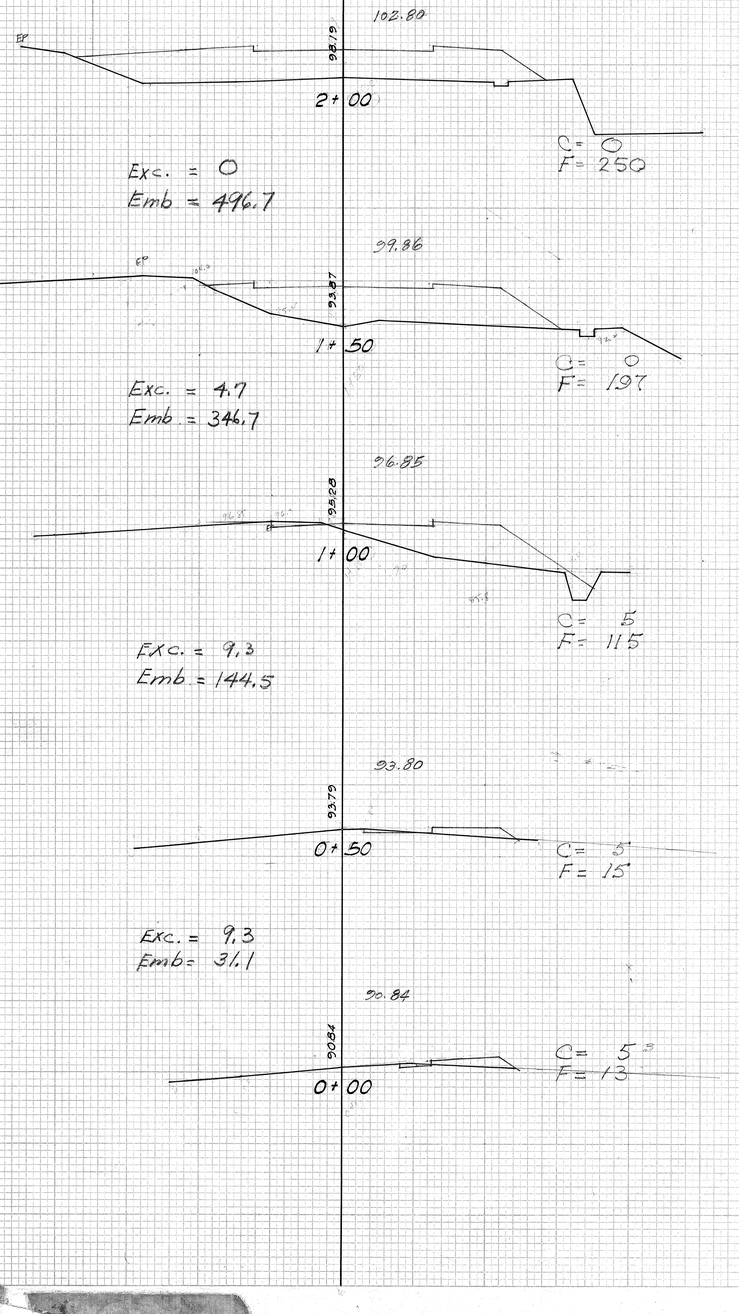
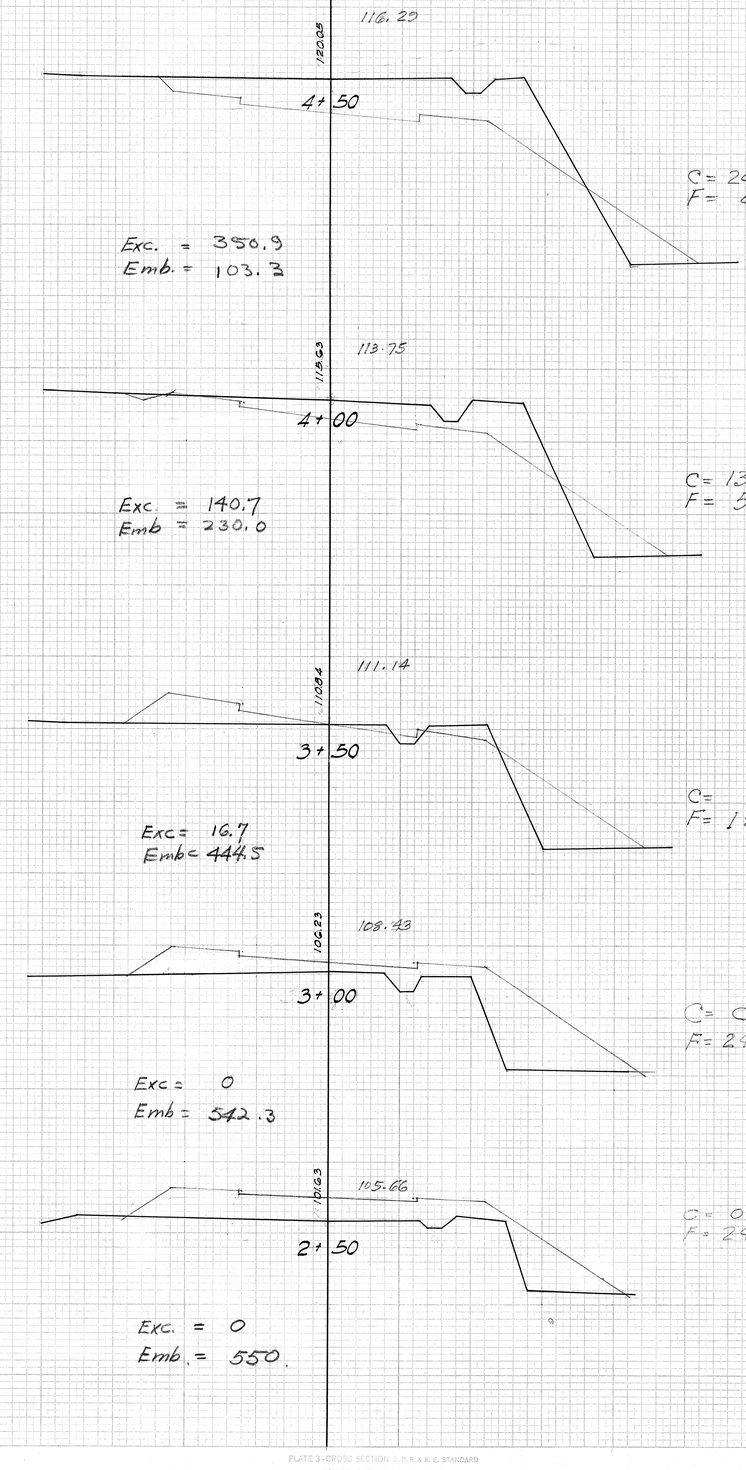
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	S-S(2)	1948	23	29

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

ORIGINAL SURVEY — SURVEYED K.S.Y. — PLOTTED K.T. — DATE 2-48 — PLANIMETER " — NOTE BOOK H.T. — AREAS CHECKED " — NO. -





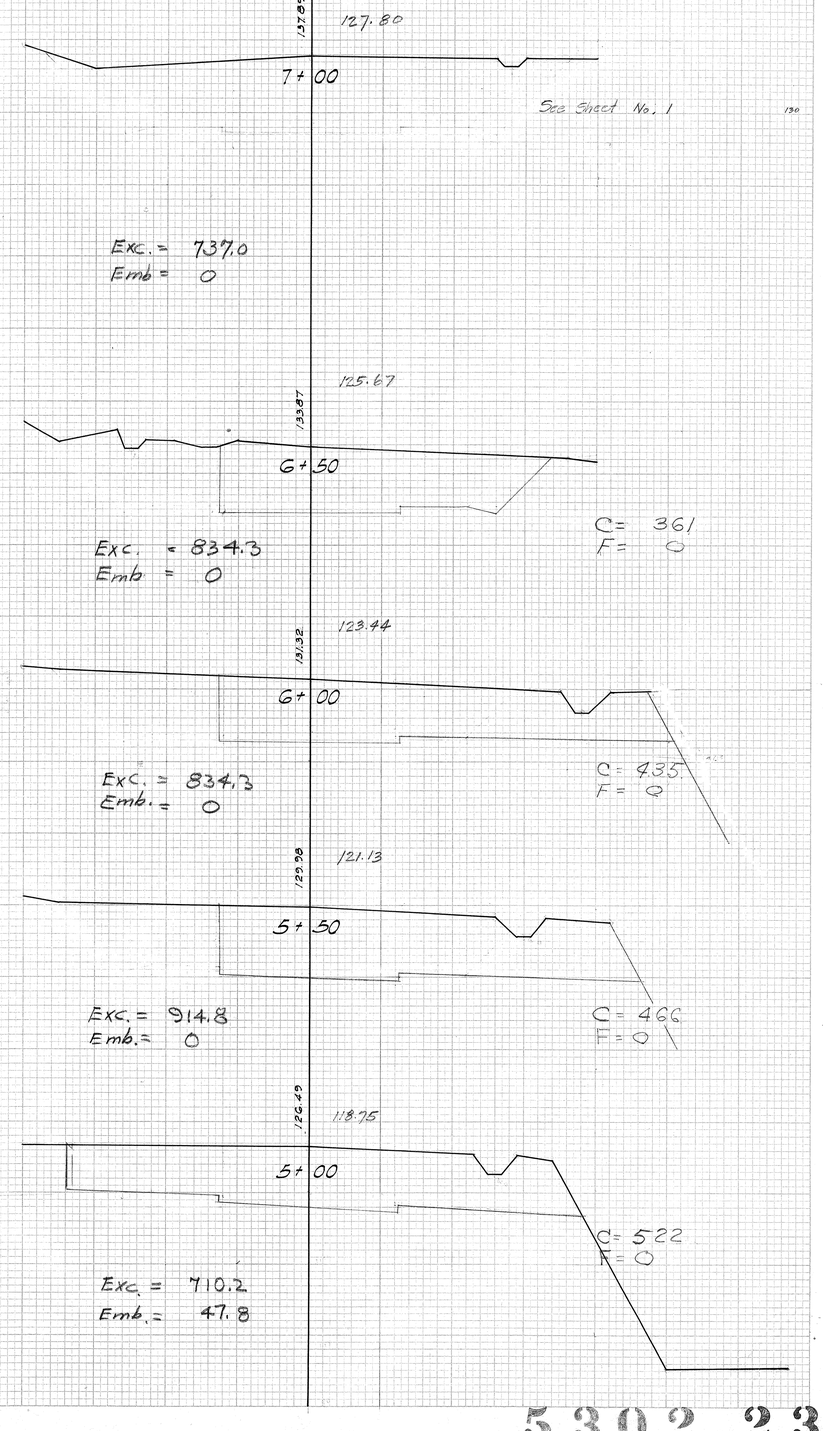


PLATE 3 - CROSS SECTION C.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. No. 345-3 MADE IN U.S.A.

5302.23

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	55(2)	1948	24	29

Connection 12-T

0 + 00 to 3 + 50

1321 1320 1300 1317 1301 1201 1165

6 + 50 — 125.65 — Exc = 556 — Emb = 0 — C = 240 — F = 0

6 + 00 — 128.43 — Exc = 796 — Emb = 0 — C = 360 — F = 0

5 + 50 — 121.13 — Exc = 572 — Emb = 0 — C = 500 — F = 0

5 + 00 — 118.75 — Exc = 759 — Emb = 0 — C = 550 — F = 0

4 + 50 — 116.23 — Exc = 343 — Emb = 4 — C = 100 — F = 4

4 + 00 — 115.19 — Exc = 93 — Emb = 193 — C = 0 — F = 170

3 + 33.84 — 116.74 — Exc = 0 — Emb = 72 — C = 0 — F = 0

1400 1401 1397 1394 1384 1380 1201

9 + 50 — 137.32 — Exc = 584.3 — Emb = 0 — C = 280 — F = 0

9 + 00 — 135.56 — Exc = 721.3 — Emb = 0 — C = 351 — F = 0

8 + 50 — 133.73 — Exc = 891.7 — Emb = 0 — C = 428 — F = 0

8 + 00 — 131.83 — Exc = 1047.2 — Emb = 0 — C = 535 — F = 0

7 + 50 — 130.85 — Exc = 1180.6 — Emb = 0 — C = 596 — F = 0

7 + 00 — 127.81 — Exc = 812 — Emb = 0 — C = 679 — F = 0

1465 1452 1442 1436 1432 1410

12 + 50 — 146.10 — Exc = 153.7 — Emb = 1.8 — C = 87 — F = 1

12 + 00 — 144.83 — Exc = 165.7 — Emb = 0.9 — C = 79 — F = 1

11 + 50 — 143.48 — Exc = 246.3 — Emb = 0 — C = 100 — F = 0

11 + 00 — 142.06 — Exc = 356.5 — Emb = 0 — C = 166 — F = 0

10 + 50 — 140.55 — Exc = 422.2 — Emb = 0 — C = 219 — F = 0

10 + 00 — 138.97 — Exc = 478.7 — Emb = 0 — C = 237 — F = 0

1247 1302 1364 1412 1459 1476

15 + 50 — 152.07 — Exc = 0 — Emb = 3465.7 — C = 0 — F = 2120

15 + 00 — 151.24 — Exc = 0 — Emb = 2363.9 — C = 0 — F = 1623

14 + 50 — 150.37 — Exc = 0 — Emb = 1230.6 — C = 0 — F = 930

14 + 00 — 140.42 — Exc = 5.6 — Emb = 464.8 — C = 0 — F = 399

13 + 50 — 148.30 — Exc = 69.4 — Emb = 109.3 — C = 6 — F = 103

13 + 00 — 147.28 — Exc = 144.4 — Emb = 14.8 — C = 69 — F = 15

Spun

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

ORIGINAL SURVEY — BY H.I. — DATE 7-R-L — 1948

PLATE 2 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
MADE IN U.S.A. 20047-2

5302.24

Sheet 1 of 2 Sheets

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	S5(2)	1048	25	29

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

ORIGINAL SURVEY — SURVEYED E.A.S. — PLOTTED T.R.L. — TEMPLATE — AREAS CHECKED — NOTE BOOK — NO. — BY — DATE 5-47 3/48

157.88 — 157.4 — 19+00 — C= 0 F= 599 — Exc = 0 Emb = 923.1

157.05 — 157.8 — 18+50 — C= 0 F= 398 — Exc = 0 Emb = 678.7

156.22 — 156.0 — 18+00 — C= 0 F= 335 — Exc = 0 Emb = 636.1

155.30 — 155.6 — 17+50 — C= 0 F= 352 — Exc = 0 Emb = 909.3

154.50 — 154.6 — 17+00 — C= 0 F= 630 — Exc = 0 Emb = 1646.3

153.73 — 153.3 — 16+50 — C= 0 F= 1148 — Exc = 0 Emb = 2810.2

152.90 — 152.8 — 16+00 — C= 0 F= 1887 — Exc = 0 Emb = 3710.2

167.2 — 164.24 — 23+00 — C= 237 F= 0 — Exc = 445.4 Emb = 0

166.4 — 163.58 — 22+50 — C= 244 F= 0 — Exc = 469.4 Emb = 0

165.1 — 162.79 — 22+00 — C= 263 F= 0 — Exc = 300.9 Emb = 8.3

161.8 — 162.01 — 21+50 — C= 62 F= 9 — Exc = 62.0 Emb = 59.3

159.8 — 161.20 — 21+00 — C= 5 F= 55 — Exc = 4.6 Emb = 277.8

155.5 — 160.37 — 20+50 — C= 0 F= 245 — Exc = 0 Emb = 800.0

151.2 — 159.54 — 20+00 — C= 0 F= 619 — Exc = 0 Emb = 1351.8

145.7 — 158.71 — 19+50 — C= 0 F= 733 — Exc = 0 Emb = 1233.3

167.8 — 168.19 — 26+50 — C= 258 F= 0 — Exc = 484.3 Emb = 0

170.9 — 167.73 — 26+00 — C= 265 F= 0 — Exc = 411.1 Emb = 0

168.1 — 167.24 — 25+50 — C= 179 F= 0 — Exc = 277.8 Emb = 0

167.8 — 166.71 — 25+00 — C= 121 F= 0 — Exc = 189.8 Emb = 6.5

166.8 — 166.14 — 24+50 — C= 84 F= 7 — Exc = 178.7 Emb = 6.5

166.7 — 165.54 — 24+00 — C= 109 F= 0 — Exc = 249.1 Emb = 0

166.7 — 164.91 — 23+50 — C= 160 F= 0 — Exc = 367.6 Emb = 0

176.3 — 170.42 — 30+00 — C= 407 F= 0 — Exc = 813.9 Emb = 0

177.1 — 170.21 — 29+50 — C= 472 F= 0 — Exc = 905.6 Emb = 0

176.8 — 169.96 — 29+00 — C= 506 F= 0 — Exc = 920.4 Emb = 0

176.6 — 169.68 — 28+50 — C= 488 F= 0 — Exc = 865.7 Emb = 0

175.8 — 168.36 — 28+00 — C= 447 F= 0 — Exc = 527.8 Emb = 0

174.8 — 169.01 — 27+60 — C= 123 F= 0 — Exc = 498.1 Emb = 0

173.6 — 168.62 — 27+00 — C= 415 F= 0 — Exc = 623.1 Emb = 0

PLATE 1 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
MADE IN U.S.A. 82647-3

5302.25

Unit 1) Extension Jhact 2 FAGS 58(1) 2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	S-S(2)	1948	26	29

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

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

DATE 5/48 — R.S.Y. H.T. — 3/48 — T.R.L.

175.9 — 28 + 00 — Exc = 624.1, Emb = 0

175.2 — 31 + 50 — 170.84 — C = 326, F = 0

174.8 — 27 + 50 — Exc = 687.0, Emb = 0

175.2 — 31 + 00 — 170.74 — C = 348, F = 0 — Normal Section Begin Super

173.6 — 27 + 00 — Exc = 741.7, Emb = 0

176.2 — 30 + 50 — 170.60 — C = 394, F = 0

171.8 — 26 + 50 — Exc = 764.8, Emb = 0

176.6 — 30 + 00 — C = 429, F = 0

172.9 — 26 + 00 — Exc = 681.5, Emb = 0

177.3 — 29 + 50 — PC Sta. 33+00.36 Full Super — C = 397, F = 0

169.1 — 28 + 50 — Exc = 591.7, Emb = 0

177.1 — 29 + 00 — C = 339, F = 0

167.8 — 25 + 00 — Exc = 579.6, Emb = 0

176.7 — 28 + 50 — C = 300, F = 0

177.6 — 35 + 00 — 170.60 — Exc = 905.6, Emb = 0 — C = 482, F = 0

177.8 — 34 + 50 — 170.74 — Exc = 891.7, Emb = 0 — C = 496, F = 0

177.5 — 34 + 00 — 170.84 — Exc = 820.4, Emb = 0 — C = 467, F = 0

177.0 — 33 + 50 — 170.91 — Exc = 764.8, Emb = 0 — C = 429, F = 0

176.3 — 33 + 00 — 170.96 — Exc = 681.5, Emb = 0 — C = 397, F = 0

176.0 — 32 + 50 — 170.95 — Exc = 591.7, Emb = 0 — C = 339, F = 0

175.5 — 32 + 00 — 170.91 — Exc = 579.6, Emb = 0 — C = 300, F = 0

169.5 — 38 + 00 — 169.08 — Exc = 0, Emb = 487.0 — C = 0, F = 301

169.2 — 37 + 50 — 169.38 — Exc = 0.9, Emb = 223.1 — C = 0, F = 225

169.0 — 37 + 00 — 169.68 — Exc = 299.1, Emb = 14.8 — C = 1, F = 16

173.9 — 36 + 50 — 169.96 — Exc = 693.5, Emb = 0 — C = 322, F = 0

176.5 — 36 + 00 — 170.21 — Exc = 857.4, Emb = 0 — C = 427, F = 0

177.6 — 35 + 50 — 170.42 — Exc = 908.3, Emb = 0 — C = 499, F = 0

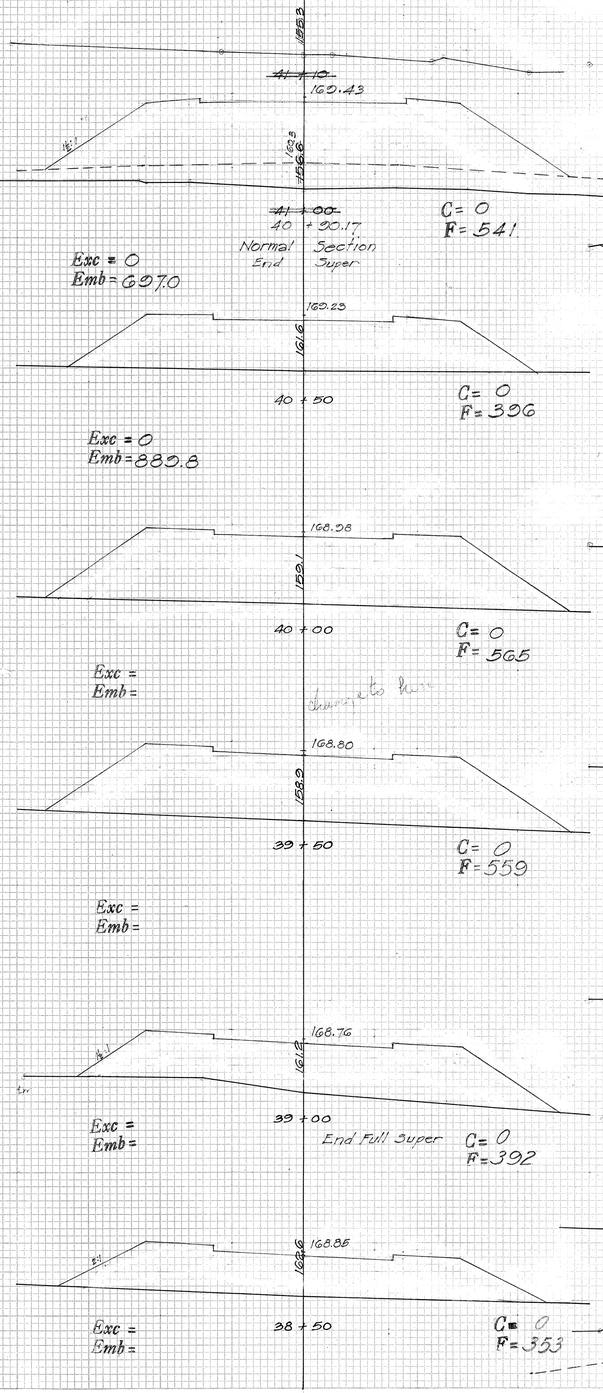
PLATE 3 — CROSS SECTION C. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
MADE IN U.S.A. 22997-3

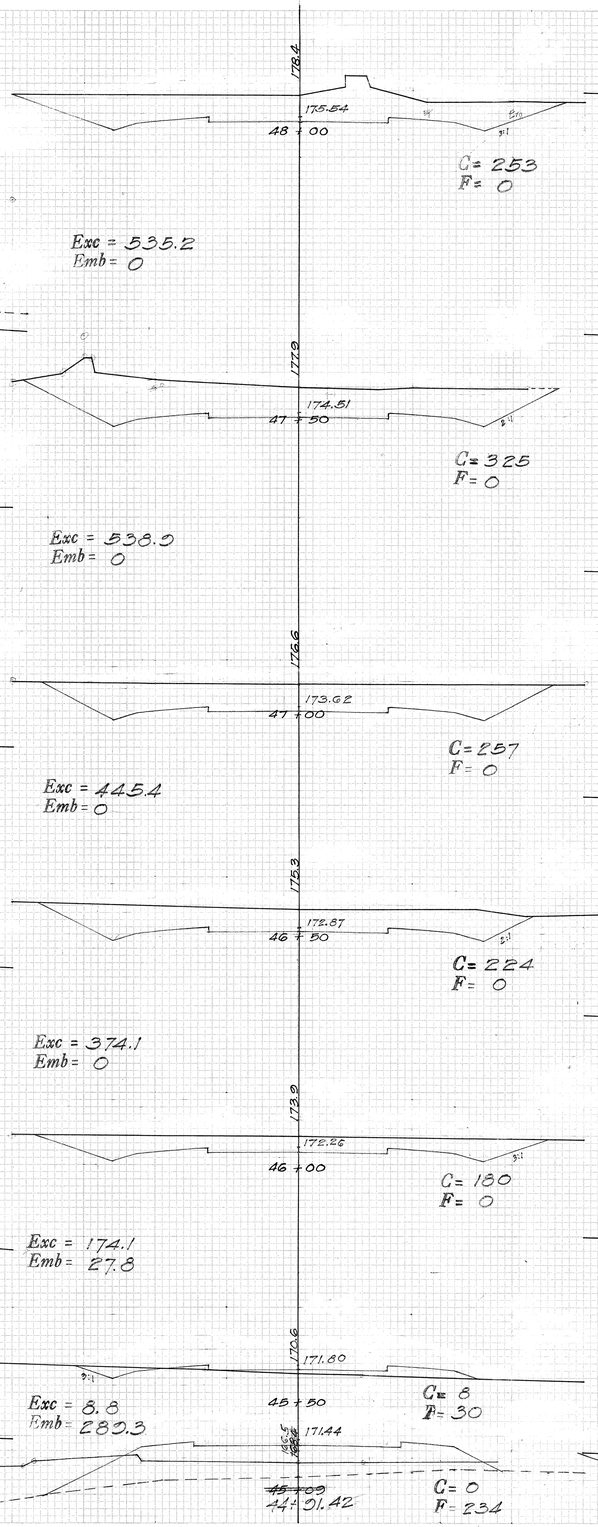
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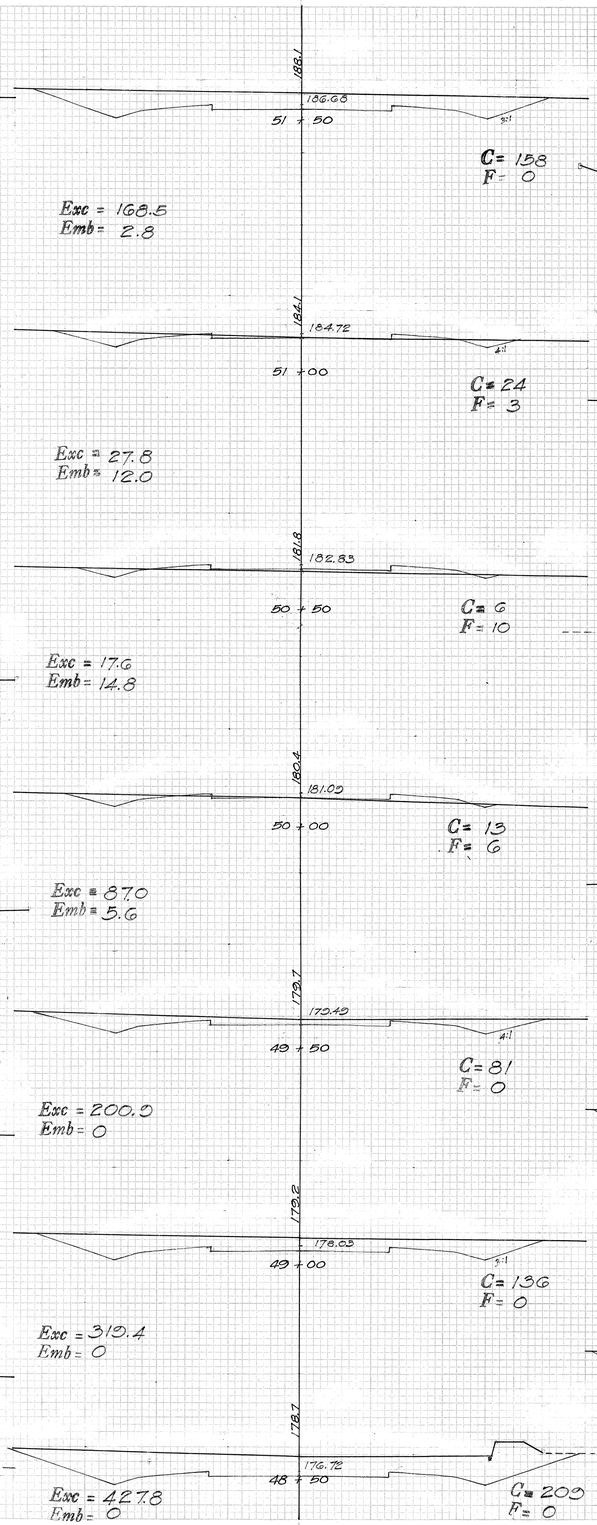
Sheet 1 (3)

FED. ROAD DIST. NO.	STATE	I.D. NO. PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII HAW 3 5(2) 1948				27	29

BRIDGE EXCEPTION 40+30.17 to 44+91.42







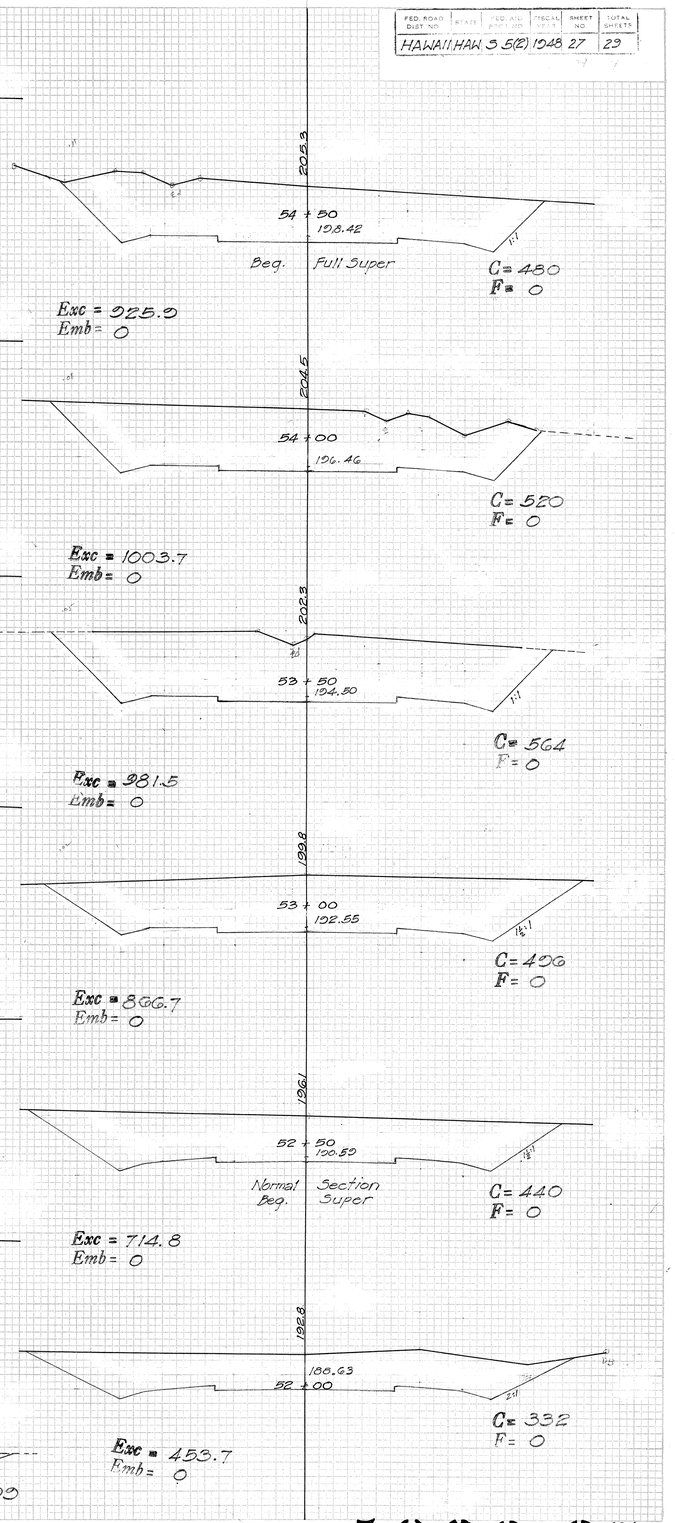


PLATE 2 - CROSS SECTION O.P.R.&R.E. STANDARD
KELLY C. & RAGER CO., NEW YORK

5802.27

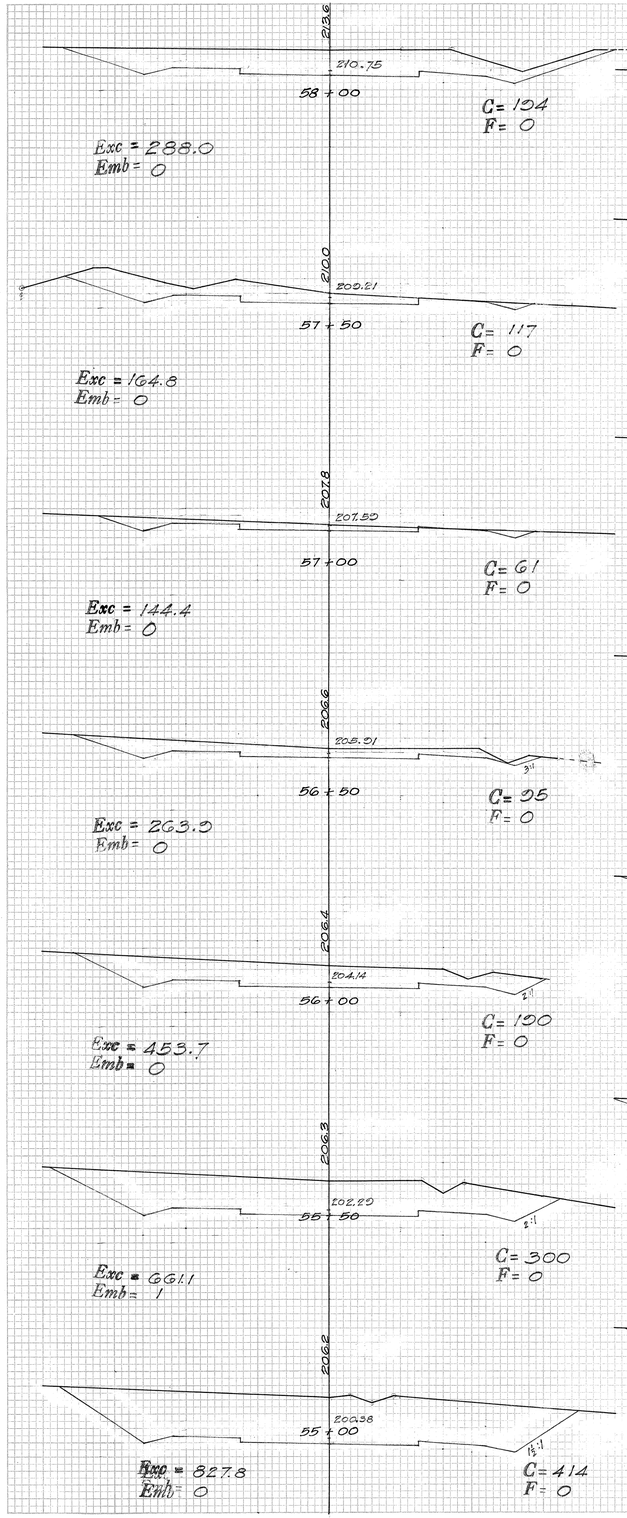
RED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	35(2)	1948	28	29

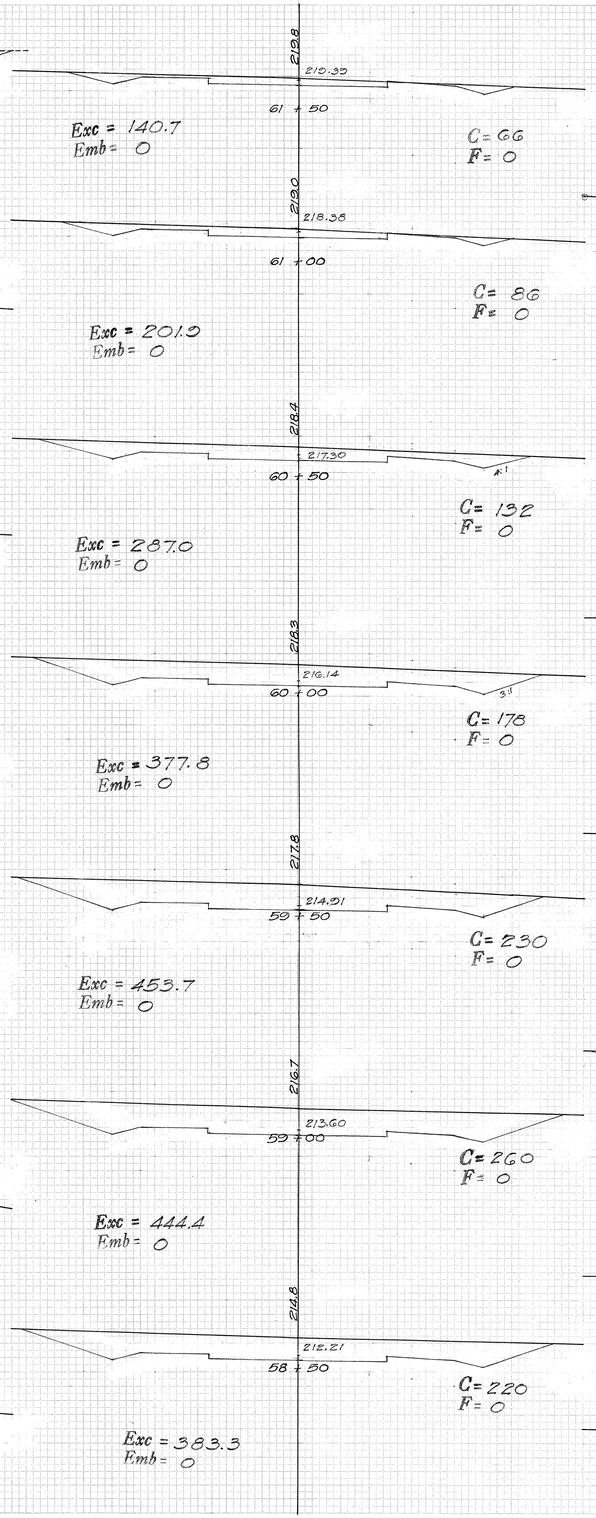
FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS CHECKED, NO.

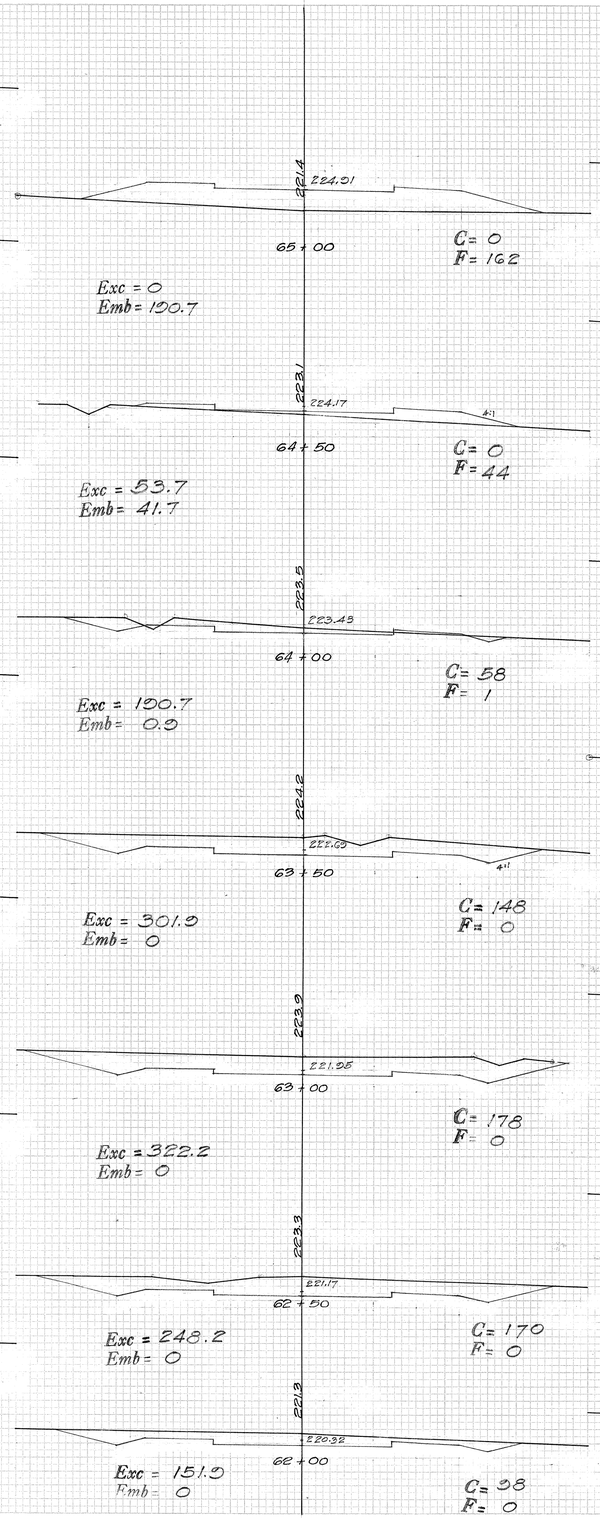
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, NOTE BOOK, AREAS CHECKED, NO.

BY R.S.Y. H.I.

DATE 5/40







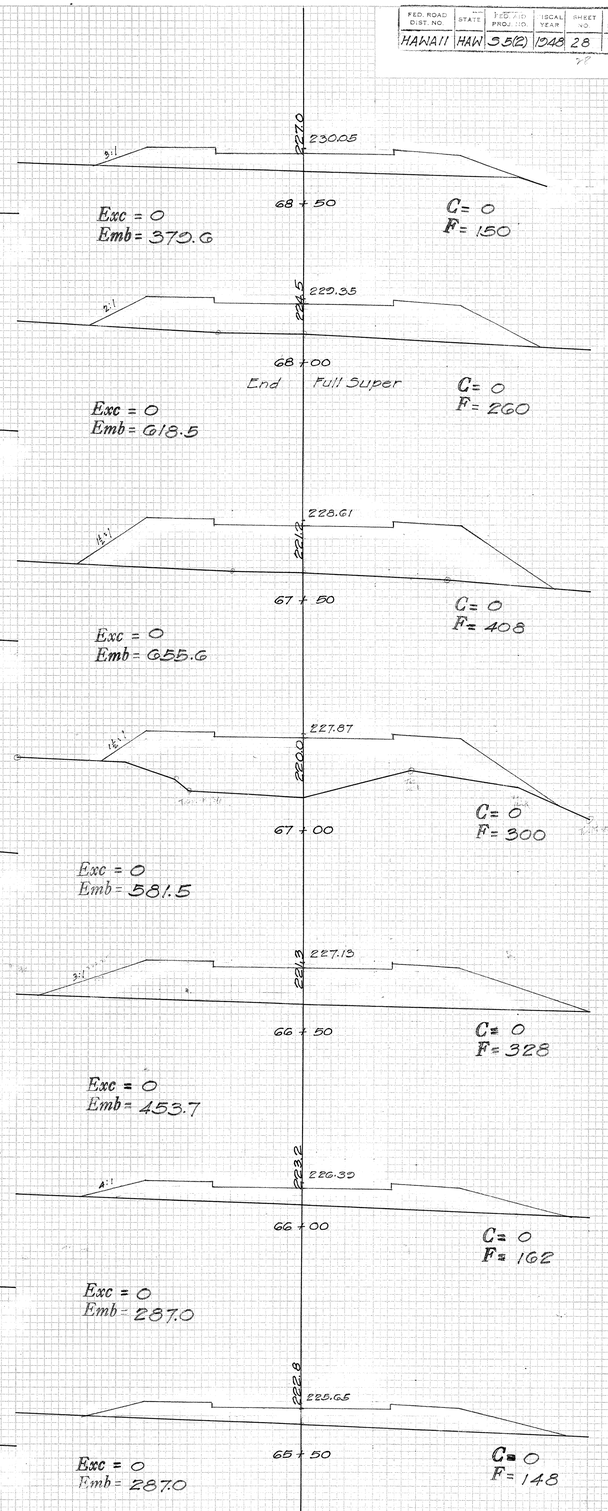


PLATE 3—CROSS SECTION C. P. R. & H. R. R. STANDARD
REGISTER & DIXON CO., NEW YORK.
MADE IN U.S.A. 20447-3

5302.28

Sheet (3)
FAS (2)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	S-5(2)	1948	29	29

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

ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, CROSS SECTIONS CHECKED — NOTE BOOK NO. R & Y H-1 — BY — DATE 5/46

234.3 — 232.58 — 72 + 00 — C= 168 F= 0 — Exc = 314.8 Emb = 0

234.9 — 232.35 — 71 + 50 — C= 172 F= 0 — Exc = 264.8 Emb = 0

233.1 — 232.33 — 71 + 00 — C= 114 F= 0 — Exc = 187.0 Emb = 0

232.3 — 232.04 — 70 + 50 — C= 88 F= 0 — Exc = 127.8 Emb = 3.7

231.4 — 231.66 — 70 + 00 — Normal Section End Super — C= 50 F= 4 — Exc = 48.2 Emb = 45.4

230.0 — 231.21 — 69 + 50 — C= 2 F= 45 — Exc = 1.9 Emb = 126.0

228.6 — 230.67 — 69 + 00 — C= 0 F= 90 — Exc = 0 Emb = 222.2

229.5 — 231.32 — 75 + 50 — C= 3 F= 54 — Exc = 64.8 Emb = 52.8

231.6 — 231.76 — 75 + 00 — C= 61 F= 3 — Exc = 104.4 Emb = 2.8

233.2 — 232.12 — 74 + 50 — C= 143 F= 0 — Exc = 290.7 Emb = 0

233.8 — 232.32 — 74 + 00 — C= 165 F= 0 — Exc = 342.6 Emb = 0

234.5 — 232.59 — 73 + 50 — C= 205 F= 0 — Exc = 368.5 Emb = 0

234.6 — 232.60 — 73 + 00 — C= 193 F= 0 — Exc = 398.2 Emb = 0

234.3 — 232.73 — 72 + 50 — C= 237 F= 0 — Exc = 375 Emb = 0

231.3 — 227.46 — 79 + 00 — C= 96 F= 1 — Exc = 187.0 Emb = 0.3

228.2 — 228.02 — 78 + 50 — C= 106 F= 0 — Exc = 151.3 Emb = 4.6

228.1 — 228.57 — 78 + 00 — C= 58 F= 5 — Exc = 66.7 Emb = 30.6

228.3 — 229.13 — 77 + 50 — C= 14 F= 28 — Exc = 14.8 Emb = 96.3

227.7 — 229.09 — 77 + 00 — C= 2 F= 76 — Exc = 1.9 Emb = 174.1

227.8 — 230.23 — 76 + 50 — C= 0 F= 112 — Exc = 0 Emb = 187.0

228.3 — 230.81 — 76 + 00 — C= 0 F= 90 — Exc = 8.3 Emb = 133.3

225.9 — 80 + 50 — 226.34 — 80 + 00 — 226.8 — 226.30 — 79 + 50 — C= 74 F= 1 — Exc = 157.4 Emb = 1.9

END OF PROJ. S-5(2) Sta. 79+44.31

PLATE 2 - CROSS SECTION U.P.R.R.R.R. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

5302.29

(6) sh/ (6) PASS 1911