

SHEET NO. SHEET TITLE

GENERAL

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20	GT-5	BORING LOGS NO. 7,8,9
21	GT-6	BORING LOGS NO. 10,11,12
22	GT-7	BORING LOGS NO. 13,14,15
23	GT-8	BORING LOGS NO. 16,17,18
24	GT-9	BORING LOGS NO. 19,20,21
25	GT-10	BORING LOGS NO. 22,23,24
26	GT-11	BORING LOGS NO. 25,26
27	GT-12	BORING LOGS NO. 27,28,29
28	GT-13	BORING LOGS NO. 30,31,32
29	GT-14	BORING LOGS NO. 33,34,35
30	GT-15	BORING LOGS NO. 36,37,38
31	GT-16	BORING LOGS NO. 39,40,41
32	GT-17	BORING LOGS NO. 42,43,44
33	GT-18	BORING LOGS NO. 45,46,47
34	GT-19	BORING LOGS NO. 48,49,50
35	GT-20	BORING LOGS NO. 51,52,53
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39	GT-24	BORING LOGS NO. 63
40	GT-25	BORING LOGS NO. 64,65,66
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CIVIL

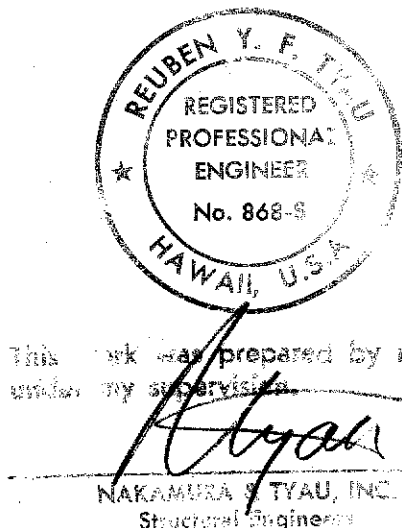
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58	C-17	PROFILE STA. 534+58.29 TO STA. 546+00
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60	C-19	PROFILE STA. 556+00 TO STA. 567+00
61	C-20	PROFILE STA. 567+00 TO STA. 578+00
62	C-21	PROFILE STA. 578+00 TO STA. 589+00
63	C-22	PROFILE STA. 589+00 TO STA. 600+00
64	C-23	GRADING/DRAIN PLAN, D.B. STA. 534+58.29 TO 539+80
65	C-24	ABUTMENT GRP LAYOUT PLAN
66	C-25	DECK GRADES/DRAIN PLAN, I.B. STA. 534+22.93 TO 546+00
67	C-26	DECK GRADES/DRAIN PLAN, I.B. STA. 546+00 TO 557+00
68	C-27	DECK GRADES/DRAIN PLAN, I.B. STA. 557+00 TO 568+00
69	C-28	DECK GRADES/DRAIN PLAN, I.B. STA. 568+00 TO 579+00
70	C-29	DECK GRADES/DRAIN PLAN, I.B. STA. 579+00 TO 590+00
71	C-30	DECK GRADES/DRAIN PLAN, I.B. STA. 590+00 TO 599+95
72	C-31	DECK GRADES/DRAIN PLAN, D.B. STA. 534+58.29 TO 546+00
73	C-32	DECK GRADES/DRAIN PLAN, D.B. STA. 546+00 TO 557+00
74	C-33	DECK GRADES/DRAIN PLAN, D.B. STA. 557+00 TO 568+00
75	C-34	DECK GRADES/DRAIN PLAN, D.B. STA. 568+00 TO 579+00
76	C-35	DECK GRADES/DRAIN PLAN, D.B. STA. 579+00 TO 590+00
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78	C-37	DRAIN DETAILS
79	C-38	DRAIN DETAILS
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81	C-40	DRAIN DETAILS
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83	C-42	PAVT. STRIP 'G/MARK 'G PLAN - I.B. STA. 546+00 TO I.B. STA. 557+00
84	C-43	PAVT. STRIP 'G/MARK 'G PLAN - I.B. STA. 557+00 TO I.B. STA. 568+00
85	C-44	PAVT. STRIP 'G/MARK 'G PLAN - I.B. STA. 568+00 TO I.B. STA. 579+00
86	C-45	PAVT. STRIP 'G/MARK 'G PLAN - I.B. STA. 579+00 TO I.B. STA. 590+00
87	C-46	PAVT. STRIP 'G/MARK 'G PLAN - I.B. STA. 590+00 TO I.B. STA. 599+95
88	C-47	PAVT. STRIP 'G/MARK 'G PLAN - D.B. STA. 534+22.93 TO D.B. STA. 546+00
89	C-48	PAVT. STRIP 'G/MARK 'G PLAN - D.B. STA. 546+00 TO D.B. STA. 557+00
90	C-49	PAVT. STRIP 'G/MARK 'G PLAN - D.B. STA. 557+00 TO D.B. STA. 568+00
91	C-50	PAVT. STRIP 'G/MARK 'G PLAN - D.B. STA. 568+00 TO D.B. STA. 579+00
92	C-51	PAVT. STRIP 'G/MARK 'G PLAN - D.B. STA. 579+00 TO D.B. STA. 590+00
93	C-52	PAVT. STRIP 'G/MARK 'G PLAN - D.B. STA. 590+00 TO D.B. STA. 594+60
94	C-53	GENERAL PLAN - ACCESS ROAD REALIGNMENT
95	C-54	GENERAL PLAN - ACCESS ROAD REALIGNMENT
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95S-2	C-54B	ACCESS ROAD REALIGNMENT - SIGNING/STRIPE PLAN
96	C-55	TYPICAL ACCESS ROAD SECTIONS
97	C-56	TYPICAL ACCESS ROAD SECTIONS
98	C-57	TYPICAL ACCESS ROAD BRIDGE WIDENING DETAILS
99	C-58	TYPICAL ACCESS ROAD DETAILS
100	C-59	TYPICAL ACCESS ROAD DETAILS
100S-1	C-59A	GEOMETRICS PLAN - ROAD 'A' STA. 0+00 TO STA. 5+91.04
100S-2	C-59B	DEMOLITION, GRADING, AND DRAINAGE PLAN - ROAD 'A' STA. 0.00 TO STA. 5+91.04
100S-3	C-59C	PROFILE ROAD 'A' STA. 0+00 TO STA. 5+91.04
100S-4	C-59D	CROSS SECTIONS - ROAD 'A' STA. (-)0+01 TO STA. 1+00
100S-5	C-59E	CROSS SECTIONS - ROAD 'A' STA. 1+10 TO STA. 2+00
100S-6	C-59F	CROSS SECTIONS - ROAD 'A' STA. 2+50 TO STA. 3+50
100S-7	C-59G	CROSS SECTIONS - ROAD 'A' STA. 4+00 TO STA. 5+00
100S-8	C-59H	CROSS SECTIONS - ROAD 'A' STA. 5+15 TO STA. 5+91.04
101	C-60	PLAN - ACCESS ROAD REALIGNMENT, ROAD 'A'
102	C-61	PROFILE - ACCESS ROAD REALIGNMENT, ROAD 'A'
103	C-62	PLAN - ACCESS ROAD REALIGNMENT, ROAD 'B'
104	C-63	PROFILE - ACCESS ROAD REALIGNMENT, ROAD 'B'
105	C-64	PLAN - ACCESS ROAD REALIGNMENT, ROAD 'C'
106	C-65	PROFILE - ACCESS ROAD REALIGNMENT, ROAD 'C'
107	C-66	PLAN - ACCESS ROAD REALIGNMENT, ROAD 'D'
108	C-67	PROFILE - ACCESS ROAD REALIGNMENT, ROAD 'D'
109	C-68	PLAN - ACCESS ROAD REALIGNMENT, ROAD 'E'
110	C-69	PROFILE - ACCESS ROAD REALIGNMENT, ROAD 'E'
111	C-70	PROFILE - ACCESS ROAD REALIGNMENT, ROAD 'E'
112	C-71	PROFILE - ACCESS ROAD REALIGNMENT, ROAD 'E'
113	C-72	PLAN - ACCESS ROAD REALIGNMENT, ROAD 'F1'
114	C-73	PROFILE - ACCESS ROAD REALIGNMENT, ROAD 'F1'
115	C-74	PLAN - ACCESS ROAD REALIGNMENT, ROAD 'F2'
116	C-75	PROFILE - ACCESS ROAD REALIGNMENT, ROAD 'F2'
117	C-76	ROAD 'A' - CROSS SECTIONS
118	C-77	ROAD 'A' - CROSS SECTIONS
119	C-78	ROAD 'A' - CROSS SECTIONS
120	C-79	ROAD 'B' - CROSS SECTIONS
121	C-80	ROAD 'B' - CROSS SECTIONS
122	C-81	ROAD 'B' - CROSS SECTIONS
123	C-82	ROAD 'C' - CROSS SECTIONS
124	C-83	ROAD 'D' - CROSS SECTIONS
125	C-84	ROAD 'D' - CROSS SECTIONS
126	C-85	ROAD 'E' - CROSS SECTIONS
127	C-86	ROAD 'E' - CROSS SECTIONS
128	C-87	ROAD 'E' - CROSS SECTIONS
129	C-88	ROAD 'F-1' - CROSS SECTIONS
130	C-89	ROAD 'F-1' - CROSS SECTIONS
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132	C-91	ROAD 'F-2' - CROSS SECTIONS
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134	C-93	GENERAL PLAN STREAM IMPROVEMENTS
135	C-94	DRAINAGE SUMMARY - 1
136	C-95	PLAN & PROFILE STREAM NH-1
137	C-96	PLAN & PROFILE STREAM NH-1
138	C-97	PLAN & PROFILE STREAM NH-2
139	C-98	PLAN & PROFILE STREAM NH-3
140	C-99	PLAN & PROFILE STREAM NH-3
141	C-100	PLAN & PROFILE STREAM NH-4
142	C-101	PLAN & PROFILE STREAM NH-5
143	C-102	PLAN & PROFILE STREAM NH-6 & NH-9
144	C-103	PLAN & PROFILE STREAM NH-7 & NH-9
145	C-104	PLAN & PROFILE STREAM NH-10
146	C-105	PLAN & PROFILE STREAM NH-11 & NH-12
147	C-106	DRAIN & WALL PROFILES
148	C-107	TYPICAL SECTIONS TYPE 'A' & 'B' CHANNELS
149	C-108	TYPICAL SECTIONS TYPE 'C' & 'D' CHANNELS
150	C-109	TYPICAL SECTIONS TYPE 'E' & SUPERELEVATED CHANNELS
151	C-110	TYPICAL DETAILS CUTOFF WALL & RAISED SILL
152	C-111	TYPICAL SECTIONS TYPE 'F' & 'G' CHANNELS
153	C-112	CHANNEL TRANSITION DETAILS

154	C-113	GRADING PLAN - D.B. STA. 539+80 TO D.B. STA. 543+00
155	C-114	GRADING PLAN - D.B. STA. 543+00 TO D.B. STA. 548+00
156	C-115	GRADING PLAN - D.B. STA. 548+00 TO D.B. STA. 554+10
157	C-116	GRADING PLAN - D.B. STA. 554+10 TO D.B. STA. 559+50
158	C-117	GRADING PLAN - D.B. STA. 559+50 TO D.B. STA. 565+90
159	C-118	GRADING PLAN - D.B. STA. 565+90 TO D.B. STA. 571+90
160	C-119	GRADING PLAN - D.B. STA. 571+90 TO D.B. STA. 577+00
161	C-120	GRADING PLAN - D.B. STA. 577+00 TO D.B. STA. 583+30
162	C-121	GRADING PLAN - D.B. STA. 583+30 TO D.B. STA. 589+50
163	C-122	GRADING PLAN - I.B. STA. 589+50 TO I.B. STA. 595+00
164	C-123	GRADING PLAN - I.B. STA. 595+00 TO I.B. STA. 599+95
165	C-124	GRADING DETAILS
166	C-125	CROSS SECTIONS STREAM NH-1
167	C-126	CROSS SECTIONS STREAM NH-1
168	C-127	CROSS SECTIONS STREAM NH-1
169	C-128	CROSS SECTIONS STREAM NH-2
170	C-129	CROSS SECTIONS STREAM NH-3
171	C-130	CROSS SECTIONS STREAM NH-3
172	C-131	CROSS SECTIONS STREAM NH-3
173	C-132	CROSS SECTIONS STREAM NH-4
174	C-133	CROSS SECTIONS STREAM NH-5
175	C-134	CROSS SECTIONS STREAM NH-5
176	C-135	CROSS SECTIONS STREAM NH-6
177	C-136	CROSS SECTIONS STREAM NH-7
178	C-137	CROSS SECTIONS STREAM NH-8
179	C-138	CROSS SECTIONS STREAM NH-9
180	C-139	CROSS SECTIONS STREAM NH-10
181	C-140	CROSS SECTIONS STREAM NH-10
182	C-141	CROSS SECTIONS STREAM NH-11
183	C-142	CROSS SECTIONS STREAM NH-12
184	C-143	CROSS SECTIONS - HIGHWAY D.B. STA. 534+58.24 TO D.B. STA. 534+75.00
185	C-144	CROSS SECTIONS - HIGHWAY D.B. STA. 535+00.00 TO D.B. STA. 535+25.00
186	C-145	CROSS SECTIONS - HIGHWAY D.B. STA. 535+50.00 TO D.B. STA. 535+75.00
187	C-146	CROSS SECTIONS - HIGHWAY D.B. STA. 536+00.00 TO D.B. STA. 536+25.00
188	C-147	CROSS SECTIONS - HIGHWAY D.B. STA. 536+50.00 TO D.B. STA. 536+75.00
189	C-148	CROSS SECTIONS - HIGHWAY D.B. STA. 537+00.00 TO D.B. STA. 537+25.00
190	C-149	CROSS SECTIONS - HIGHWAY D.B. STA. 537+50.00 TO D.B. STA. 537+75.00
191	C-150	CROSS SECTIONS - HIGHWAY D.B. STA. 538+00.00 TO D.B. STA. 538+25.00
192	C-151	CROSS SECTIONS - HIGHWAY D.B. STA. 538+50.00 TO D.B. STA. 538+75.00
193	C-152	CROSS SECTIONS - HIGHWAY D.B. STA. 539+00.00 TO D.B. STA. 539+25.00
194	C-153	CROSS SECTIONS - HIGHWAY D.B. STA. 539+50.00 TO D.B. STA. 539+75.00
195	C-154	CROSS SECTIONS - HIGHWAY D.B. STA. 539+80.00
196	C-155	CROSS SECTIONS - HIGHWAY D.B. STA. 540+00 TO D.B. STA. 541+80
197	C-156	CROSS SECTIONS - HIGHWAY I.B. STA. 542+10 TO I.B. STA. 542+40
198	C-157	CROSS SECTIONS - HIGHWAY I.B. STA. 542+70
199	C-158	CROSS SECTIONS - HIGHWAY D.B. STA. 544+80 TO D.B. STA. 545+00
200	C-159	CROSS SECTIONS - HIGHWAY D.B. STA. 545+50 TO D.B. STA. 545+94
201	C-160	CROSS SECTIONS - HIGHWAY D.B. STA. 546+50 TO D.B. STA. 547+00
202	C-161	CROSS SECTIONS - HIGHWAY D.B. STA. 548+40 TO D.B. STA. 548+80
203	C-162	CROSS SECTIONS - HIGHWAY I.B. STA. 549+30 TO I.B. STA. 549+80
204	C-163	CROSS SECTIONS - HIGHWAY D.B. STA. 550+50
205	C-164	CROSS SECTIONS - HIGHWAY D.B. STA. 551+60 TO D.B. STA. 554+60
206	C-165	CROSS SECTIONS - HIGHWAY I.B. STA. 556+10 & D.B. STA. 556+70
207	C-166	CROSS SECTIONS - HIGHWAY D.B. STA. 557+00 TO D.B. STA. 557+50
208	C-167	CROSS SECTIONS - HIGHWAY I.B. STA. 558+00 TO I.B. STA. 558+20
209	C-168	CROSS SECTIONS - HIGHWAY D.B. STA. 559+20 TO D.B. STA. 559+50
210	C-169	CROSS SECTIONS - HIGHWAY D.B. STA. 560+00 & I.B. STA. 560+20
211	C-170	CROSS SECTIONS - HIGHWAY D.B. STA. 562+80 TO D.B. STA. 563+50
212	C-171	CROSS SECTIONS - HIGHWAY I.B. STA. 563+80 & D.B. STA. 566+40
213	C-172	CROSS SECTIONS - HIGHWAY D.B. STA. 567+00 & I.B. STA. 567+20
214	C-173	CROSS SECTIONS - HIGHWAY D.B. STA. 570+00 & I.B. STA. 570+40
215	C-174	CROSS SECTIONS - HIGHWAY I.B. STA. 571+00 TO I.B. STA. 571+50
216	C-175	CROSS SECTIONS - HIGHWAY D.B. STA. 573+40
217	C-176	CROSS SECTIONS - HIGHWAY D.B. STA. 574+00 TO D.B. STA. 574+50
218	C-177	CROSS SECTIONS - HIGHWAY D.B. STA. 575+00 TO D.B. STA. 575+60
219	C-178	CROSS SECTIONS - HIGHWAY I.B. STA. 576+00 & D.B. STA. 577+80
220	C-179	CROSS SECTIONS - HIGHWAY I.B. STA. 578+50 TO I.B. STA. 579+00

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(71)	1991	ADD.2	618

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



8/14/91
ADDED SHTS. 100S-1 THRU 100S-8
ADDED SHTS. 95S-1, 95S-2

DATE REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIST OF DRAWINGS - 1

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. 1-H3-1 (71)

SCALE: DATE:

SHEET No. G2 OF 6 SHEETS

ADD.2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(71)	1991	3	618

SHEET NO. SHEET TITLE

CIVIL (CON'T)

221	C-180	CROSS SECTIONS - HIGHWAY D.B. STA. 581+20 TO D.B. STA. 581+50
222	C-181	CROSS SECTIONS - HIGHWAY D.B. STA. 582+00
223	C-182	CROSS SECTIONS - HIGHWAY I.B. STA. 582+50 TO I.B. STA. 583+00
224	C-183	CROSS SECTIONS - HIGHWAY D.B. STA. 584+80
225	C-184	CROSS SECTIONS - HIGHWAY I.B. STA. 585+50 TO I.B. STA. 586+00
226	C-185	CROSS SECTIONS - HIGHWAY D.B. STA. 588+00 TO D.B. STA. 588+40
227	C-186	CROSS SECTIONS - HIGHWAY I.B. STA. 588+90 & D.B. STA. 589+00
228	C-187	CROSS SECTIONS - HIGHWAY D.B. STA. 589+50 TO D.B. STA. 590+00
229	C-188	CROSS SECTIONS - HIGHWAY D.B. STA. 591+80 TO D.B. STA. 592+00
230	C-189	CROSS SECTIONS - HIGHWAY I.B. STA. 592+10 TO I.B. STA. 593+60
231	C-190	CROSS SECTIONS - HIGHWAY I.B. STA. 594+10 TO I.B. STA. 594+50
232	C-191	CROSS SECTIONS - HIGHWAY I.B. STA. 595+00 TO I.B. STA. 595+40
233	C-192	CROSS SECTIONS - HIGHWAY I.B. STA. 597+00 TO I.B. STA. 598+60

STRUCTURAL

234	GN-1	DRAWING LIST - 1
235	GN-2	DRAWING LIST - 2
236	GN-3	DRAWING LIST - 3
237	GN-4	GENERAL NOTES - 1
238	GN-5	GENERAL NOTES - 2
239	GN-6	ALIGNMENT PLAN, PROFILE AND SUPERELEVATION DIAGRAM
240	GN-7	EDGE OF ROADWAY GEOMETRICS

241	PP-1	PARTIAL PLAN AND ELEVATION - INBOUND - 1
242	PP-2	PARTIAL PLAN AND ELEVATION - INBOUND - 2
243	PP-3	PARTIAL PLAN AND ELEVATION - INBOUND - 3
244	PP-4	PARTIAL PLAN AND ELEVATION - INBOUND - 4
245	PP-5	PARTIAL PLAN AND ELEVATION - INBOUND - 5
246	PP-6	PARTIAL PLAN AND ELEVATION - INBOUND - 6
247	PP-7	PARTIAL PLAN AND ELEVATION - INBOUND - 7
248	PP-8	PARTIAL PLAN AND ELEVATION - INBOUND - 8
249	PP-9	PARTIAL PLAN AND ELEVATION - INBOUND - 9
250	PP-10	PARTIAL PLAN AND ELEVATION - INBOUND - 10
251	PP-11	PARTIAL PLAN AND ELEVATION - INBOUND - 11
252	PP-12	PARTIAL PLAN AND ELEVATION - OUTBOUND 1
253	PP-13	PARTIAL PLAN AND ELEVATION - OUTBOUND 2
254	PP-14	PARTIAL PLAN AND ELEVATION - OUTBOUND 3
255	PP-15	PARTIAL PLAN AND ELEVATION - OUTBOUND 4
256	PP-16	PARTIAL PLAN AND ELEVATION - OUTBOUND 5
257	PP-17	PARTIAL PLAN AND ELEVATION - OUTBOUND 6
258	PP-18	PARTIAL PLAN AND ELEVATION - OUTBOUND 7
259	PP-19	PARTIAL PLAN AND ELEVATION - OUTBOUND 8
260	PP-20	PARTIAL PLAN AND ELEVATION - OUTBOUND 9
261	PP-21	PARTIAL PLAN AND ELEVATION - OUTBOUND 10
262	PP-22	PARTIAL PLAN AND ELEVATION - OUTBOUND 11

263	PL-1	PRESTRESSED CONCRETE PILE
264	PL-2	PRESTRESSED CONCRETE PILE BUILD UP

265	AB-1	ABUTMENT LAYOUT
266	AB-2	ABUTMENT 1 IB FORMS
267	AB-3	ABUTMENT 1 IB REINFORCEMENT - 1
268	AB-4	ABUTMENT 1 IB REINFORCEMENT - 2
269	AB-5	ABUTMENT 1 OB FORMS
270	AB-6	ABUTMENT 1 OB REINFORCEMENT - 1
271	AB-7	ABUTMENT 1 OB REINFORCEMENT - 2
272	AB-8	ABUTMENT 2 OB FORMS
273	AB-9	ABUTMENT 2 OB REINFORCEMENT - 1
274	AB-10	ABUTMENT 2 OB REINFORCEMENT - 2
275	AB-11	ABUTMENT 2 OB REINFORCEMENT - 3

276	FT-1	FOOTING 1 IB LAYOUT, FORMS AND REINFORCEMENT
277	FT-2	FOOTING 2 IB LAYOUT, FORMS AND REINFORCEMENT
278	FT-3	FOOTING 3 IB LAYOUT, FORMS AND REINFORCEMENT
279	FT-4	FOOTING 4 IB LAYOUT, FORMS AND REINFORCEMENT
280	FT-5	FOOTING 5 IB LAYOUT, FORMS AND REINFORCEMENT
281	FT-6	FOOTING 6 IB LAYOUT, FORMS AND REINFORCEMENT
282	FT-7	FOOTING 7 IB LAYOUT, FORMS AND REINFORCEMENT
283	FT-8	FOOTING 8 IB LAYOUT, FORMS AND REINFORCEMENT
284	FT-9	FOOTING 9 IB LAYOUT, FORMS AND REINFORCEMENT
285	FT-10	FOOTING 10 IB LAYOUT, FORMS AND REINFORCEMENT
286	FT-11	FOOTING 11 IB LAYOUT, FORMS AND REINFORCEMENT
287	FT-12	FOOTING 12 IB LAYOUT, FORMS AND REINFORCEMENT
288	FT-13	FOOTING 13 IB LAYOUT, FORMS AND REINFORCEMENT
289	FT-14	FOOTING 14 IB LAYOUT, FORMS AND REINFORCEMENT
290	FT-15	FOOTING 15 IB LAYOUT, FORMS AND REINFORCEMENT
291	FT-16	FOOTING 16 IB LAYOUT, FORMS AND REINFORCEMENT
292	FT-17	FOOTING 17 IB LAYOUT, FORMS AND REINFORCEMENT
293	FT-18	FOOTING 18 IB LAYOUT, FORMS AND REINFORCEMENT
294	FT-19	FOOTING 19 IB LAYOUT, FORMS AND REINFORCEMENT
295	FT-20	FOOTING 1 OB LAYOUT, FORMS AND REINFORCEMENT
296	FT-21	FOOTING 2 OB LAYOUT, FORMS AND REINFORCEMENT
297	FT-22	FOOTING 3 OB LAYOUT, FORMS AND REINFORCEMENT
298	FT-23	FOOTING 4 OB LAYOUT, FORMS AND REINFORCEMENT
299	FT-24	FOOTING 5 OB LAYOUT, FORMS AND REINFORCEMENT

300	FT-25	FOOTING 6 OB LAYOUT, FORMS AND REINFORCEMENT
301	FT-26	FOOTING 7 OB LAYOUT, FORMS AND REINFORCEMENT
302	FT-27	FOOTING 8 OB LAYOUT, FORMS AND REINFORCEMENT
303	FT-28	FOOTING 9 OB LAYOUT, FORMS AND REINFORCEMENT
304	FT-29	FOOTING 10 OB LAYOUT, FORMS AND REINFORCEMENT
305	FT-30	FOOTING 11 OB LAYOUT, FORMS AND REINFORCEMENT
306	FT-31	FOOTING 12 OB LAYOUT, FORMS AND REINFORCEMENT
307	FT-32	FOOTING 13 OB LAYOUT, FORMS AND REINFORCEMENT
308	FT-33	FOOTING 14 OB LAYOUT, FORMS AND REINFORCEMENT
309	FT-34	FOOTING 15 OB LAYOUT, FORMS AND REINFORCEMENT
310	FT-35	FOOTING 16 OB LAYOUT, FORMS AND REINFORCEMENT
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319	PR-2	EXPANSION PIER FORMS
320	PR-3	END PIER FORMS

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322	PR-5	PIER 2 IB REINFORCEMENT
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324	PR-7	PIER 4 IB REINFORCEMENT
325	PR-8	PIER 5 IB REINFORCEMENT
326	PR-9	PIER 6 IB REINFORCEMENT
327	PR-10	PIER 7 IB REINFORCEMENT
328	PR-11	PIER 8 IB REINFORCEMENT
329	PR-12	PIER 9 IB REINFORCEMENT
330	PR-13	PIER 10 IB REINFORCEMENT
331	PR-14	PIER 11 IB REINFORCEMENT
332	PR-15	PIER 12 IB REINFORCEMENT
333	PR-16	PIER 13 IB REINFORCEMENT
334	PR-17	PIER 14 IB REINFORCEMENT
335	PR-18	PIER 15 IB REINFORCEMENT
336	PR-19	PIER 16 IB REINFORCEMENT
337	PR-20	PIER 17 IB REINFORCEMENT
338	PR-21	PIER 18 IB REINFORCEMENT
339	PR-22	PIER 19 IB REINFORCEMENT
340	PR-23	PIER 1 OB REINFORCEMENT
341	PR-24	PIER 2 OB REINFORCEMENT
342	PR-25	PIER 3 OB REINFORCEMENT
343	PR-26	PIER 4 OB REINFORCEMENT
344	PR-27	PIER 5 OB REINFORCEMENT
345	PR-28	PIER 6 OB REINFORCEMENT
346	PR-29	PIER 7 OB REINFORCEMENT
347	PR-30	PIER 8 OB REINFORCEMENT
348	PR-31	PIER 9 OB REINFORCEMENT
349	PR-32	PIER 10 OB REINFORCEMENT
350	PR-33	PIER 11 OB REINFORCEMENT
351	PR-34	PIER 12 OB REINFORCEMENT
352	PR-35	PIER 13 OB REINFORCEMENT
353	PR-36	PIER 14 OB REINFORCEMENT
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356	PR-39	PIER 17 OB REINFORCEMENT
357	PR-40	PIER REINFORCEMENT SECTIONS - 1
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359	PR-42	PIER REINFORCEMENT SECTIONS - 3
360	PR-43	PIER CAP REINFORCEMENT

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363	SE-3	SEGMENT PLAN AND ELEVATION - PIER 3 IB
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368	SE-8	SEGMENT PLAN AND ELEVATION - PIER 9 IB
369	SE-9	SEGMENT PLAN AND ELEVATION - PIER 10 IB
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371	SE-11	SEGMENT PLAN AND ELEVATION - PIER 12 IB
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374	SE-14	SEGMENT PLAN AND ELEVATION - PIER 16 IB
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376	SE-16	SEGMENT PLAN AND ELEVATION - PIER 18 IB
377	SE-17	SEGMENT PLAN AND ELEVATION - PIER 1 OB
378	SE-18	SEGMENT PLAN AND ELEVATION - PIER 2 OB
379	SE-19	SEGMENT PLAN AND ELEVATION - PIER 3 OB
380	SE-20	SEGMENT PLAN AND ELEVATION - PIER 4 OB
381	SE-21	SEGMENT PLAN AND ELEVATION - PIER 5 OB
382	SE-22	SEGMENT PLAN AND ELEVATION - PIER 7 OB
383	SE-23	SEGMENT PLAN AND ELEVATION - PIER 8 OB

384	SE-24	SEGMENT PLAN AND ELEVATION - PIER 9 OB
385	SE-25	SEGMENT PLAN AND ELEVATION - PIER 10 OB
386	SE-26	SEGMENT PLAN AND ELEVATION - PIER 11 OB
387	SE-27	SEGMENT PLAN AND ELEVATION - PIER 13 OB
388	SE-28	SEGMENT PLAN AND ELEVATION - PIER 14 OB
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392	SE-32	CROSS SECTIONS - TYPICAL
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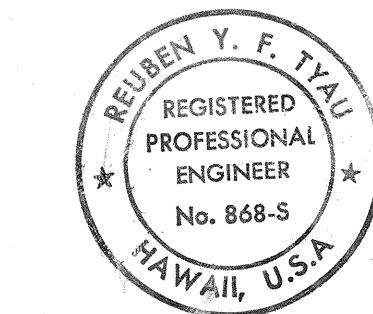
395	CA-1	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 1 IB
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397	CA-3	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 3 IB
398	CA-4	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 4 IB
399	CA-5	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 5 IB
400	CA-6	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 6 IB
401	CA-7	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 8 IB
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403	CA-9	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 10 IB
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406	CA-12	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 14 IB
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408	CA-14	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 16 IB
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410	CA-16	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 18 IB
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413	CA-19	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 3 OB
414	CA-20	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 4 OB
415	CA-21	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 5 OB
416	CA-22	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 7 OB
417	CA-23	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 8 OB
418	CA-24	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 9 OB
419	CA-25	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 10 OB
420	CA-26	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 11 OB
421	CA-27	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 13 OB
422	CA-28	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 14 OB
423	CA-29	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 15 OB
424	CA-30	CANTILEVER TENDON LAYOUT AND FORCE DIAGRAM - PIER 16 OB
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429	SP-4	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 4 IB
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432	SP-7	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 7 IB
433	SP-8	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 8 IB
434	SP-9	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 9 IB
435	SP-10	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 10 IB
436	SP-11	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 11 IB
437	SP-12	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 12 IB

LEGEND:

> SEE SUPPLEMENTAL DRAWING 235 S-1

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



This work was prepared by me or under my supervision.

ROBERT Y. F. TYAU, INC.
Structural Engineers

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LIST OF DRAWINGS - 2

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. 1-H3-1 (71)

SCALE: DATE: APRIL 1991

SHEET NO. 63 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(71)	1991	ADD.4	618

SHEET NO. SHEET TITLE

STRUCTURAL (CON'T)

438	SP-13	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 13 IB
439	SP-14	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 14 IB
440	SP-15	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 15 IB
441	SP-16	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 16 IB
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443	SP-18	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 18 IB
444	SP-19	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 19 IB
445	SP-20	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 1 OB
446	SP-21	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 2 OB
447	SP-22	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 3 OB
448	SP-23	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 4 OB
449	SP-24	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 5 OB
450	SP-25	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 6 OB
451	SP-26	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 7 OB
452	SP-27	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 8 OB
453	SP-28	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 9 OB
454	SP-29	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 10 OB
455	SP-30	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 11 OB
456	SP-31	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 12 OB
457	SP-32	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 13 OB
458	SP-33	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 14 OB
459	SP-34	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 15 OB
460	SP-35	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 16 OB
461	SP-36	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 17 OB
462	SP-37	SPAN TENDON LAYOUT AND FORCE DIAGRAM - SPAN 18 OB
463	CO-1	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 1 IB-1
464	CO-2	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 1 IB-2
465	CO-3	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 2 IB-1
466	CO-4	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 2 IB-2
467	CO-5	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 3 IB-1
468	CO-6	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 3 IB-2
469	CO-7	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 1 OB-1
470	CO-8	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 1 OB-2
471	CO-9	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 2 OB-1
472	CO-10	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 2 OB-2
473	CO-11	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 3 OB-1
474	CO-12	CONTINUITY TENDON LAYOUT AND FORCE DIAGRAM - UNIT 3 OB-2
475	PT-1	POST-TENSIONING NOTES
476	PT-2	CANTILEVER TENDON DETAILS
477	PT-3	SPAN TENDON DETAILS
478	PT-4	CONTINUITY TENDON DETAILS -1
479	PT-5	CONTINUITY TENDON DETAILS -2
480	PT-6	CONTINUITY TENDON DETAILS -3
481	PT-7	CONTINUITY TENDON DETAILS -4
482	PT-8	POST-TENSIONING DETAILS
483	PT-9	TRANSVERSE POST-TENSIONING - TYPICAL
484	PT-10	TRANSVERSE POST-TENSIONING - AT WIDENING
485	FP-1	FUTURE POST-TENSIONING - LAYOUT
486	FP-2	FUTURE POST-TENSIONING - DETAILS -1
487	FP-3	FUTURE POST-TENSIONING - DETAILS -2
488	CD-1	CAMABER DIAGRAM - UNIT 1 IB
489	CD-2	CAMABER DIAGRAM - UNIT 2 IB
490	CD-3	CAMABER DIAGRAM - UNIT 3 IB
491	CD-4	CAMABER DIAGRAM - UNIT 1 OB
492	CD-5	CAMABER DIAGRAM - UNIT 2 OB
493	CD-6	CAMABER DIAGRAM - UNIT 3 OB
494	GR-1	BOX GIRDER REINFORCEMENT - PIERS 1 AND 2 IB
495	GR-2	BOX GIRDER REINFORCEMENT - PIERS 3 AND 4 IB
496	GR-3	BOX GIRDER REINFORCEMENT - PIERS 5 AND 6 IB
497	GR-4	BOX GIRDER REINFORCEMENT - PIERS 6 AND 9 IB
498	GR-5	BOX GIRDER REINFORCEMENT - PIERS 10 AND 11 IB
499	GR-6	BOX GIRDER REINFORCEMENT - PIERS 12 AND 14 IB
500	GR-7	BOX GIRDER REINFORCEMENT - PIERS 15 AND 16 IB
501	GR-8	BOX GIRDER REINFORCEMENT - PIERS 17 AND 18 IB
502	GR-9	BOX GIRDER REINFORCEMENT - PIERS 1 AND 2 OB
503	GR-10	BOX GIRDER REINFORCEMENT - PIERS 3 AND 4 OB
504	GR-11	BOX GIRDER REINFORCEMENT - PIERS 5 AND 7 OB
505	GR-12	BOX GIRDER REINFORCEMENT - PIERS 8 AND 9 OB
506	GR-13	BOX GIRDER REINFORCEMENT - PIERS 10 AND 11 OB
507	GR-14	BOX GIRDER REINFORCEMENT - PIERS 13 AND 14 OB
508	GR-15	BOX GIRDER REINFORCEMENT - PIERS 15 AND 16 OB
509	GR-16	BOX GIRDER REINFORCEMENT - PIER 17 OB
510	GR-17	BOX GIRDER REINFORCEMENT - PIERS CROSS SECTIONS
511	FD-1	FIXED PIER DIAPHRAGMS - FORMS
512	FD-2	FIXED PIER DIAPHRAGMS - REINFORCEMENT - 1
513	FD-3	FIXED PIER DIAPHRAGMS - REINFORCEMENT - 2
514	XD-1	EXPANSION PIER DIAPHRAGMS - FORMS
515	XD-2	EXPANSION PIER DIAPHRAGMS - REINFORCEMENT - 1
516	XD-3	EXPANSION PIER DIAPHRAGMS - REINFORCEMENT - 2
517	XD-4	EXPANSION PEIR 1 IB DIAPHRAGM - FORMS
518	XD-5	EXPANSION PEIR 1 IB DIAPHRAGM - REINFORCEMENT

519	ED-1	END DIAPHRAGMS - FORMS
520	ED-2	END DIAPHRAGMS - REINFORCEMENT - 1
521	ED-3	END DIAPHRAGMS - REINFORCEMENT - 2
522	SD-1	SIGN DIAPHRAGMS - FORMS
523	SD-2	SIGN DIAPHRAGMS - REINFORCEMENT
524	SD-3	SIGN DIAPHRAGMS - DETAILS
525	BR-1	POT BEARING DETAILS
526	BR-2	DISC BEARING DETAILS
527	BR-3	BEARING SCHEDULE
528	EJ-1	EXPANSION JOINT DETAILS
529	RD-1	RAILING DETAILS - 1
530	RD-2	RAILING DETAILS - 2
531	RD-3	RAILING DETAILS - 3
532	DD-1	DRAINAGE DETAILS - 1
533	DD-2	DRAINAGE DETAILS - 2
534	DD-3	DRAINAGE DETAILS - 3
535	DD-4	DRAINAGE DETAILS - 4
536	DD-5	DRAINAGE DETAILS - 5
537	EL-1	ELECTRICAL DETAILS - 1
538	EL-2	ELECTRICAL DETAILS - 2
539	MD-1	MISCELLANEOUS DETAILS - 1
540	MD-2	MISCELLANEOUS DETAILS - 2
541	MD-3	MISCELLANEOUS DETAILS - 3
542	MD-4	MISCELLANEOUS DETAILS - 4
543	CS-1	CONSTRUCTION SEQUENCE - GENERAL
544	CS-2	CONSTRUCTION SEQUENCE - CANTILEVER
545	CS-3	CONSTRUCTION SEQUENCE - SEGMENT
546	CS-4	CONSTRUCTION SEQUENCE - LAUNCHING
547	CS-5	CONSTRUCTION SEQUENCE - UNIT 1 IB - 1
548	CS-6	CONSTRUCTION SEQUENCE - UNIT 1 IB - 2
549	CS-7	CONSTRUCTION SEQUENCE - UNIT 2 IB - 1
550	CS-8	CONSTRUCTION SEQUENCE - UNIT 2 IB - 2
551	CS-9	CONSTRUCTION SEQUENCE - UNIT 3 IB - 1
552	CS-10	CONSTRUCTION SEQUENCE - UNIT 3 IB - 2
553	CS-11	CONSTRUCTION SEQUENCE - UNIT 1 OB - 1
554	CS-12	CONSTRUCTION SEQUENCE - UNIT 1 OB - 2
555	CS-13	CONSTRUCTION SEQUENCE - UNIT 2 OB - 1
556	CS-14	CONSTRUCTION SEQUENCE - UNIT 2 OB - 2
557	CS-15	CONSTRUCTION SEQUENCE - UNIT 3 OB - 1
558	CS-16	CONSTRUCTION SEQUENCE - UNIT 3 OB - 2
559	CS-17	CONSTRUCTION SEQUENCE - WIDENING
560	PA -1	PRECAST ALTERNATIVE DETAILS
561	TA-1	PLAN AND ELEVATION
562	TA-2	CROSS SECTIONS
563	TA-3	FRAMING PLAN
564	TA-4	FOOTING LAYOUT PLAN
565	TA-5	FOOTING 20 IB
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567	TA-7	FOOTING 22 IB
568	TA-8	FOOTING DETAILS AND SCHEDULE FOR DRILLED SHAFT ALTERNATIVE
569	TA-9	BENT 20 IB
570	TA-10	BENT 21 IB
571	TA-11	BENT 22 IB
572	TA-12	TENDON ELEVATIONS
573	TA-13	TENDON CROSS SECTIONS -1
574	TA-14	TENDON CROSS SECTIONS -2
575	TA-15	POST TENSIONING DETAILS AND NOTES
576	TA-16	GIRDER REINFORCEMENT
577	TA-17	BOX GIRDER REINFORCEMENT - CROSS SECTIONS
578	TA-18	PIER 19 IB DIAPHRAGM
579	TA-19	PIER 20 IB DIAPHRAGM
580	TA-20	PIER 21 IB DIAPHRAGM
581	TA-21	PIER 22 IB DIAPHRAGM
582	TA-22	ABUTMENT 2 IB DIAPHRAGM
583	TA-23	BEARING DETAILS
584	TA-24	EXPANSION JOINT DETAILS
585	TA-25	MISCELLANEOUS DETAILS
586	RW-1	RETAINING WALL 1 IB AND 1 OB GENERAL LAYOUT
587	RW-2	RETAINING WALL 1 IB AND 1 OB PLAN AND ELEVATION
588	RW-3	RETAINING WALL 1 IB AND 1 OB REINFORCEMENT - 1
589	RW-4	RETAINING WALL 1 IB AND 1 OB REINFORCEMENT - 2
590	LT-1	LOAD TEST SET-UP
591	LT-2	LOAD FRAME DETAILS

ELECTRICAL

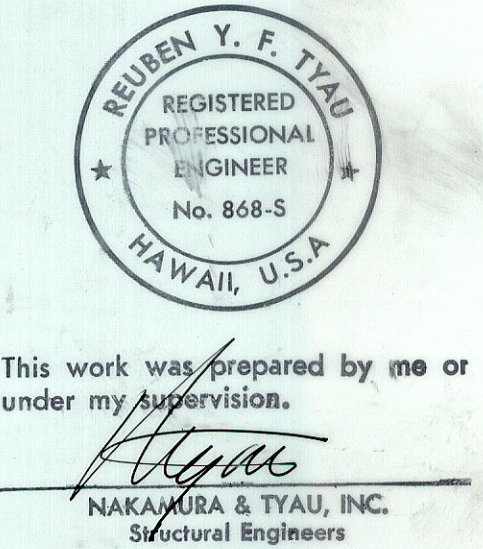
592	E-1	GENERAL ELECTRICAL PLAN
593	E-2	ELECTRICAL PLAN STA. 534+65.13 TO 546+00
594	E-3	ELECTRICAL PLAN STA. 546+00 TO 557+00
595	E-4	ELECTRICAL PLAN STA. 557+00 TO 568+00
596	E-5	ELECTRICAL PLAN STA. 568+00 TO 579+00
597	E-6	ELECTRICAL PLAN STA. 579+00 TO 590+00
598	E-7	ELECTRICAL PLAN STA. 590+00 TO 599+95
599	E-8	ELECTRICAL PLAN STA. 535+00 TO 546+00
600	E-9	ELECTRICAL PLAN STA. 546+00 TO 557+00
601	E-10	ELECTRICAL PLAN STA. 557+00 TO 568+00
602	E-11	ELECTRICAL PLAN STA. 568+00 TO 579+00
603	E-12	ELECTRICAL PLAN STA. 579+00 TO 590+00
604	E-13	ELECTRICAL PLAN STA. 590+00 TO 594+50
605	E-14	STREET LIGHTING DIAGRAMS
606	E-15	DETAILS STA.
607	E-16	DETAILS AND SECTIONS STA.
608	E-17	DETAILS AND SECTIONS
609	E-18	DETAILS AND SECTIONS
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611	E-20	EXISTING 11.5KV OVERHEAD PRIMARY LINE RELOCATION PLAN
612	E-21	EXISTING 11.5KV OVERHEAD PRIMARY LINE RELOCATION PLAN
613	E-22	EXISTING 11.5KV OVERHEAD PRIMARY LINE RELOCATION PLAN
614	E-23	EXISTING 11.5KV OVERHEAD PRIMARY LINE RELOCATION PLAN
615	E-24	EXISTING 11.5KV OVERHEAD PRIMARY LINE RELOCATION PLAN
616	E-25	EXISTING 11.5KV OVERHEAD PRIMARY LINE RELOCATION PLAN
617	E-26	POLE LINE FRAMING DETAIL
617S-1	E-26A	POLE LINE FRAMING DETAILS
618	E-27	SECTIONS AND DETAILS

NOTES: THIS TRACING PREPARED DURING "AS-BUILT" POSTING.

LEGEND:
> SEE SUPPLEMENTAL DRAWING 235 S-1

DATE	____
DESIGNED BY	____
CHECKED BY	____
NOTED BY	____
QUANTITIES BY	____
ORIGINAL PLAN	____
NOTE BOOK	____
No.	____

8/1/91	ADDED SHT. 617S-1
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
LIST OF DRAWINGS - 3	
INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. 1-H3-1 (71)	
SCALE:	DATE: APRIL 1991
SHEET No. 64 OF 6 SHEETS	



ABBREVIATIONS

A.C.	Asphalt Concrete
AASHTO	American Association of State Highway Transportation Officials
Abn.	Abandon
Abut	Abutment
ADT	Average Daily Traffic
Agg.	Aggregate
Alt.	Alternate
Approx.	Approximate
Beg.	Begin
Bk. F	Back Face
BL	Base Line
Bldg.	Building
BM	Bench Mark
Bot.	Bottom
Brg.	Bearing
BVC	Beginning of Vertical Curve
C. Y.	Cubic Yard
CGL	Grade Control Line
Ch.	Chord
CIP	Cast in Place
CL	Centerline
Cl.	Class
Clr.	Clear
Concr., Conc.	Concrete
Conn.	Connection
Constr., Const.	Construction
Constr. Easmt.	Construction Easement
Cont.	Continuous
Coord.	Coordinate
CRM	Cement Rubble Masonry
Culv.	Culvert
D.I.	Drop Intake, Drop Inlet
Det.	Detail
Dia., D, Ø	Diameter
Dwg.	Drawing
E	East
E.F.	Each Face
E.P.	Edge of Pavement
E.S.	Edge of Shoulder
E.W.	Each Way
Ea.	Each
Easmt.	Easement
El, Elev.	Elevation
Elec.	Electrical
Emb.	Embankment

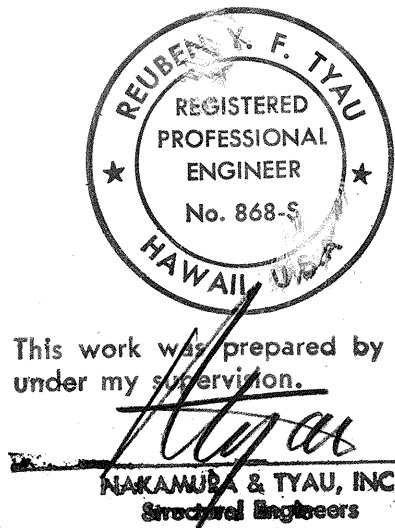
Eq.	Equal
EVC	Edge of Vertical Curve
Exc.	Excavation
Exist.	Existing
Exp.	Expansion
F	Fahrenheit
F.A.I.	Federal Aid Interstate
FF	Front Face
Fig.	Figure
Fin. Gr.	Finish Grade
Ft., ft.	Feet, Foot
Ftg.	Footing
Fut.	Future
Fwy.	Freeway
Ga.	Gauge, gage
Galv.	Galvanized
Gnd.	Ground
GRP	Grouted Rubble Paving
Haw.	Hawaii
HECO	Hawaiian Electric Company
Hor., Horiz.	Horizontal
Hwy.	Highway
IB, I.B.	Inbound
In.	Inch
Inv.	Invert
Jt.	Joint
K	Kips
KV	Kilovolt
L	Length
Lbs.	Pounds
Lc	Length of Curve
LF	Linear Foot
LF	Linear Foot
M.L.	Match Line
Max.	Maximum
MH	Man Hole
Min.	Minimum
MPH	Miles Per Hour
MSERW	Mechanically Stabilized Earth Retaining Wall
MSL	Mean Sea Level
N	North
NIC	Not in Contract
No.	Number
NTS	Not to Scale
O.C.	On Center
O.D.	Outside Diameter

O/H	Overhead
o/s	Offset
OB, O.B.	Outbound
P.I.	Point of Intersecting Tangents
P.I.V.C.	Point of Intersection of Vertical Curve
P.O.C.	Point on Curve
P/L	Property Line
Pavt.	Pavement
PC, P.C.	Point of Curvature, Precast
PCC, P.C.C.	Point of Compound Curvature
PCF	Pounds Per Cubic foot
PL	Plate
PLF	Pounds Per Linear Foot
Proj.	Project
PSF	Pounds Per Square Foot
PSI	Pounds Per Inch
PT, P.T., P.O.T.	Point of Tangency
Pt.	Point
R	Radius
R/W	Right of Way
RC	Reinforced Concrete
Rd.	Road
Ref.	Reference
Reinf.	Reinforcement
Req., Req'd	Required
Ret.	Retaining
S	South
S.E.	Superelevation
Sect.	Section
SF	Square Feet
Sht.	Sheet
Sp.	Space
Spec.	Specification
Sq.	Square
Sta.	Station
Std.	Standard
SY	Square Yard
SY	Square Yard
SYM.	Symmetrical
T & B	Top and Bottom
Tan, T	Tangent
Temp.	Temporary
Trans.	Transverse
Typ.	Typical
Ug.	Underground
Var.	Variable, Varies

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(71)	1991	5	618

VC	Vertical Curve
Vert.	Vertical
W	West
%	Percent
@	At

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



This work was prepared by me or under my supervision.
[Signature]
NAKANISHI & TYAU, INC.
Structural Engineers

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ABBREVIATIONS

INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1 (71)

Date: APRIL 1991

SHEET No. 5 OF 6 SHEETS

STANDARD PLANS SUMMARY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I - H3 - 1 (71)	1991	APP. 6	618

STANDARD PLAN NO.	TITLE	DATE
B-01	Notes and Miscellaneous Details	07/01/86
B-02		
B-03	Typical Structure Excavation and Backfill Pay Limits	07/01/86
B-04		
B-05		
B-06 ●	Concrete Box Girder	07/01/86
B-07 ●	Concrete Box Girder	07/01/86
B-08	Concrete Box Girder	07/01/86
B-09		
B-10		
B-11		
B-12	Prestressed Concrete Piles	07/01/86
B-13	Prestressed Concrete Piles	07/01/86

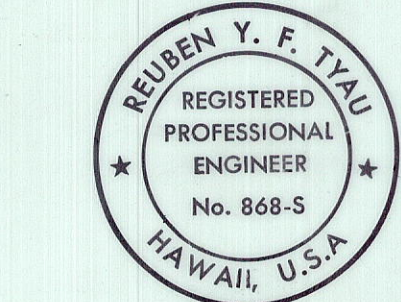
D-01 ●	Chain Link Fence With Toprail	r03/06/87
D-02 ●	Chain Link Fence Without Toprail	07/01/86
D-03	Wire Fence With Metal Posts	07/01/86
D-04	Typical Details of Curbs and/or Gutters	07/01/86
D-05	Typical Details of Reinforced Concrete Drop Driveway	07/01/86
D-06	Centerline and Reference Survey Monument	07/01/86
D-07	Street Survey Monument	07/01/86
D-08	Landscaping Shrub and Tree Planting	07/01/86
D-09	Field Office	07/01/86
D-10	Field Office	07/01/86
D-11 ●	Project Site Laboratory	07/01/86
D-12 ●	Project Site Laboratory	07/01/86
D-13 ●	Field Office & Project Site Laboratory	07/01/86

H-01	Type A, B, C and D Catch Basin	07/01/86
H-02	Type A1, B1, C1 and D1 Catch Basin	07/01/86
H-03	Type A2, B2, C2 and D2 Catch Basin	07/01/86
H-04	Typical Reinforcing Details for Catch Basins	07/01/86
H-05	Type A, B and C Storm Drain Manhole	07/01/86
H-06	Type D and E Storm Drain Manhole	07/01/86
H-07 ●	Type F Storm Drain Manhole	07/01/86
H-08 ●	Catch Basin and Manhole Casting	07/01/86
H-09 ●	Type A-9 and A-9P Frames and Grates	07/01/86
H-10	Type A-9B Frames and Grates	07/01/86
H-11	Type 61614 and 61214 Grated Drop Inlet	07/01/86
H-12	Type 61616 Grated Drop Inlet	07/01/86
H-13	61214, 61614 & 61616 Steel Frames and Grates	07/01/86
H-14	61214B Steel Frame and Grates	07/01/86
H-15	61614B Steel Frame and Grates	07/01/86
H-16 ●	Concrete and Cement Rubble Masonry Structures	07/01/86
H-17	Inlet Structures	07/01/86
H-18	Flared End Section for Culverts	07/01/86
H-19	Outlet Structures	07/01/86
H-20	Concrete Spillway Inlet	07/01/86
H-21	18" Slotted C.M.P. Drain	07/01/86
H-22	C.M.P. Coupling Details Standard Joint	07/01/86
H-23	Hat Shaped Coupling Band	07/01/86

STANDARD PLAN NO.	TITLE	DATE
TE-01 ●	Miscellaneous Sign Details	07/01/86
TE-02	Galvanized Flanged Channel Sign Post Mounting	07/01/86
TE-03	Galvanized Square Tube Sign Post Mounting	07/01/86
TE-04 ●	Regulatory Signs	r09/01/87
TE-05 ●	Warning Signs	07/01/86
TE-06	Miscellaneous Signs	r11/03/89
TE-07	Reserved	07/01/86
TE-08	Construction Signs	r09/01/87
TE-09	Miscellaneous Intersection Signs	r03/06/87
TE-10	Reserved	07/01/86
TE-11	Bike Route Sign and Supplementary Plates	07/01/86
TE-12	State Route Marker and Auxiliary Markers	07/01/86
TE-13 ●	Interstate Route Marker	07/01/86
TE-14 ●	State Route Marker and Border Detail for Guide Signs	07/01/86
TE-15	Route Marker Assemblies	07/01/86
TE-16 ●	Miscellaneous Reflector Markers	07/01/86
TE-17	Type II Object Markers	07/01/86
TE-18 ●	Mileposts	07/01/86
TE-19	Reserved	07/01/86
TE-20	Overhead Sign Supports	07/01/86
TE-21	Overhead Sign Support, Box Truss Type, Aluminum	07/01/86
TE-22	Foundation Details and Schedules	07/01/86
TE-23	Supports for Ground Mounted Guide Sign	r11/03/89
TE-24	Breakaway Sign Supports for Ground Mounted Guide Signs	07/01/86
TE-25	Laminated Aluminum Sign Panels (Overhead)	07/01/86
TE-26	Laminated Aluminum Sign Panels (Ground Mounted)	07/01/86
TE-27	Solid Aluminum Extruded Sign Panel and Accessory Details	07/01/86
TE-28	Guide Signs Luminaire Mountings	07/01/86
TE-29	Reserved	07/01/86
TE-30 ●	Raised Pavement Markers and Striping	r11/03/89
TE-31 ●	Miscellaneous Pavement Markings	r11/03/89
TE-32 ●	Miscellaneous Pavement Markings	r11/03/89
TE-33	Miscellaneous Pavement Markings	r11/03/89
TE-34	Reserved	07/01/86
TE-35	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-36	Pavement Alphabets, Numbers & Symbols	07/01/86
TE-37	Reserved	07/01/86
TE-38	Traffic Signal System, Miscellaneous Details	r11/03/89
TE-39	Traffic Signal System, Miscellaneous Details	07/01/86
TE-40	Loop Detectors	r11/03/89
TE-41	Pullboxes	07/01/86
TE-42	Type III Traffic Signal Standard	07/01/86
TE-43	Concrete Pullbox (2' x 3')	07/01/86
TE-44	Reserved	07/01/86

STANDARD PLAN NO.	TITLE	DATE
TE-45	Reserved	07/01/86
TE-46	Reserved	07/01/86
TE-47	Reserved	07/01/86
TE-48	Reserved	07/01/86
TE-49	Reserved	07/01/86
TE-50 ●	Metal Guardrail	r03/06/87
TE-51 ●	Metal Guardrail	r09/01/87
TE-52 ●	Metal Guardrail with Rubrail	r11/03/89
TE-53	Metal Guardrail with Rubrail at Obstruction	r09/01/87
TE-54	Beam Type Guardrail with Rubrail at Obstruction (Shoulder Installation)	r11/03/89
TE-55	Metal Guardrail Connection to Concrete Barrier	r11/03/89
TE-56	Concrete Barrier Transition	07/01/86
TE-57 ●	Guardrail Type 3, Thrie Beam	r11/03/89
TE-57A	Guardrail Type 3, Modified Thrie Beam	11/03/89
TE-58	Approach End Flare, One & Two Way Roadway	07/01/86
TE-59	Trailing End Flare, One & Two Way Roadway	r11/03/89
TE-60	Anchor Block Details	07/01/86
TE-61	Breakaway Cable Terminal (BCT)	r11/03/89
TE-62	Breakaway Cable Terminal (BCT)	r09/01/87
TE-63 ●	Guardrail Type 4 (Rigid Barrier)	r09/01/87
TE-64 ●	Portable Concrete Barrier	r11/03/89
TE-65 ●	Guardrail Type 4, Miscellaneous	r09/01/87
TE-66	Barricades	07/01/86
TE-67	Delineation & Pavement Markings at Bridges	07/01/86
TE-68	Wheelchair Ramps	r11/03/89
TE-69	Wheelchair Ramps	r11/03/89

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
IN CHARGE	_____
NOTED BY	_____
DATE	_____



This work was prepared by me or under my supervision.

NAKAMURA & TYAU, INC.
Structural Engineers

8/14/91	ADDED APPLICABLE STANDARD PLANS
8/1/91	ADDED APPLICABLE STANDARD PLANS
11/03/89	REVISED STANDARD PLANS TE-06, TE-23, TE-30, TE-31, TE-32, TE-33, TE-38, TE-40, TE-52, TE-54, TE-55, TE-57, TE-59, TE-61, TE-64, TE-68 & TE-69. ADDED TE-57A TO STANDARD PLANS.
09/01/87	REVISED STANDARD PLANS TE-04, TE-06, TE-08, TE-32, TE-51, TE-53, TE-54, TE-55, TE-57, TE-59, TE-62, TE-63, TE-65 & TE-69.
03/06/87	REVISED STANDARD PLANS D-01, TE-09, TE-40, TE-50, TE-51, TE-57, TE-59, TE-61, TE-63 & TE-64.

DATE	REVISION
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NOTE:
STANDARD PLANS APPLICABLE TO THIS PROJECT ARE INDICATED BY A " ● " NEXT TO THE STANDARD PLAN NO. (D-07 ●)

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
STANDARD PLANS SUMMARY
INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1 (71)
Date: APRIL 1991
SHEET No. 6 OF 6 SHEETS