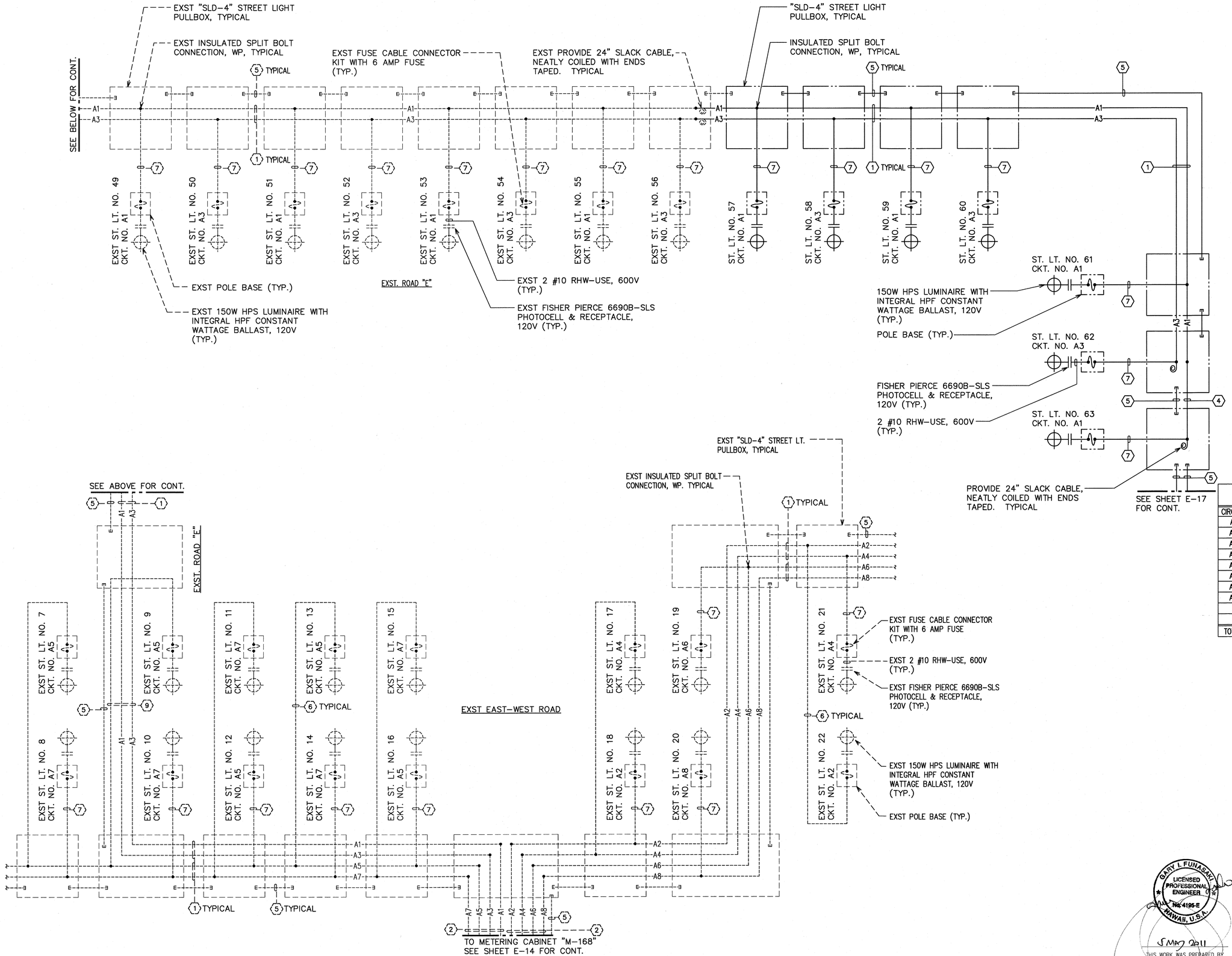

SYSTEM "A" STREET LIGHT MODIFIED CONNECTION DIAGRAM

STREET LIGHT NOTES:

1. WIRE TO BE RHW-USE, 600V WITH OUTER COVERING.
2. CONDUIT-PVC SCHD. 80 DIRECT BURIED @ SIDEWALK.
   PVC SCHD. 40 WITH 3" CONC. JACKET @ ROAD CROSSINGS.
3. CONTRACTOR SHALL IDENTIFY ALL CIRCUIT CABLES WITH LEAD TAG IN EACH PULLBOX AS SHOWN.
   ALL NEUTRAL CONDUCTORS SHALL BE IDENTIFIED WITH WHITE INSULATION. OTHER MEANS OF IDENTIFICATION ARE NOT ACCEPTABLE.
5. INSTALL PULLBOXES ON 6" OF #3 CRUSHED ROCK BASE.
6. SEAL ALL CONDUIT ENDS WITH DUCT SEAL.

CONDUIT & WIRE SCHEDULE

ITEM	DESCRIPTION
1	2"C, 3 #2 RHW-USE, #2 GND
2	2"C, 6 #6 RHW-USE, #2 GND
3	2"C, 3 #6 RHW-USE, #6 GND
4	2"C, 2 #6 RHW-USE, #6 GND
5	2"C (SPARE), PULLWIRE
6	1½"C, 2 #8 RHW-USE, #8 GND
7	1¼"C, 2 #8 RHW-USE, #8 GND
8	1¼"C, (SPARE), PULLWIRE
9	2"C, 3 #2, 2 #6 RHW-USE, #2 GND
10	2"C, 4 #6 RHW-USE, #6 GND

LIGHTING LOAD

CIRCUIT	EXISTING LOAD	NEW LOAD	TOTAL LOAD
A1	4 X 202W = 808W	4 X 202W = 808W	1,616W
A2	8 X 202W = 1,616W	0 X 202W = 0W	1,616W
A3	4 X 202W = 808W	3 X 202W = 606W	1,414W
A4	8 X 202W = 1,616W	0 X 202W = 0W	1,616W
A5	8 X 202W = 1,616W	0 X 202W = 0W	1,616W
A6	8 X 202W = 1,616W	0 X 202W = 0W	1,616W
A7	8 X 202W = 1,616W	0 X 202W = 0W	1,616W
A8	8 X 202W = 1,616W	0 X 202W = 0W	1,616W
TOTAL	56 X 202W = 11,312W	7 X 202W = 1,414W	12,726W

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.
Engineering Design | Construction Management | Infrastructure Planning
1100 Alakea Street, Sixth Floor — Honolulu, Hawaii

EAST KAPOLEI II DEVELOPMENT ROAD "E"

HONOULIULI, EWA, OAHU, HAWAII
(DPP SUBD. FILE NO. 2010/SUB-115)
OWNER: DEPARTMENT OF LAND AND NATURAL RESOURCES
DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEY: 9-1-17: Portion 110

SYSTEM "A" STREET LIGHT MODIFIED CONNECTION DIAGRAM

DRAWN BY: | ENGINEER: GF | CHECKED BY: GF

APPROVED:

DATE — CHIEF, TRAFFIC REVIEW BRANCH, D.P.W. — DATE 12/2/11

DATE — CHIEF, MECHANICAL/ELECTRICAL DIVISION, D.D.C. — DATE 5/12/2011

GARY I. FUNASAKI — LICENSED PROFESSIONAL ENGINEER — No. 4195-E — HAWAII, U.S.A.

5 MAY 2011

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/12

DWG. NO. E-16 SHEET 48 OF 61 SHEETS

FILE	POCKET	FOLDER	NO.

LAST SAVE: 03/12/11 @ 09:06:36 BY: RH PLOT SC 1'-0"=1'
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