FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.G.M. 13-H.	1935	14	14

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	Kpm. H 13 I	1935	15	21

Revised 11/31/36

	BY	DATE
ORIGINAL SURVEY		
SURVEYED	D.F.B.	Oct. '36
PLOTTED	"	"
NOTE BOOK	E.H.H. & E.J.S	Nov. '36
TEMPLATE		
AREAS CHECKED		
NO.		

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

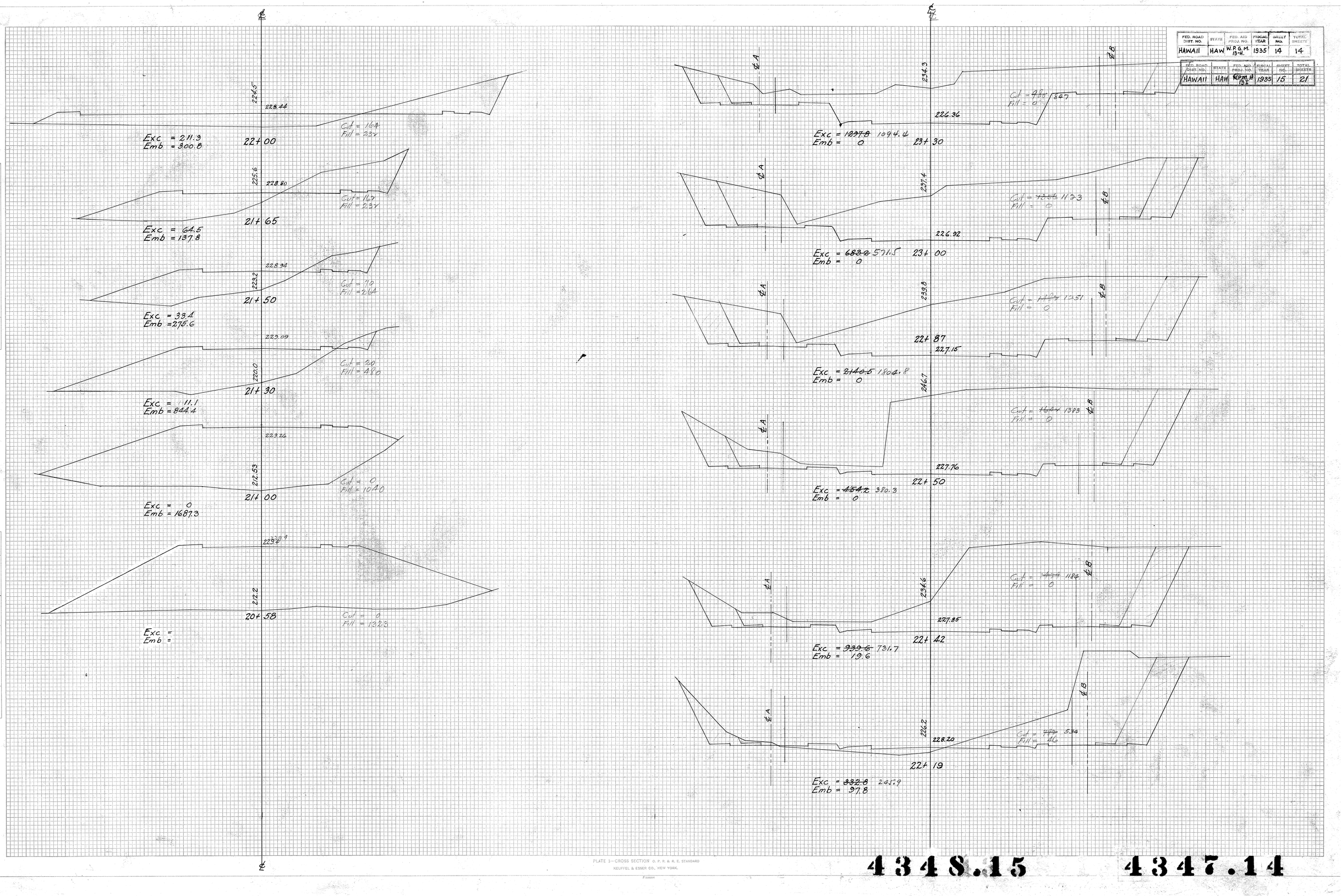


PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

4348.15 4347.14

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.G.M. 13-1	1935	16	21

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

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

Oct. '35 — D.F.S. — E.H. & E.J.C. — 11 — Nov. '36

Revised 1/31/36

Z5+75 C 1059 Z10.97
Exc. = ~~969~~ 970.4
Emb. = 0

Z5+00 C 1037 Z11.18
Exc. = ~~769~~ 757.0
Emb. = 0

Z4+79 C ~~940~~ 912 Z12.47
Exc. = ~~959.1~~ ~~818.5~~ 936.1
Emb. = 0

Z4+50 C = ~~874~~ / ~~861~~ 831
F = 2 Z13.34
Exc. = ~~1476~~ / ~~1414~~ 1391.6
Emb. = 0

Z4+00 C ~~720~~ / ~~743~~ 672
F = 7 Z14.11
Exc. = ~~1318.3~~ / ~~1355~~ 1172.1
Emb. = 0

Z3+58 C ~~976~~ / ~~994~~ 831 Z15.72
Exc. = ~~2255~~ / ~~2200~~ 253.2
Emb. = 0

Z3+50 C ~~1020~~ 874 Z15.90
Exc. = ~~754.0~~ 637.4
Emb. = 0

Z11.53
F = ~~200~~ / ~~197~~
Exc. = 0
Emb. = ~~127.6~~ / ~~141.5~~ 134.3

Z12.67
Z7+26.98
F = ~~111~~ / ~~119~~ 102
Exc. = 0
Emb. = ~~13.5~~ 84.9

Z13.94
Z7+00
F = ~~43~~ / ~~44~~ 68
Exc. = ~~0~~ / ~~154~~ 275.8
Emb. = ~~205~~ / ~~241.5~~ 66.7

Z6+29 C = 281 Z16.29
Exc. = 11.6
Emb. = 0

Z6+47

Z6+46 C 347 Z16.34
Exc. = 359.3
Emb. = 0

Z6+74 C 585 Z17.25
Exc. = 513.8
Emb. = 0

Z6+00 C 621 Z18.22
Exc. = 381.7
Emb. = 0

Z5+85 C 753 Z20.00
Exc. = ~~1115~~ 1110.3
Emb. = 0

Z5+50 C ~~1043~~ 960 Z20.10
Exc. = ~~1485~~ 934.7
Emb. = 0

181.12
F = ~~532~~ 611
Exc. = 0
Emb. = ~~105.5~~ 137.2

31+70

188.32
F = ~~336~~ 515
Exc. = 0
Emb. = ~~135.0~~ 358.4

31+50

191.32
F = ~~411~~ ~~504~~ 460
Exc. = 0
Emb. = ~~671.0~~ ~~849.0~~ 663.0

31+00

194.32
F = ~~210~~ ~~276~~ 286
Exc. = 0
Emb. = ~~315.0~~ ~~396.0~~ 296.3

30+50

197.32
F = ~~72~~ 64
Exc. = ~~23~~ ~~22~~
Emb. = ~~80.5~~ ~~87.5~~ 68.5

30+00

200.32
F = ~~13~~ ~~11~~ 10
Exc. = ~~34.4~~ ~~34.2~~ C-10
Emb. = ~~3.6~~ ~~3.6~~ ~~3.6~~

29+50

202.12
Exc. = ~~59.1~~ ~~59.1~~ C-~~58~~ 52
Emb. = ~~0~~ ~~0~~ 57

29+20

203.32
C-~~73~~ 97
Exc. = ~~125.7~~ 129.8
Emb. = ~~1.0~~ 1.0
~~18.0~~

29+00

206.23
C-~~6~~ 5
F = 1
Exc. = ~~0.6~~ 39.8
Emb. = ~~146.3~~ ~~191.4~~ 91.6

28+50

208.98
F = ~~120~~ ~~128~~ 98
Exc. = 0
Emb. = ~~284.5~~ ~~369.5~~ 276.0

28+00

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

4348.16

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.G.M. 13-I	1935	17	21

NO.	REVISIONS	BY	DATE

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

D. F. B. — Oct. '35 — E. H. H. & E. E. K. — Nov. '35

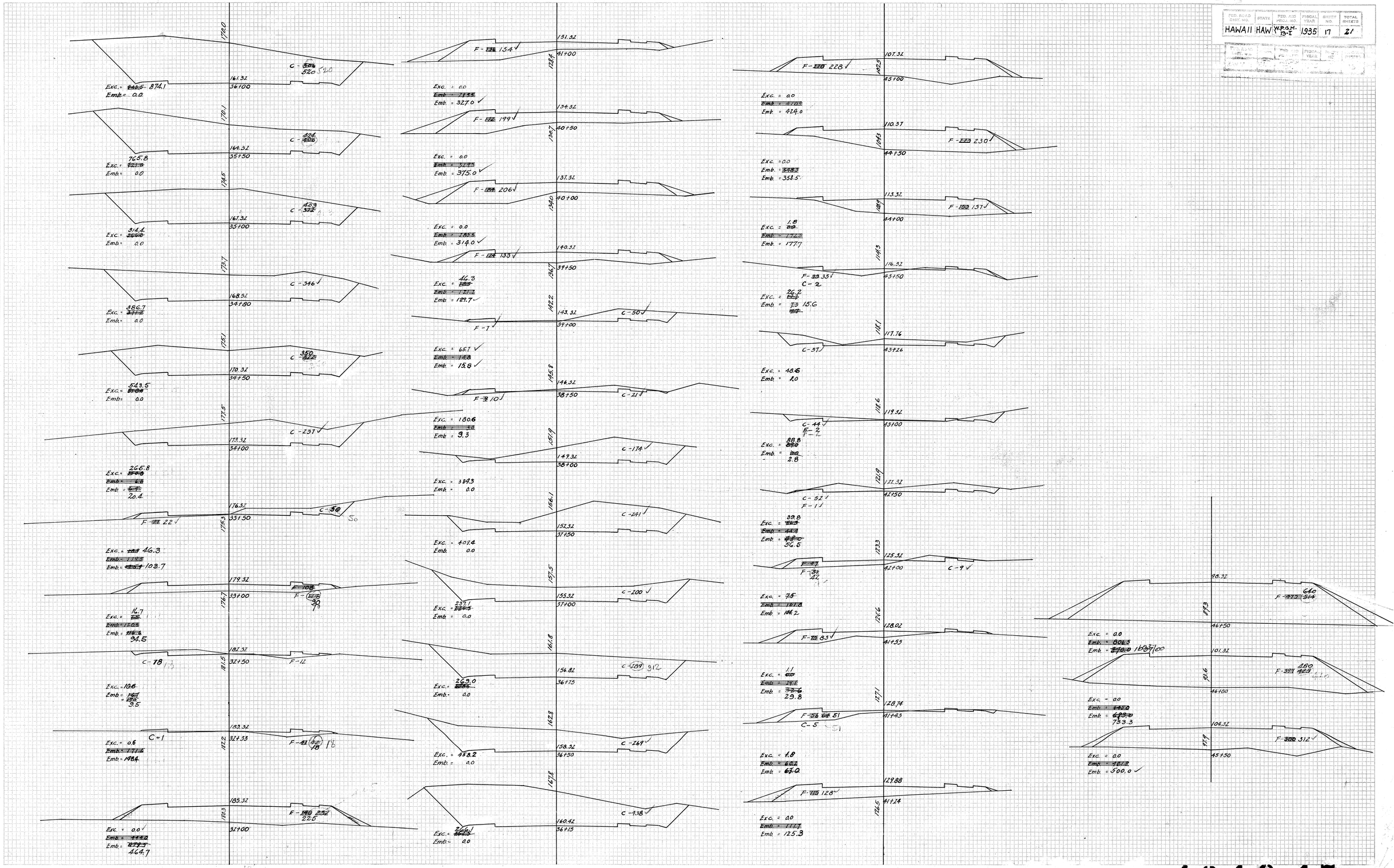


PLATE 5 — CROSS SECTION D. P. B. H. & E. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

4348.17

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	PROJECT YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.R.M.H. 13-I	1935	18	21

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

89.56 — 160 — 50+00 — F ~~447~~ F 463 ~~483~~ — Exc. = 0.0 — Emb. = ~~3665~~ ~~384~~ 388.0

90.04 — 130 — 49+75 — F ~~348~~ F ~~367~~ 385 — Exc. = 0.0 — Emb. = ~~1910~~ ~~202.5~~ 207.3

90.33 — 141 — 49+60 — F ~~321~~ F 342 — Exc. = 0.0 — Emb. = ~~3335~~ 357.6

90.82 — 82.6 — 49+35 — F ~~359~~ F 404 — Exc. = 0.0 — Emb. = ~~3642~~ 599.6

91.38 — 127 — 49+00 — F ~~482~~ F 521 — Exc. = 0.0 — Emb. = ~~4332~~ ~~5300~~ 578.3

91.31 — 122 — 48+70 — F ~~400~~ F ~~437~~ 520 — Exc. = 0.0 — Emb. = ~~3335~~ ~~3615~~ 393.7

91.85 — 132 — 48+50 — F ~~500~~ F 543 — Exc. = 0.0 — Emb. = ~~4378~~ ~~4214.0~~ 1028.2

94.31 — 124 — 48+00 — Undergrade Crossing 47+90 48+10 — F ~~772~~ F ~~773~~ 745 — Exc. = 0.0 — Emb. = ~~13272~~ ~~1446.8~~ 1135.6

95.99 — 143 — 47+50 — F ~~776~~ F 788 — Exc. = 0.0 — Emb. = ~~12065~~ 1432.6

97.87 — 163 — 47+00 — F ~~695~~ F 759 — Exc. = 0.0 — Emb. = ~~10334~~ ~~11175~~ 1295.5

85.21 — 151 — 53+30 — C-121 — Exc. = 81.2 — Emb. = ~~112~~ 0.0

83.8 — 83.8 — 53+00 — C-25 — F-7 — Exc. = ~~23.2~~ 28.3 — Emb. = ~~2665~~ 288.3

84.76 — 200 — 52+50 — F ~~208~~ F 220 — Exc. = 0.0 — Emb. = ~~1973~~ 306.0

85.41 — 191 — 52+15 — F ~~242~~ F 252 — Exc. = 0.0 — Emb. = ~~1935~~ 147.0

85.72 — 189 — 51+00 — F ~~270~~ F 279 — Exc. = 0.0 — Emb. = ~~5215~~ 538.0

86.68 — 180 — 51+50 — F ~~293~~ F 304 — Exc. = 0.0 — Emb. = ~~2215~~ ~~2330~~ 246.1

87.09 — 173 — 51+28 — F ~~258~~ F 268 — Exc. = 0.0 — Emb. = ~~3135~~ ~~3275~~ 357.8

87.64 — 201 — 51+00 — F ~~346~~ F ~~364~~ 390 — Exc. = 0.0 — Emb. = ~~3750~~ ~~3860~~ 402.8

88.12 — 178 — 50+75 — F ~~442~~ F ~~469~~ 480 — Exc. = 0.0 — Emb. = ~~4330~~ ~~4565~~ 472.2

88.60 — 178 — 50+50 — F ~~483~~ F ~~517~~ 540 — Exc. = 0.0 — Emb. = ~~4122~~ ~~4440~~ 454.6

89.08 — 180 — 50+25 — F ~~420~~ F 442 — Exc. = 0.0 — Emb. = ~~3775~~ ~~4190~~ 414.3

76.12 — 57+00 — C-~~17~~ — F-2 — Exc. = ~~172~~ .1 — Emb. = ~~00~~ 1.9

81.0 — 77.08 — 56+50 — C-267 — Exc. = 89.6 — Emb. = 0.0

89.0 — C-697 — 78.04 — 56+00 — Exc. = ~~643.0~~ 642.2 — Emb. = 0.0

91.8 — C-904 — 78.46 — 55+78.34 — Exc. = ~~4005~~ 902.7 — Emb. = 0.0

91.1 — C-816 — 79.0 — 55+50 — Exc. = 141.3 — Emb. = 0.0

91.4 — C-711 — 79.96 — 55+00 — Exc. = ~~1231.0~~ 1252.3 — Emb. = 0.0

91.0 — C-~~547~~ 642 — 80.92 — 54+50 — Exc. = ~~4580~~ 980.6 — Emb. = 0.0

90.0 — C-417 — 81.88 — 54+00 — Exc. = ~~3620~~ 361.7 — Emb. = 0.0

88.8 — C-234 — 81.46 — 53+70 — Exc. = ~~1816~~ 162.5 — Emb. = 0.0

87.44 — C-~~530~~ 205 — 81.84 — 53+50 — Exc. = ~~1100~~ 120.8 — Emb. = 0.0

72.28 — 66.6 — 59+00 — F ~~372~~ ~~600~~ 330 — Exc. = 0.0 — Emb. = ~~6035~~ ~~6600~~ 701.9

73.1 — 66.6 — 58+50 — F ~~373~~ F ~~700~~ 428 — Exc. = 0.0 — Emb. = ~~3715~~ ~~4200~~ 645.4

74.1 — 68.2 — 58+00 — F ~~382~~ F 269 — Exc. = 0.0 — Emb. = ~~3635~~ ~~3850~~ 384.9

74.93 — 68.7 — 57+67 — F ~~266~~ F 278 — Exc. = 0.0 — Emb. = ~~1003~~ 105.8

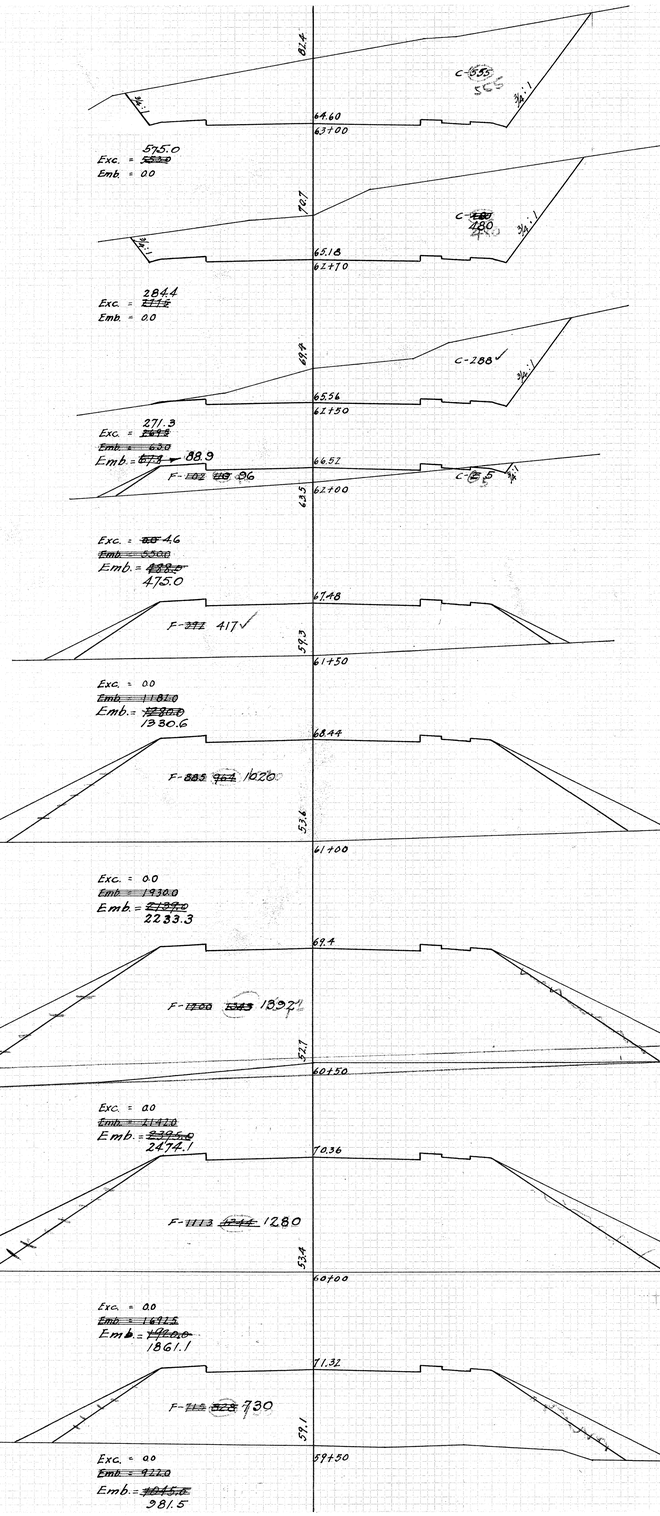
75.16 — 71.1 — 57+50 — F ~~282~~ F 198 — Exc. = 0.0 — Emb. = ~~1345~~ ~~1405~~ 148.9

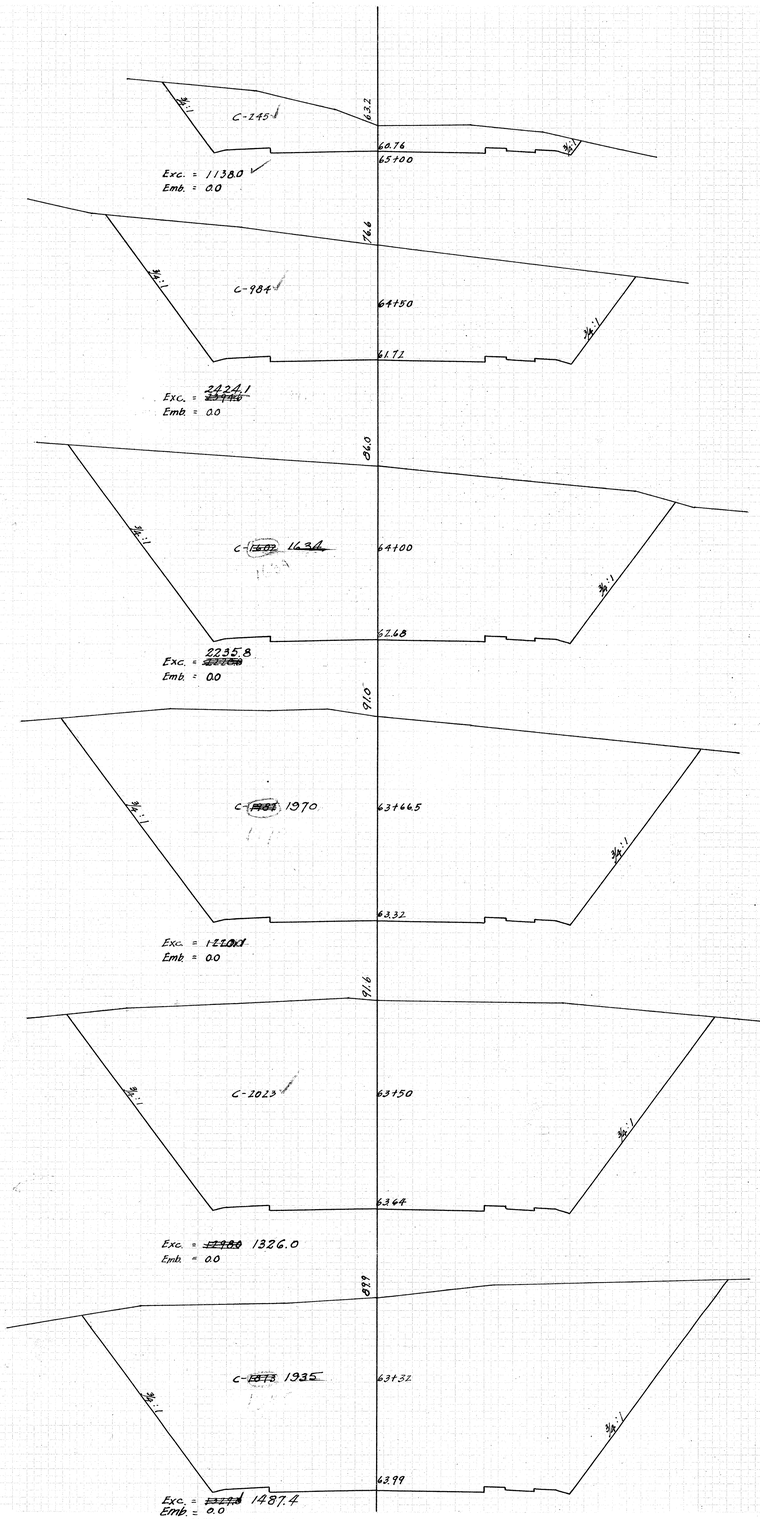
75.74 — 72.6 — 57+20 — F ~~55~~ F ~~60~~ 70 — Exc. = ~~48~~ 10.0 — Emb. = ~~776~~ ~~3346~~ 26.6

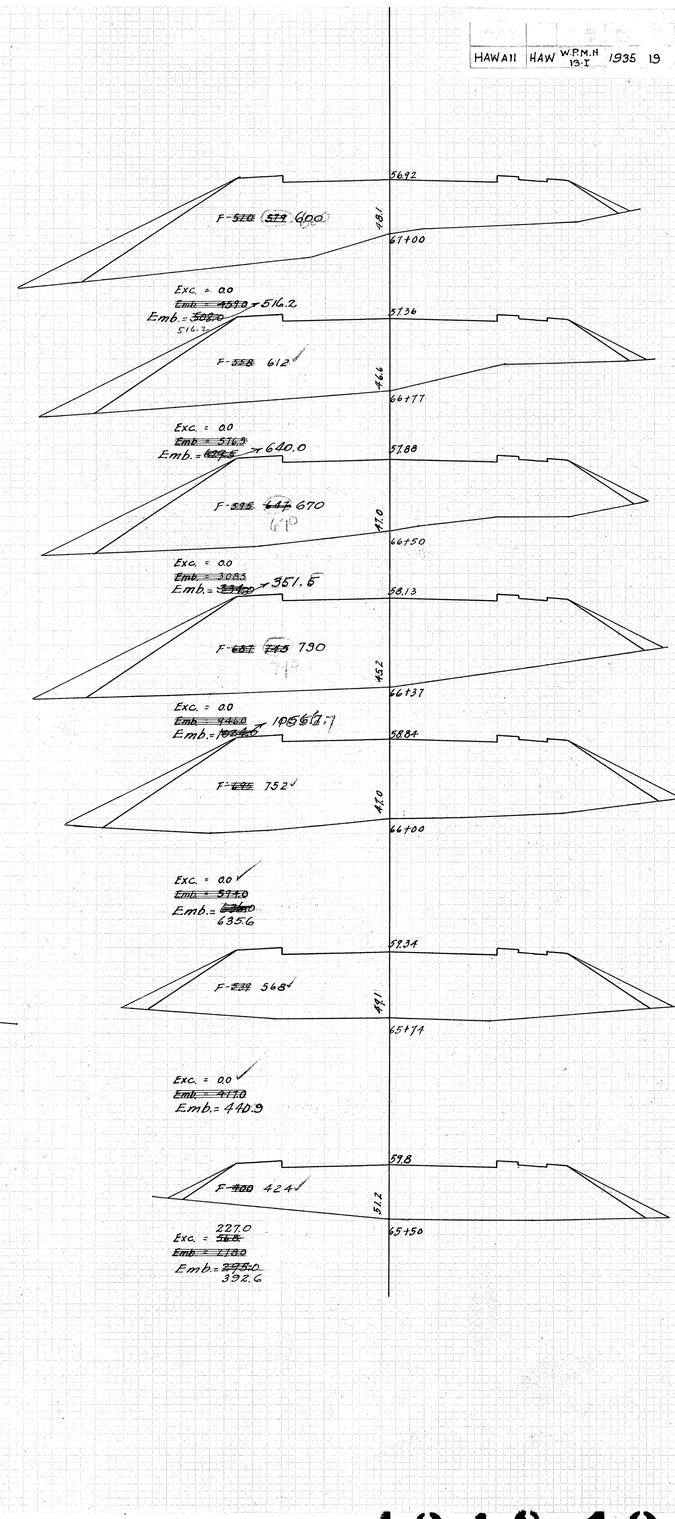
PLATE 5 - CROSS SECTION U. P. R. & R. R. STANDARD
KRUFFEL & ESSER CO., NEW YORK

4348.18

						TOTAL SHEETS
HAWAII	HAW	W.P.M.H 19-I	1935	19	21	







4348.19

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.M.H 13.1	1935	20	21

149.7
48.18
71+50
C = 7M
F = 2
Exc. = ~~183~~ 197.5
Emb. = ~~00~~ 1.0

543
48.78
71+24
C = 339✓

Exc. = ~~614~~ 549.6
Emb. = 0.0

38.7
70+86
C = 542✓
49.51
545
C = 308✓
50.20
70+50

Exc. = 566.7
Emb. = 0.0

Exc. = 301
Emb. = ~~26~~ 18.5

50.1
51.16
70+00
C = 17✓
F = ~~18~~ 20✓

Exc. = 11.1✓
Emb. = ~~417~~ 444

49.5
51.74
69+70
F = ~~54~~ 58✓

Exc. = ~~38~~ 32.2
Emb. = ~~241~~ 252 28.9
C = ~~100~~ 84

32.9
52.12
69+50
F = ~~31~~ 20

Exc. = ~~1134~~ 104.4
Emb. = ~~11~~
Emb. = ~~40~~ 11.1

542
52.70
69+20
C = 104✓

Exc. = ~~1000~~ 90.3
Emb. = 0.0

54.1
53.08
69+00
C = ~~120~~ 140✓

Exc. = ~~1420~~ 139.5
Emb. = 0.0

53.7
53.00
68+74
C = ~~125~~ 150

Exc. = ~~718~~ 68.8
Emb. = ~~68~~ 10.7

53.1
54.04
68+50
C = 5✓
F = ~~23~~ 24✓

Exc. = ~~40~~ 1.7
Emb. = ~~20~~
Emb. = ~~180~~ 74.7

51.6
54.30
68+32
F = ~~80~~ 80

Exc. = 0.0
Emb. = ~~171~~
Emb. = ~~134.5~~ 144.5

55.00
F = ~~153~~ 164✓
53.5
68+00
148.9
Exc. = 0.0 Emb. = 146.0
Emb. = ~~135.0~~
55.46
F = ~~153~~ ~~165~~ 171
51.2
67+76

Exc. = 0.0
Emb. = ~~165.5~~
Emb. = ~~182.0~~
111.1

55.96
F = ~~191~~ 204✓
50.1
67+50

Exc. = 0.0
Emb. = ~~181.8~~
Emb. = ~~188.0~~
187.0

56.37
F = ~~164~~ 270✓
49.5
67+28.7

Exc. = 0.0
Emb. = ~~416.5~~
Emb. = ~~456.0~~ 462.4

37.5
38.68
76+50
C = 17✓
Exc. = 70.4 F = 8
Emb. = ~~120~~ 13.9✓

39.1
39.64
76+00
C = 59✓
F = ~~6~~ 7

Exc. = 161.0✓
Emb. = ~~7.9~~ ~~22.0~~ 6.5

41.5
40.60
75+50
C = 115✓

Exc. = ~~458.7~~ 441.7
Emb. = 0.0

47.5
C = ~~345~~ 362✓
41.56
75+00

Exc. = ~~2610~~ 2344.8
Emb. = 0.0

61.9
74+32
C = 1500✓

Exc. = ~~11760~~ 1770.7
Emb. = 0.0✓

63.1
74+00
C = 1488✓

Exc. = ~~27490~~ 2813.0
Emb. = 0.0✓

43.48
65.2
73+50
C = ~~1397~~ 1550

44.44
Exc. = ~~26430~~ 2679.6
Emb. = 0.0✓

64.00
73+00
C = 1344✓

45.40
Exc. = ~~17280~~ 1750.0
Emb. = 0.0✓

54.7
72+50
C = ~~333~~ 546

46.36
Exc. = ~~7320~~ 744.0
Emb. = 0.0

49.8
47.31
72+00
C = 258✓

Exc. = ~~3168~~ 304.7
Emb. = ~~20~~ 1.9

31.5
28.73
81+16
C = ~~140~~ 133
133

Exc. = ~~828~~ 83.7
Emb. = 0.0

30.4
30.04
81+00
C = 150✓

Exc. = ~~134~~ 138.9
Emb. = ~~387.0~~
Emb. = ~~412.0~~ 462.1

31.00
F = ~~461~~ 499✓
21.5
80+50

Exc. = 0.0
Emb. = ~~446.2~~
Emb. = ~~476.0~~ 475.5

31.48
F = ~~477~~ 528✓
22.1
80+25

Under Grade Crossing
80+12.5
80+32.5
20'

Exc. = 0.0
Emb. = ~~430.6~~
Emb. = 459.2

31.96
F = ~~423~~ 464✓
23.9
80+00

Exc. = 0.0
Emb. = ~~8203~~
Emb. = ~~8800~~ 892.6

32.92
F = ~~523~~ ~~526~~ 500
23.7
79+50

Exc. = 0.0✓
Emb. = ~~1112~~
Emb. = ~~8540~~ 863.4

33.88
F = ~~403~~ 433✓
26.6
79+00

Exc. = ~~24~~ 1.0
Emb. = ~~534.2~~
Emb. = 574.~~8~~ .1

34.84
C = 1✓
30.7
F = ~~176~~ 187✓
78+50

Exc. = 156.5✓
Emb. = ~~163.8~~
Emb. = 174.0✓

35.8
C = 168✓
38.3
78+00
F = 1✓

Exc. = ~~1481~~ 273.3
Emb. = ~~20~~ 0.6

36.45
C = ~~200~~ 266
41.9
77+66

Exc. = ~~7120~~ 556.2
Emb. = 0.0

37.39
C = 347✓
44.2
77+17

Exc. = ~~4960~~ 296.7
Emb. = ~~40~~ 0.7

38.1
C = 86✓
38.9
76+80

Exc. = 51.3 F = 1
Emb. = ~~45~~ 50✓

23.9
21.00
85+71
C = 522✓

Exc. = ~~373.5~~ 374.1
Emb. = 0.0

28.0
C = 440✓
21.40
85+50

Exc. = ~~544.6~~ 581.5
Emb. = 0.0

22.0
12.36
85+00
C = 148✓

Exc. = ~~411~~ 137.0
Emb. = ~~7.8~~
Emb. = ~~87.0~~ 112.0

13.32
F = ~~111~~ ~~128~~ 121
13.5
84+50

Exc. = 0.0✓
Emb. = ~~1112~~ ~~1206~~ 174.0

14.03
F = ~~131~~ ~~146~~ 1133
20.1
84+13

Exc. = 0.0✓
Emb. = ~~1242~~ ~~1450~~ 126.3

14.70
F = ~~82~~ ~~78~~ 62
23.0
83+18

Exc. = ~~14~~ 3.6
Emb. = ~~231~~ ~~1300~~ 67.9

15.24
F = ~~61~~ 64✓
21.9
83+50
C = 7✓

Exc. = ~~78~~ 6.5
Emb. = ~~1112.0~~
Emb. = 122.2

16.20
F = ~~60~~ 63✓
24.2
83+00

Exc. = ~~111~~ 22.2
Emb. = ~~10.2~~
Emb. = ~~110~~ 22.8

21.9
16.57
Exc. = 166.5✓
Emb. = ~~220~~ 111.1
82+81
C = 63✓
F = 2
30.2
17.16
C = 117✓
82+50

Exc. = 493.6✓
Emb. = 0.0

34.4
C = 306✓
18.12
Exc. = 426.9✓
Emb. = 0.0✓
82+00
36.8
19.08
C = 155✓

Exc. = ~~1381~~ 181.2
Emb. = 0.0
81+50

4348.20

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHTS.
HAWAII	HAW.	W.P.M.H 15-1	1935	21	21

Exc. = 273.0 ✓
Emb. = 0.0 ✓

Exc. = ~~72.5~~ 70.5
~~Emb. = 3.5~~
Emb. = ~~8.0~~

Exc. = ~~25.7~~ F = ~~16~~
Emb. = ~~50.5~~ 51.4 ✓

F = ~~41~~ 49 ✓

Exc. = ~~79.5~~ 18.9
~~Emb. = 30.0~~
Emb. = 30.0 ✓

Exc. = 286.0 ✓
~~Emb. = 0.2~~
Emb. = ~~0.2~~ 4.6

Exc. = ~~37.2~~ 10.3
~~Emb. = 0.1~~
Emb. = ~~0.1~~ 4.6

F = ~~8.5~~ ✓

Exc. = ~~47.0~~ 87.0
~~Emb. = 15.1~~
Emb. = ~~15.1~~ 17.6

F = ~~14.~~ 14 ✓

Exc. = 94.5 ✓
~~Emb. = 6.5~~
Emb. = ~~6.5~~ 12.9

Exc. = 170.1
Emb. = 0.0

Exc. = 333.3
Emb. = 0.0

Exc. = 525.4
Emb. = 0.0

Exc. = 700.0 ✓
Emb. = 0.0 ✓

Exc. = 900.0 ✓
Emb. = 0.0 ✓

Exc. = 575.7
Emb. = 0.0

C = 194 ✓
C = 103 ✓
C = 33 ✓
C = 1
C = 34 ✓
C = 275 ✓
C = ~~73~~ 66
C = 34 ✓
C = 68 ✓
C = 116 ✓
C = 234 ✓
C = 334 ✓
C = 422 ✓
C = 550 ✓

F = ~~5~~ 5 ✓

11.8 9.20 92+00
11.2 9.95 91+50
10.40 10.43 91+22
8.6 11.22 90+80
11.1 11.80 90+50
14.8 12.76 90+00
13.1 13.72 89+50
13.6 14.68 89+00
14.0 15.64 88+50
18.2 16.60 88+00
20.9 17.36 87+50
22.4 18.32 87+00
25.2 19.28 86+50
28.8 20.44 86+00

9.7 9.16 99+65
9.1 9.11 99+50
7.1 8.95 99+00
5.8 8.78 98+50
6.4 8.62 98+00
7.2 8.46 97+50
5.7 8.30 97+00
6.4 8.14 96+50
5.8 7.97 96+00
4.7 7.81 95+50
5.3 7.58 94+74
7.3 7.55 94+50
6.3 7.60 94+00
6.5 7.79 93+50
8.8 8.12 93+00
16.8 8.51 92+58
11.0 8.82 92+29

Exc. = 27 ✓
Exc. = ~~22.4~~ 14.3
~~Emb. = 3.3~~
Emb. = ~~34.8~~ 32.5
C = 29 ✓
Exc. = ~~14.1~~ 23.2
~~Emb. = 17.5~~
Emb. = 127.8
Exc. = 0.0
~~Emb. = 13.3~~
Emb. = ~~14.5~~ 145.2
Exc. = 0
~~Emb. = 10.2~~
Emb. = 170.8
Exc. = 0
~~Emb. = 9.4~~
Emb. = 102.8 ✓
Exc. = 0.0
~~Emb. = 5.5~~
Emb. = 97.3 ✓
Exc. = 0.0
~~Emb. = 16.7~~
Emb. = 179.6
Exc. = 0.0 ✓
~~Emb. = 16.2~~
Emb. = ~~17.4~~ 178.7
Exc. = 0.0
~~Emb. = 13.4~~
Emb. = 167.5 ✓
Exc. = 0 ✓
~~Emb. = 21.3~~
Emb. = ~~23.0~~ 232.1
Exc. = ~~13.3~~ 19.1
~~Emb. = 2.9~~
Emb. = ~~3.1~~ 27.6
Exc. = 62.0
~~Emb. = 16.3~~
Emb. = 18.5 ✓
Exc. = ~~2.1~~ 4.6
~~Emb. = 2.3~~
Emb. = 29.6 ✓
Exc. = ~~17.6~~ 114.0
~~Emb. = 1.4.5~~
Emb. = ~~15.0~~ 21.3
Exc. = ~~41.5~~ 425.3
Emb. = 0.0 ✓
Exc. = ~~27.0~~ 271.7
Emb. = 0.0 ✓

F = ~~15~~ 40 ✓
F = ~~15~~ 77 ✓
F = ~~20~~ 61 ✓
F = ~~20~~ 96 ✓
F = ~~20~~ 88 ✓
F = ~~20~~ 23 ✓
F = ~~14~~ 82 ✓
F = ~~20.5~~ 112 ✓
F = ~~10~~ 75 ✓
F = ~~100~~ 106 ✓
F = ~~57~~ 59 ✓
F = ~~75~~ 77 ✓
F = ~~20~~ 61 ✓
F = ~~20~~ 96 ✓
F = ~~22~~ 23 ✓
C = 40
C = 27
C = 18
C = 4
C = 123 ✓
C = ~~466~~ 490

Exc. = 1.9
Emb. = ~~5.0~~ 61.8
Exc. = 2.0 ✓
Emb. = ~~27.0~~ 97.2
Exc. = ~~2.0~~ 3.7
Emb. = ~~13.7~~ 103.6
Exc. = ~~2.5~~ 3.3
Emb. = ~~20.7~~ 211.1
Exc. = ~~3.0~~ 14.6
Emb. = ~~15.5~~ 26.6
Exc. = 62.0
Emb. = 0.0
Exc. = 38.7
Emb. = 1.8
Exc. = 9.2
Emb. = 17.6
Exc. = 0.0
Emb. = 41.7
Exc. = 3.7
Emb. = 85.2
Exc. = 3.7
Emb. = 102.0
Exc. = 7.4
Emb. = 6.76
Exc. = 26.8
~~Emb. = 7.5~~
Emb. = ~~9.5~~ 86.11
Exc. = ~~7.8~~ 8.3
~~Emb. = 14.2~~
Emb. = 191.7
Exc. = 0.0
~~Emb. = 27.0~~
Emb. = 280.5 ✓
Exc. = 0.0
~~Emb. = 28.3~~
Emb. = 288.0
Exc. = 0.0 ✓
~~Emb. = 13.0~~
Emb. = 252.0 ✓
Exc. = 64.8
~~Emb. = 17.8~~
Emb. = ~~14.3~~ 120.3
Exc. = ~~62.9~~
~~Emb. = 6.8~~
Emb. = ~~4.3~~ 38.9

F = ~~32~~ ✓
C = 1
F = ~~23~~ 34
F = ~~14~~ 74
F = 41
F = 15 ✓
C = 40
C = 27
F = 4
F = 15
F = 30
F = 62
F = 48
C = ~~16~~ 20 20
F = ~~75~~ 32
C = 9 ✓
F = ~~140~~ 146 ✓
F = ~~151~~ 157 ✓
F = ~~14.7~~ 153 ✓
F = ~~140~~ 182 ✓
C = 70 ✓

9.02 105+00
9.15 104+50
9.27 104+00
9.47 103+50
9.61 103+30
8.64 106+50
8.77 106+00
8.89 105+50
9.02 105+00
9.15 104+50
9.27 104+00
9.41 103+50
9.82 103+00
10.08 102+50
9.91 102+00
9.76 101+50
9.59 101+00
9.43 100+50
9.27 100+00
8.77 106+00
8.89 105+50

Exc. = 0.0
Emb. = 30.0
Exc. = 0.0
~~Emb. = 6.2~~
Emb. = 64.8
Exc. = 0.0
~~Emb. = 7.6~~
Emb. = 60.3
Exc. = 0.0
~~Emb. = 6.2~~
Emb. = 67.7
Exc. = 0.0
~~Emb. = 17.1~~
Emb. = 149.0
Exc. = 0.0
~~Emb. = 14.6~~
Emb. = 401.0
Exc. = 0.0
~~Emb. = 14.3~~
Emb. = 403.5
Exc. = 0.0
~~Emb. = 13.4~~
Emb. = 151.5
Exc. = 0.0
Emb. = 13.9
Exc. = 53.0 ✓
Emb. = ~~0.0~~ 0.0
Exc. = ~~9.2~~ 15.9
Emb. = 39.0 ✓

F = ~~57~~ 54 ✓
F = ~~37~~ 54 ✓
F = ~~75~~ 16 ✓
F = ~~48~~ 49 ✓
F = ~~115~~ 137 ✓
F = ~~155~~ 296
F = ~~115~~ 140
F = ~~85~~ 30 ✓
C = 41 ✓
C = 16 ✓
F = 5 ✓

229.4 4+00
224.85 3+50
220.45 3+00
216.06 2+50
211.66 2+00
207.27 1+50
203.50 1+00
201.45 0+50
Road C
29+42 = 0+00

Exc. = ~~87.6~~ 87.9
C = 54 ✓
Exc. = ~~8.6~~ 6.0
Emb. = 6.0 ✓

D.F.B. Oct. '35
H. Nov. '35
E.H.H.

ORIGINAL SURVEYED BY ... DRAWN BY ... CHECKED BY ... TRACED BY ... PROFILE & CROSS SECTIONS BY ... DESIGNED BY ... QUANTITIES BY ... CHECKED BY ... APPROVED BY ... DATE ... SCALE ... STRUCTURES ... KILOMETER ... STATION ... DATUM ... CONTROL ...

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