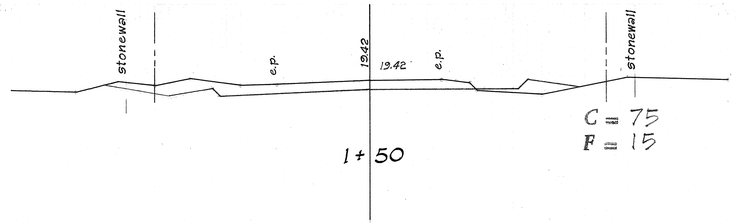
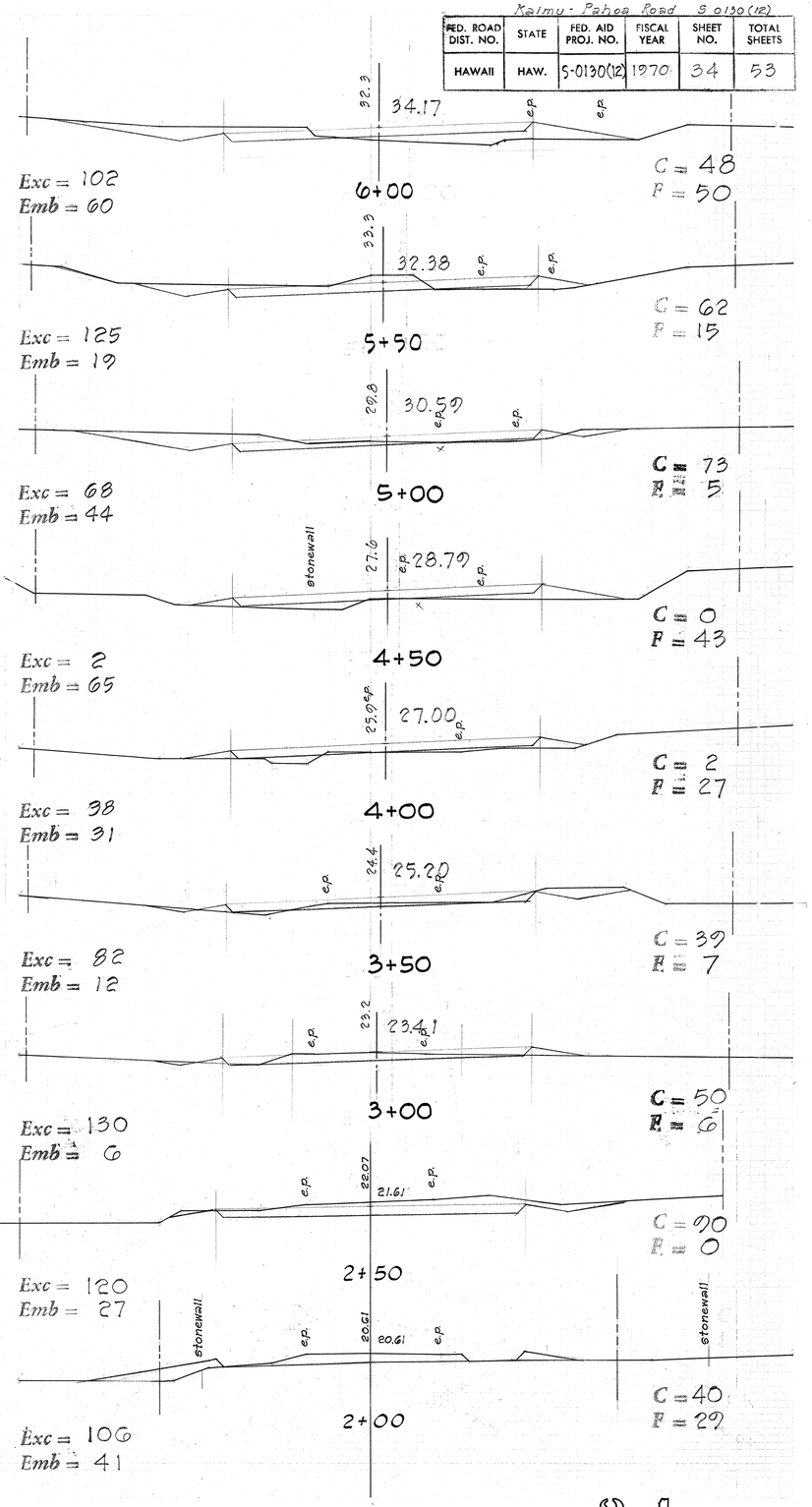
Kaimu - Pahoa Road S 0130(12)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	34	53





FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	35	53

Exc = 242
Emb = 2
51.3 50.32 48.4 48.53
10+50
C = 179
F = 0

Exc = 115
Emb = 7
10+00
C = 82
F = 2

Exc = 131
Emb = 2
46.2 46.73
9+50
C = 42
F = 5

Exc = 157
Emb = 0
51.7 46.02
9+30
C = 312
F = 0

Exc = 22
Emb = 0
46.9 45.37
9+12
C = 160
F = 0

Exc = 262
Emb = 42
45.6 44.94
9+00
C = 253
F = 0

Exc = 28
Emb = 126
41.3 43.14 38.7 41.35
8+50
C = 30
F = 45

Exc = 0
Emb = 140
8+00
C = 0
F = 91

Exc = 4
Emb = 162
38.3 39.56 35.6 37.76
7+50
C = 0
F = 60

Exc = 48
Emb = 134
7+00
C = 4
F = 115

Exc = 89
Emb = 74
34.9 35.97
6+50
C = 48
F = 30

Exc = 83
Emb = 33
67.49 68.49 65.08 67.12
16+00
C = 71
F = 4

Exc = 45
Emb = 76
62.99 65.67
15+50
C = 19
F = 32

Exc = 28
Emb = 216
60.06 64.16
15+00
C = 30
F = 50

Exc = 0
Emb = 358
14+50
C = 0
F = 183

Exc = 0
Emb = 330
57.85 62.59
14+00
C = 0
F = 204

Exc = 1
Emb = 181
55.45 60.05
13+50
C = 0
F = 152

Exc = 30
Emb = 44
57.13 59.26
13+00
C = 1
F = 43

Exc = 29
Emb = 3
50.5 57.85
12+60
C = 40
F = 16

Exc = 153
Emb = 14
58.6 57.49
12+50
C = 118
F = 0

Exc = 162
Emb = 14
55.3 55.70
12+00
C = 47
F = 15

Exc = 336
Emb = 0
54.2 53.91
11+50
C = 128
F = 0

Exc = 383
Emb = 0
55.4 52.11
11+00
C = 235
F = 0

Exc = 245
Emb = 0
81.84 74.44
18+50
C = 607
F = 0

Exc = 298
Emb = 0
81.27 74.21
18+39
C = 598
F = 0

Exc = 262
Emb = 0
76.90 73.85
18+22
C = 350
F = 0

Exc = 420
Emb = 0
75.07 73.38
18+00
C = 292
F = 0

Exc = 83
Emb = 0
73.26 72.25
17+50
C = 162
F = 0

Exc = 78
Emb = 1
70.96 71.79
17+30
C = 63
F = 1

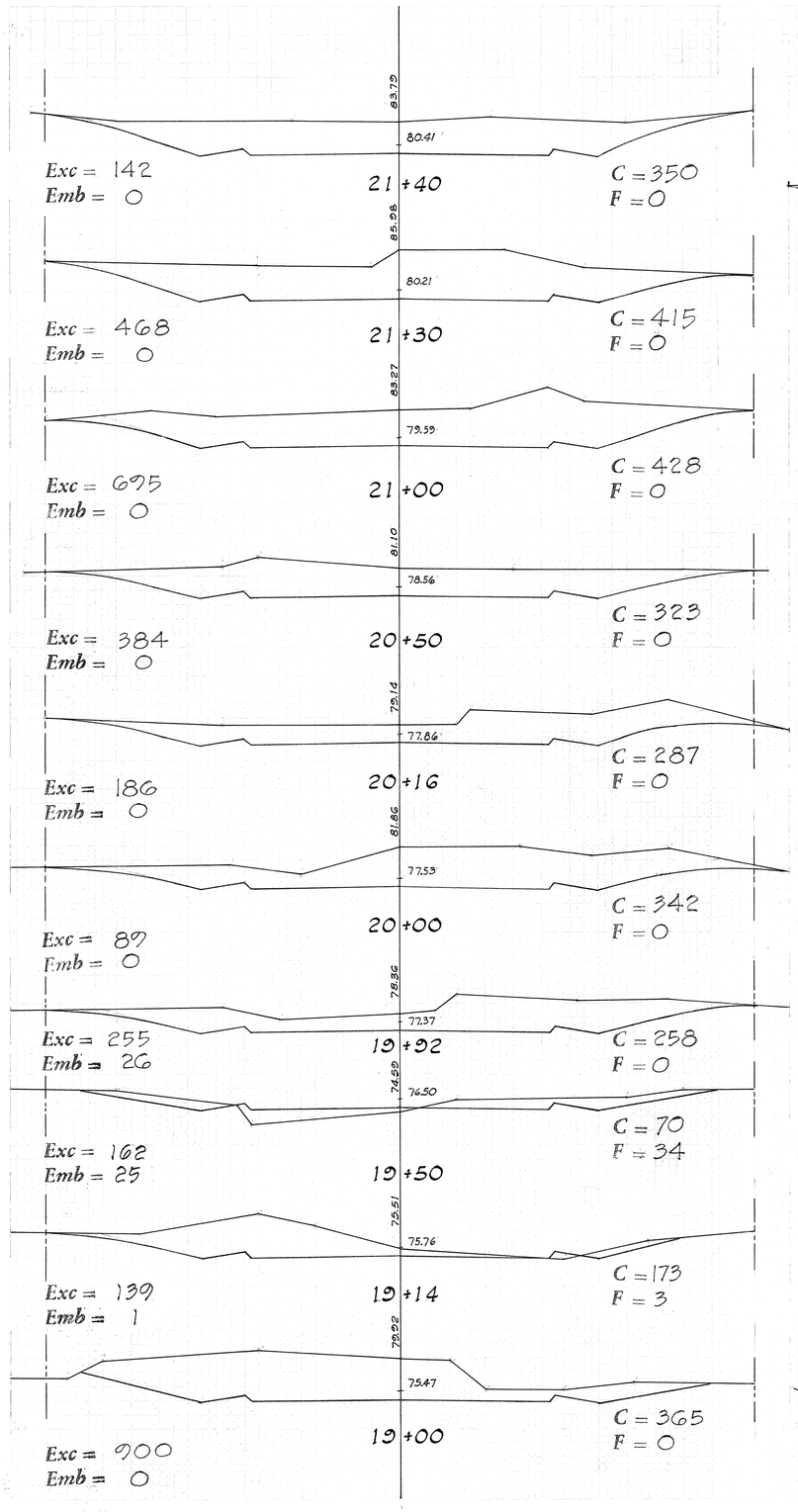
Exc = 95
Emb = 46
70.65 71.06
17+00
C = 77
F = 1

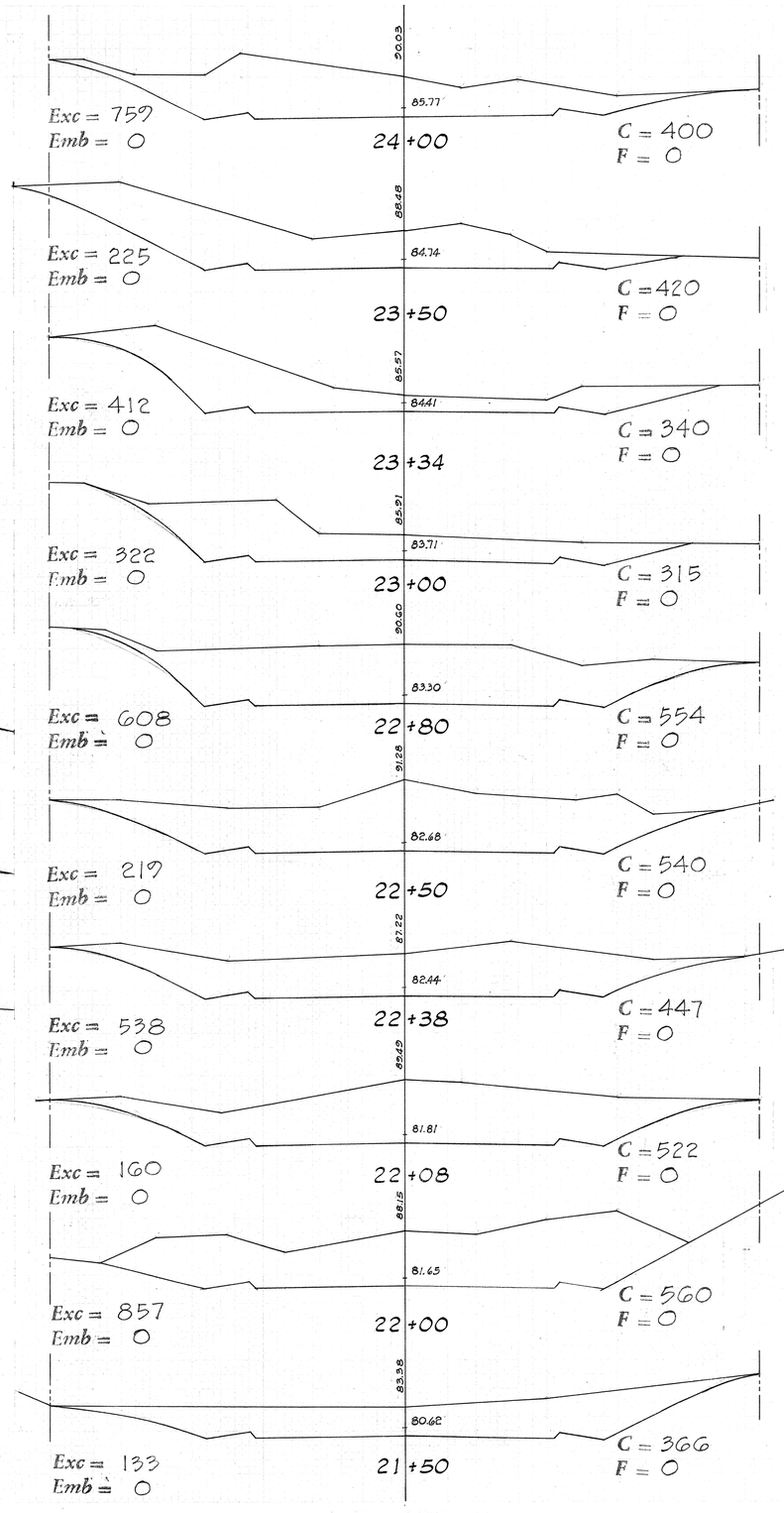
Exc = 34
Emb = 54
67.67 63.81
16+50
C = 26
F = 49

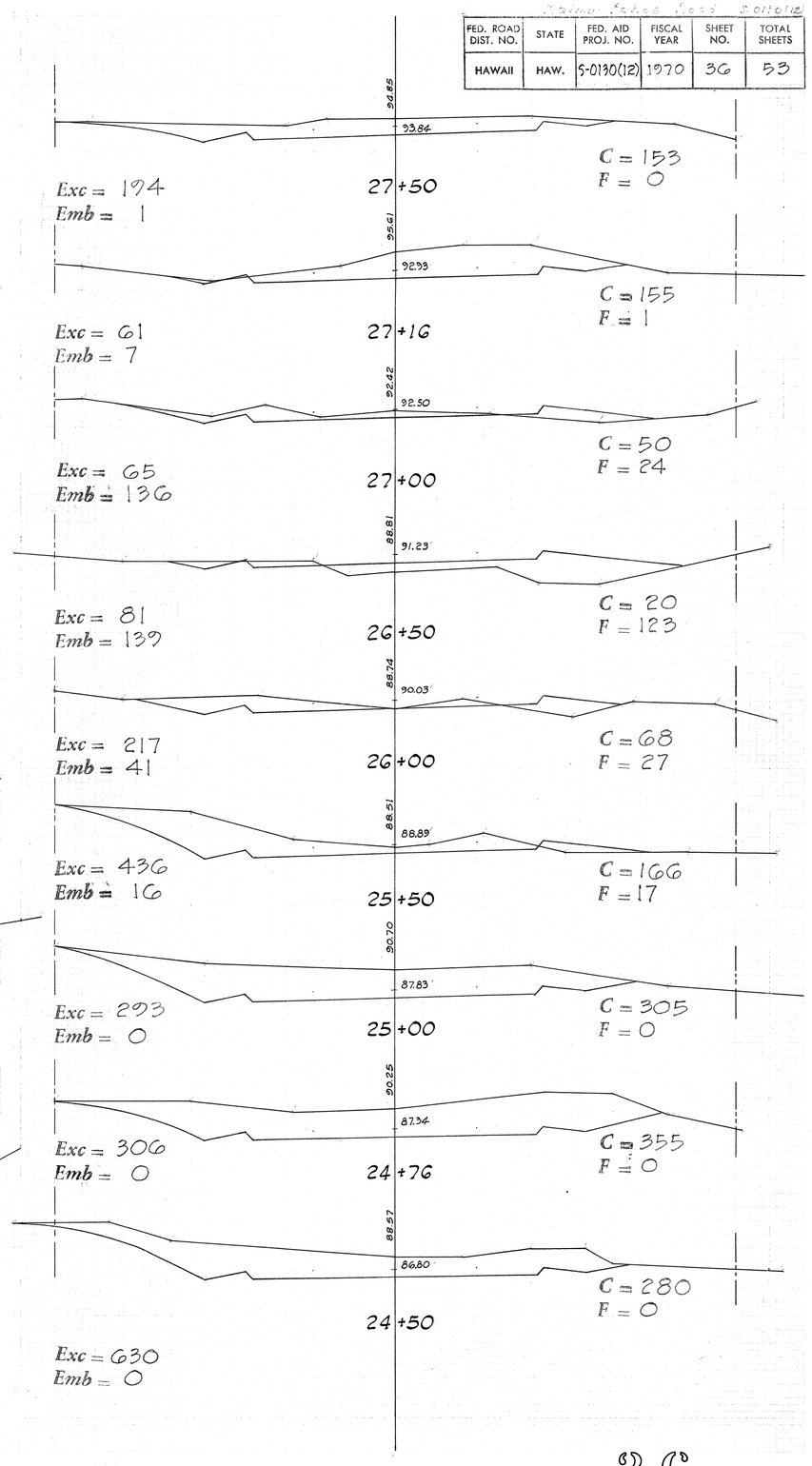
Exc = 27
Emb = 11
66.11 68.90
16+15
C = 27
F = 34

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	36	53

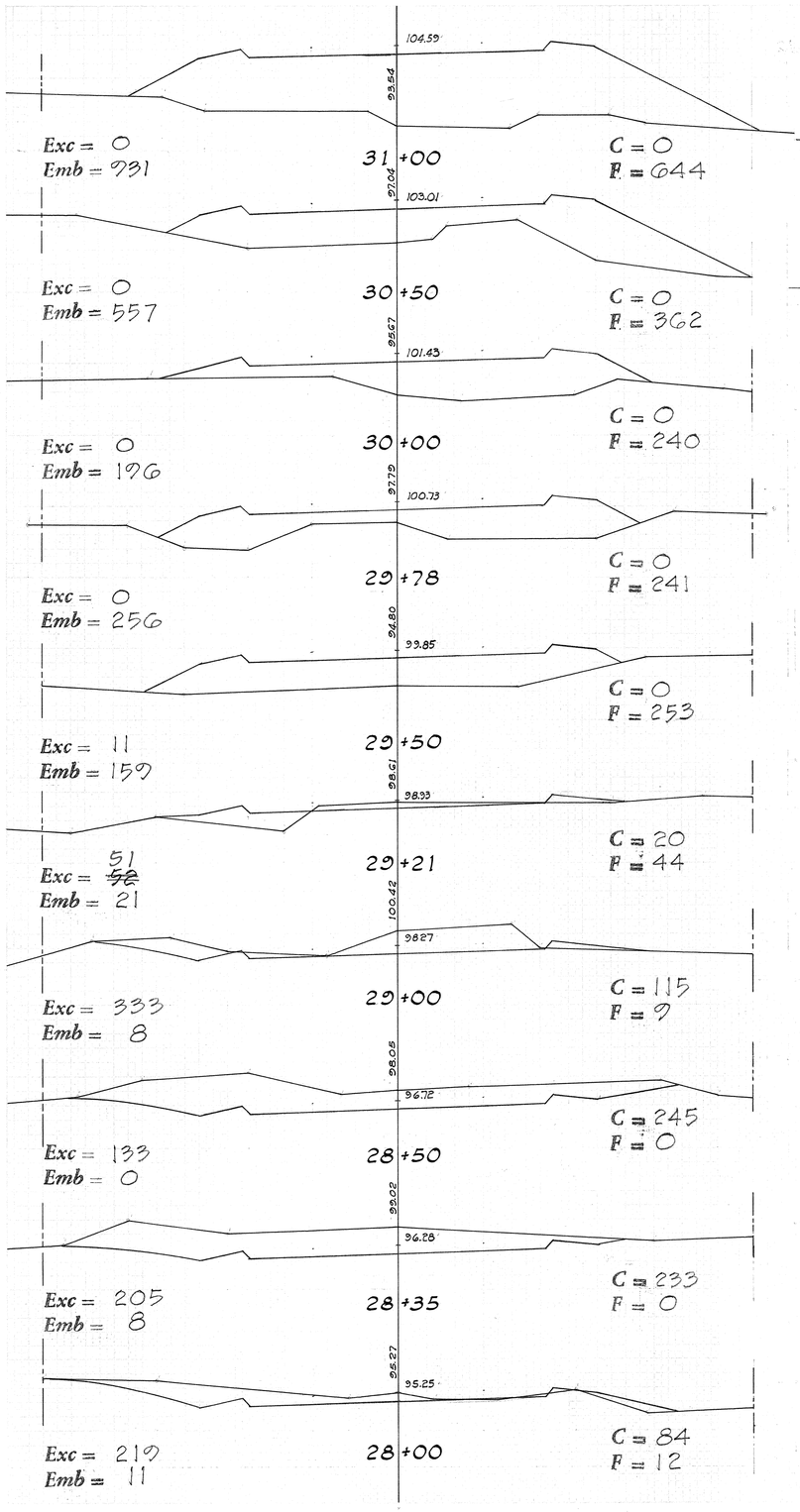
Kaimu Setback Road S-0130(12)

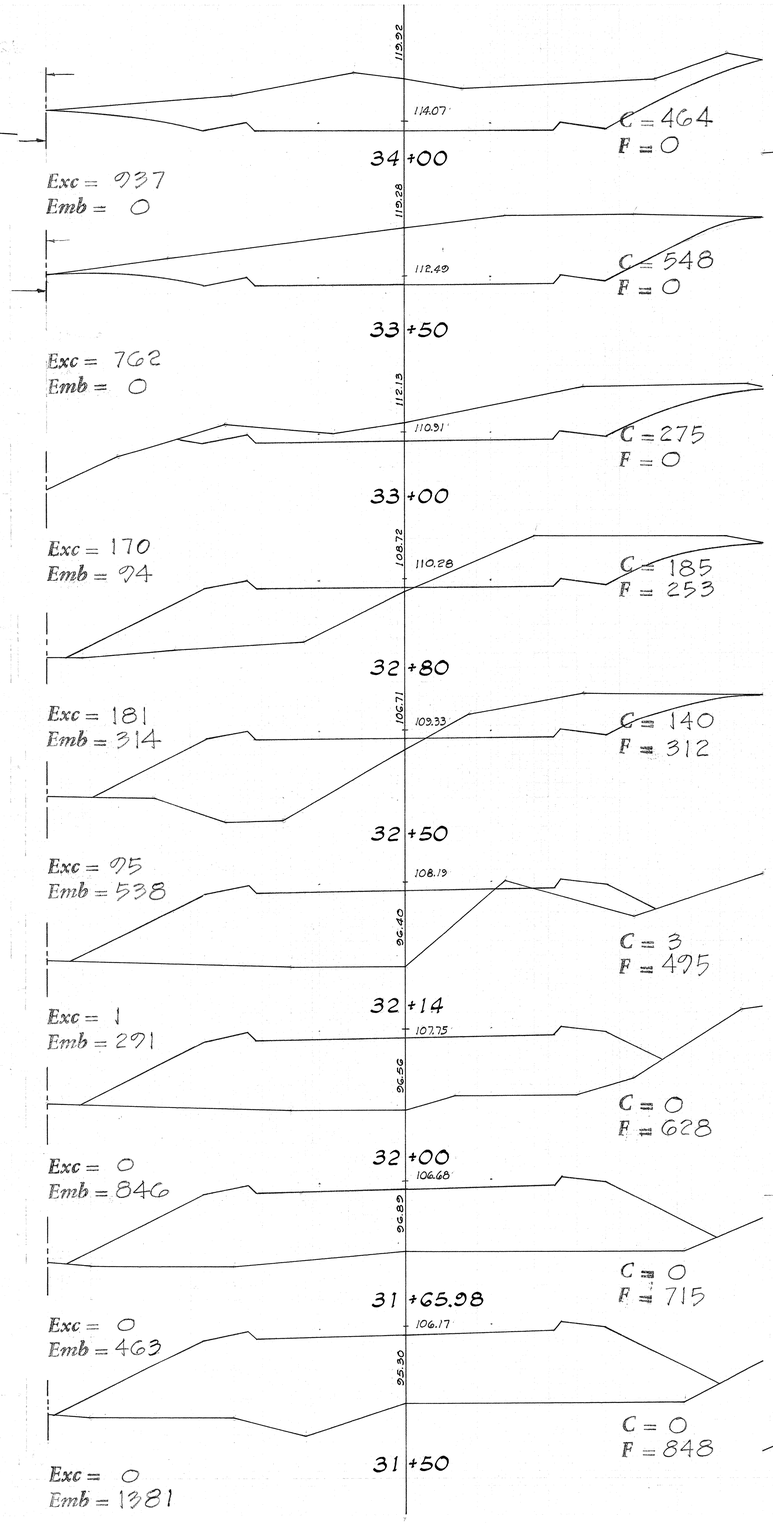


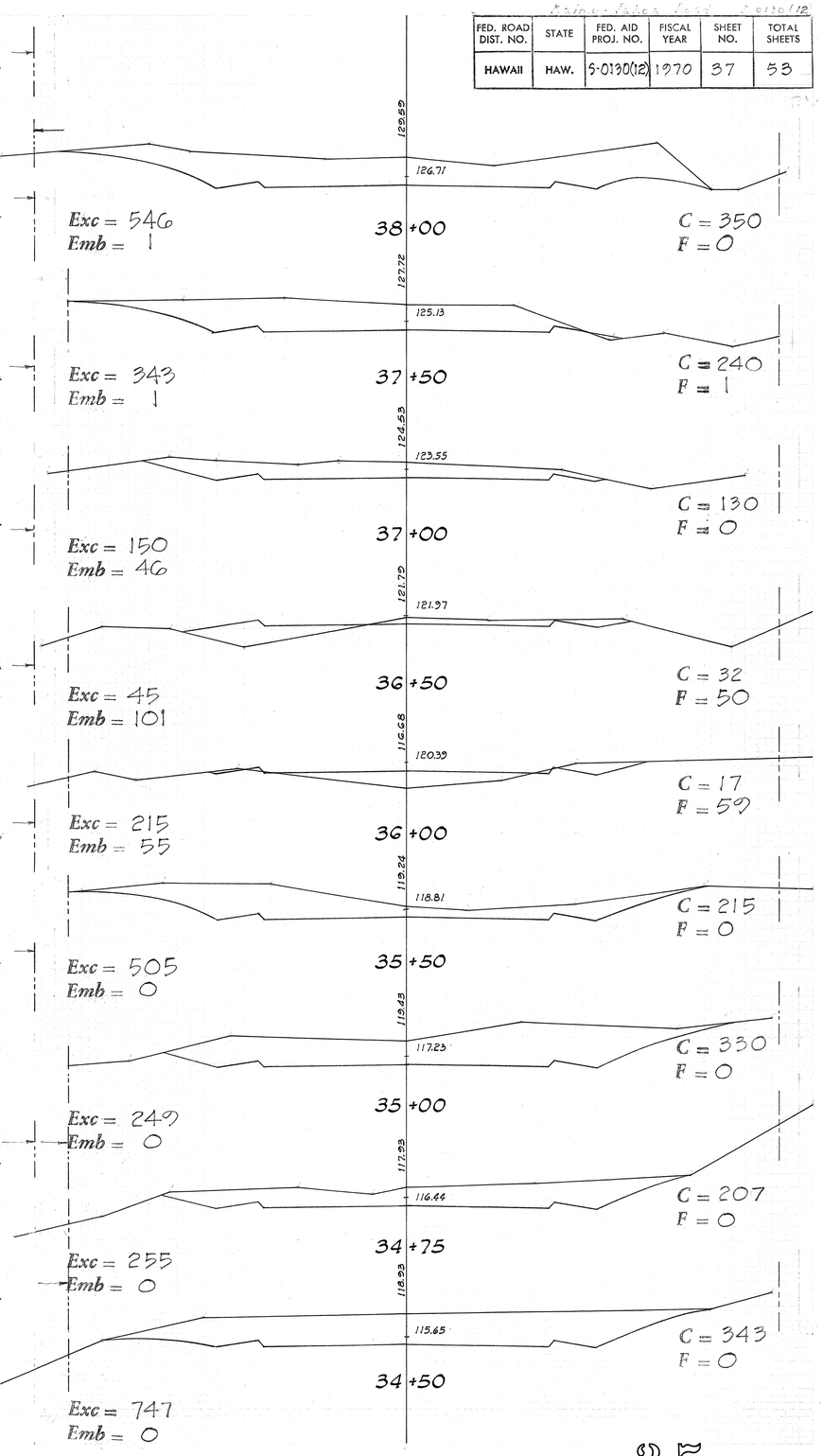




FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	37	53







Kainui Tabor Road S-0130(12)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	38	53

R/W

140.19 — 140.93 — 42+50 — C = 13, F = 9 — Exc = 88, Emb = 10

139.20 — 139.35 — 42+00 — C = 82, F = 2 — Exc = 160, Emb = 6

135.17 — 137.77 — 41+50 — C = 91, F = 4 — Exc = 186, Emb = 4

137.87 — 136.19 — 41+00 — C = 110, F = 0 — Exc = 269, Emb = 0

136.22 — 134.61 — 40+50 — C = 180, F = 0 — Exc = 383, Emb = 0

135.64 — 133.03 — 40+00 — C = 234, F = 0 — Exc = 339, Emb = 0

132.05 — 131.45 — 39+50 — C = 132, F = 0 — Exc = 375, Emb = 0

132.28 — 129.87 — 39+00 — C = 273, F = 0 — Exc = 568, Emb = 0

132.26 — 128.29 — 38+50 — C = 340, F = 0 — Exc = 639, Emb = 0

R/W

148.43 — 151.39 — 46+00 — C = 280, F = 0 — Exc = 173, Emb = 0

157.24 — 151.52 — 45+85 — C = 344, F = 0 — Exc = 109, Emb = 0

153.39 — 151.20 — 45+75 — C = 242, F = 0 — Exc = 228, Emb = 1

152.52 — 150.41 — 45+50 — C = 250, F = 3 — Exc = 474, Emb = 3

154.04 — 148.83 — 45+00 — C = 283, F = 0 — Exc = 484, Emb = 0

150.17 — 147.23 — 44+50 — C = 240, F = 0 — Exc = 492, Emb = 0

142.91 — 145.67 — 44+00 — C = 291, F = 0 — Exc = 484, Emb = 0

147.86 — 144.09 — 43+50 — C = 232, F = 0 — Exc = 375, Emb = 0

143.24 — 142.51 — 43+00 — C = 173, F = 0 — Exc = 172, Emb = 8

R/W

166.72 — e.p. e.p. — 164.84 — 50+08 — C = 236, F = 0 — Exc = 77, Emb = 0

159.56 — e.p. e.p. — 164.63 — 50+00 — C = 285, F = 0 — Exc = 611, Emb = 0

162.21 — e.p. e.p. — 163.05 — 49+50 — C = 375, F = 0 — Exc = 627, Emb = 0

164.97 — e.p. e.p. — 161.47 — 49+00 — C = 302, F = 0 — Exc = 656, Emb = 0

163.75 — e.p. e.p. — 159.89 — 48+50 — C = 407, F = 0 — Exc = 721, Emb = 0

162.52 — e.p. e.p. — 158.31 — 48+00 — C = 372, F = 0 — Exc = 604, Emb = 0

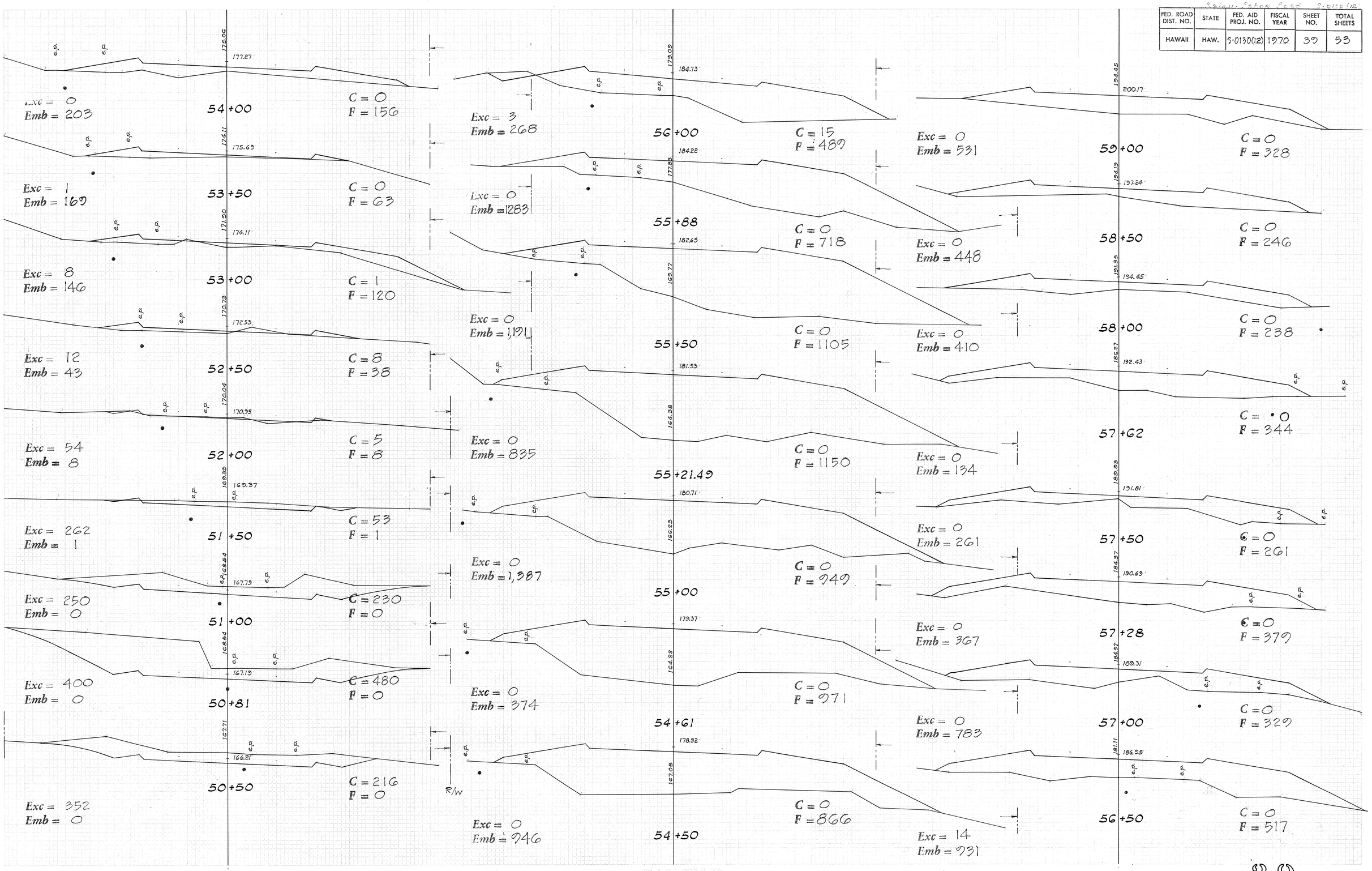
160.01 — e.p. e.p. — 156.73 — 47+50 — C = 280, F = 0 — Exc = 494, Emb = 1

156.16 — e.p. — 155.15 — 47+00 — C = 253, F = 1 — Exc = 481, Emb = 1

155.46 — 153.57 — 46+50 — C = 267, F = 0 — Exc = 506, Emb = 0

Kaiau-Kapaa Road S-0130(12)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	39	53



Kaupo Beach Road S-0130(12)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	40	53

R/W

R/W 65'

Stonewall

Exc = 119	G3+00	C = 94	
Emb = 405		F = 32	
Exc = 32	G2+50	C = 35	
Emb = 1110		F = 405	
Exc = 0	G2+00	C = 0	
Emb = 364		F = 794	
Exc = 11	G1+88	C = 0	
Emb = 1045		F = 844	
Exc = 29	G1+50	C = 15	
Emb = 1061		F = 641	
Exc = 15	G1+00	C = 16	
Emb = 894		F = 505	
Exc = 0	G0+50	C = 0	
Emb = 865		F = 460	
Exc = 0	G0+00	C = 0	
Emb = 774		F = 474	
Exc = 0	59+50	C = 0	
Emb = 639		F = 362	

Exc = 1412	GG+50	C = 717	
Emb = 0		F = 0	
Exc = 1267	GG+00	C = 808	
Emb = 0		F = 0	
Exc = 883	G5+50	C = 560	
Emb = 0		F = 0	
Exc = 696	G5+00	C = 394	
Emb = 0		F = 0	
Exc = 378	G4+50	C = 358	
Emb = 45		F = 0	
Exc = 102	G4+00	C = 50	
Emb = 105		F = 49	
Exc = 143	G3+50	C = 60	
Emb = 89		F = 64	

Exc = 1250	70+00	C = 608	
Emb = 0		F = 0	
Exc = 1332	69+50	C = 742	
Emb = 0		F = 0	
Exc = 1509	69+00	C = 697	
Emb = 0		F = 0	
Exc = 1577	68+50	C = 933	
Emb = 0		F = 0	
Exc = 1514	68+00	C = 770	
Emb = 0		F = 0	
Exc = 1507	G7+50	C = 865	
Emb = 0		F = 0	
Exc = 1370	G7+00	C = 763	
Emb = 0		F = 0	

41 (1)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	41	53

FINAL SURVEY — NOTE BOOK ____ ND. ____ — SURVEYED ____ PLOTTED ____ TRIANGLE ____ AREAS ____ — BY ____ DATE ____ — AREAS CHECKED

ORIGINAL SURVEY — NOTE BOOK ____ — SURVEYED ____ PLOTTED ____ TRIANGLE ____ AREAS ____ — BY ____ DATE ____ — AREAS CHECKED

R/W 70'

276.85 — 270.71 — 74+33 — Exc. 337 Emb. 168 — Cut 534 Fill 0

265.44 — 270.30 — 74+00 — Exc. 44 Emb. 295 — Cut 20 Fill 275

267.82 — 269.57 — 73+50 — Exc. 118 Emb. 53 — Cut 28 Fill 44

243.56 — 268.70 — 73+00 — Exc. 423 Emb. 12 — Cut 90 Fill 13

217.65 — 267.69 — 72+50 — Exc. 844 Emb. 0 — Cut 358 Fill 0

R/W 70'

217.41 — 266.55 — 72+00 — Exc. 978 Emb. 0 — Cut 554 Fill 0

217.46 — 265.27 — 71+50 — Exc. 870 Emb. 0 — Cut 502 Fill 0

269.51 — 263.85 — 71+00 — Exc. 991 Emb. 0 — Cut 438 Fill 0

279.76 — 262.20 — 70+50 — Exc. 1148 Emb. 0 — Cut 632 Fill 0

275.27 — 272.60 — 77+15 — Exc. 242 Emb. 0 — Cut 371 Fill 0

279.13 — 272.42 — 77+00 — Exc. 985 Emb. 0 — Cut 502 Fill 0

279.79 — 272.17 — 76+50 — Exc. 1051 Emb. 0 — Cut 562 Fill 0

279.77 — 271.92 — 76+00 — Exc. 741 Emb. 0 — Cut 573 Fill 0

279.98 — 271.77 — 75+70 — Exc. 570 Emb. 0 — Cut 761 Fill 0

284.42 — 271.67 — 75+50 — Exc. 574 Emb. 0 — Cut 802 Fill 0

280.02 — 271.56 — 75+30 — Exc. 826 Emb. 0 — Cut 749 Fill 0

281.60 — 271.35 — 75+00 — Exc. 1227 Emb. 0 — Cut 738 Fill 0

276.21 — 270.80 — 74+50 — Exc. 353 Emb. 0 — Cut 587 Fill 0

R/W 112'±

279.70 — 273.70 — E.P. — E.P. — 79+56 — Exc. 74 Emb. 1 — Cut 310 Fill 3

R/W 114'±

280.47 — 273.67 — E.P. — E.P. — 79+50 — Exc. 1028 Emb. 4 — Cut 360 Fill 4

R/W 120'±

278.84 — 273.42 — E.P. — 79+00 — Exc. 1329 Emb. 0 — Cut 750 Fill 0

280.02 — 273.17 — 78+50 — Exc. 999 Emb. 0 — Cut 685 Fill 0

277.23 — 272.92 — 78+00 — Exc. 220 Emb. 0 — Cut 394 Fill 0

277.10 — 272.86 — 77+87 — Exc. 133 Emb. 40 — Cut 518 Fill 0

284.19 — 272.72 — 77+80 — Exc. 491 Emb. 2 — Cut 509 Fill 3

277.48 — 272.67 — 77+50 — Exc. 483 Emb. 0 — Cut 374 Fill 0

40 30 20 10 ℄ 10 20 30 40 5 40 30 20 10 ℄ 10 20 30 40 5 5 40 30 20 10 ℄ 10 20 30

LATE 3 CROSS SECTION ℄ P. R. & R. E. STANDARD
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EUGENE DIETZGEN CO.

41 53

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	42	53

FINAL SURVEY — SURVEYED BY; PLOTTED; TEMPLATE; AREAS; AREAS CHECKED; NOTE BOOK; NO.

ORIGINAL SURVEY — SURVEYED BY; PLOTTED; TEMPLATE; AREAS; AREAS CHECKED; NOTE BOOK; NO.

DATE 12/67

BY H. Abe

83 +00 — 275.42 — 269.12 — Exc. 2, Emb. 867 — Cut 2, Fill 356

82 +50 — 275.17 — 269.45 — Exc. 6, Emb. 828 — Cut 0, Fill 570

82 +00 — 274.92 — 269.54 — Exc. 25, Emb. 527 — Cut 7, Fill 324 — R/W 82'±

81 +50 — 274.67 — 271.30 — Exc. 19, Emb. 608 — Cut 20, Fill 245 — R/W 89'±

81 +00 — 274.42 — 268.97 — Exc. 0, Emb. 761 — Cut 0, Fill 412 — R/W 98'±

80 +50 — 274.17 — 267.26 — Exc. 31, Emb. 450 — Cut 0, Fill 410 — R/W 105'±

80 +18 — 274.01 — 266.93 — Exc. 46, Emb. 217 — Cut 52, Fill 349 — R/W 107'±

80 +00 — 273.92 — 270.84 — Exc. 17, Emb. 51 — Cut 85, Fill 302 — R/W 108'±

79 +95 — 273.90 — 272.84 — Exc. 104, Emb. 143 — Cut 103, Fill 248 — R/W 112'±

79 +65 — 273.75 — 273.34 — Exc. 93, Emb. 2 — Cut 246, Fill 9

87 +00 — 284.76 — 270.87 — Exc. 0, Emb. 1,861 — Cut 0, Fill 1319

86 +50 — 282.78 — 273.39 — Exc. 0, Emb. 1,352 — Cut 0, Fill 691

86 +00 — 281.05 — 270.47 — Exc. 0, Emb. 1,412 — Cut 0, Fill 769

85 +50 — 279.93 — 268.52 — Exc. 0, Emb. 1,622 — Cut 0, Fill 756

85 +00 — 278.26 — 266.85 — Exc. 0, Emb. 2,020 — Cut 0, Fill 996

84 +50 — 277.20 — 263.14 — Exc. 5, Emb. 1,024 — Cut 0, Fill 1186

84 +05 — 276.46 — 263.15 — Exc. 1, Emb. 173 — Cut 6, Fill 1123

84 +00 — 276.38 — 265.83 — Exc. 4, Emb. 1,099 — Cut 4, Fill 963

83 +50 — 275.78 — 272.91 — Exc. 2, Emb. 537 — Cut 0, Fill 224

90 +00 — 300.92 — 301.44 — R/W 65' — Exc. 116, Emb. 552 — Cut 125, Fill 20

89 +50 — 297.98 — 290.92 — MATCH LINE — R/W 70' — Exc. 0, Emb. 579 — Cut 0, Fill 576

89 +00 — 294.98 — 279.53 — MATCH LINE — Exc. 0, Emb. 2,284 — Cut 0, Fill 1129

88 +50 — 292.03 — 277.34 — MATCH LINE — Exc. 0, Emb. 2,107 — Cut 0, Fill 1338

88 +00 — 289.38 — 276.47 — MATCH LINE — R/W 90' — Exc. 0, Emb. 1,866 — Cut 0, Fill 1035

87 +50 — 286.95 — 274.36 — MATCH LINE — R/W 90' — Exc. 0, Emb. 1,052 — Cut 0, Fill 980

87 +25 — 285.83 — 268.81 — MATCH LINE — R/W 90' — Exc. 0, Emb. 1,209 — Cut 0, Fill 1292

E.P.

5 40 30 20 10 ℄ 10 20 30 40 5 — 5 40 30 20 10 ℄ 10 20 30 40 5 — 5 40 30 40 — 5 40 30 20 10 ℄ 10 20 30 40 5

PLATE 3 CROSS SECTION P. R. & R. E. STANDARD
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EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	43	53

FINAL SURVEY — SURVEYED — DRAWN — TEMPLATE — AREAS — AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED — DRAWN — TEMPLATE — AREAS — AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

318.36 — 318.92 — 93+00 — Exc. 243 Emb. 19 — Cut 144 Fill 14

315.80 — 315.92 — 92+50 — Exc. 228 Emb. 70 — Cut 118 Fill 6

312.99 — 312.92 — 92+00 — Exc. 400 Emb 66 — Cut 128 Fill 70

312.23 — 309.92 — 91+50 — Exc. 216 Emb. 0 — Cut 304 Fill 1

312.07 — 308.72 — 91+30 — Exc. 200 Emb. 21 — Cut 280 Fill 0

306.22 — 306.92 — 91+00 — Exc. 284 Emb. 67 — Cut 80 Fill 37

304.57 — 303.92 — 90+50 — Exc. 270 Emb. 18 — Cut 227 Fill 38

305.56 — 302.42 — 90+25 — Exc. 223 Emb. 9 — Cut 356 Fill 0

342.02 — 339.92 — 96+50 — Exc. 512 Emb. 0 — Cut 224 Fill 0

340.31 — 336.92 — 96+00 — Exc. 674 Emb. 0 — Cut 329 Fill 0

338.14 — 333.92 — 95+50 — Exc. 737 Emb. 0 — Cut 399 Fill 0

335.25 — 330.92 — 95+00 — Exc. 317 Emb. 0 — Cut 397 Fill 0

333.78 — 329.60 — 94+78 — Exc. 104 Emb. 0 — Cut 382 Fill 0

328.73 — 329.00 — 94+68 — Exc. 123 Emb. 0 — Cut 182 Fill 0

327.10 — 327.92 — 94+50 — Exc. 273 Emb. 24 — Cut 180 Fill 0

325.64 — 324.92 — 94+00 — Exc. 239 Emb. 65 — Cut 109 Fill 26

323.73 — 321.92 — 93+50 — Exc. 271 Emb. 54 — Cut 149 Fill 44

361.23 — 360.84 — E.P. — 100+00 — Exc. 136 Emb. 69 — Cut 64 Fill 38

358.89 — 357.00 — E.P. — 99+50 — Existing 8" D.I. Pipe — New Location — Exc. 231 Emb. 35 — Cut 83 Fill 36

355.46 — 354.92 — E.P. — 99+00 — Exc. 170 Emb. 2 — Cut 166 Fill 2

358.11 — 353.72 — E.P. — 98+80 — Exc. 145 Emb. 1 — Cut 293 Fill 4

356.24 — 352.82 — E.P. — 98+65 — Exc. 118 Emb. 0 — Cut 228 Fill 0

353.06 — 351.92 — E.P. — 98+50 — Exc. 311 Emb. 22 — Cut 198 Fill 0

349.01 — 348.92 — E.P. — 98+00 — Exc. 274 Emb. 22 — Cut 138 Fill 24

347.40 — 345.92 — 97+50 — Exc. 444 Emb. 0 — Cut 158 Fill 0

344.90 — 342.92 — 97+00 — Exc. 506 Emb. 0 — Cut 322 Fill 0

5 40 30 20 10 ℄ 10 20 30 40 5 — PLATE 3 CROSS SECTION P. R. & R. E. STANDARD

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EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	44	53

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE — 1962

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE — 12-62

383.01 — 104+00 — 383.02 — E.P. — E.P. — Cut 519 • Fill 0 — Exc. 1003 Emb. 0

380.37 — 103+50 — 387.66 — E.P. — Cut • 564 Fill 0 — Exc. 1094 Emb. 0

377.70 — 103+00 — 325.27 — Cut 618 Fill 0 — Exc. 1218 Emb. 0

374.08 — 102+50 — 383.51 — Cut 607 Fill 0 — Exc. 1344 Emb. 0

372.23 — 102+00 — 381.02 — Cut 754 Fill 0 — Exc. 1339 Emb. 0

369.44 — 101+50 — 378.25 — E.P. — Cut 692 Fill 0 — Exc. 1055 Emb. 0

366.61 — 101+00 — 372.94 — E.P. — E.P. — Cut 447 Fill 0 — Exc. 710 Emb. 0

363.75 — 100+50 — 367.50 — E.P. — E.P. — Cut 320 Fill 0 — Exc. 211 Emb. 0

362.42 — 100+27 — 362.70 — E.P. — E.P. — Cut 175 Fill 0 — Exc. 120 Emb. 19

407.27 — 109+00 — 401.45 — Cut 0 Fill 331 — Exc. 0 Emb. 525

405.02 — 108+50 — 401.10 — E.P. — E.P. — Cut 0 Fill 236 — Exc. 35 Emb. 288

402.72 — 108+00 — 400.01 — E.P. — E.P. — Cut 38 Fill 75 — Exc. 138 Emb. 73

400.40 — 107+50 — 401.53 — E.P. — Cut 111 Fill 4 — Exc. 292 Emb. 4

398.02 — 107+00 — 399.78 — E.P. — E.P. — Cut 204 Fill 0 — Exc. 459 Emb. 0

395.62 — 106+50 — 397.38 — E.P. — E.P. — Cut 292 Fill 0 — Exc. 603 Emb. 0

393.17 — 106+00 — 396.02 — E.P. — E.P. — Cut 359 Fill 0 — Exc. 726 Emb. 0

390.69 — 105+50 — 394.65 — E.P. — E.P. — Cut 425 Fill 0 — Exc. 875 Emb. 0

388.17 — 105+00 — 393.45 — E.P. — E.P. — Cut 520 Fill 0 — Exc. 1036 Emb. 0

385.61 — 104+50 — 394.02 — E.P. — E.P. — Cut 599 Fill 0 — Exc. 1035 Emb. 0

423.90 — 112+72 — 421.77 — R/W 65' — Cut 0 Fill 217 — Exc. 0 Emb. 233

422.92 — 112+50 — 418.17 — R/W 65' — Cut 0 Fill 356 — Exc. 0 Emb. 1101

420.68 — 112+00 — 409.45 — R/W 65' — Cut 0 Fill 833 — Exc. 0 Emb. 684

419.56 — 111+75 — 411.77 — R/W 65' — Cut 0 Fill 645 — Exc. 0 Emb. 625

418.45 — 111+50 — 408.27 — R/W 65' — Cut 0 Fill 704 — Exc. 0 Emb. 1246

416.21 — 111+00 — 406.53 — R/W 65' — Cut 0 Fill 642 — Exc. 0 Emb. 1474

413.08 — 110+50 — 402.02 — R/W 70' — Cut 0 Fill 950 — Exc. 0 Emb. 1,814

411.74 — 110+00 — 399.44 — R/W 70' — Cut 0 Fill 1009 — Exc. 0 Emb. 1567

409.51 — 109+50 — 399.17 — R/W 70' — Cut 0 Fill 683 — Exc. 0 Emb. 989

40 30 20 10 ℄ 10 20 30 40 — LATE 3 CROSS SECTION — STANDARD P. R. A. R. E.

100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

41 42

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S0130(12)	1970	45	53

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / NOTE BOOK / NO. / AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / NOTE BOOK / NO. / AREAS CHECKED — BY — DATE

R/W 60'

116 +50 — 440.80 — Cut 411 Fill 0 — Exc. 840 Emb. 0

116 +00 — 438.56 — Cut 496 Fill 0 — Exc. 848 Emb. 0

115 +50 — 436.33 — Cut 420 Fill 0 — Exc. 680 Emb. 0

115 +00 — 434.09 — Cut 314 Fill 0 — Exc. 388 Emb. 0

114 +50 — 431.86 — Cut 105 Fill 0 — Exc. 175 Emb. 2

114 +00 — 420.62 — Cut 84 Fill 2 — Exc. 146 Emb. 51

113 +50 — 427.39 — Cut 74 Fill 53 — Exc. 86 Emb. 218

113 +00 — 425.15 — Cut 19 Fill 176 — Exc. 10 Emb. 204

121 +00 — 460.91 — Cut 24 Fill 241 — Exc. 22 Emb. 725

120 +50 — 458.68 — Cut 0 Fill 542 — Exc. 0 Emb. 1,117

120 +00 — 456.44 — Cut 0 Fill 658 — Exc. 0 Emb. 1,334

119 +50 — 454.21 — Cut 0 Fill 783 — Exc. 0 Emb. 1,212

119 +00 — 451.97 — Cut 0 Fill 526 — Exc. 0 Emb. 859

118 +50 — 449.74 — Cut 0 Fill 402 — Exc. 34 Emb. 372

118 +00 — 447.50 — Cut 37 Fill 0 — Exc. 119 Emb. 0

117 +50 — 445.27 — Cut 91 Fill 0 — Exc. 362 Emb. 0

117 +00 — 443.03 — Cut 300 Fill 0 — Exc. 658 Emb. 0

125 +00 — 478.79 — Cut 693 Fill 0 — Exc. 1360 Emb. 0

124 +50 — 476.56 — Cut 776 Fill 0 — Exc. 1354 Emb. 0

8" Ductile Iron Pipe

124 +00 — 474.32 — Cut 696 Fill 0 — Exc. 1285 Emb. 0

123 +50 — 472.09 — Cut 702 Fill 0 — Exc. 1348 Emb. 0

123 +00 — 469.85 — Cut 754 Fill 0 — Exc. 1244 Emb. 0

Existing 8" Pipe

122 +50 — 467.62 — Cut 589 Fill 0 — Exc. 853 Emb. 0

1-8" 45° Bend
1-8" 11¼ Bend
1-1" Air Valve & Box
Conc. Block

1-8" 11¼ Bend
Conc. Block

1-8" 90° Bend
Conc. Block

1-8" 22½° Bend
1-2" Cleanout w/box
(Tap bottom site w/saddle)
Conc. Block

122 +00 — 465.38 — Cut 332 Fill 0 — Exc. 376 Emb. 47

121 +50 — 463.15 — Cut 74 Fill 53 — Exc. 91 Emb. 272

40 30 20 10 ℄ 10 20 30 40

PLATE 3 CROSS SECTION — P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

45 53

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	46	53

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

495.11 — 496.67 — 129+00 — Exc. 31 Emb. 180 — Cut 33 Fill 14

489.62 — 494.44 — 128+50 — Exc. 0 Emb. 326 — Cut 0 Fill 180

488.36 — 492.20 — 128+00 — Exc. 315 Emb. 159 — Cut 0 Fill 172

490.96 — 492.27 — 127+50 — Exc. 809 Emb. 0 — Cut 340 Fill 0

495.81 — 487.73 — 127+00 — Exc. 827 Emb. 0 — Cut 534 Fill 0

489.59 — 489.50 — 126+50 — Exc. 952 Emb. 0 — Cut 359 Fill 0

492.22 — 489.26 — 126+00 — Exc. 1085 Emb. 0 — Cut 669 Fill 0

487.01 — 481.03 — 125+50 — Exc. 1107 Emb. 0 — Cut 503 Fill 0

510.12 — 516.79 — 133+50 — Exc. 0 Emb. 995 — Cut 0 Fill 562

507.40 — 514.55 — 133+00 — Exc. 0 Emb. 1,005 — Cut 0 Fill 513

8" Ductile Pipe

503.44 — 512.32 — 132+50 — Exc. 0 Emb. 1,017 — Cut 0 Fill 572

503.19 — 510.08 — 132+00 — Exc. 0 Emb. 1,064 — Cut 0 Fill 526

493.16 — 507.85 — 131+50 — Exc. 0 Emb. 1,070 — Cut 0 Fill 623

498.04 — 503.61 — 131+00 — Exc. 0 Emb. 816 — Cut 0 Fill 533

496.26 — 503.38 — 130+50 — Exc. 7 Emb. 450 — Cut 0 Fill 348

498.51 — 501.14 — 130+00 — Exc. 40 Emb. 217 — Cut 8 Fill 148

497.12 — 498.91 — 129+50 — Exc. 63 Emb. 95 — Cut 35 Fill 89

537.63 — 532.43 — 137+00 — Exc. 836 Emb. 0 — Cut 516 Fill 0

534.97 — 530.20 — 136+50 — Exc. 730 Emb. 0 — Cut 387 Fill 0

533.24 — 527.96 — 136+00 — Exc. 569 Emb. 0 — Cut 401 Fill 0

528.96 — 525.79 — 135+50 — Exc. 332 Emb. 56 — Cut 214 Fill 0

521.68 — 523.49 — 135+00 — Exc. 216 Emb. 100 — Cut 145 Fill 61

520.90 — 521.26 — 134+50 — Exc. 45 Emb. 40 — Cut 88 Fill 47

521.41 — 520.50 — 134+33 — Exc. 34 Emb. 143 — Cut 55 Fill 80

515.62 — 519.02 — 134+00 — R/W 65' — Exc. 0 Emb. 149 — Cut 0 Fill 154

514.91 — 517.90 — 133+75 — R/W 65' — Exc. 0 Emb. 338 — Cut 0 Fill 168

40 30 20 10 ℄ 10 20 30 40

PLATE 3 CROSS SECTION ℄ P. R. & R. E. STANDARD

100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	47	53

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE — H. Abe — 12/69 — Sheeted

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

544.09	542.84	541.66	540.87	542.87	541.68	539.51	544.97
139+83	139+50	139+20	139+00	138+66	138+50	138+00	137+50
Exc. 119 Emb. 120	Exc. 279 Emb. 0	Exc. 224 Emb. 0	Exc. 526 Emb. 0	Exc. 342 Emb. 0	Exc. 812 Emb. 0	Exc. 546 Emb. 0	Exc. 751 Emb. 0
Cut 32 Fill 106	Cut 162 Fill 0	Cut 340 Fill 0	Cut 265 Fill 0	Cut 571 Fill 0	Cut 582 Fill 0	Cut 295 Fill 0	Cut 295 Fill 0
554.79	553.28	551.69	550.87	550.04	548.33	546.56	544.75
143+00	142+50	142+00	141+75	141+50	141+00	140+50	140+00
Exc. 423 Emb. 357	Exc. 11 Emb. 1,735	Exc. 0 Emb. 1507	Exc. 0 Emb. 1521	Exc. 0 Emb. 2,160	Exc. 24 Emb. 972	Exc. 24 Emb. 444	Exc. 10 Emb. 139
Cut 445 Fill 0	Cut 12 Fill 386	Cut 0 Fill 1488	Cut 0 Fill 1768	Cut 0 Fill 1518	Cut 0 Fill 815	Cut 26 Fill 235	Cut 0 Fill 245
564.75	564.10	563.73	562.64	561.48	560.27	558.22	556.26
147+00	146+68	146+50	146+00	145+50	145+00	144+50	143+50
Exc. 74 Emb. 17	Exc. 20 Emb. 27	Exc. 20 Emb. 137	Exc. 166 Emb. 124	Exc. 258 Emb. 85	Exc. 271 Emb. 48	Exc. 777 Emb. 15	Exc. 1365 Emb. 0
Cut 71 Fill 17	Cut 54 Fill 12	Cut 5 Fill 70	Cut 26 Fill 78	Cut 153 Fill 56	Cut 126 Fill 36	Cut 167 Fill 16	Cut 672 Fill 0

PLATE 3 CRIB SECTION ℄ P. R. & R. E. STANDARD

100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
HAWAII	HAW.	S-0130(2)	1970	48	53

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — AREAS CHECKED — BY — DATE

570.82	572.00	151+50	Exc. 91 Emb. 254	R/W 90'	Cut 20 Fill 148		
570.29	571.25	151+00	Exc. 107 Emb. 453	R/W 90'	Cut 78 Fill 126		
569.73	570.50	150+50	Exc. 35 Emb. 688	R/W 90'	Cut 38 Fill 363		
563.92	569.75	150+00	Exc. 0 Emb. 731	R/W 80'	Cut 0 Fill 380		
562.90	569.00	149+50	Exc. 6 Emb. 643	R/W 80'	Cut 0 Fill 410		
564.91	568.25	147+00	Exc. 6 Emb. 495	R/W 80'	Cut 7 Fill 284		
562.92	567.47	148+50	Exc. 47 Emb. 274	R/W 80'	Cut 0 Fill 251		
564.95	566.63	148+00	Exc. 67 Emb. 239		Cut 53 Fill 67		
561.17	565.72	147+50	Exc. 20 Emb. 63	8"Ductile Pipe	Cut 21 Fill 191		
564.41	565.53	147+40	Exc. 116 Emb. 124		Cut 85 Fill 151		
581.05	580.76	156+00	Exc. 210 Emb. 13		Cut 178 Fill 24		
583.24	580.01	155+75	Exc. 214 Emb. 1		Cut 275 Fill 3		
581.47	579.28	155+50	Exc. 465 Emb. 0		Cut 187 Fill 0		
581.29	577.97	155+00	Exc. 403 Emb. 65		Cut 315 Fill 0		
576.63	576.82	154+50	Exc. 111 Emb. 162		Cut 120 Fill 70		
573.44	575.83	154+00	Exc. 0 Emb. 575		Cut 0 Fill 105		
572.80	575.00	153+50	Exc. 0 Emb. 910		Cut 0 Fill 538		
569.85	574.25	153+00	Exc. 10 Emb. 819	8"Ductile Pipe	Cut 0 Fill 445		
567.63	573.50	152+50	Exc. 18 Emb. 831		Cut 11 Fill 439		
567.23	572.75	152+00	Exc. 26 Emb. 561		Cut 8 Fill 458		
574.27	600.90	160+50	Exc. 0 Emb. 487	R/W 65'	Cut 0 Fill 322		
575.14	598.23	160+00	Exc. 65 Emb. 304	R/W 65'	Cut 0 Fill 204		
592.36	595.55	159+50	Exc. 95 Emb. 151		Cut 70 Fill 124		
593.49	592.96	159+00	Exc. 31 Emb. 131		Cut 33 Fill 82		
588.97	590.52	158+50	Exc. 0 Emb. 374	R/W 70'	Cut 0 Fill 59		
583.97	588.25	158+00	Exc. 0 Emb. 715	R/W 70'	Cut 0 Fill 345		
580.77	586.13	157+50	Exc. 0 Emb. 711	R/W 70'	Cut 0 Fill 427		
577.34	584.19	157+00	Exc. 72 Emb. 372	R/W 70'	Cut 0 Fill 341		
580.27	582.39	156+50	Exc. 237 Emb. 59		Cut 78 Fill 61		

40 30 20 10 ℄ 10 20 30 40

PLATE 3 CROSS SECTION U. S. P. R. & R. E. STANDARD

100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(2)	1970	49	53

FINAL SURVEY — SURVEYED — PLOTTED — PLOT DATE — NOTE BOOK — PAGE NO. — AREAS CHECKED — BY — DATE — H. Abe — 12/67

ORIGINAL SURVEY — SURVEYED — PLOTTED — PLOT DATE — NOTE BOOK — PAGE NO. — AREAS CHECKED — BY — DATE

626.14 — 619.63 — 164+00 — Exc. 639 Emb. 17 — Cut 691 Fill 0

620.80 — 617.65 — 163+63 — Exc. 137 Emb. 7 — Cut 242 Fill 28

620.44 — 616.95 — 163+50 — Exc. 526 Emb. 0 — Cut 328 Fill 0

616.87 — 614.28 — 163+00 — Exc. 355 Emb. 17 — Cut 240 Fill 0

610.41 — 611.60 — 162+50 — Exc. 275 Emb. 57 — Cut 143 Fill 20

609.93 — 608.93 — 162+00 — Exc. 146 Emb. 270 — Cut 154 Fill 85

601.77 — 606.25 — 161+50 — Exc. 4 Emb. 676 — Cut 4 Fill 207

594.65 — 603.58 — 161+00 — Exc. 0 Emb. 725 — Cut 0 Fill 523

593.46 — 601.44 — 160+60 — Exc. 0 Emb. 144 — Cut 0 Fill 456

E.P. — 636.82 — 637.55 — 167+35 — Exc. 21 Emb. 67 — Cut 21 Fill 107

E.P. — 633.50 — 636.75 — 167+20 — Exc. 83 Emb. 89 — Cut 56 Fill 134

E.P. — 636.51 — 635.68 — 167+00 — Exc. 528 Emb. 97 — Cut 168 Fill 105

E.P. — 640.12 — 633.00 — 166+50 — Exc. 888 Emb. 0 — Cut 478 Fill 0

E.P. — 635.77 — 630.33 — 166+00 — Exc. 1011 Emb. 0 — Cut 481 Fill 0

E.P. — 635.46 — 627.65 — 165+50 — Exc. 1280 Emb. 0 — Cut 611 Fill 0

E.P. — 635.55 — 624.98 — 165+00 — Exc. 783 Emb. 0 — Cut 771 Fill 0

E.P. — 637.51 — 623.64 — 164+75 — Exc. 834 Emb. 0 — Cut 520 Fill 0

E.P. — 632.36 — 622.30 — 164+50 — Exc. 1456 Emb. 0 — Cut 882 Fill 0

E.P. — 651.09 — 657.08 — 171+00 — Exc. 21 Emb. 519 — Cut 23 Fill 267

E.P. — 649.14 — 654.40 — 170+50 — Exc. 0 Emb. 672 — Cut 0 Fill 203

646.29 — 651.73 — 170+00 — Exc. 0 Emb. 814 — Cut 0 Fill 433

643.89 — 649.05 — R/W 80' — 169+50 — Exc. 0 Emb. 1,119 — Cut 0 Fill 446

635.24 — 646.38 — R/W 80' — 169+00 — Exc. 0 Emb. 519 — Cut 0 Fill 762

637.87 — 645.31 — R/W 80' — 168+80 — Exc. 0 Emb. 730 — Cut 0 Fill 640

635.49 — 643.70 — R/W 80' — 168+50 — Exc. 0 Emb. 730 — Cut 0 Fill 674

634.77 — 641.03 — R/W 80' — 168+00 — Exc. 34 Emb. 496 — Cut 0 Fill 305

637.46 — 638.35 — 167+50 — Exc. 16 Emb. 43 — Cut 37 Fill 65

40 30 20 10 ℄ 10 20 30 40 — PLATE 3 CROSS SECTION ℄ P. R. & R. E. 10 STANDARD — 40 30 20 10 ℄ 10 20 30 40 — 40 30 20 10 ℄ 10 20 30

100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	50	53

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE — H. Abe — 12-67

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

Exc. 266 **Emb.** 0 — 173+76 — **Cut** 548 **Fill** 0

Exc. 278 **Emb.** 0 — 173+63 — **Cut** 558 **Fill** 0

Exc. 509 **Emb.** 0 — 173+50 — **Cut** 597 **Fill** 0

Exc. 441 **Emb.** 0 — 173+24 — **Cut** 648 **Fill** 0

Exc. 587 **Emb.** 28 — 173+00 — **Cut** 345 **Fill** 0

Exc. 467 **Emb.** 130 — 172+50 — **Cut** 280 **Fill** 30

Exc. 369 **Emb.** 102 — 172+00 — **Cut** 215 **Fill** 110

Exc. 102 **Emb.** 247 — 171+50 — **Cut** 184 **Fill** 0

Exc. 0 **Emb.** 1,095 — 176+50 — **Cut** 0 **Fill** 821

Exc. 39 **Emb.** 348 — 176+00 — **Cut** 0 **Fill** 362

8" Ductile Pipe

Exc. 41 **Emb.** 68 — 175+65 — **Cut** 60 **Fill** 175

Exc. 226 **Emb.** 30 — 175+50 — **Cut** 87 **Fill** 69

Exc. 93 **Emb.** 4 — 175+00 — **Cut** 157 **Fill** 17

Exc. 141 **Emb.** 0 — 174+88 — **Cut** 261 **Fill** 0

Exc. 334 **Emb.** 0 — 174+75 — **Cut** 323 **Fill** 0

Exc. 800 **Emb.** 0 — 174+50 — **Cut** 398 **Fill** 0

Exc. 453 **Emb.** 0 — 174+00 — **Cut** 472 **Fill** 0

Exc. 341 **Emb.** 12 — 180+50 — **Cut** 428 **Fill** 0

Exc. 217 **Emb.** 51 — 180+23.50 — **Cut** 266 **Fill** 24

Exc. 622 **Emb.** 87 — 180+00 — **Cut** 233 **Fill** 24

Exc. 482 **Emb.** 0 — 179+50 — **Cut** 439 **Fill** 0

Exc. 134 **Emb.** 78 — 179+00 — **Cut** 82 **Fill** 0

Exc. 58 **Emb.** 260 — 178+50 — **Cut** 63 **Fill** 84

Exc. 0 **Emb.** 910 — 178+00 — **Cut** 0 **Fill** 206

Exc. 0 **Emb.** 1,809 — 177+50 — **Cut** 0 **Fill** 777

Exc. 0 **Emb.** 1,850 — 177+00 — **Cut** 0 **Fill** 1177

R/W 85'

R/W 65'±

MATCH LINE

PLATE 3 CROSS SECTION U. S. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	51	53

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE 12/67

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

726.38 726.63 — Exc. 187 Emb. 19 — 184+00 — Cut 63 Fill 20
724.91 723.95 — Exc. 246 Emb. 5 — 183+50 — Cut 130 Fill 0
721.61 721.28 — Exc. 183 Emb. 2 — 183+00 — Cut 127 Fill 5
722.68 719.94 — Exc. 236 Emb. 0 — 182+75 — Cut 268 Fill 0
720.23 718.60 — Exc. 452 Emb. 0 — 182+50 — Cut 241 Fill 0
718.73 715.93 — Exc. 417 Emb. 0 — 182+00 — Cut 247 Fill 0
714.16 713.25 — Exc. 581 Emb. 0 — 181+50 — Cut 203 Fill 0
717.33 710.58 — Exc. 612 Emb. 0 — 181+00 — Cut 424 Fill 0
719.86 708.97 — Exc. 410 Emb. 0 — 180+70 — Cut 678 Fill 0

752.57 744.62 — Exc. 516 Emb. 0 — 187+73 — Cut 749 Fill 0
746.22 743.68 — Exc. 901 Emb. 0 — 187+50 — Cut 463 Fill 0
745.93 741.41 — Exc. 656 Emb. 0 — 187+00 — Cut 510 Fill 0
738.49 739.12 — Exc. 92 Emb. 12 — 186+50 — Cut 108 Fill 0
734.73 738.42 — Exc. 169 Emb. 47 — 186+35 — Cut 132 Fill 42
736.72 736.77 — Exc. 235 Emb. 20 — 186+00 — Cut 128 Fill 31
733.66 734.33 — Exc. 131 Emb. 132 — 185+50 — Cut 126 Fill 0
729.87 731.84 — Exc. 14 Emb. 365 — 185+00 — Cut 15 Fill 143
729.83 729.26 — Exc. 58 Emb. 251 — 184+50 — Cut 0 Fill 251

750.53 753.67 — R/W 70' — Exc. 1 Emb. 52 — 190+00 — Cut 0 Fill 186
752.47 753.30 — R/W 70' — Exc. 6 Emb. 224 — 189+90 — Cut 8 Fill 96
745.78 751.80 — R/W 70' — Exc. 278 Emb. 115 — 189+50 — Cut 0 Fill 207
754.84 750.65 — R/W 70' — Exc. 287 Emb. 0 — 189+20 — Cut 500 Fill 0
752.18 740.86 — R/W 70' — Exc. 254 Emb. 0 — 189+00 — Cut 275 Fill 0
750.16 748.67 — R/W 70' — Exc. 96 Emb. 1 — 188+70 — Cut 183 Fill 0
748.85 747.86 — Exc. 46 Emb. 40 — 188+50 — Cut 75 Fill 2
743.58 746.50 — Exc. 92 Emb. 20 — 188+17 — Cut 0 Fill 64
746.38 745.78 — Exc. 521 Emb. 0 — 188+00 — Cut 292 Fill 0

40 30 20 10 ℄ 10 20 30 40

PLATE 3 CROSS SECTION P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

51

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(2)	1970	52	53

FINAL SURVEY ORIGINAL SURVEY

Checked H Abe 7-3-67

761.98 750.08 192+50 760.43 745.07 192+00 760.06 745.67 191+88 759.43 753.40 191+68 758.84 752.29 191+50 757.19 748.13 191+00 757.06 746.04 190+96 755.46 752.57 190+50

Exc. 0 Emb. 2,381
Exc. 0 Emb. 620
Exc. 0 Emb. 855
Exc. 0 Emb. 607
Exc. 0 Emb. 1,584
Exc. 0 Emb. 121
Exc. 12 Emb. 822
Exc. 13 Emb 331

Cut 0 Fill 1,137
Cut 0 Fill 1,434
Cut 0 Fill 1,358
Cut 0 Fill 1,051
Cut 0 Fill 877
Cut 0 Fill 834
Cut 0 Fill 703
Cut 14 Fill 172

R/W 25'
R/W 25'
R/W 25'
R/W 50'
R/W 50'
R/W 50'
R/W 50'

Exc. 184 Emb. 0
Exc. 96 Emb. 38
Exc. 5 Emb. 73
Exc. 0 Emb. 124
Exc. 0 Emb. 337
Exc. 0 Emb. 1,130
Exc. 0 Emb. 631
Exc. 0 Emb. 1,144

777.98 767.65 194+33 767.23 766.39 194+20 766.03 765.43 194+00 766.26 764.46 193+88 765.86 758.88 193+75 765.08 754.18 193+50 763.53 750.34 193+00 762.91 748.98 192+80

Cut 528 Fill 0
228 Cut 236 Fill 0
Cut 22 Fill 103
Cut 0 Fill 226
Cut 0 Fill 290
R/W 65'±
Cut 0 Fill 438
Cut 0 Fill 782
Cut 0 Fill 922

773.30 774.59 196+50 773.42 196+15 772.92 196+00 772.92 195+94 771.30 195+50 770.52 195+25 769.73 195+00 768.96 194+75 768.18 194+50

Exc. 58 Emb. 34
Exc. 158 Emb. 1
130 Exc. ~~129~~ Emb. 0
Exc. 1196 Emb. 0
Exc. 631 Emb. 0
Exc. 556 Emb. 0
Exc. 474 Emb. 0
Exc. 446 Emb. 0
Exc. 343 Emb. 0

Cut 3 Fill 50
Cut 86 Fill 3
Cut 481 Fill 0
Cut 687 Fill 0
Cut 781 Fill 0
Cut 581 Fill 0
Cut 621 Fill 0
Cut 402 Fill 0
Cut 561 Fill 0

40 30 20 10 ℄ 10 20 30 40 40 30 20 10 ℄ 10 20 30 40 40 30 20 10 ℄ 10 20 30

52

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0130(12)	1970	53	53

FINAL SURVEY — INITIAL SURVEY — NOTE BOOK — DATE — PAGE — CHECKED — 9/67

789.56 — 793.72 — Cut 0 Fill 421
200+50 — Exc. 0 Emb. 857

787.53 — 781.48 — Cut 0 Fill 505
200+00 — Exc. 0 Emb. 788

785.55 — 779.95 — Cut 0 Fill 346
199+50 — Exc. 0 Emb. 706

783.61 — 777.85 — Cut 0 Fill 417
199+00 — Exc. 0 Emb. 307

782.84 — 777.89 — Cut 0 Fill 418
198+80 — Exc. 0 Emb. 527

781.71 — 777.72 — Cut 0 Fill 530
198+50 — Exc. 0 Emb. 1,068

779.86 — 777.17 — Cut 0 Fill 623
198+00 — Exc. 0 Emb. 966

778.06 — 772.22 — Cut 0 Fill 420
197+50 — Exc. 0 Emb. 634

776.30 — 772.97 — Cut 0 Fill 265
197+00 — Exc. 3 Emb. 292

40 30 20 10 ℄ 10 20 30 40

810.51 — 809.02 — Cut 15 Fill 174
205+50 — Exc. 14 Emb. 257

808.47 — 807.61 — Cut 0 Fill 104
205+00 — Exc. 0 Emb. 405

806.37 — 800.23 — Cut 0 Fill 333
204+50 — Exc. 0 Emb. 841

804.26 — 796.31 — Cut 0 Fill 575
204+00 — Exc. 0 Emb. 1,085

802.16 — 793.24 — Cut 0 Fill 507
203+50 — Exc. 0 Emb. 1,094

800.06 — 791.55 — Cut 0 Fill 585
203+00 — Exc. 0 Emb. 1,019

797.96 — 789.20 — Cut 0 Fill 516
202+50 — Exc. 0 Emb. 1,000

795.85 — 787.30 — Cut 0 Fill 564
202+00 — Exc. 0 Emb. 985

793.75 — 786.04 — Cut 0 Fill 500
201+50 — Exc. 0 Emb. 844

791.65 — 784.14 — Cut 0 Fill 411
201+00 — Exc. 0 Emb. 770

40 30 20 10 ℄ 10 20 30 40

823.13 — Cut 0 Fill 0
210+00 — Exc. 0 Emb. 0

822.26 — Cut 0 Fill 0
209+50 — Exc. 0 Emb. 0

821.27 — Cut 0 Fill 0
209+00 — Exc. 0 Emb. 0

820.14 — 820.14 — Cut 0 Fill 0
208+50 — Exc. 138 Emb. 0

818.88 — 818.90 — Cut 149 Fill 0
208+00 — Exc. 155 Emb. 0

817.90 — 818.04 — Cut 91 Fill 0
207+65.97 — Exc. 58 Emb. 0

817.45 — 817.64 — Cut 117 Fill 1
207+50 — Exc. 206 Emb. 18

815.90 — 815.89 — Cut 105 Fill 18
207+00 — Exc. 225 Emb. 40

814.23 — 813.79 — Cut 138 Fill 25
206+50 — Exc. 179 Emb. 133

812.04 — 810.36 — Cut 55 Fill 119
206+00 — Exc. 65 Emb. 271

40 30 20 10 ℄ 10 20 30

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