FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	WPH. 7G	1935	25	35

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	WPGH 7-I	1935	23	23

This sheet is common to WPH 7G & WPGH 7-I

DATE 12-33 2-35 6-35

H.S.H. O.R.& L. K.T.B. K.T.B.

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

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

Exc = 0
Emb = 1248.9
9+22
13.25
24+42.1
C = 0
F = 1312

Exc = 0
Emb = 2363.3
9+72
14.75
24+18.3
C = 0
F = 1498

Exc = 0
Emb = 1197.9
9+33
17.03
23+81.2
C = 0
F = 1596

Exc = 0
Emb = 1930.8
8+97
18.39
23+60.4
C = 0
F = 1441

Exc = 121.0
Emb = 1260.2
8+78
20.85
23+21.4
C = 0
F = 1212

Exc = 12.7
Emb = 2336.3
7+95
97.66
26+92
C = 0
F = 1280

Exc = 397.3
Emb = 337.8
93.9
02.41
26+16
C = 16
F = 380

Exc = 1257.7
Emb = 0
2.8
05.41
25+68
C = 431
F = 0

Exc = 1658.4
Emb = 0
92.0
07.48
25+35
C = 1627
F = 0

Exc = 2131.2
Emb = 1574.3
85.6
09.13
25+08.5
C = 1749
F = 0

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

4343.23 4342.25

4343.23

7G Sheet 7

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.H 76	1935	26	35

DATE 12-33 6-35 6-35
BY H.E.C. G.P.R. H.A.
FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, NOTE BOOK, NO., AREAS CHECKED.

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

C=0
F=1366

84.51

29+15

Exc=0
Emb=1715.9

C=0
F=1775

86.56

28+85.5

Exc=0
Emb=1707.1

C=0
F=2304

88.24

36" Conc. Culvt. 118 Ft. long.

28+62.5

Exc=0
Emb=5296.4

C=0
F=2243

91.37

28+00

Exc=0
Emb=3863.9

C=0
F=1930

94.14

27+50

Exc=0
Emb=3447.8

80.45

30+75

C=0
F=221

Exc=2.5
Emb=32.9

80.59

30+69.4

C=25
F=130

Exc=21.3
Emb=612.3

81.73

30+30

C=4
F=729

Exc=2.2
Emb=941.1

82.71

30+00

C=0
F=967

Exc=0
Emb=3672.3

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

4342.826

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.H 76	1935	27	35

DATE	BY
12-33	R.F.C.
1-34	G.H.W.
6-35	A.P.B.
8-35	A.P.B.

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

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

92.5 72.57
C=1296
F=0
Exc=1044.4
Emb=0
32+00

92.2 73.19
C=907
F=0
Exc=790.6
Emb=22.9
33+71½

77.5 73.99
C=375
F=37
Exc=328.1
Emb=627.9
33+41

69.5 74.98
C=57
F=790
33+00

93.1 68.95
C=1690
F=0
Exc=3416.7
Emb=0
35+50

92.9 70.16
C=2000
F=0
Exc=3675.9
Emb=0
35+00

93.2 71.36
C=1970
F=0
Exc=1687.2
Emb=0
34+50

97.2 71.97
C=1669
F=0
Exc=1370.2
Emb=0
34+25

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

4342.27
76 Sheet 9

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.H 76	1935	28	35

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

DATE	BY
12-33	H.F.C.
1-8-35	O.H.W.
6-35	H.A.
6-35	H.A.

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

DATE	BY

63.2 62.11

C=105
F=0

38+50

Exc=262.1
Emb=20.4

66.4 62.96

C=148
F=22

38+00

Exc=270.4
Emb=163.9

65.4 64.13

C=145
F=155

37+50

Exc=97.7
Emb=156.5

64.0 64.73

C=66
F=183

37+25

Exc=139.8
Emb=100.9

65.9 65.33

C=85
F=35

37+00

Exc=606.3
Emb=32.4

76.1 66.54

C=570
F=0

36+50

Exc=1488.0
Emb=0

583.9 67.75

C=1037
F=0

36+00

Exc=2524.1
Emb=0

122 63.27

C=0
F=714

41+00

Exc=0
Emb=1544.5

113 62.30

C=0
F=854

40+50

Exc=0
Emb=1700.0

48.9 61.72

C=0
F=982

40+00

Exc=0
Emb=1825.9

42.3 61.50

C=0
F=990

39+50

Exc=0
Emb=988.6

82.3 61.53

C=0
F=790

39+20

Exc=0
Emb=585.0

61.4 61.67

C=0
F=425

38+91

Exc=0
Emb=431.9

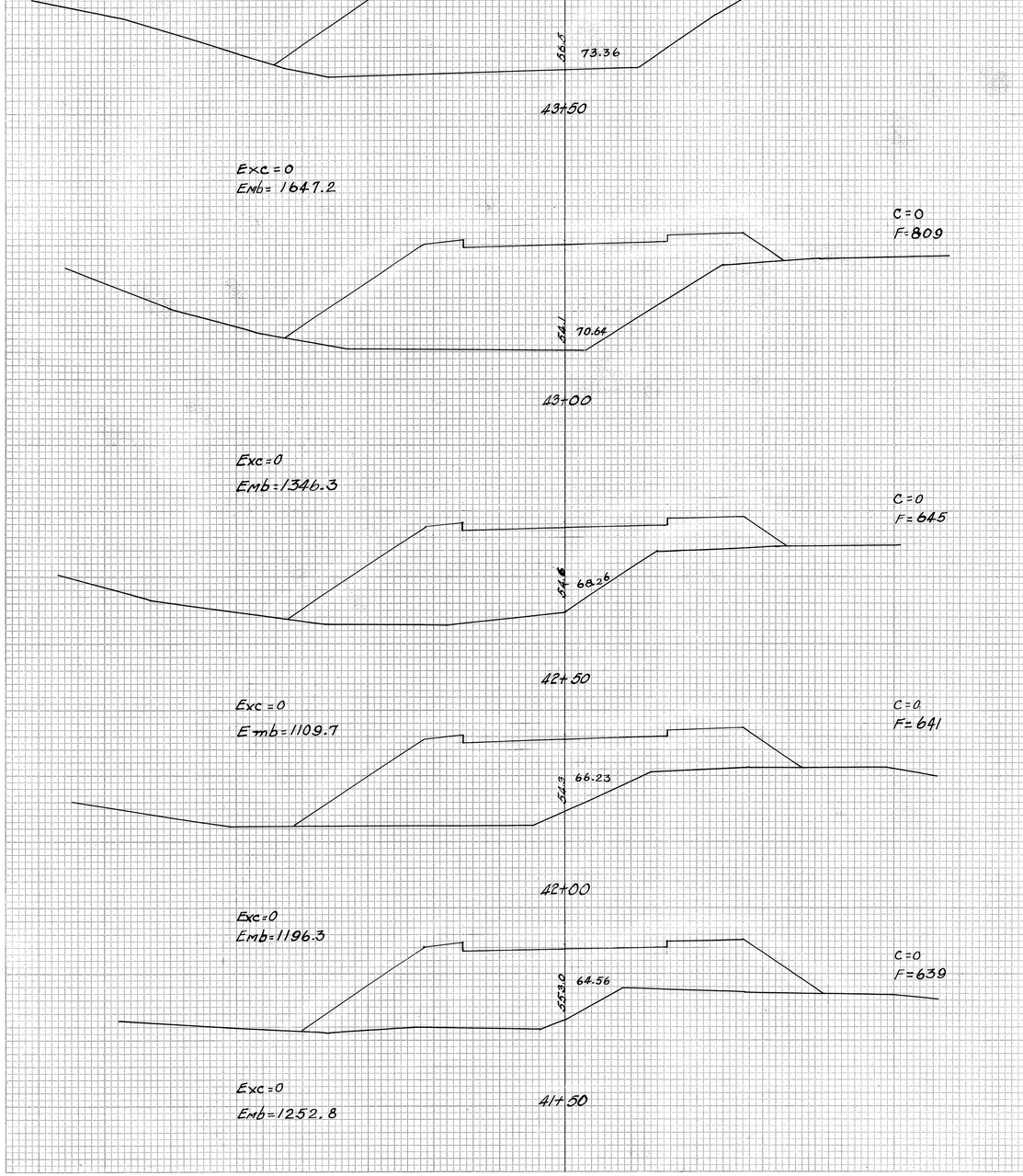
PLATE 8—CROSS SECTION. O. P. R. & R. S. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

4342.28
TG Sheet 10

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.PH.76	1935	29	35

DATE	BY	FINAL SURVEY
12-33	H.F.C.	SURVEYED
12-34	O.H.W.	PLOTTED
6-35	R.B.	TEMPLATE
6-35	A.B.	NOTE BOOK
		NO.
		AREAS CHECKED

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



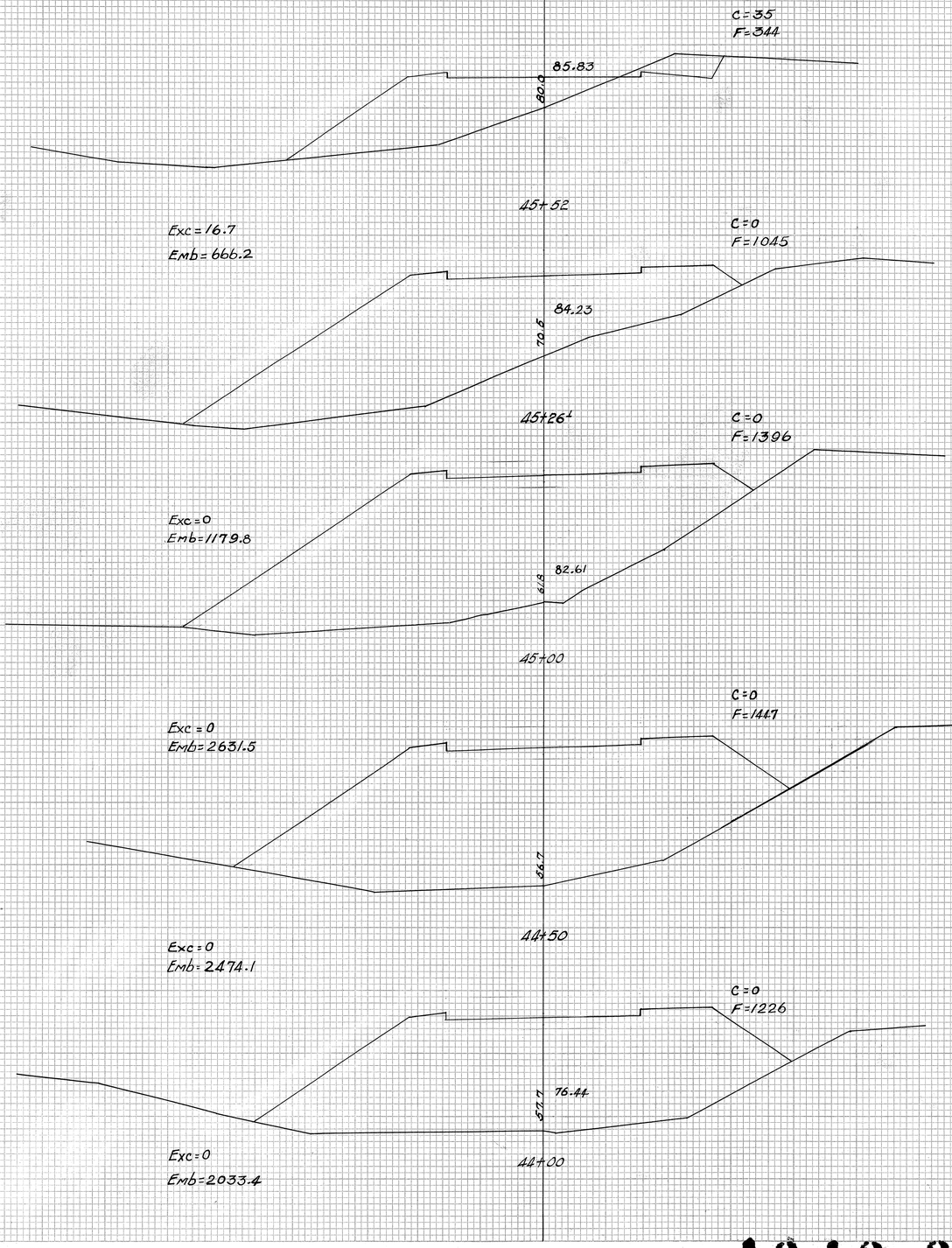


PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

4342.29
76 Sheet 11

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.PH 76	1935	30	35

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

H.E.G. 12-33
O.H.W. 4-35
A.B. 6-35
8-36

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

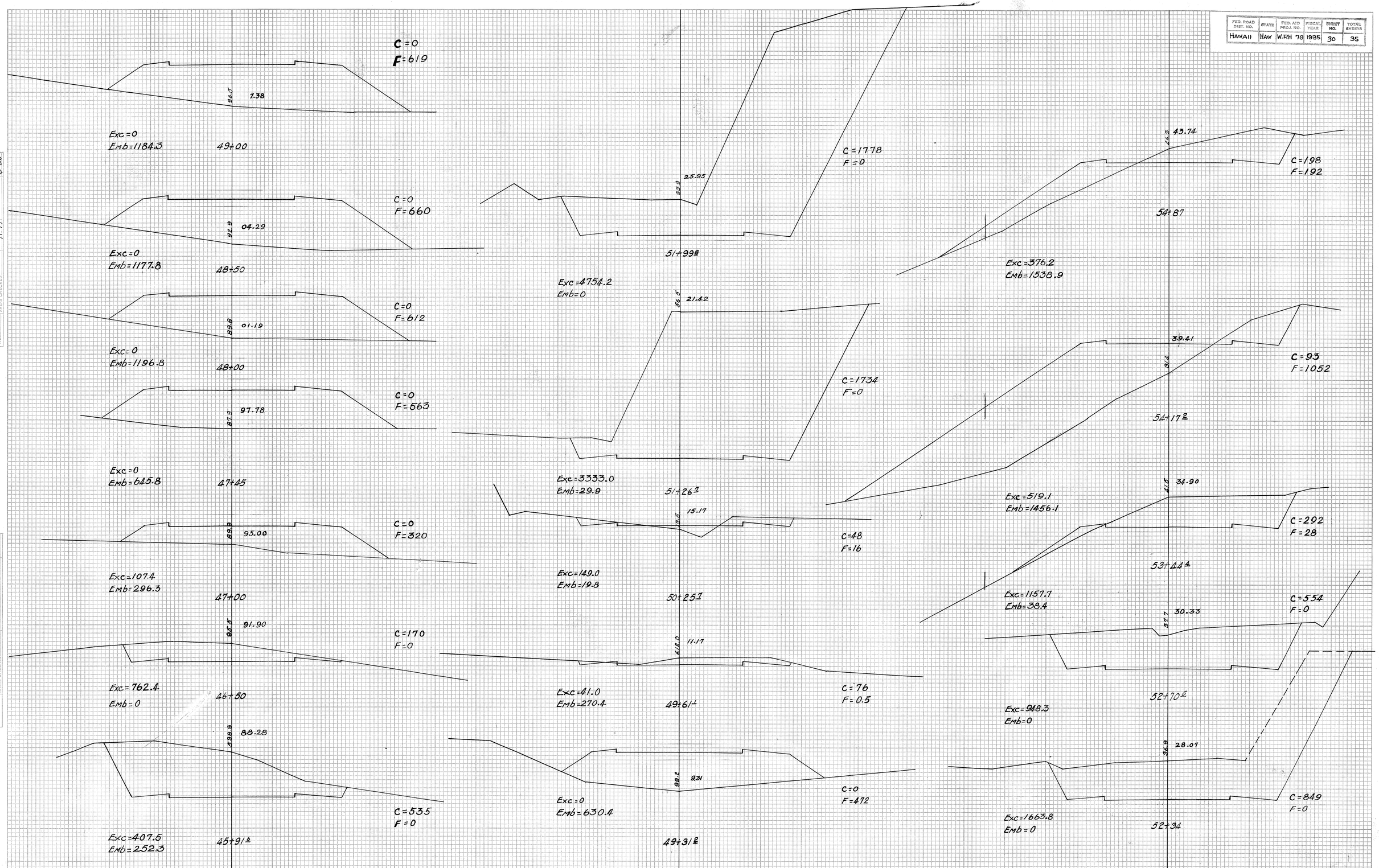


PLATE 1—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

43462 Sheet 30

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.PH-76	1935	31	35

FINAL SURVEY — SURVEYED. LOTTED. PLOTTED. NOTE BOOK AREAS. NO. AREAS CHECKED. — DATE 12-33 4-34 — BY H.E.S. H.A.W. W.C.C.

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

56.93
C=878
F=0
Exc=1614.8
Emb=0
57+00

53.83
C=866
F=0
Exc=1923.1
Emb=0
56+50

80.73
C=1211
F=0
Exc=1152.8
Emb=0
56+00

49.19
C=1280
F=0
Exc=1274.5
Emb=0
55+75

46.81
C=503
F=0
Exc=643.8
Emb=176.4
55+36.6

680.97
C=181
F=0
61+00

Exc=909.3
Emb=0
75.51
C=310
F=0
60+00

Exc=290.8
Emb=0
74.06
C=364
F=0
59+76.2

Exc=1156.2
Emb=0
69.31
C=450
F=0
59+00

Exc=2064.9
Emb=0
63.12
C=659
F=0
58+00

Exc=1255.5
Emb=0
60.02
C=697
F=0
57+50

Exc=1438.0
Emb=0

87.05
C=64
F=0
66+00

Exc=155.6
Emb=7.4
88.17
C=20
F=4
65+00

Exc=42.6
Emb=22.2
88.58
C=3
F=8
64+00

Exc=39.8
Emb=13.0
88.22
C=40
F=6
63+50

Exc=305.6
Emb=11.1
86.42
C=125
F=0
62+50

Exc=257.4
Emb=0
84.96
C=153
F=0
62+00

Exc=618.5
Emb=0

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

4342 Sheet 31

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.H 76	1935	32	35

DATE 12-33 4-34
BY H.F.G. O.H.W.
FINAL SURVEY
SURVEYED
PLOTTED
TRACED
NOTE BOOK
NO.
AREAS
AREAS CHECKED

Exc = 970.4
Emb = 0

80+28
84.2
80.28
C=235
F=0

72+00
84.4
81.41
C=289
F=0

Exc = 320.6
Emb = 0

71+00
83.7
81.74
C=308
F=0

Exc = 863.9
Emb = 0

P.T. 70+71
83.3
82.54
C=349
F=0

Exc = 1238.9
Emb = 0

70+00
82.7
83.66
C=320
F=0

Exc = 1111.1
Emb = 0

69+00
82.1
84.79
C=280
F=0

Exc = 951.9
Emb = 0

68+00
81.3
85.92
C=234
F=0

Exc = 544.4
Emb = 0

67+00

77.80
C=0
F=227

Exc = 0
Emb = 775.9

79+00
77.80
C=0
F=192

Exc = 0
Emb = 672.2

78+00
77.80
C=0
F=171

Exc = 0
Emb = 529.6

77+00
77.81
C=0
F=115

Exc = 0
Emb = 213.0

76+00
78.00
C=0
F=36

Exc = 40.7
Emb = 74.1

75+00
78.49
C=22
F=4

Exc = 270.4
Emb = 7.4

74+00
79.25
C=124
F=0

Exc = 644.8
Emb = 0

73+00

77.80
C=0
F=231

Exc = 0
Emb = 829.6

85+00
77.80
C=0
F=217

Exc = 0
Emb = 816.7

84+00
77.80
C=0
F=224

Exc = 0
Emb = 816.7

83+00
77.80
C=0
F=223

Exc = 0
Emb = 848.2

82+00
77.80
C=0
F=235

Exc = 0
Emb = 831.5

81+00
77.80
C=0
F=214

Exc = 0
Emb = 816.7

80+00

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

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

4342.32 76 Sheet 14

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	W.P.H. 76	1935	33	35

DATE 12-33 4-34 BY F.F.W.

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

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

Exc=535.2
Emb=0
C=322
F=0
816 16.05
91+50

Exc=648.2
Emb=0
C=256
F=0
810 76.68
91+00

Exc=171.1
Emb=101.9
C=94
F=0
782 77.52
90+00

Exc=0
Emb=363.0
C=0
F=65
768 77.80
89+00

Exc=0
Emb=625.9
C=0
F=141
782 77.80
88+00

Exc=0
Emb=783.3
C=0
F=197
782 77.80
87+00

Exc=0
Emb=846.3
C=0
F=226
779 77.80
86+00

641 64.34
C=0
F=66
96+00

Exc=129.6
Emb=150.0
663.0 67.70
C=70
F=15
95+00

Exc=575.9
Emb=27.8
751 70.79
C=241
F=0
94+00

Exc=506.5
Emb=0
771.6 72.11
C=306
F=0
P.T. 93+50

Exc=627.8
Emb=0
793.7 73.30
C=372
F=0
93+00

Exc=714.8
Emb=0
811 74.36
C=400
F=0
92+50

Exc=717.6
Emb=0
817 75.27
C=375
F=0
92+00

Exc=645.3
Emb=0

817 40.77
C=71
F=2
103+00

Exc=131.5
Emb=55.6
683.2 44.14
C=0
F=28
102+00

Exc=0
Emb=316.7
668.9 47.51
C=0
F=143
101+00

Exc=0
Emb=542.6
672 50.87
C=0
F=150
100+00

Exc=0
Emb=614.8
701 54.24
C=0
F=182
99+00

Exc=0
Emb=655.6
724.0 57.60
C=0
F=172
98+00

Exc=0
Emb=542.0
685 60.97
C=0
F=120
97+00

Exc=0
Emb=222.2

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

4342.33 7G Sheet 15

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	W.PH 76	1995	34	35

FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE 12-33 4-32

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

20.3 19.54
C=42
F=4

110 + 00

Exc=133.3
Emb=25.9

22.4 21.89
C=30
F=10

109+00

Exc=113.0
Emb=42.6

25.0 24.52
C=31
F=13

Exc=122.2
Emb=35.2

108+00

27.9 27.46
C=35
F=6

Exc=174.1
Emb=27.8

107+00

31.6 30.08
C=58
F=9

Exc=301.9
Emb=16.7

106+00

34.3 34.04
C=105
F=0

Exc=338.9
Emb=3.7

105+00

39.1 37.41
C=78
F=2

Exc=275.9
Emb=153.7

104+00

03.8 04.14
C=6
F=17

117 + 00

Exc=48.2
Emb=59.3

06.2 06.34
C=20
F=15

116 + 00

Exc=85.2
Emb=44.4

09.5 08.54
C=26
F=9

115+00

Exc=88.9
Emb=40.7

10.7 10.74
C=22
F=13

Exc=81.5
Emb=33.3

114+00

13.0 12.94
C=22
F=5

Exc=87.0
Emb=16.7

113+00

15.2 15.14
C=25
F=4

Exc=111.1
Emb=18.5

112+00

18.0 17.34
C=35
F=6

Exc=142.6
Emb=18.5

111+00

01.9 01.32
C=23
F=10

EQUA { 118+28 - 7G = 103+75 - 7F

Exc=46.3
Emb=61.1

01.7 01.94
C=15
F=10

Exc=38.9
Emb=50.0

118+00

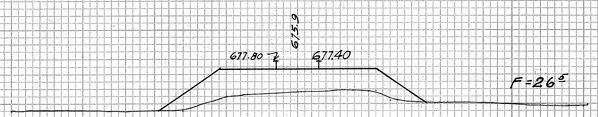
PLATE 1—CROSS SECTION C. P. R. & R. E. STANDARD
ACUFFEL & ESSER CO. NEW YORK.

4342.34 7G Sheet 16

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TO SHEETS
HAWAII	HAW	W.FH.76	1935	35	35

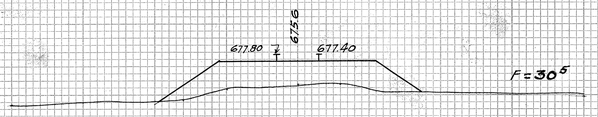
FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — NOTE BOOK — NO. — BY — DATE

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



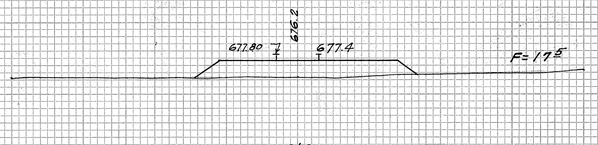
2+00

Emb=105.6



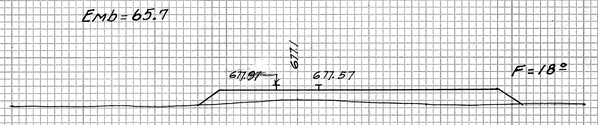
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Emb=88.9



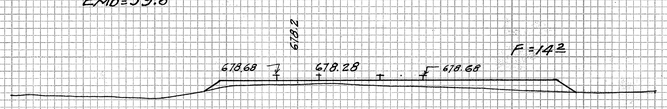
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Emb=65.7



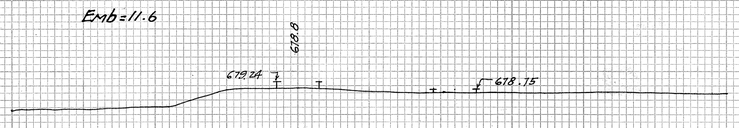
-1+00

Emb=59.6

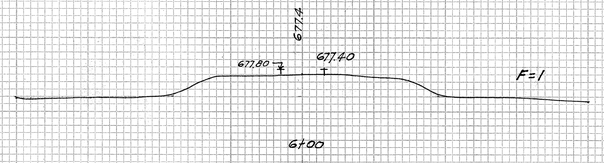


-2+00

Emb=11.6

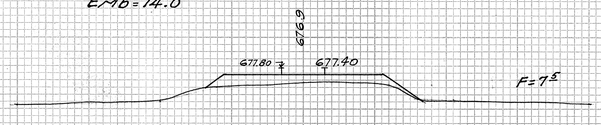


-2+50



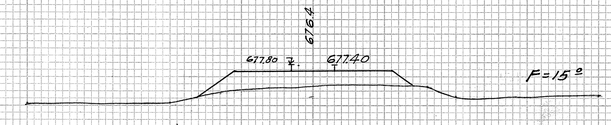
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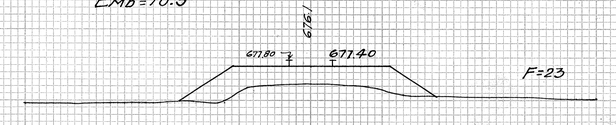
5+00

Emb=41.6



4+00

Emb=70.3



Emb=91.6

3+00

CROSS SECTIONS OF O.R. & L TRACK STA. 75+35 54

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