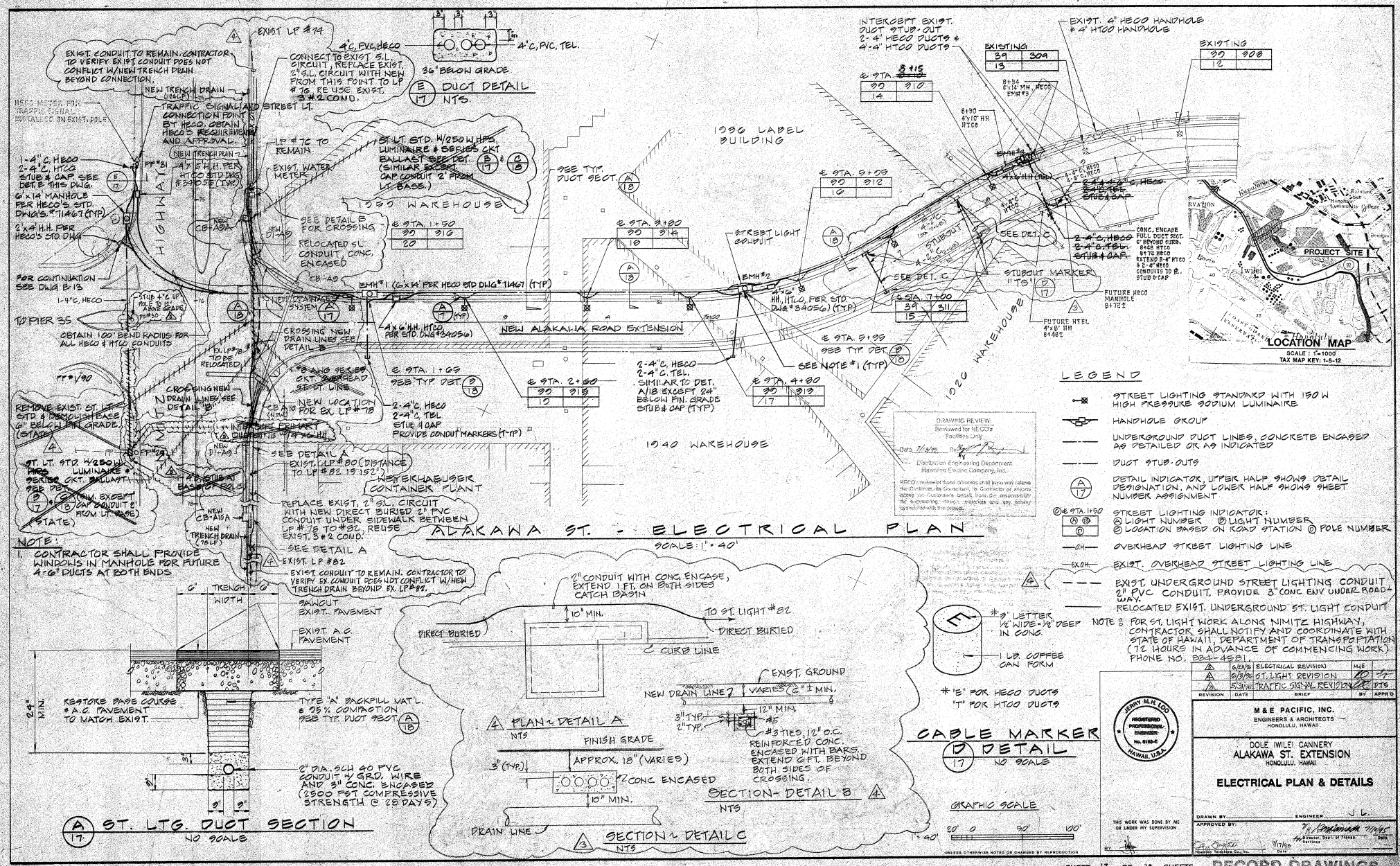
ALAKAWA ST. - ELECTRICAL PLAN
SCALE: 1" = 40'
NOTE:
1. CONTRACTOR SHALL PROVIDE WINDOWS IN MANHOLE FOR FUTURE 4-6" DUCTS AT BOTH ENDS
EXIST. CONDUIT TO REMAIN. CONTRACTOR TO VERIFY EXIST. CONDUIT DOES NOT CONFLICT W/NEW TRENCH DRAIN BEYOND CONNECTION.
NEW TRENCH DRAIN
TRAFFIC SIGNAL AND STREET LT. CONNECTION POINT BY HECO. OBTAIN HECO'S REQUIREMENTS AND APPROVAL.
HECO METER FOR TRAFFIC SIGNAL INSTALLED ON EXIST. POLE
1-4" C. HECO
2-4" C. HTCO
STUB & CAP. SEE DET. B 1415 DWG.
6'x14' MANHOLE PER HECO'S STD. DWG'S. #11467 (TYP.)
2'x4' H.H. PER HECO'S STD. DWG.
FOR CONTINUATION SEE DWG B-13
1-4" C. HECO
TO PIER 35
OBTAIN 100' BEND RADIUS FOR ALL HECO & HTCO CONDUITS
REMOVE EXIST. ST. LT. STD. & DEMOLISH BASE 6" BELOW FIN. GRADE. (STATE)
ST. LT. STD. W/250 W. HPS. LUMINAIRE & SERIES CKT. BALLAST. SEE DET. (EXCEPT CAP CONDUIT 8' FROM LT. BASE) (STATE)
EXIST. LP #74
4" C. PVC. HECO
4" C. PVC. TEL.
36" BELOW GRADE
E 17 DUCT DETAIL
NTS.
CONNECT TO EXIST. S.L. CIRCUIT, REPLACE EXIST. 2" S.L. CIRCUIT WITH NEW FROM THIS POINT TO LP #76. RE USE EXIST. 3 #2 COND.
LP #76 TO REMAIN
EXIST. WATER METER
ST. LT. STD. W/250 W. HPS. LUMINAIRE & SERIES CKT. BALLAST. SEE DET. B 17 & C 18 (SIMILAR EXCEPT CAP CONDUIT 2' FROM LT. BASE.)
1030 WAREHOUSE
SEE DETAIL B FOR CROSSING
RELOCATED S.L. CONDUIT, CONC. ENCASED
CB-40
EMH #1 (6'x14' PER HECO STD DWG #11467) (TYP)
NEW DRAINAGE SYSTEM
4x6' H.H. HTCO PER STD. DWG #840S6)
NEW ALAKAWA ROAD EXTENSION
CROSSING NEW DRAIN LINES, SEE DETAIL B
EX. LP #78 TO BE RELOCATED
#8 AWG SERIES CKT. OVERHEAD ST. LT. LINE
NEW LOCATION FOR EX. LP #78
2-4" C. HECO
2-4" C. TEL
STUB & CAP
PROVIDE CONDUIT MARKERS (TYP)
SEE DETAIL A
EXIST. LP #80 (DISTANCE TO LP #82 19.152')
WEYERHAEUSER CONTAINER PLANT
REPLACE EXIST. 2" S.L. CIRCUIT WITH NEW DIRECT BURIED 2" PVC CONDUIT UNDER SIDEWALK BETWEEN LP #78 TO #82. REUSE EXIST. 3 #2 COND.
SEE DETAIL A
EXIST. LP #82
EXIST. CONDUIT TO REMAIN. CONTRACTOR TO VERIFY EX. CONDUIT DOES NOT CONFLICT W/NEW TRENCH DRAIN BEYOND EX. LP #82.
NEW TRENCH DRAIN (78 LF)
NEW CB-40A
NEW DI-40
1036 LABEL BUILDING
SEE TYP. DUCT SECT.
STREET LIGHT CONDUIT
1020 WAREHOUSE
1040 WAREHOUSE
SEE NOTE #1 (TYP)
2-4" C. HECO
2-4" C. TEL.
SIMILAR TO DET. A/18 EXCEPT 24" BELOW FIN. GRADE
STUB & CAP (TYP)
INTERCEPT EXIST. DUCT STUB-OUT
2-4" HECO DUCTS & 4-4" HTCO DUCTS
EXIST. 4" HECO HANDHOLE & 4" HTCO HANDHOLE
EXISTING
EMH #2
4x6' H.H. (HECO)
2-4" C. HECO
2-4" C. TEL.
STUB & CAP
CONC. ENCASE FULL DUCT SECT. 6' BEYOND CURB. 8-4" HTCO 8-4" HECO EXTEND 2-4" HTCO & 2-4" HECO CONDUITS TO R. STUB & CAP
SEE DET. C
STUBOUT MARKER "TS"
FUTURE HECO MANHOLE
FUTURE HTEL 4'x8' HH
DRAWING REVIEW: Reviewed for HECO's Facilities Only
Distribution Engineering Department Hawaiian Electric Company, Inc.
HECO's review of these drawings shall in no way relieve the Contractor, its Consultant, its Contractor or anyone acting on Contractor's behalf, from the responsibility for engineering design, materials and any deficiencies with the project.
LEGEND
STREET LIGHTING STANDARD WITH 150 W HIGH PRESSURE SODIUM LUMINAIRE
HANDHOLE GROUP
UNDERGROUND DUCT LINES, CONCRETE ENCASED AS DETAILED OR AS INDICATED
DUCT STUB-OUTS
DETAIL INDICATOR, UPPER HALF SHOWS DETAIL DESIGNATION, AND LOWER HALF SHOWS SHEET NUMBER ASSIGNMENT
STREET LIGHTING INDICATOR: (A) LIGHT NUMBER (B) LIGHT NUMBER (C) LOCATION BASED ON ROAD STATION (D) POLE NUMBER
OVERHEAD STREET LIGHTING LINE
EXIST. OVERHEAD STREET LIGHTING LINE
EXIST. UNDERGROUND STREET LIGHTING CONDUIT 2" PVC CONDUIT. PROVIDE 3" CONC ENV UNDER ROADWAY.
RELOCATED EXIST. UNDERGROUND ST. LIGHT CONDUIT
NOTE: FOR ST. LIGHT WORK ALONG NIMITZ HIGHWAY, CONTRACTOR SHALL NOTIFY AND COORDINATE WITH STATE OF HAWAII, DEPARTMENT OF TRANSPORTATION (72 HOURS IN ADVANCE OF COMMENCING WORK) PHONE NO. 831-4531.
LOCATION MAP
SCALE: 1" = 1000'
TAX MAP KEY: 1-5-12
PROJECT SITE
A 17 ST. LTG. DUCT SECTION
NO SCALE
TRENCH WIDTH
SAWCUT EXIST. PAVEMENT
EXIST. A.C. PAVEMENT
RESTORE BASE COURSE & A.C. PAVEMENT TO MATCH EXIST.
TYPE "A" BACKFILL MAT'L. @ 95% COMPACTION SEE TYP. DUCT SECT.
2" DIA. SCH 40 PVC CONDUIT W/ GRD. WIRE AND 3" CONC. ENCASED (2500 PSI COMPRESSIVE STRENGTH @ 28 DAYS)
4 PLAN & DETAIL A
NTS
2" CONDUIT WITH CONC. ENCASE, EXTEND 1 FT. ON BOTH SIDES CATCH BASIN
10" MIN.
TO ST. LIGHT #82
DIRECT BURIED
CURB LINE
SECTION - DETAIL B
NTS
EXIST. GROUND
NEW DRAIN LINE
VARIES
12" MIN.
#3 TIES, 12" O.C.
REINFORCED CONC. ENCASED WITH BARS. EXTEND 6 FT. BEYOND BOTH SIDES OF CROSSING.
FINISH GRADE
APPROX. 18" (VARIES)
CONC. ENCASED
DRAIN LINE
3 SECTION - DETAIL C
NTS
E CABLE MARKER
D 17 DETAIL
NO SCALE
#9 LETTER 1/2" WIDE x 1/2" DEEP IN CONC.
1 LB. COFFEE CAN FORM
* "E" FOR HECO DUCTS "T" FOR HTCO DUCTS
GRAPHIC SCALE
1" = 40'
UNLESS OTHERWISE NOTED OR CHANGED BY REPRODUCTION
THIS WORK WAS DONE BY ME OR UNDER MY SUPERVISION
JERRY M.H. LOO REGISTERED PROFESSIONAL ENGINEER No. 6188-E HAWAII, U.S.A.
REVISION DATE BRIEF BY APPR'D
A 6/28/96 ELECTRICAL REVISION MJE
A 6/3/96 ST. LIGHT REVISION
A 5-31-96 TRAFFIC SIGNAL REVISION DTS
M & E PACIFIC, INC.
ENGINEERS & ARCHITECTS
HONOLULU, HAWAII
DOLE (WILEI) CANNERY
ALAKAWA ST. EXTENSION
HONOLULU, HAWAII
ELECTRICAL PLAN & DETAILS
DRAWN BY
ENGINEER J. L.
APPROVED BY
Director, Dept. of Transp. Services
DATE
SHEET 17 OF 30 SHEETS
RECORD DRAWINGS