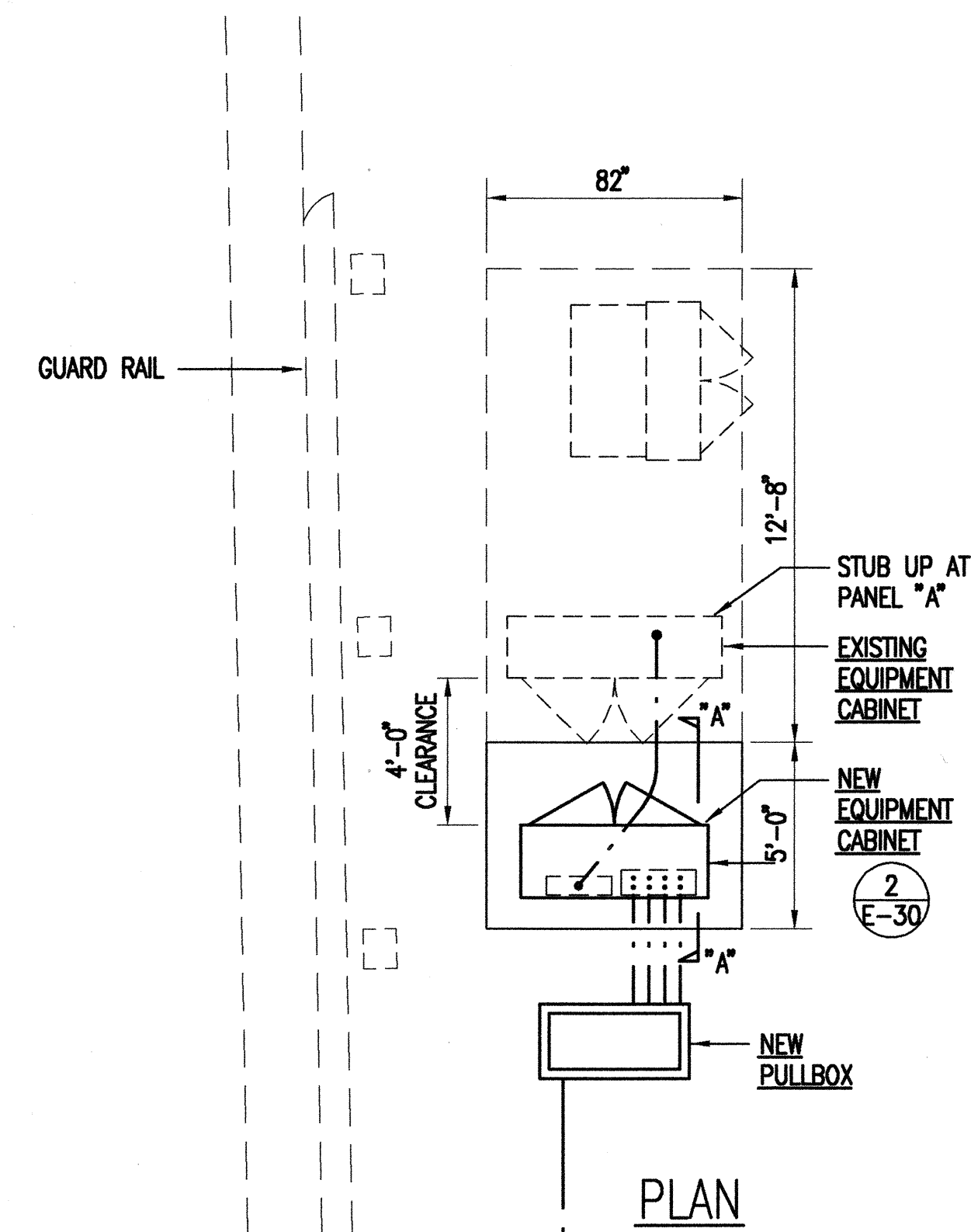
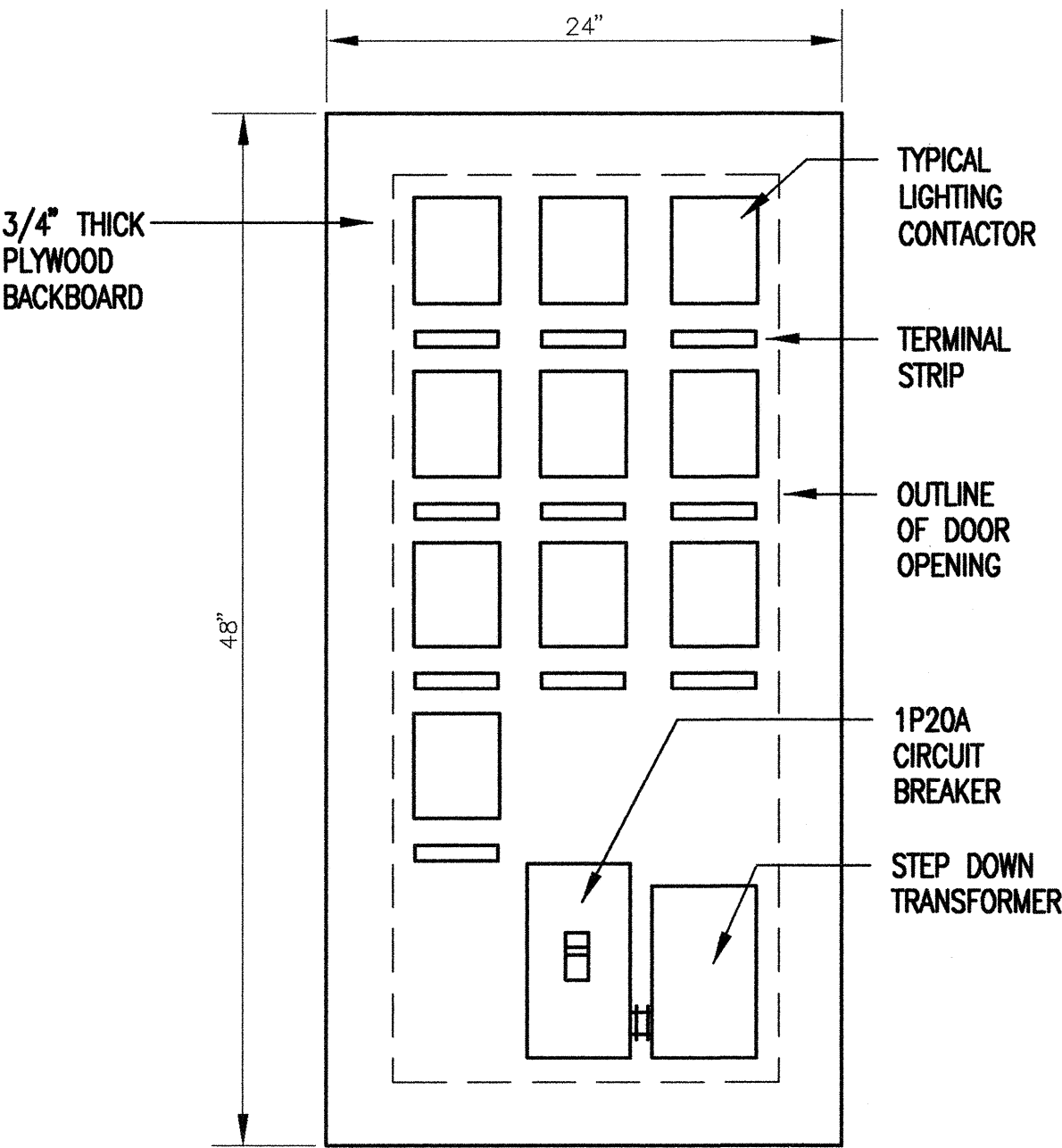
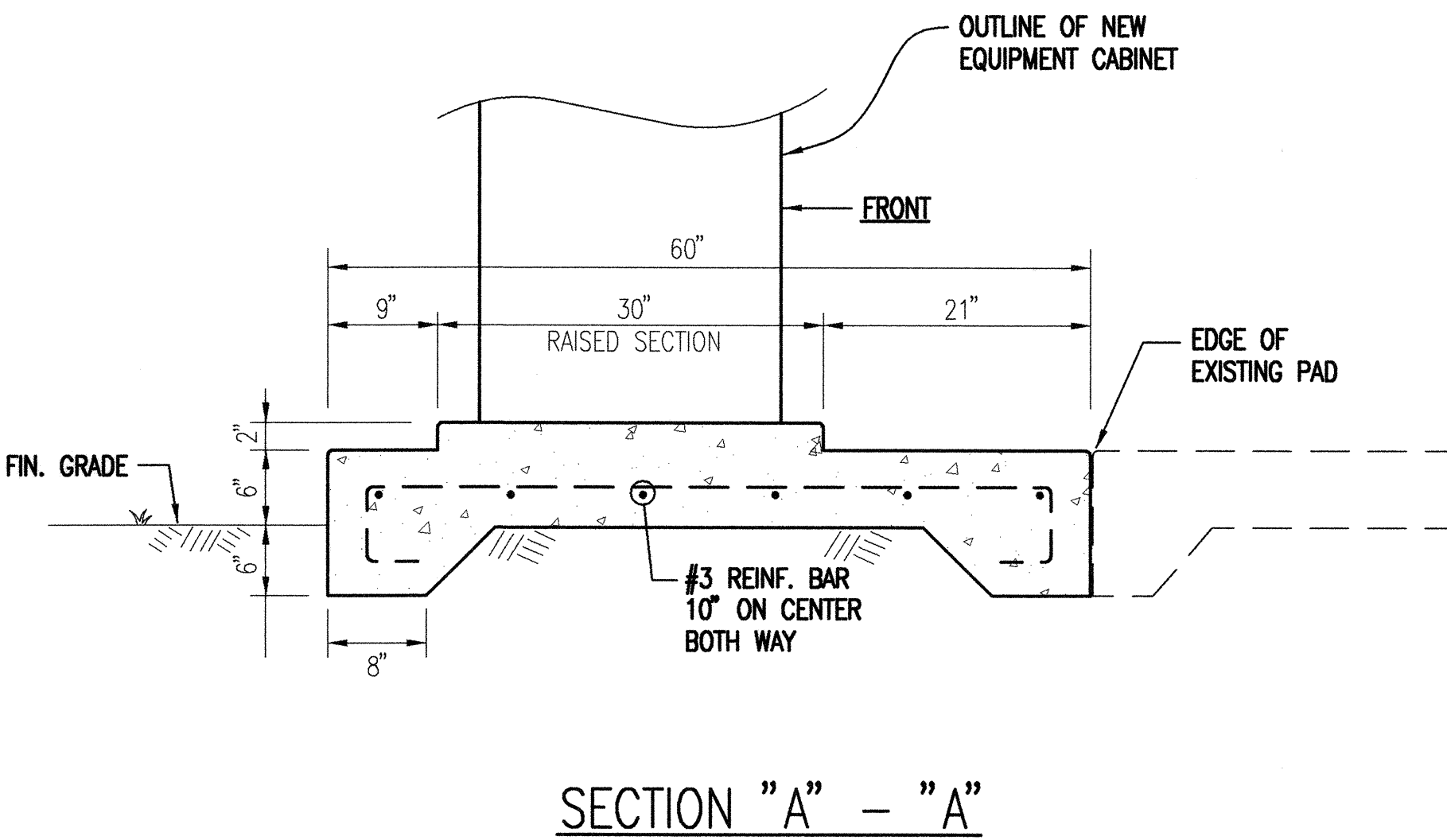


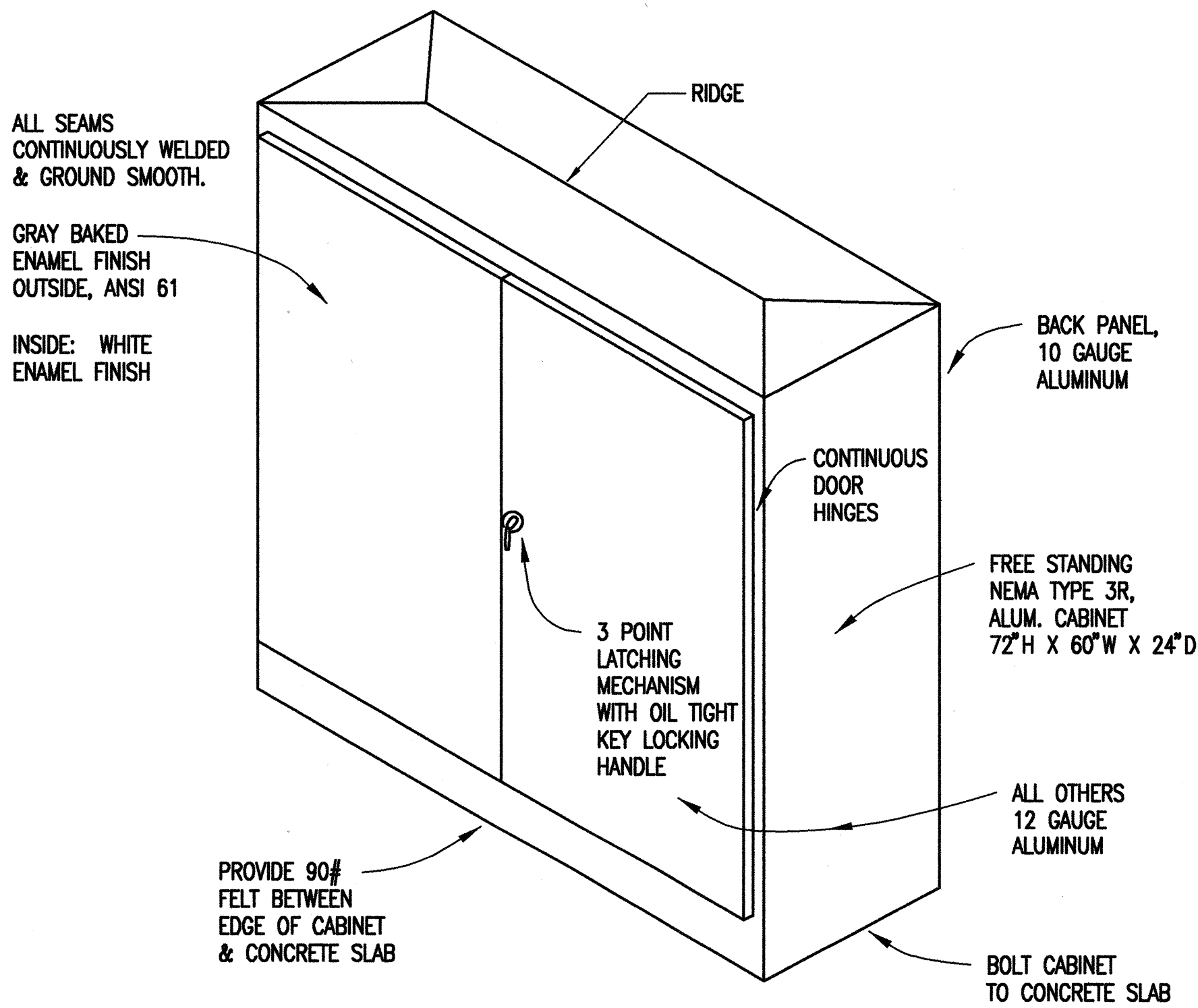
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	42	64



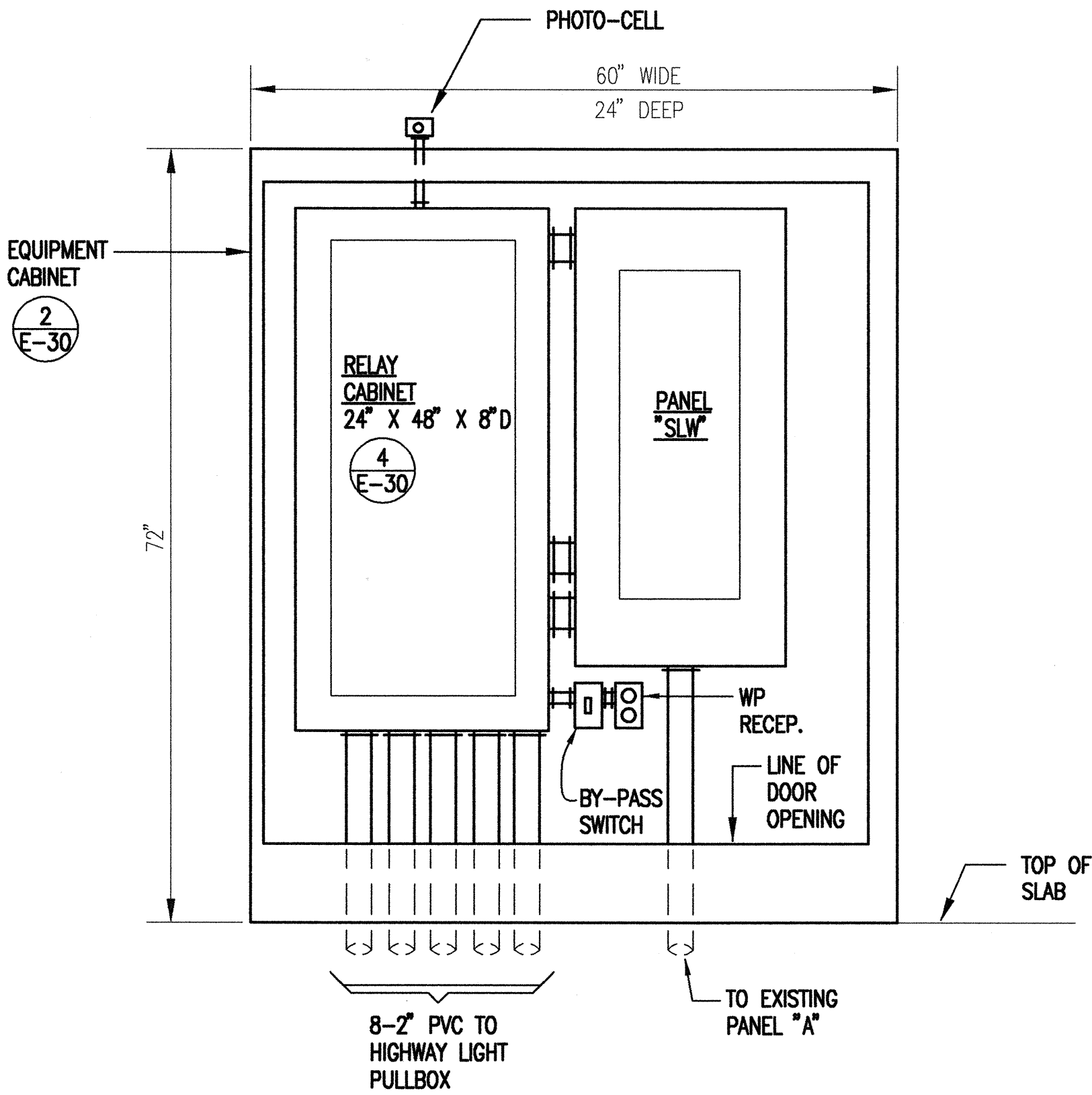
1 PLAN - WAIPIO INTERCHANGE - EQUIPMENT CABINET
E-30 SCALE: 1/4" = 1'-0"



4 RELAY CABINET - INTERIOR ELEVATION
E-30 NOT TO SCALE

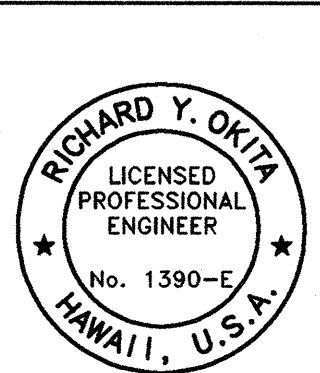


2 ELEVATION - EQUIPMENT CABINET
E-30 NOT TO SCALE



3 ELEVATION - EQUIPMENT CABINET
E-30 NOT TO SCALE

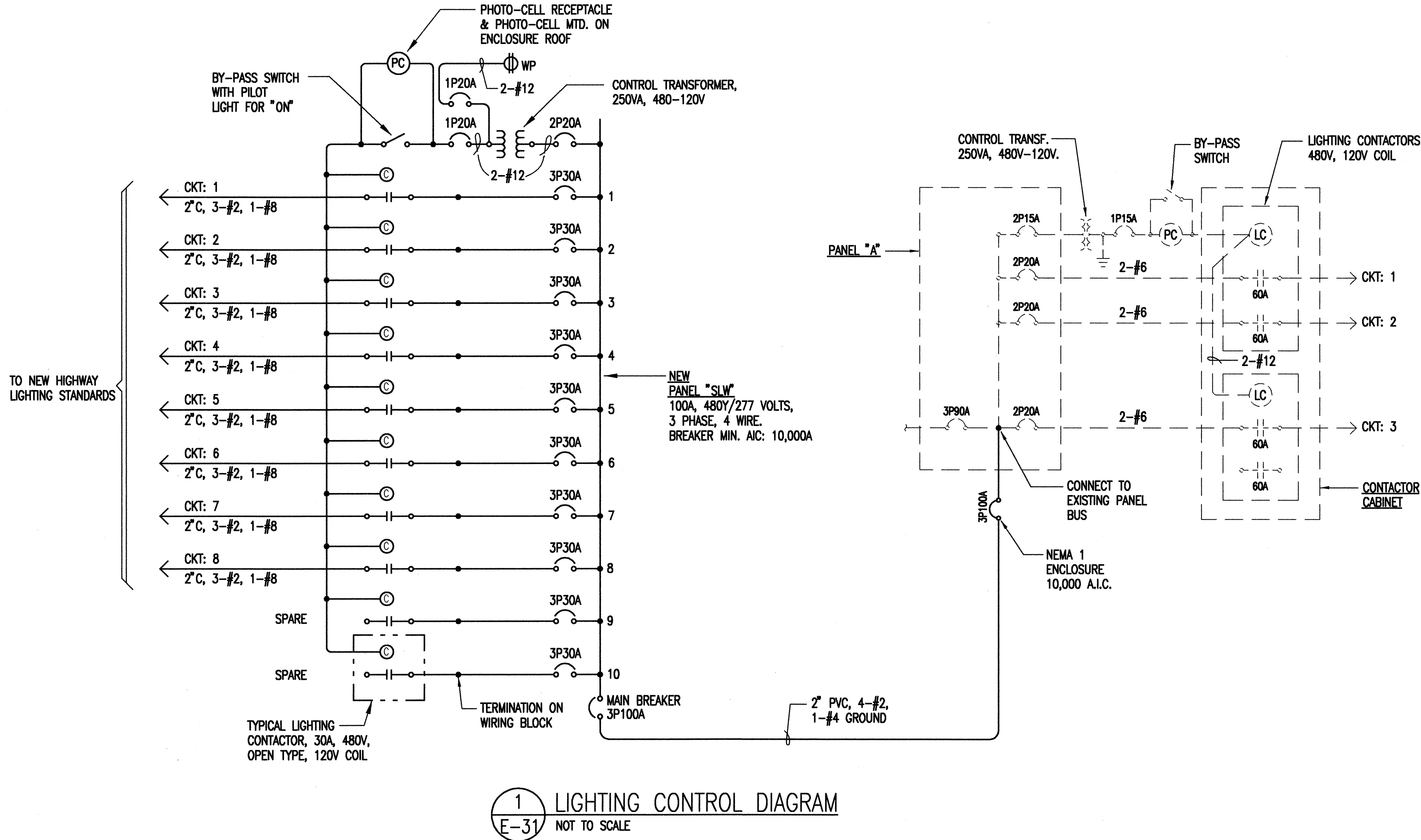
9/13/99	REVISED PLAN, 1/E-30. ADDED RECEPT., 3/E-30.
DATE	REVISION



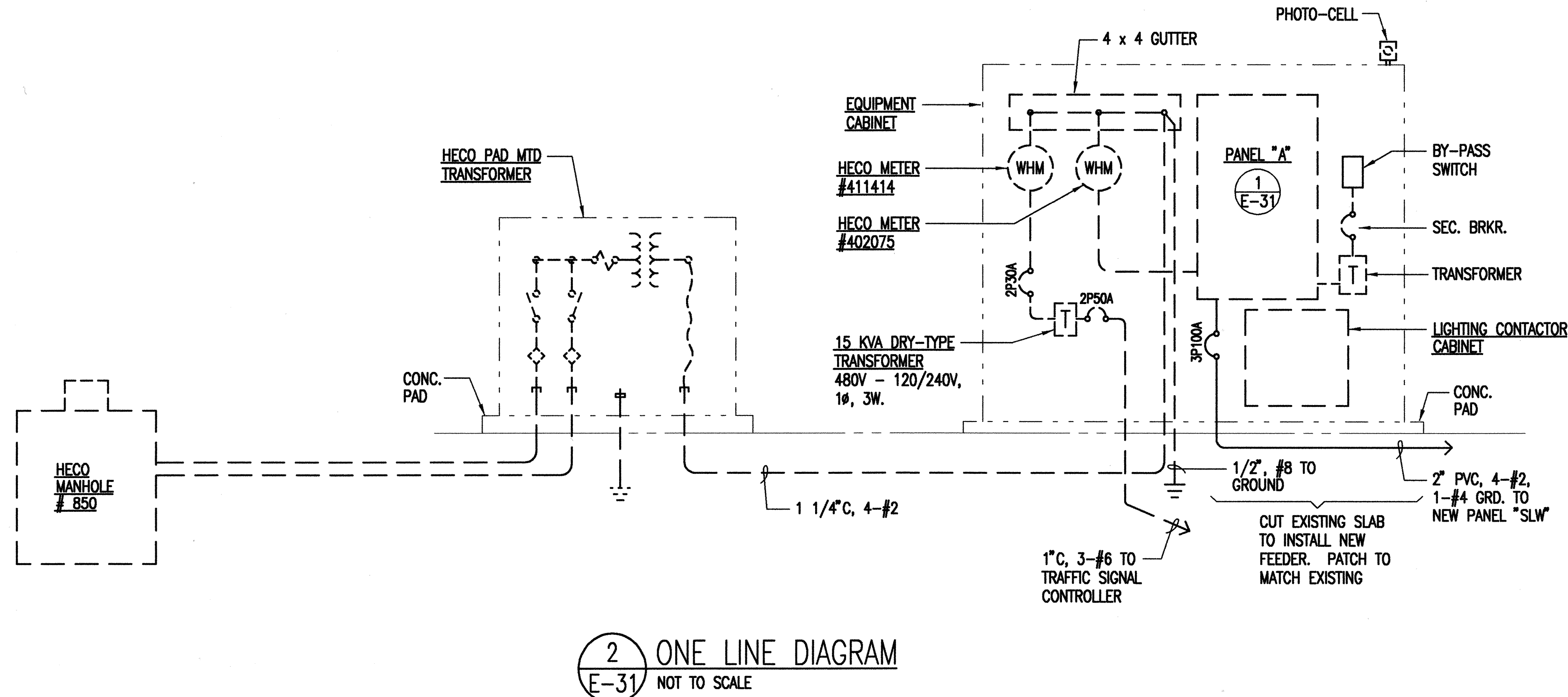
THIS WORK WAS PREPARED
BY ME OR UNDER MY
SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
WAIPIO INTERCHANGE
SERVICE EQUIPMENT DETAILS
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. 30 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	43	64



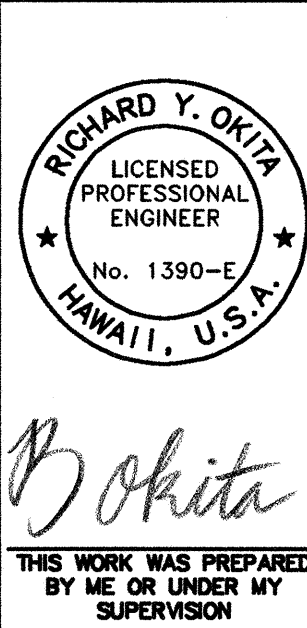
1 LIGHTING CONTROL DIAGRAM
E-31 NOT TO SCALE



2 ONE LINE DIAGRAM
E-31 NOT TO SCALE

- NOTES:
- DASHED LINES (---) INDICATE EXISTING CONDITION.
 - SOLID LINES (—) INDICATE NEW WORK.

DATE	REVISION
9/13/99	REVISED LIGHTING CONTROL DIAGRAM, 1/E-31, REVISED ONE LINE DIAGRAM, 2/E-31



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

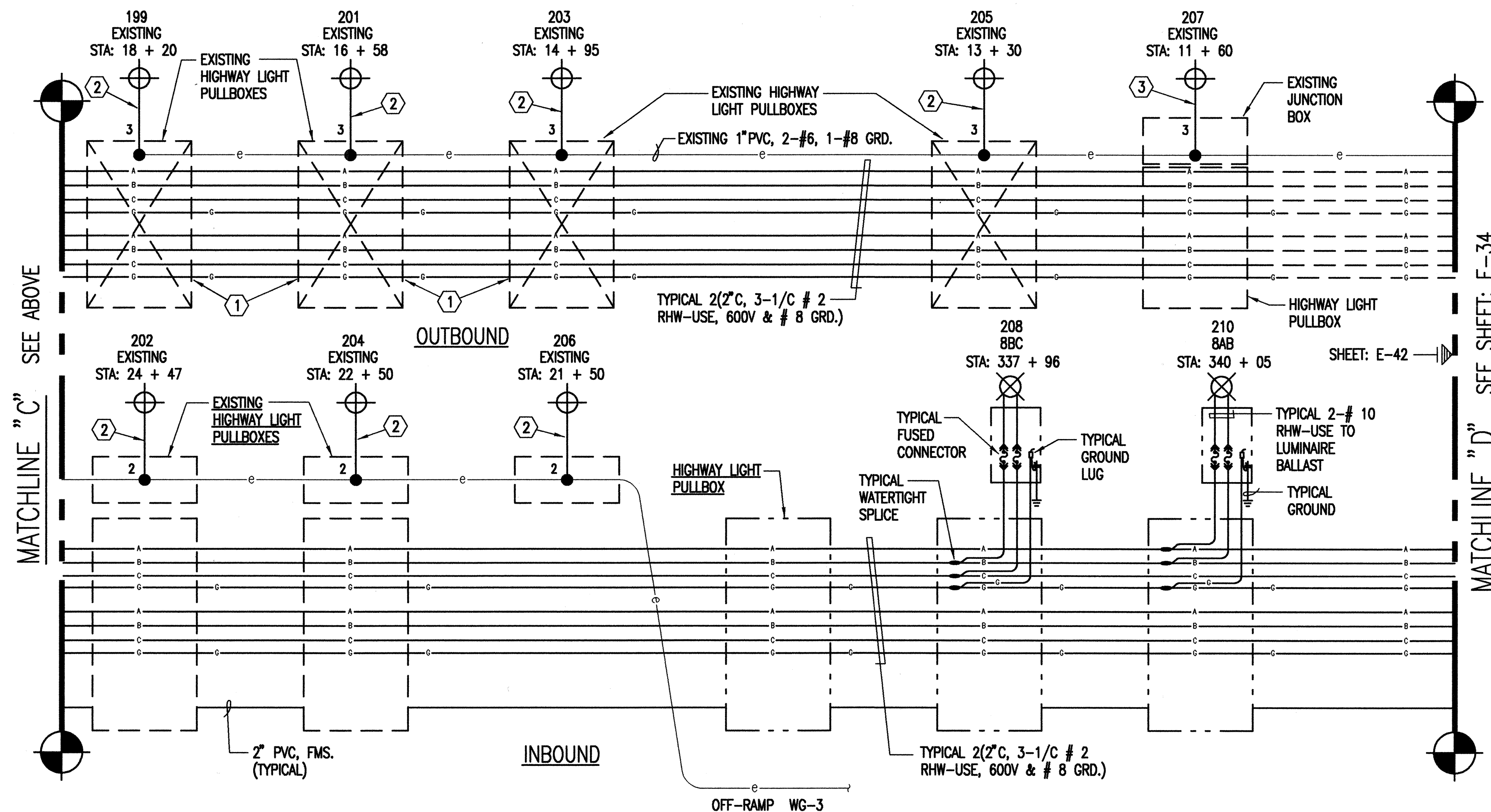
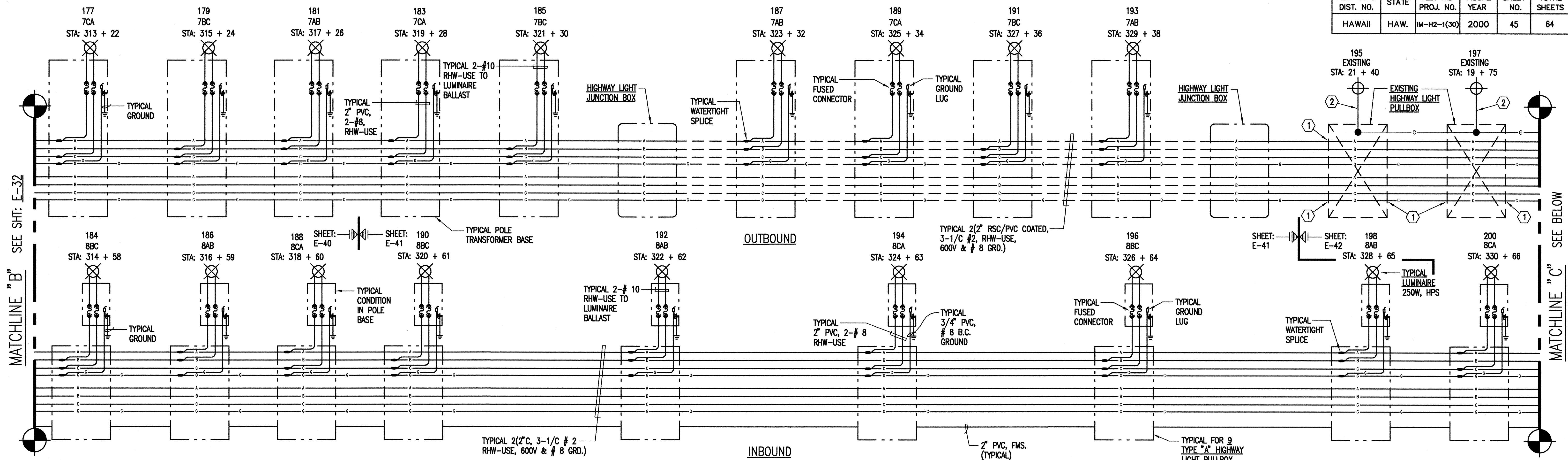
LIGHTING CONTROL AND ONE LINE DIAGRAM

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. 31 OF 52 SHEETS

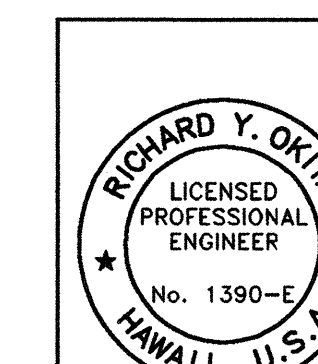
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	45	64



1 HIGHWAY LIGHT CONNECTION DIAGRAM II (W)
E-33 NOT TO SCALE

ELECTRICAL NOTES:

- STUB NEW HIGHWAY LIGHT DUCTS INTO EXISTING PULLBOX.
- DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHT STANDARD WITH NEW CONCRETE BASE AND NEW WIRING TO EXISTING PULLBOX.
- DISCONNECT AND REMOVE EXISTING STEEL POLE AND LUMINAIRE. PROVIDE NEW ALUM. POLE LIGHT STANDARD AND LUMINAIRE. INSTALL ON EXISTING CONCRETE BASE. CONNECT NEW WIRING TO EXISTING.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

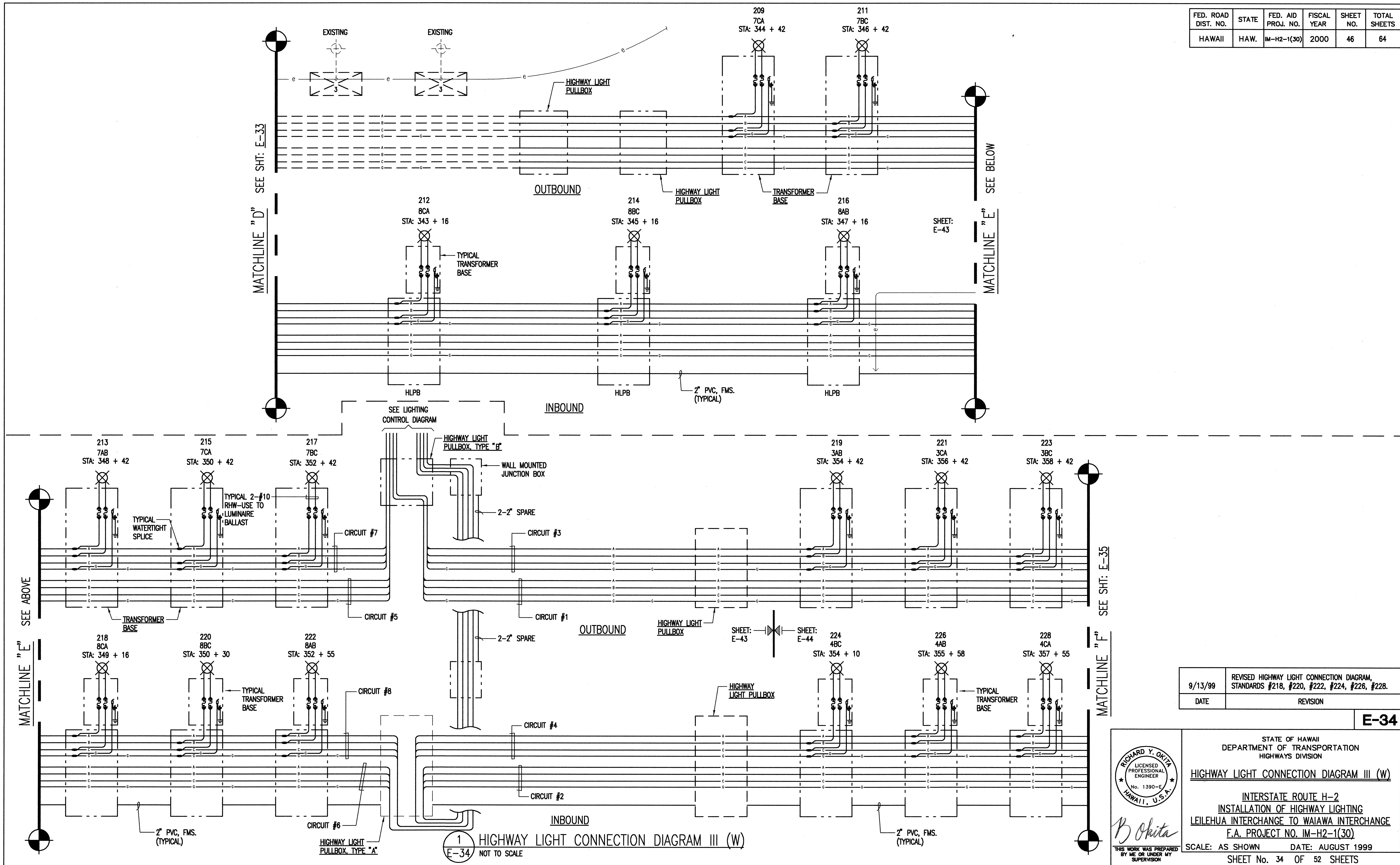
HIGHWAY LIGHT CONNECTION DIAGRAM II (W)

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. 33 OF 52 SHEETS

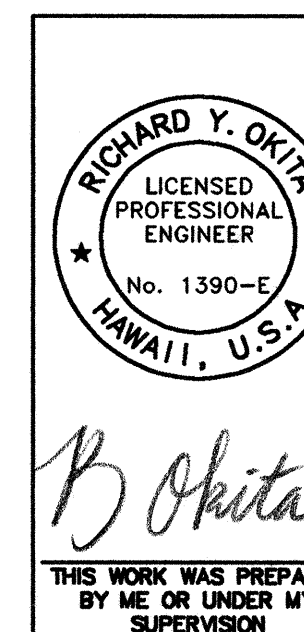
9/13/99	REVISED HIGHWAY LIGHT CONNECTION DIAGRAM ADDED NOTES NO.1, NO.2 & NO.3
DATE	REVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	46	64



9/13/99	REVISED HIGHWAY LIGHT CONNECTION DIAGRAM, STANDARDS #218, #220, #222, #224, #226, #228.
DATE	REVISION

E-34



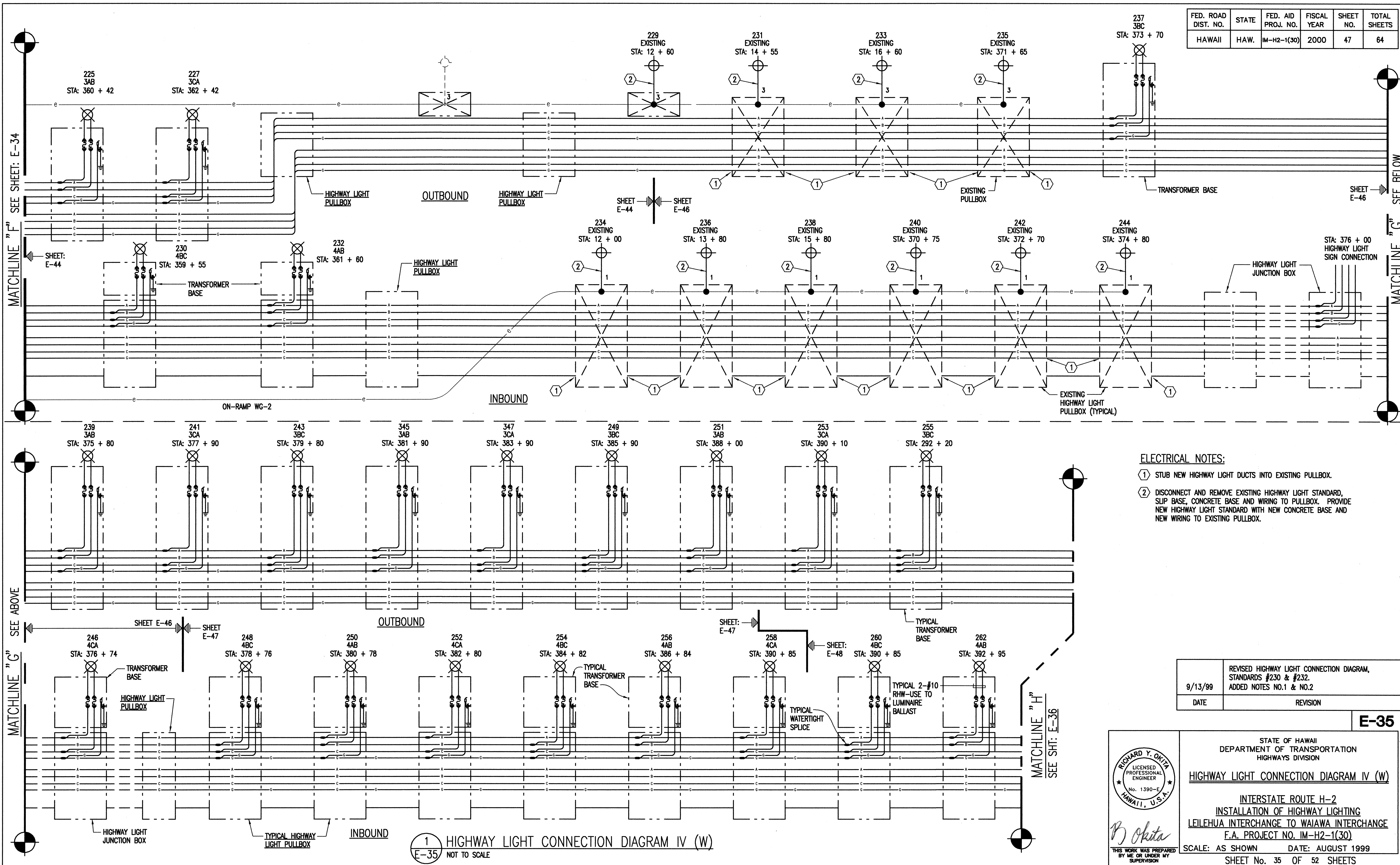
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHT CONNECTION DIAGRAM III (W)

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. 34 OF 52 SHEETS

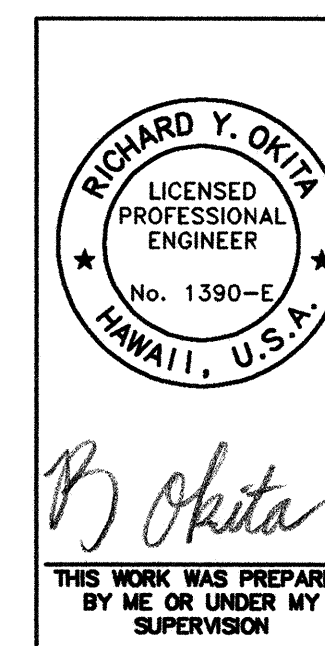
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	47	64



ELECTRICAL NOTES:

- 1 STUB NEW HIGHWAY LIGHT DUCTS INTO EXISTING PULLBOX.
- 2 DISCONNECT AND REMOVE EXISTING HIGHWAY LIGHT STANDARD, SLIP BASE, CONCRETE BASE AND WIRING TO PULLBOX. PROVIDE NEW HIGHWAY LIGHT STANDARD WITH NEW CONCRETE BASE AND NEW WIRING TO EXISTING PULLBOX.

9/13/99	REVISED HIGHWAY LIGHT CONNECTION DIAGRAM, STANDARDS #230 & #232. ADDED NOTES NO.1 & NO.2
DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

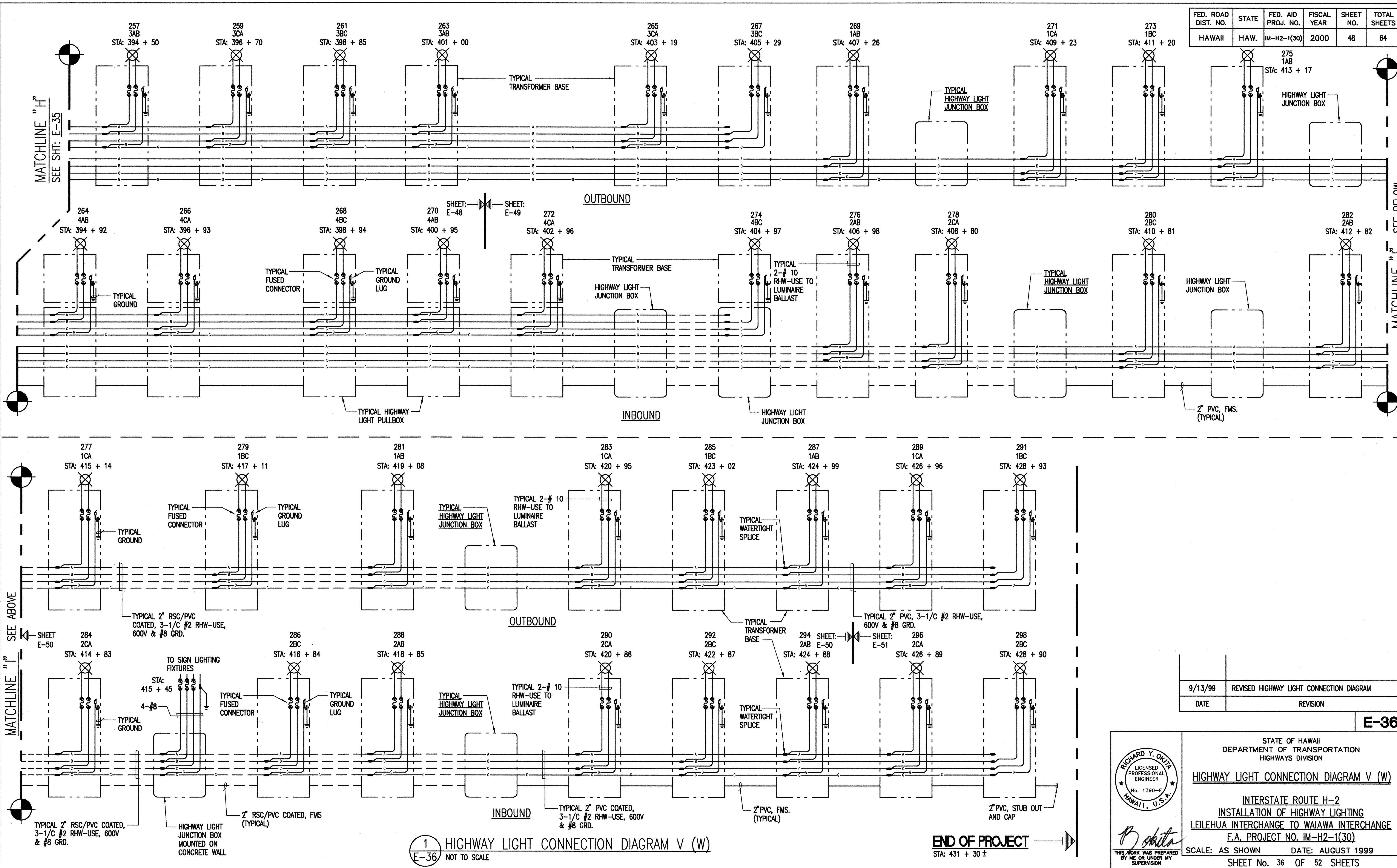
HIGHWAY LIGHT CONNECTION DIAGRAM IV (W)

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. 35 OF 52 SHEETS

1 HIGHWAY LIGHT CONNECTION DIAGRAM IV (W)
E-35 NOT TO SCALE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	48	64



1
E-36
HIGHWAY LIGHT CONNECTION DIAGRAM V (W)
NOT TO SCALE

END OF PROJECT
STA: 431 + 30 ±

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

E-36

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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HIGHWAY LIGHT CONNECTION DIAGRAM V (W)

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. 36 OF 52 SHEETS

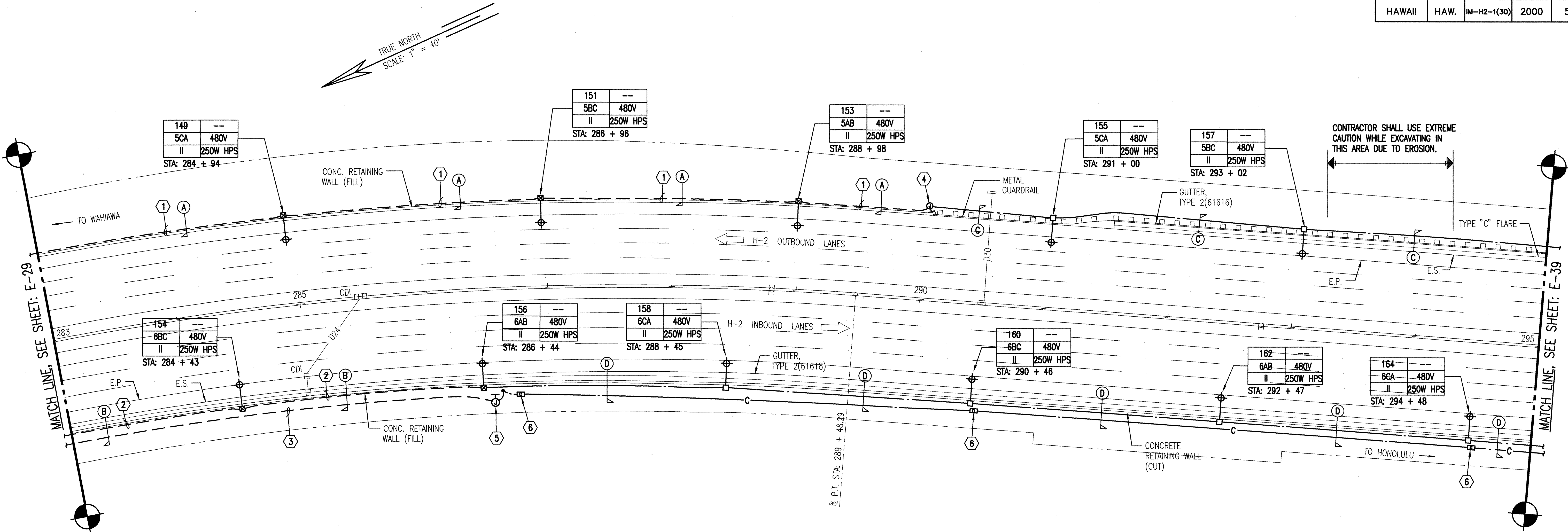
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	49	64

LIGHT NO. ON PLAN	POLE LOCATION		POLE SHEET LOCATION	POLE HEIGHT	ARM LENGTH	BASE DETAIL	LOCATION DETAIL	REMARKS
	STATION	LANE I.B. O.B.						
139	274+84	•	E-29	35'-6"	12'-0"	E-3	16/E-6	
141	276+86	•	E-29	35'-6"	12'-0"	E-3	16/E-6	
143	278+88	•	E-29	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
144	274+38	•	E-29	35'-6"	12'-0"	E-3	10/E-5	
145	280+90	•	E-29	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
146	276+39	•	E-29	35'-6"	12'-0"	E-3	10/E-5	
147	282+92	•	E-29	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
148	278+40	•	E-29	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
149	284+94	•	E-38	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
150	280+41	•	E-29	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
151	286+96	•	E-38	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
152	282+42	•	E-29	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
153	288+98	•	E-38	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
154	284+43	•	E-38	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
155	291+00	•	E-38	35'-6"	12'-0"	E-3	17/E-6	
156	286+44	•	E-38	35'-6"	12'-0"	S-4	11/E-5	
157	293+02	•	E-38	35'-6"	12'-0"	E-3	16/E-6	
158	288+45	•	E-38	35'-6"	12'-0"	E-3	8/E-5	
159	295+06	•	E-39	35'-6"	12'-0"	E-3	20/E-6	
160	290+46	•	E-38	35'-6"	12'-0"	E-3	8/E-5	
161	297+06	•	E-38	35'-6"	12'-0"	E-3	20/E-6	
162	292+47	•	E-38	35'-6"	12'-0"	E-3	8/E-5	
163	299+08	•	E-39	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
164	294+48	•	E-38	35'-6"	12'-0"	E-3	8/E-5	
165	301+10	•	E-39	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
166	296+49	•	E-39	35'-6"	12'-0"	E-3	8/E-5	
167	303+12	•	E-39	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
168	298+70	•	E-39	35'-6"	12'-0"	E-3	14/E-5	
169	305+14	•	E-39	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
170	300+95	•	E-39	35'-6"	8'-0"	E-3	15/E-6	
171	307+16	•	E-40	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
172	302+59	•	E-39	35'-6"	8'-0"	E-3	15/E-6	
173	309+18	•	E-40	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
174	304+56	•	E-39	35'-6"	8'-0"	E-3	15/E-6	
175	311+20	•	E-40	35'-6"	12'-0"	E-3	22/E-6	
176	306+54	•	E-39	35'-6"	8'-0"	E-3	15/E-6	
177	313+22	•	E-40	35'-6"	12'-0"	E-3	22/E-6	
178	308+50	•	E-40	35'-6"	8'-0"	E-3	15/E-6	
179	315+24	•	E-40	35'-6"	12'-0"	E-3	10/E-5	
180	310+56	•	E-40	35'-6"	8'-0"	E-3	15/E-6	
181	317+27	•	E-40	35'-6"	8'-0"	E-3	15/E-6	
182	312+57	•	E-40	35'-6"	8'-0"	E-3	15/E-6	
183	319+28	•	E-41	35'-6"	8'-0"	E-3	15/E-6	
184	314+58	•	E-40	35'-6"	12'-0"	E-3	10/E-5	
185	321+30	•	E-41	35'-6"	8'-0"	E-3	15/E-6	
186	316+59	•	E-40	35'-6"	12'-0"	E-3	10/E-5	
187	323+32	•	E-41	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
188	318+60	•	E-40	35'-6"	12'-0"	E-3	16/E-6	
189	325+34	•	E-41	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
190	320+61	•	E-41	35'-6"	12'-0"	E-3	16/E-6	
191	327+36	•	E-41	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
192	322+62	•	E-41	35'-6"	12'-0"	E-3	16/E-6	

LIGHT NO. ON PLAN	POLE LOCATION		POLE SHEET LOCATION	POLE HEIGHT	ARM LENGTH	BASE DETAIL	LOCATION DETAIL	REMARKS
	STATION	LANE I.B. O.B.						
193	329+38	•	E-41	35'-6"	8'-0"	S-4	4/E-5	MOUNTED ON RETAINING WALL
194	324+63	•	E-41	35'-6"	12'-0"	E-3	16/E-6	
195	21+40	•	E-42	35'-6"	12'-0"	E-3	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
196	326+64	•	E-41	35'-6"	12'-0"	E-3	10/E-5	
197	19+75	•	E-42	35'-6"	12'-0"	E-3	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
198	328+65	•	E-41	35'-6"	12'-0"	E-3	10/E-5	
199	18+20	•	E-42	35'-6"	12'-0"	E-3	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
200	330+66	•	E-42	35'-6"	12'-0"	E-3	15/E-6	
201	16+58	•	E-42	35'-6"	12'-0"	E-3	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
202	24+47	•	E-42	35'-6"	12'-0"	E-3	15/E-6	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
203	14+95	•	E-42	35'-6"	12'-0"	E-3	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
204	22+50	•	E-42	35'-6"	12'-0"	E-3	15/E-6	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
205	13+30	•	E-42	35'-6"	12'-0"	E-3	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
206	21+50	•	E-42	35'-6"	12'-0"	E-3	15/E-6	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
207	11+60	•	E-42	35'-6"	12'-0"	----	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
208	337+96	•	E-42	35'-6"	12'-0"	E-3	6/E-5	
209	344+42	•	E-43	35'-6"	12'-0"	E-3	13/E-5	
210	340+05	•	E-42	35'-6"	12'-0"	E-3	6/E-5	
211	346+42	•	E-43	35'-6"	12'-0"	E-3	13/E-5	
212	343+16	•	E-43	35'-6"	12'-0"	E-3	6/E-5	
213	348+42	•	E-43	35'-6"	12'-0"	E-3	12/E-5	
214	345+16	•	E-43	35'-6"	12'-0"	E-3	6/E-5	
215	350+42	•	E-43	35'-6"	12'-0"	E-3	12/E-5	
216	347+16	•	E-43	35'-6"	12'-0"	E-3	6/E-5	
217	352+42	•	E-43	35'-6"	12'-0"	E-3	9/E-5	
218	349+16	•	E-43	35'-6"	12'-0"	E-3	6/E-5	
219	354+42	•	E-44	35'-6"	12'-0"	E-3	9/E-5	
220	351+00	•	E-43	35'-6"	12'-0"	E-3	6/E-5	
221	356+42	•	E-44	35'-6"	12'-0"	E-3	9/E-5	
222	352+55	•	E-43	35'-6"	12'-0"	E-3	6/E-5	
223	358+42	•	E-44	35'-6"	12'-0"	E-3	9/E-5	
224	354+10	•	E-44	35'-6"	12'-0"	E-3	6/E-5	
225	360+42	•	E-44	35'-6"	12'-0"	E-3	9/E-5	
226	355+58	•	E-44	35'-6"	12'-0"	E-3	6/E-5	
227	362+42	•	E-44	35'-6"	12'-0"	E-3	6/E-5	
228	357+55	•	E-44	35'-6"	12'-0"	E-3	6/E-5	
229	12+60	•	E-44	35'-6"	12'-0"	E-3	14/E-6	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
230	359+55	•	E-44	35'-6"	12'-0"	E-3	6/E-5	
231	14+55	•	E-46	35'-6"	12'-0"	E-3	14/E-6	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
232	361+60	•	E-44	35'-6"	12'-0"	E-3	6/E-5	
233	16+60	•	E-46	35'-6"	12'-0"	E-3	14/E-6	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
234	12+00	•	E-44	35'-6"	12'-0"	----	----	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
235	371+65	•	E-46	35'-6"	12'-0"	E-3	15/E-6	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
236	13+80	•	E-46	35'-6"	12'-0"	E-3	12/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
237	373+70	•	E-46	35'-6"	12'-0"	E-3	12/E-5	
238	15+80	•	E-46	35'-6"	12'-0"	E-3	12/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
239	375+80	•	E-46	35'-6"	12'-0"	E-3	12/E-5	
240	370+75	•	E-46	35'-6"	12'-0"	E-3	12/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
241	377+90	•	E-46	35'-6"	12'-0"	E-3	12/E-5	
242	372+70	•	E-46	35'-6"	12'-0"	E-3	12/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD
243	379+80	•	E-47	35'-6"	12'-0"	E-3	9/E-5	
244	374+80	•	E-46	35'-6"	12'-0"	E-3	12/E-5	REPLACE EXISTING HIGHWAY LIGHT STANDARD WITH NEW HIGHWAY LIGHT STANDARD

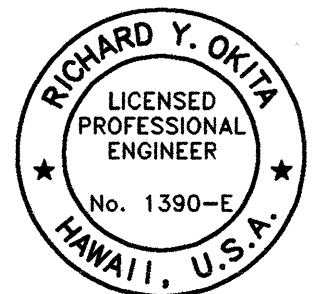
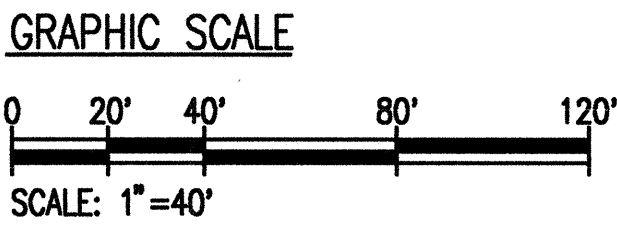
LIGHT NO. ON PLAN	POLE LOCATION		POLE SHEET LOCATION	POLE HEIGHT	ARM LENGTH	BASE DETAIL	LOCATION DETAIL	REMARKS
	STATION	LANE I.B. O.B.						
245	381+90	•	E-47	35'-6"	12'-0"	E-3	9/E-5	
246	376+74	•	E-46	35'-6"	12'-0"	S-4	11/E-5	
247	383+90	•	E-47	35'-6"	12'-0"	E-3	12/E-5	
248	378+76	•	E-47	35'-6"	12'-0"	E-3	18/E-6	
249	385+90	•	E-47	35'-6"	12'-0"	E-3	12/E-5	
250	380+78	•	E-47	35'-6"	12'-0"	E-3	12/E-5	
251	388+00	•	E-47	35'-6"	12'-0"	E-3	9/E-5	
252	382+80	•	E-47	35'-6"	12'-0"	E-3	19/E-6	
253	390+10	•	E-48	35'-6"	12'-0"	E-3	9/E-5	
254	384+82	•	E-47	35'-6"	12'-0"	E-3	19/E-6	
255	392+20	•	E-48	35'-6"	12'-0"	E-3	18/E-6	
256	386+84	•	E-47	35'-6"	12'-0"	E-3	19/E-6	
257	394+50	•	E-48	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
258	388+86	•	E-47	35'-6"	12'-0"	E-3	19/E-6	
259	396+70	•	E-48	35'-6"	12'-0"	E-3	18/E-6	
260	390+88	•	E-48	35'-6"	12'-0"	E-3	19/E-6	
261	398+85	•	E-48	35'-6"	12'-0"	E-3	9/E-5	
262	392+90	•	E-48	35'-6"	12'-0"	E-3	19/E-6	
263	401+00	•	E-48	35'-6"	12'-0"	E-3	18/E-6	
264	394+92	•	E-48	35'-6"	12'-0"	E-3	19/E-6	
265	403+19	•	E-49	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
266	396+93	•	E-48	35'-6"	12'-0"	E-3	19/E-6	
267	405+29	•	E-49	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
268	398+94	•	E-48	35'-6"	12'-0"	E-3	19/E-6	
269	407+26	•	E-49	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
270	400+95	•	E-48	35'-6"	12'-0"	E-3	19/E-6	
271	409+23	•	E-49	35'-6"	12'-0"	E-3	19/E-6	
272	402+96	•	E-49	35'-6"	12'-0"	E-3	19/E-6	
273	411+20	•	E-49	35'-6"	12'-0"	E-3	19/E-6	
274	404+97	•	E-49	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
275	413+17	•	E-49	35'-6"	12'-0"	E-3	14/E-5	
276	406+98	•	E-49	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
277	415+14	•	E-50	35'-6"	8'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
278	408+80	•	E-49	35'-6"	12'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
279	417+11	•	E-50	35'-6"	8'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
280	410+81	•	E-49	35'-6"	12'-0"	E-3	20/E-6	
281	419+08	•	E-50	35'-6"	8'-0"	S-4	11/E-5	MOUNTED ON RETAINING WALL
282	412+82	•	E-49	35'-6"	12'-0"	S-4	11/E-5	
283	420+95	•	E-50	35'-6"	12'-0"	E-3	19/E-6	
284	414+83	•	E-50	35'-6"	12'-0"	S-4	11/E-5	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	50	64



1 PARTIAL LIGHTING PLAN - STATION 283+00 TO 295+00
E-38 SCALE: 1" = 40'

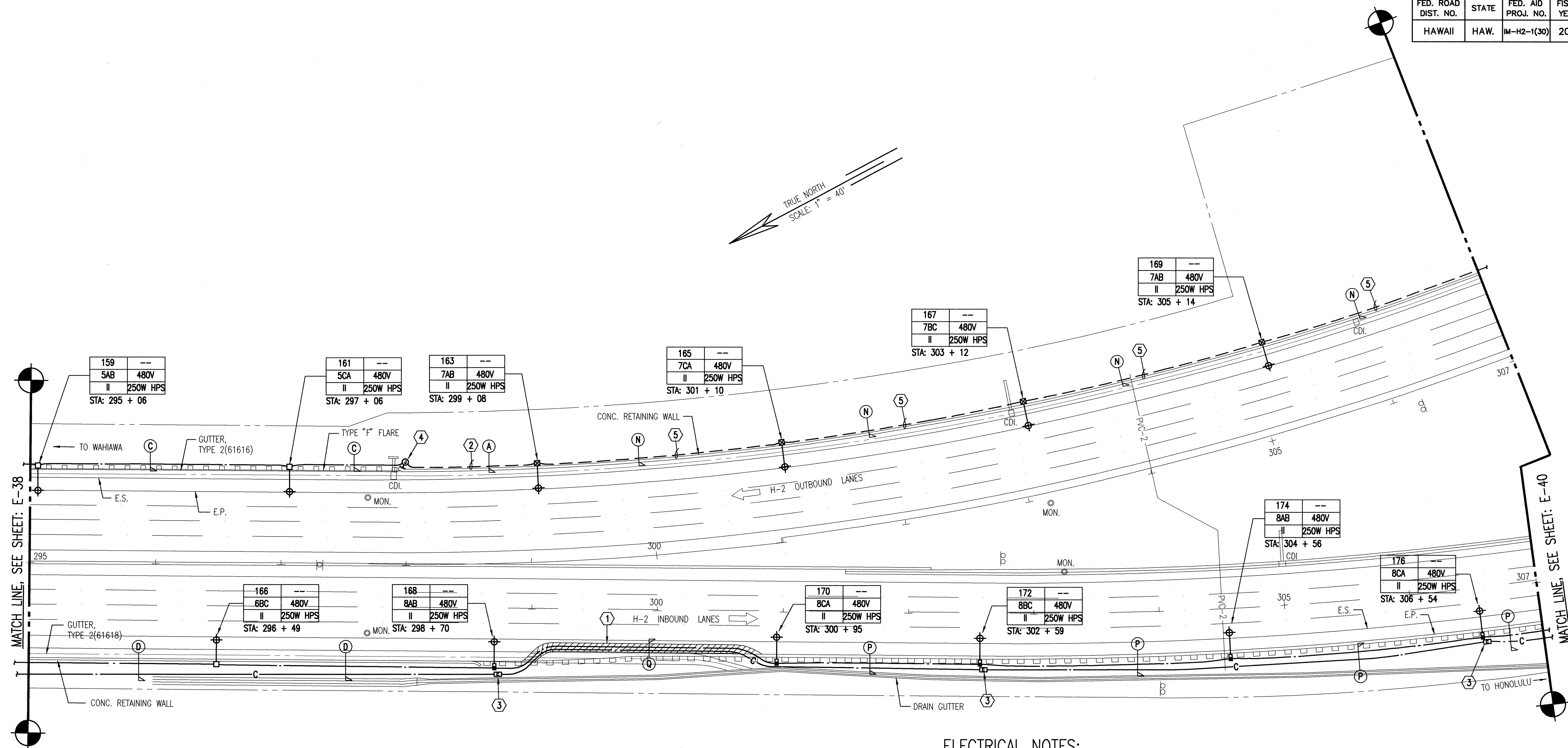
- ELECTRICAL NOTES:
- 1-2" RSC/PVC COATED HIGHWAY LIGHTING RACEWAY MOUNTED TO CONCRETE WALL.
 - 2-2" RSC/PVC COATED HIGHWAY LIGHTING RACEWAYS MOUNTED TO CONCRETE WALL.
 - 1-4" RSC/PVC COATED RACEWAY MOUNTED TO CONCRETE RETAINING WALL.
 - HIGHWAY LIGHT JUNCTION BOX, 12"W x 16"H x 6"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
 - COMMUNICATION JUNCTION BOX, 12"W x 16"H x 8"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
 - COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.



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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN -
STATION 283+00 TO STATION 295+00
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE
E.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 38 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	51	64

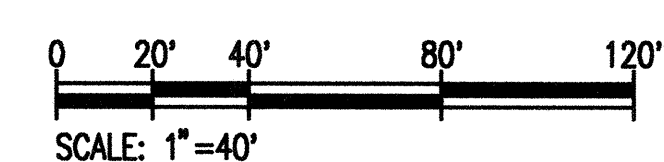


1 PARTIAL LIGHTING PLAN - STATION 295+00 TO 307+00
E-39 SCALE: 1" = 40'

ELECTRICAL NOTES:

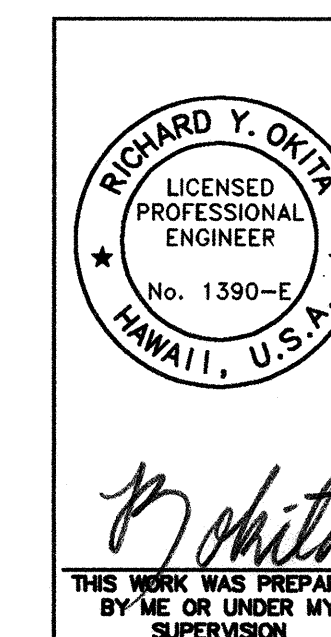
- ① SAWCUT EXISTING A.C. PAVEMENT AND INSTALL NEW RACEWAYS. PATCH TO MATCH EXISTING CONDITION.
- ② 1-2" RSC/PVC COATED RACEWAY MOUNTED TO CONCRETE RETAINING WALL.
- ③ COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- ④ HIGHWAY LIGHT JUNCTION BOX, 12"W x 16"H x 6"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.
- ⑤ 2-2" RSC/PVC COATED RACEWAYS MOUNTED TO CONCRETE WALL.

GRAPHIC SCALE



9/13/99	REVISED DUCT SECTION AND NOTE INDICATORS, ADDED HLPB (168, 170, 172, 174, 176), ADDED NOTE NO.5
DATE	REVISION

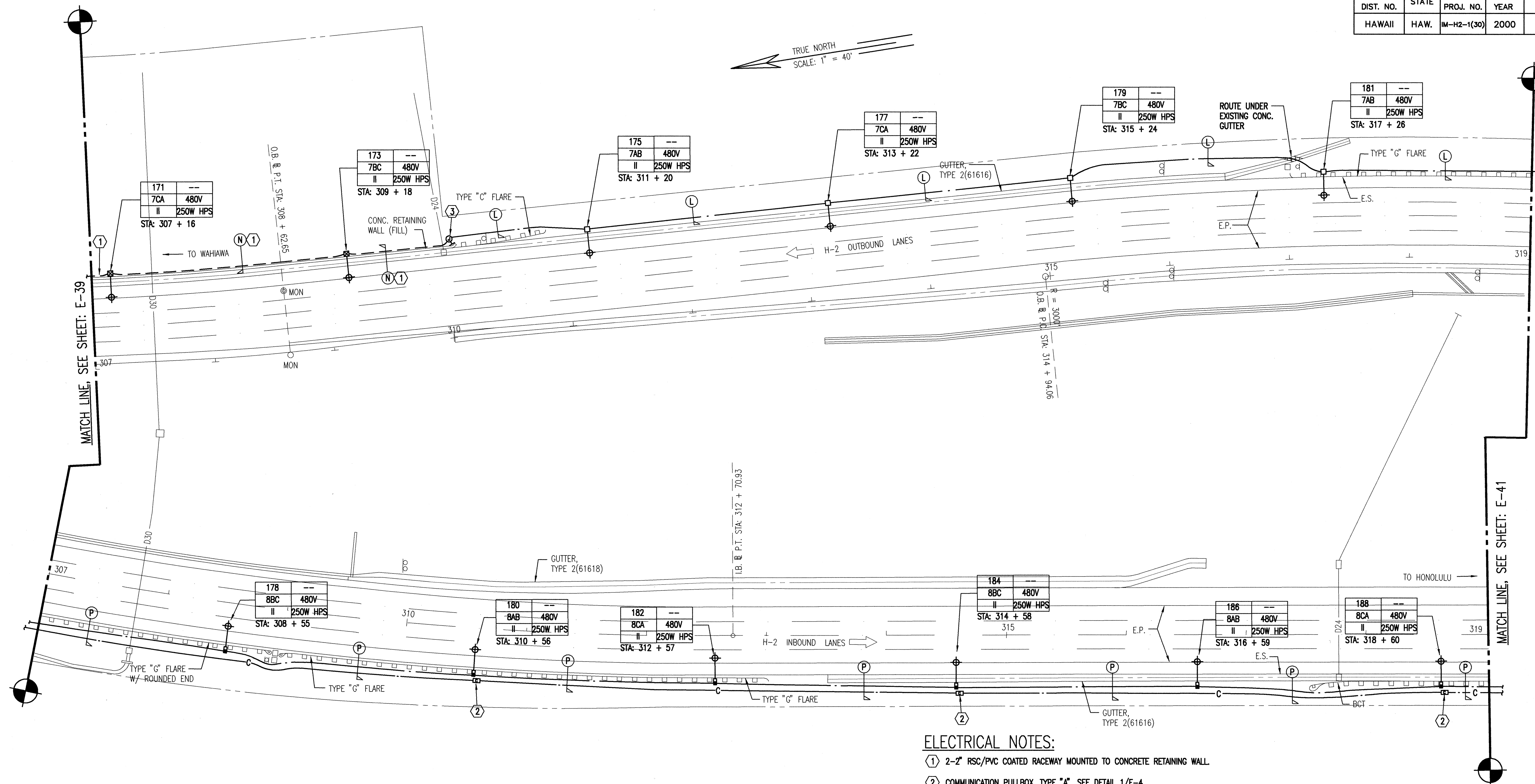
E-39



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN -
STATION 295+00 TO STATION 307+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. 39 OF 52 SHEETS

ADD . 51

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	52	64

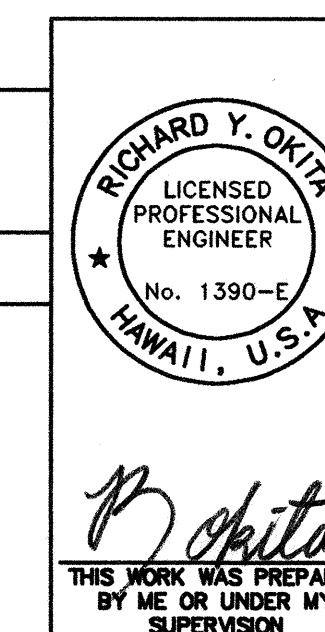
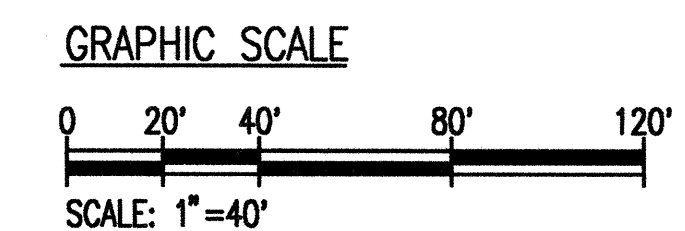


ELECTRICAL NOTES:

- ① 2-2" RSC/PVC COATED RACEWAY MOUNTED TO CONCRETE RETAINING WALL.
- ② COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- ③ HIGHWAY LIGHT JUNCTION BOX, 12"W x 16"H x 6"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.

1 PARTIAL LIGHTING PLAN - STATION 307+00 TO 319+00
E-40 SCALE: 1" = 40'

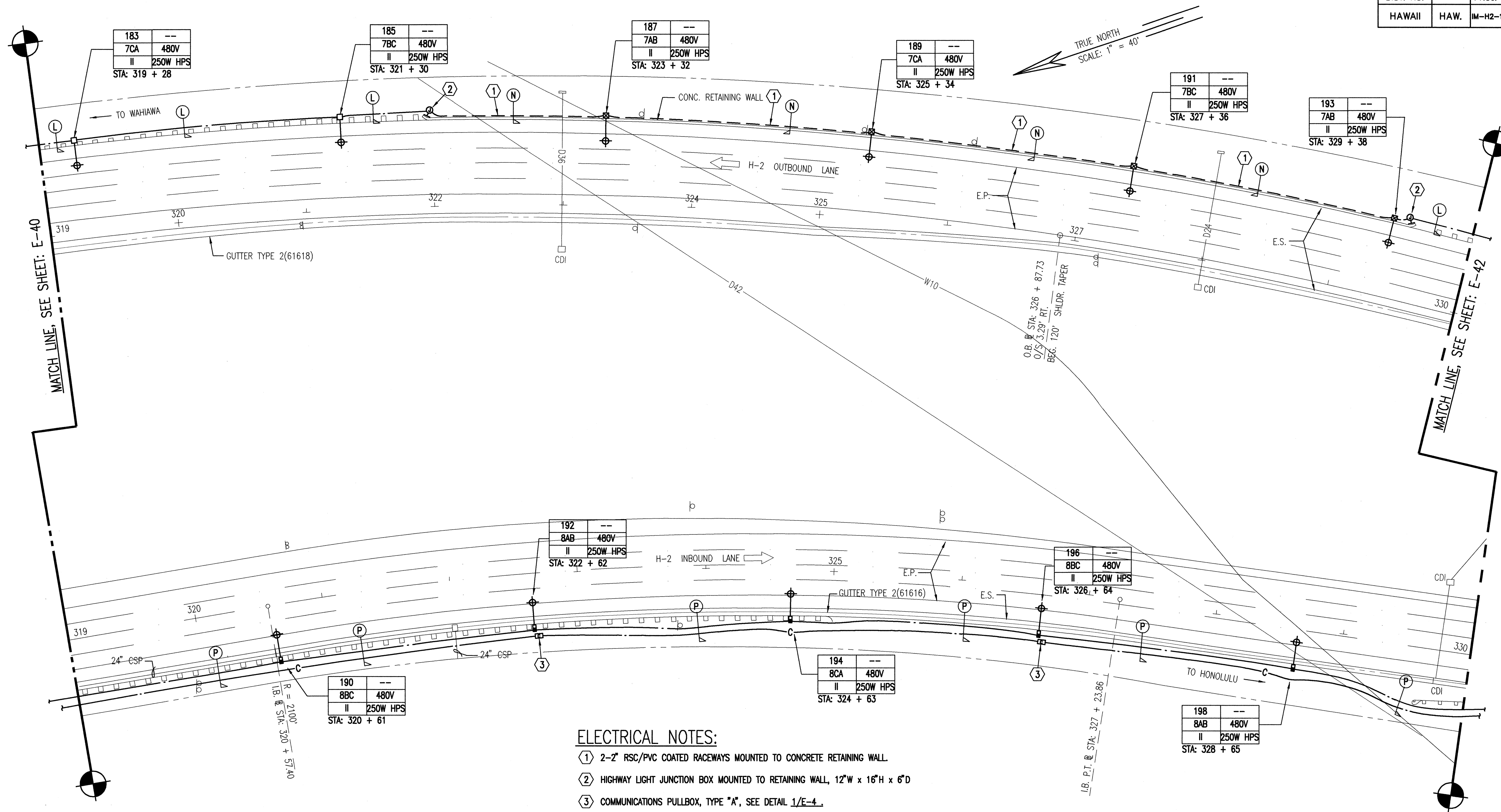
9/13/99	REVISED DUCT SECTION INDICATORS, ADDED HLPB (178), REVISED NOTE NO.1.
DATE	REVISION



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN -
STATION 307+00 TO STATION 319+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. 40 OF 52 SHEETS

ADD . 52

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	53	64

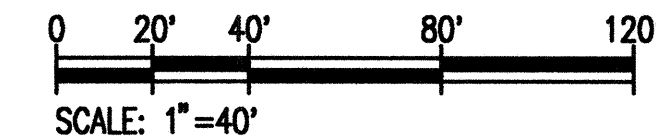


ELECTRICAL NOTES:

- ① 2-2" RSC/PVC COATED RACEWAYS MOUNTED TO CONCRETE RETAINING WALL.
- ② HIGHWAY LIGHT JUNCTION BOX MOUNTED TO RETAINING WALL, 12"W x 16"H x 6"D
- ③ COMMUNICATIONS PULLBOX, TYPE "A", SEE DETAIL 1/E-4.

1 PARTIAL LIGHTING PLAN - STATION 319+00 TO 330+00
E-41 SCALE: 1" = 40'

GRAPHIC SCALE



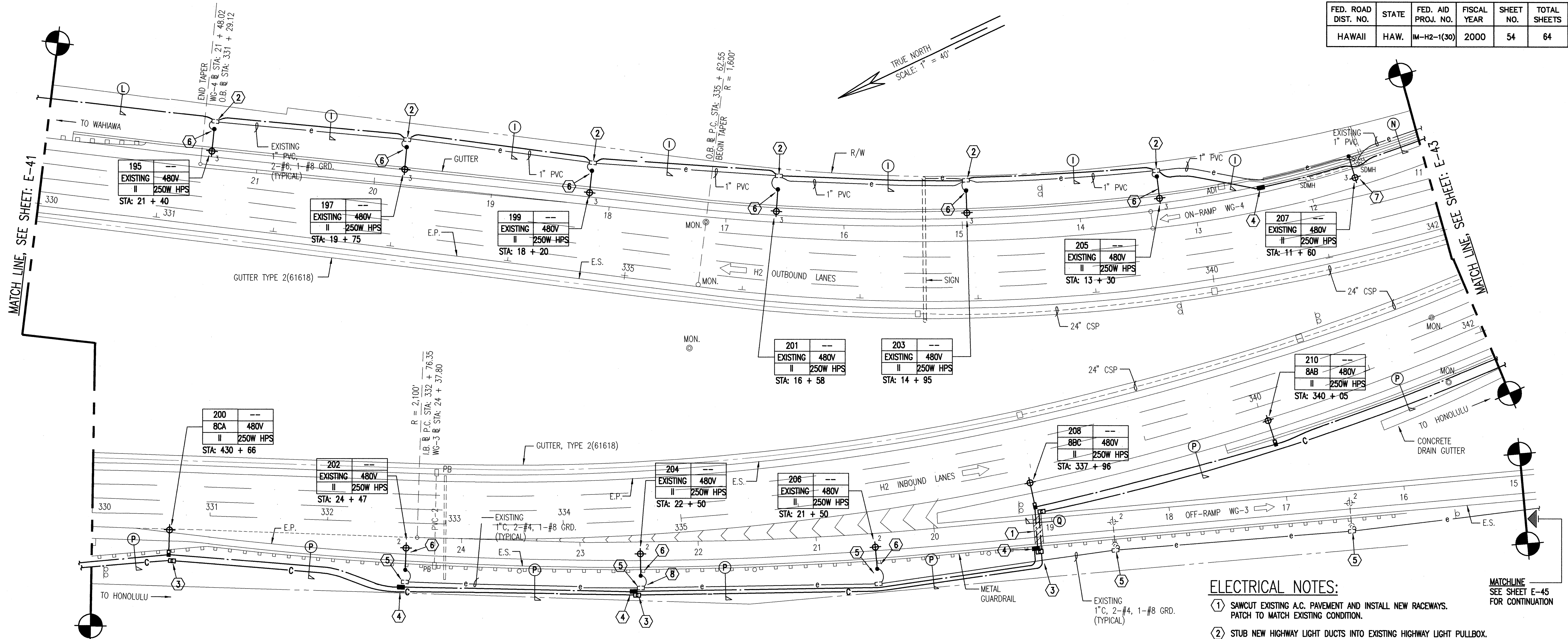
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN -
STATION 319+00 TO STATION 330+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. 41 OF 52 SHEETS

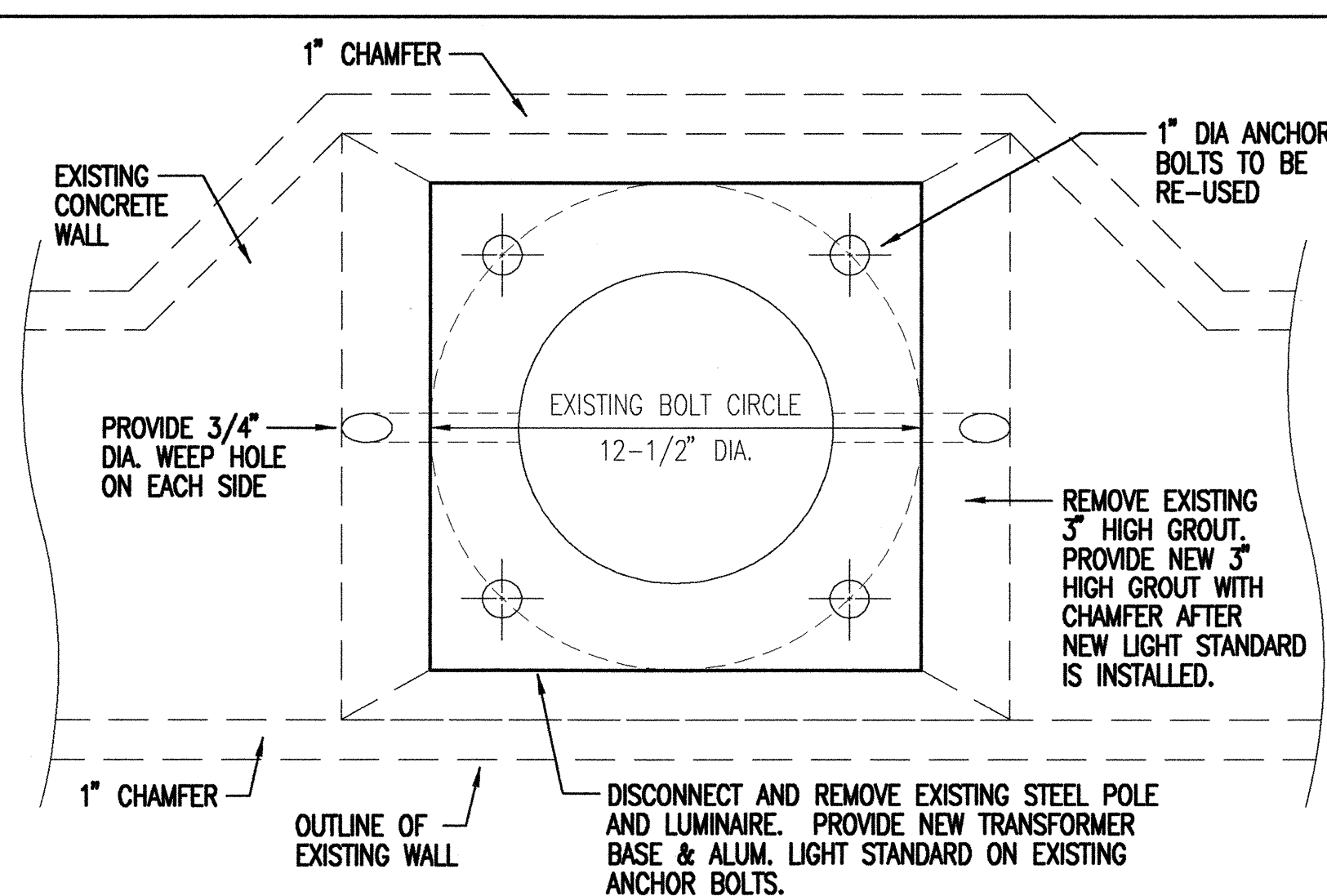
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	54	64



ELECTRICAL NOTES:

- 1 SAWCUT EXISTING A.C. PAVEMENT AND INSTALL NEW RACEWAYS. PATCH TO MATCH EXISTING CONDITION.
- 2 STUB NEW HIGHWAY LIGHT DUCTS INTO EXISTING HIGHWAY LIGHT PULLBOX.
- 3 COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- 4 HIGHWAY LIGHT PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- 5 EXISTING SLPB AND UNDERGROUND WIRING TO REMAIN.
- 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.
- 7 REPLACE EXISTING STEEL POLE AND LUMINAIRE WITH NEW HIGHWAY LIGHT STANDARD POLE AND LUMINAIRE. INSTALL ON EXISTING CONCRETE BASE, CONNECT TO EXISTING WIRING.
- 8 PROVIDE NEW PULLBOX COVER.

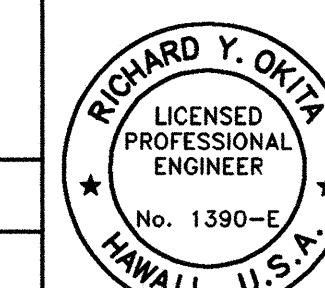
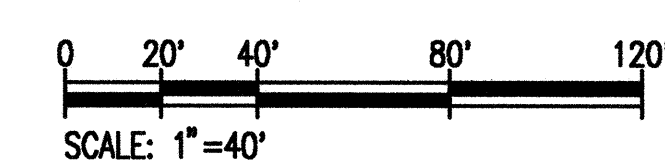
1 PARTIAL LIGHTING PLAN - STATION 330+00 TO 342+00 E-42 SCALE: 1" = 40'



2 DETAIL - POLE # 207 E-42 NOT TO SCALE

9/13/99	REVISED PARTIAL LIGHTING PLAN, REVISED DUCT SECTION INDICATOR, ADDED DETAIL 2/E-42, ADDED NOTE NO.7 & NO.8. REVISED NOTE NO.6
DATE	REVISION

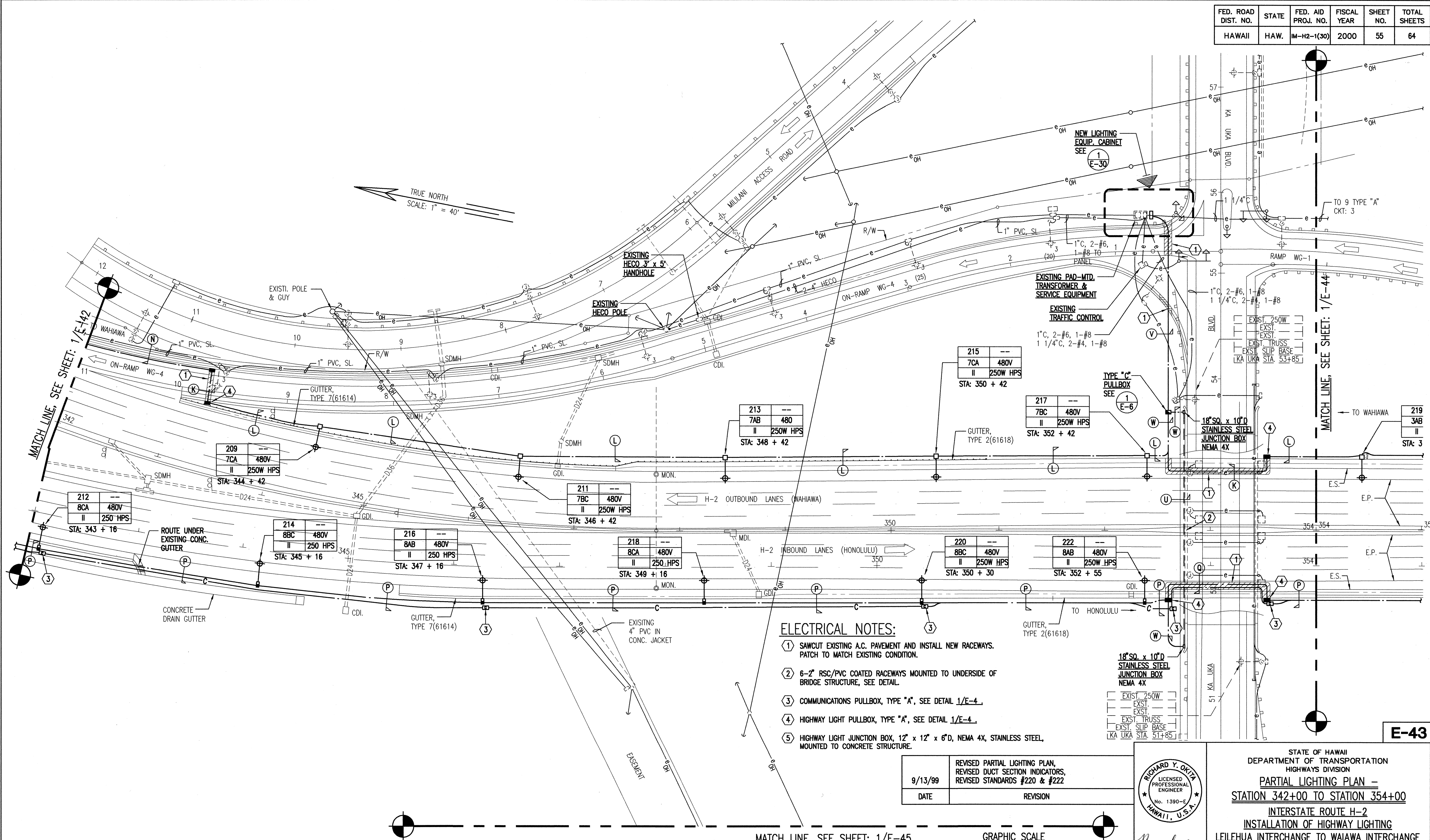
GRAPHIC SCALE



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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PARTIAL LIGHTING PLAN - STATION 330+00 TO STATION 342+00 INTERSTATE ROUTE H-2 INSTALLATION OF HIGHWAY LIGHTING LEILEHUA INTERCHANGE TO WAIKAWA INTERCHANGE E.A. PROJECT NO. IM-H2-1(30) SCALE: AS SHOWN DATE: AUGUST 1999 SHEET No. 42 OF 52 SHEETS

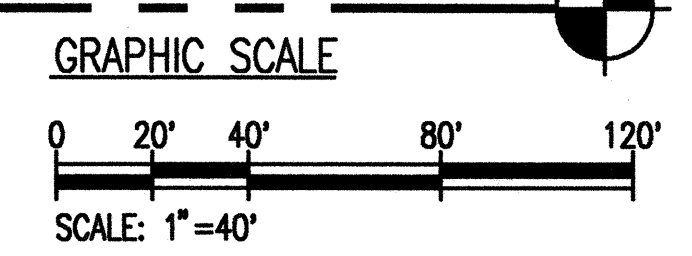
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	55	64



1 PARTIAL LIGHTING PLAN - STATION 342+00 TO 354+00
E-43 SCALE: 1" = 40'

- ELECTRICAL NOTES:**
- SAWCUT EXISTING A.C. PAVEMENT AND INSTALL NEW RACEWAYS. PATCH TO MATCH EXISTING CONDITION.
 - 6-2" RSC/PVC COATED RACEWAYS MOUNTED TO UNDERSIDE OF BRIDGE STRUCTURE, SEE DETAIL.
 - COMMUNICATIONS PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
 - HIGHWAY LIGHT PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
 - HIGHWAY LIGHT JUNCTION BOX, 12" x 12" x 6"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE STRUCTURE.

9/13/99	REVISED PARTIAL LIGHTING PLAN, REVISED DUCT SECTION INDICATORS, REVISED STANDARDS #220 & #222
DATE	REVISION



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

B. Okita

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN -
STATION 342+00 TO STATION 354+00

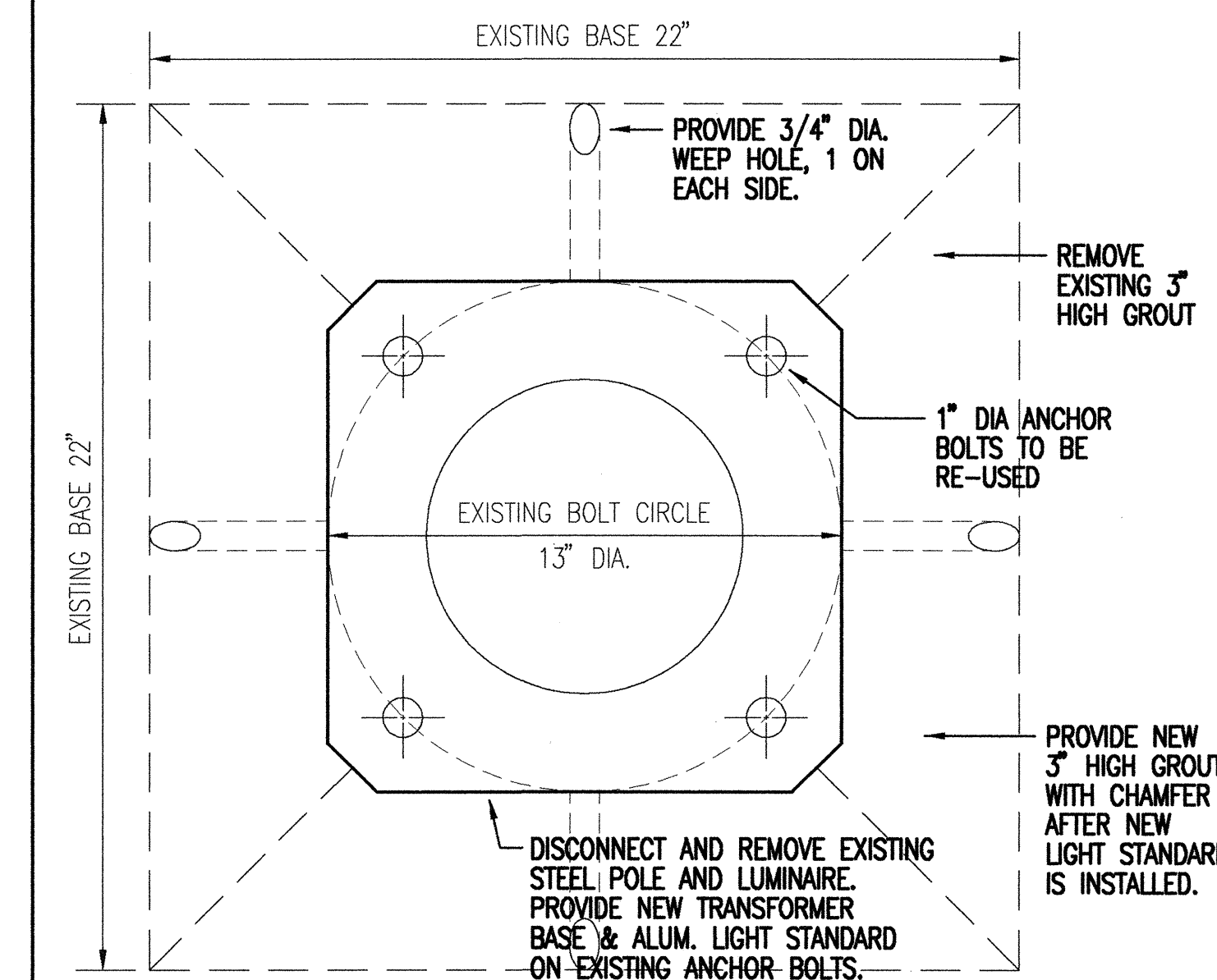
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIKAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)

SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 43 OF 52 SHEETS

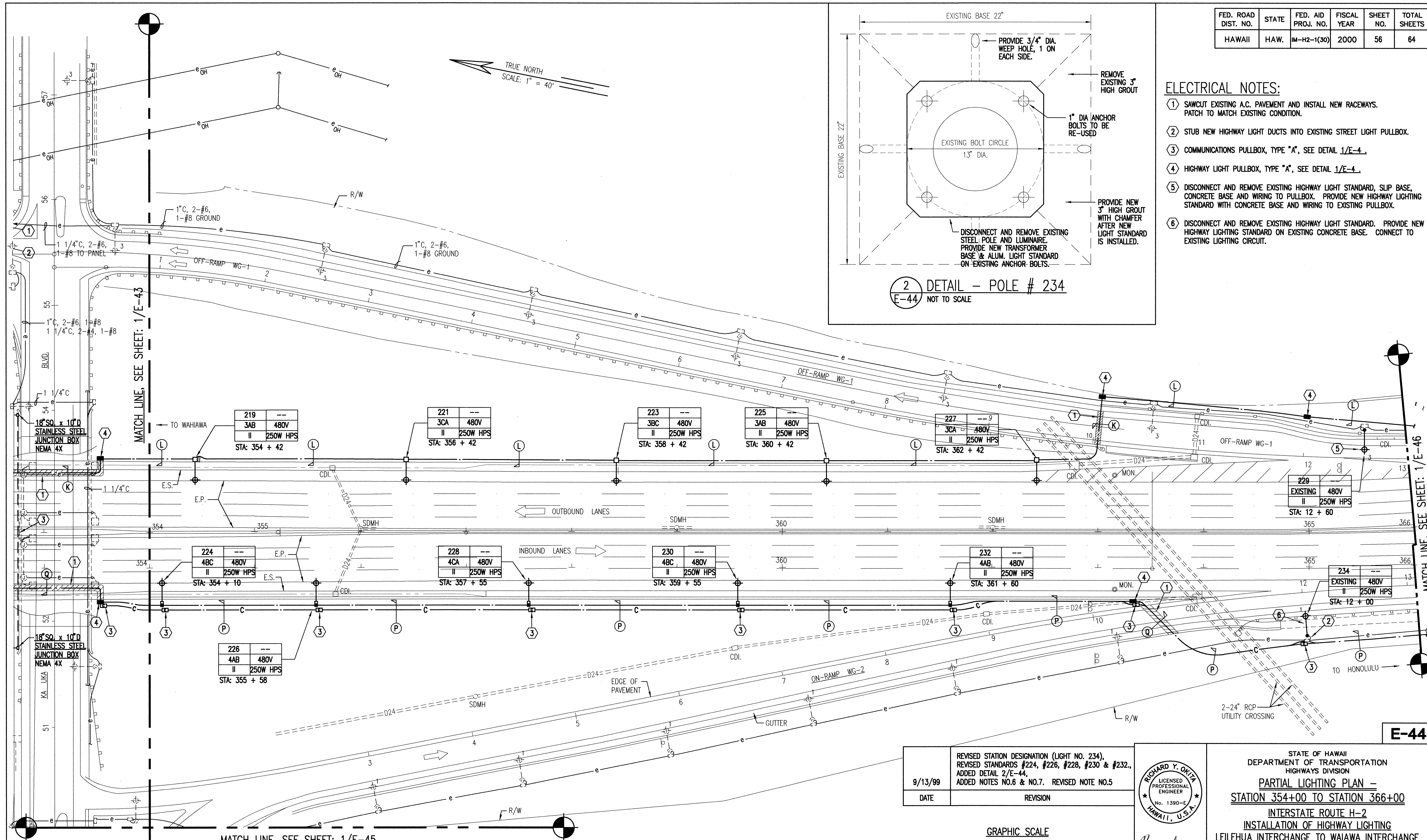
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	56	64

ELECTRICAL NOTES:

- SAWCUT EXISTING A.C. PAVEMENT AND INSTALL NEW RACEWAYS. PATCH TO MATCH EXISTING CONDITION.
- STUB NEW HIGHWAY LIGHT DUCTS INTO EXISTING STREET LIGHT PULLBOX.
- COMMUNICATIONS PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- HIGHWAY LIGHT 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 HIGHWAY LIGHT STANDARD. PROVIDE NEW HIGHWAY LIGHTING STANDARD ON EXISTING CONCRETE BASE. CONNECT TO EXISTING LIGHTING CIRCUIT.



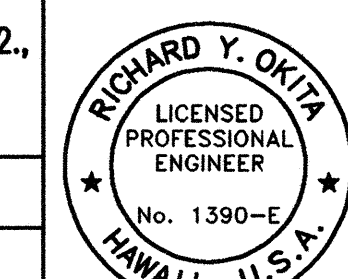
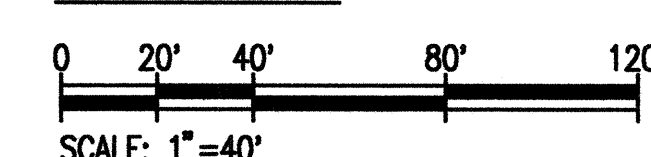
2 DETAIL - POLE # 234
E-44 NOT TO SCALE



1 PARTIAL LIGHTING PLAN - STATION 354+00 TO 366+00
E-44 SCALE: 1" = 40'

DATE	REVISION
9/13/99	REVISED STATION DESIGNATION (LIGHT NO. 234), REVISED STANDARDS #224, #226, #230 & #232, ADDED DETAIL 2/E-44, ADDED NOTES NO.6 & NO.7. REVISED NOTE NO.5

GRAPHIC SCALE



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STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PARTIAL LIGHTING PLAN - STATION 354+00 TO STATION 366+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. 44 OF 52 SHEETS
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	57	64

MATCHLINE
SEE SHEET E-43
FOR CONTINUATION

SEE SHEET E-44
FOR CONTINUATION

MATCHLINE
SEE SHEET E-42
FOR CONTINUATION

TRUE NORTH
SCALE: 1" = 40'

MATCHLINE
SEE ABOVE

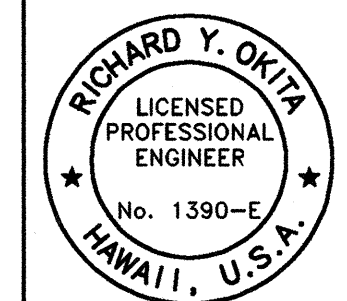
MATCHLINE
SEE BELOW

GRAPHIC SCALE



1 PARTIAL LIGHTING PLAN (OFF-RAMP WG-3)
E-45 SCALE: 1" = 40'

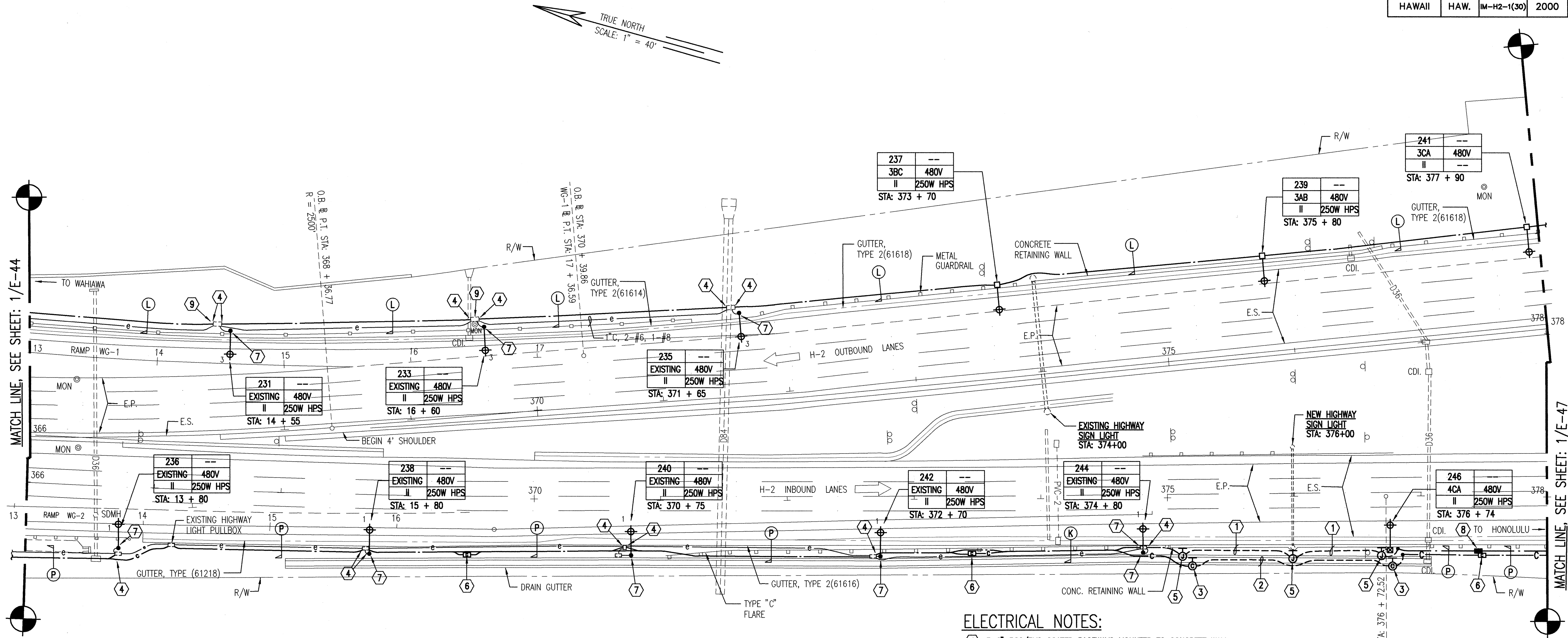
E-45



R. Ohta
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BY ME OR UNDER MY
SUPERVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL EXISTING LIGHTING PLAN
(OFF-RAMP WG-3)
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIKAWA INTERCHANGE
E.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 45 OF 52 SHEETS

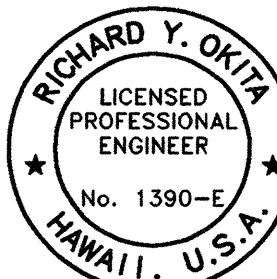
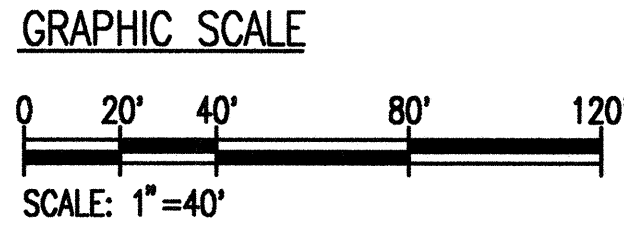
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	58	64



1 PARTIAL LIGHTING PLAN - STATION 366+00 TO 378+00
E-46 SCALE: 1" = 40'

- ELECTRICAL NOTES:**
- ① 3-2" RSC/PVC COATED RACEWAYS MOUNTED TO CONCRETE WALL.
 - ② 4" RSC/PVC COATED COMM. RACEWAY MOUNTED TO CONCRETE WALL.
 - ③ COMMUNICATION JUNCTION BOX, 12" x 12" x 8"D, NEMA 4X, STAINLESS STEEL.
 - ④ STUB NEW PVC RACEWAYS INTO EXISTING PULLBOX.
 - ⑤ HIGHWAY LIGHT JUNCTION BOX, 12" x 12" x 6"D, NEMA 4X, STAINLESS STEEL.
 - ⑥ COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
 - ⑦ 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.
 - ⑧ HIGHWAY LIGHT PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
 - ⑨ PROVIDE NEW PULLBOX COVER.

9/13/99	REVISED PARTIAL LIGHTING PLAN, ADDED NOTE NO.9. REVISED NOTE NO.7
DATE	REVISION



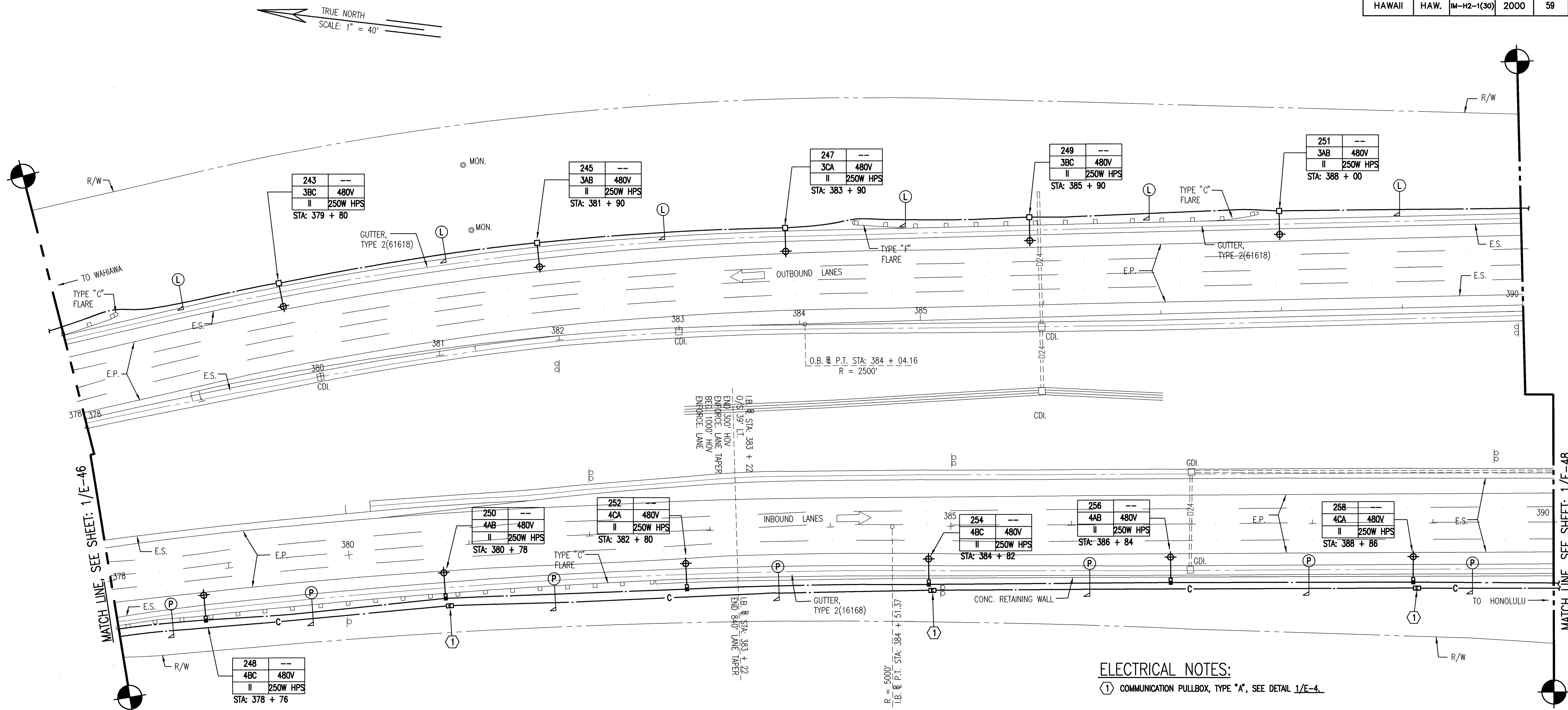
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PARTIAL LIGHTING PLAN -
STATION 366+00 TO STATION 378+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. 46 OF 52 SHEETS

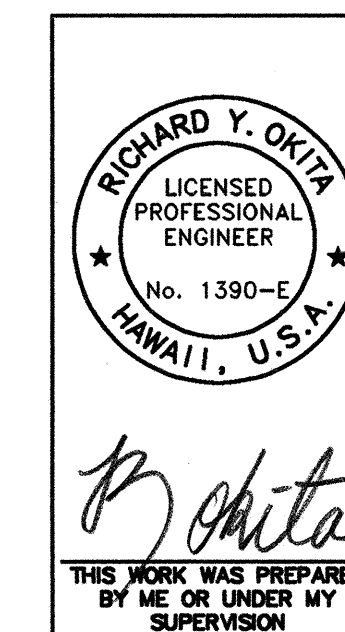
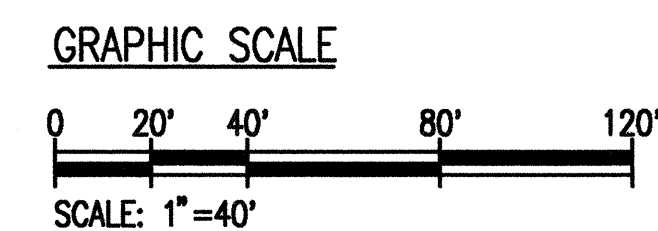
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	59	64



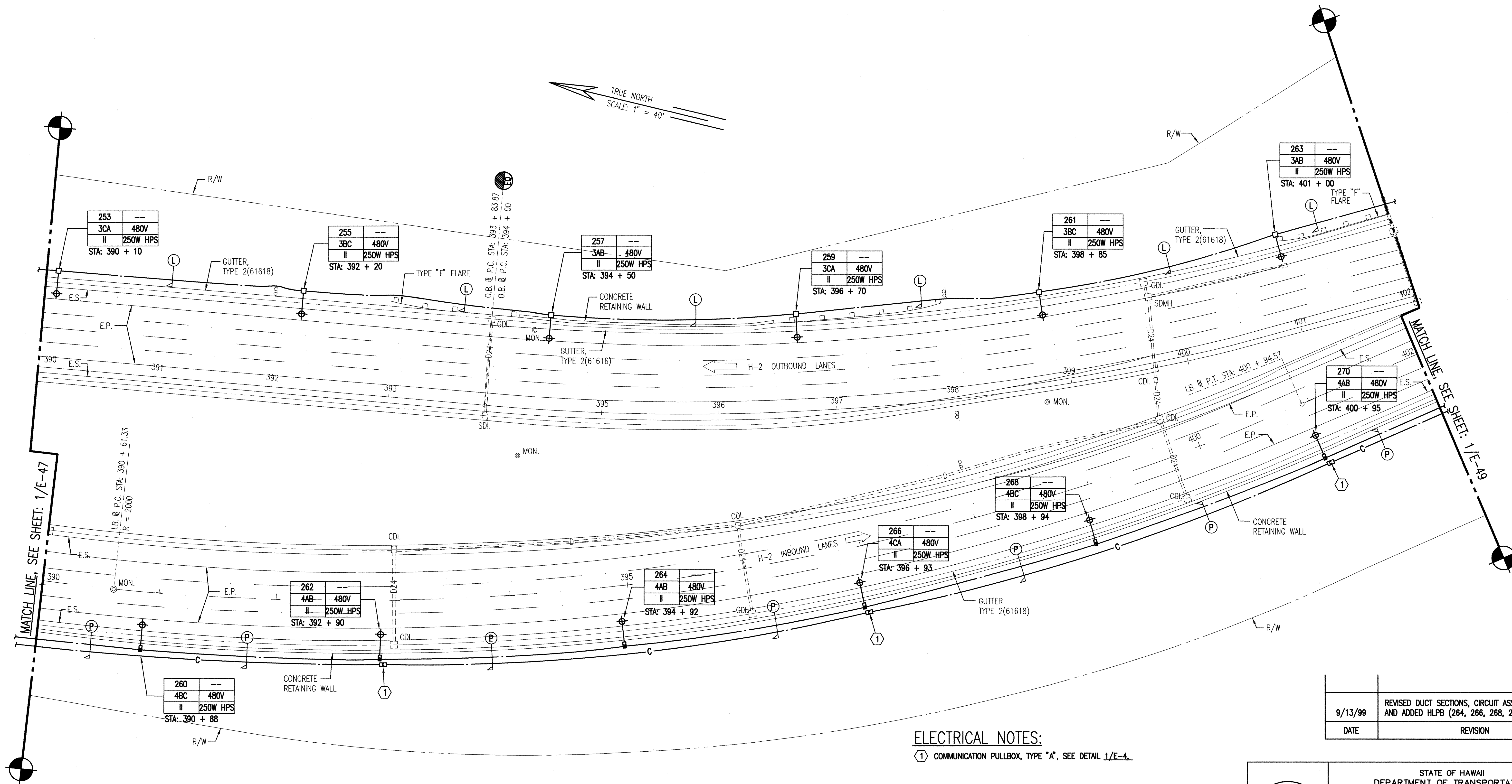
ELECTRICAL NOTES:
 (1) COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.

1 PARTIAL LIGHTING PLAN - STATION 378+00 TO 390+00
 E-47 SCALE: 1" = 40'



STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN -
STATION 378+00 TO STATION 390+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. 47 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	60	64

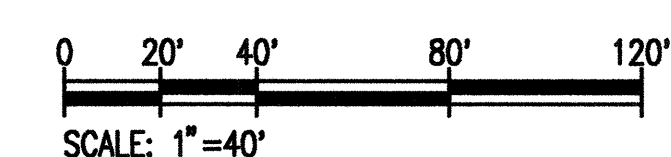


ELECTRICAL NOTES:

① COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.

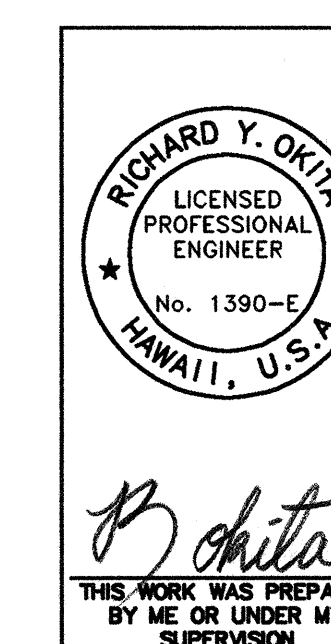
1 PARTIAL LIGHTING PLAN - STATION 390+00 TO 402+00
E-48 SCALE: 1" = 40'

GRAPHIC SCALE



9/13/99	REVISED DUCT SECTIONS, CIRCUIT ASSIGNMENT, AND ADDED HLPB (264, 266, 268, 270)
DATE	REVISION

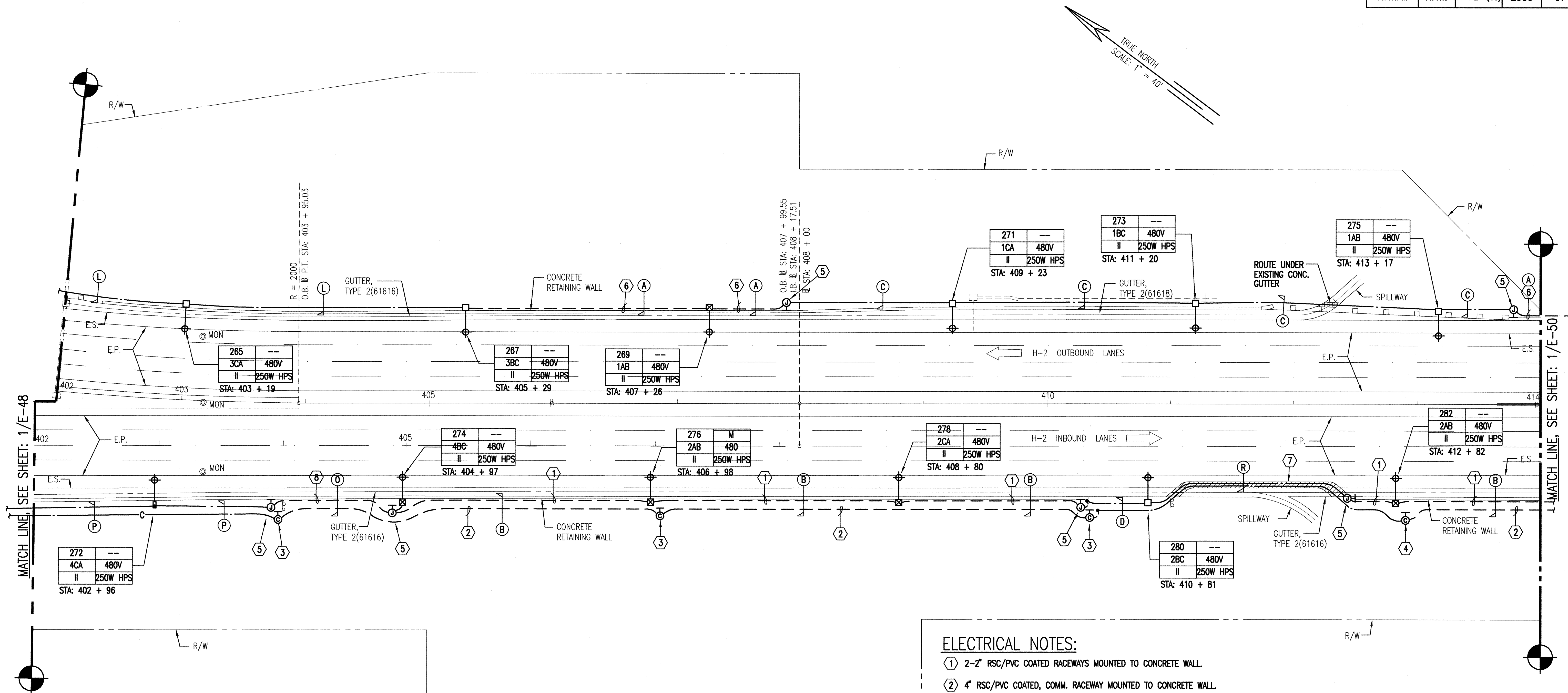
E-48



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN -
STATION 390+00 TO STATION 402+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. 48 OF 52 SHEETS

ADD . 60

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	61	64



ELECTRICAL NOTES:

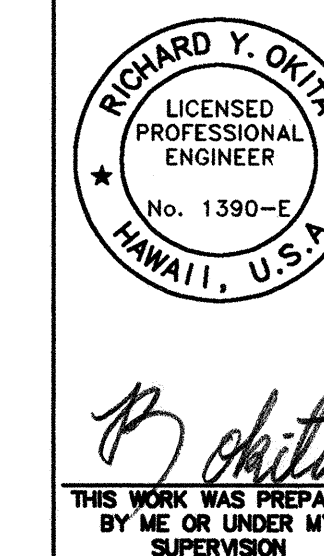
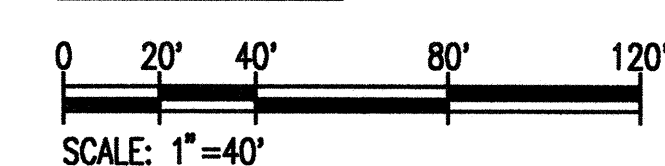
- ① 2-2" RSC/PVC COATED RACEWAYS MOUNTED TO CONCRETE WALL.
- ② 4" RSC/PVC COATED, COMM. RACEWAY MOUNTED TO CONCRETE WALL.
- ③ COMMUNICATION JUNCTION BOX, 12" x 12" x 8"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE WALL.
- ④ COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.
- ⑤ HIGHWAY LIGHT JUNCTION BOX, 12" x 12" x 6"D, NEMA 4X, STAINLESS STEEL, MOUNTED TO CONCRETE WALL.
- ⑥ 1-2" RSC/PVC COATED RACEWAY MOUNTED TO CONCRETE WALL.
- ⑦ SAWCUT EXISTING A.C. PAVEMENT AND INSTALL NEW RACEWAYS. PATCH TO MATCH EXISTING CONDITION.
- ⑧ 3-2" RSC/PVC COATED RACEWAY MOUNTED TO CONCRETE WALL.

9/13/99	REVISED DUCT SECTIONS, CIRCUIT ASSIGNMENT, AND ADDED HLPB (272)
DATE	REVISION

E-49

1 PARTIAL LIGHTING PLAN - STATION 402+00 TO 414+00
E-49 SCALE: 1" = 40'

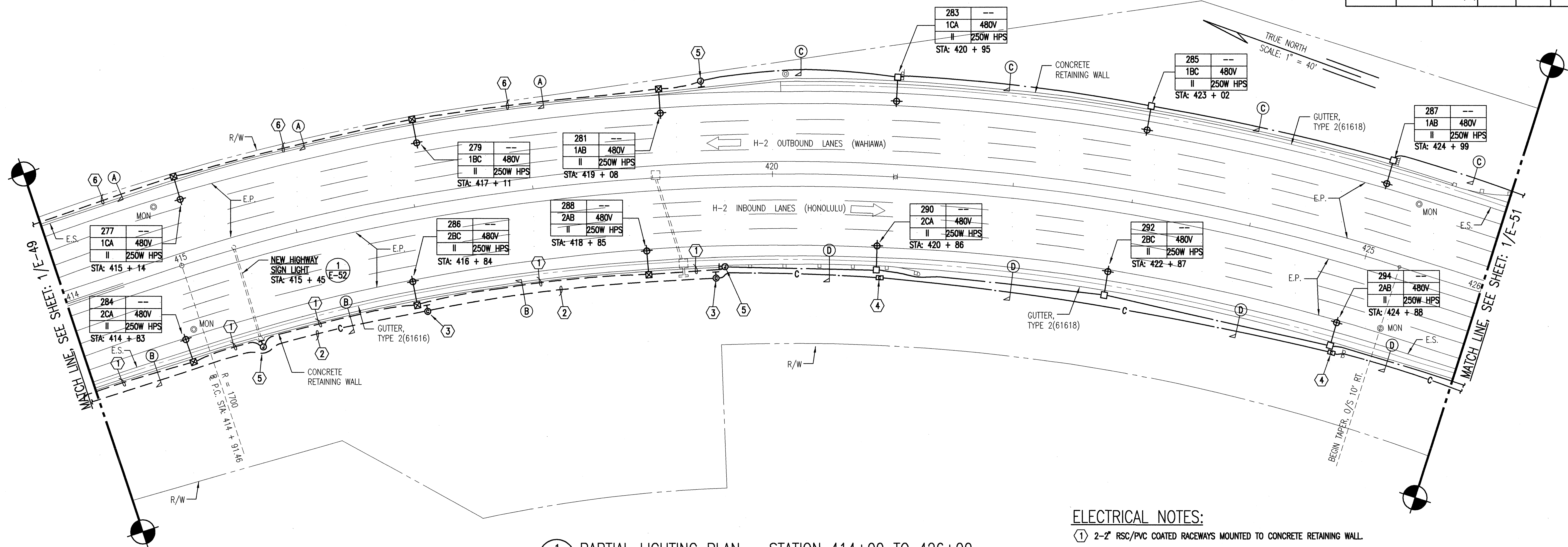
GRAPHIC SCALE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN -
STATION 402+00 TO STATION 414+00
INTERSTATE ROUTE H-2
LEILEHUA INTERCHANGE TO WAIAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 49 OF 52 SHEETS

ADD . 61

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	62	64

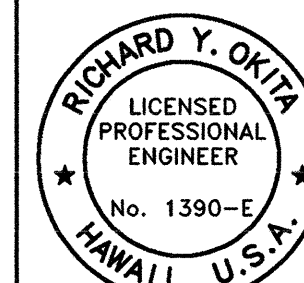


1 PARTIAL LIGHTING PLAN - STATION 414+00 TO 426+00
E-50 SCALE: 1" = 40'

ELECTRICAL NOTES:

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

GRAPHIC SCALE

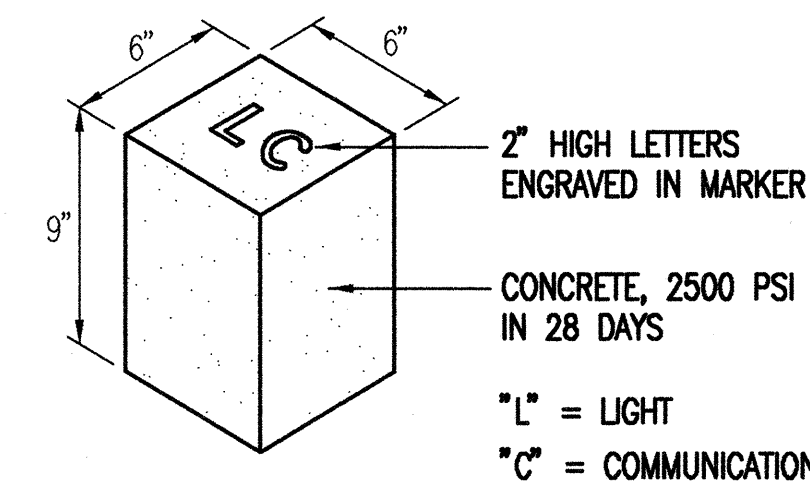


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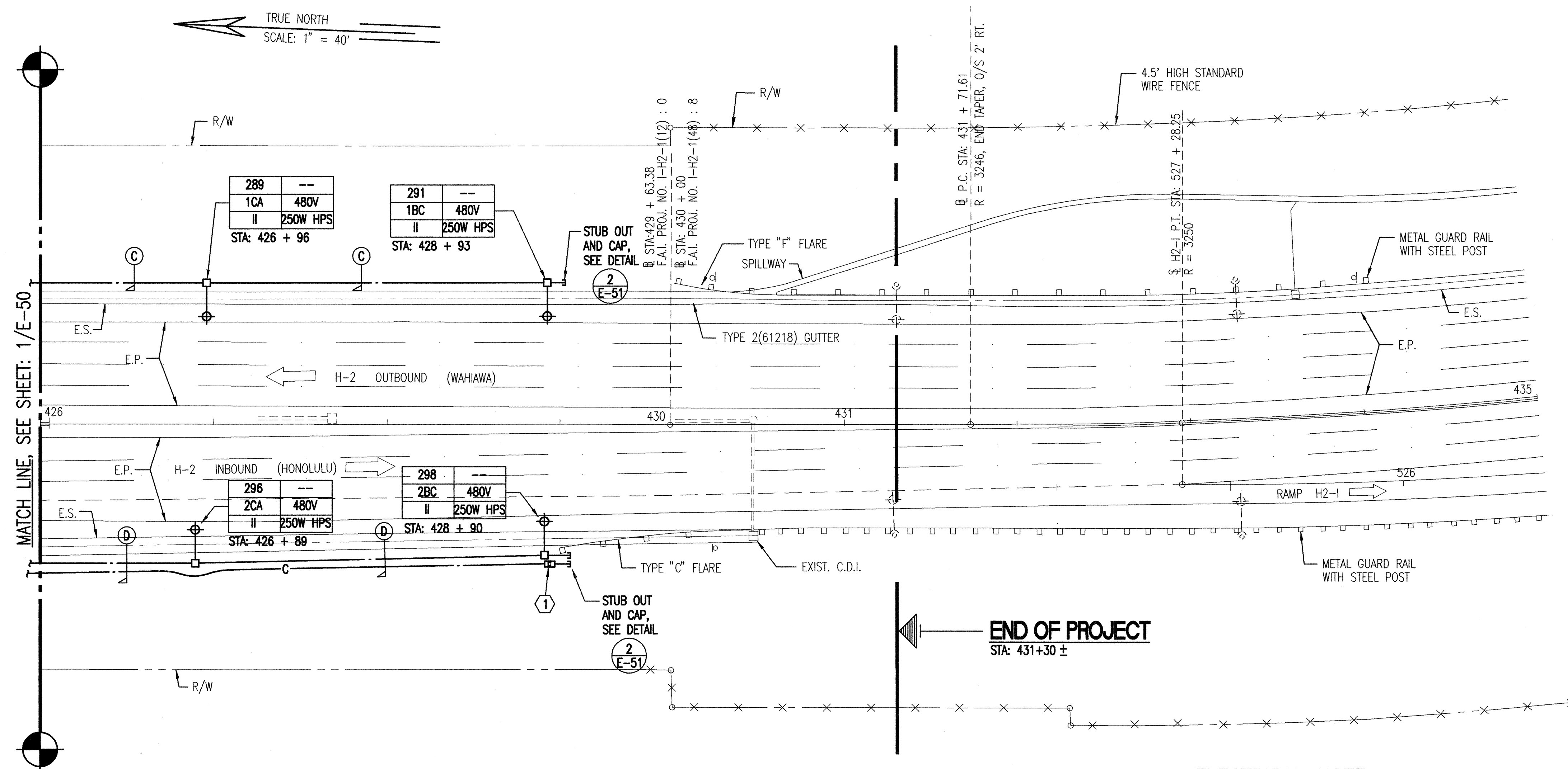
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PARTIAL LIGHTING PLAN -
STATION 414+00 TO 426+00
INTERSTATE ROUTE H-2
INSTALLATION OF HIGHWAY LIGHTING
LEILEHUA INTERCHANGE TO WAIKAWA INTERCHANGE
F.A. PROJECT NO. IM-H2-1(30)
SCALE: AS SHOWN DATE: AUGUST 1999
SHEET No. 50 OF 52 SHEETS

E-50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H2-1(30)	2000	63	64



2
E-51 DUCT STUB-OUT MARKER
NOT TO SCALE



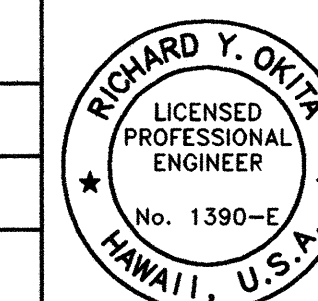
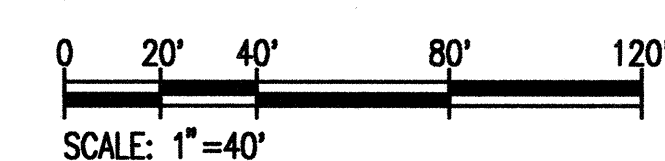
1
E-51 PARTIAL LIGHTING PLAN - STATION 426+00 TO STATION 435+00
SCALE: 1" = 40'

ELECTRICAL NOTES:

(1) COMMUNICATION PULLBOX, TYPE "A", SEE DETAIL 1/E-4.

9/13/99	ADDED STUB-OUT MARKER DETAIL
DATE	REVISION

GRAPHIC SCALE



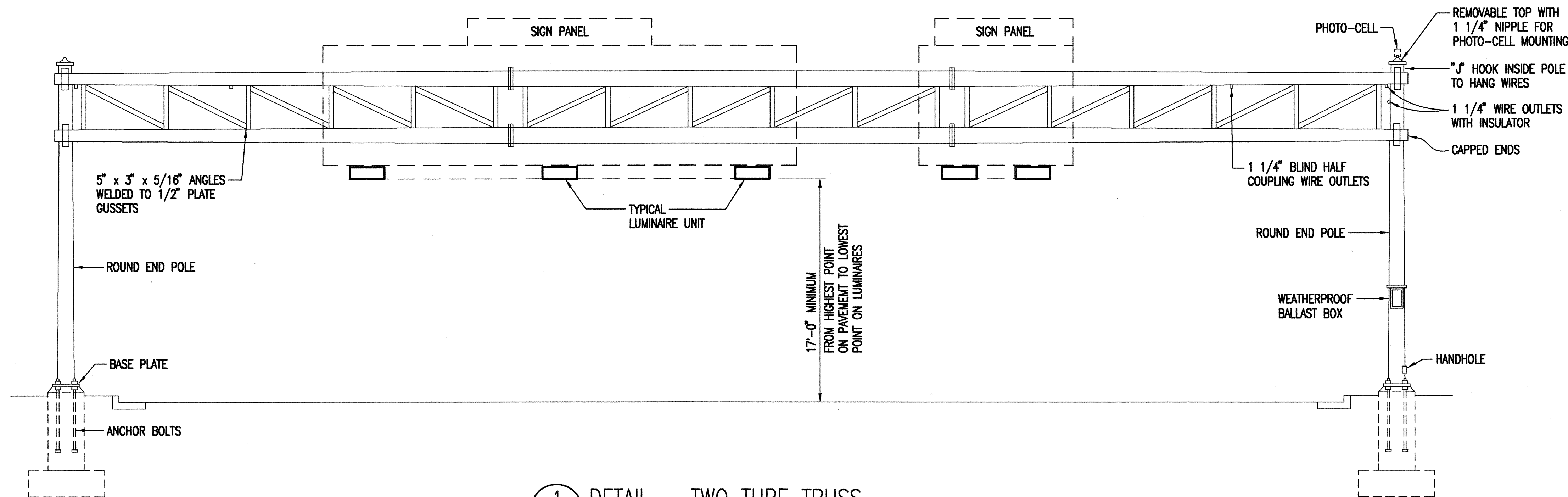
R. Ohta
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SUPERVISION

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PARTIAL LIGHTING PLAN - STATION 426+00 TO STATION 435+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. 51 OF 52 SHEETS
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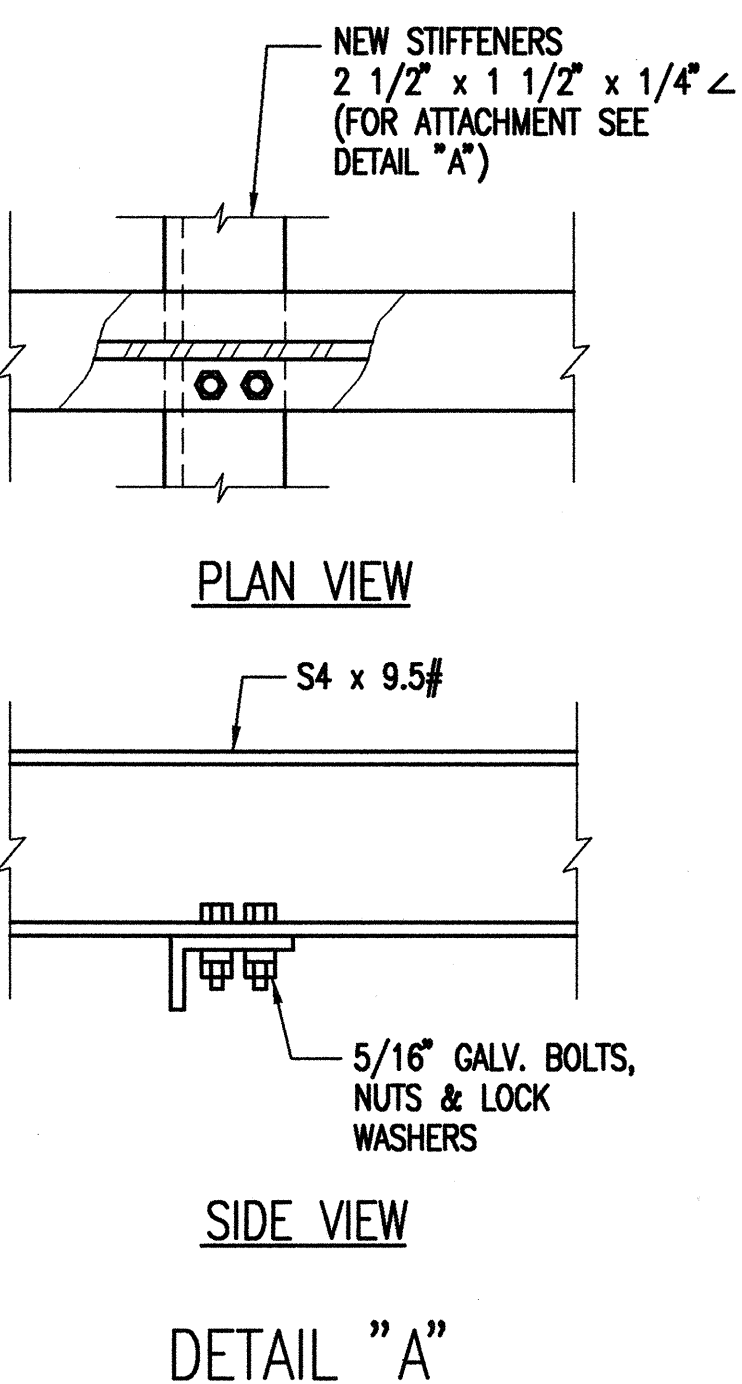
E-51

ADD . 63

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



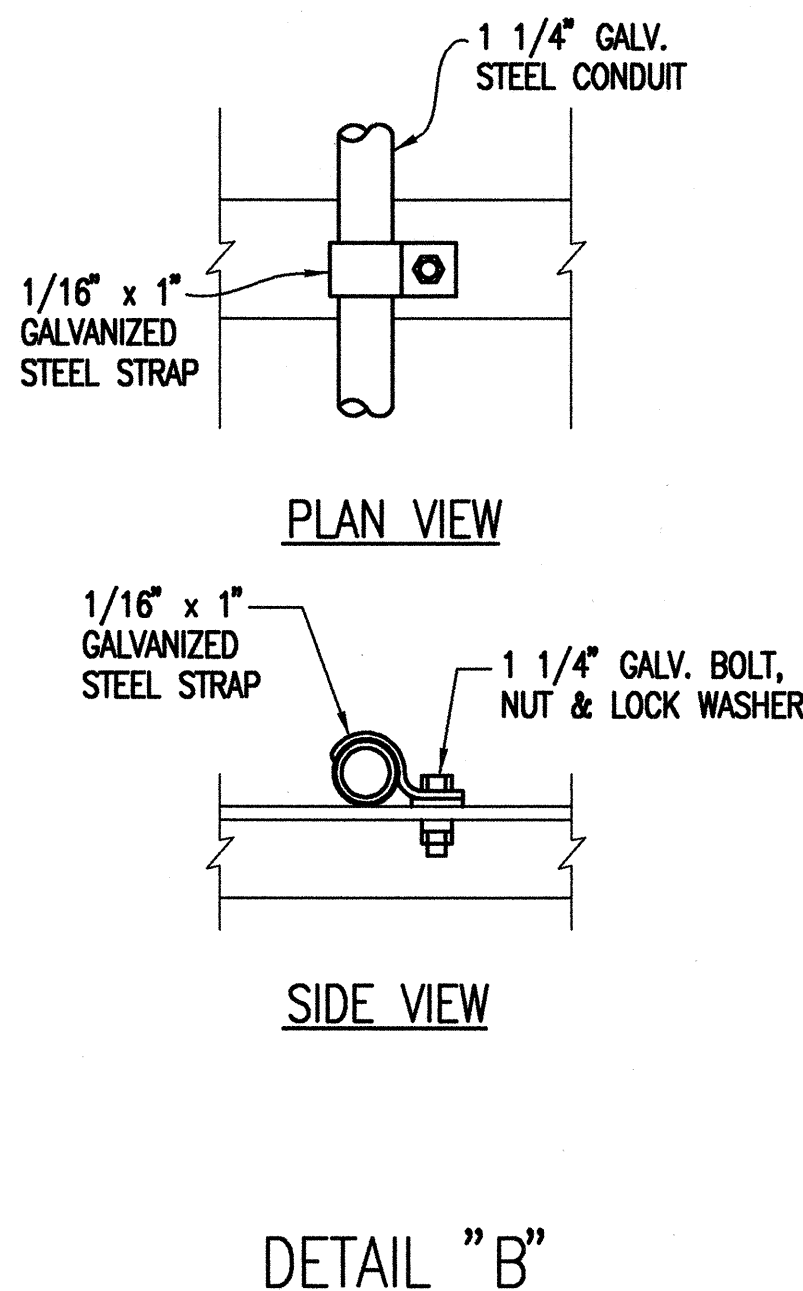
1 DETAIL - TWO TUBE TRUSS
E-52 SCALE: 3/16" = 1'-0"



PLAN VIEW

SIDE VIEW

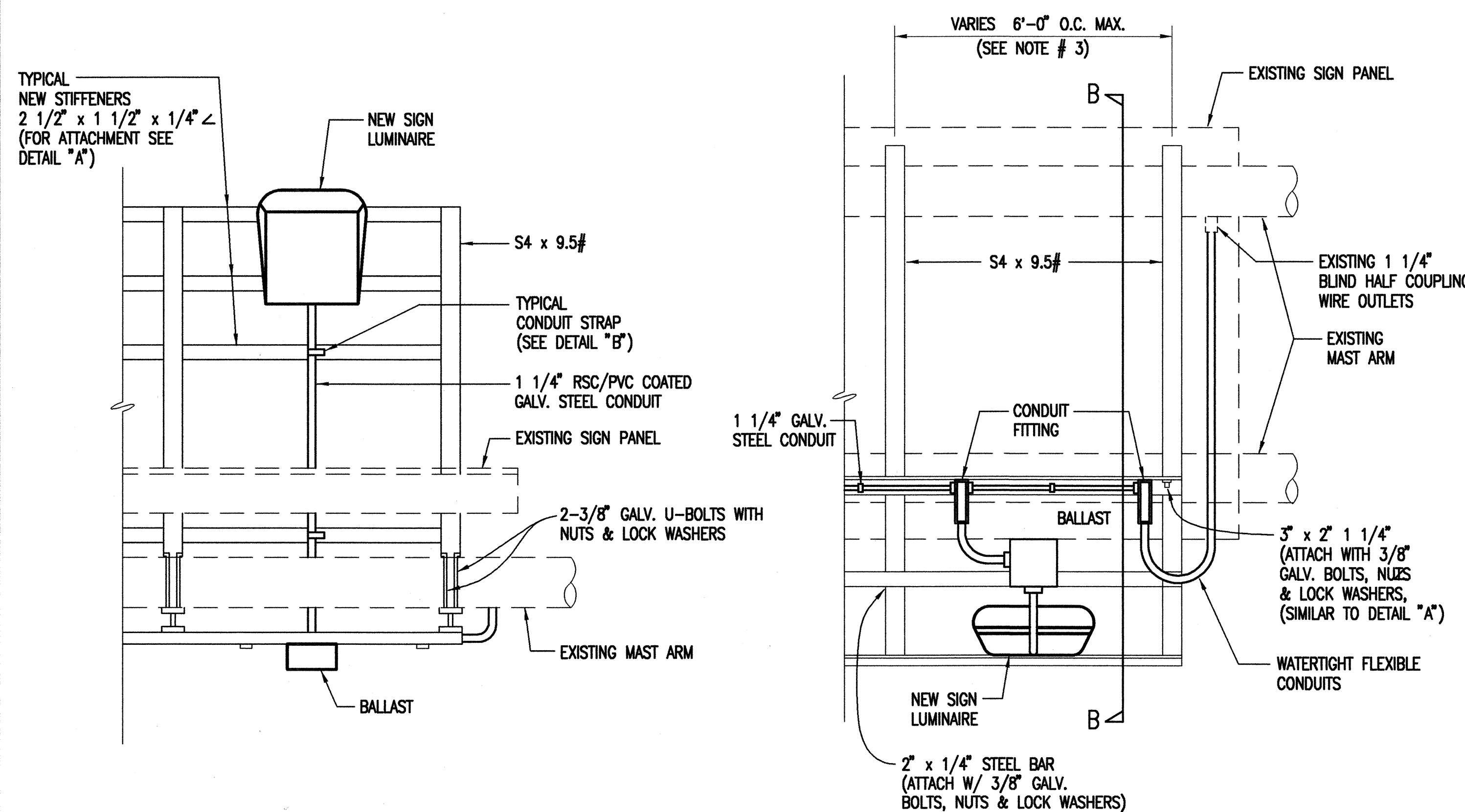
DETAIL "A"



PLAN VIEW

SIDE VIEW

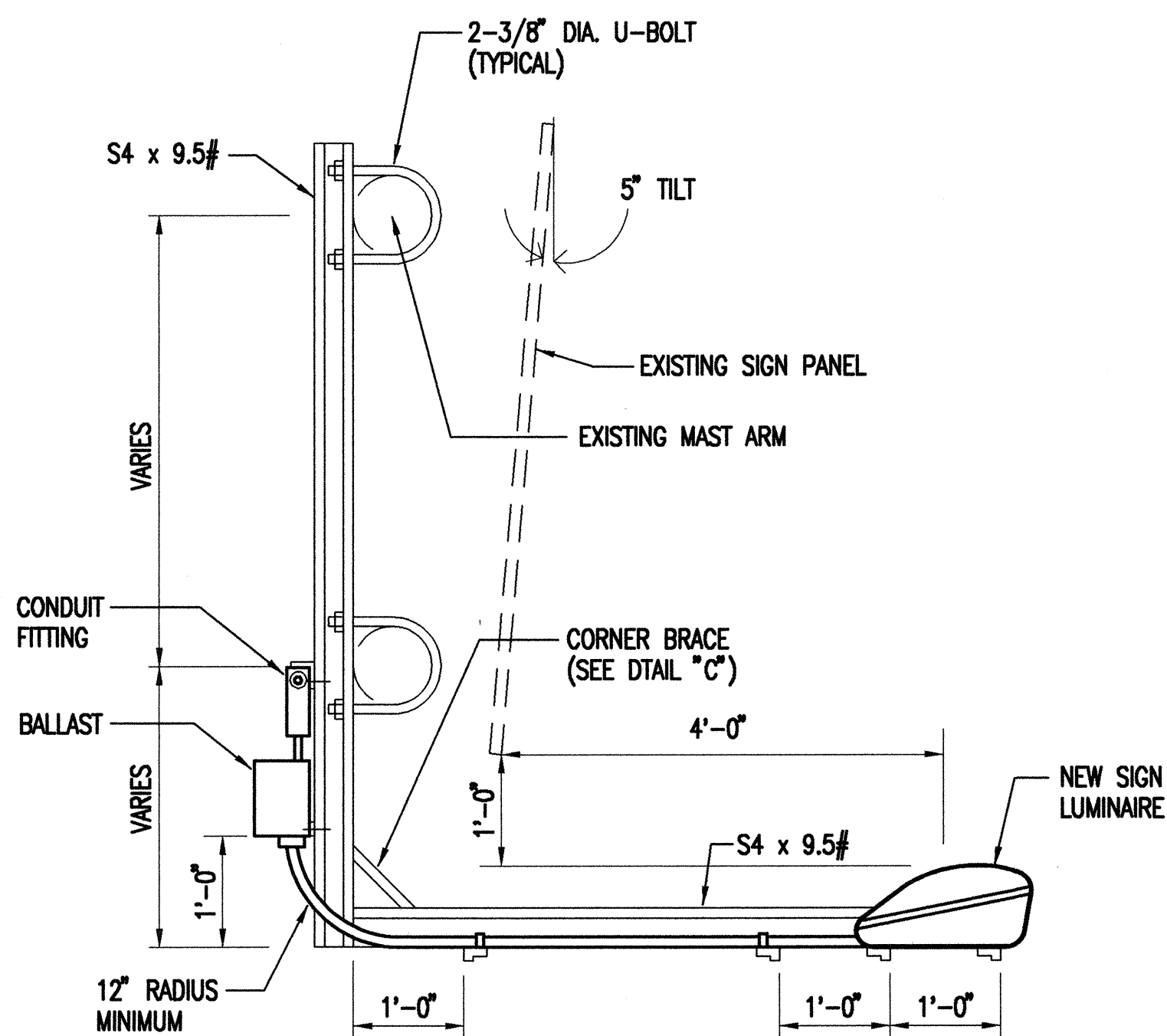
DETAIL "B"



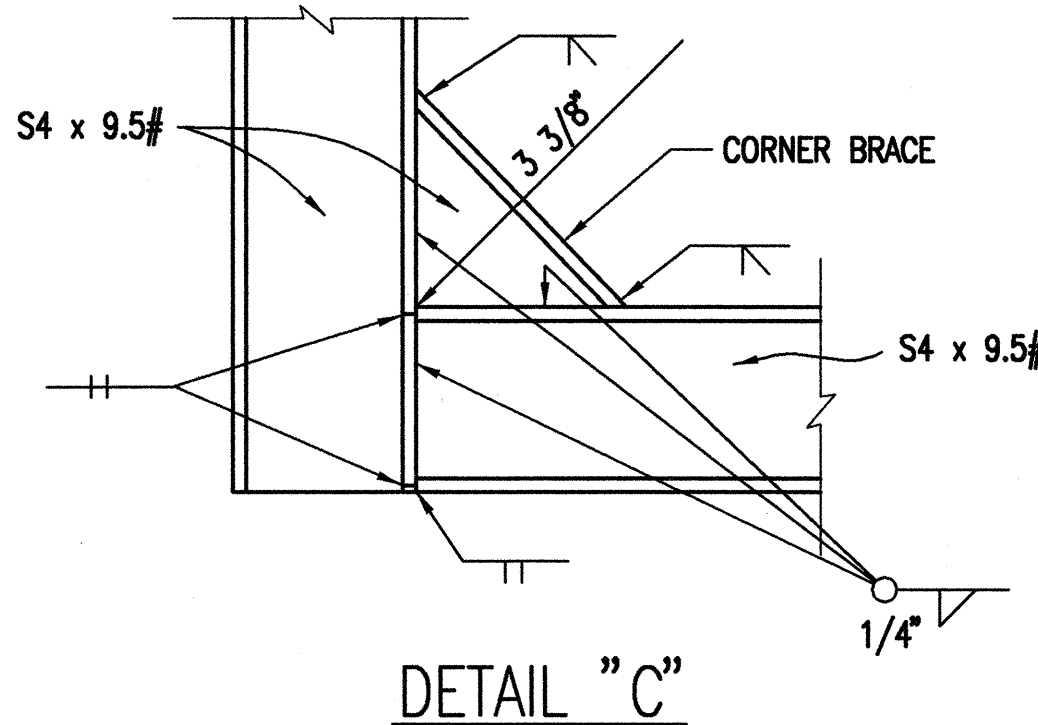
PLAN VIEW

REAR VIEW

2 DETAIL - SIGN LIGHT FIXTURE MOUNTING
E-52 SCALE: 3/4" = 1'-0"

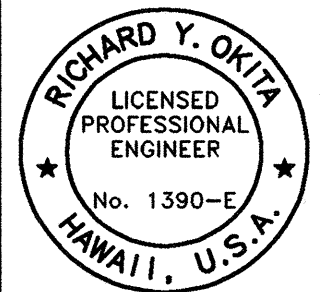


SECTION "B-B"



DETAIL "C"

- GENERAL NOTES:**
- ALL PARTS OF THE LUMINAIRE MOUNTING SHALL BE HOT-DIP GALVANIZED PRIME COATED WITH A SUITABLE PRIMER AND PAINTED WITH THREE COATS OF DARK GREEN ENAMEL.
 - LUMINAIRE MOUNTING SHALL BE ADJUSTED AS RECOMMENDED BY THE MANUFACTURER TO PROVIDE OPTIMUM SIGN ILLUMINATION.
 - THE CONTRACTOR SHALL INSURE THAT THE LUMINAIRE SUPPORTS DO NOT CONFLICT WITH THE SIGN SUPPORTS (SEE SUPPORT SPACING TABLES ON STANDARD PLAN IE-25 AND IE-26). FINAL SPACING SHALL BE APPROVED BY THE ENGINEER.
 - THE CONTRACTOR SHALL DETERMINE THE AMOUNT AND SPACING OF LUMINAIRES PER SIGN AND ACCORDANCE WITH LUMINAIRE MANUFACTURER'S INSTRUCTIONS. SUBJECT TO APPROVAL BY THE THE ENGINEER. THE MAXIMUM SPACING SHALL BE 10 FEET ON CENTERS AND THE MAXIMUM HEIGHT AND WIDTH ILLUMINATED BY A SINGLE LUMINAIRE SHALL BE 10 FEET, RESPECTIVELY.



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

SIGN LIGHTING 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. 52 OF 52 SHEETS