FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	18 B	1936	728	39

FINAL SURVEY — NOTE BOOK NO. — SURVEYED BY Kamau Kealakai — PLOTTED — TEMPLATE — AREAS — CROSS CHECKED — DATE Aug. 36 Sept. —

ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED BY Kamau Kealakai — PLOTTED — TEMPLATE — AREAS — CROSS CHECKED — DATE Aug. 36 Sept. —

BRIDGE NO 1

1235.19 Existing Ground at ℄

1237.11

1239.03

1240.0 1239.80

1240.25

BEGINNING OF F.A.P. PROJECT NO. 18-B

1242.2

1244.7

1215.30

1217.34

1219.37

1221.41

1223.44

1225.47 1225.42

1227.62 1227.45

1229.35 1229.42

1231.23 1231.34

1233.27

1195.12 1195.23

1201.18

1203.11

1205.15

1207.17

1209.20

1210.30

1211.23

1213.27

1266.64

C=0 F=167

C=8 F=86

C=18 F=254

C=9 F=72

C=13 F=3

C= F=

C=0 F=162

C=0 F=150

C=0 F=163

C=0 F=175

C=0 F=180

C=36 F=10

C=0 F=44

C=0 F=104

C=0 F=105

C=0 F=103

C=30 F=0

C=55 F=0

C=105 F=0

C=139 F=0

C=210 F=0

C=218 F=0

C=226 F=0

C=180 F=0

C=155 F=0

C=99 F=0

Exc.=7 Emb.=234

Exc.=29 Emb.=313

Exc.=0 Emb.=194

Exc.=0 Emb.=193

Exc.=0 Emb.=245

Exc.=0 Emb.=289

Exc.=0 Emb.=290

Exc.=0 Emb.=313

Exc.=0 Emb.=329

Exc.=0 Emb.=321

Exc.=33 Emb.=30

Exc.=0 Emb.=137

Exc.=79 Emb.=0

Exc.=148 Emb.=0

Exc.=226 Emb.=0

Exc.=239 Emb.=0

Exc.=103 Emb.=0

Exc.=411 Emb.=0

Exc.=201 Emb.=0

Exc.=141 Emb.=0

Exc.=235 Emb.=0

Exc.=125 Emb.=9

Exc.=12 Emb.=43

Exc.= Emb.=

Exc.= Emb.=

PLATE 3—CROSS-SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

4386.23

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	18 B	1936	24	39

FINAL SURVEY — BY — DATE
SURVEYED: Asay Jr. Sept. "
PLOTTED:
TRACED:
CHECKED:
NOTE BOOK:
AREAS PLATE:
NO.:
AREAS CHECKED:

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

1178.19 Plate Grade at B
C = 0
F = 38
Exc. = 10
Emb. = 75
1178.62
C = 11
F = 51
Exc. = 37
Emb. = 16
1182.52
C = 29
F = 31
Exc. = 14
Emb. = 36
1184.39
C = 53
F = 8
Exc. = 157
Emb. = 7
1186.19
C = 117
F = 0
Exc. = 267
Emb. = 0
1188.62
C = 171
F = 0
Exc. = 339
Emb. = 0
1189.86
C = 195
F = 0
Exc. = 375
Emb. = 0
1191.64
C = 210
F = 0
Exc. = 420
Emb. = 0
1193.54
C = 244
F = 0
Exc. = 372
Emb. = 0
1195.41
C = 158
F = 0
Exc. = 211
Emb. = 0
1197.31
C = 70
F = 0
Exc. = 93
Emb. = 0

1162.33
C = 0
F = 480
Exc. = 0
Emb. = 778
1164.17
C = 0
F = 360
Exc. = 0
Emb. = 488
1166.0
C = 0
F = 162
Exc. = 0
Emb. = 299
1167.84
C = 0
F = 161
Exc. = 0
Emb. = 209
1169.67
C = 0
F = 65
Exc. = 2
Emb. = 113
1171.51
C = 2
F = 61
Exc. = 9
Emb. = 121
1173.34
C = 8
F = 14
Exc. = 1
Emb. = 283
1174.99
C = 0
F = 242
1176.46
C = 0
F = 117
Exc. = 0
Emb. = 42
1176.67
C = 2
F = 106
Exc. = 1
Emb. = 41
1177.01
C = 1
F = 78
Exc. = 1
Emb. = 102

BRIDGE NO. 2

1145.82
C = 536
F = 0
Exc. = 305
Emb. = 0
1147.65
C = 333
F = 0
Exc. = 568
Emb. = 0
1149.49
C = 280
F = 0
Exc. = 470
Emb. = 0
1151.32
C = 228
F = 0
Exc. = 219
Emb. = 0
1152.67
C = 120
F = 0
Exc. = 60
Emb. = 0
1153.16
C = 82
F = 0
Exc. = 83
Emb. = 18
1154.99
C = 8
F = 19
Exc. = 7
Emb. = 180
1156.83
C = 0
F = 175
Exc. = 0
Emb. = 413
1158.66
C = 0
F = 271
Exc. = 0
Emb. = 589
1160.50
C = 0
F = 345
Exc. = 0
Emb. = 782

1138.48
C = 45
F = 1
Exc. = 38
Emb. = 1
1139.13
C = 70
F = 1
Exc. = 36
Emb. = 0
1139.67
C = 91
F = 0
Exc. = 11
Emb. = 0
1140.31
C = 100
F = 0
Exc. = 86
Emb. = 0
1141.12
C = 112
F = 0
Exc. = 176
Emb. = 0
1142.15
C = 28
F = 0
Exc. = 607
Emb. = 0
1143.98
C = 428
F = 0
Exc. = 410
Emb. = 0
1144.82
C = 535
F = 0
Exc. = 536
Emb. = 0

PLATE 3 — CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

#23004

4386.24

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	108	1936	25	39

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

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

BRIDGE NO - 3

1110.66 English grade at 21+40
C=12 F=105
Exc.=1 Emb.=37
1113.77 C=17 F=45
Exc.=16 Emb.=14
1116.88 C=0 F=35
Exc.=1 Emb.=76
1119.98 C=1 F=47
Exc.=1 Emb.=73
1122.77 C=0 F=32
Exc.=24 Emb.=30
1125.48 C=26 F=0
Exc.=56 Emb.=0
1128.01 C=32 F=0
Exc.=47 Emb.=5
1130.43 C=16 F=5
Exc.=175 Emb.=56
1132.65 C=0 F=55
Exc.=0 Emb.=135
1134.78 C=0 F=91
Exc.=0 Emb.=140
1136.64 C=0 F=60
Exc.=42 Emb.=56

1082.58 C=377 F=0
Exc.=637 Emb.=0
1085.82 C=272 F=0
Exc.=421 Emb.=0
1088.72 C=183 F=0
Exc.=312 Emb.=0
1092.03 C=154 F=0
Exc.=272 Emb.=0
1095.13 C=140 F=0
Exc.=240 Emb.=0
1098.24 C=119 F=0
Exc.=179 Emb.=0
1101.35 C=72 F=0
Exc.=62 Emb.=29
1104.45 C=7 F=31
Exc.=25 Emb.=17
1106.25 C=48 F=0
Exc.=20 Emb.=117
1107.56 C=2 F=43
Exc.=2 Emb.=137

1061.67 C=255 F=0
Exc.=466 Emb.=0
1064.06 C=374 F=0
Exc.=616 Emb.=0
1066.68 C=418 F=0
Exc.=864 Emb.=0
1070.25 C=381 F=0
Exc.=640 Emb.=0
1073.39 C=304 F=0
Exc.=620 Emb.=0
1076.50 C=366 F=0
Exc.=356 Emb.=0
1078.05 C=403 F=0
Exc.=379 Emb.=0
1079.60 C=415 F=0
Exc.=689 Emb.=0

1032.07 C=10 F=661
1035.86 C=0 F=574
Exc.=0 Emb.=261
1036.87 C=0 F=308
Exc.=16 Emb.=239
1038.89 C=0 F=95
Exc.=14 Emb.=122
1042.04 C=15 F=37
Exc.=180 Emb.=34
1043.35 C=60 F=0
Exc.=128 Emb.=0
1051.61 C=78 F=0
Exc.=110 Emb.=0
1053.08 C=166 F=0
Exc.=113 Emb.=0
1054.66 C=83 F=0
Exc.=110 Emb.=0
1057.81 C=36 F=0
Exc.=17 Emb.=0
1057.63 C=34 F=0
Exc.=252 Emb.=0

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
#29994

4386.25

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	18 B	1936	26	39

FINAL SURVEY — BY Kamau Kobatake — DATE Aug. 34 Sept. 34

SURVEYED
PLOTTED
FIELD BOOK
NOTE BOOK
NO.
AREAS
AREAS CHECKED

ORIGINAL SURVEY — BY — DATE

SURVEYED
PLOTTED
FIELD BOOK
NOTE BOOK
NO.
AREAS
AREAS CHECKED

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO. NEW YORK.

F29924

4386.26

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	18B	1936	27	39

FINAL SURVEY	BY	DATE
SURVEYED:	Kamai	Aug. 36.
PLOTTED:	Kodaka	Sept.
TEMPLATE:		
AREAS:		
AREAS CHECKED:		

NOTE BOOK NO.

ORIGINAL SURVEY	BY	DATE
SURVEYED:		
PLOTTED:		
TEMPLATE:		
AREAS:		
AREAS CHECKED:		

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

4386.27

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	18B	1936	28	39

6

FINAL SURVEY — BY: Ramon Robertson — DATE: May 36 — Sep. 11 — SURVEYED ___ PLOTTED ___ TEMPLATE ___ AREAS ___ NOTE BOOK ___ AREAS CHECKED ___ NO. ___

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

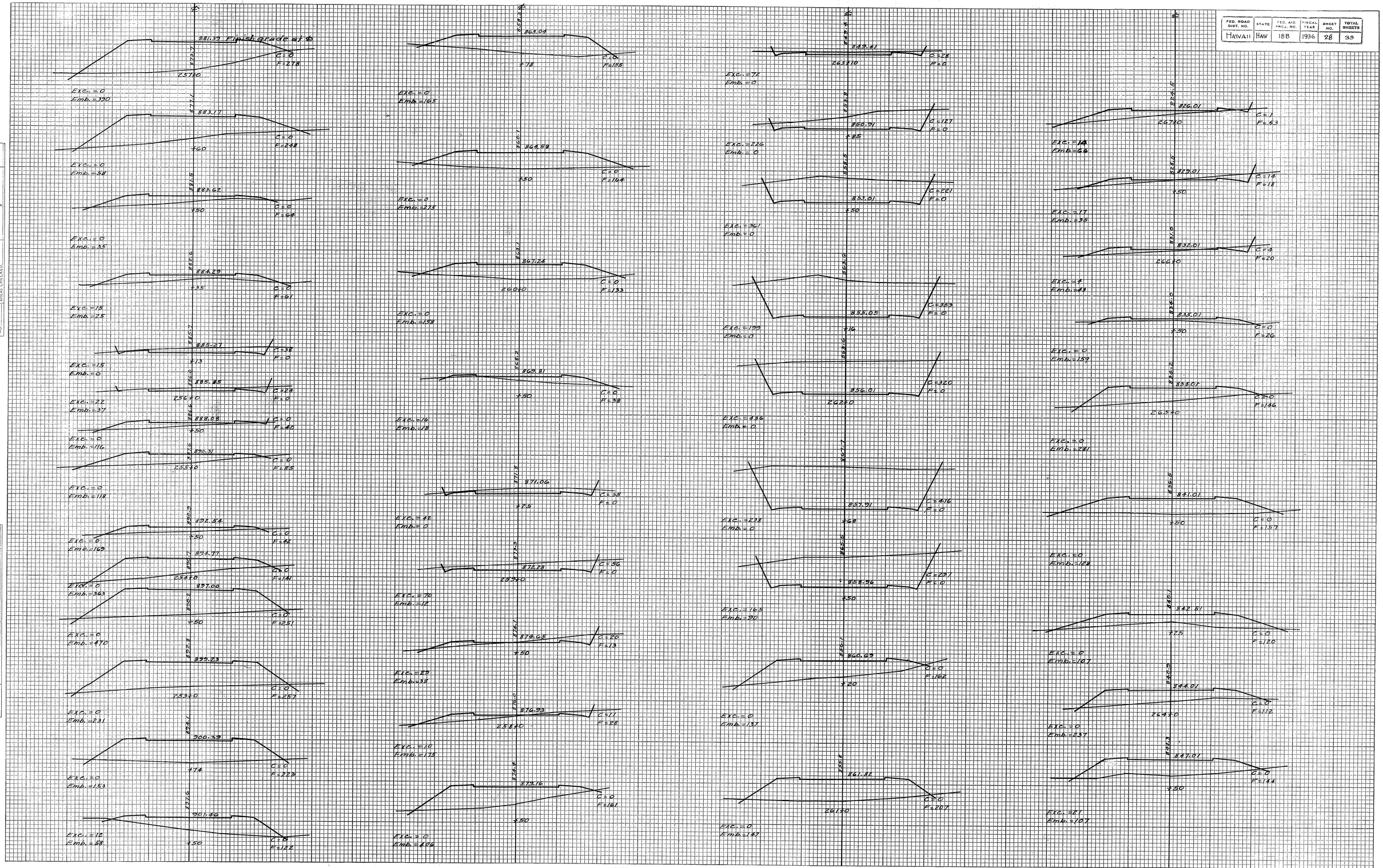

PLATE 3 — CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

#29994

4386.28

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	188	1936	29	39

FINAL SURVEY	BY	DATE
SURVEYED	Asanu Kaaiaike	Aug 36
PLOTTED	"	Sept 36
TEMPLATE	"	
INKED	"	
AREAS CHECKED		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
INKED		
AREAS CHECKED		

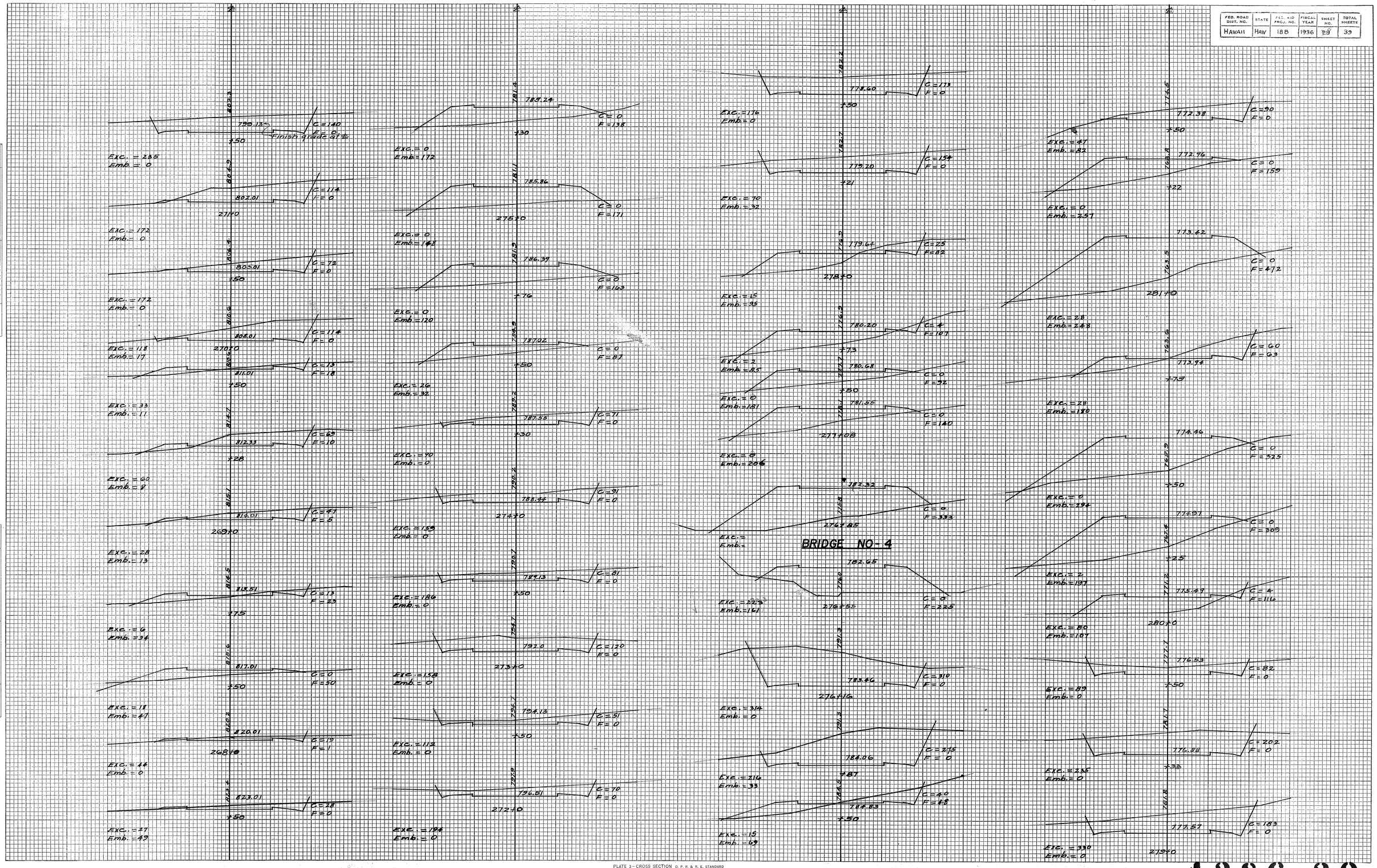

PLATE 3 – CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

4386.29

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	188	1936	30	39

FINAL SURVEY — SURVEYED, PLOTTED, TRACED, NOTE BOOK, NO., AREAS CHECKED. BY: Ramon Sabatake. DATE: Aug. 26, " "

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

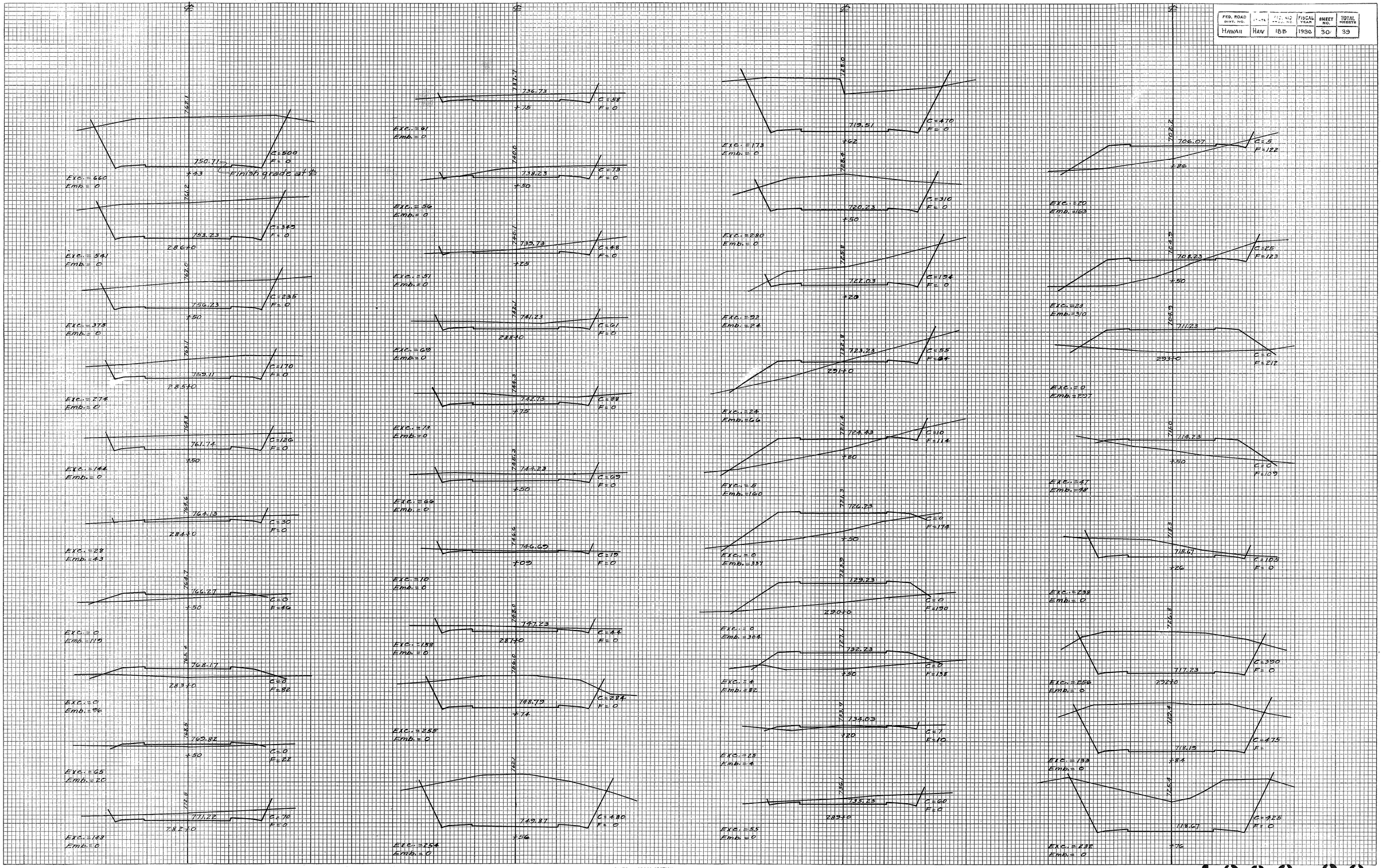

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

S 23904

4386.30

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	18B	1936	31	39

FINAL SURVEY — SURVEYED: kamau / kaahaha; PLOTTED: " / "; TEMPLATE: " / "; NOTE BOOK: " / "; NO.: " / "; AREAS CHECKED: " / "; DATE: Aug 36 / Sep 36

ORIGINAL SURVEY — BY: ; DATE:

CHANGE TEMPLATE FROM 5" TO 8"- BASE COURSE

PLATE 3 – CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

#28994

4386.31

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	188	1936	32	39

FINAL SURVEY — NOTE BOOK — NO. — DATE — BY — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — Kamay Hobaiche. — Sep. 36 — Sep. 36

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

610.53 Finish grade at ℄
C=37 F=0
3154+0
Exc.=46 Emb.=10

613.07
C=13 F=11
+50
Exc.=115 Emb.=6

614.58
C=194 F=0
+20
Exc.=141 Emb.=0

615.59
C=202 F=0
3141+0
Exc.=160 Emb.=0

617.05
C=93 F=0
+71
Exc.=53 Emb.=0

618.11
C=46 F=0
+50
Exc.=65 Emb.=10

620.23
C=28 F=11
3134+0
Exc.=45 Emb.=16

623.15
C=21 F=6
+50
Exc.=13 Emb.=1

623.74
C=115 F=7
+38
Exc.=28 Emb.=50

625.59
C=0 F=64
3122+0
Exc.=0 Emb.=172

627.86
C=0 F=122
+50
Exc.=0 Emb.=208

582.83
C=0 F=215
+50
3196.6
585.75
C=51 F=0
3200+0
Exc.=47 Emb.=199

587.87
C=0 F=105
+50
Exc.=0 Emb.=166

590.39
C=0 F=74
3193+0
Exc.=0 Emb.=92

591.95
C=0 F=84
+69
Exc.=0 Emb.=50

592.71
C=0 F=58
+50
Exc.=111 Emb.=54

595.43
C=120 F=0
3187+0
Exc.=185 Emb.=0

597.75
C=80 F=0
+50
Exc.=156 Emb.=0

600.47
C=89 F=0
3177+0
Exc.=134 Emb.=0

602.99
C=56 F=0
+50
Exc.=135 Emb.=0

605.51
C=70 F=
3167+0
Exc.=145 Emb.=0

608.03
C=67 F=0
+50
Exc.=76 Emb.=0

557.63
C=120 F=0
+50
Exc.=155 Emb.=0

560.15
C=47 F=0
3253+0
Exc.=51 Emb.=9

562.67
C=8 F=10
+50
Exc.=7 Emb.=8

565.19
C=0 F=78
3243+0
Exc.=0 Emb.=240

567.71
C=0 F=181
+50
Exc.=0 Emb.=532

570.23
C=0 F=394
3233+0
Exc.=0 Emb.=882

572.75
C=0 F=565
+50
Exc.=0 Emb.=1114

575.27
C=0 F=638
3223+0
Exc.=0 Emb.=212

575.11
C=0 F=507
+80
Exc.=0 Emb.=532

577.79
C=0 F=279
+50
Exc.=0 Emb.=467

580.21
C=0 F=227
3214+0
Exc.=0 Emb.=409

534.48
C=186 F=0
3304+0
Exc.=144 Emb.=0

537.21
C=18 F=0
+50
Exc.=37 Emb.=18

538.39
C=12 F=43
+28
Exc.=2 Emb.=17

538.81
C=0 F=75
+20
Exc.=0 Emb.=42

539.87
C=0 F=40
3294+0
Exc.=14 Emb.=37

542.48
C=80 F=0
+50
Exc.=218 Emb.=0

545.03
C=155 F=0
3284+0
Exc.=310 Emb.=0

547.55
C=180 F=0
+50
Exc.=333 Emb.=0

550.07
C=180 F=0
3274+0
Exc.=367 Emb.=0

552.59
C=195 F=0
+50
Exc.=329 Emb.=0

555.11
C=160 F=0
3264+0
Exc.=259 Emb.=0

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

#23004

4386.32

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	18D	1936	33	39

FINAL SURVEY	BY	DATE
SURVEYED	Lamau	Aug 36
PLOTTED	Kabalaia	Sep 36
NOTE BOOK		
NO.		

ORIGINAL SURVEY	BY	DATE
SURVEYED		
PLOTTED		
NOTE BOOK		
NO.		

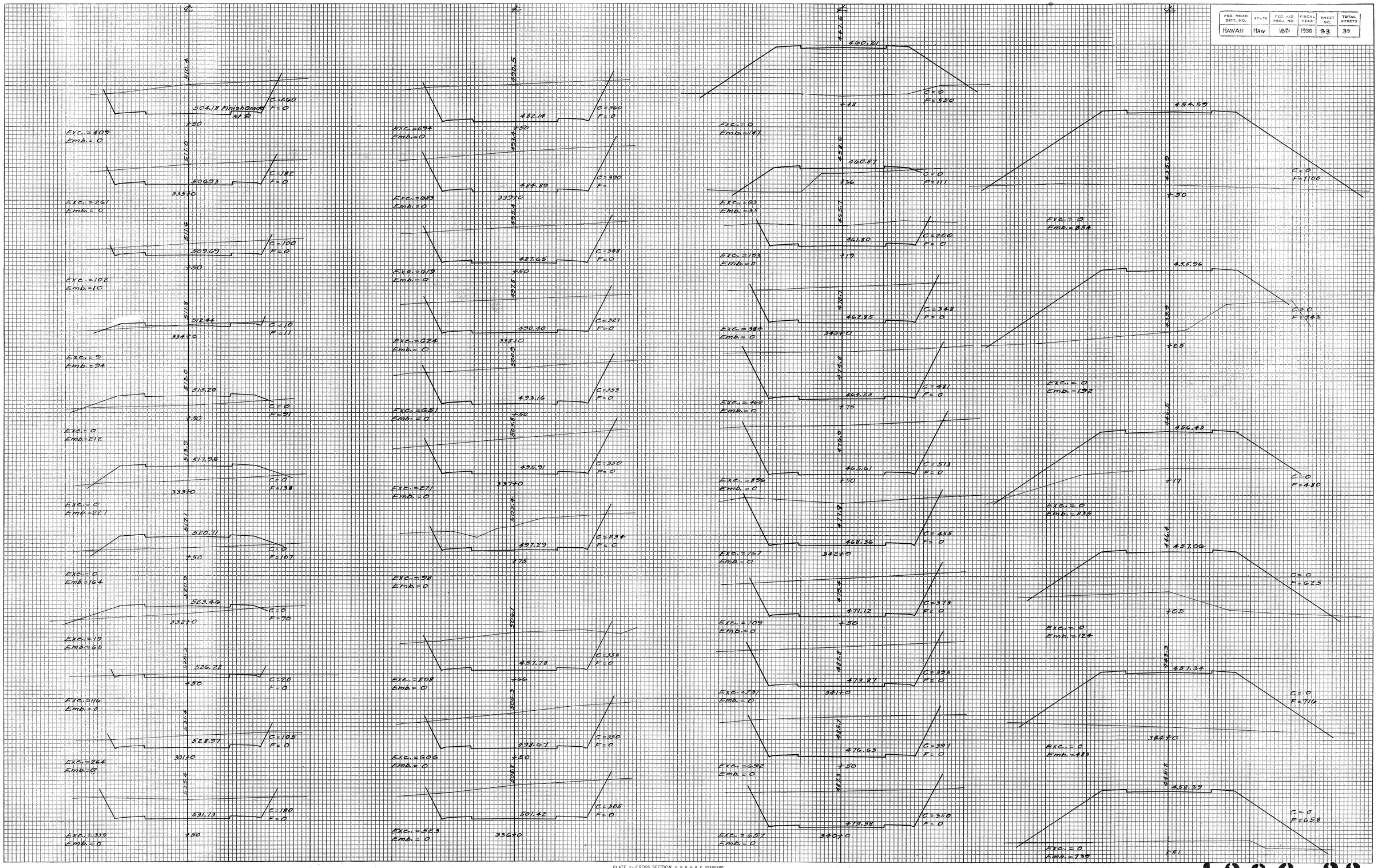

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

4386.33

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	188	1936	34	39

FINAL SURVEY — BY: Kamai, Kabatake — DATE: May 36, Sept 36

SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.
AREAS
AREAS CHECKED

ORIGINAL SURVEY — BY — DATE

SURVEYED
PLOTTED
CHECKED
NOTE BOOK
NO.
AREAS
AREAS CHECKED

BRIDGE NO.-5

BRIDGE NO.-6

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
#23904

4386.34

HAWAII	HAW	18B	1936	35	39

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

BY: Hanau, Honolulu — DATE: Aug 36

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

BY — DATE

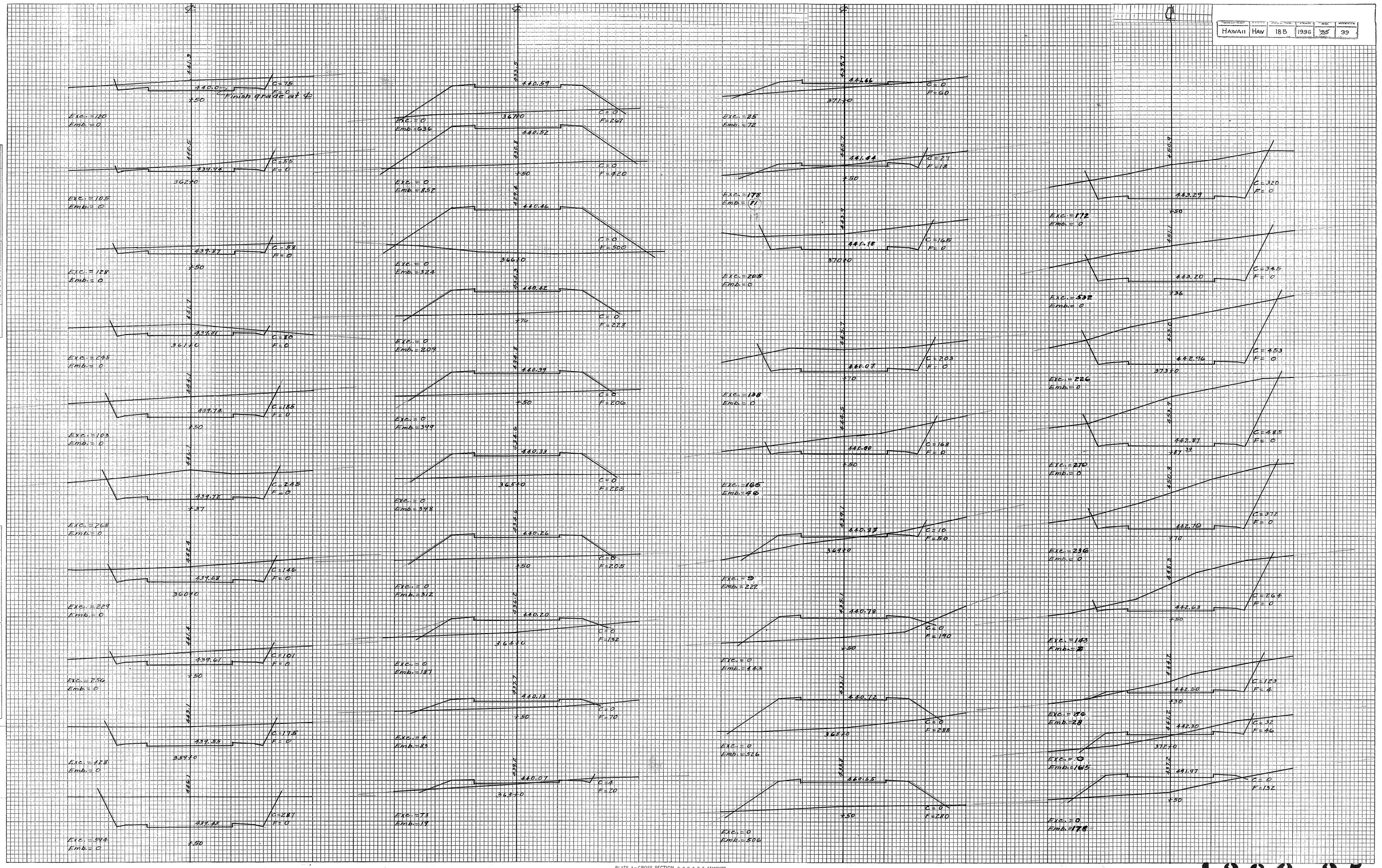

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

#23994

4386.35

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	18B	1936	396	39

FINAL SURVEY — BY: HAMAU, Kadzuma — DATE: Apr. 26, Sept. 36

SURVEYED / PLOTTED / TOPO PLATE / NOTE BOOK / NO. / AREAS CHECKED

ORIGINAL SURVEY — BY / DATE

BRIDGE No 7

PLATE 3 – CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
23994

4386.36

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	188	1936	37	99

BY	DATE
Aunay Hobathe	Aug 36 Sept "

FINAL SURVEY — NOTE BOOK — NO.

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED

Finish grade at ℄

Sta.	Elev.	Exc.	Emb.	C	F
390+15	441.27	9	205	8	55
391+00	441.93			0	261
391+15	442.24	0	156		
391+40				0	301
391+61	443.18	0	463		
391+80				0	340
392+00	443.77	0	272		
392+39				0	205
392+50	444.50	0	192		
392+80				0	228
393+00	445.34	0	206		
393+20				0	200
393+31	446.09	0	128		
393+68				0	124
393+82	446.76	0	30		
394+00				0	141
394+50	447.91	0	244		
394+20				0	299
394+50	448.61	0	128		
394+73	449.33	0	108		
394+66	443.44			173	0
394+73	443.16			191	0
394+50		0	383		
394+71	442.30			223	0
394+50		340.7	0		
394+76	441.44			145	0
394+50		218	0		
394+18	440.72			50	0
394+50		154	0		
394+16	440.28			76	0
394+50		213	0		
394+33	440.11			154	0
394+50		383	0		
394+67	440.23			260	0
394+50		341	0		
394+67	440.62			108	0
394+50		107	51		
397+10					
397+27	450.84			0	110
397+50		0	299		
397+45	450.04			0	213
397+50		0	436		
397+26	447.18			0	258
397+70					
397+83	443.32	0	413		
397+50				0	188
397+50		0	237		
397+50	441.46			0	68
397+40					
397+67	446.60	24	63	26	0
397+50					
397+18	444.78	176	0	110	0
397+50					
397+11	444.88	241	0	150	0
397+50					
397+50	444.0	335	0	226	0
397+79					
397+66	443.68	160	0	228	0
398+00		164	0		
400+50	452.58			87	0
400+29		96	0		
400+40	452.75			91	0
400+50		188	0		
400+50	452.94			112	0
400+50		102	0		
400+23	453.00			91	0
400+50		11	13		
403+70	453.01			13	4
403+50		14	11		
403+50	452.96			12	8
403+50		6	16		
402+50	452.79			9	9
402+50		8	17		
402+50	452.49			5	9
402+50		35	8		
401+50	452.06			33	0
401+50		50	0		
401+50	451.51			21	0
401+50		19	102		

PLATE 3 – CROSS SECTION O. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

#23994

4386.37

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	18B	1936	38	39

FINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

Exc. = 28
Emb. = 69
445.50 Finish grade at ℄
C = 30
F = 0
409+50

Exc. = 0
Emb. = 166
446.38
C = 0
F = 75
+50

Exc. = 0
Emb. = 282
447.76
C = 0
F = 104
408+70

Exc. = 0
Emb. = 379
445.14
C = 0
F = 201
+50

Exc. = 0
Emb. = 357
447.02
C = 0
F = 208
407+20

Exc. = 0
Emb. = 246
449.90
C = 0
F = 178
+50

Exc. = 0
Emb. = 106
450.72
C = 0
F = 88
406+20

Exc. = 50
Emb. = 24
451.41
C = 0
F = 26
+50

Exc. = 67
Emb. = 1
451.46
C = 54
F = 0
405+20

Exc. = 42
Emb. = 0
451.42
C = 20
F = 1
+50

Exc. = 0
Emb. = 82
441.26
C = 0
F = 214
+41

Exc. = 5
Emb. = 13
441.30
C = 0
F = 126
+28

Exc. = 34
Emb. = 18
441.38
C = 10
F = 15
413+20

Exc. = 39
Emb. = 18
441.53
C = 27
F = 4
+50

Exc. = 62
Emb. = 14
441.86
C = 15
F = 15
412+20

Exc. = 147
Emb. = 0
442.24
C = 52
F = 0
+50

Exc. = 184
Emb. = 0
442.71
C = 107
F = 0
411+20

Exc. = 142
Emb. = 0
443.27
C = 92
F = 0
+50

Exc. = 110
Emb. = 0
443.92
C = 61
F = 0
410+20

Exc. = 81
Emb. = 0
444.67
C = 58
F = 0
+50

Exc. = 0
Emb. = 16
440.33
C = 0
F = 50
+50

Exc. = 36
Emb. = 30
440.48
C = 0
F = 32
+630

Exc. = 113
Emb. = 0
440.63
C = 38
F = 0
+50

Exc. = 154
Emb. = 0
440.78
C = 83
F = 0
415+20

Exc. = 75
Emb. = 1
440.93
C = 83
F = 0
+50

Exc. = 65
Emb. = 1
441.0
C = 45
F = 11
+26

Exc. = 40
Emb. = 136
441.08
C = 50
F = 1
414+20

Exc. = 0
Emb. = 66
441.20
C = 0
F = 186
+60

Exc. = 0
Emb. = 70
441.23
C = 0
F = 208
+50

Exc. = 138
Emb. = 0
439.21
C = 80
F = 0
+25

Exc. = 218
Emb. = 0
439.48
C = 211
F = 0
420+10

Exc. = 96
Emb. = 0
439.43
C = 83
F = 0
+50

Exc. = 82
Emb. = 0
439.53
C = 75
F = 0
+17

Exc. = 238
Emb. = 0
439.58
C = 185
F = 0
419+20

Exc. = 101
Emb. = 0
439.13
C = 72
F = 0
+50

Exc. = 51
Emb. = 6
439.88
C = 37
F = 0
418+20

Exc. = 22
Emb. = 10
440.03
C = 19
F = 7
+50

Exc. = 6
Emb. = 30
440.18
C = 6
F = 4
417+20

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KEUFFEL & ESSER CO., NEW YORK.

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4386.38

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	185	1936	38	39

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

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

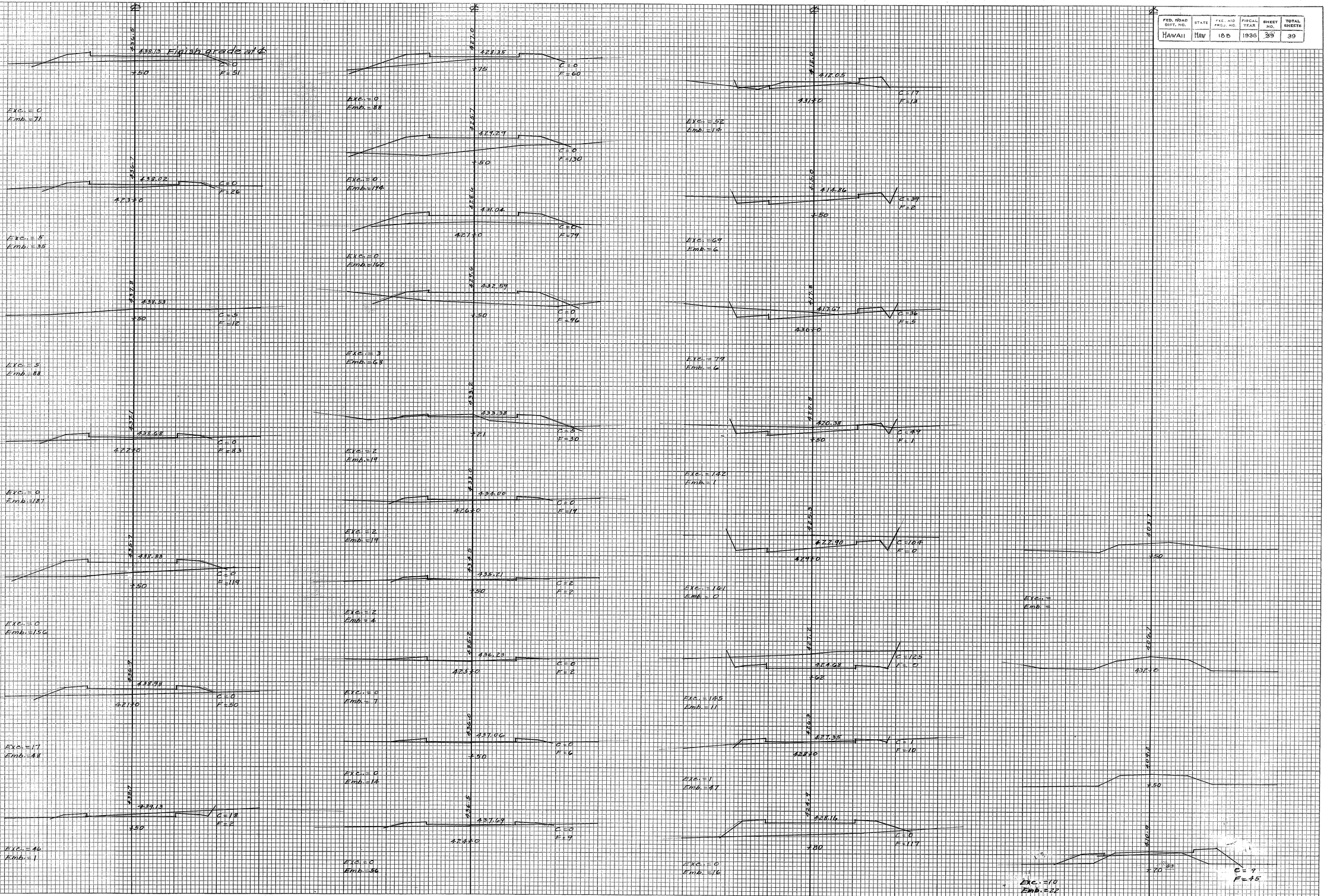

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD

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4386.39