

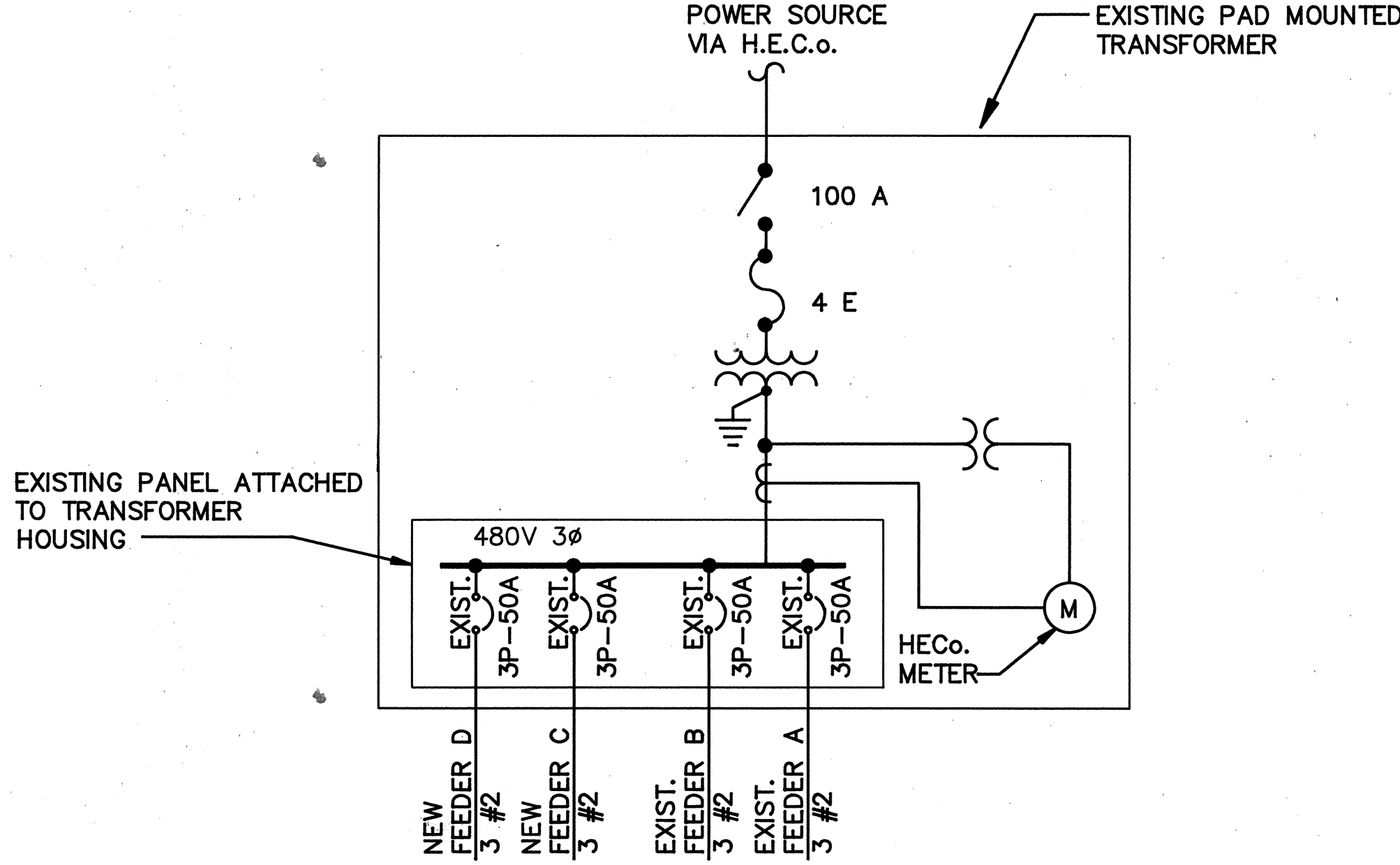
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-076-1(2)AND S-RS-0760(2)R/W	1990	119	148

LUMINAIRE NO. 44/C/BC
FEEDER
PHASES

L E G E N D				
SYMBOLS	REPRESENTS	REFERENCE		
		DETAIL	NOTE	
	SINGLE ARM METAL LIGHTING STANDARD, FOUNDATION, ANCHOR BASE AND 150 WATT H.P.S LAMP		3,4/E1	
	SINGLE MAST ARM INSTALLED ON JOINT POLE AND 150 WATT H.P.S. LAMP.		3,4/E1	
	PULLBOX, TYPE B FOR LIGHTING SYSTEM			
	UNDERGROUND RACEWAY FOR LIGHTING SYSTEM	1/E1	2/E1	
	EXISTING UTILITY POLE TO REMAIN			
	EXISTING UTILITY POLE TO BE REMOVED BY UTILITY Co.			
	EXISTING UTILITY JOINT POLE WITH STREET LIGHT TO BE REMOVED		4/E1	
	EXISTING UTILITY JOINT POLE, REMOVE EXISTING STREET LIGHT AND REPLACE		5/E1	

LIST OF ABBREVIATIONS

C	RACEWAY (TYPE & SIZE AS INDICATED)
NMR	NON-METALLIC RACEWAY (TYPE PVC)
RGS	RIGID GALVANIZED STEEL CONDUIT
PVC	POLYVINYL CHLORIDE CONDUIT
LTG.	LIGHTING
LTG. STD.	LIGHTING STANDARD
BKT.	BRACKET ARM
FND.	FOUNDATION
CKT.	CIRCUIT
FDR	FEEDER (OR BRANCH THEREOF)
GND.	GROUND
N.T.S.	NOT TO SCALE
N.I.C.	NOT IN CONTRACT
FUT.	FUTURE
(E)	EXISTING
CONC.	CONCRETE
H.P.S.	HIGH PRESSURE SODIUM LAMP
E.T.W.	EDGE OF TRAVELED WAY
U.O.N.	UNLESS OTHERWISE NOTED



SINGLE LINE DIAGRAM
NO SCALE

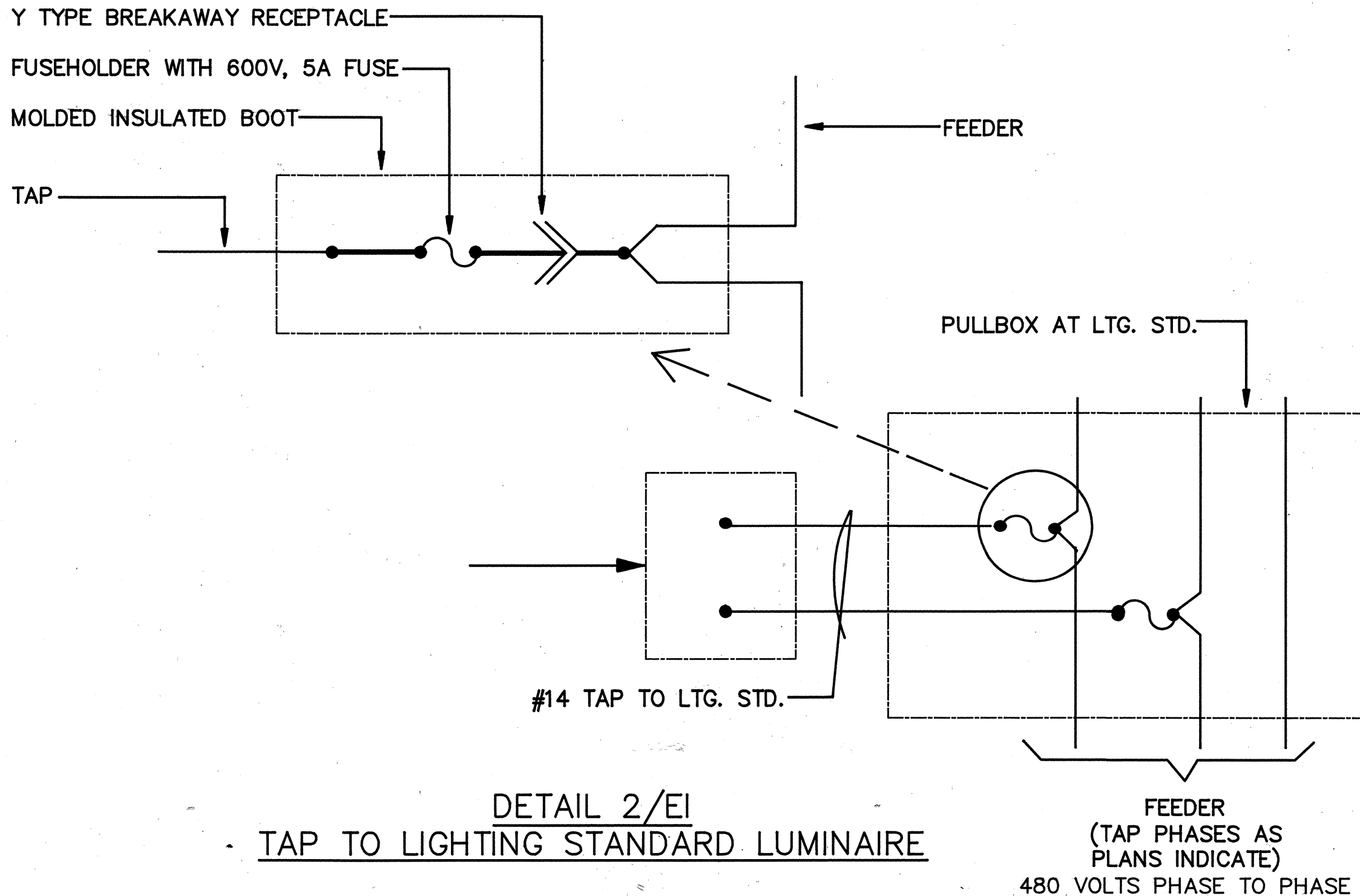
E L E C T R I C A L			
ITEM NUMBER		UNIT	QUANTITIES
622.7002	METAL LIGHTING STANDARD ON GRADE, SINGLE ARM.	EA.	29
622.7003	REMOVE MAST ARM ON EXIST. POLE	EA.	35
622.7004	MAST ARM , FOR CONCRETE POLES	EA.	7
622.7005	MAST ARM , FOR WOOD POLES	EA.	22
622.7006	RELOCATE EXIST. LIGHT STANDARD TO PRIVATE PROPERTY	EA.	1
622.7009	WIRE , 600 VOLT, I/C, #2	L.S.	(42,000 LF)
622.7016	PULLBOX, TYPE B , LIGHTING SYSTEM	EA.	30
622.7020	ELECTRICAL APPURTENANCES	L.S.	
622.7021	UNDERGROUND RACEWAY , LIGHTING SYSTEM	L.S.	(7,000 LF)
622.7022	PAPIPI ROAD MAST ARM RELOCATION	EA.	1

NOTE: ESTIMATED QUANTITY FOR LUMP SUM PAY ITEMS WILL BE USED TO DETERMINE THE THEORETICAL UNIT PRICE AS DEFINED IN SUB-SECTION 104.02(B) OF THE STANDARD SPECIFICATIONS.

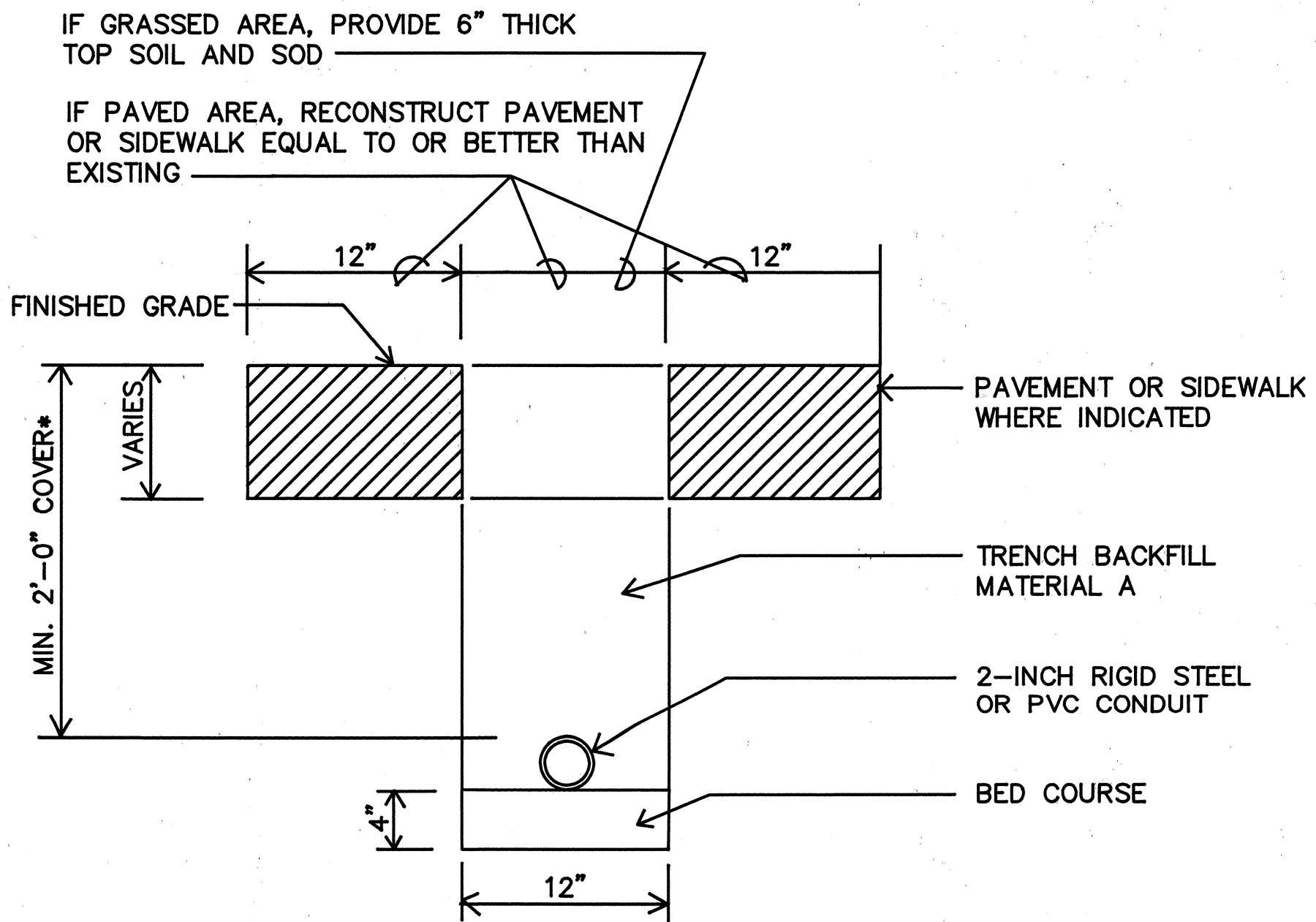
NOTES:

- 1/E1 DETAIL AND NOTES ARE NUMBERED AS FOLLOWS:
3/E1 ELECTRICAL SHEET ON WHICH DETAIL OR NOTE IS SHOWN
DETAIL OR NOTE NUMBER
- 2/E1 FOR UNDERGROUND RACEWAYS, PROVIDE TYPE RGS OR TYPE NMR. FOR RACEWAY EXPOSED OR IN STRUCTURE, PROVIDE TYPE RGS, EXCEPT AS OTHERWISE INDICATED
- 3/E1 ROADWAY MINIMUM AVERAGE MAINTAINED ILLUMINATION VALUE SHALL BE 0.8 FOOTCANDLES. TYPE II LUMINAIRE DISTRIBUTION PATTERN
- 4/E1 REMOVE EXIST. ARM AND FIXTURE. STOCKPILE ALL FIXTURES AND ARMS AT JOB SITE AT A LOCATION DESIGNATED BY THE ENGINEER.
- 5/E1 REMOVE EXIST. ARM AND FIXTURE AND STOCKPILE AS IN NOTE 4 ABOVE. INSTALL NEW ARM AND FIXTURE.

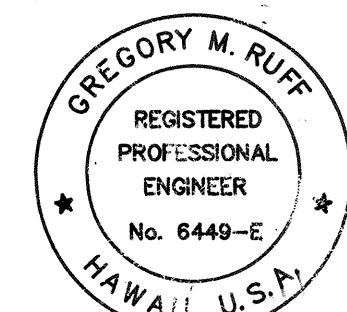
DATE	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



DETAIL 2/E1
TAP TO LIGHTING STANDARD LUMINAIRE



DETAIL 1/E1
TRENCH FOR RACEWAY
NOT TO SCALE



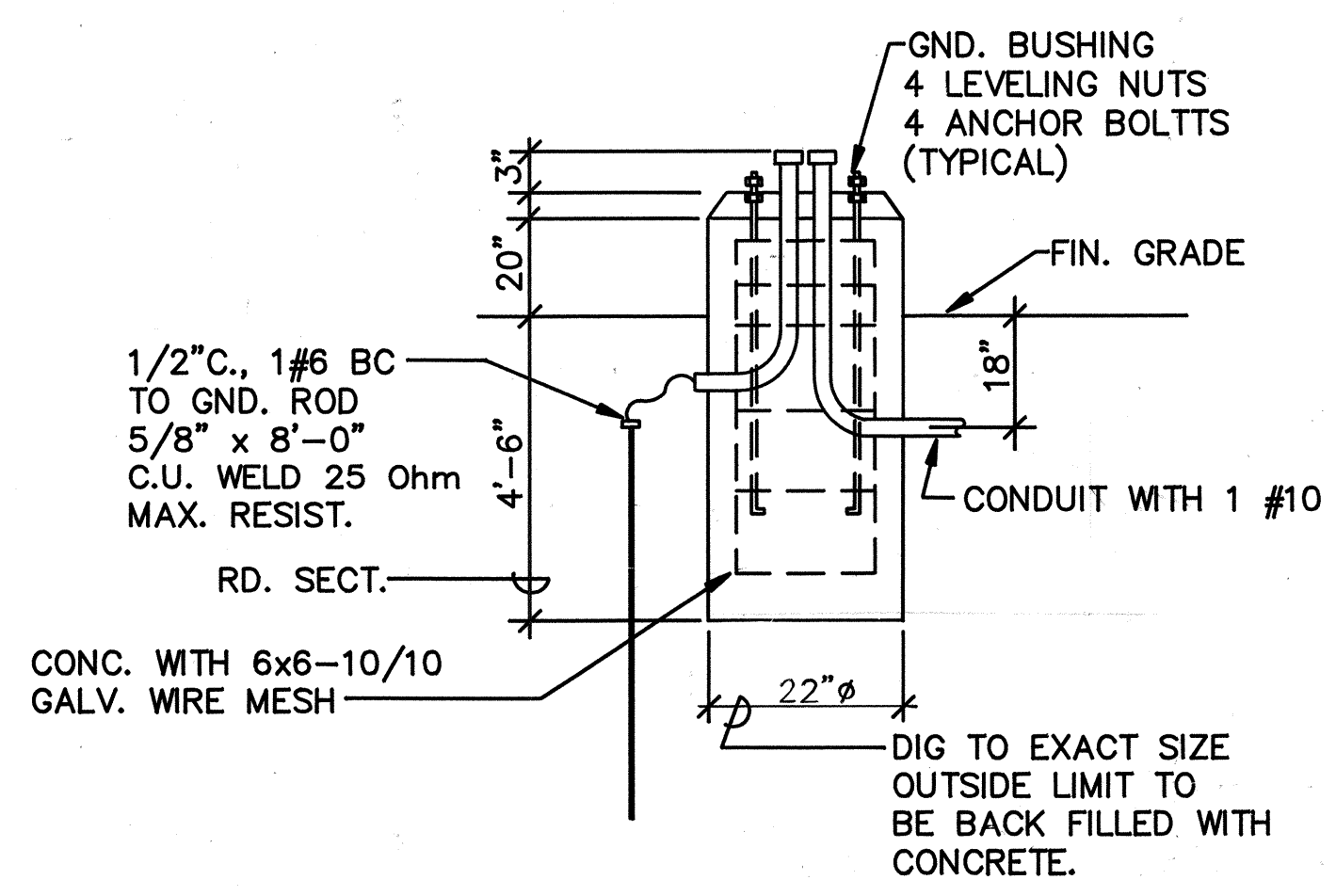
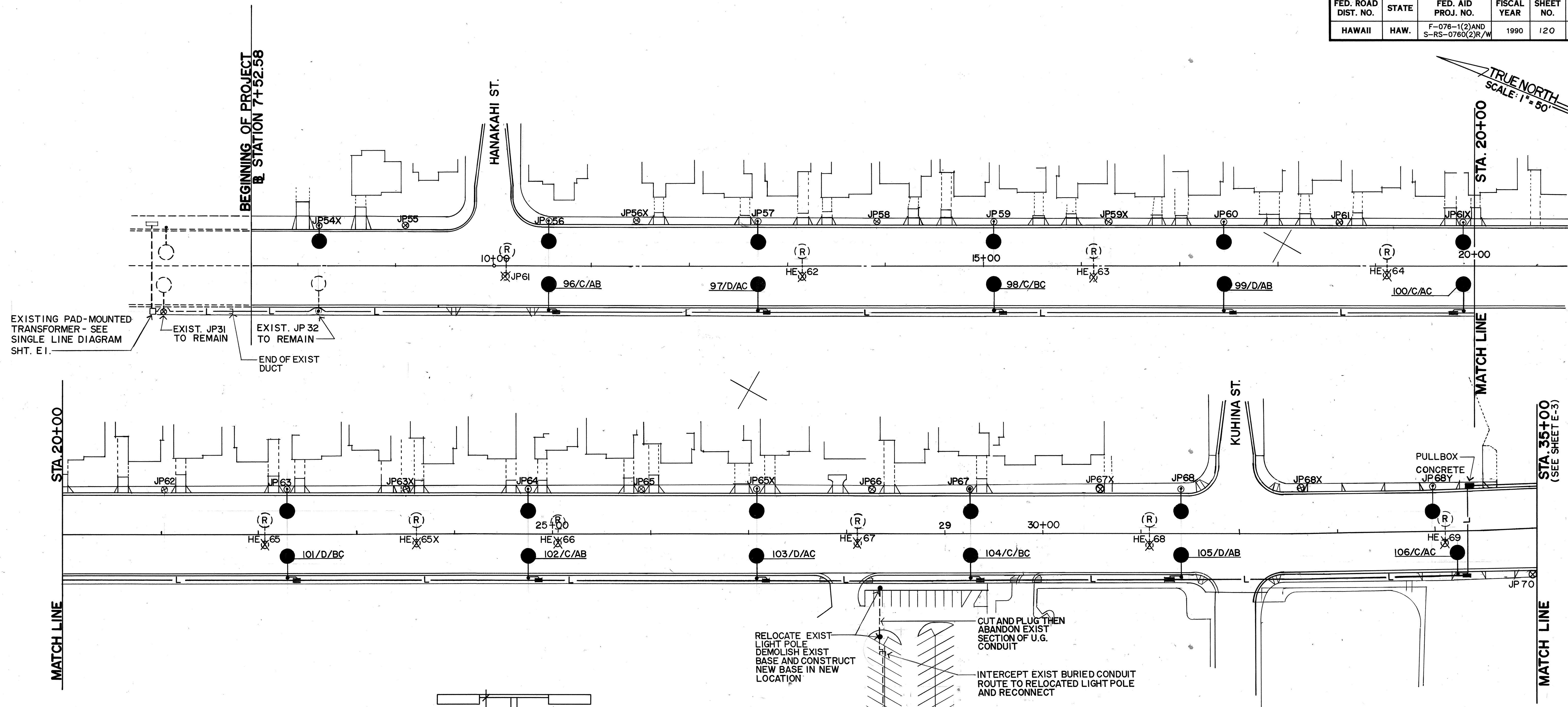
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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ELECTRICAL PLAN

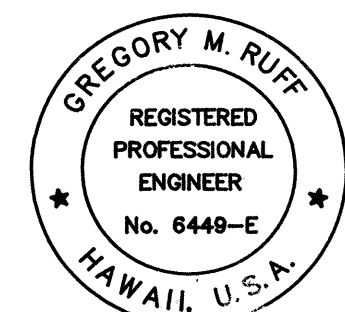
FORT WEAVER ROAD
F.A.P. PROJ. F-076-1(2)AND
S-RS-0760(2)R/W

SCALE: AS INDICATED DATE: JUNE 1989
SHEET No. E1 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-076-1(2) AND S-RS-0760(2)R/W	1990	120	148



PARKING AREA LIGHT STANDARD AND BASE
NOT TO SCALE



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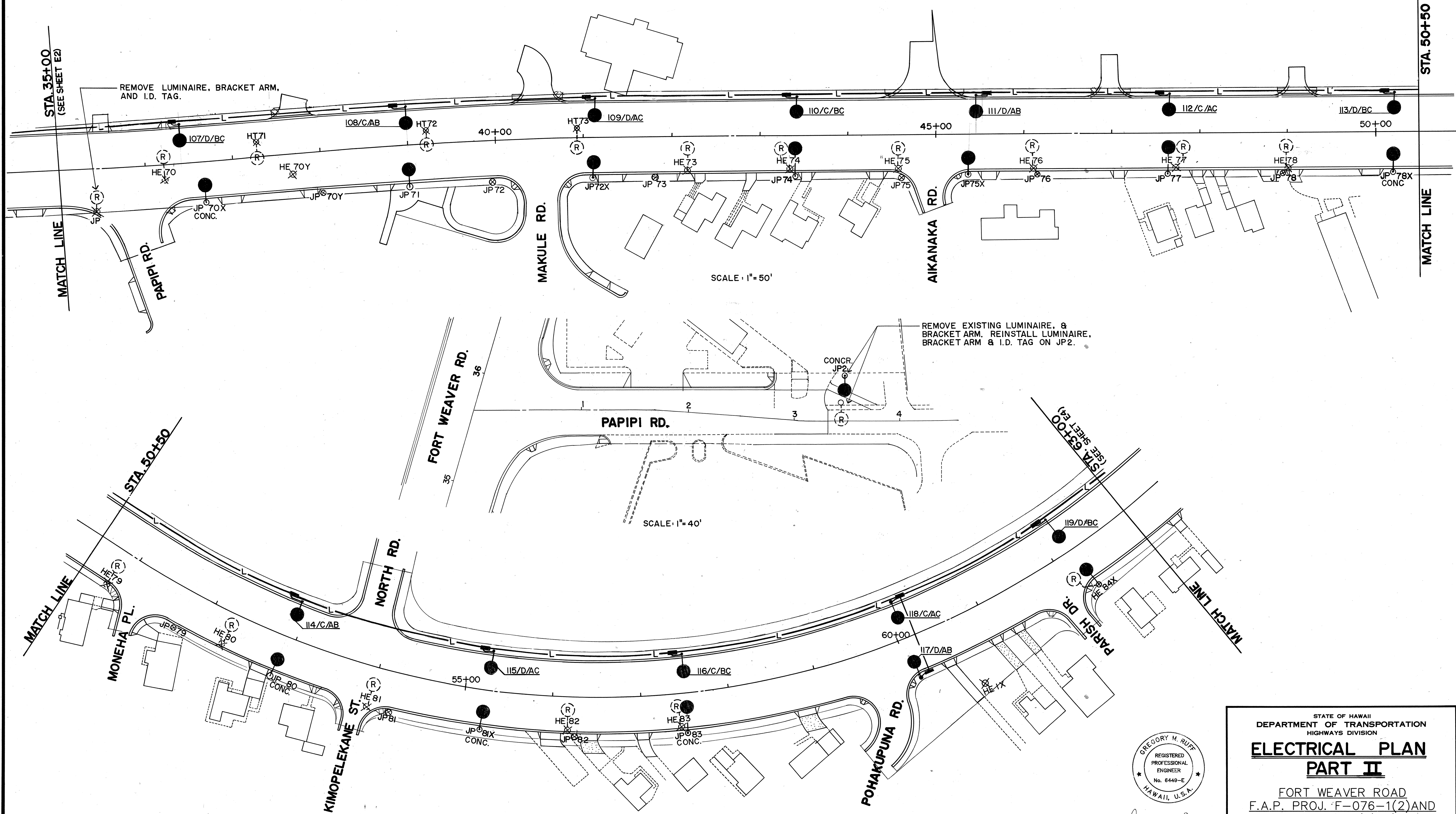
ELECTRICAL PLAN
PART I

FORT WEAVER ROAD
F.A.P. PROJ. F-076-1(2) AND
S-RS-0760(2)R/W

SCALE: 1" = 50' DATE: JUNE 1989

SHEET NO. E20F 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-076-1(2)AND S-RS-0760(2)R/W	1990	121	148



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	



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HIGHWAYS DIVISION

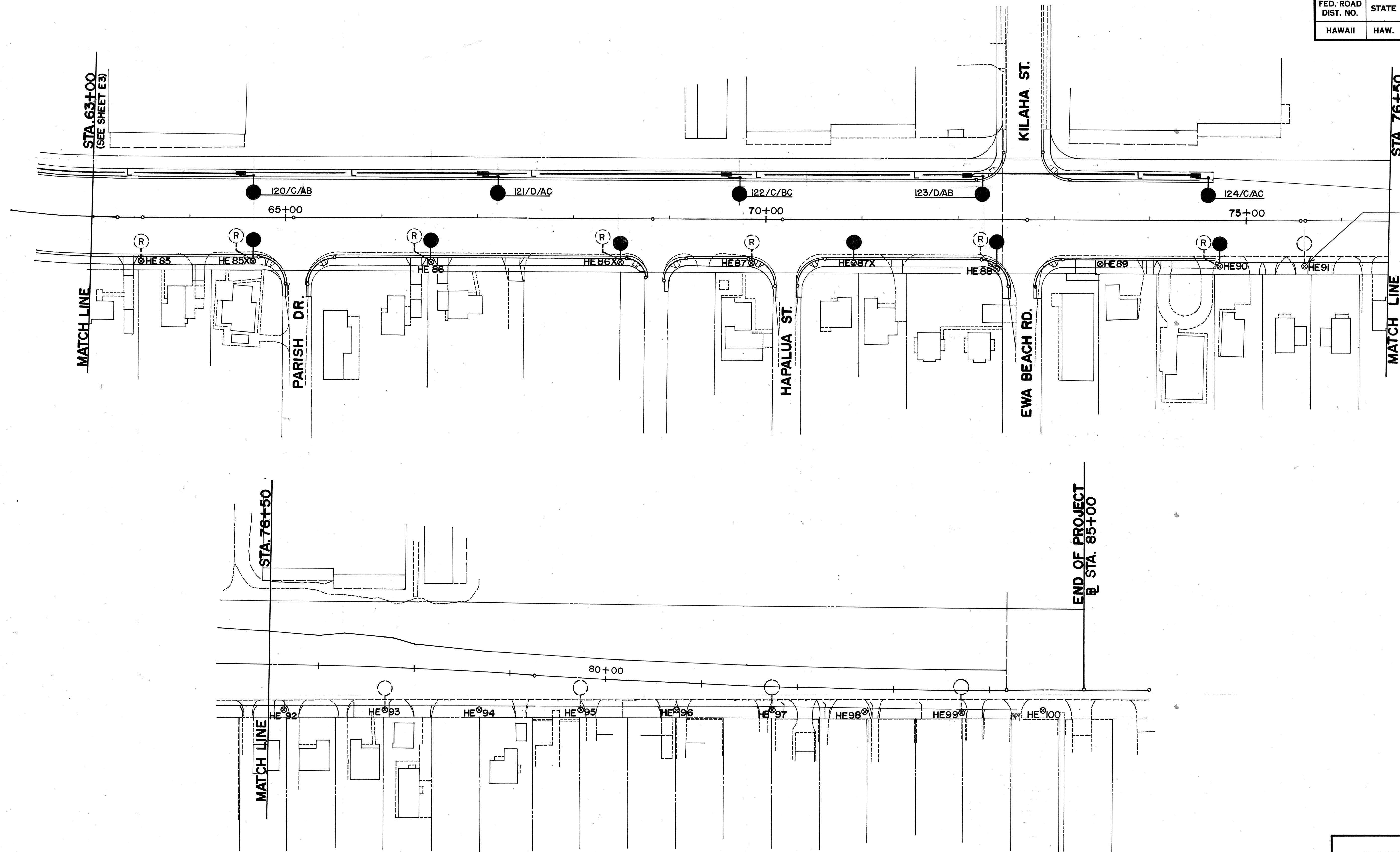
**ELECTRICAL PLAN
PART II**

FORT WEAVER ROAD
F.A.P. PROJ. F-076-1(2)AND
S-RS-0760(2)R/W

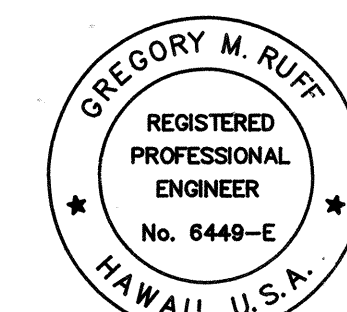
SCALE: AS INDICATED DATE: JUNE 1989

SHEET No. E3 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-076-1(2)AND S-RS-0760(2)R/W	1990	122	148



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



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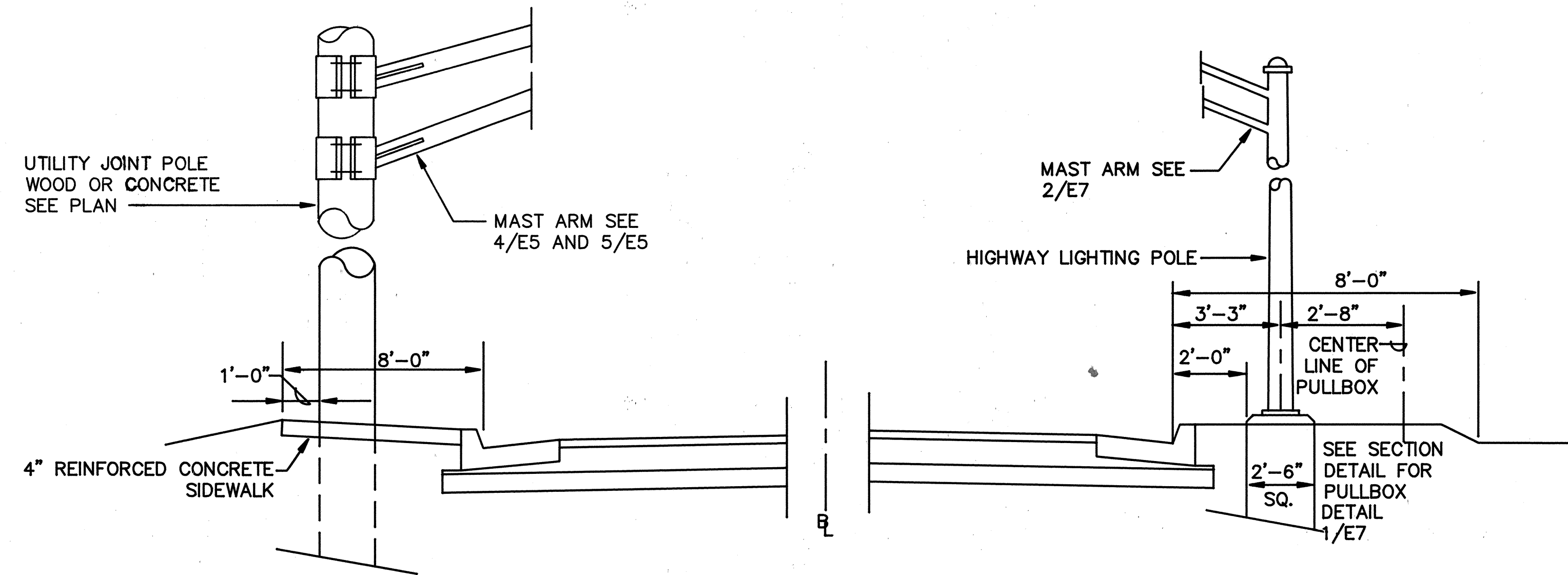
ELECTRICAL PLAN PART III

FORT WEAVER ROAD
F.A.P. PROJ. F-076-1(2)AND
S-RS-0760(2)R/W

SCALE: 1" = 50' DATE: JUNE 1989

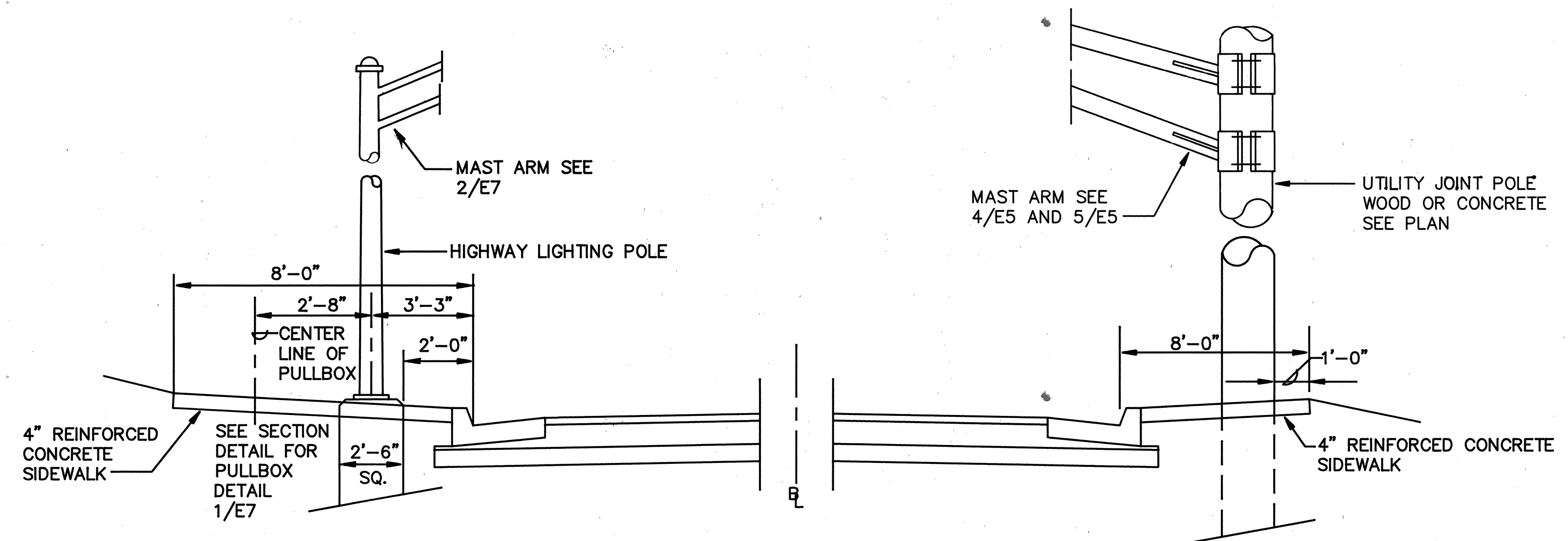
SHEET No. E4 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-076-1(2) AND S-RS-0760(2)R/W	1990	124	148



TYPICAL SECTION 1/E6 - JP 54X TO JP 68Y

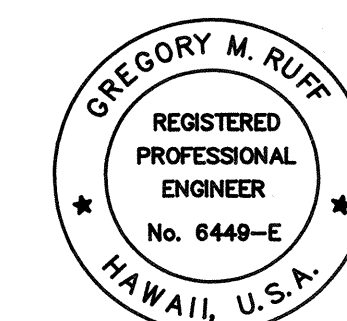
NOT TO SCALE



TYPICAL SECTION 2/E6 - JP 70X TO JP 83

NOT TO SCALE

ORIGINAL PLAN	DATE
NO.	
SURVEY PLOTTED BY	
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	



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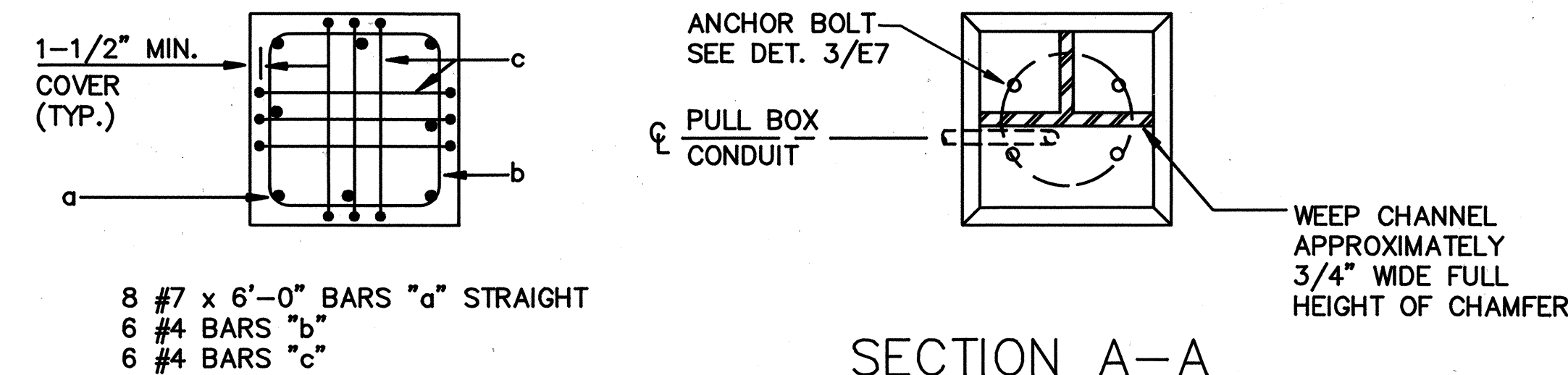
ELECTRICAL DETAILS

FORT WEAVER ROAD
F.A.P. PROJ. F-076-1(2) AND
S-RS-0760(2)R/W

SCALE: AS INDICATED DATE: JUNE 1989

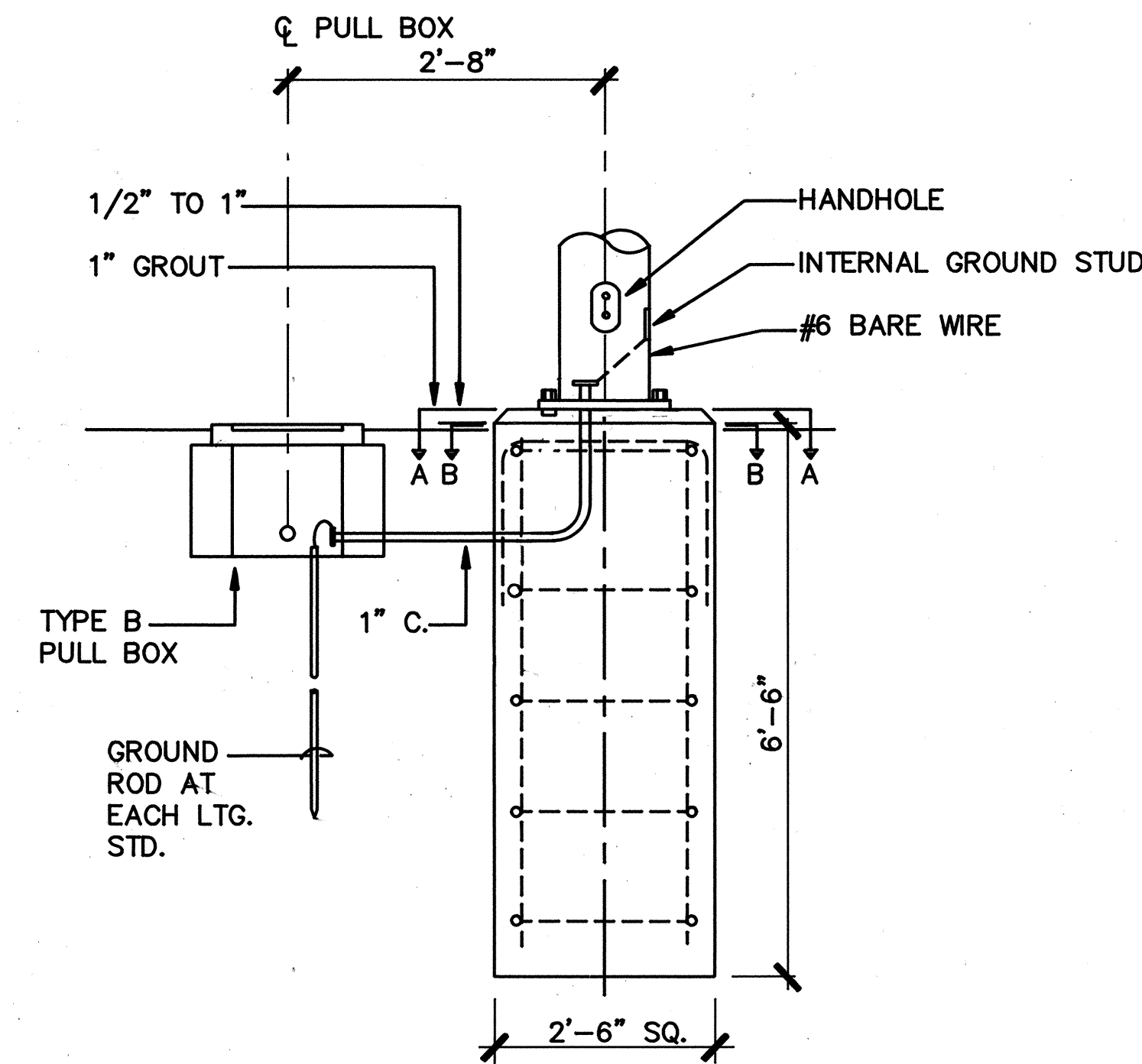
SHEET No. E6 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-076-1(2) AND S-RS-0760(2)R/W	1990	125	148

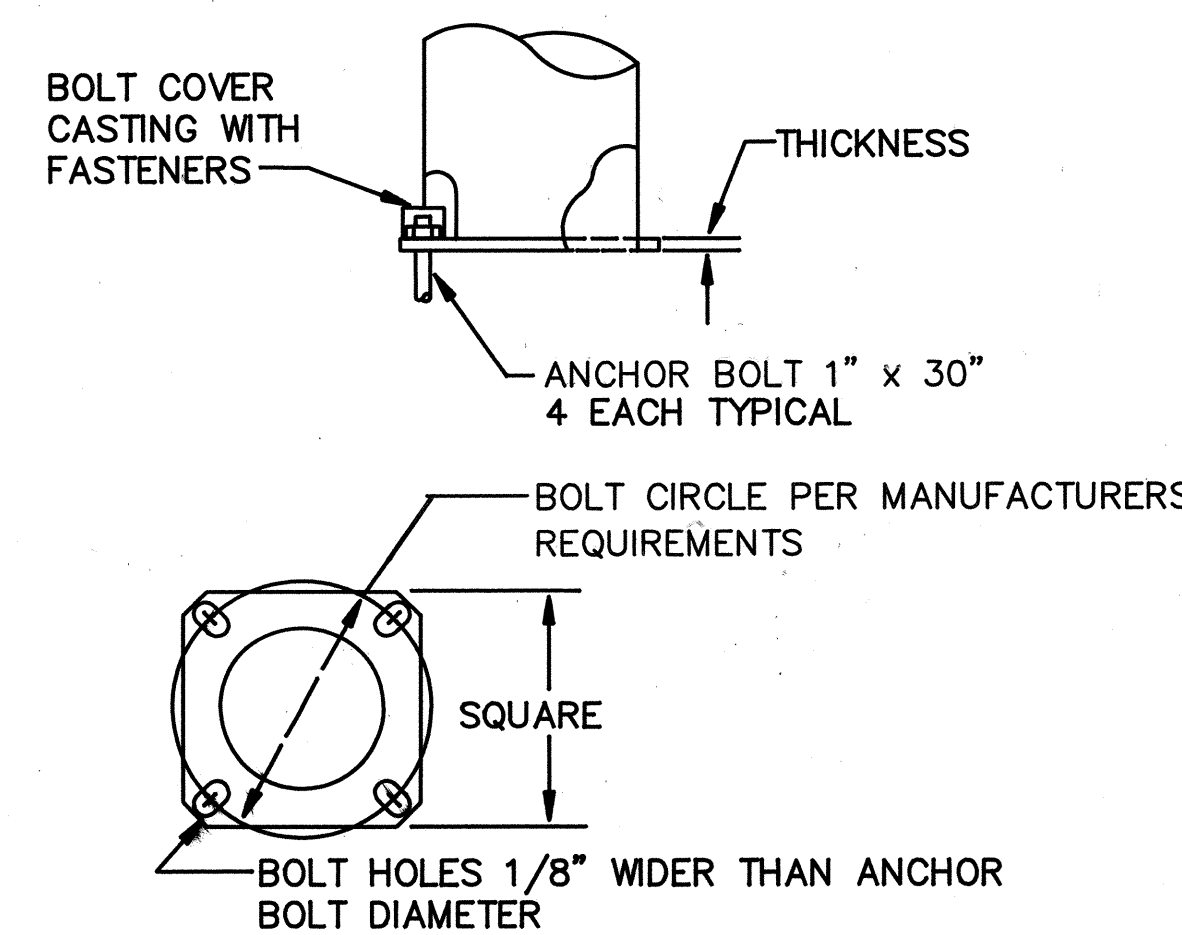


SECTION A-A
FOUNDATION PLAN

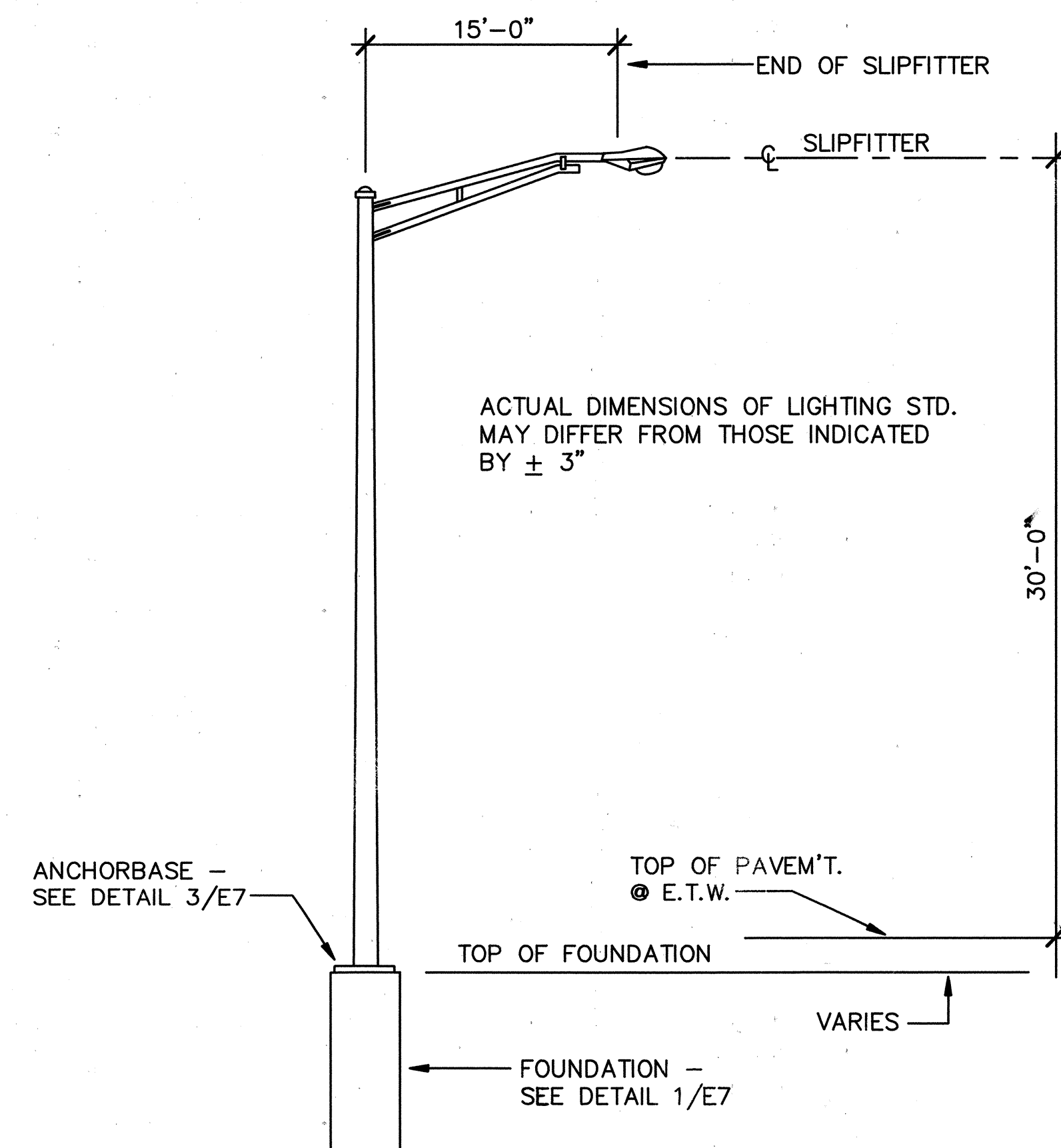
SECTION B-B
REINFORCING PLAN



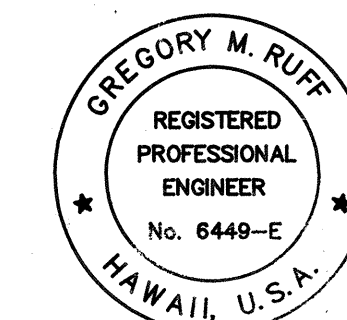
DETAIL 1/E7
LIGHTING STANDARD FOUNDATION
NOT TO SCALE



BASE PLATE
NOT TO SCALE



DETAIL 2/E7 - LIGHTING STANDARD
NOT TO SCALE



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ELECTRICAL DETAILS

FORT WEAVER ROAD
F.A.P. PROJ. F-076-1(2) AND
S-RS-0760(2)R/W

SCALE: AS INDICATED DATE: JUNE 1989

SHEET No. E7 OF 7 SHEETS