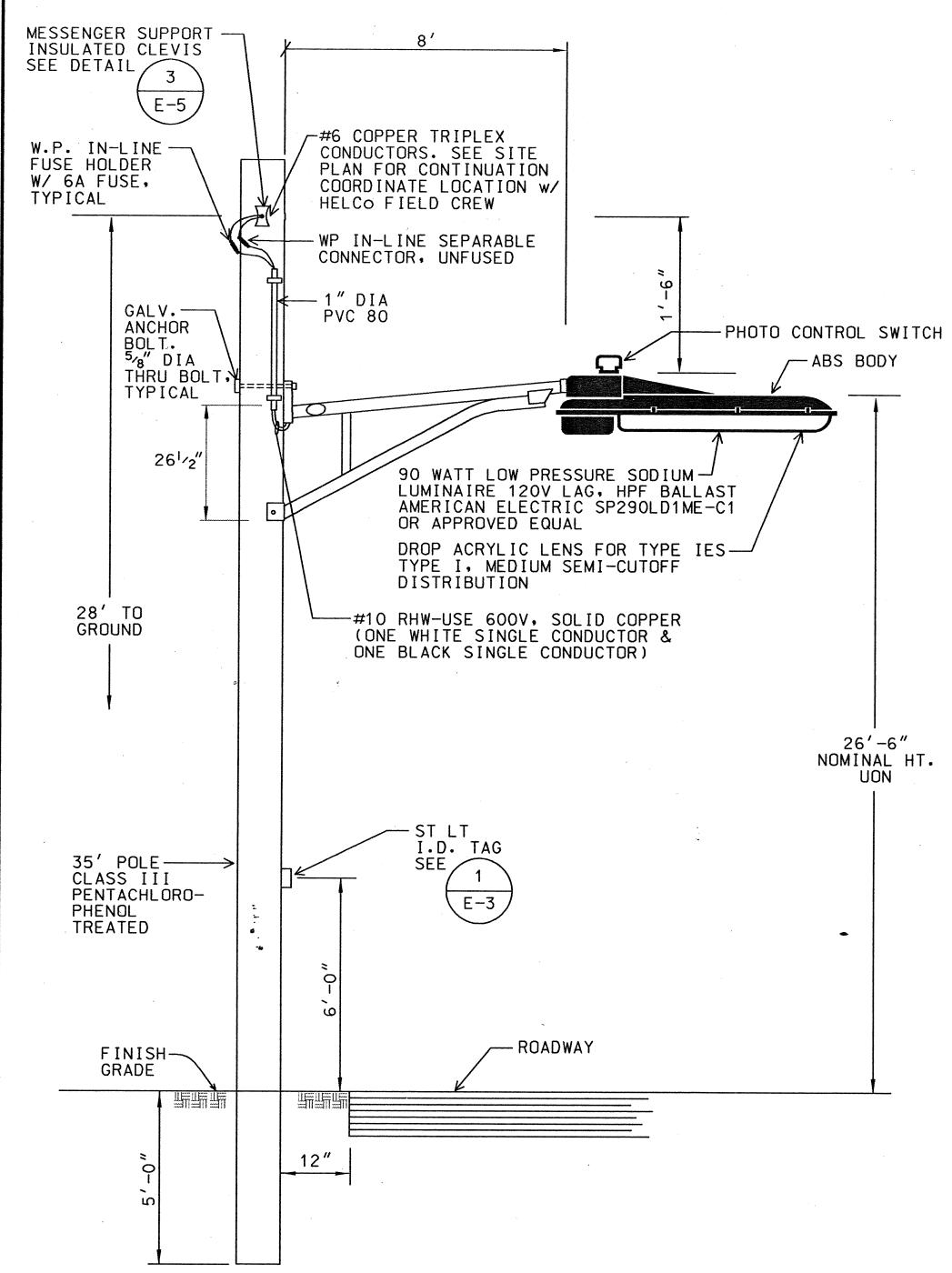
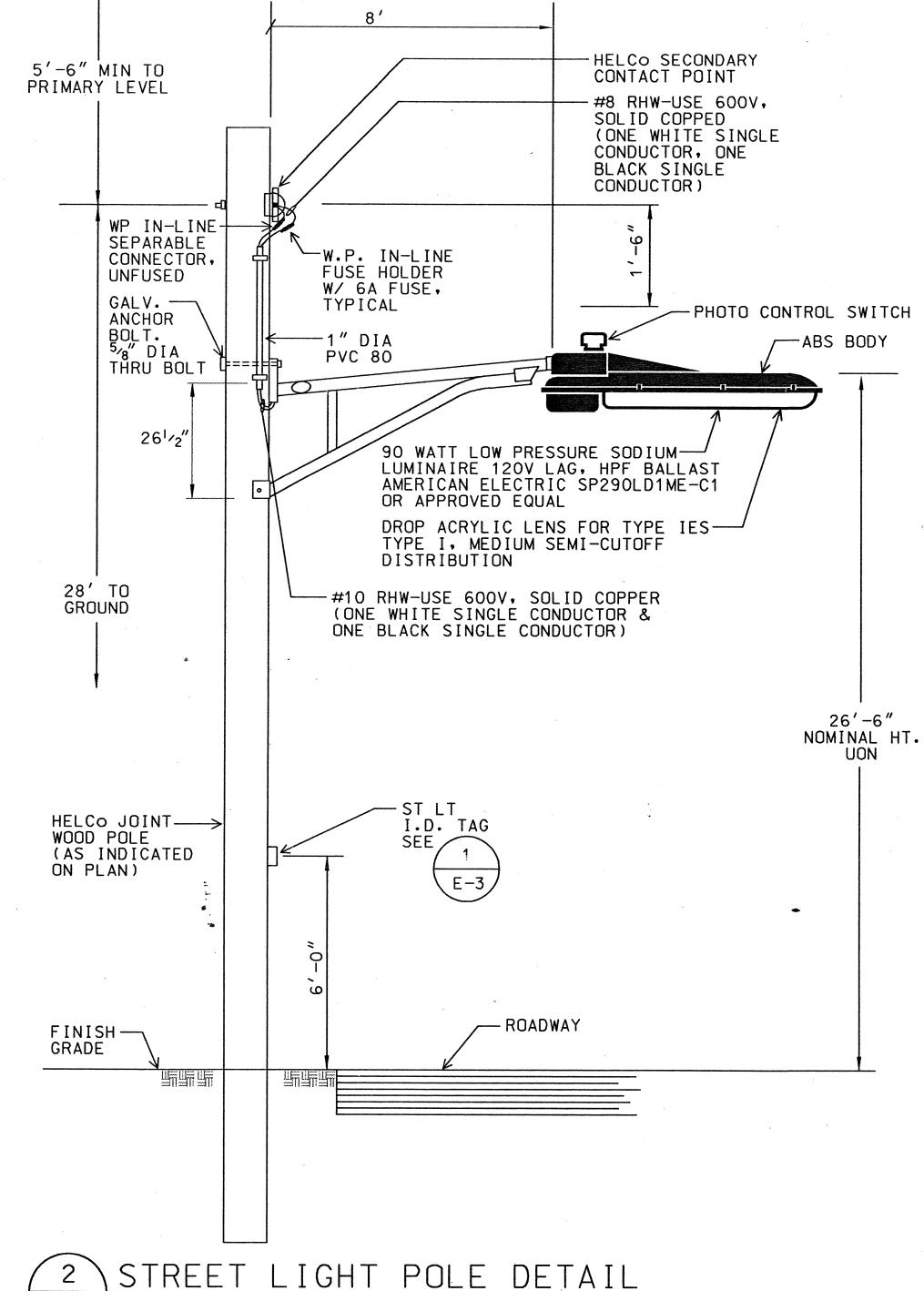
FED. ROAD STATE FED. AID PROJ. NO. FISCAL SHEET YEAR NO. DIST. NO. FLH-0270(16) & FLH-0270(17) HAWAII HAW. 2000 30



STREET LIGHT POLE DETAIL NTS E-4 /

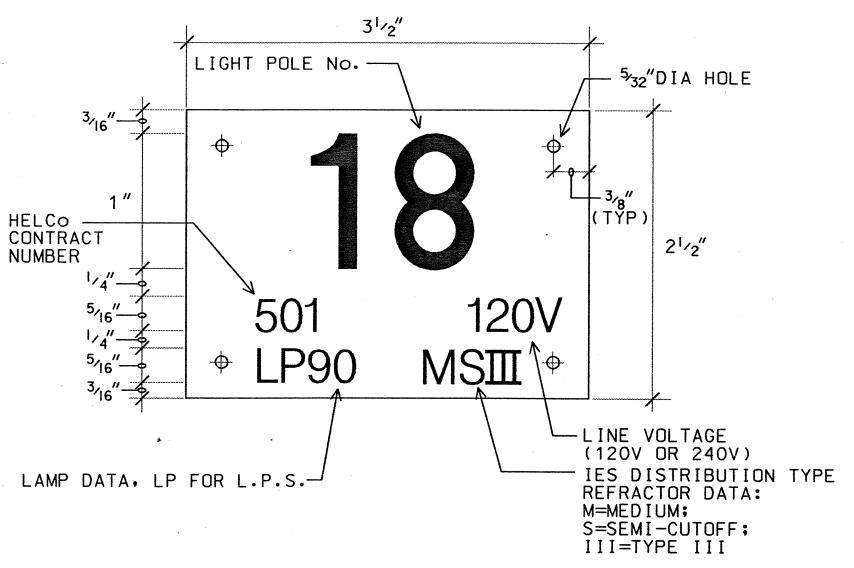
1. TERMITE TREAT THE BOTTOM OF THE HOLE AND BACKFILL MATERIAL WITH AQUEOUS CHEMICAL SOLUTION CONSISTING OF 0.5% ALDRIN OR 0.5% BURBAN. MINIMUM SOLUTION SHALL BE USED FOR EACH HOLE. APPLICATION SHALL BE PERFORMED BY CONTRACTOR LICENSED FOR THIS TYPE OF WORK. TREATMENT SHALL BE DONE AS THE HOLE IS BEING BACKFILLED.

2. PROVIDE GUY FOR POLES INDICATED FOR HELCO SERVICE CONDUCTORS. SEE DET 1/E5.



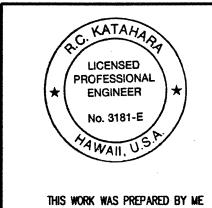
STREET LIGHT POLE DETAIL NTS E-4

1. TERMITE TREAT THE BOTTOM OF THE HOLE AND BACKFILL MATERIAL WITH AQUEOUS CHEMICAL SOLUTION CONSISTING OF 0.5% ALDRIN OR 0.5% BURBAN. MINIMUM SOLUTION SHALL BE USED FOR EACH HOLE. APPLICATION SHALL BE PERFORMED BY CONTRACTOR LICENSED FOR THIS TYPE OF WORK. TREATMENT SHALL BE DONE AS THE HOLE IS BEING BACKFILLED.



HIGHWAY LIGHT I.D. TAG DETAIL E-4(FOR UNMETERED SYSTEM)

- 1. USE 3 PLY LAMINATED FLEXIBLE PLASTIC BLACK-WHITE-BLACK THICKNESS BLACK CAP SHEET-0.010", WHITE BASE SHEET-0.052", BLACK BASE SHEET-0.010".
- 2. LIGHT POLE NUMBER SIZE SHALL BE 1" HIGH AND ENGRAVED 1/8" WIDE, WHITE IN COLOR (NUMBER AS REQUIRED).
- 3. NOMENCLATURE SIZE SHALL BE 5/16" HIGH AND ENGRAVED 1/32" WIDE, WHITE IN COLOR (METER NUMBER, CIRCUIT NUMBER, LINE VOLTAGE, LAMP DATA AND REFRACTOR DATA AS REQUIRED).
- 4. ATTACH TO ALUMINUM AND STEEL POLES WITH NO. 8 STAINLESS STEEL, 1/2" LONG DRIVE SCREWS IN 1/8" DRILL HOLE. ATTACH TO WOOD POLES WITH 4D ALUMINUM NAILS.
- 5. NUMBERS ARE INSCRIBED BY CUTTING THROUGH "BLACK CAP SHEET" TO EXPOSE "WHITE LETTERS."
- 6. NOMENCLATURE REQUIRED FOR SYSTEMS WITH TWO OR MORE CIRCUITS. ASSIGN PHASE CONNECTIONS FOR THE 3-PHASE CIRCUIT. (ØAB INDICATES CONNECTION TO PHASES A & B.)
- 7. VERIFY ALL INFORMATION ON I.D. TAG WITH STATE DOT PRIOR TO FABRICATION.



OR UNDER MY SUPERVISION.

MK ENGINEERS, LTD.

McKatahan 3/5/01

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

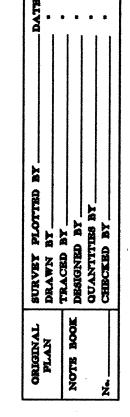
ELECTRICAL - STREET LIGHT POLE DETAILS HIGHWAY LIGHT I.D. TAG DETAIL

KAWAIHAE ROAD PU'UKOHOLA HEIAU NHS INTERSECTION IMPROVEMENTS FAP NOS. FLH-0270(16) & FLH-0270(17)

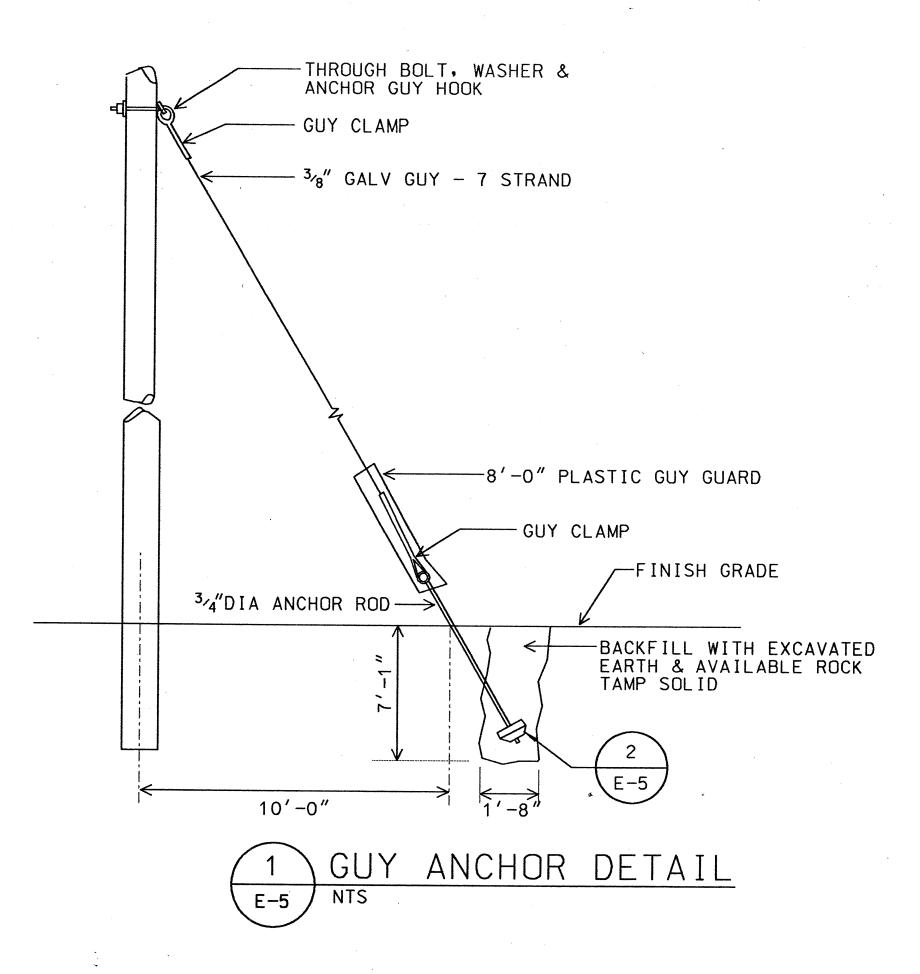
Scale: AS NOTED Date: November 2000

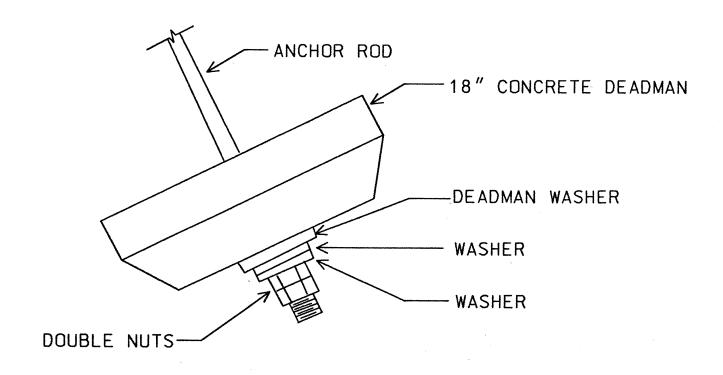
SHEET No. E-4 OF

SHEETS 30



FED. ROAD
DIST. NO.STATEFED. AID
PROJ. NO.FISCAL
YEARSHEET
NO.TOTAL
SHEETSHAWAIIHAW.FLH-0270(16)
FLH-0270(17)20003141

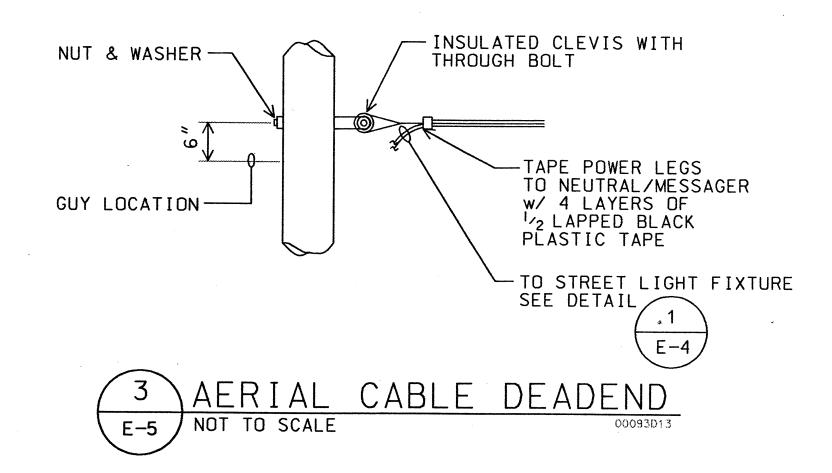


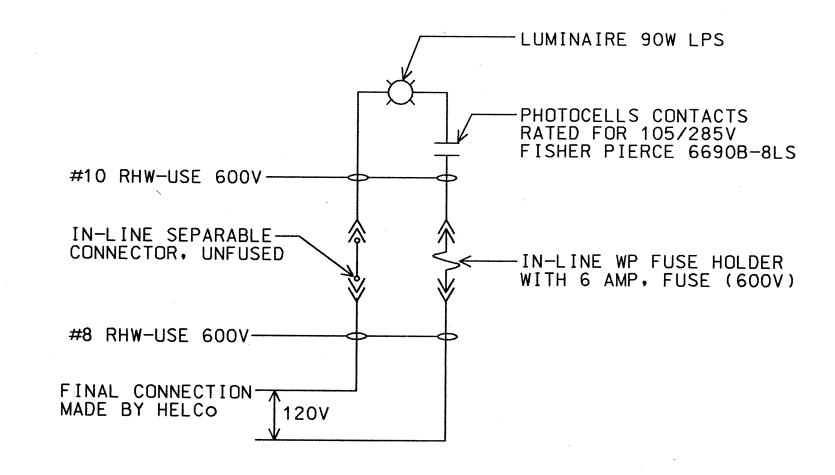


ALL STEEL SHALL BE HOT DIPPED GALVANIZED.
STEEL INSTALLED BELOW GRADE SHALL BE
COATED WITH 2 COATS ASPHALTIC BASED PAINT
TO +12" ABOVE GRADE.

2 CONCRETE DEADMAN DETAIL
E-5 NTS

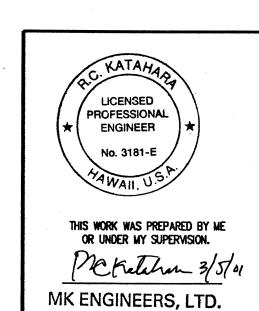
CONCRETE DEADMAN DETAIL
00093012





NOTE:
ALL NEUTRAL CONDUCTORS MUST HAVE WHITE INSULATION.
ANY OTHER METHOD OF IDENTIFICATION IS UNACCEPTABLE.

STREET LIGHT ONE-LINE DIAGRAM
NOT TO SCALE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

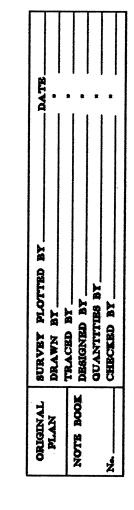
ELECTRICAL - DETAILS & STREET LIGHT ONE-LINE DIAGRAM

KAWAIHAE ROAD PU'UKOHOLA HEIAU NHS
INTERSECTION IMPROVEMENTS
FAP NOS. FLH-0270(16) & FLH-0270(17)

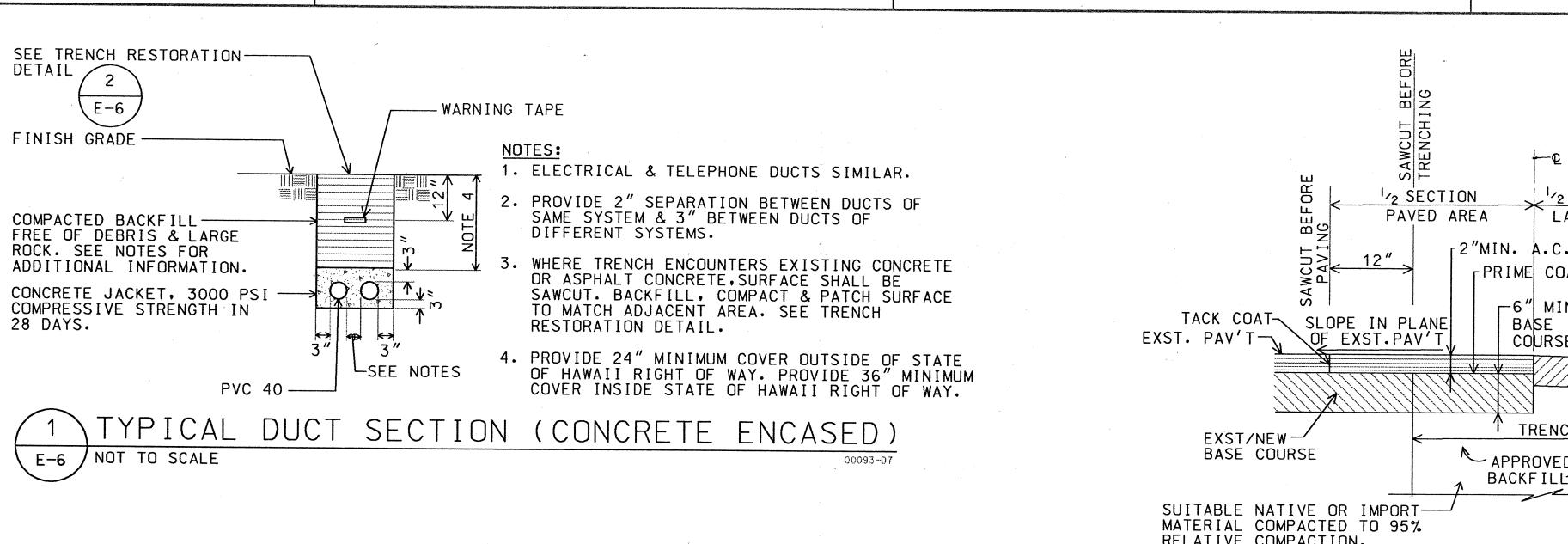
Scale: AS NOTED Date: November 2000

SHEET No. E-5 OF

SHEETS

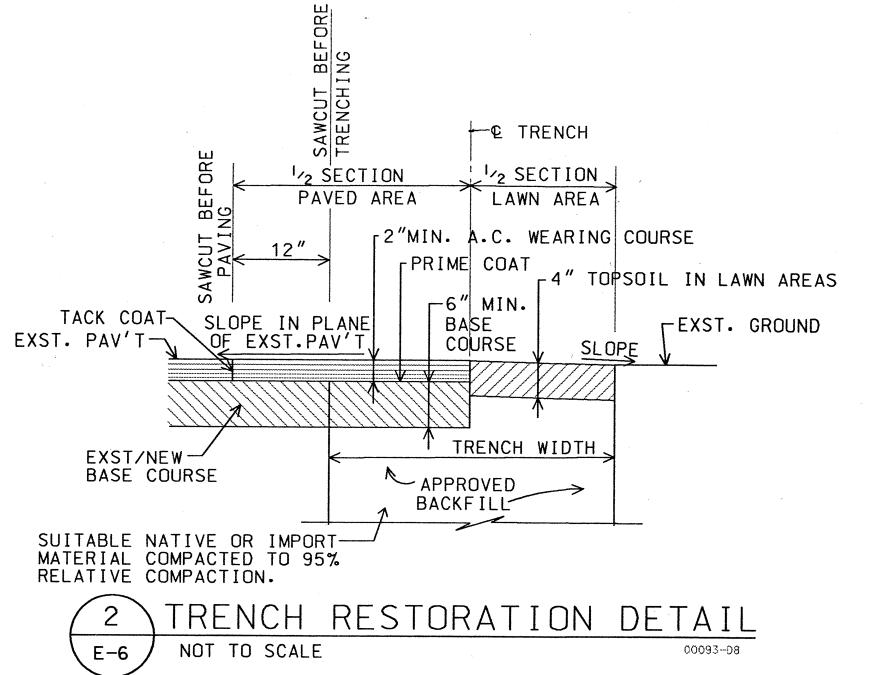


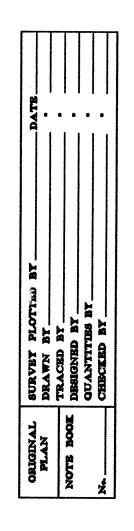
m:\dgn\200093\00093d11.dgn Mar. 05, 2001 07:12:49



4 T 4

DUCT SECTION (B)





-SEE DETAIL

2 P 5

NOT TO SCALE

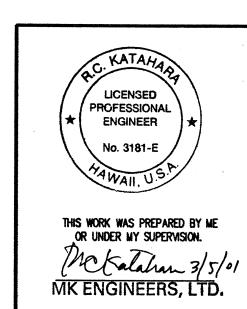
CONCRETE OO

DUCT SECTION (A)

(E-6)

CONCRETE ——
JACKET

DUCT SECTION DETAILS



FED. ROAD

DIST. NO.

HAWAII

STATE

PROJ. NO.

FLH-0270(16) & FLH-0270(17)

FISCAL SHEET TOTAL
YEAR NO. SHEETS

2000

SHEETS

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL - DUCT SECTIONS & DETAILS

KAWAIHAE ROAD PU'UKOHOLA HEIAU NHS INTERSECTION IMPROVEMENTS FAP NOS. FLH-0270(16) & FLH-0270(17)

Scale: AS NOTED Date: November 2000

SHEET No. E-6 OF

SHEETS