SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	Street Light Standard, 250W HPS Luminaire,	STWDOL	Guying and Guy Anchor Provided By Respective	3 TWBOL	Street Light I.D. Tag
	Aluminum Pole with Bracket Arm, Transformer Base		Utility Co.		Street Light 1.D. rag
•—	& Concrete Foundation. See Detail A/E2.12		Exst Guying and Anchor	STATION NO.	
	unless indicated otherwise		Exst Guying and Anchor to be Removed By	STATION NO.	
	Street Light Standard, 250W HPS Luminaire,	<i>'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</i>	Respective Utility Co.	1	State Street Light I.D. Tag, See C/E2.15
_	Aluminum Pole with Bracket Arm, Transformer Base		Respective office of	M123 C1 480V	State Street Light 1.D. Tag, See 0/12.10
	& Modified Concrete Foundation. See Detail A/E2.13			N250 III	
	unless indicated otherwise	n	Electric/Signal Ductline with Designators; Indicates Duct	STATION NO.	
	Street Light Standard "I", 250W HPS Luminaire,	1	Section "A" with "2-2E" Ducts. See Sheets E2.1, E2.2, E2.3	H[D]	Exst HTCo. Air Dryer and Air Pressure Asse
←	Aluminum Pole with Bracket Arm, Transformer Base	2.7	& E2.4 for Duct Sections, and Sheet E2.3 for Conduit	HE,	Exst Flectrical Equipment
	on Existing Concrete Foundation	(File)	Schedules.	' [-]	Exac Electrical Equipment
	Street Light Standard "I", 250W HPS Luminaire,		Stub, Cap, & Mark Conduits; Provide Pullwire		
[<u>ō]</u>	Aluminum Pole with Bracket Arm, on Existing	F	Electric Ductline		Metering Equipment, State Street Ltg, See
	Transformer Base & Modified Concrete Foundation	CI	Street Light Ductline & Wiring	S	Concrete Stub-Out Marker, See Detail B/E2
	Street Light Standard "IV", 250W HPS Luminaire,	SL	Signal Ductline & Wiring	5	Note Symbol; See Sheet
	Aluminum Pole with Bracket Arm, Transformer Base		Traffic Signal Ductline & Wiring	<u> </u>	Metering Equipment, See Sheet E2.16
 O		13	Traine Signal Ductime & Wiring		
2.	& Concrete Foundation. See Detail B/E2.14			<u> </u>	Exst Metering Equipment
	Street Light Standard "III", 250W HPS Luminaire,		Frot Floo (Cianal Drottino de Minio a		Cround Dad 5/0" Dia y 0' 0" (DM7)
•—	Aluminum Pole with Bracket Arm, Transformer Base		Exst Elec/Signal Ductline & Wiring	← ı	Ground Rod, 5/8" Dia. x 8'-0" (BMZ)
	& Concrete Foundation. See Detail A/E2.14	—×—e—×—	Exst Elec/Signal Ductline to be Abandoned In Place		
-	Street Light Standard, 250W HPS Luminaire &	sl	Exst Street Light Ductline & Wiring	HFCC	REFERENCE SPECIFICATIONS
/C7s	Bracket Arm Mounted on Utility Pole		Exst Street Light Ductline to be Abandoned In Place	11200	TILI LILLITOL OF LOW TOTTIONS
·	Future Street Light Standard	ts	Exst Traffic Signal Ductline	SPEC. NO.	<u>DESCRIPTION</u>
	HECo 2' X 4' Pullbox		Exst Traffic Signal Ductline to be Abandoned In Place		
	HECo 3' X 5' Pullbox	sic	Sandwich Isles Comm Ductline by others	CS7001	Construction of Underground Facility
	HECo 4' X 6' Handhole	F /011		007007	Construction of Electrical Facilitie
	HECo 6' X 11' Manhole	—— E/OH——	Elec Overhead Lines	CS7003	Construction of Electrical Facilities
	HECo 6' X 14' Manhole	— T/OH —	Signal Overhead Lines	CS7202	General Conditions for Construction
	HECo 7' X 16' Manhole	—— SL/OH —	Overhead Street Light Wiring, Provide Conn to Sec Elec	30, 232	Projects
	HECo Transformer Pad Lot	e/oh			
	HECo Switch Equipment Pad Lot	e/oh	Exst Elec Overhead Lines to be Removed By HECo	CS9301	Concrete Work
	Sandwich Isles Comm 3' X 5' Manhole	—— t/oh —×—	5	000404	
	Sandwich Isles Comm 4' X 6' Manhole	—×— t/oh—×—	Exst Signal Overhead Lines to be Removed	CS9401	Design and Construction of Precast Manholes and Handholes
	HTCo 2' X 4' Handhole or Pullbox	,	By HTCo, Catv, and Pacific Light Net		Mailloles and Hallanoles
	HTCo 5' X 10' Manhole	et/oh	Exst Elec/Signal Overhead Lines		
Ø	HTCo 6' X 12' Manhole	-×- et/oh -×-	Exst Elec/Signal Overhead Lines to be Removed	APPROVED	BY:
	CATV 2' X 6' Handhole		By HECo, HTCo, Catv, and Pacific Light Net	******************************	
	CATV 3' X 5' Handhole			HAWAIIAN ELEC	CTRIC COMPANY, INC. DATE
	Traffic Signal Pullbox, Type "A", See Sheet E2.10	ITCM	Traffic Signal Controller & Master	HAWAIIAN TELC	COM DATE
	Traffic Signal Pullbox, Type "B", See Sheet E2.10	IIC	Traffic Signal Controller		
	Traffic Signal Pullbox, Type "C", See Sheet E2.10		Standard Traffic Signal Head	OCEANIC TIME	WARNER CABLE DATE
	Street Light Pullbox, Type "C", See Sheet E2.10	•	Standard Traffic Signal and Pedestrian Signal Heads Mounted		·
	Street Light Pullbox, Type "SLD-4", See Sheet E2.11		on 10'-0" Signal Standard	SANDWICH ISLE	S COMMUNICATIONS, INC. DATE
	,		Programmable Visibility Traffic Signal Head		
	Existing HECo Manhole, Handhole or Pullbox	•	Traffic Signal Heads Mounted On Mast Arm Standard, See		
	Existing Telephone Handhole, Pullbox, or Manhole		Sheet E2.17		
	Sandwich Isles Comm Manhole by others				
		He	Pedestrian Pushbutton		
	Utility Pole Provided By Utility Co. unless indicated	⊢O	Farm Vehicle Pushbutton		
•	oth orwing		Valida Laar Datastar Cas Chart FO 01		

Vehicle Loop Detector, See Sheet E2.21

otherwise

Exst Utility Pole

Exst Utility Pole to be Removed By Utility Co.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	258	331

HECO REFERENCE DRAWINGS

Exst HTCo. Air Dryer and Air Pressure Assessories

Concrete Stub-Out Marker, See Detail B/E2.15

Construction of Underground Facilities

General Conditions for Construction of

DATE

Metering Equipment, State Street Ltg, See Detail A/E2.8

<u>DWG NO.</u>	<u>DESCRIPTION</u>
16688 Sht. 1 & 2	Details Handholes & Manholes, UG Standards
100904	Handhole Type 611 UG Standard
100925	Manhole Type 614 Structural Details UG Standards
11249	Material Drawing for Concrete Pad System
22–2005	Type. 3 Phase Padmounted TSF

Requirements, Commercial

	Distribution System
30–5000	Location, Clearances and Protection Details, Pad— Mounted Equipment

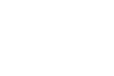
crete Pad URD Installation	30–5001	1 Phase Pad Mounted TSF Con-
		crete Pad URD Installation

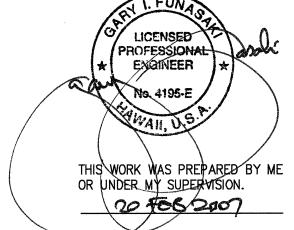
<i>30–5011</i>	Concrete Pad For 75—300 KVA
	3 Phase Padmounted TSF — Conc
	Pads, UG Ducts & Structures

30-5040	Concr	ete Pac	d Insta	llatior	7
	PMH-9	Auto.	Trans.	Swgr.	15KV

100922	Manhole	Type No. 4	
	(7'-2" x	16'-0") UG	Standards

Note:	Reference Drawings Referred
	to in Description of Equip-
	ment Schedule.





DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL SYMBOLS

<u>North—South Road</u> <u>Phase 1B</u> F.A.I. Proj. No. STP-8930(2)

Scale: AS NOTED REVISION

Date: Feb 21, 2007 SHEET No. E0.2 OF 62 SHEETS