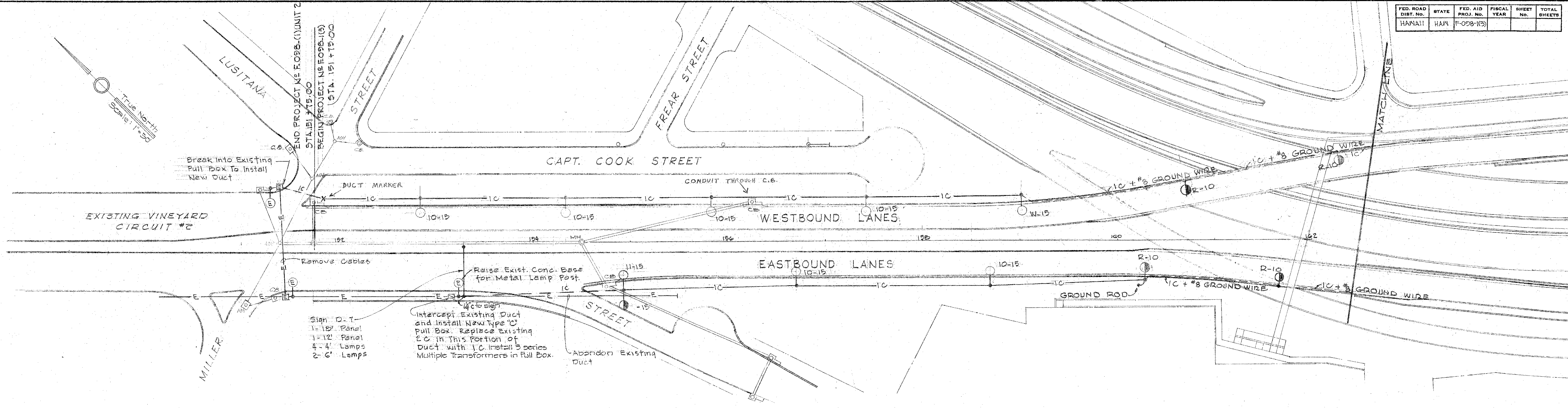
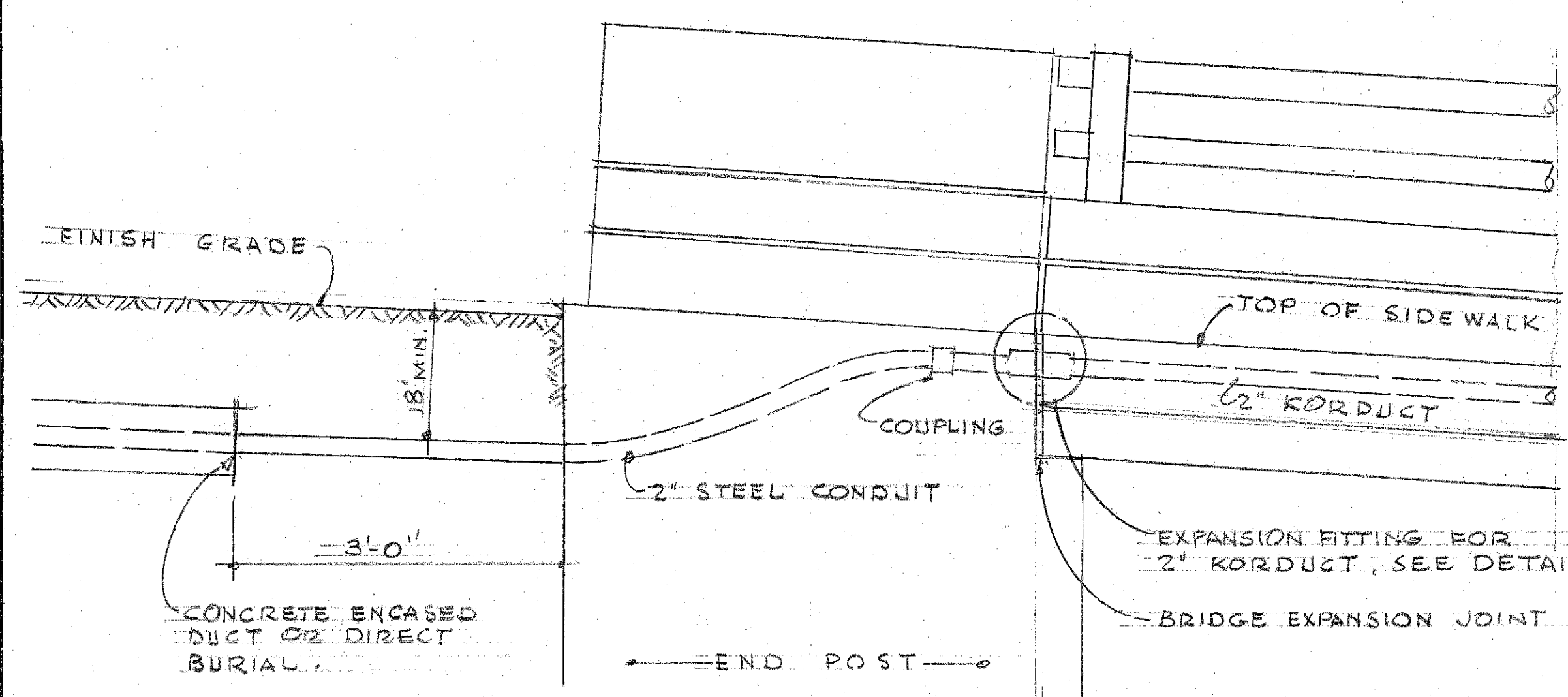


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	F-008-1(3)			

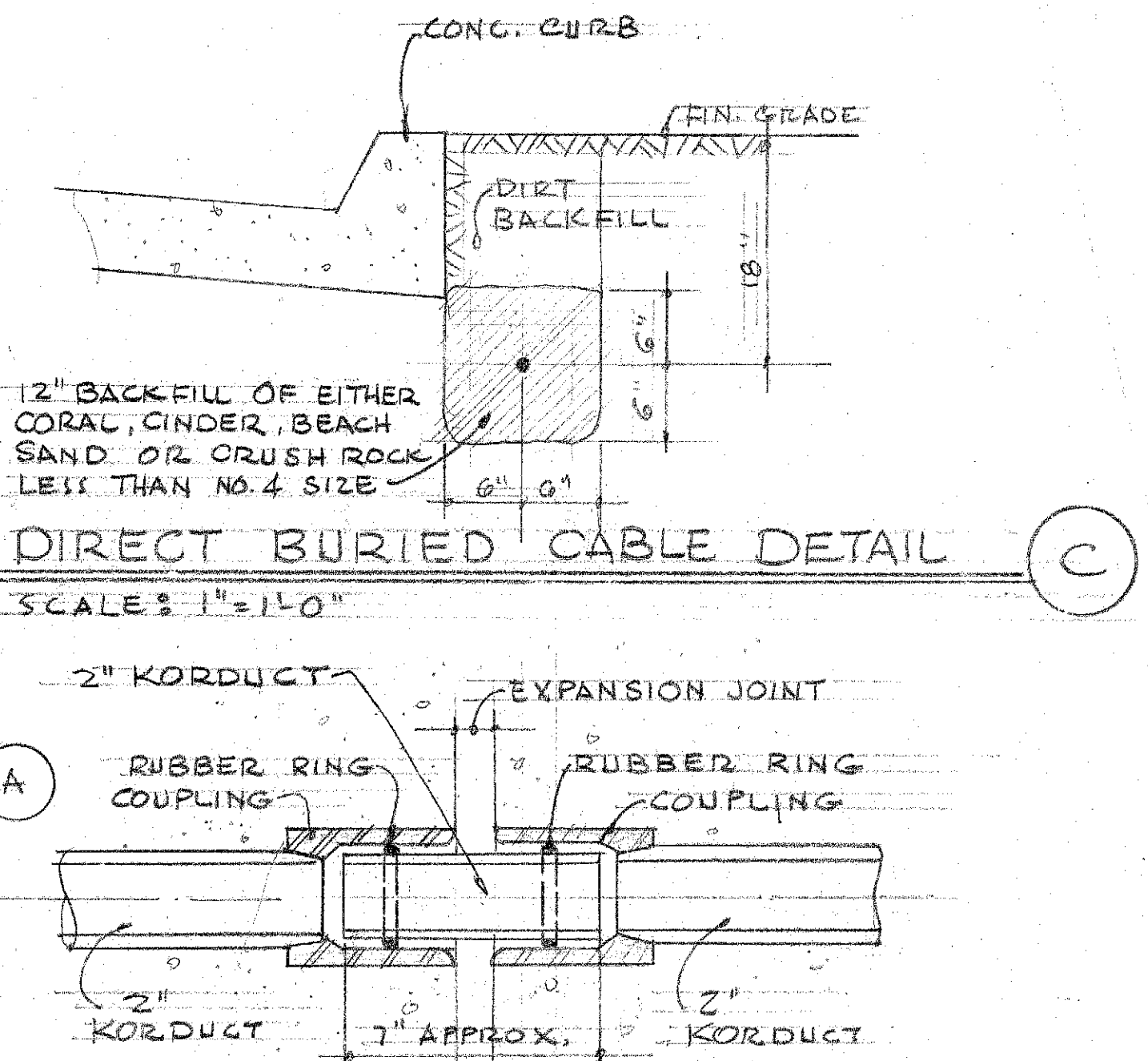


Circuit Loading (Existing Vineyard Circuit #2)

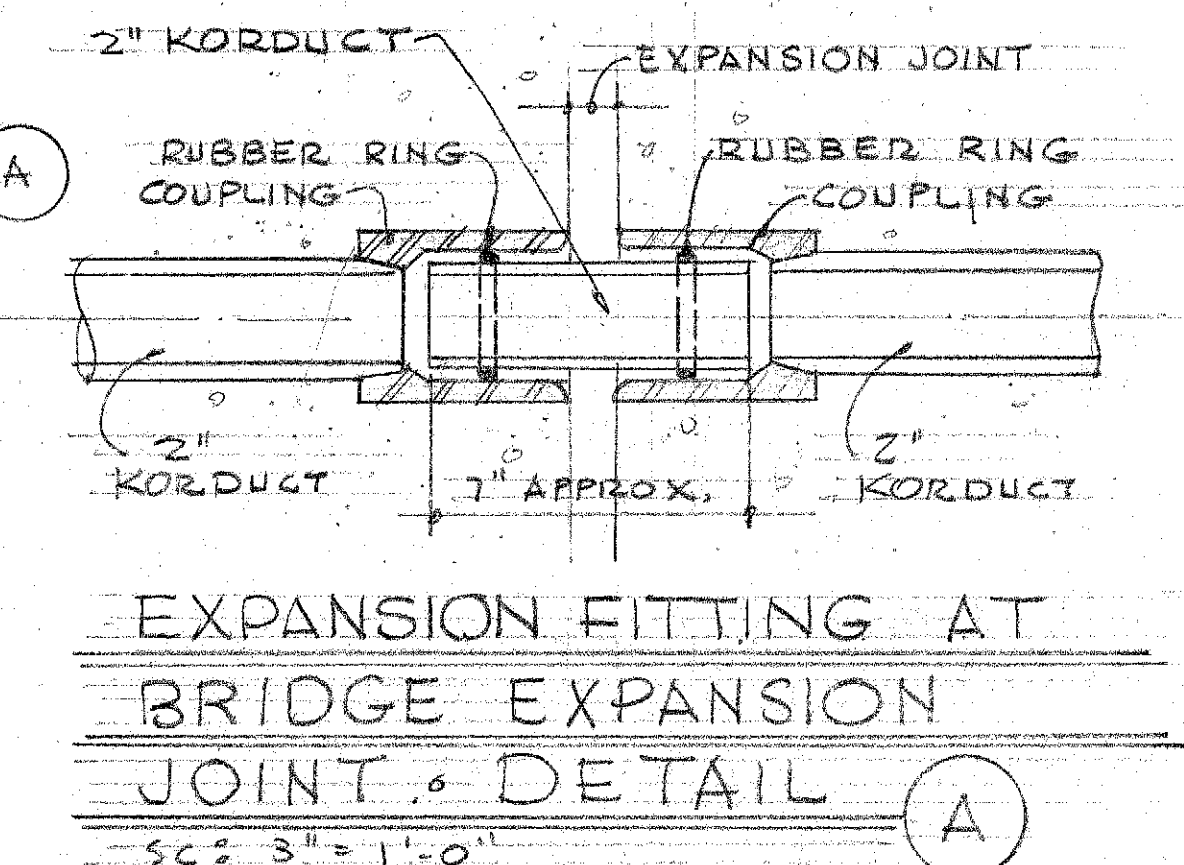
Existing	15x800	= 12000
From Sheet E-2	6x300	= 1800
This Sheet		
Roadway Lights	3 x 500	= 1500
5 x 500		= 2500
Sign Light	3 x 475	= 1425
Total Regulator Capacity		= 26125 Watts



DETAIL B
CONDUIT CONNECTION AT
END OF BRIDGE
SCALE: 3/4" = 1'-0"



DETAIL C
DIRECT BURIED CABLE DETAIL
SCALE: 1" = 1'-0"



DETAIL A
EXPANSION FITTING AT
BRIDGE EXPANSION
JOINT - DETAIL
SCALE: 3/4" = 1'-0"

APPROVED: *James J. Osherson*
ELECTRICAL ENGINEER
Reg. Eng. Cert. No. 667
DATE: 12-29-58

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY LIGHTING SYSTEM
VINEYARD THOROUGHFARE
MILLER ST. TO LUNALILO FRNY.
PROJECT NO. F-008-1(3)
Scale: 1" = 50'

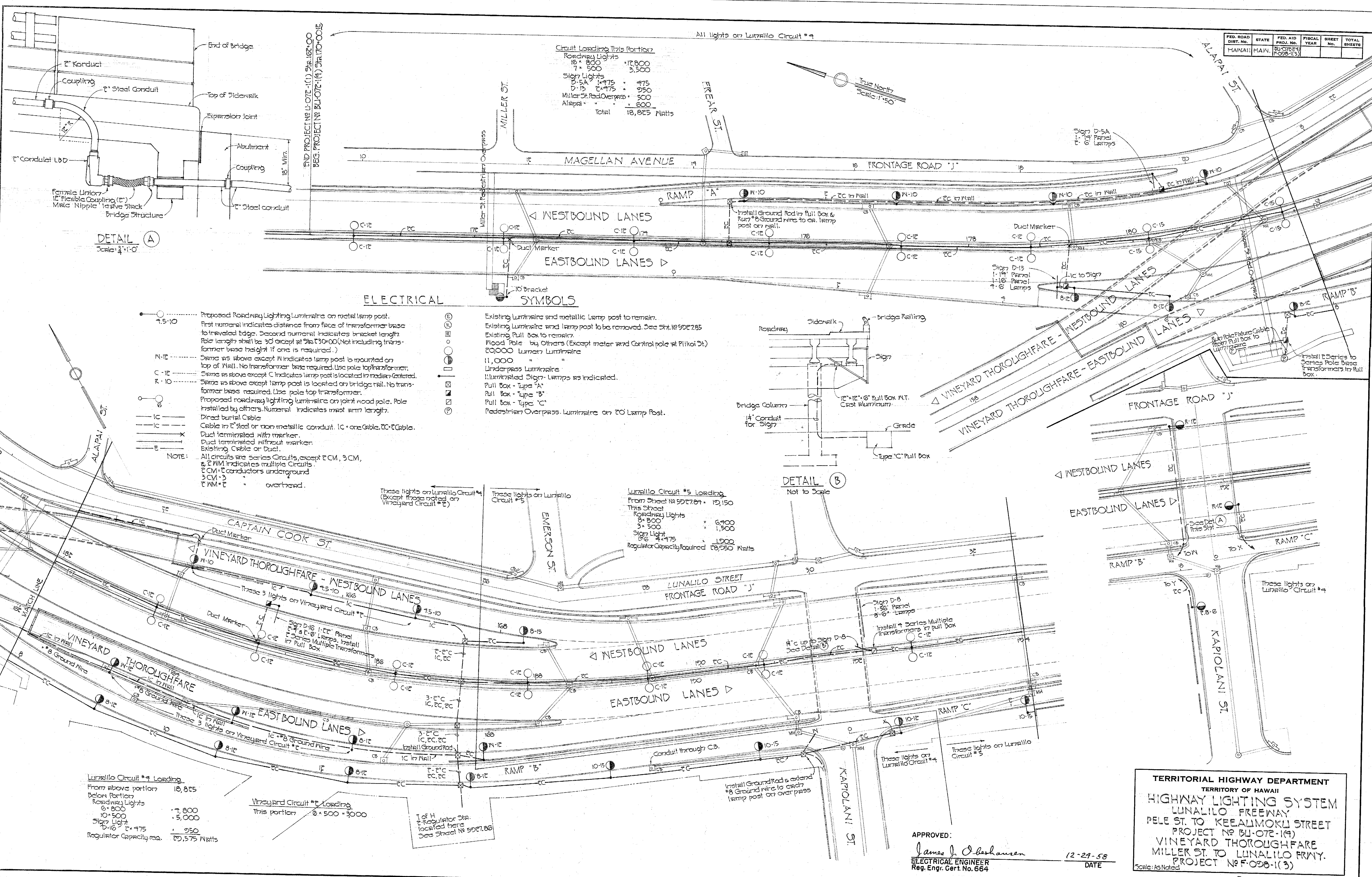
SHEET NO. 1 OF 3 SHEETS

5927

5928 E-1 (3)

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	100-000-100	1958	1	7



DETAIL (A)
Scale: 1/4" = 1'-0"

DETAIL (B)
Not to Scale

ELECTRICAL SYMBOLS

- 7.5-10 Proposed Roadway Lighting Luminaires on metal lamp post. First numeral indicates distance from face of transformer base to traveled edge. Second numeral indicates bracket length. Pole length shall be 30' except at 30'000 (Not including transformer base height if one is required.)
 - N-12 Same as above except N indicates lamp post is mounted on top of wall. No transformer base required. Use pole top transformer.
 - C-12 Same as above except C indicates lamp post is located in median. Centered.
 - R-10 Same as above except R indicates lamp post is located on bridge rail. No transformer base required. Use pole top transformer.
 - Proposed roadway lighting luminaires on joint road pole. Pole installed by others. Nutcracker indicates mast arm length.
 - Direct burial cable
 - Cable in 2" steel or non metallic conduit. 1C - one cable, 2C - 2 cables.
 - Duct terminated with marker.
 - Duct terminated without marker.
 - Existing cable or duct.
- NOTE: All circuits are series circuits, except 2CM, 3CM, & 2NM indicates multiple circuits.
2CM - 2 conductors underground
3CM - 3
2NM - 2 overhead.
- Existing Luminaires and metallic lamp post to remain.
 - Existing Luminaires and lamp post to be removed. See SH-10502785
 - Existing Pull box to remain.
 - Wood Pole by Others (Except meter and control pole at Piikoi St)
 - 20,000 Lumens Luminaires
 - 11,000 " "
 - Underpass Luminaires
 - Luminaires Sign - Lamps as indicated.
 - Pull Box - Type "A"
 - Pull Box - Type "B"
 - Pull Box - Type "C"
 - Pedestrian Overpass. Luminaires on 20' Lamp Post.

Lunalilo Circuit #4 Loading
From above portion 18,825
Below portion
Roadway Lights 6,800
10,000
Sign Light 950
Total 27,575
Regulator Capacity req. 20,575 Watts

Vineyard Circuit #2 Loading
This portion 6,500 = 3000

Lunalilo Circuit #5 Loading
From Sheet No 502781 - 12,150
This sheet
Roadway Lights 6,800
Sign Light 950
Regulator Capacity Required 18,950 Watts

APPROVED:
James J. Oshausen
ELECTRICAL ENGINEER
Reg. Engr. Cert. No. 664
DATE 12-29-58

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
HIGHWAY LIGHTING SYSTEM
LUNALILO FREEWAY
PELE ST. TO KEEALIMOKU STREET
PROJECT NO BU-072-1(4)
VINEYARD THOROUGHFARE
MILLER ST. TO LUNALILO FREEWAY
PROJECT NO F-038-1(3)
Scale: As Noted

SHEET No. 1 OF 7 SHEETS

5927.

5928.