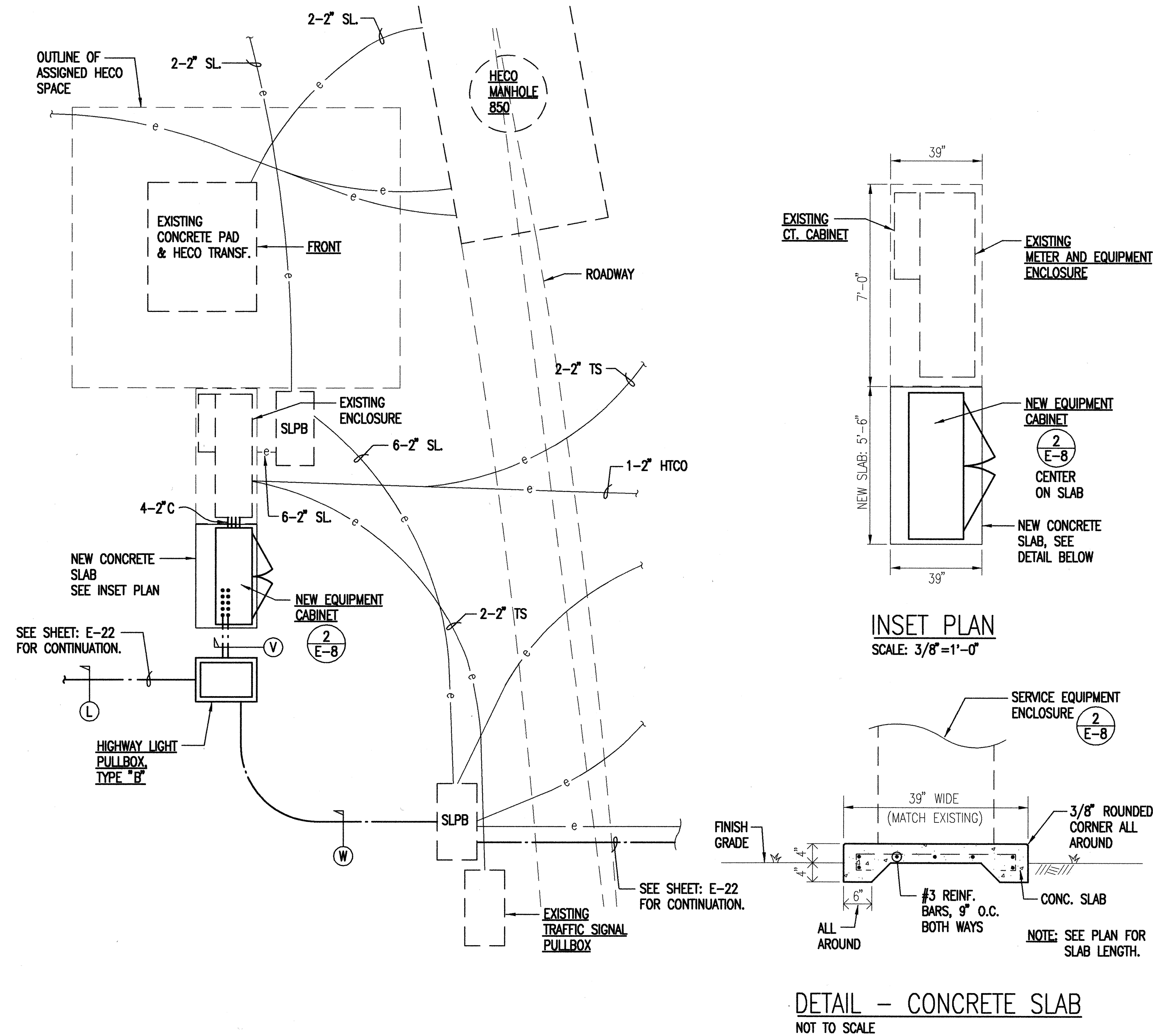
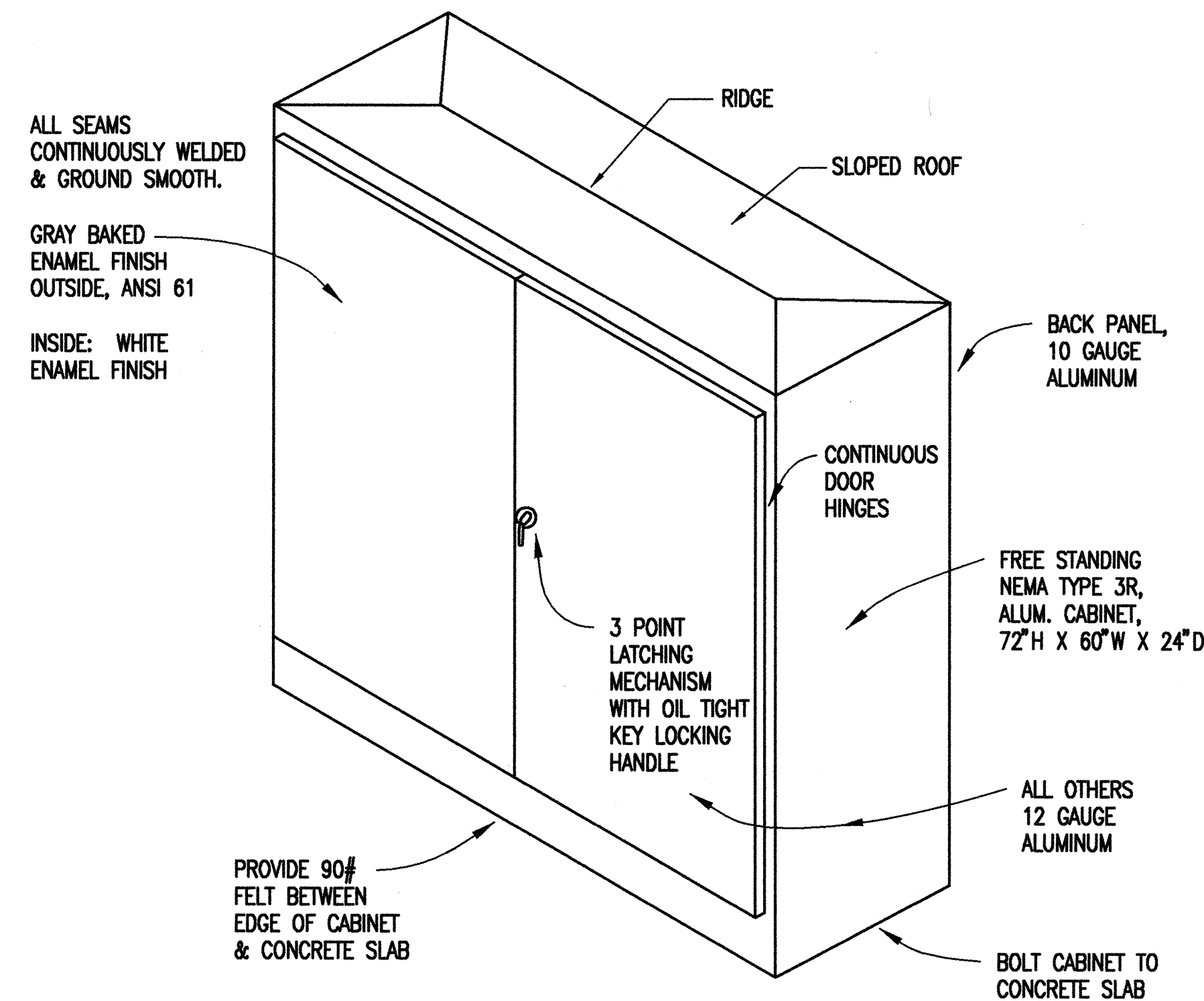


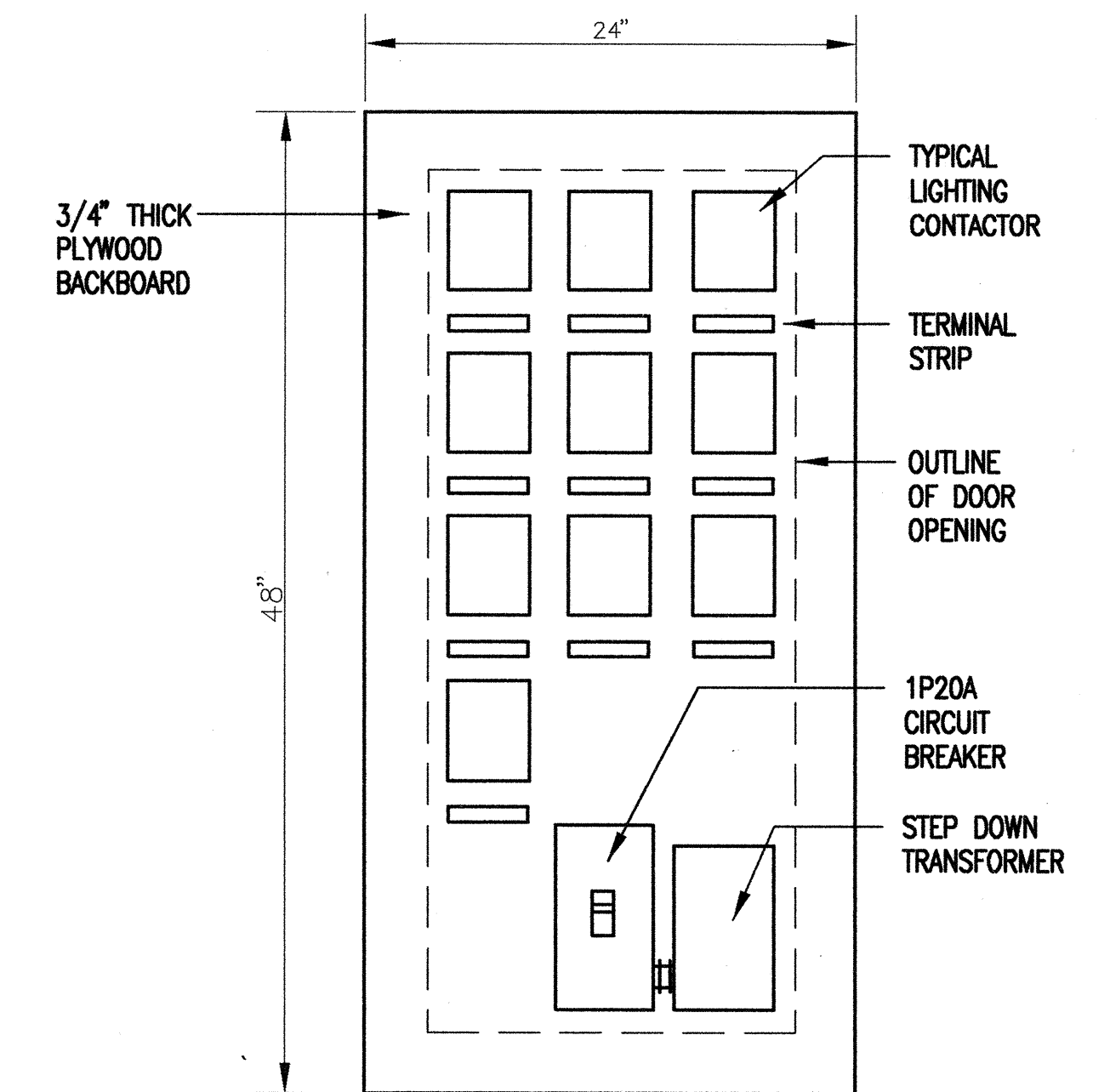
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	20	64



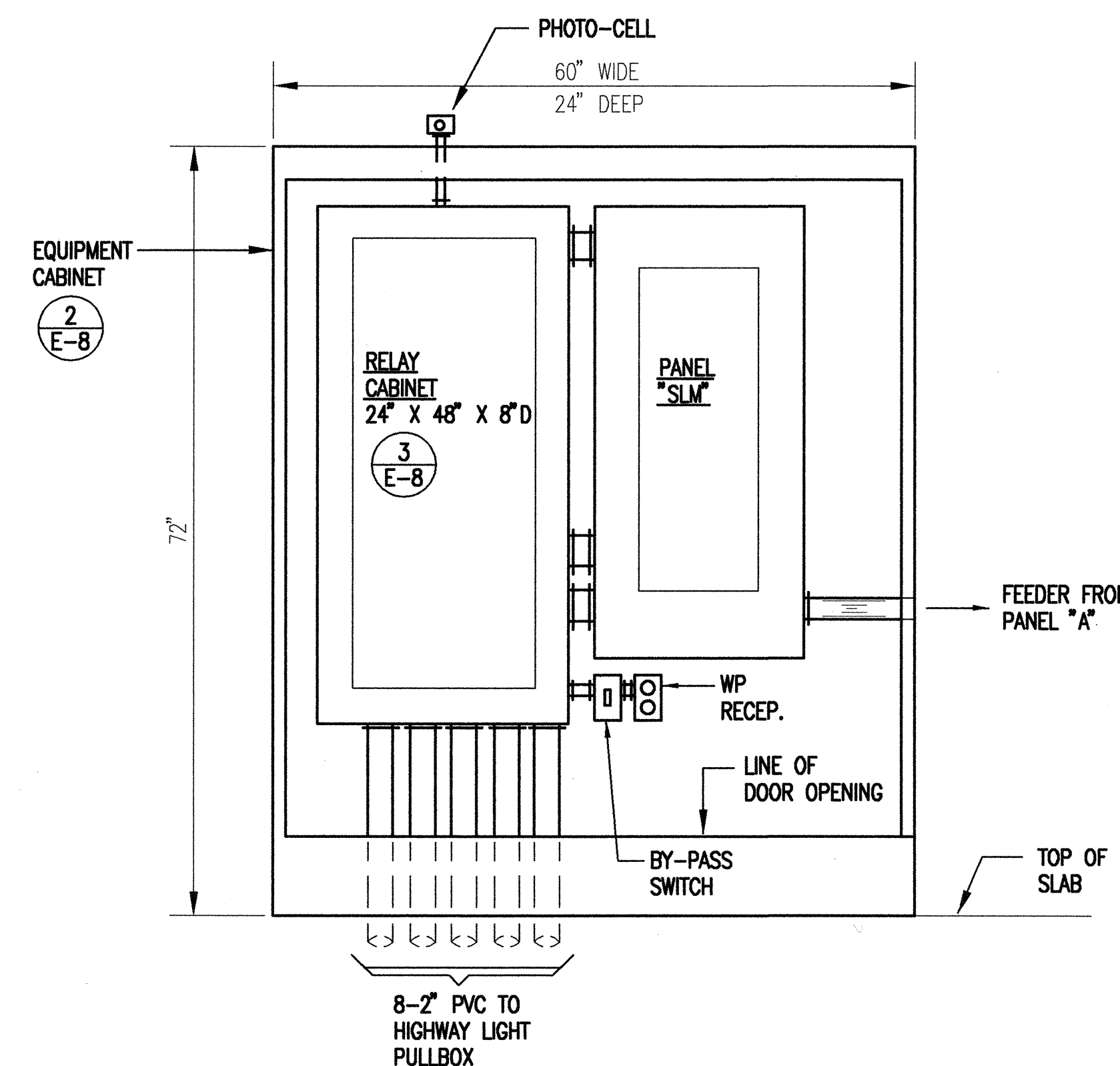
1 PLAN - MILILANI INTERCHANGE - SERVICE EQUIPMENT
E-8 SCALE: 1/4" = 1'-0"



2 ELEVATION - SERVICE EQUIPMENT ENCLOSURE
E-8 NOT TO SCALE



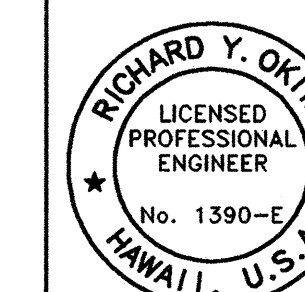
3 RELAY CABINET - INTERIOR ELEVATION
E-8 NOT TO SCALE



4 ELEVATION - SERVICE EQUIPMENT
E-8 NOT TO SCALE

9/13/99	REVISED PLAN 1/E-8, ADDED CONCRETE SLAB DETAIL, ADDED RECEPT., 4/E-8.
DATE	REVISION

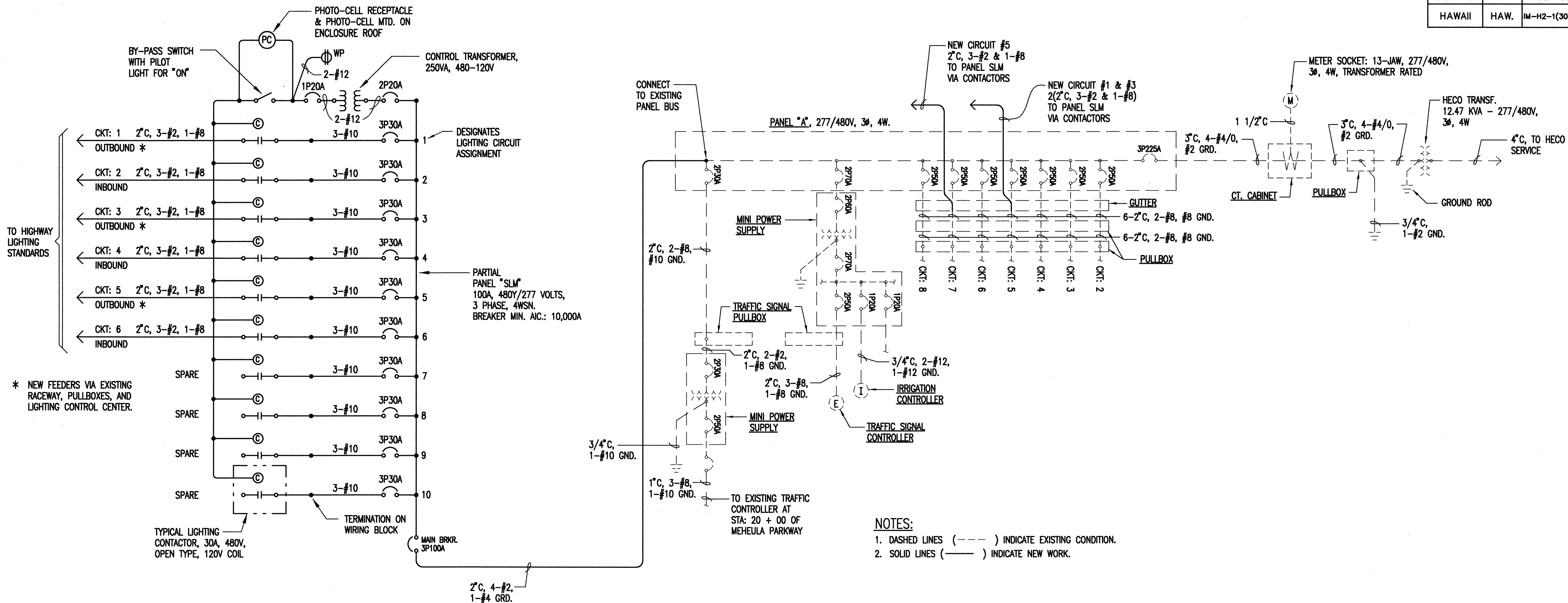
E-8



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
MILILANI INTERCHANGE
SERVICE EQUIPMENT DETAILS
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 8 OF 52 SHEETS

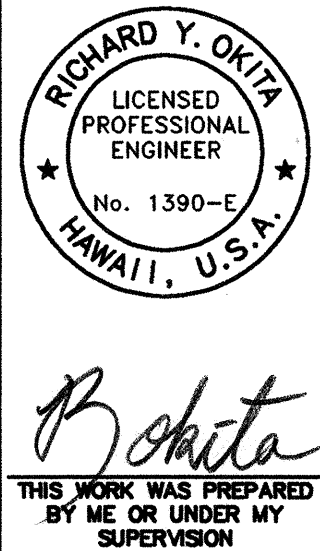
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	21	64



1 LIGHTING CONTROL DIAGRAM
E-9 NOT TO SCALE

E-9

9/13/99	REVISED LIGHTING CONTROL DIAGRAM
DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIGHTING CONTROL DIAGRAM

INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIKAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

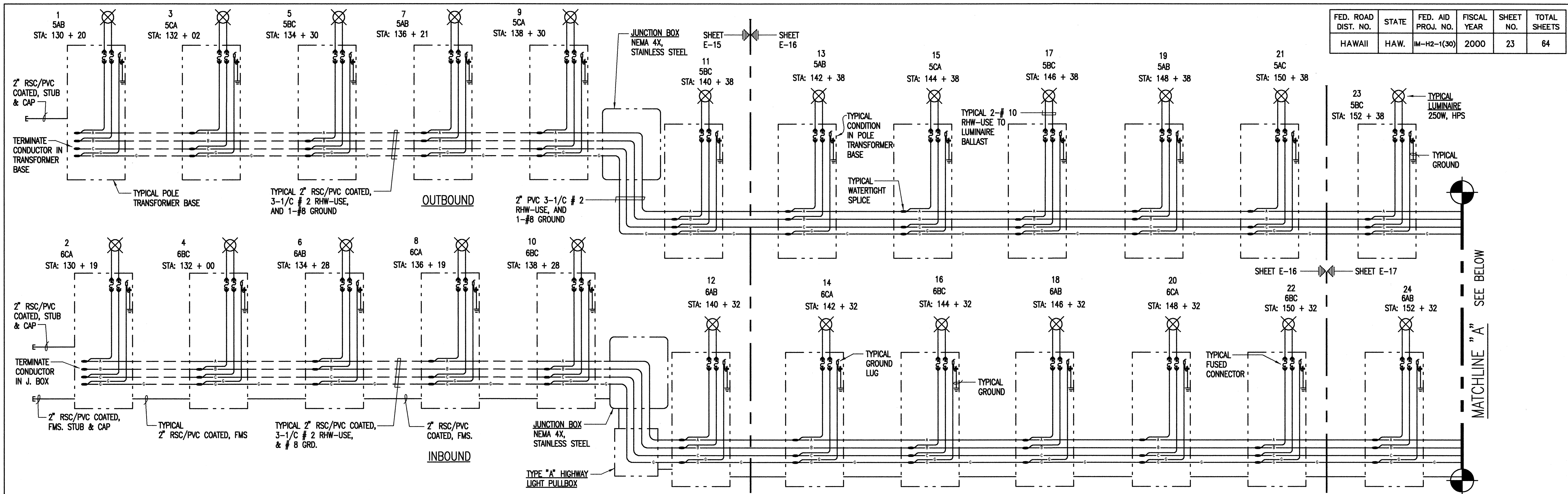
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 9 OF 52 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	22	64

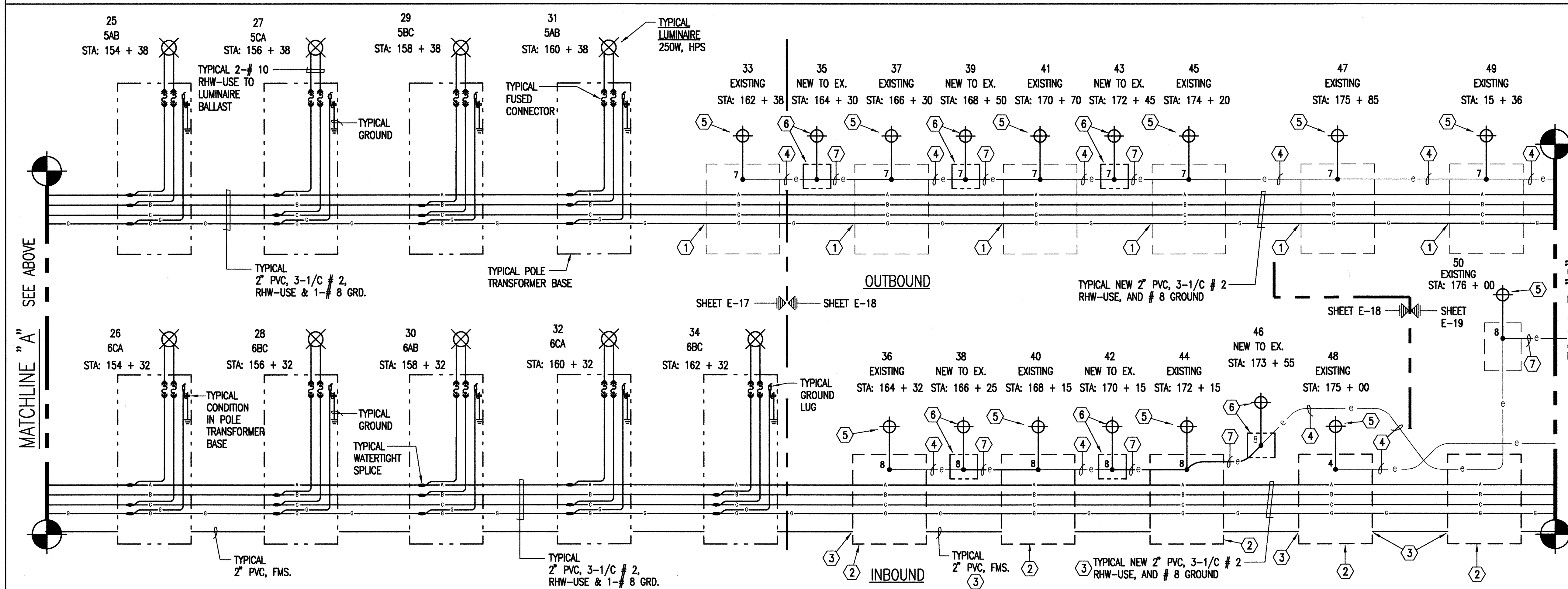
LIGHT NO. ON PLAN	POLE LOCATION		POLE SHEET LOCATION	POLE HEIGHT	ARM LENGTH	BASE DETAIL	LOCATION DETAIL	REMARKS
	STATION	LANE I.B. O.B.						
1	130+20	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
2	130+19	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
3	132+02	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
4	132+00	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
5	134+30	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
6	134+28	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
7	136+21	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
8	136+19	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
9	138+30	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
10	138+28	•	E-15	35'-6"	8'-0"	S-7	1/E-5	MOUNTED ON WAIKAKALAUA BRIDGE
11	140+38	•	E-15	35'-6"	12'-0"	E-3	2/E-5	POLE BASE APPROX. 1'-6" ABOVE PAVEMENT GRADE
12	140+32	•	E-15	35'-6"	12'-0"	E-3	9/E-5	
13	142+38	•	E-16	35'-6"	12'-0"	E-3	9/E-5	
14	142+32	•	E-16	35'-6"	12'-0"	E-3	9/E-5	
15	144+38	•	E-16	35'-6"	12'-0"	E-3	9/E-5	
16	144+32	•	E-16	35'-6"	12'-0"	E-3	9/E-5	
17	146+38	•	E-16	35'-6"	12'-0"	E-3	9/E-5	
18	146+32	•	E-16	35'-6"	12'-0"	E-3	6/E-5	
19	148+38	•	E-16	35'-6"	12'-0"	E-3	9/E-5	
20	148+32	•	E-16	35'-6"	12'-0"	E-3	6/E-5	
21	150+38	•	E-16	35'-6"	12'-0"	E-3	15/E-6	
22	150+32	•	E-16	35'-6"	12'-0"	E-3	10/E-5	
23	152+38	•	E-17	35'-6"	12'-0"	E-3	15/E-6	
24	152+32	•	E-17	35'-6"	12'-0"	E-3	22/E-6	
25	154+38	•	E-17	35'-6"	12'-0"	E-3	15/E-6	
26	154+32	•	E-17	35'-6"	12'-0"	E-3	22/E-6	
27	156+38	•	E-17	35'-6"	12'-0"	E-3	15/E-6	
28	156+32	•	E-17	35'-6"	12'-0"	E-3	22/E-6	
29	158+38	•	E-17	35'-6"	12'-0"	E-3	15/E-6	
30	158+32	•	E-17	35'-6"	12'-0"	E-3	22/E-6	
31	160+38	•	E-17	35'-6"	12'-0"	E-3	15/E-6	
32	160+32	•	E-17	35'-6"	12'-0"	E-3	22/E-6	
33	162+38	•	E-17	35'-6"	12'-0"	E-3	17/E-6	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
34	162+32	•	E-17	35'-6"	12'-0"	E-3	13/E-5	
35	164+30	•	E-18	35'-6"	12'-0"	E-3	15/E-6	
36	164+32	•	E-18	35'-6"	12'-0"	E-3	13/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
37	166+30	•	E-18	35'-6"	12'-0"	E-3	17/E-6	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
38	166+25	•	E-18	35'-6"	12'-0"	E-3	13/E-5	
39	168+50	•	E-18	35'-6"	12'-0"	E-3	9/E-5	
40	168+15	•	E-18	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
41	170+70	•	E-18	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
42	170+15	•	E-18	35'-6"	12'-0"	E-3	9/E-5	
43	172+45	•	E-18	35'-6"	12'-0"	E-3	9/E-5	
44	172+15	•	E-18	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
45	174+20	•	E-18	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
46	173+55	•	E-18	35'-6"	12'-0"	E-3	9/E-5	
47	175+85	•	E-19	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
48	175+00	•	E-18	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
49	15+36	•	E-19	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
50	176+00	•	E-19	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
51	180+00	•	E-19	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
52	178+10	•	E-19	35'-6"	12'-0"	E-3	6/E-5	NEW LOCATION

LIGHT NO. ON PLAN	POLE LOCATION		POLE SHEET LOCATION	POLE HEIGHT	ARM LENGTH	BASE DETAIL	LOCATION DETAIL	REMARKS
	STATION	LANE I.B. O.B.						
53	182+10	•	E-19	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
54	180+15	•	E-19	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
55	184+15	•	E-19	35'-6"	12'-0"	E-3	6/E-5	
56	182+15	•	E-19	35'-6"	12'-0"	E-3	6/E-5	
57	186+10	•	E-20	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
58	184+15	•	E-19	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
59	191+94	•	E-20	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
60	186+15	•	E-20	35'-6"	12'-0"	E-3	6/E-5	
61	194+05	•	E-20	35'-6"	12'-0"	E-3	6/E-5	
62	188+20	•	E-20	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
63	196+00	•	E-20	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
64	191+95	•	E-20	35'-6"	12'-0"	E-3	6/E-5	
65	198+08	•	E-23	35'-6"	12'-0"	E-3	6/E-5	
66	194+10	•	E-20	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
67	200+05	•	E-23	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
68	196+10	•	E-20	35'-6"	12'-0"	E-3	6/E-5	
69	201+80	•	E-23	35'-6"	12'-0"	E-3	6/E-5	
70	198+20	•	E-23	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
70A	15+40	RAMP IM-2	E-23	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
71	203+55	•	E-23	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
71A	19+40	RAMP IM-1	E-23	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
71B	21+10	RAMP IM-1	E-23	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
72	17+95	•	E-23	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
73	23+07	•	E-23	35'-6"	12'-0"	E-3	6/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
74	19+80	•	E-23	35'-6"	12'-0"	E-3	6/E-5	
75	209+50	•	E-24	35'-6"	12'-0"	E-3	7/E-5	
76	21+65	•	E-23	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
77	211+50	•	E-24	35'-6"	12'-0"	----	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
78	23+70	•	E-23	35'-6"	12'-0"	E-3	6/E-5	
79	213+40	•	E-24	35'-6"	12'-0"	E-3	8/E-5	
80	209+55	•	E-24	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
81	215+35	•	E-24	35'-6"	12'-0"	----	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
82	211+50	•	E-24	35'-6"	12'-0"	E-3	6/E-5	
83	217+40	•	E-24	35'-6"	12'-0"	E-3	8/E-5	
84	213+35	•	E-24	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
85	219+30	•	E-24	35'-6"	12'-0"	----	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
86	215+30	•	E-24	35'-6"	12'-0"	E-3	6/E-5	
87	221+33	•	E-25	35'-6"	12'-0"	E-3	8/E-5	POLE BASE 2'-7" ABOVE PAVEMENT
88	217+30	•	E-24	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
89	223+34	•	E-25	35'-6"	12'-0"	E-3	8/E-5	POLE BASE 2'-7" ABOVE PAVEMENT
90	219+25	•	E-24	35'-6"	12'-0"	E-3	9/E-5	
91	225+35	•	E-25	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
92	221+20	•	E-25	35'-6"	12'-0"	E-3	9/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
93	228+50	•	E-25	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
94	223+18	•	E-25	35'-6"	12'-0"	E-3	8/E-5	
95	230+47	•	E-25	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
96	225+37	•	E-25	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
97	232+47	•	E-25	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
98	228+50	•	E-25	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
99	234+50	•	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
100	230+30	•	E-25	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
101	236+45	•	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE

LIGHT NO. ON PLAN	POLE LOCATION		POLE SHEET LOCATION	POLE HEIGHT	ARM LENGTH	BASE DETAIL	LOCATION DETAIL	REMARKS
	STATION	LANE I.B. O.B.						
102	232+30	●	E-25	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
103	238+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
104	234+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
105	240+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
106	236+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
107	242+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
108	238+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
109	244+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
110	240+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
111	246+59	●	E-26	35'-6"	12'-0"	E-3	5/E-5	POLE BASE 12" BELOW FINISH PAVEMENT
112	242+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
113	248+60	●	E-27	35'-6"	12'-0"	E-3	19/E-6	WALL 2'-1" ABOVE FINISH PAVEMENT
114	244+45	●	E-26	35'-6"	8'-0"	S-6	4/E-5	MOUNTED ON KIPAPA STREAM BRIDGE
115	250+61	●	E-27	35'-6"	12'-0"	E-3	19/E-6	WALL 2'-6" ABOVE FINISH PAVEMENT
116	246+37	●	E-26	35'-6"	12'-0"	E-3	5/E-5	
117	252+62	●	E-27	35'-6"	12'-0"	E-3	19/E-6	WALL 2'-6" ABOVE FINISH PAVEMENT
118	248+37	●	E-27	35'-6"	12'-0"	E-3	6/E-5	
119	254+64	●	E-27	35'-6"	12'-0"	S-4	23/E-6	MOUNTED ON RETAINING WALL
120	250+37	●	E-27	35'-6"	12'-0"	E-3	6/E-5	
121	256+66	●	E-27	35'-6"	12'-0"	S-4	23/E-6	MOUNTED ON RETAINING WALL
122	252+37	●	E-27	35'-6"	12'-0"	E-3	6/E-5	
123	258+68	●	E-27	35'-6"	12'-0"	S-4	23/E-6	MOUNTED ON RETAINING WALL
124	254+37	●	E-27	35'-6"	12'-0"	E-3	6/E-5	
125	260+70	●	E-28	29'-6"	12'-0"	E-3	19/E-6	WALL 6'-9" ABOVE FINISH PAVEMENT
126	256+37	●	E-27	35'-6"	12'-0"	E-3	6/E-5	
127	262+72	●	E-28	29'-6"	12'-0"	E-3	19/E-6	WALL 6'-9" ABOVE FINISH PAVEMENT
128	258+37	●	E-27	35'-6"	12'-0"	E-3	6/E-5	
129	264+74	●	E-28	29'-6"	12'-0"	E-3	19/E-6	WALL 6'-9" ABOVE FINISH PAVEMENT
130	260+40	●	E-28	35'-6"	12'-0"	E-3	7/E-5	
131	266+76	●	E-28	35'-6"	12'-0"	E-3	9/E-5	
132	262+37	●	E-28	29'-6"	12'-0"	E-3	19/E-6	WALL 6'-9" ABOVE FINISH PAVEMENT
133	268+78	●	E-28	35'-6"	12'-0"	E-3	9/E-5	
134	264+37	●	E-28	29'-6"	12'-0"	E-3	19/E-6	WALL 6'-9" ABOVE FINISH PAVEMENT
135	270+80	●	E-28	35'-6"	12'-0"	E-3	16/E-6	
136	266+40	●	E-28	35'-6"	12'-0"	E-3	7/E-5	
137	272+82	●	E-28	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
138	268+37	●	E-28	35'-6"	12'-0"	E-3	9/E-5	
139								SEE SHEET: E-37
140	270+37	●	E-28	35'-6"	12'-0"	E-3	6/E-5	
141								SEE SHEET: E-37
142	272+37		E-29	35'-6"	12'-0"	E-3	10/E-5	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	23	64

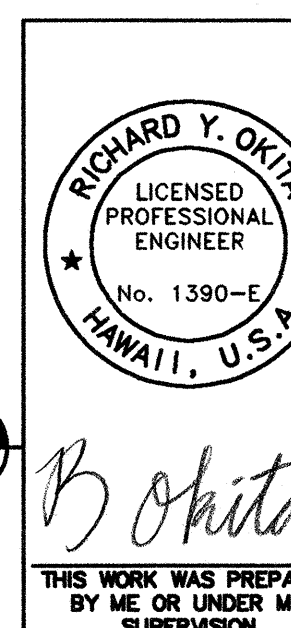


1 HIGHWAY LIGHT CONNECTION E-11 DIAGRAM I (M) NOT TO SCALE

ELECTRICAL NOTES:

- 1 STUB NEW 2" PVC INTO EXISTING PULLBOX.
- 2 EXISTING HIGHWAY LIGHT PULLBOX.
- 3 STUB NEW 2-2" PVC RACEWAY INTO EXISTING PULLBOX.
- 4 EXISTING RACEWAY AND WIRING TO REMAIN, 2"C, 2-# 2, 1-# 6.
- 5 DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHTING STANDARD WITH CONCRETE BASE AND WIRING TO EXISTING PULLBOX.
- 6 INTERCEPT EXISTING DUCTLINE WITH NEW PULLBOX. PROVIDE NEW WIRING BETWEEN EXISTING AND NEW PULLBOXES. PROVIDE NEW CONCRETE BASE AND LIGHT STANDARD.
- 7 EXISTING 2"C, REMOVE EXISTING 2-#2, 1-#6 GROUND, PULL-IN NEW 2-#2 RHW-USE & 1-#8 GROUND.

9/13/99	REVISED HIGHWAY LIGHT CONNECTION DIAGRAM, ADDED NOTE NO.7, REVISED NOTE NO.5
DATE	REVISION



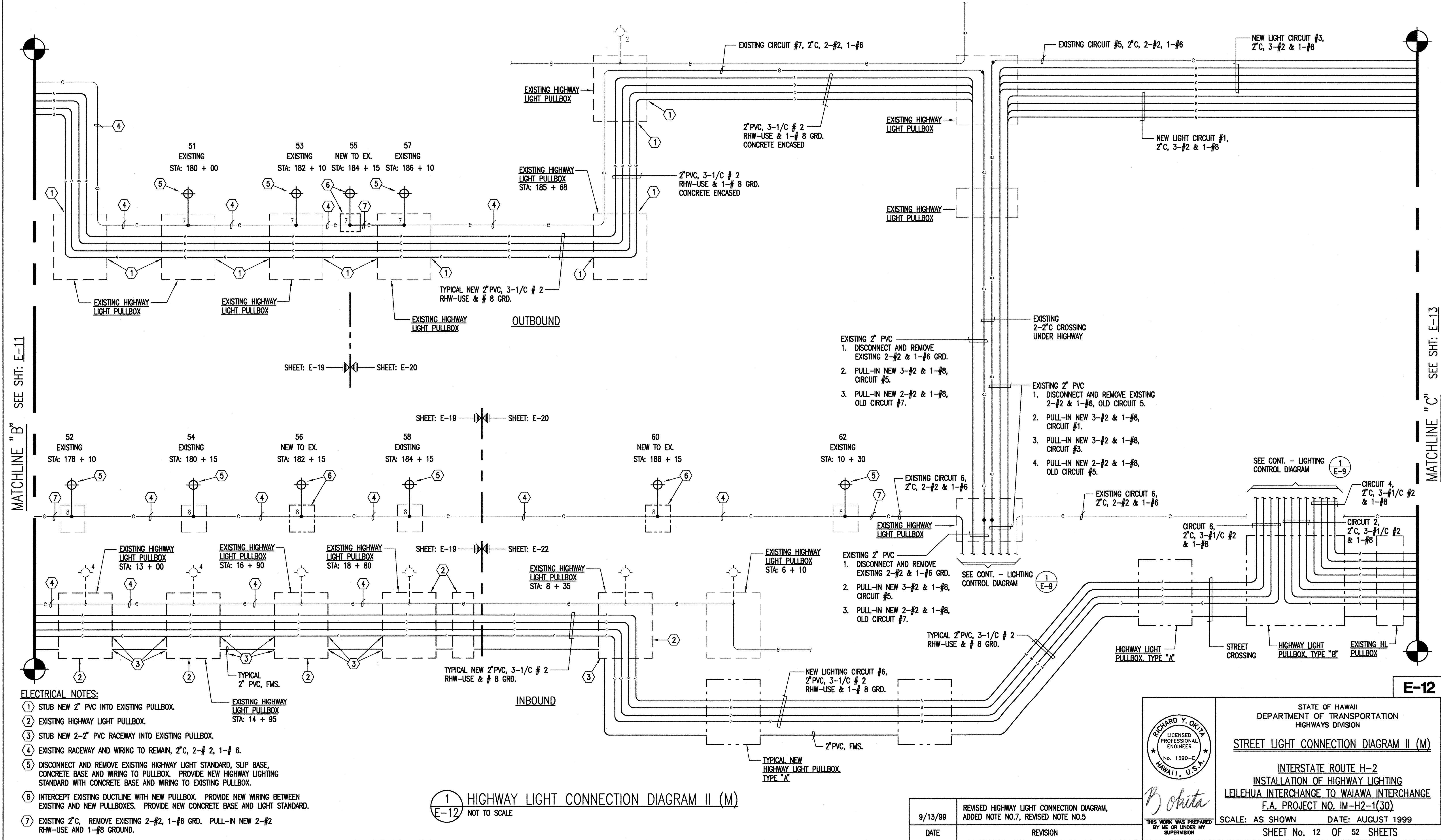
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHT CONNECTION DIAGRAM I (M)

INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAI'AWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 11 OF 52 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	24	64



- ELECTRICAL NOTES:**
- STUB NEW 2" PVC INTO EXISTING PULLBOX.
 - EXISTING HIGHWAY LIGHT PULLBOX.
 - STUB NEW 2-2" PVC RACEWAY INTO EXISTING PULLBOX.
 - EXISTING RACEWAY AND WIRING TO REMAIN, 2" C, 2-# 2, 1-# 6.
 - DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHTING STANDARD WITH CONCRETE BASE AND WIRING TO EXISTING PULLBOX.
 - INTERCEPT EXISTING DUCTLINE WITH NEW PULLBOX. PROVIDE NEW WIRING BETWEEN EXISTING AND NEW PULLBOXES. PROVIDE NEW CONCRETE BASE AND LIGHT STANDARD.
 - EXISTING 2" C, REMOVE EXISTING 2-#2, 1-#6 GRD. PULL-IN NEW 2-#2 RHW-USE AND 1-#8 GROUND.

1 HIGHWAY LIGHT CONNECTION DIAGRAM II (M)
E-12 NOT TO SCALE

9/13/99	REVISED HIGHWAY LIGHT CONNECTION DIAGRAM, ADDED NOTE NO.7, REVISED NOTE NO.5
DATE	REVISION

RICHARD Y. OHITA
LICENSED PROFESSIONAL ENGINEER
No. 1390-E
HAWAII, U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

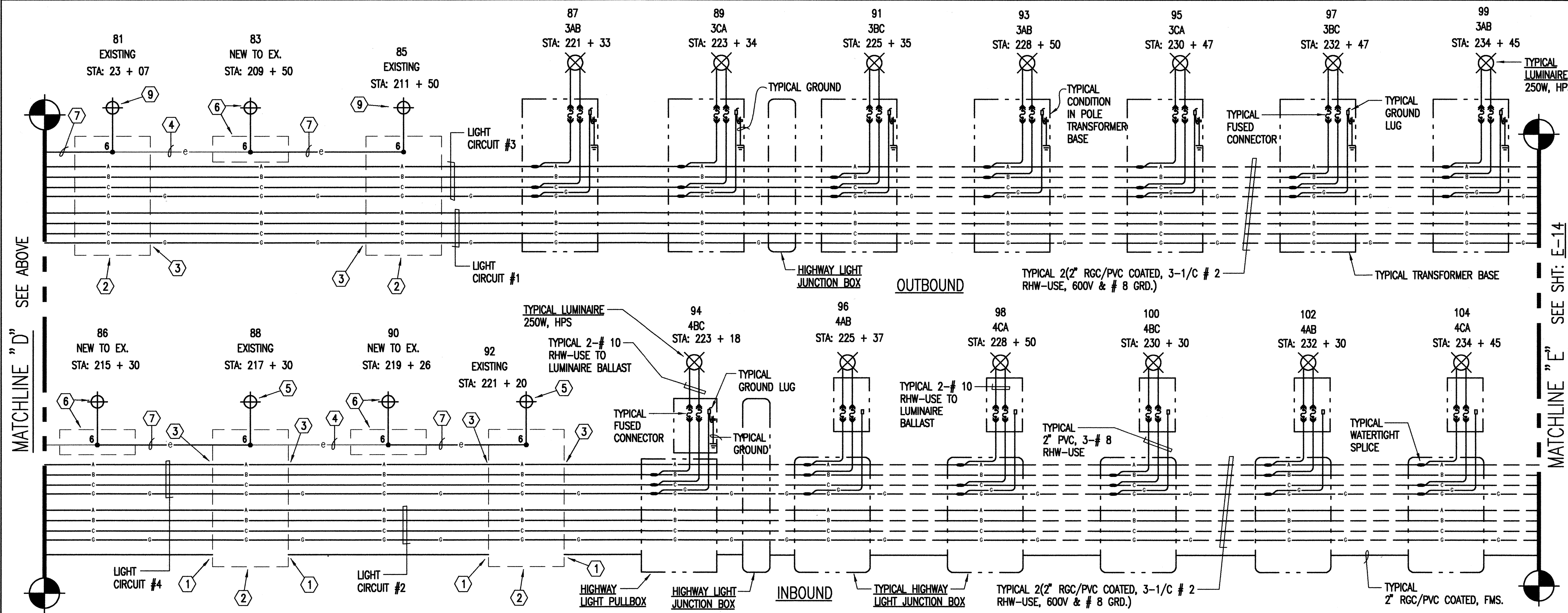
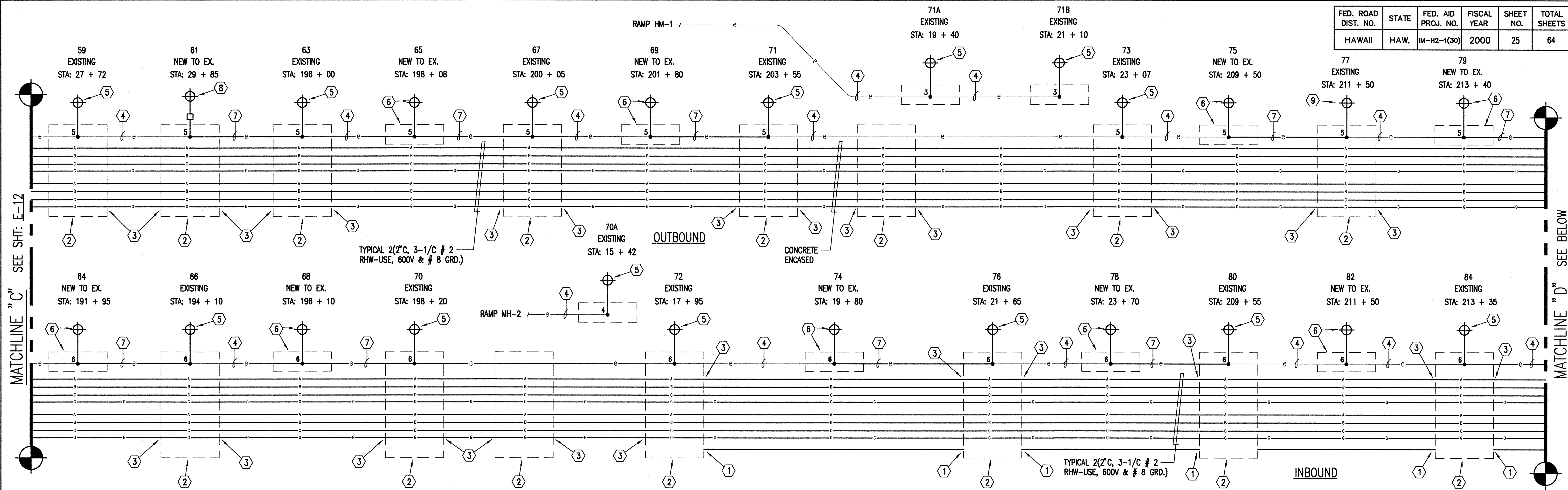
STREET LIGHT CONNECTION DIAGRAM II (M)

INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

SCALE: AS SHOWN DATE: AUGUST 1999

SHEET No. 12 OF 52 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	25	64



1 HIGHWAY LIGHT CONNECTION DIAGRAM III (M) E-13 NOT TO SCALE

- ELECTRICAL NOTES:**
- STUB NEW 2" PVC INTO EXISTING PULLBOX.
 - EXISTING HIGHWAY LIGHT PULLBOX.
 - STUB NEW 2-2" PVC RACEWAY INTO EXISTING PULLBOX.
 - EXISTING RACEWAY AND WIRING TO REMAIN, 2"C, 2-# 2, 1-# 6.
 - DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHTING STANDARD WITH CONCRETE BASE AND WIRING TO EXISTING PULLBOX.
 - INTERCEPT EXISTING DUCTLINE WITH NEW PULLBOX. PROVIDE NEW WIRING BETWEEN EXISTING AND NEW PULLBOXES. PROVIDE NEW CONCRETE BASE AND LIGHT STANDARD.
 - EXISTING 2"C, REMOVE EXISTING 2-#2, 1-#6 GROUND, PULL-IN NEW 2-#2 RHW-USE & 1-#8 GROUND.
 - NEW CONCRETE BASE, LIGHT STANDARD AND WIRING TO EXISTING PULLBOX AND CIRCUIT.
 - DISCONNECT AND REMOVE EXISTING STEEL POLE & LUMINAIRE. PROVIDE NEW ALUM. POLE & LUMINAIRE. CONNECT TO EXISTING WIRING.

9/13/99	REVISED HIGHWAY LIGHT CONNECTION DIAGRAM, ADDED NOTES NO.7, NO.8 & NO.9. REVISED NOTE NO.5
DATE	REVISION

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

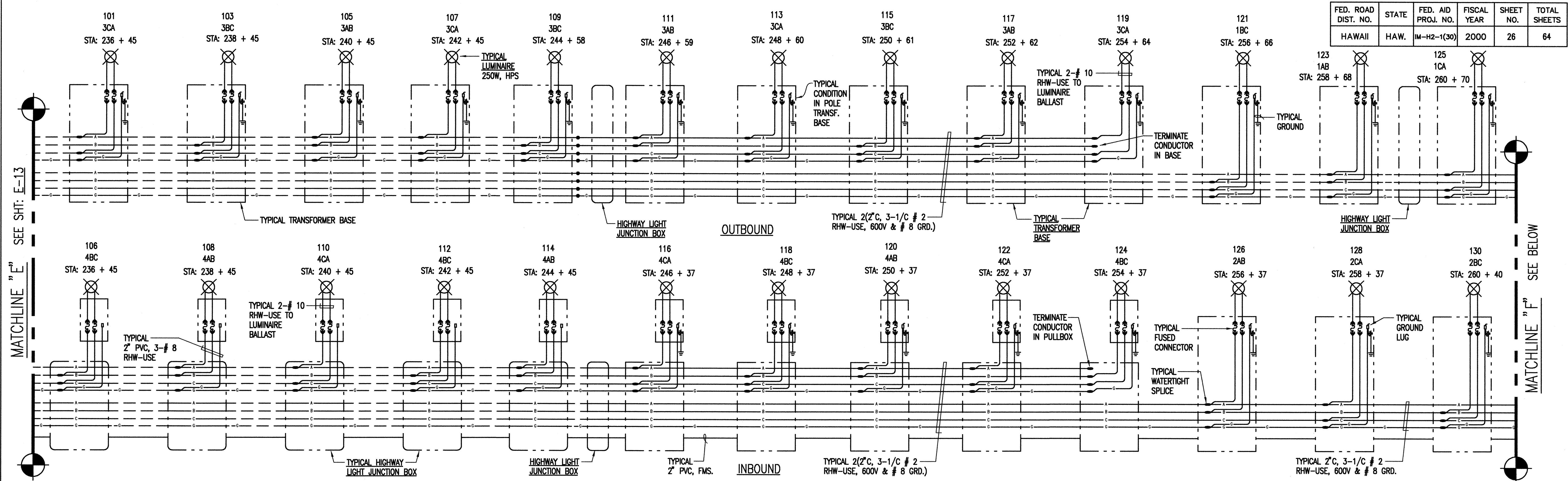
HIGHWAY LIGHT CONNECTION DIAGRAM III (M)

INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIKANA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

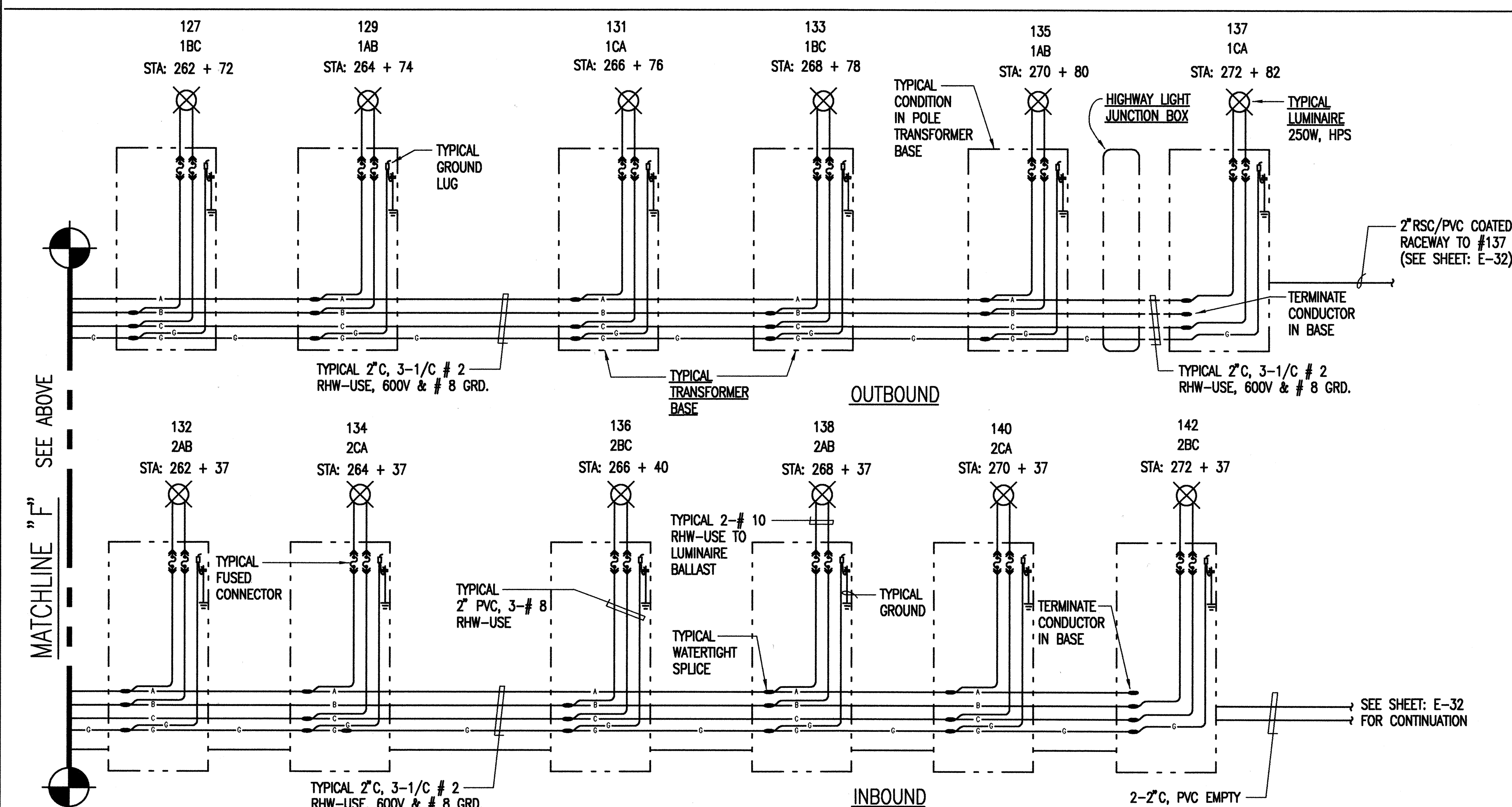
SCALE: AS SHOWN DATE: AUGUST 1999

SHEET No. 13 OF 52 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	26	64



1 HIGHWAY LIGHT CONNECTION DIAGRAM IV (M)
E-14 NOT TO SCALE



E-14

RICHARD Y. OKITA
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No. 1390-E
HAWAII, U.S.A.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

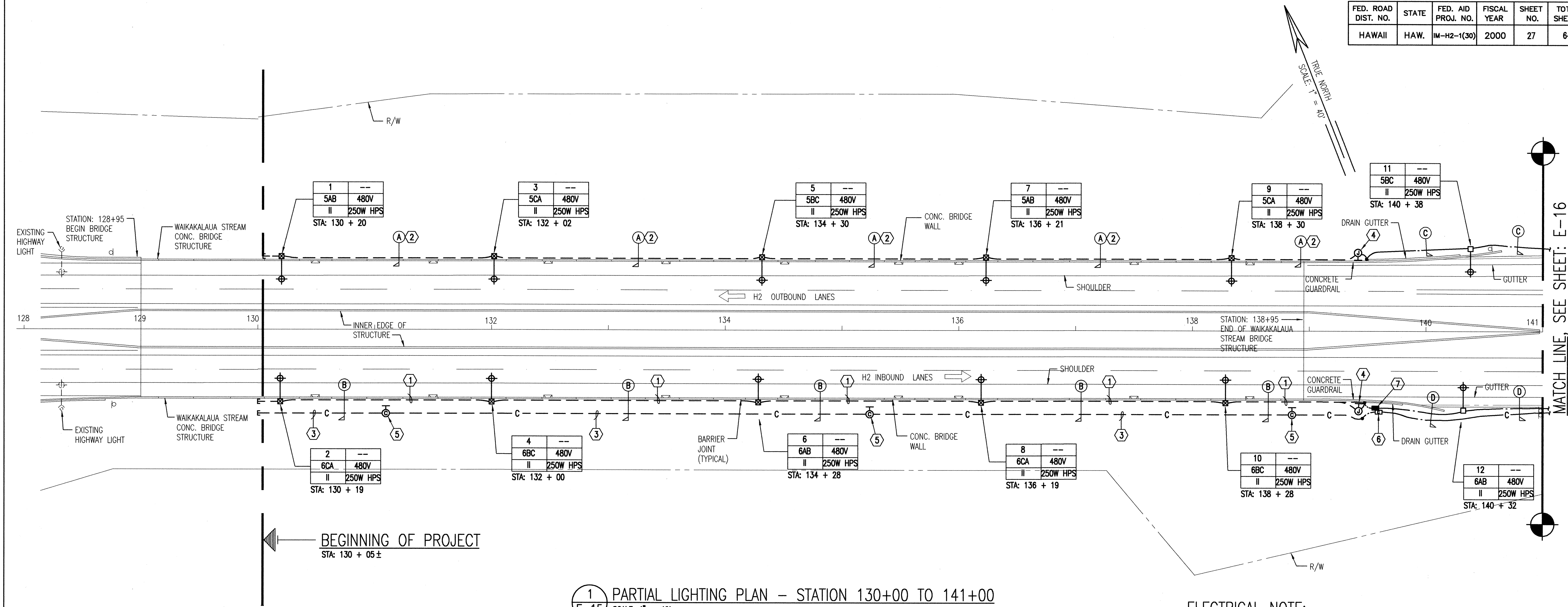
HIGHWAY LIGHT CONNECTION DIAGRAM IV (M)

INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIKAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 14 OF 52 SHEETS

9/13/99	REVISED HIGHWAY LIGHT CONNECTION DIAGRAM
DATE	REVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	27	64



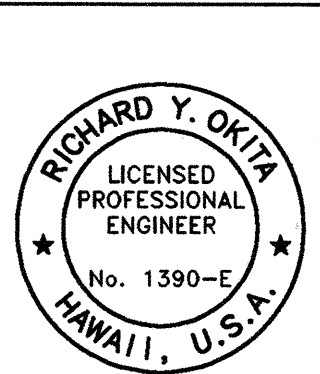
1 PARTIAL LIGHTING PLAN - STATION 130+00 TO 141+00
E-15 SCALE: 1" = 40'

ELECTRICAL NOTE:

- ① 2-2" RSC/PVC COATED HIGHWAY LIGHT/FMS RACEWAYS MOUNTED TO CONCRETE BRIDGE STRUCTURE, SEE DETAIL 2/E-7.
- ② 1-2" RSC/PVC COATED HIGHWAY LIGHT RACEWAY MOUNTED TO CONCRETE BRIDGE STRUCTURE, SEE DETAIL 2/E-7.
- ③ 1-4" COMMUNICATION DUCT, RSC/PVC COATED, WITH 4 COLOR CODED, PRE-ASSEMBLED, PRE-LUBRICATED INNER DUCTS MOUNTED ON CONCRETE BRIDGE STRUCTURE, SEE DETAIL 2/E-7.
- ④ STREET LIGHT/FMS JUNCTION BOX, 12" x 12" x 8"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
- ⑤ COMMUNICATION JUNCTION BOX, 12" x 12" x 8"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
- ⑥ COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- ⑦ HIGHWAY LIGHTING PULLBOX, TYPE "A", SEE DETAIL 1/E-4.

9/13/99	REVISED NOTE DETAIL REFERENCE
DATE	REVISION

GRAPHIC SCALE

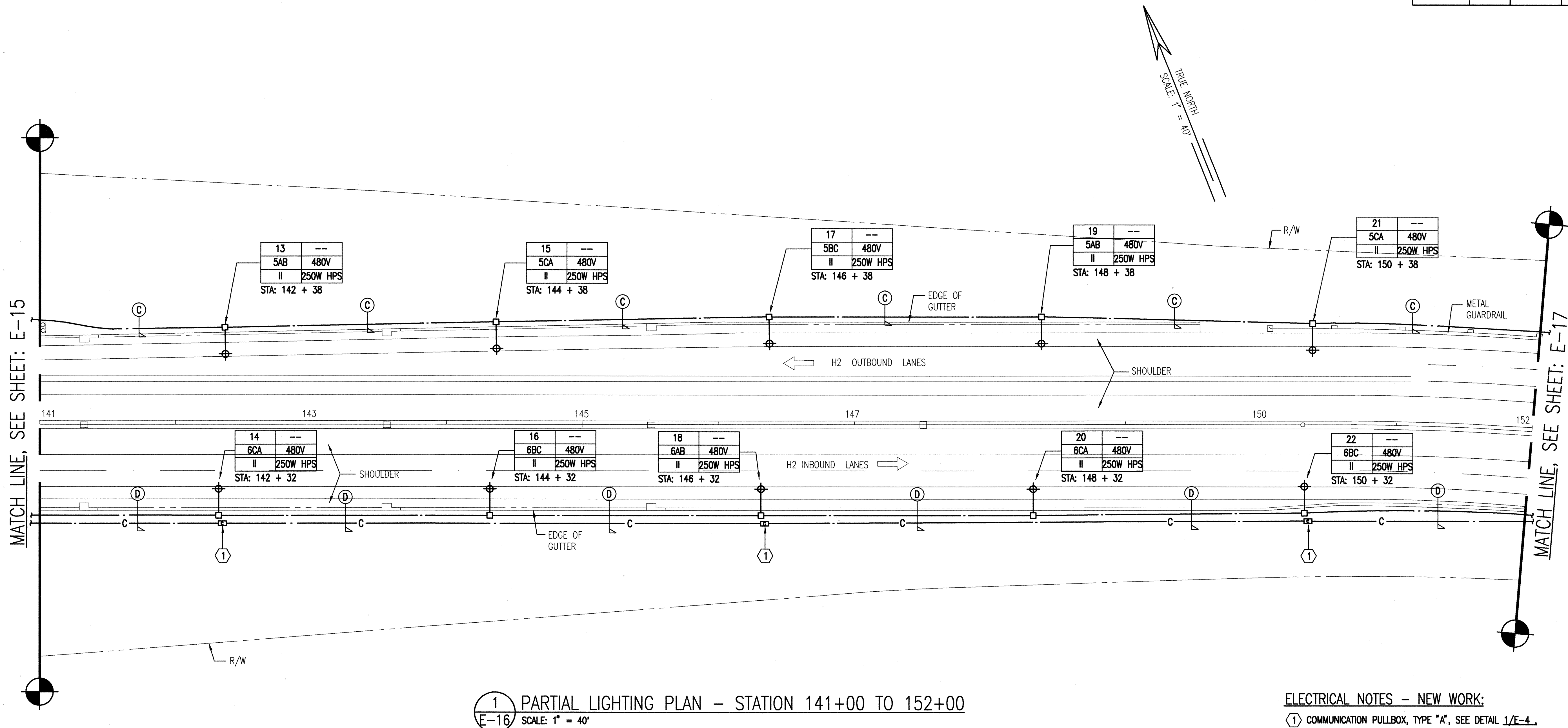


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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PARTIAL LIGHTING PLAN - STATION 130+00 TO STATION 141+00 INTERSTATE ROUTE H-2 INSTALLATION OF HIGHWAY LIGHTING LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE F.A. PROJECT NO. IM-H2-1(30) SCALE: AS SHOWN DATE: AUGUST 1999 SHEET No. 15 OF 52 SHEETS

E-15

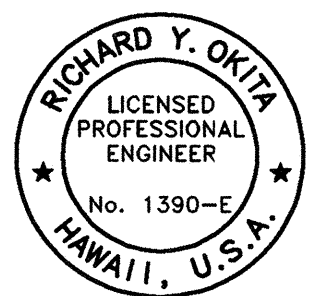
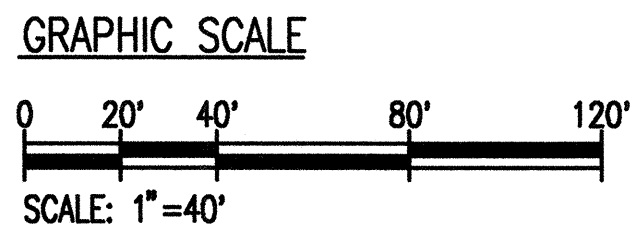
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	28	64



1 PARTIAL LIGHTING PLAN - STATION 141+00 TO 152+00
E-16 SCALE: 1" = 40'

ELECTRICAL NOTES - NEW WORK:
(1) COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.

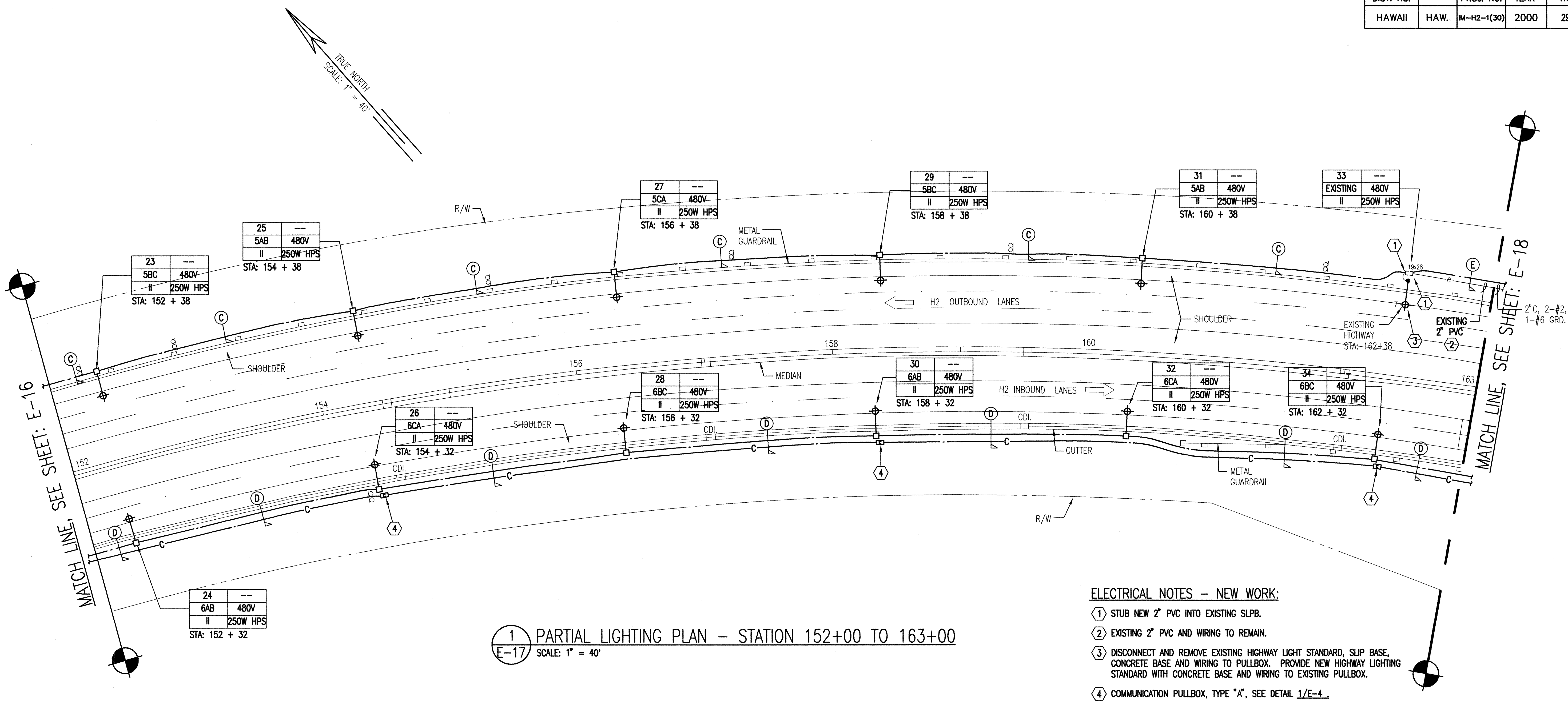
E-16



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN -
STATION 141+00 TO STATION 152+00
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 16 OF 52 SHEETS

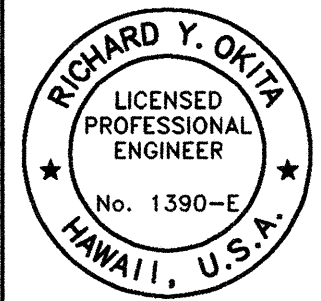
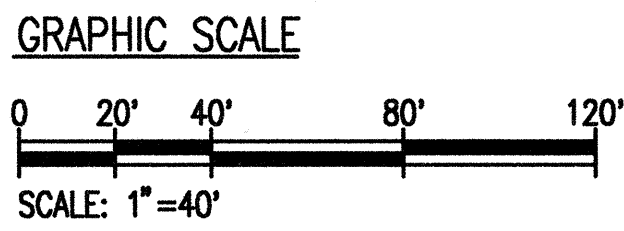
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	29	64



1 PARTIAL LIGHTING PLAN – STATION 152+00 TO 163+00
E-17 SCALE: 1" = 40'

- ELECTRICAL NOTES – NEW WORK:
- 1 STUB NEW 2" PVC INTO EXISTING SLPB.
 - 2 EXISTING 2" PVC AND WIRING TO REMAIN.
 - 3 DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHTING STANDARD WITH CONCRETE BASE AND WIRING TO EXISTING PULLBOX.
 - 4 COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.

9/13/99	REVISED SYMBOL, STANDARD #33, REVISED NOTE NO.3
DATE	REVISION



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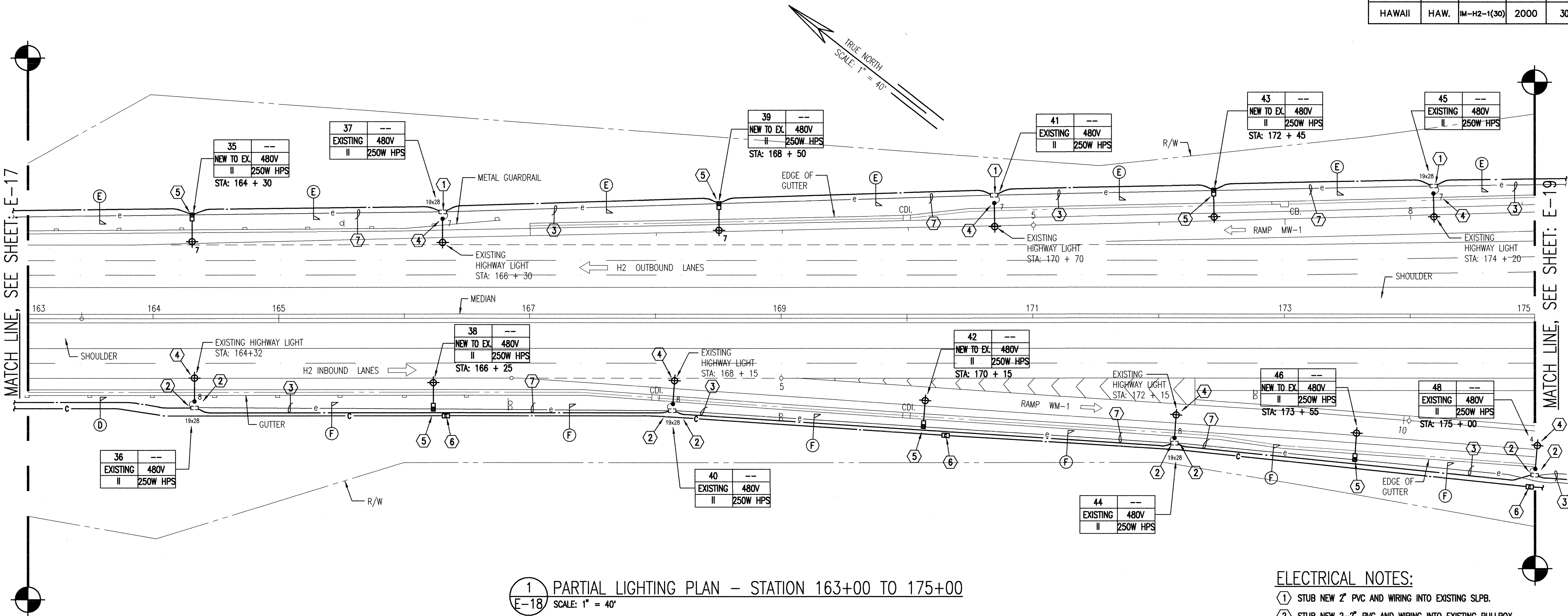
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN –
STATION 152+00 TO STATION 163+00

INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 17 OF 52 SHEETS

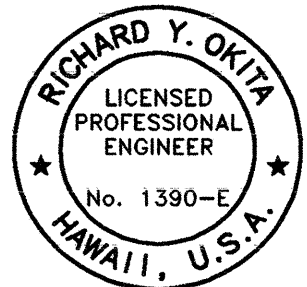
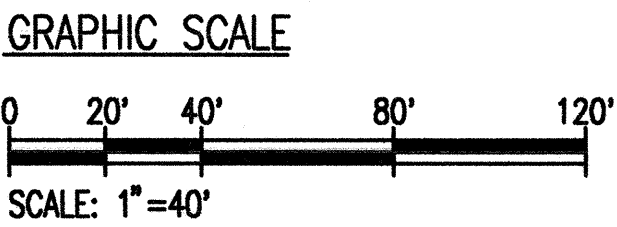
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	30	64



1 PARTIAL LIGHTING PLAN - STATION 163+00 TO 175+00
E-18 SCALE: 1" = 40'

- ELECTRICAL NOTES:
- 1 STUB NEW 2" PVC AND WIRING INTO EXISTING SLPB.
 - 2 STUB NEW 2-2" PVC AND WIRING INTO EXISTING PULLBOX.
 - 3 EXISTING 2" PVC, 2-#2, 1-#6 TO REMAIN.
 - 4 DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHTING STANDARD WITH CONCRETE BASE AND WIRING TO EXISTING PULLBOX.
 - 5 INTERCEPT EXISTING DUCTLINE WITH NEW PULLBOX. PROVIDE NEW HIGHWAY LIGHTING FOUNDATION, POLE, LUMINAIRE AND WIRING.
 - 6 COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
 - 7 DISCONNECT AND REMOVE EXISTING 2-#2, 1-#6. PULL-IN NEW 2-#2 AND 1-#6 GRD. CONNECT TO NEW AND EXISTING CABLES.

9/13/99	REVISED SYMBOL, STANDARD #37, #41, #45, #36, #40, #44, #48. REVISED LIGHT STANDARD REFERENCES, REVISED NOTE REFERENCES, ADDED NOTE NO.7, REVISED NOTE NO.4
DATE	REVISION



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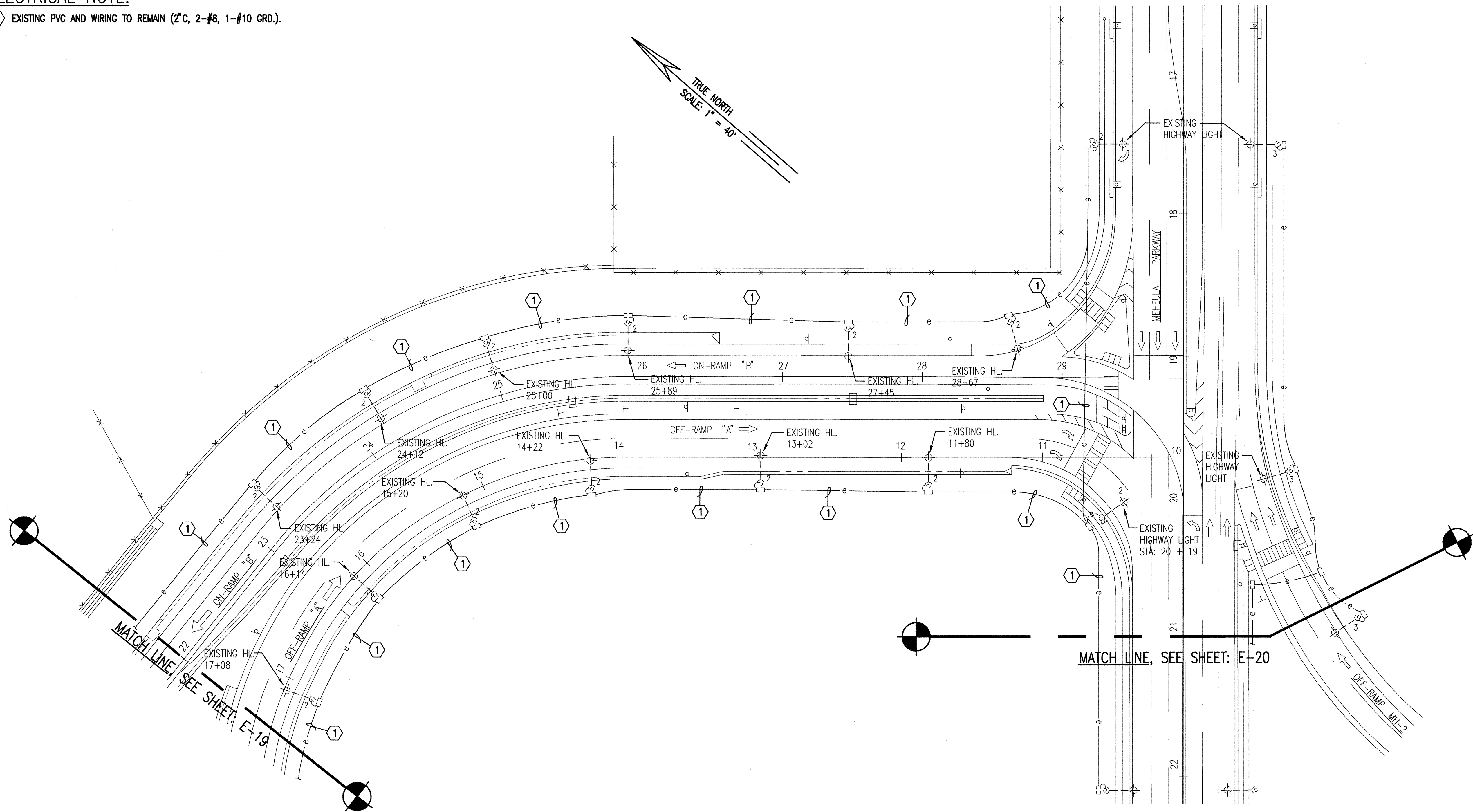
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**PARTIAL LIGHTING PLAN -
STATION 163+00 TO STATION 175+00**
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIKAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 18 OF 52 SHEETS

E-18

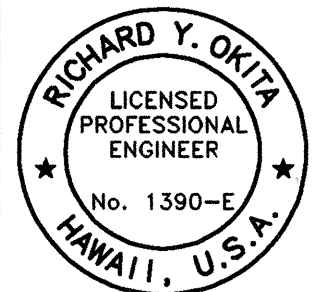
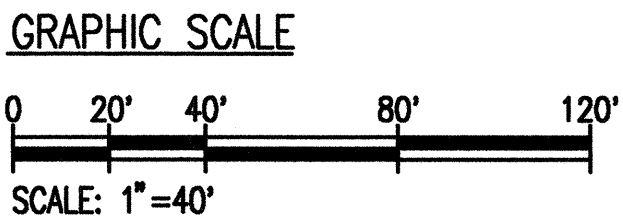
ELECTRICAL NOTE:

① EXISTING PVC AND WIRING TO REMAIN (2" C, 2-#8, 1-#10 GRD.).

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	33	64



1 PARTIAL MILILANI INTERCHANGE LIGHTING PLAN - RAMP "A" AND RAMP "B"
E-21 SCALE: 1" = 40'

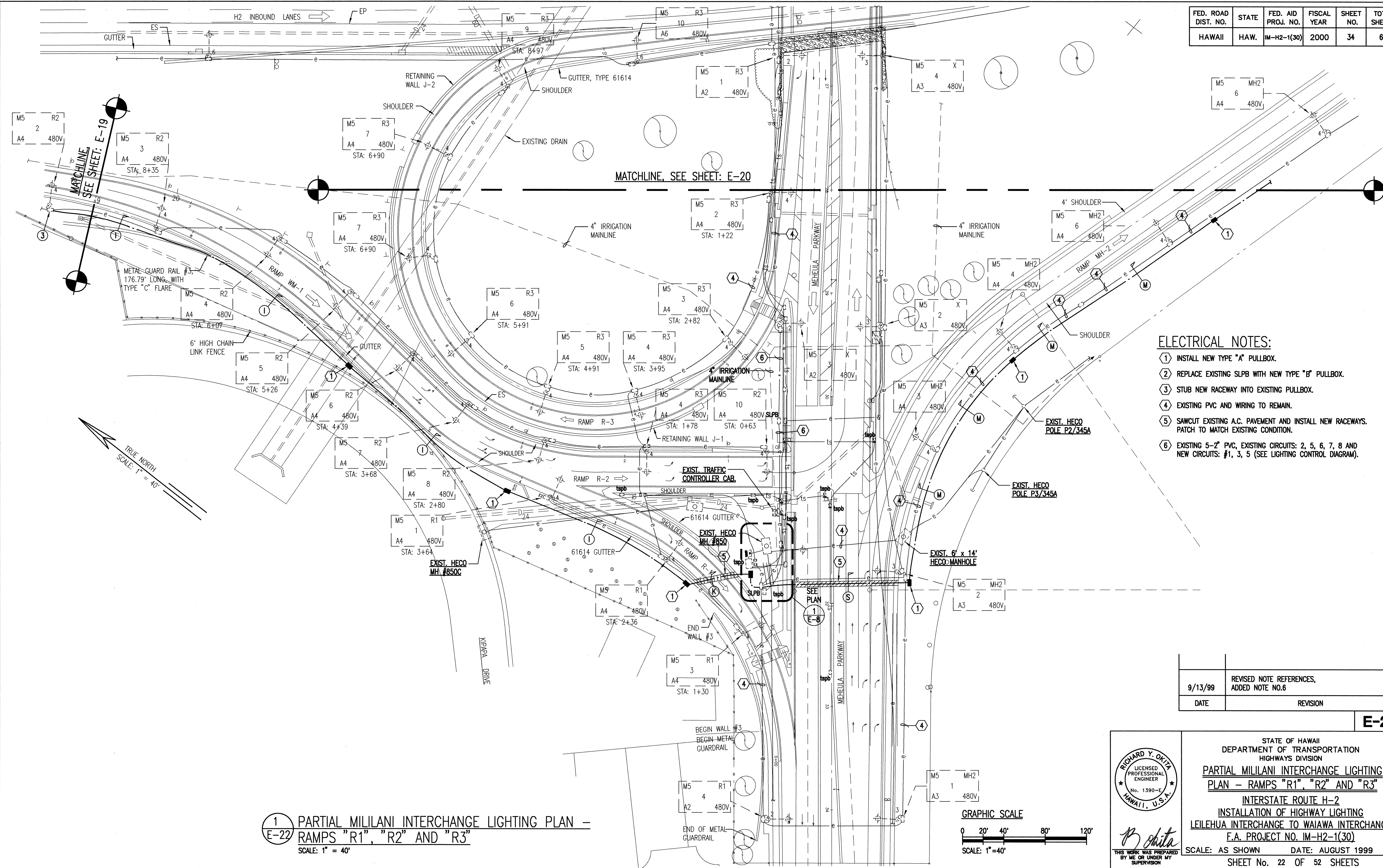


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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
**PARTIAL MILILANI INTERCHANGE LIGHTING
PLAN - RAMP "A" AND RAMP "B"**
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 21 OF 52 SHEETS

E-21

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	34	64



- ELECTRICAL NOTES:**
1. INSTALL NEW TYPE "A" PULLBOX.
 2. REPLACE EXISTING SLPB WITH NEW TYPE "B" PULLBOX.
 3. STUB NEW RACEWAY INTO EXISTING PULLBOX.
 4. EXISTING PVC AND WIRING TO REMAIN.
 5. SAWCUT EXISTING A.C. PAVEMENT AND INSTALL NEW RACEWAYS. PATCH TO MATCH EXISTING CONDITION.
 6. EXISTING 5-2" PVC, EXISTING CIRCUITS: 2, 5, 6, 7, 8 AND NEW CIRCUITS: #1, 3, 5 (SEE LIGHTING CONTROL DIAGRAM).

1
E-22 PARTIAL MILILANI INTERCHANGE LIGHTING PLAN -
RAMPS "R1", "R2" AND "R3"
SCALE: 1" = 40'

9/13/99	REVISED NOTE REFERENCES, ADDED NOTE NO.6
DATE	REVISION

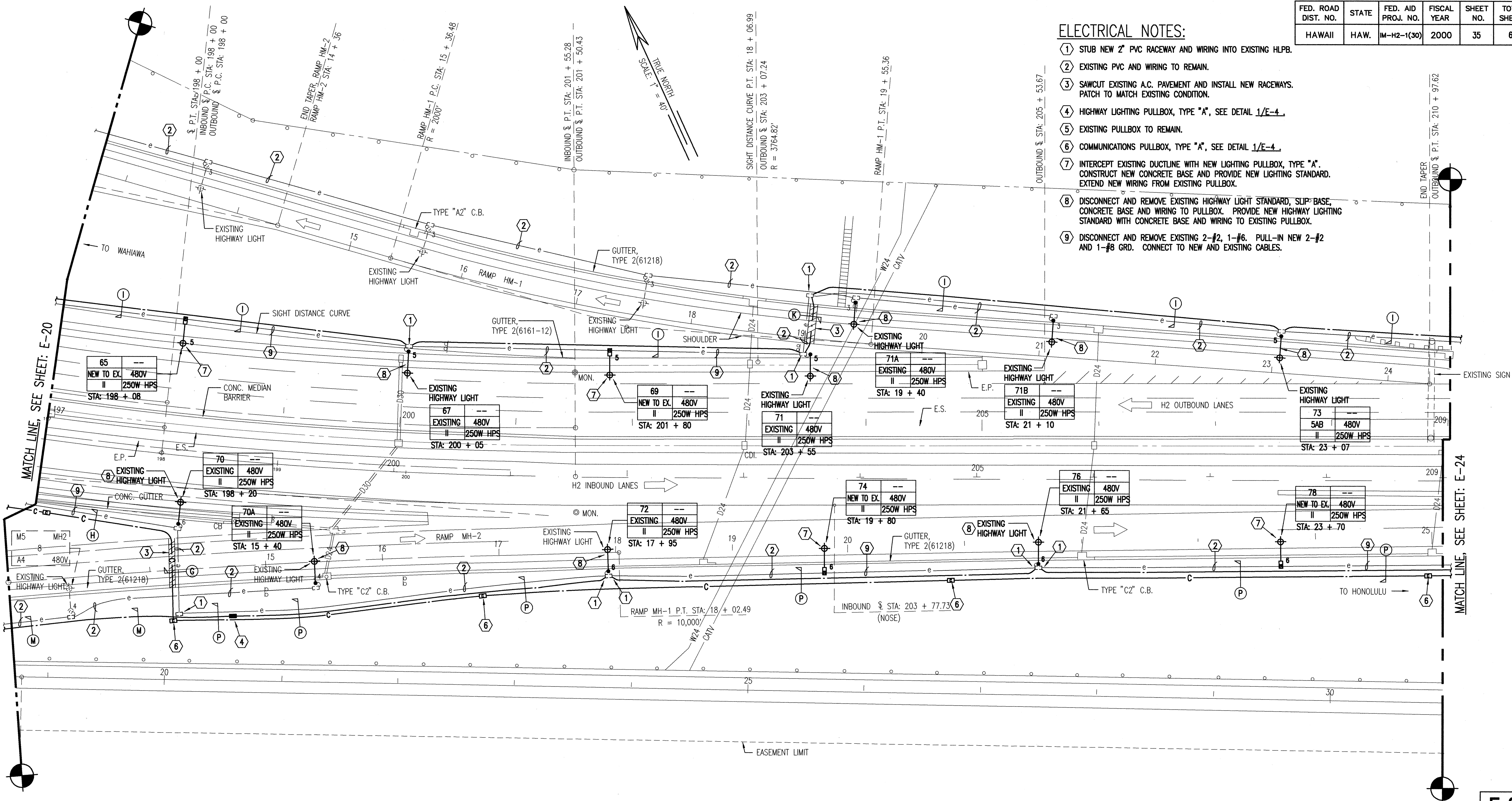
E-22

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL MILILANI INTERCHANGE LIGHTING
PLAN - RAMPS "R1", "R2" AND "R3"
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIKAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 22 OF 52 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	35	64

ELECTRICAL NOTES:

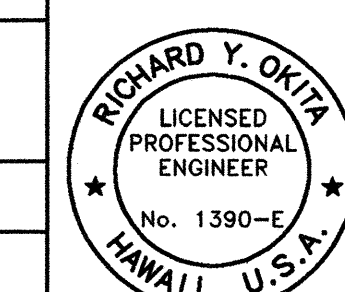
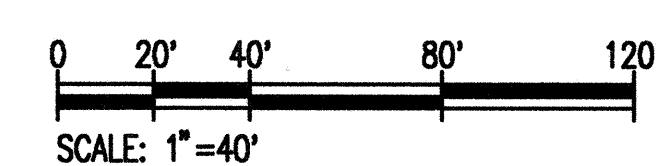
- STUB NEW 2" PVC RACEWAY AND WIRING INTO EXISTING HLPB.
- EXISTING PVC AND WIRING TO REMAIN.
- SAWCUT EXISTING A.C. PAVEMENT AND INSTALL NEW RACEWAYS. PATCH TO MATCH EXISTING CONDITION.
- HIGHWAY LIGHTING PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- EXISTING PULLBOX TO REMAIN.
- COMMUNICATIONS PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- INTERCEPT EXISTING DUCTLINE WITH NEW LIGHTING PULLBOX, TYPE "A". CONSTRUCT NEW CONCRETE BASE AND PROVIDE NEW LIGHTING STANDARD. EXTEND NEW WIRING FROM EXISTING PULLBOX.
- DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHTING STANDARD WITH CONCRETE BASE AND WIRING TO EXISTING PULLBOX.
- DISCONNECT AND REMOVE EXISTING 2-#2, 1-#6. PULL-IN NEW 2-#2 AND 1-#6 GRD. CONNECT TO NEW AND EXISTING CABLES.



1 PARTIAL LIGHTING PLAN - STATION 197+00 TO 209+00
E-23 SCALE: 1" = 40'

9/13/99	REVISED LIGHT STANDARD REFERENCES, REVISED NOTE REFERENCES, ADDED NOTE NO.9, REVISED NOTE NO.8
DATE	REVISION

GRAPHIC SCALE



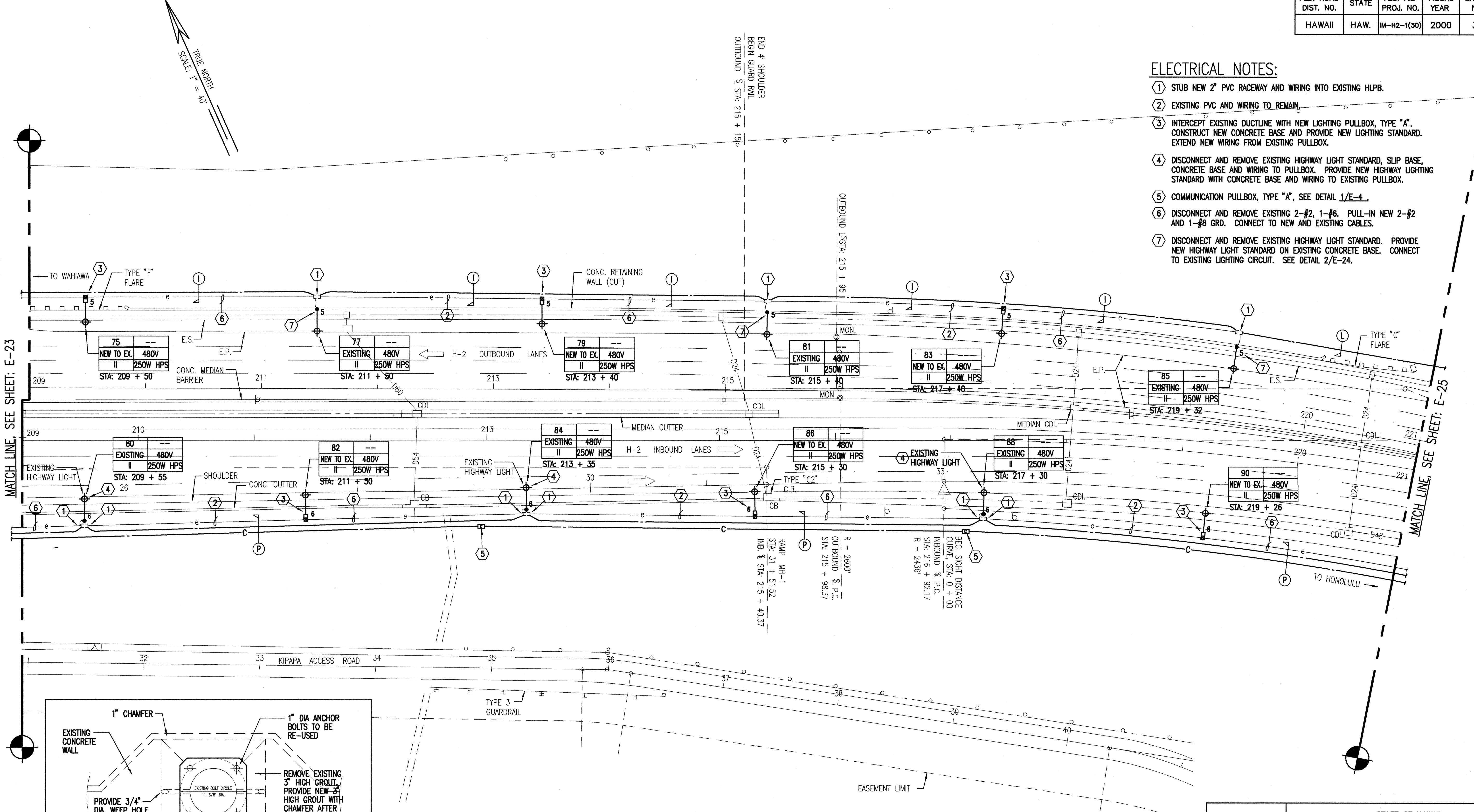
Bohita
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SUPERVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PARTIAL LIGHTING PLAN - STATION 197+00 TO STATION 209+00	
INTERSTATE ROUTE H-2 INSTALLATION OF HIGHWAY LIGHTING LEILEHUA INTERCHANGE TO WAIKANA INTERCHANGE F.A. PROJECT NO. IM-H2-1(30)	
SCALE: AS SHOWN	DATE: AUGUST 1999
SHEET No. 23 OF 52 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	36	64

ELECTRICAL NOTES:

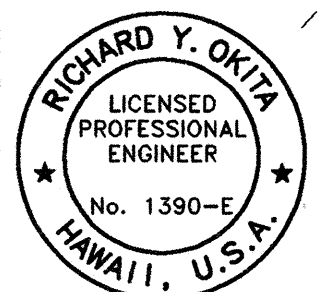
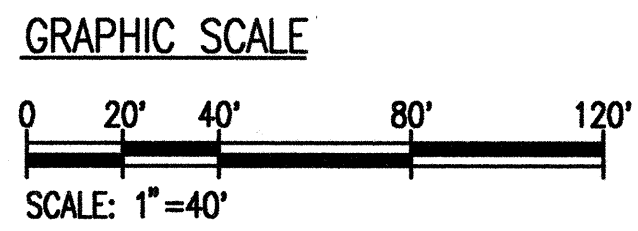
- STUB NEW 2" PVC RACEWAY AND WIRING INTO EXISTING HLPB.
- EXISTING PVC AND WIRING TO REMAIN.
- INTERCEPT EXISTING DUCTLINE WITH NEW LIGHTING PULLBOX, TYPE "A". CONSTRUCT NEW CONCRETE BASE AND PROVIDE NEW LIGHTING STANDARD. EXTEND NEW WIRING FROM EXISTING PULLBOX.
- DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHTING STANDARD WITH CONCRETE BASE AND WIRING TO EXISTING PULLBOX.
- COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- DISCONNECT AND REMOVE EXISTING 2-#2, 1-#6. PULL-IN NEW 2-#2 AND 1-#8 GRD. CONNECT TO NEW AND EXISTING CABLES.
- DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD. PROVIDE NEW HIGHWAY LIGHT STANDARD ON EXISTING CONCRETE BASE. CONNECT TO EXISTING LIGHTING CIRCUIT. SEE DETAIL 2/E-24.



2 DETAIL - POLE # 85
E-24 NOT TO SCALE

1 PARTIAL LIGHTING PLAN - STATION 209+00 TO 221+00
E-24 SCALE: 1" = 40'

DATE	REVISION
9/13/99	REVISED LIGHT STANDARD REFERENCES, REVISED NOTE REFERENCES, ADDED DETAIL 2/E-24, ADDED NOTES NO.6 & NOTE NO.7, REVISED NOTE NO.4

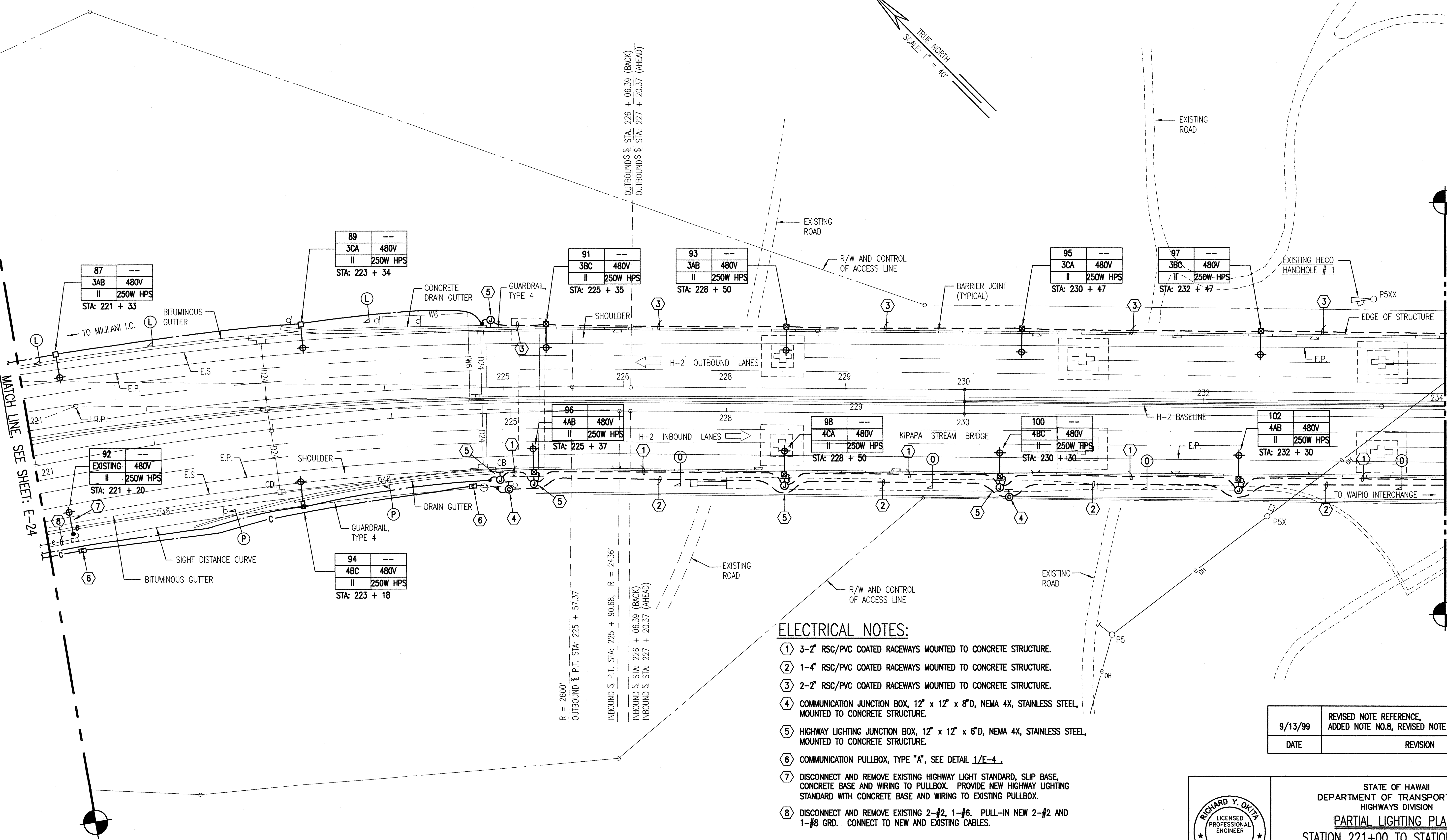


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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN -
STATION 209+00 TO STATION 221+00
INTERSTATE ROUTE H-2
LEILEHUA INTERCHANGE TO WAIHAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN
DATE: AUGUST 1999
SHEET No. 24 OF 52 SHEETS

ADD . 36

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	37	64



ELECTRICAL NOTES:

- 3-2" RSC/PVC COATED RACEWAYS MOUNTED TO CONCRETE STRUCTURE.
- 1-4" RSC/PVC COATED RACEWAYS MOUNTED TO CONCRETE STRUCTURE.
- 2-2" RSC/PVC COATED RACEWAYS MOUNTED TO CONCRETE STRUCTURE.
- COMMUNICATION JUNCTION BOX, 12" x 12" x 8"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
- HIGHWAY LIGHTING JUNCTION BOX, 12" x 12" x 6"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
- COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHTING STANDARD WITH CONCRETE BASE AND WIRING TO EXISTING PULLBOX.
- DISCONNECT AND REMOVE EXISTING 2-#2, 1-#6. PULL-IN NEW 2-#2 AND 1-#8 GRD. CONNECT TO NEW AND EXISTING CABLES.

9/13/99	REVISED NOTE REFERENCE, ADDED NOTE NO.8, REVISED NOTE NO.7
DATE	REVISION

E-25

RICHARD Y. OKITA
LICENSED PROFESSIONAL ENGINEER
No. 1390-E
HAWAII, U.S.A.

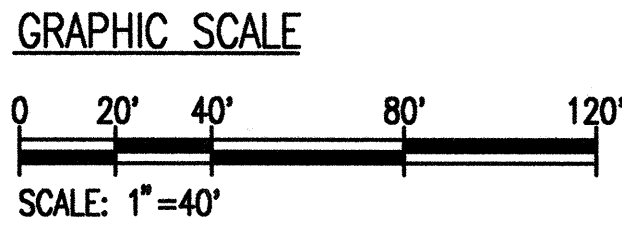
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN -
STATION 221+00 TO STATION 234+00

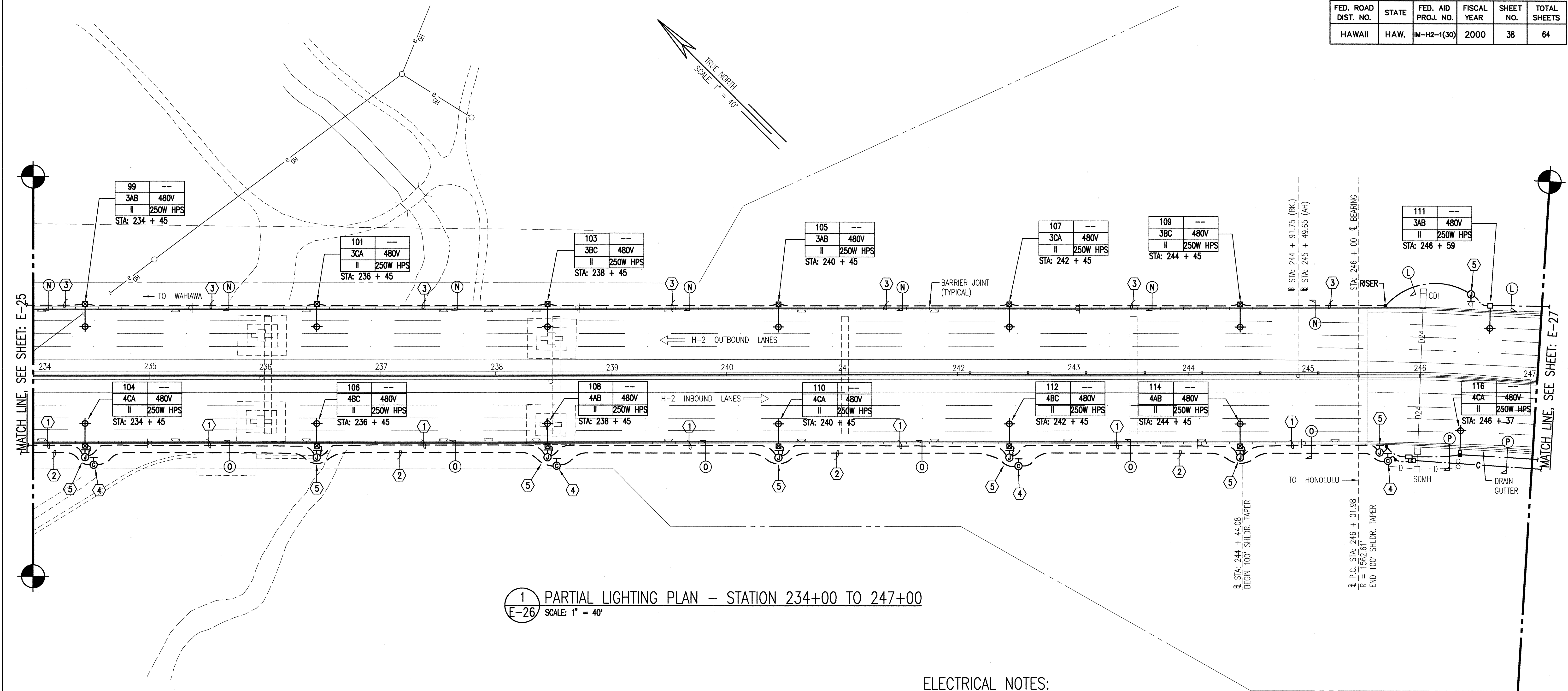
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 25 OF 52 SHEETS

1 PARTIAL LIGHTING PLAN - STATION 221+00 TO 234+00
E-25 SCALE: 1" = 40'



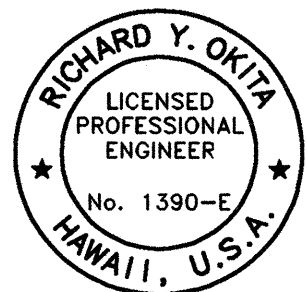
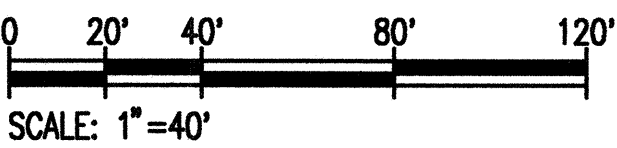
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	38	64



ELECTRICAL NOTES:

- ① 3-2" RSC/PVC COATED RACEWAYS MOUNTED TO CONCRETE STRUCTURE.
- ② 1-4" RSC/PVC COATED RACEWAY MOUNTED TO CONCRETE STRUCTURE.
- ③ 2-2" RSC/PVC COATED RACEWAYS MOUNTED TO CONCRETE STRUCTURE.
- ④ COMMUNICATION JUNCTION BOX, 12" x 12" x 8"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
- ⑤ HIGHWAY LIGHTING JUNCTION BOX, 12" x 12" x 6"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.

GRAPHIC SCALE



Richard Y. Okita
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HIGHWAYS DIVISION

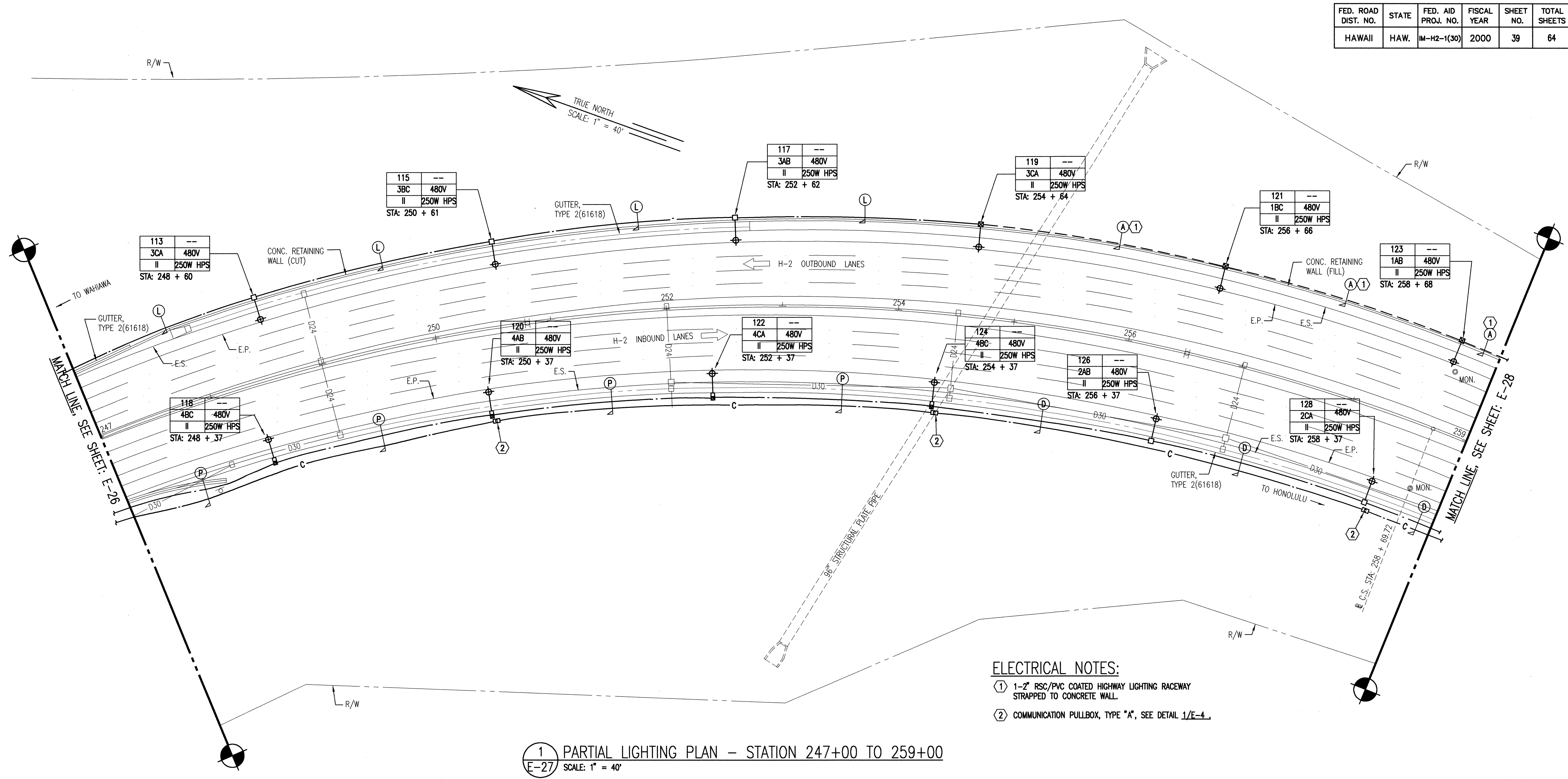
PARTIAL LIGHTING PLAN -
STATION 234+00 TO STATION 247+00

INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIHAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

SCALE: AS SHOWN DATE: AUGUST 1999

SHEET No. 26 OF 52 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	39	64



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

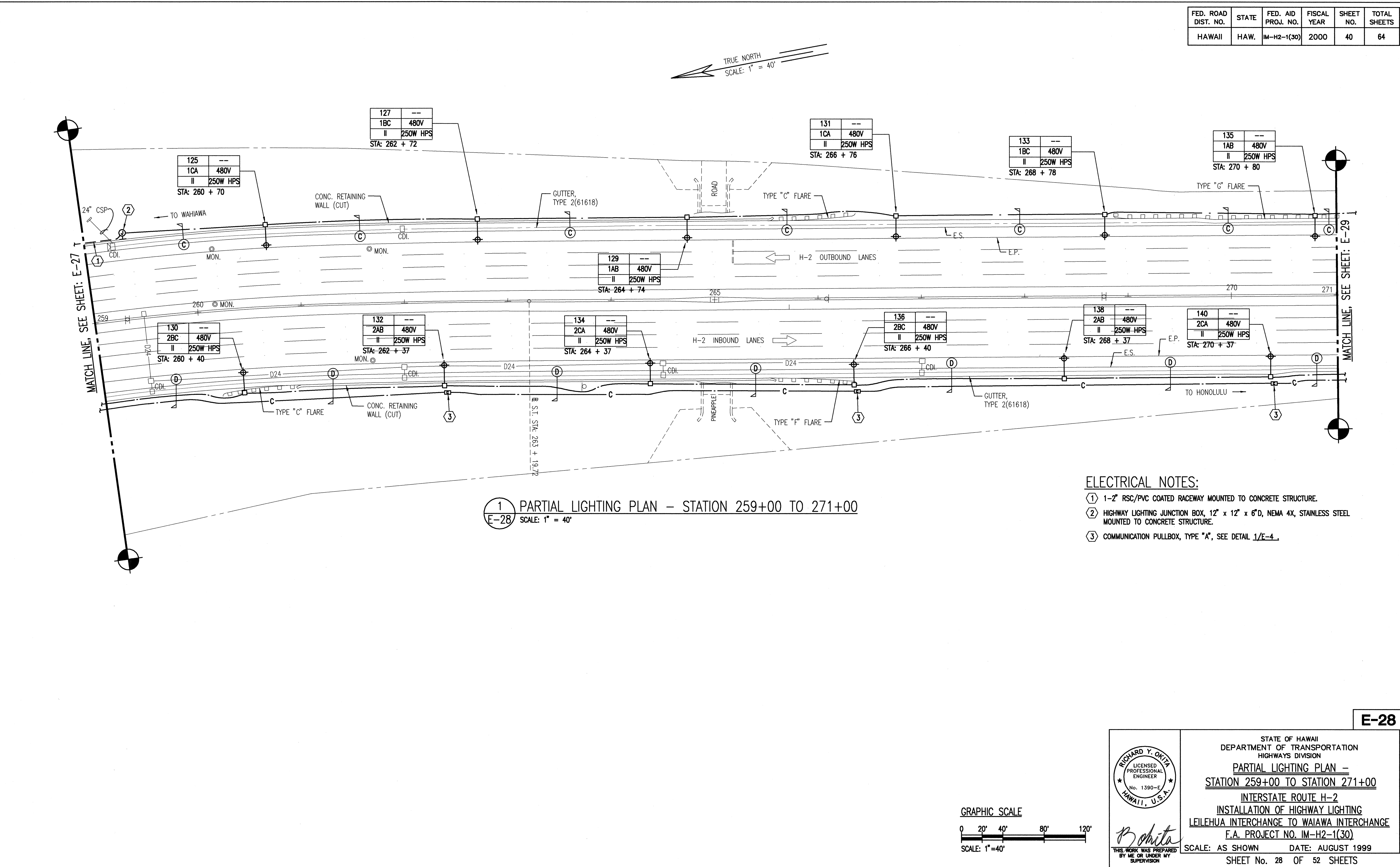
PARTIAL LIGHTING PLAN -
STATION 247+00 TO STATION 259+00

INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIHANA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

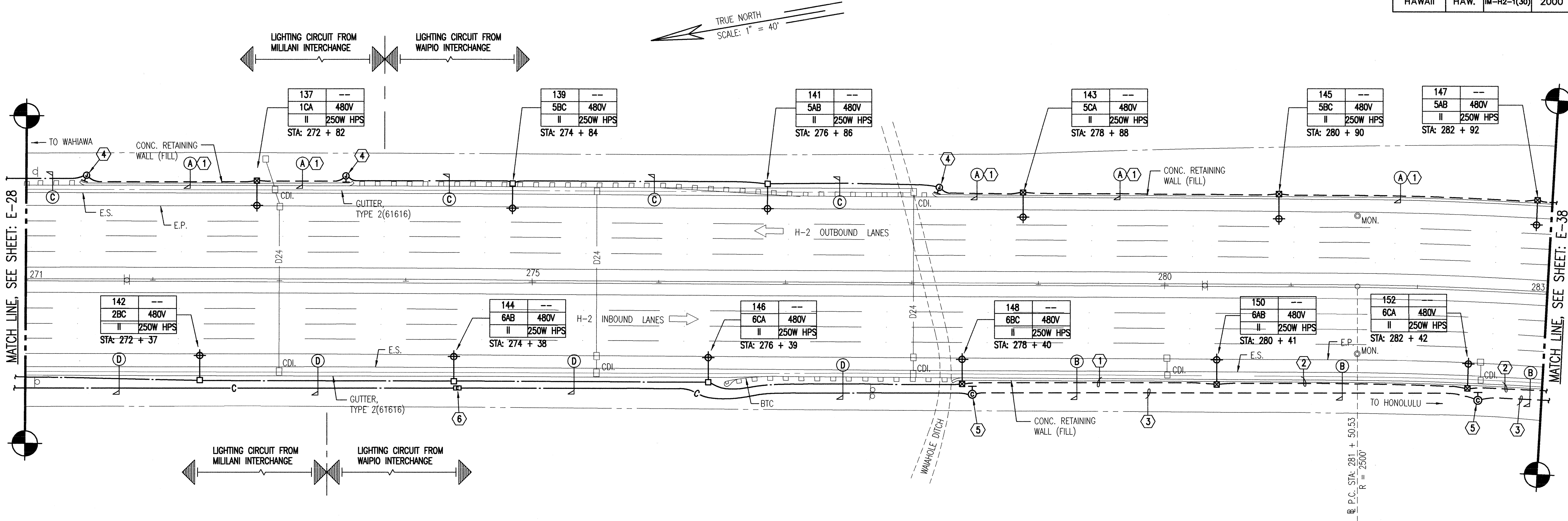
SCALE: AS SHOWN DATE: AUGUST 1999

SHEET No. 27 OF 52 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	40	64



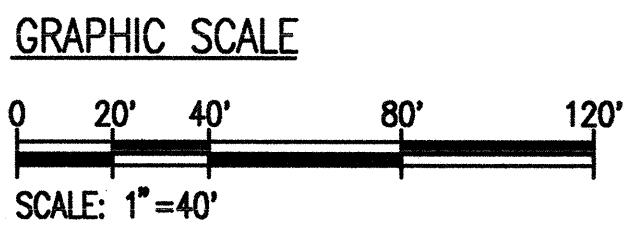
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	41	64



1
E-29 PARTIAL LIGHTING PLAN - STATION 271+00 TO 283+00
SCALE: 1" = 40'

- ELECTRICAL NOTES:
- ① 1-2" RSC/PVC COATED HIGHWAY LIGHTING RACEWAY MOUNTED TO CONCRETE WALL.
 - ② 2-2" RSC/PVC COATED HIGHWAY LIGHTING RACEWAYS MOUNTED TO CONCRETE WALL.
 - ③ 1-4" RSC/PVC COATED COMMUNICATION RACEWAY MOUNTED TO CONCRETE RETAINING WALL.
 - ④ HIGHWAY LIGHTING JUNCTION BOX, 12" x 12" x 6"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
 - ⑤ COMMUNICATION JUNCTION BOX, 12" x 12" x 8"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
 - ⑥ COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.

9/13/99	ADDED LIGHTING CIRCUIT DESIGNATION
DATE	REVISION



Richard Y. Okita
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN -
STATION 271+00 TO STATION 283+00

INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

SCALE: AS SHOWN DATE: AUGUST 1999

SHEET No. 29 OF 52 SHEETS

E-29