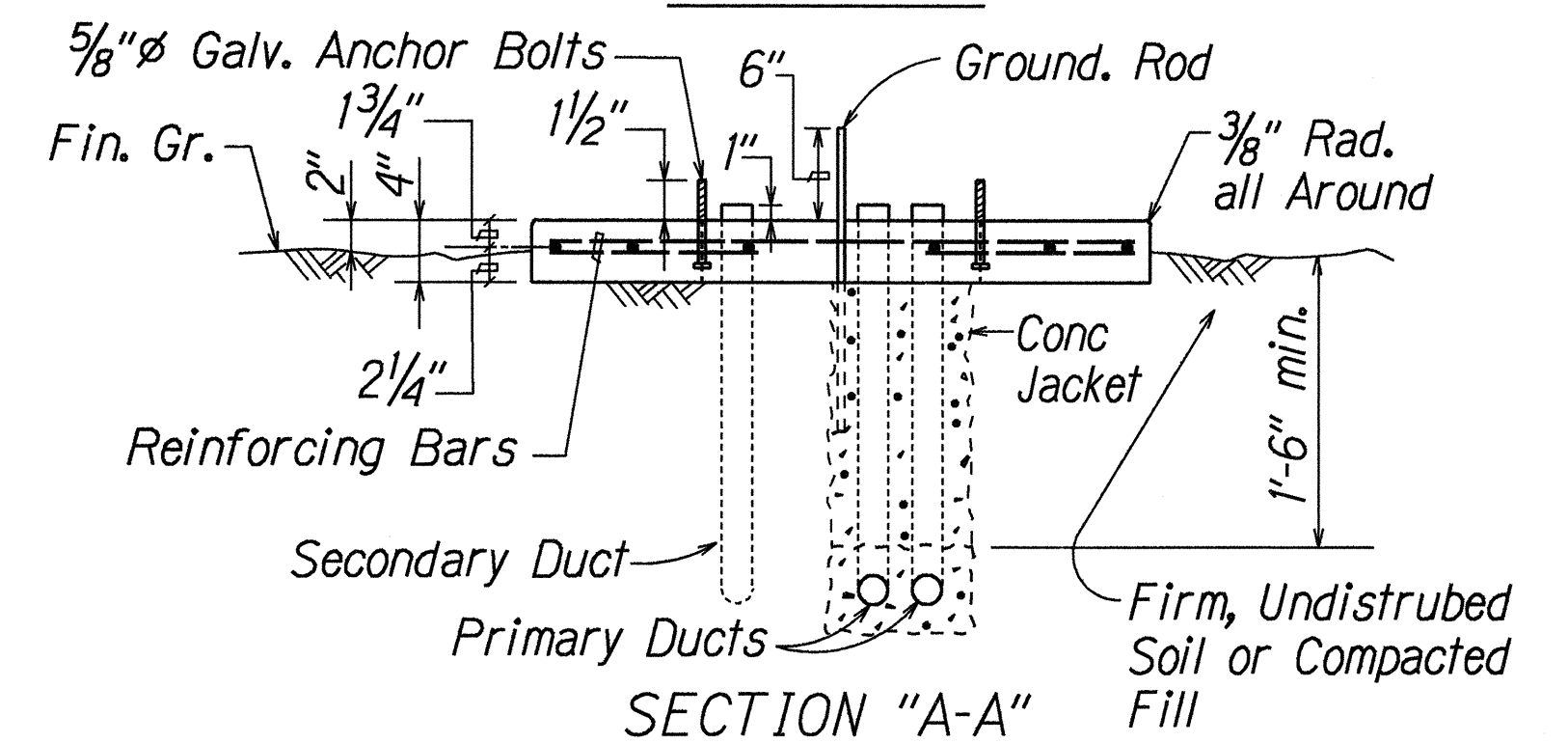


1. Contractor to arrange Service Connection with HECO.
2. Contractor shall make all electrical connections to controller, provide breakers, ground and 2" PVC conduit, schedule 80.
3. HECO to furnish and install transformer.
4. Contractor to construct concrete transformer pad.
5. Contractor shall provide all new concrete encased primary ductbank from designated HECO facilities to padmounted transformer.
6. HECO shall provide and install primary cable & connections to padmounted transformer.
7. Connection from transformer secondary to 2'x4' service box shall be by HECO.
8. Connection from meter to 2'x4' service box shall be by Contractor.
9. Contractor shall coordinate with HECO for breaking into HECO manhole.
10. Contractor shall provide HECO four weeks advance notice for any work by HECO.
11. A HECO standby man is required to be at the site at the time any non-utility company personnel will be breaking into or entering any facilities that contain energized utility company equipment or cables.
12. Three working days advance notice is required by the HECO for any inspection service or standby man. Call - phone no. 543-5668.
13. The installation of the meter pedestal for underground service will not be paid for separately but considered incidental to the Meter Socket and Breaker (50 amps).
14. Electrical Service Connection work by HECO forces and HECO furnished equipment and materials shall be paid for under Item No. 623.9003 - Electrical Service Connection by HECO.
15. Payment for items of work that have contract unit prices will be made under the applicable contract unit prices.
16. Working drawings for permanent installation of HECO facilities shall be provided by HECO.

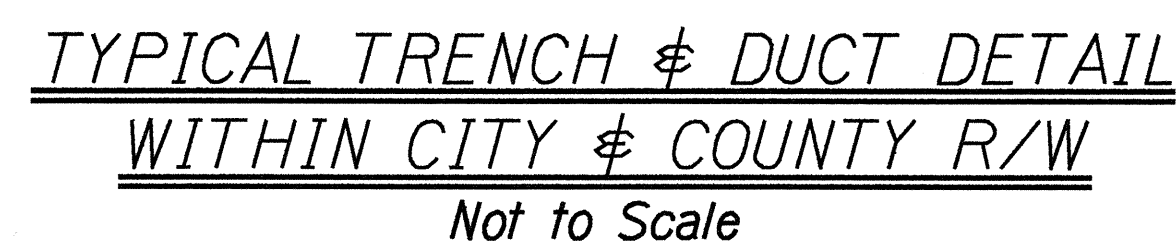
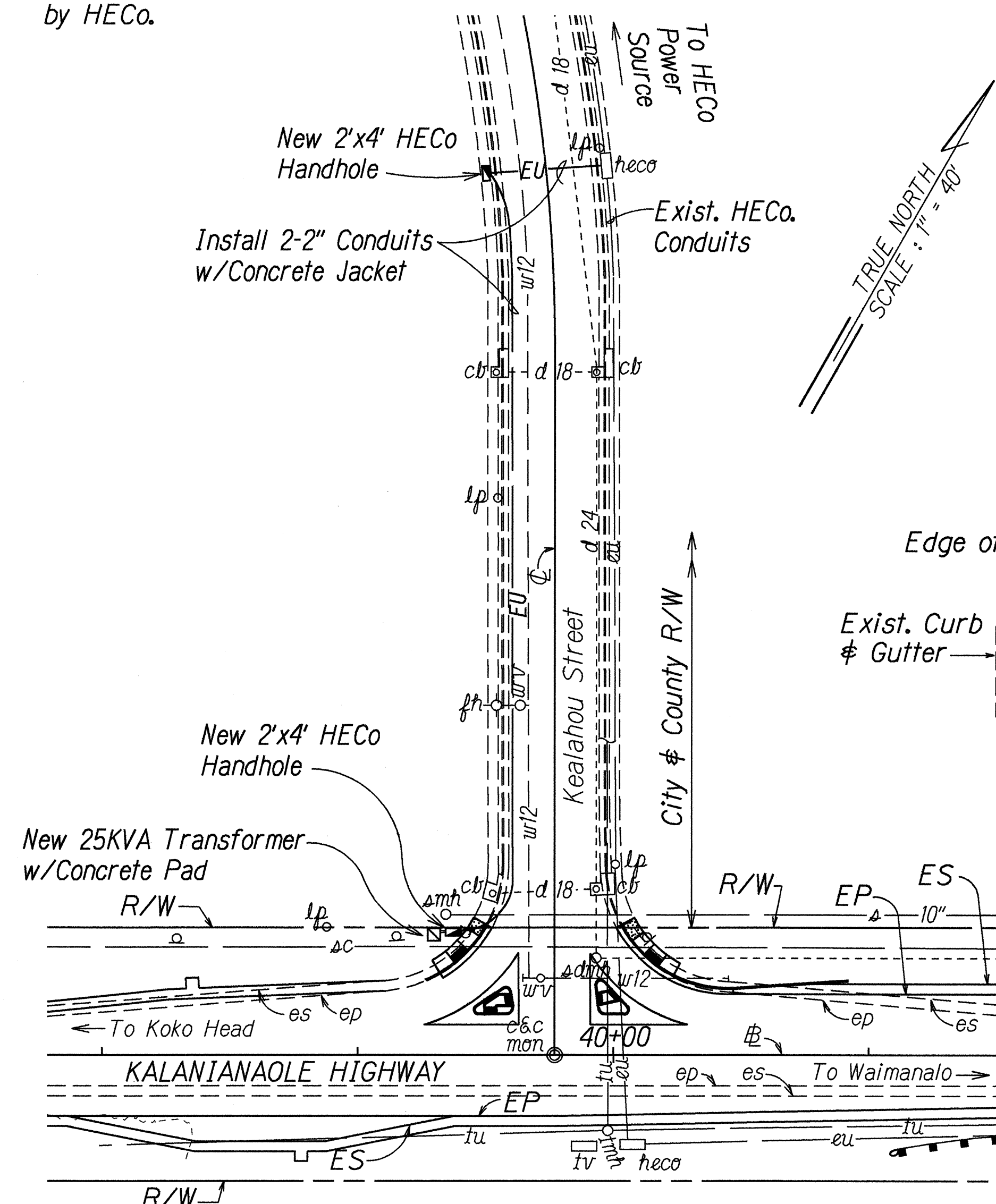


1. Refer to Specification CS 7001 (Construction of Std. UG Facilities)
2. Refer to "Guide for Handhole Application - 12KV" for proper application of service box with type and size of 12KV cable
3. Contractor may install either the preferred or optional arrangements of service box units
4. 5/8" dia. x 8'-0" copper ground rod shall be furnished by HECO and installed by the Contractor whenever specified. The rod shall be installed in the corner, 6" away from each wall and 6" above the final floor grade.



1. Compressive strength of concrete: 3000 PSI in 28 days.
2. Reinforcing bars shall be clean deformed bars and new.
3. Cure concrete by approved method (ASTM A15).
4. Top of concrete pad to be smooth, true and level, free from defects.
5. Contractor has option of furnishing cast-in-place or precast concrete transformer pad.

Not to Scale



1. Maintain 6" vertical clear separation from water lines 16" or less at water crossings.
2. Maintain 12" vertical clear separation from water lines larger than 16" at water crossings.
3. Maintain 3'-0" min. horizontal clear separation between all water lines systems when paralleling the water system.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HECO ELECTRICAL SERVICE PLAN

KALANIANA'OLE HIGHWAY
Intersection Improvements at Kealahou Street
Fed. Aid Project No. STP-072-1(42)

Scale: As Shown Date: Sept., 1995

SHEET No. 1 OF 1 SHEETS