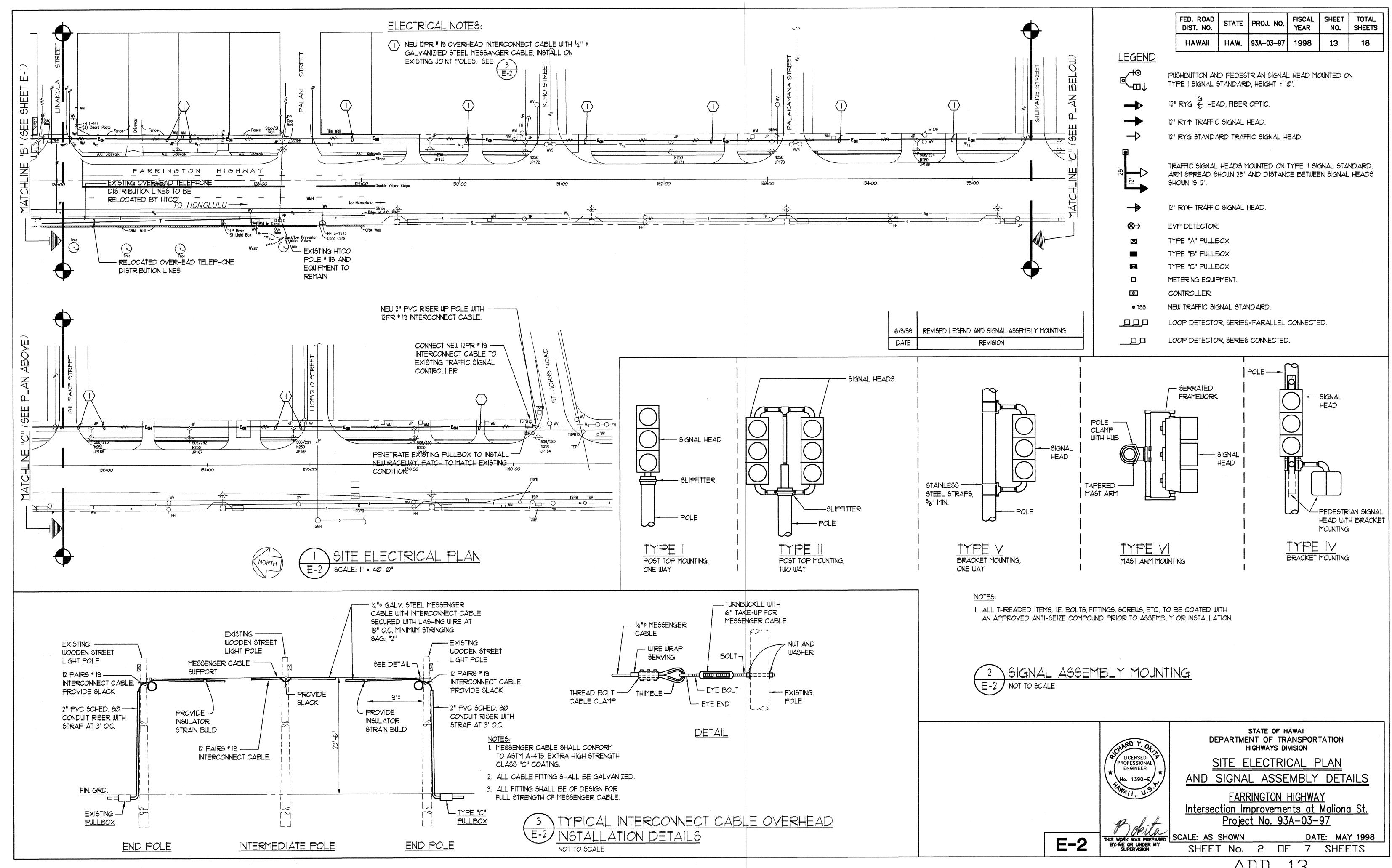
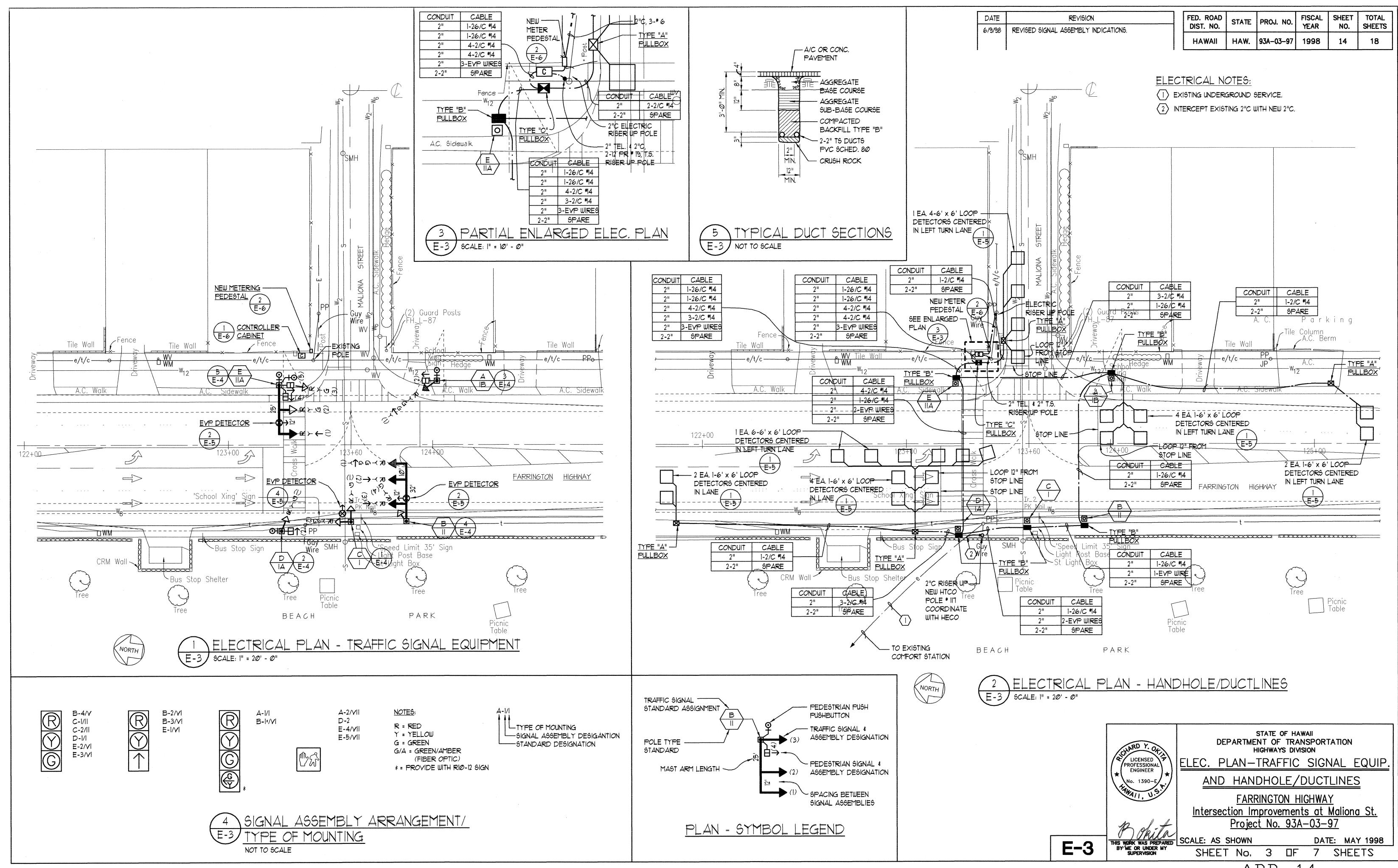
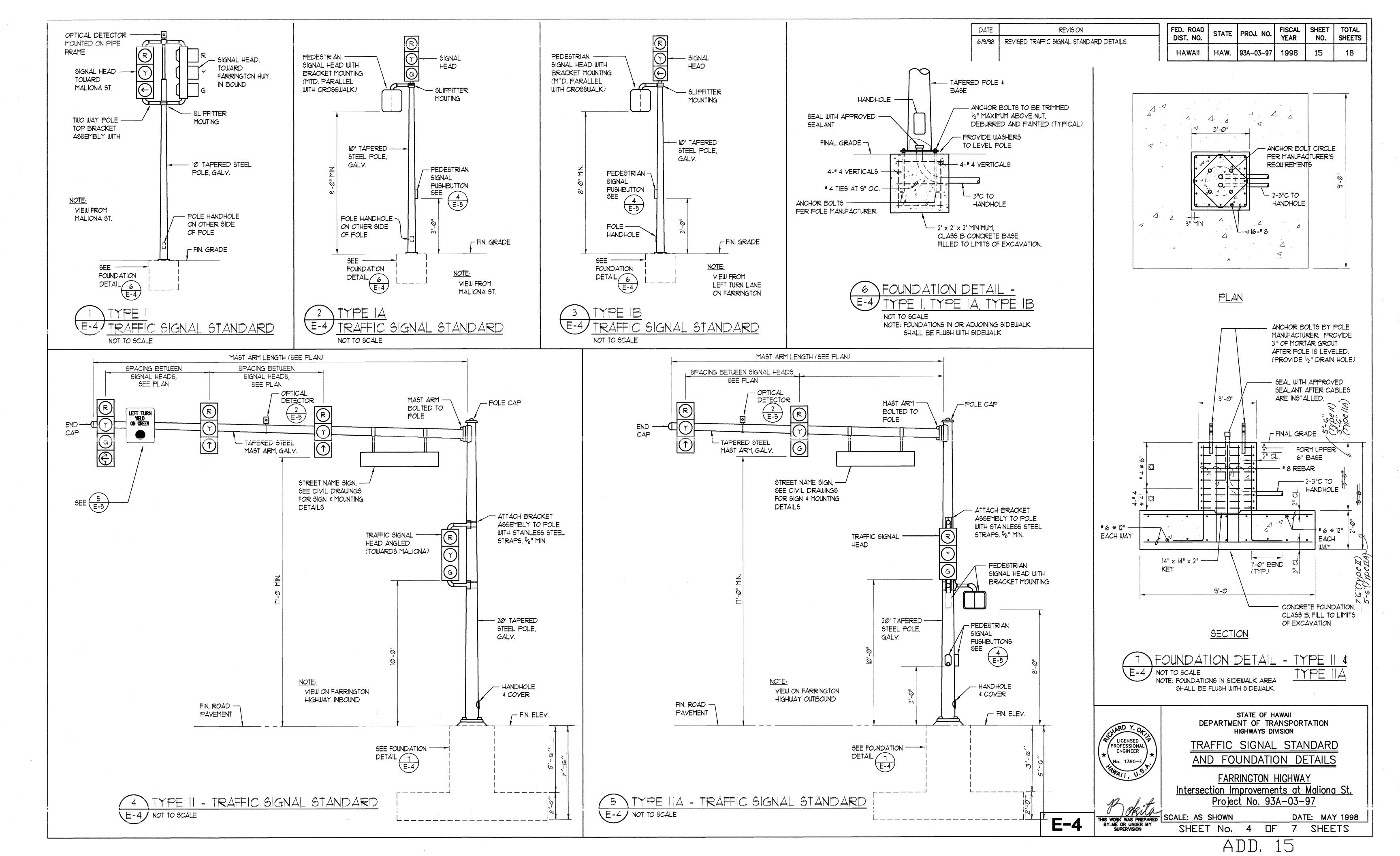


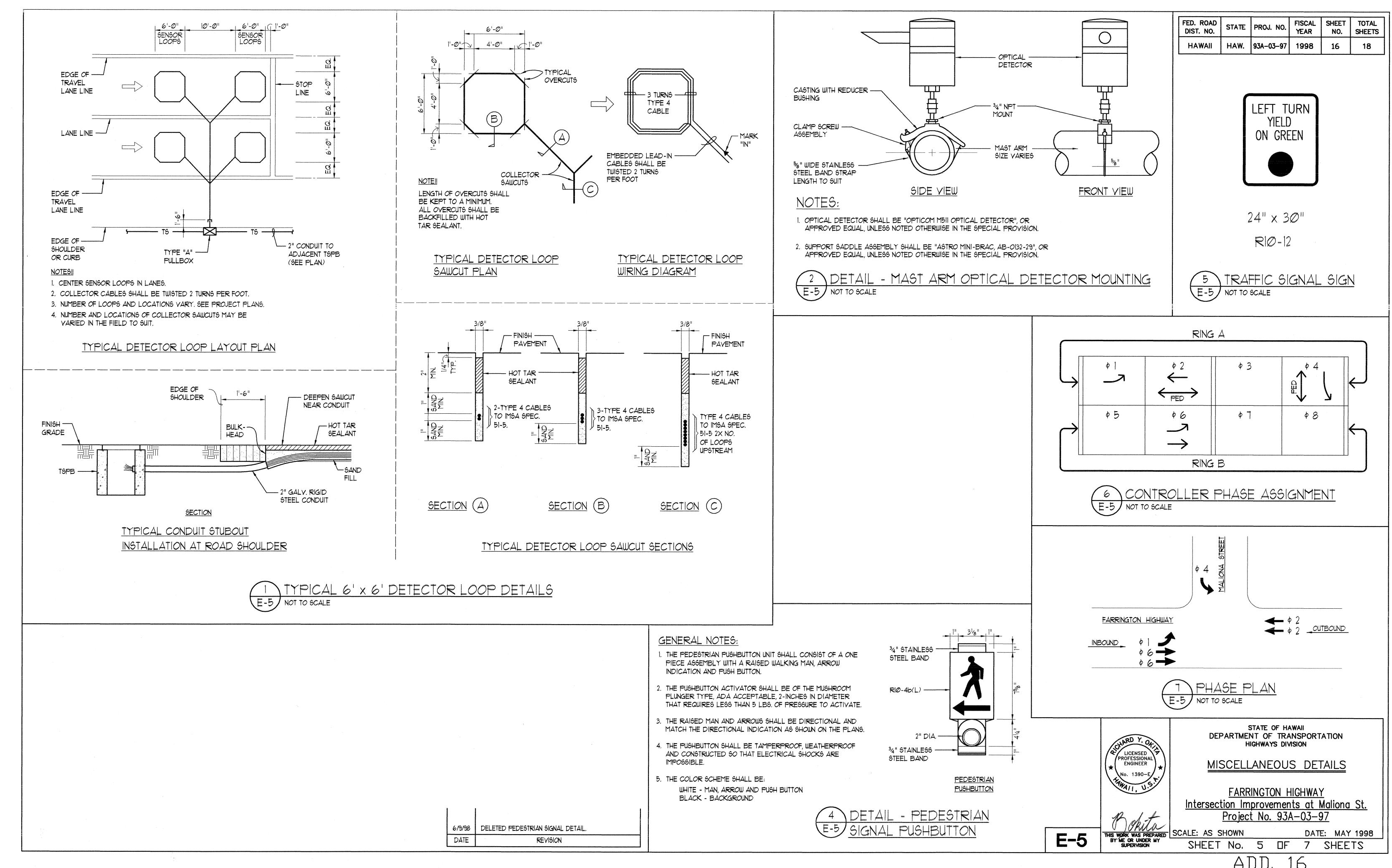
ADD. 12



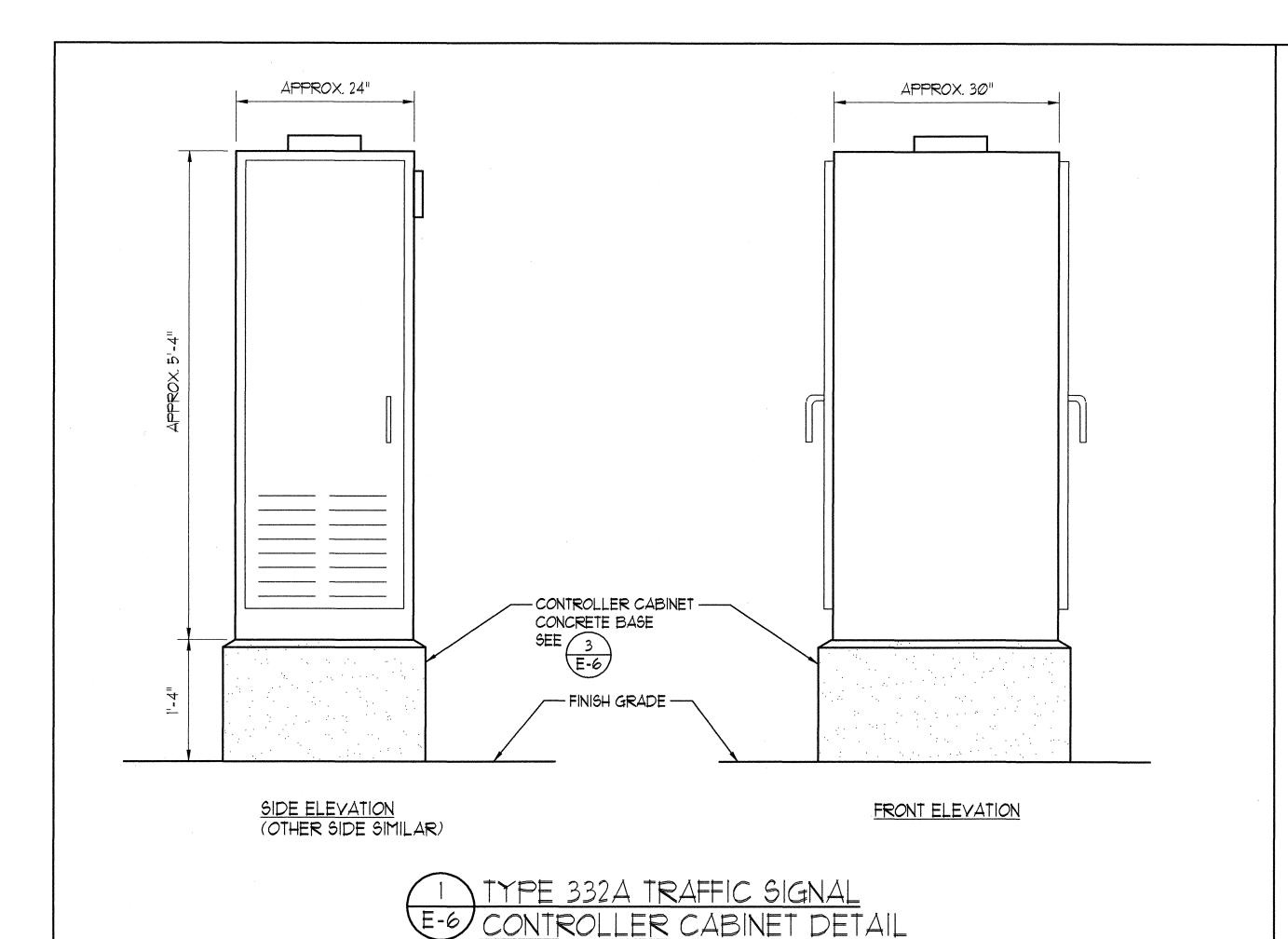


AND. 14

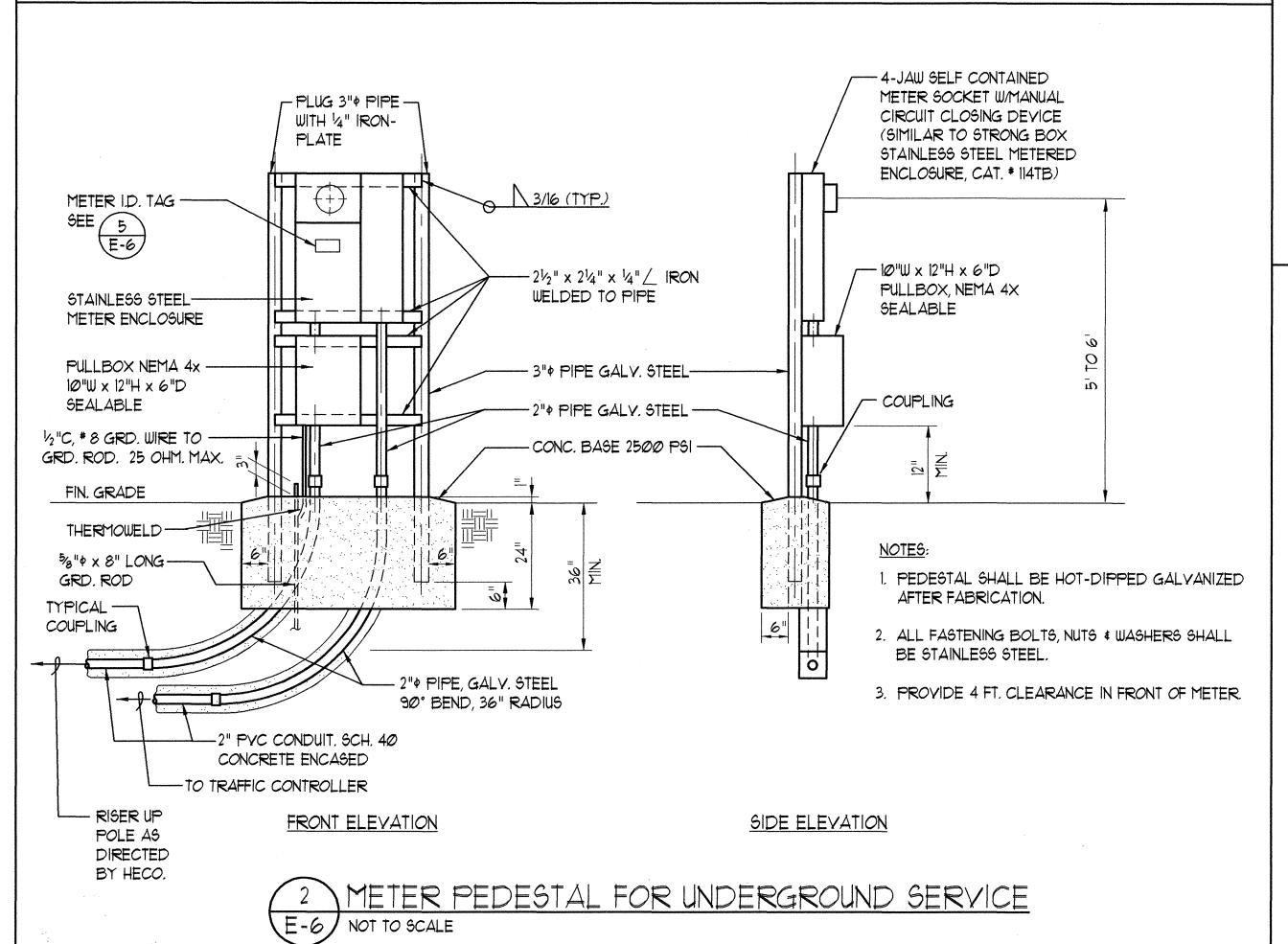


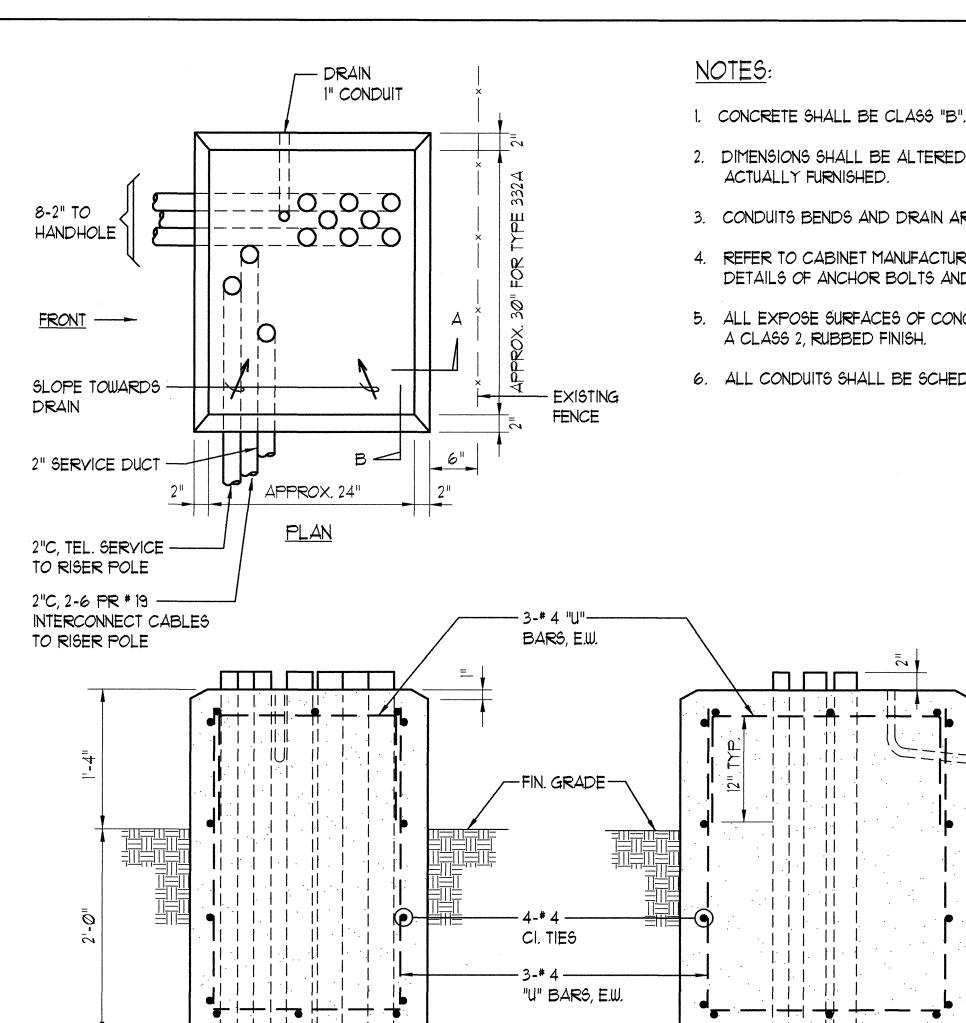


ADD. 16



NOT TO SCALE





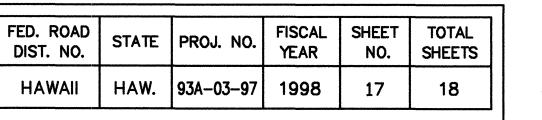
CONTROLLER CABINET CONCRETE BASE E-6) NOT TO SCALE

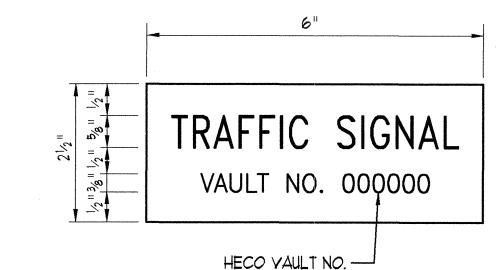
SECTION"A"

SECTION "B"

- 2. DIMENSIONS SHALL BE ALTERED TO SUIT CONTROLLER CABINET
- 3. CONDUITS BENDS AND DRAIN ARE INCIDENTAL TO CONCRETE BASE.
- 4. REFER TO CABINET MANUFACTURER'S SPECIFICATIONS FOR DETAILS OF ANCHOR BOLTS AND BASE SETTING.
- 5. ALL EXPOSE SURFACES OF CONCRETE BASE SHALL BE GIVEN
- 6. ALL CONDUITS SHALL BE SCHEDULE 40 AND ENCASED IN CONCRETE.

-SCREENED OPENING

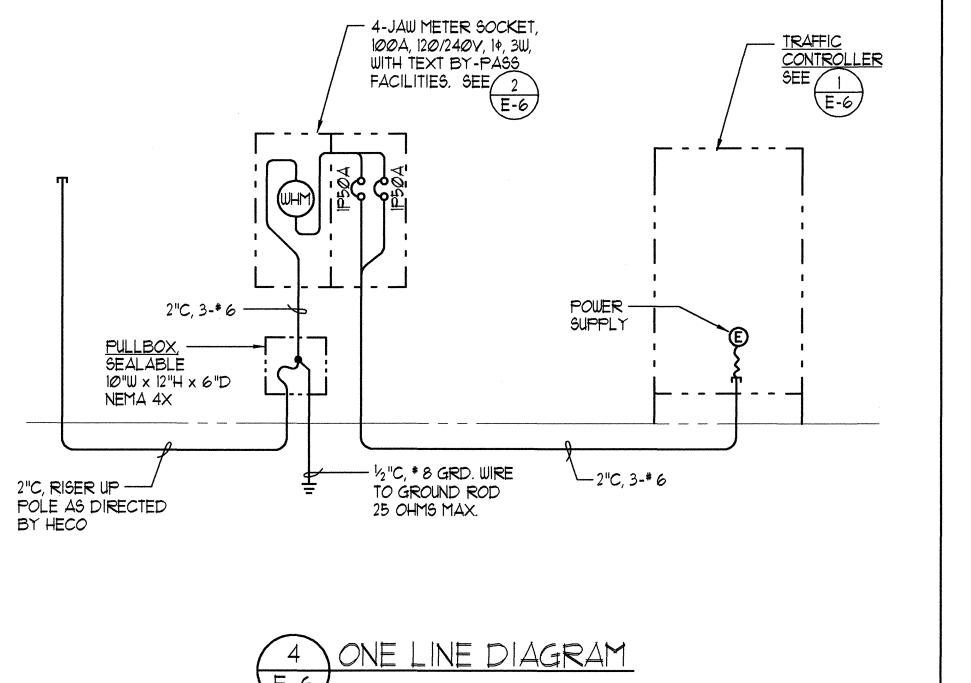


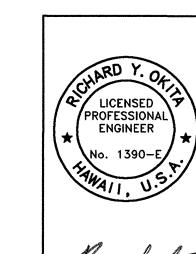


NOTES:

- 1. USE 3-PLY LAMINATED FLEXIBLE PLASTIC, BLACK-WHITE-BLACK. THICKNESS: 0.010" - BLACK CAP SHEET 0.052" - WHITE BASE SHEET ØØIØ" - BLACK BASE SHEET
- 2. ATTACH TO METER SOCKET USING SCOTCH 3M BRAND YERY HIGH BOND (YHB) DOUBLE COATED ACRYLIC FOAM TAPE OR EQUIVALENT.
- 3. LETTERS/NUMBERS SHALL BE 1/16" STROKE, (WHITE IN COLOR).
- 4. LETTERS/NUMBERS AREA INSCRIBED BY CUTTING THROUGH "BLACK CAP SHEET" TO EXPOSE WHITE LETTERS NUMBERS.







STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

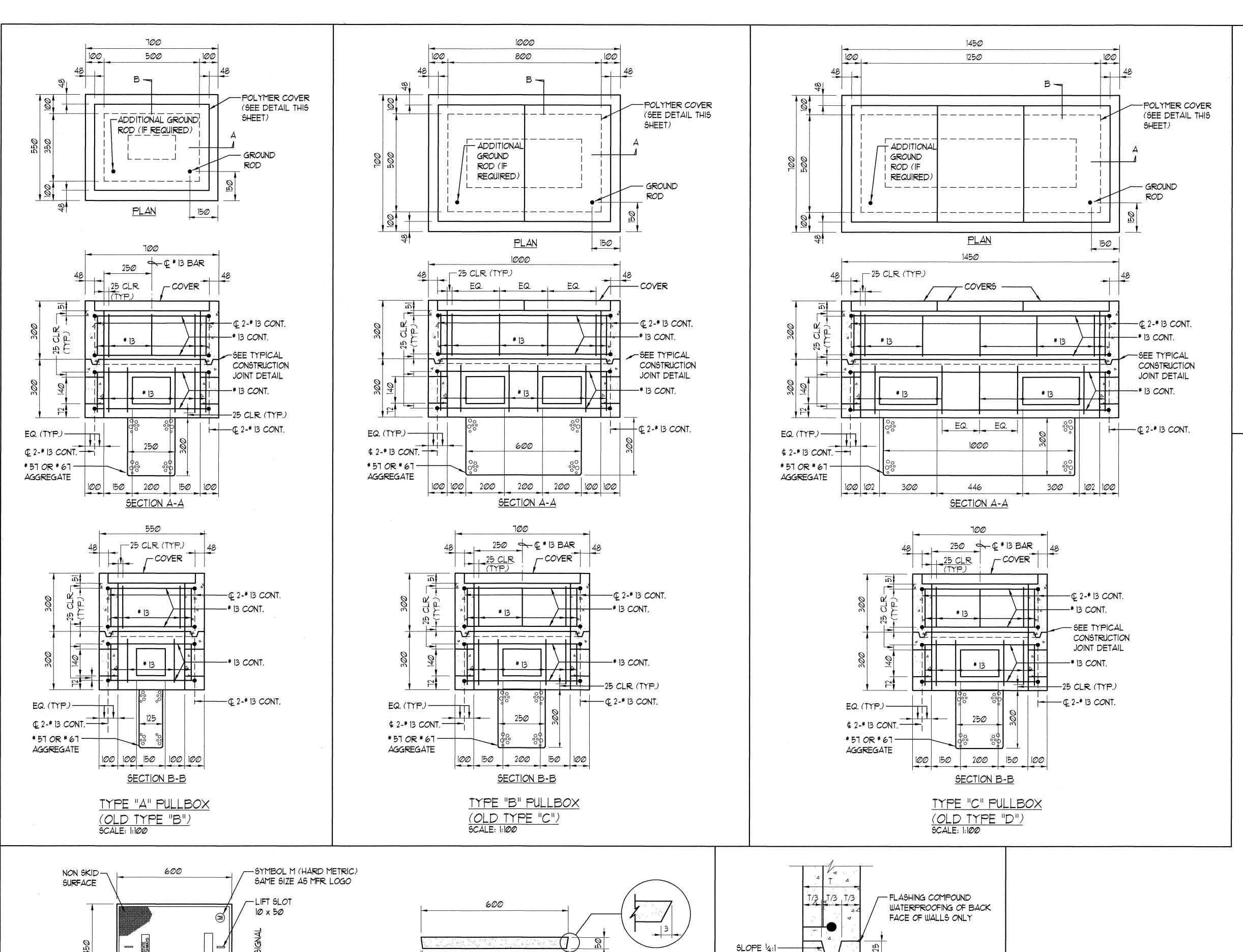
TRAFFIC SIGNAL DETAILS

FARRINGTON HIGHWAY Intersection Improvements at Maliona St. Project No. 93A-03-97

THIS WORK WAS PREPARED SCALE: AS SHOWN
BY ME OR UNDER MY
SUPERVISION SHFFT No

DATE: MAY 1998 SHEET No. 6 OF 7 SHEETS

E-6



TYPICAL CONSTRUCTION

JOINT DETAIL NOT TO SCALE

594

ELEVATION

POLYMER CONCRETE COVER

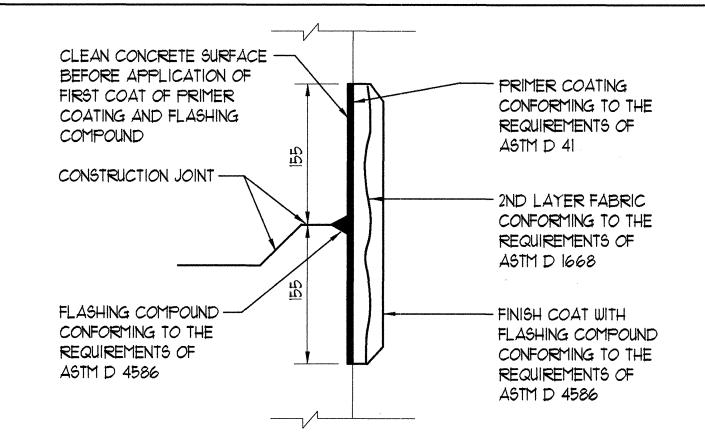
MANUFACTURER'S -

LOGO

FISCAL SHEET FED. ROAD TOTAL STATE PROJ. NO. YEAR DIST. NO. NO. SHEETS 93A-03-97 1998 18 HAW. 18

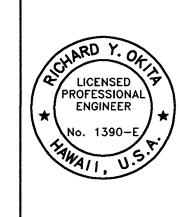
GENERAL NOTES:

- PROVIDE A MINIMUM OF ONE 160 x 2.5M COPPERWELD GROUND ROD IN EACH PULLBOX. WHEN DIRECTED BY THE TRAFFIC SIGNAL INSPECTOR/ENGINEER, INSTALL ADDITIONAL GROUND RODS. COST OF GROUND RODS SHALL BE INCIDENTAL TO THE PULLBOXES.
- 2. ALL PRE-CAST CONCRETE PULLBOXES SHALL BE MANUFACTURED IN TWO PIECES.
- 3. THE PULLBOX WITH COVER SHALL BE CAPABLE OF SUPPORTING AN MS 18 LOADING.
- 4. THE MAXIMUM WEIGHT OF THE PULLBOX COVER SHALL NOT EXCEED 27 KILOGRAMS.
- 5. THE OPENINGS FOR THE CONDUIT ON ALL PULLBOXES SHALL BE PRE-CAST CONCRETE KNOCKOUTS.
- 6. AFTER INSTALLING THE CONDUITS IN THE OPENINGS OF THE PULLBOXES, THE CONTRACTOR SHALL FILL THE EXCESS OPENING IN THE PRE-CAST KNOCKOUTS WITH CONCRETE MORTAR.
- 1. PRIOR TO INSTALLING THE PULLBOXES, THE CONTRACTOR SHALL LEVEL THE BOTTOM OF THE TRENCH AND ACHIEVE A MINIMUM OF 95% RELATIVE COMPACTION OF THE BOTTOM OF THE TRENCH.
- 1. ALL CONCRETE SHALL BE CLASS A (25MPA, MIN.).
- 9. REBARS SHALL BE GRADE 300 AND ALL LAPPED SPLICES SHALL BE 360MM MINIMUM.
- 10. THE #57 OR #67 SIZE AGGREGATE SHALL CONFORM TO LATEST VERSION OF AASHTO M43
- 11. TYPE "C" PULLBOX SHALL BE INSTALLED IN A LOCATION PROTECTED FROM YEHICULAR TRAFFIC (I.E. RAISED SIDEWALK, BEHIND A.C. CURBS, TRAFFIC SIGNAL STANDARD OR PIPE GUARDS)



TYPICAL FLASHING COMPOUND WATERPROOFING DETAILS NOT TO SCALE

> ALL DIMENSIONS ARE IN MILIMETERS UNLESS OTHERWISE SHOWN



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

PULLBOX AND COVER DETAILS

FARRINGTON HIGHWAY

THIS WORK WAS PREPARED SCALE: AS SHOWN SUPERVISION

Intersection Improvements at Maliona St. Project No. 93A-03-97 DATE: MAY 1998

E-7

SHEET No. 7 DF 7 SHEETS