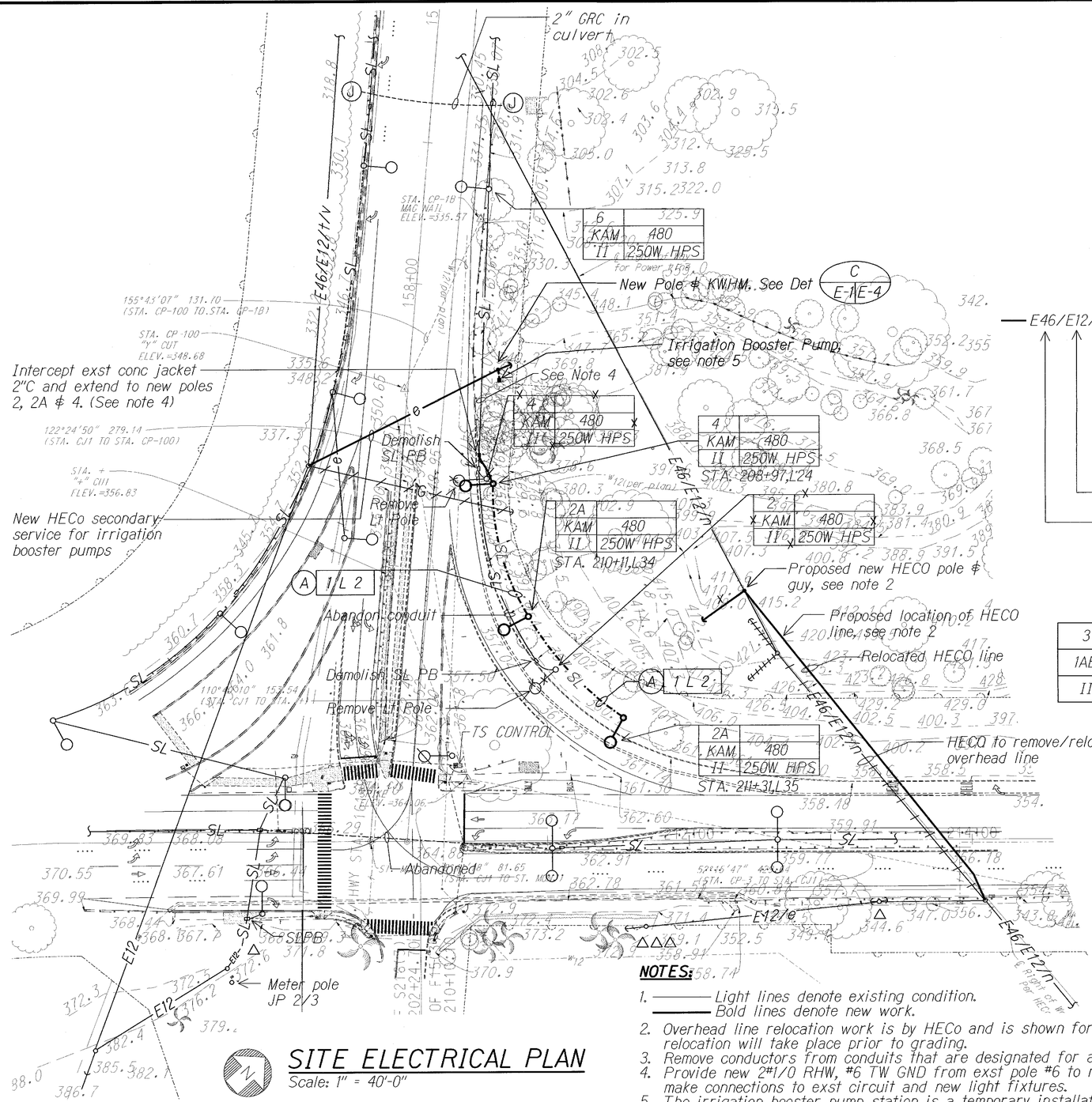
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	61C-01-04M	2004	42	91



SITE ELECTRICAL PLAN

Scale: 1" = 40'-0"

ELECTRICAL SYMBOLS

- Exist Street Lt Standard
- Remove Street Lt Standard
- New Aluminum St. Lt. Standard, 250W HPS Luminaire, See A / E-1/E-2
- New Wood Pole
- Guy & Anchor for Wood Pole
- Street Light Pullbox
- —SL— 2" PVC 40 Street Light Ductline & Wiring, See Duct Sections, Sheet E-4
- Underground Ductline
- —E46/E12/e/n/t/v/G— Overhead Utility Lines
  - G — Guy
  - v — CATV
  - t — Telephone
  - n — Neutral
  - e — Secondary Electric
  - 12 — Primary Electric (Number Indicates Voltage in KV)
  - 46 — 46KV Primary
- (1) → Note Indicator
- 2 E 4 (A) Duct Section Indicator

3	M
1AB	480V
II	250W HPS

Highway Light Tag, See B / E-1/E-3

Upper Half: 3-Light No. M-Meter No. (Obtain From Meter At Pole JP 2/3)

Middle: 1A-Circuit/Phase 480V-Voltage

Lower Half: II - IES Distribution 250W HPS - Lamp Type

DUCT DESIGNATION

1 L 2 (A)

- Duct Section "A" See Duct Section Details
- Conduit Size
- System "L" Lighting, Street or Area
- Number of Ducts

NOTES:

1. Light lines denote existing condition. Bold lines denote new work.
2. Overhead line relocation work is by HECo and is shown for information only. Line relocation will take place prior to grading.
3. Remove conductors from conduits that are designated for abandonment.
4. Provide new 2#1/0 RHW, #6 TW GND from exst pole #6 to new poles #2, 2A & 4 and make connections to exst circuit and new light fixtures.
5. The irrigation booster pump station is a temporary installation. Obtain and pay for Hawaiian Electric Company service installation, and all energy charges related to the service. Remove the pole and electrical wiring to the pump at the end of the landscape Maintenance period, and restore the area to match the surroundings.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
	DESIGNED BY	
NOTE BOOK	QUANTITIES BY	
	CHECKED BY	
No.		

R.C. KATAHARA LICENSED PROFESSIONAL ENGINEER No. 3181-E HAWAII, U.S.A.

This work was prepared by me or under my supervision.

9/22/03

MK ENGINEERS, LTD.
LICENSE EXPIRATION DATE: 4/30/04

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SITE ELECTRICAL PLAN

KALANIANAOLE HIGHWAY
EMERGENCY LANDSLIDE REPAIRS AT CASTLE JUNCTION
PROJECT NO. 61C-01-04M

Scale: Date: 9/26/03

SHEET No. E-1 OF 4 SHEETS