FED. ROAD DIST. NO.	STATE	F.A. NO. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	25	46

14.46 / 13.22
Exc. 209.3
EMB. 0
4+00
C= 121
F= 0

13.59 / 12.23
Exc. = 183.3
EMB = 0
3+50
C= 105
F= 0

12.33 / 11.11
Exc. = 183.3
EMB = 0
3+00
C= 98
F= 0

10.89 / 09.87
Exc. = 163.9
EMB. = 0
2+50
C= 105
F= 0

09.16 / 08.59
Exc. = 140.7
EMB = 0
2+00
C= 72
F= 0

07.49 / 07.01
Exc = 128.7
EMB = 0.9
1+50
C= 80
F= 0

05.76 / 05.39
Exc. = 96.3
EMB ~~2.9~~ 2.8
1+00
C= 59
F= 1

03.78 / 03.65
Exc. 78.7 cu.yds
EMB. ~~3.7~~ " "
0+50
C= 45 #
F= 2 #

04.47 / 401.78
Exc. =
EMB =
0+00
C= 40 #
F= 2 #

19.67 / 18.54
Exc. = 251.8
EMB. = 0
9+00
C= 90
F= 0

18.99 / 18.11
Exc. = 192.6
EMB = 0
8+50
C= 82
F= 0

18.91 / 17.68
Exc. = 203.7
EMB. = 0
8+00
C= 126
F= 0

18.29 / 17.25
Exc. = 205.6
EMB. = 0
7+50
C= 94
F= 0

16.85 / 16.81
Exc. = 236.1
EMB. = 0
7+00
C= 128
F= 0

18.11 / 16.38
Exc. = 247.2
EMB. = 0
6+50
C= 127
F= 0

18.24 / 15.95
Exc. = 236.1
EMB. = 0
6+00
C= 140
F= 0

16.66 / 15.35
Exc. = 247.2
EMB. = 0
5+50
C= 115
F= 0

16.04 / 14.83
Exc. = 240.7
EMB = 0
5+00
C= 152
F= 0

15.18 / 14.09
Exc. = 212.0
EMB. = 0
4+50
C= 108
F= 0

25.24 / 22.43
Exc. = 204.1
EMB. = 0
13+50
C= 195
F= 0

24.51 / 22.17
Exc. = 117.3
EMB. = 0
P.C. 13+19.8
C= 170
F= 0

24.11 / 22.0
EMB
Exc. = 250.9
EMB. = 0
13+00
C= 150
F= 0

22.93 / 21.57
Exc. = 224.1
EMB. = 0
12+50
C= 121
F= 0

22.63 / 21.14
Exc. = 204.6
EMB. = 0
12+00
C= 121
F= 0

22.13 / 20.70
Exc. = 204.6
EMB. = 0
11+50
C= 100
F= 0

21.5 / 20.27
Exc. = 222.2
EMB. = 0
11+00
C= 121
F= 0

21.51 / 19.84
Exc. = 207.4
EMB. = 0
10+50
C= 119
F= 0

20.57 / 19.41
Exc. = 203.7
EMB. = 0
10+00
C= 105
F= 0

20.25 / 418.98
Exc. = 189.8
EMB. = 0
9+50
C= 115
F= 0

49.14 / 15.18
Exc. = 1754.6
EMB = 0
17+50
C= 1035
F= 0

31.73 / 17.32
Exc. = 1375.0
EMB = 0
17+00
C= 860
F= 0

30.57 / 19.09
Exc. = 1069.4
EMB = 0
16+50
C= 625
F= 0

29.12 / 20.53
Exc. = 878.7
EMB = 0
16+00
C= 630
F= 0

28.93 / 21.60
Exc. 707.4
EMB = 0
15+50
C= 719
F= 0

28.22 / 22.32
Exc = 592.6
EMB = 0
15+00
C= 345
F= 0

27.69 / 22.70
Exc = 495.4
EMB = 0
14+50
C= 295
F= 0

26.96 / 22.73
Exc. = 402.8
EMB = 0
14+00
C= 240
F= 0

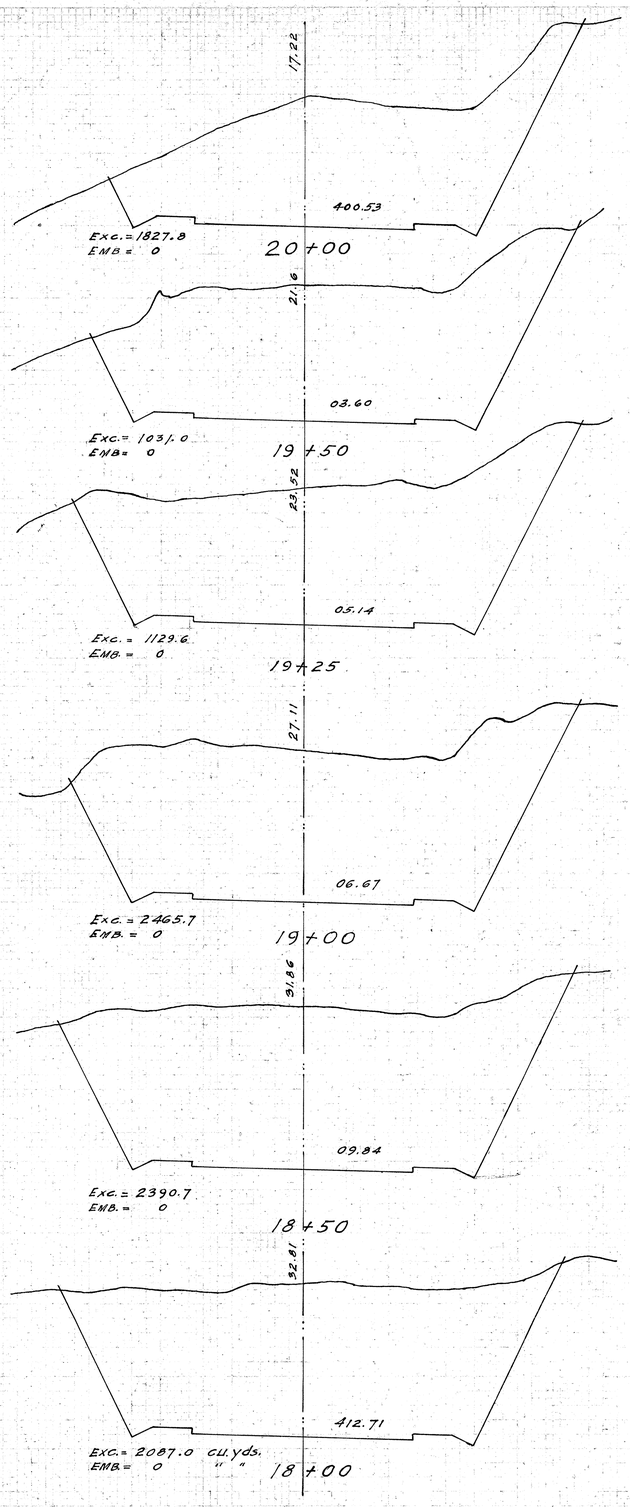
4276.25

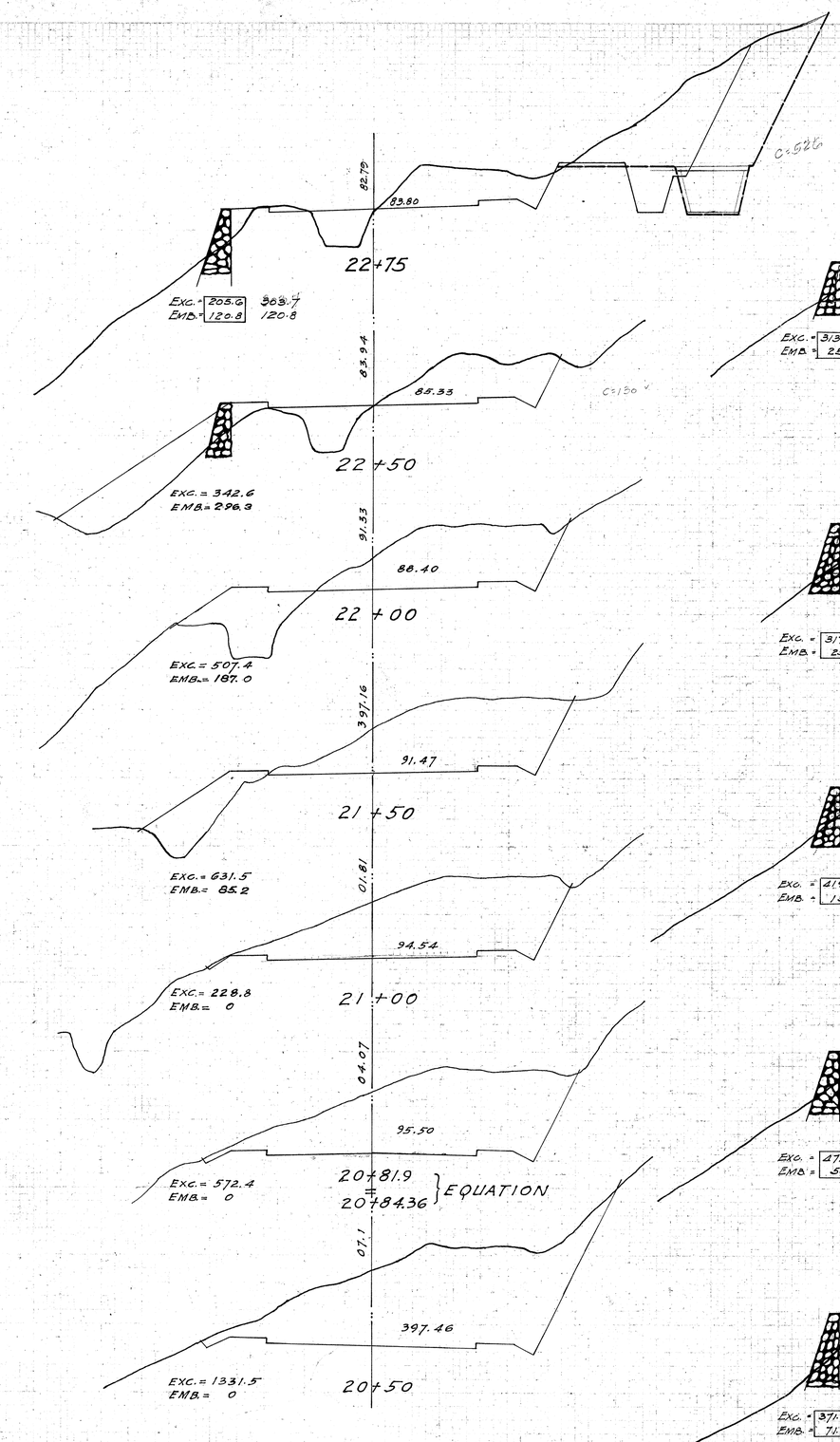
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	26	46

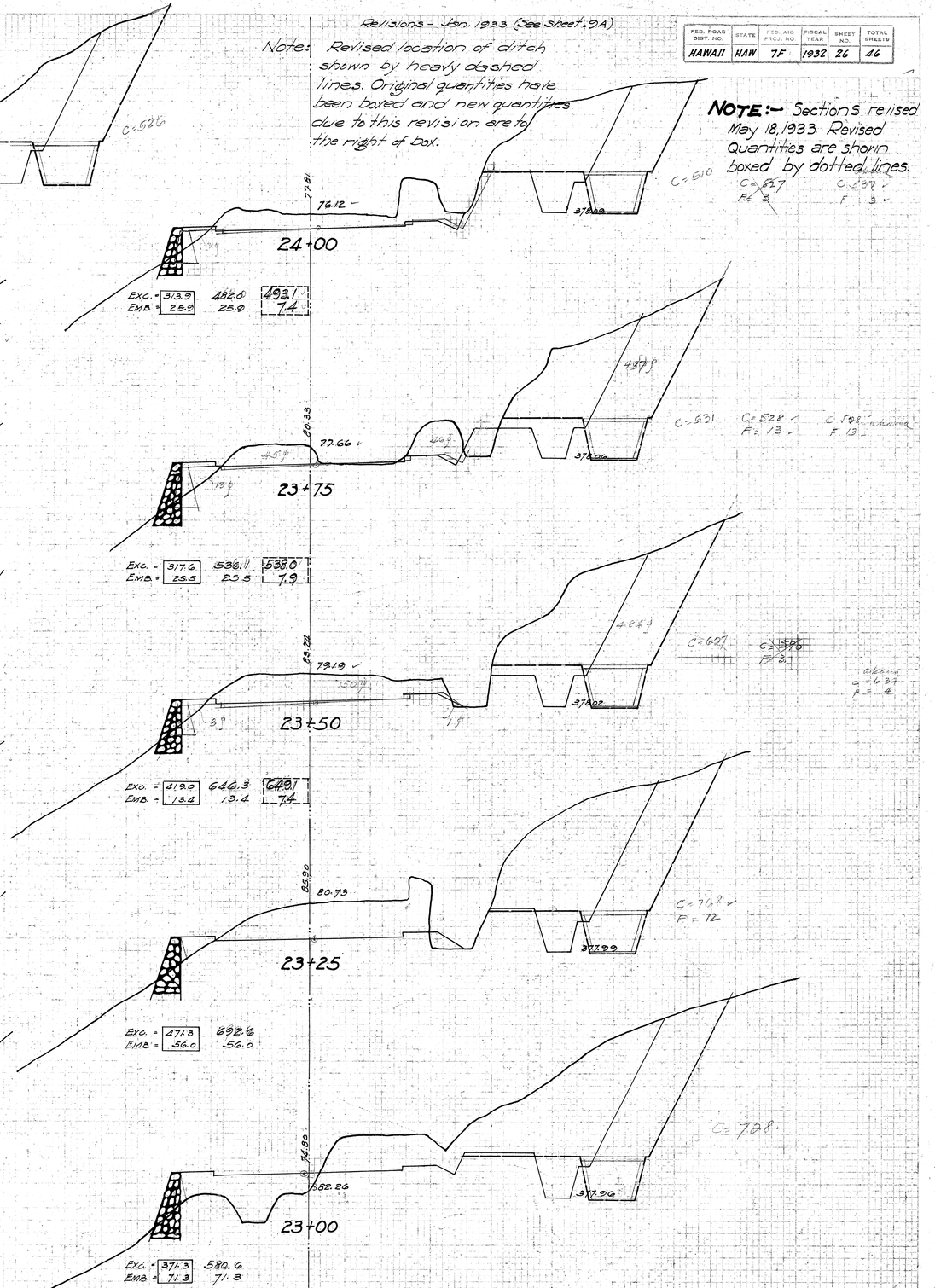
Revisions - Jan. 1933 (See Sheet 9A)

Note: Revised location of ditch shown by heavy dashed lines. Original quantities have been boxed and new quantities due to this revision are to the right of box.

NOTE:- Sections revised May 18, 1933. Revised Quantities are shown boxed by dotted lines.





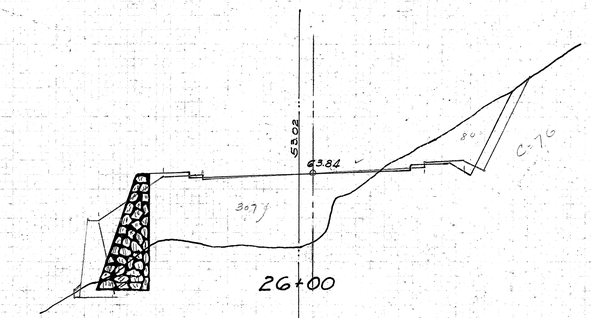


Revised Jan. 1933

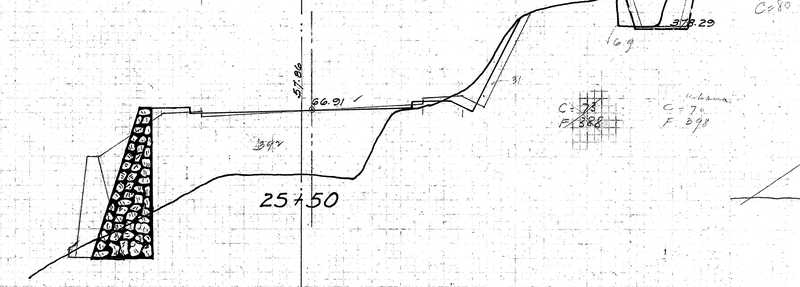
4276.26

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	27	46

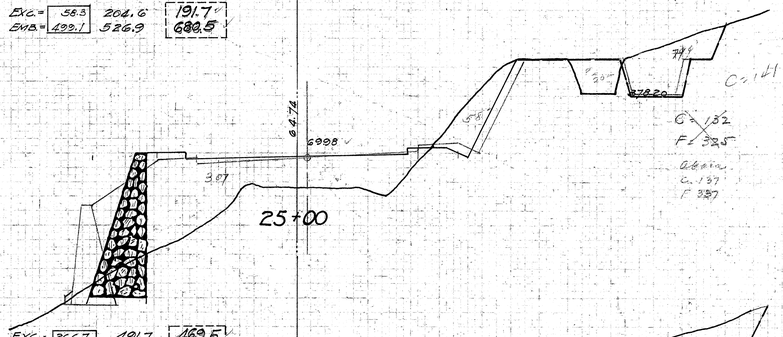
NOTE:- Quantities Revised May 18, 1933 are shown boxed by dotted lines.



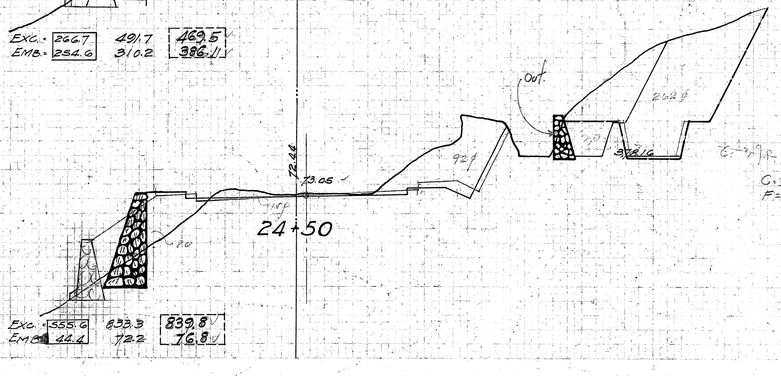
Exc. = 76.3 144.4 1408 ✓
Emb. = 513.9 513.9 660.9



Exc. = 58.3 204.6 191.7 ✓
Emb. = 433.1 526.9 680.5

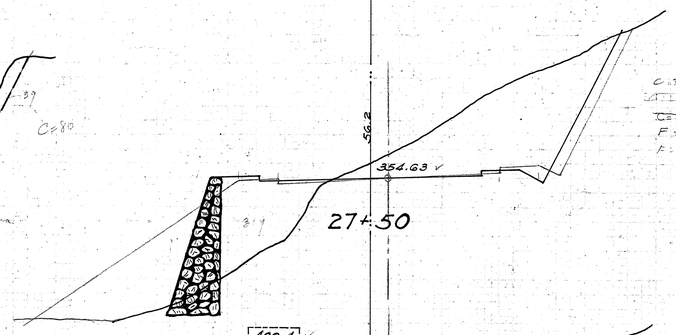


Exc. = 266.7 491.7 469.5
Emb. = 254.6 310.2 386.1 ✓

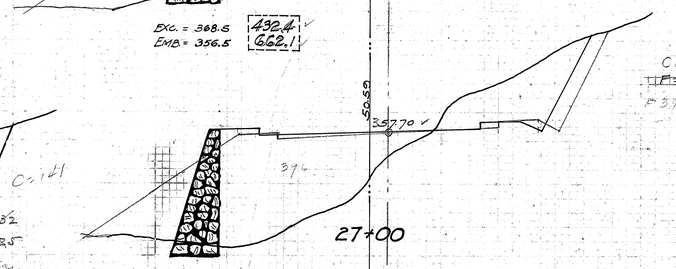


Exc. = 1335.6 833.3 839.8
Emb. = 44.4 72.2 76.8 ✓

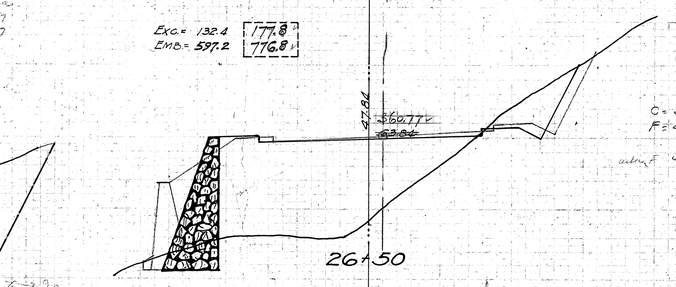
Note: Roadway Sections continue on next Sheet.



Exc. = 368.5 432.4 ✓
Emb. = 356.5 662.1



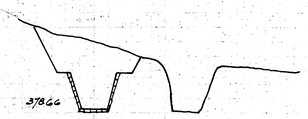
Exc. = 132.4 177.8
Emb. = 597.2 776.8 ✓



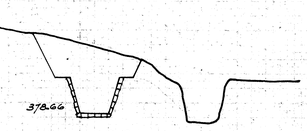
Exc. = 103.7 124.1
Emb. = 582.3 692.6



Exc. = 62.2
Emb. = 0.0

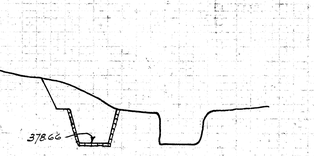


Exc. = 70.4
Emb. = 0.0

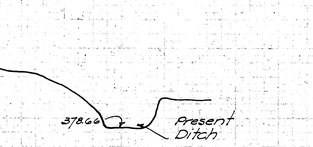


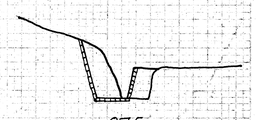
Exc. = 44.7
Emb. = 0.0

Note:
These Sections need revising. See Sheet No. 4276.9A
Jan. 1933



Exc. = 12.0
Emb. = 0.0





Exc. = 27.9
Emb. = 3.6

Relocation of Storm Ditch Opposite Sta 28±20 to 29±20

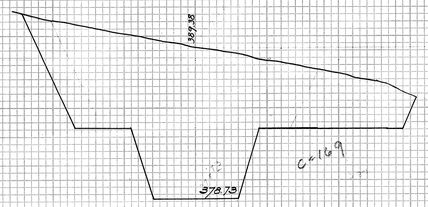
Revised Jan. 1933

4276.27

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7F	1932	27A	40

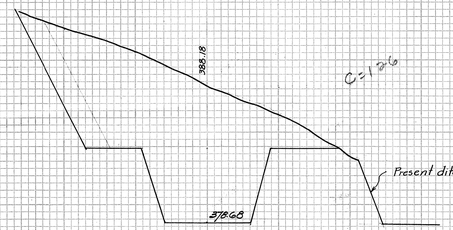
FINAL SURVEY — SURVEYED, PLOTTED, TRIANGULATE, NOTE BOOK, AREAS, NO., AREAS CHECKED, BY, DATE

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



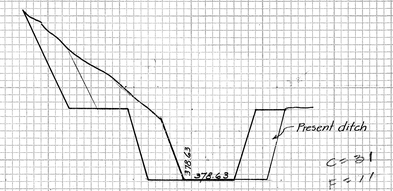
Exc.= 75.4 c.y.
Emb= 0.0 "

P.T. of 74



Exc.= 70.8 c.y.
Emb= 0.0 "

1+25

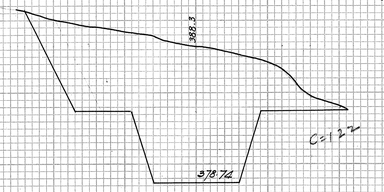


Exc.= 12.8 c.y.
Emb= 5.3 "

1+62.5

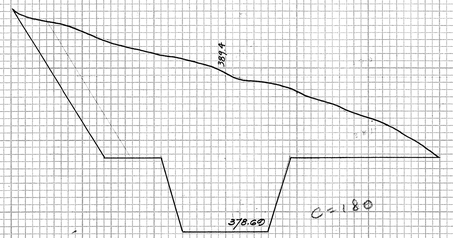
Total Exc.= 762.8 c.y.
Emb= 66.5 "

Total Exc.= 762.8 c.y.
Emb= 66.5 "



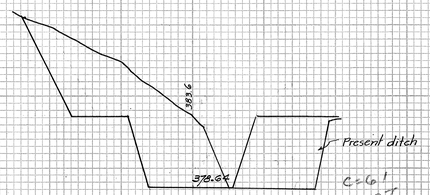
Exc.= 80.4 c.y.
Emb= 0.0 "

+60



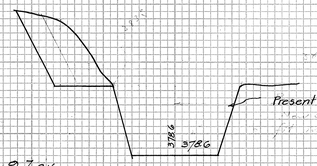
Exc.= 83.8 c.y.
Emb= 0.0 "

1+12.5



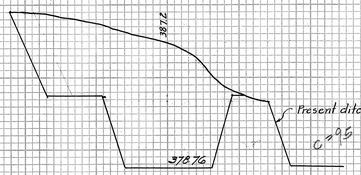
Exc.= 12.9 c.y.
Emb= 5.8 "

1+55



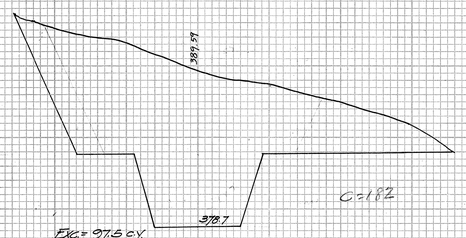
Exc.= 9.7 c.y.
Emb= 0.9 "

2+00



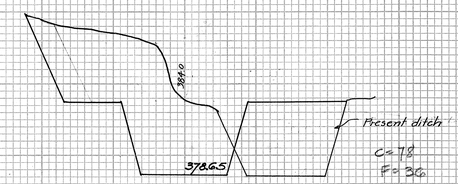
Exc.= 61.5 c.y.
Emb= 12.2 "

+40



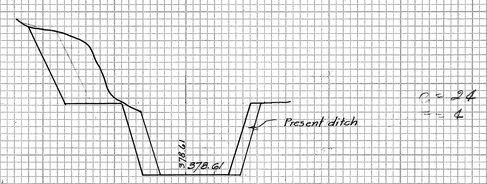
Exc.= 97.5 c.y.
Emb= 0.0 "

1+00



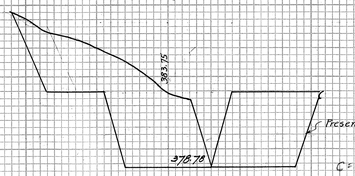
Exc.= 46.8 c.y.
Emb= 14.8 "

1+50



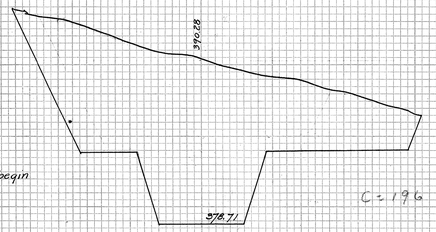
Exc.= 17.1 c.y.
Emb= 3.5 "

1+87.5



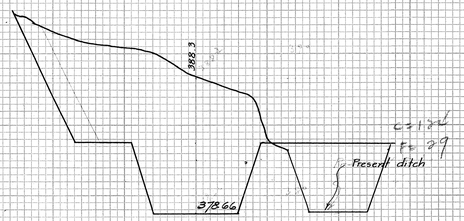
Exc.= 26.3 c.y.
Emb= 12.2 "

+20



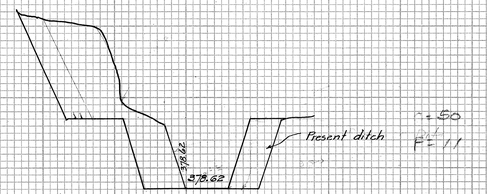
Exc.= 91.2 c.y.
Emb= 0.0 "

+87.5



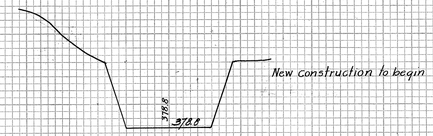
Exc.= 57.9 c.y.
Emb= 6.7 "

1+37.5



Exc.= 18.7 c.y.
Emb= 5.1 "

1+75



+00

℄ ℄ ℄ ℄ ℄

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

U-76-7A

FED. ROAD DIST. NO.	STATE	F.A. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	28	46

NOTE:- Quantities Revised May 18, 1933 are shown boxed by dotted lines.

EXC.= 668.5 728.7
EMB.= 333 0

55.76

970 f

343.89 ✓

C=892
F=0

EXC.= 986.1 1041.7
EMB.= 0

29+25

61.18

1271 f

345.42 ✓

EXC.= 2055.6 2168.5
EMB.= 0 0

29+00

62.93

1271 f

348.49 ✓

EXC.= 1350.9 1509.3
EMB.= 16.7 21.3

28+50

38.6

559 f

351.56 ✓

C= 559
F= 43

237 f

EXC.= 719.4 880.4
EMB.= 123.1 316.7

28+00

36.21

303.5

F= 3072

30+50

37.75 ✓

EXC.= 0.0
EMB.= 2296.3

12.32

F= 1984

30+25

339.28 ✓

EXC.= 0.0 0
EMB.= 1507.9 1452.8

27.18

1150 f 1127

C= 0
F= 1269

30+00

40.74

340.82 ✓

172 f ✓

C= 156
F= 336

EXC.= 71.8 79.6
EMB.= 743.1 644.9 ✓

248 f 260

29+75

50.09

504 f ✓

342.35 ✓

C= 562
F= 772

EXC.= 327.3 354.6
EMB.= 188.9 112.5 ✓

29+50

333.14

286.54

F= 5472

31+00

EXC.= 0.0
EMB.= 4450.0

34.68

298.8

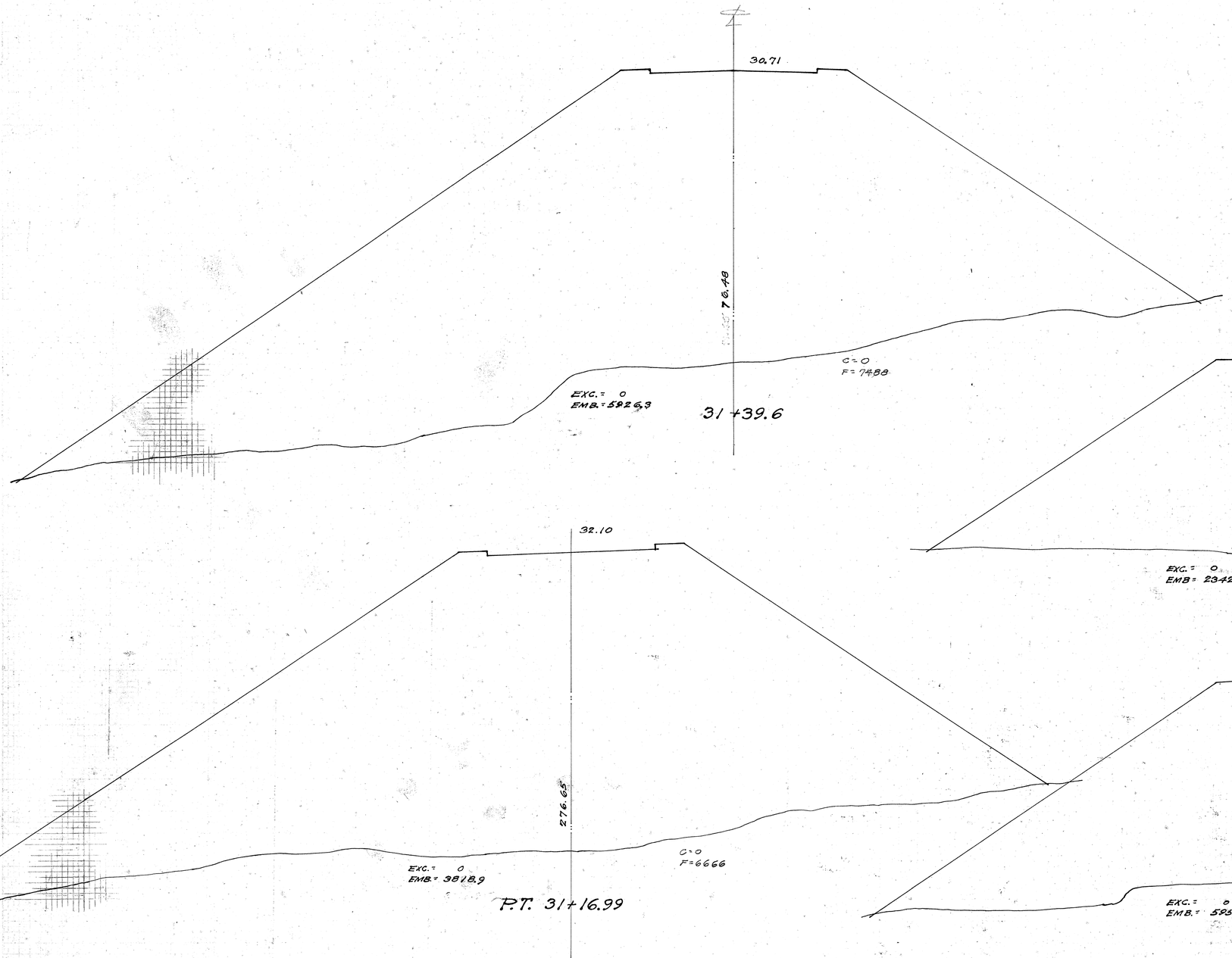
F= 4140

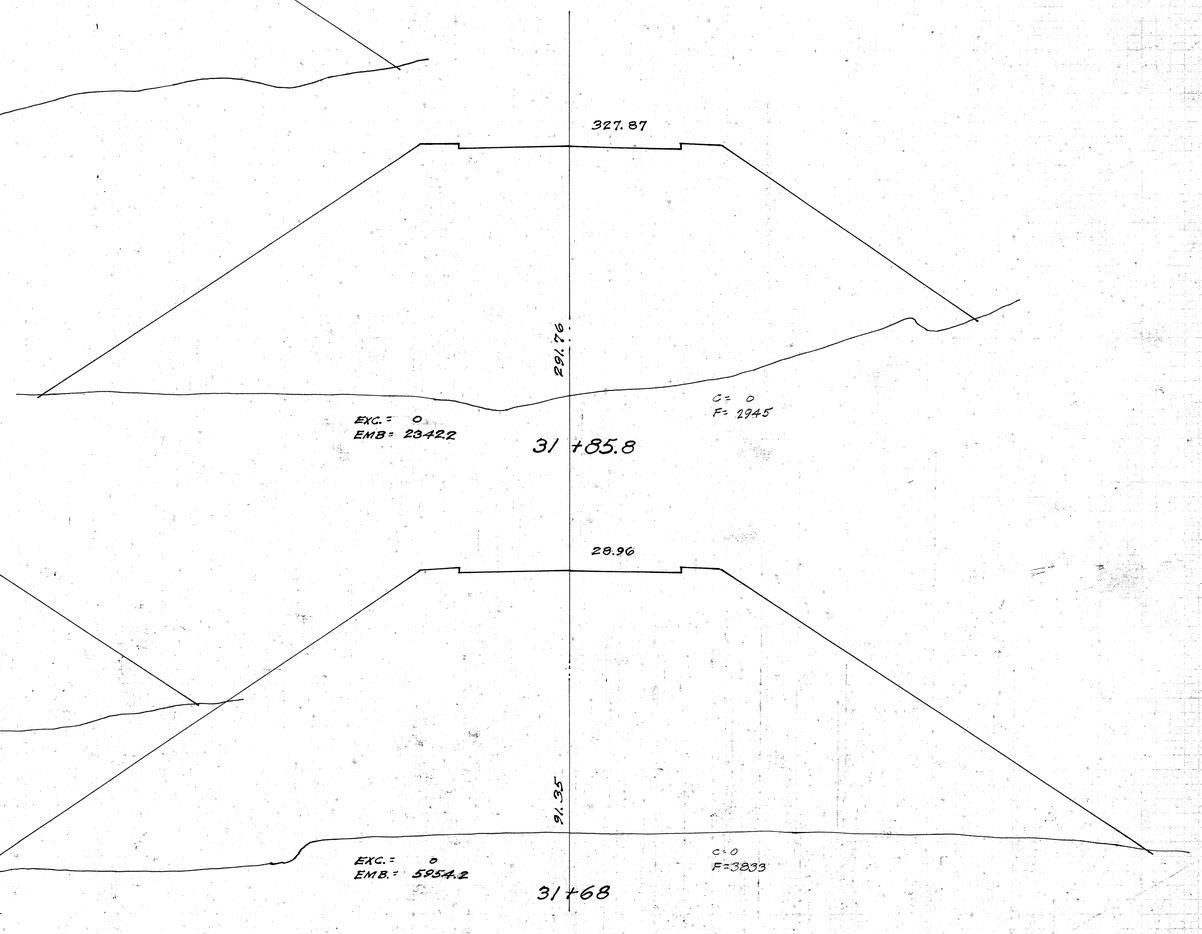
30+75

EXC.= 0.0
EMB.= 3338.9

4276.28

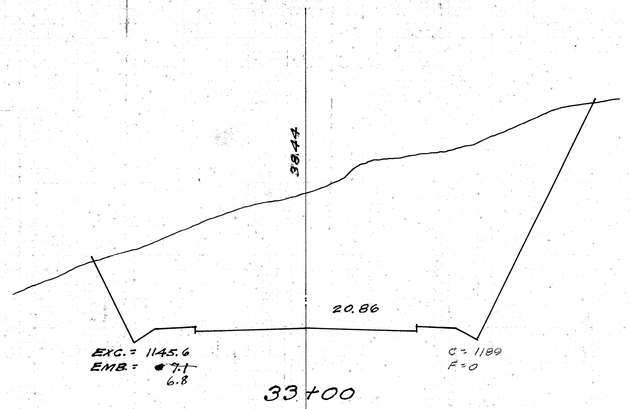
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	F	1932	29	46

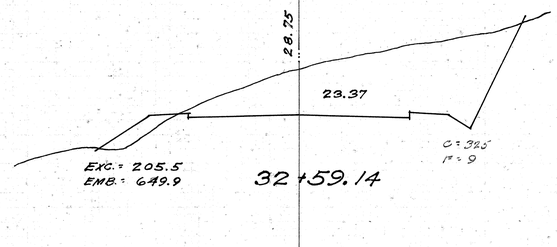


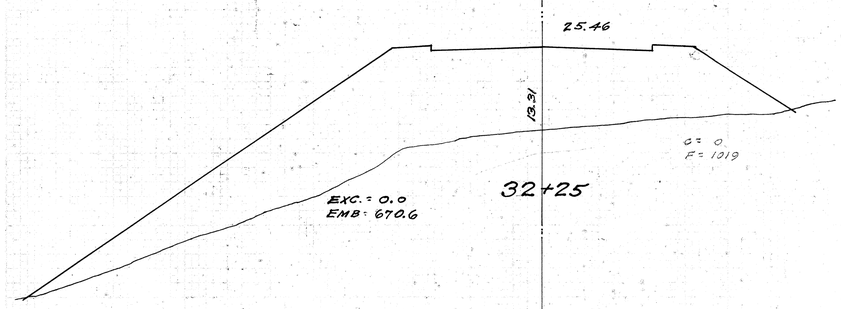


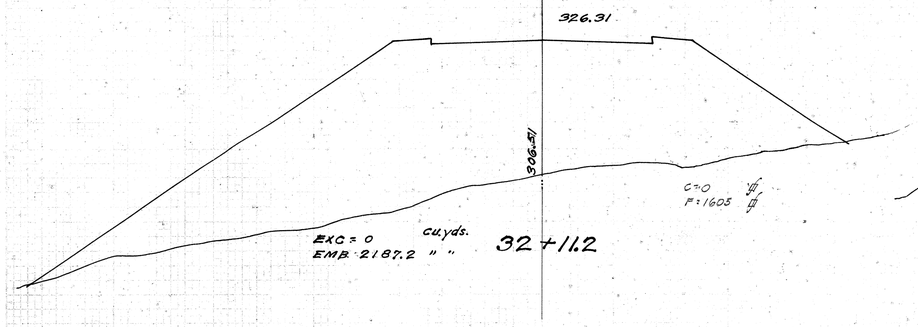
4276.29

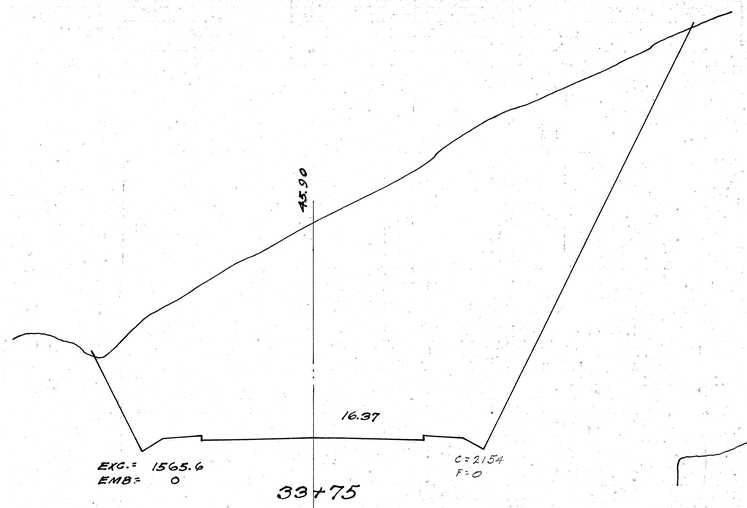
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	30	46

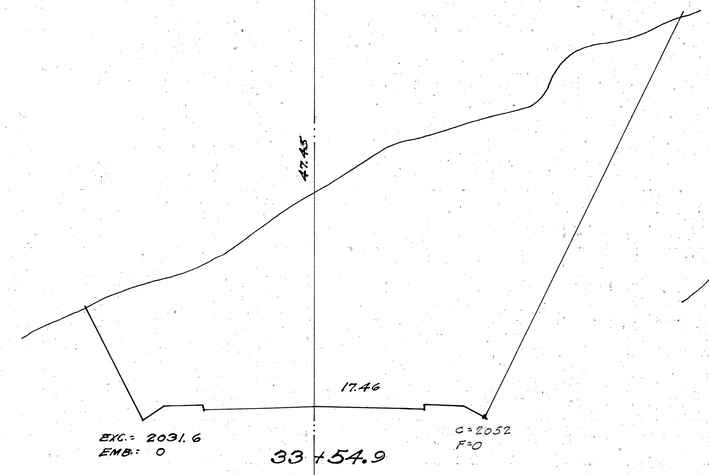


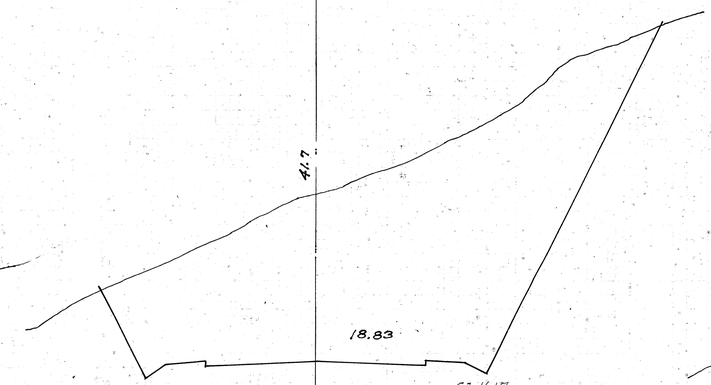


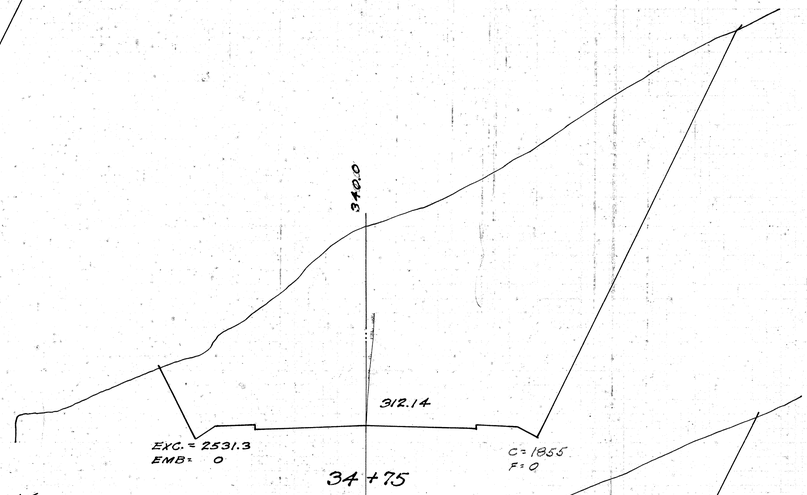


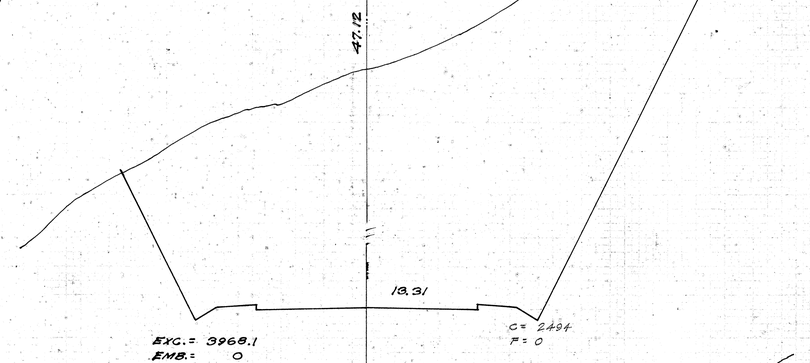


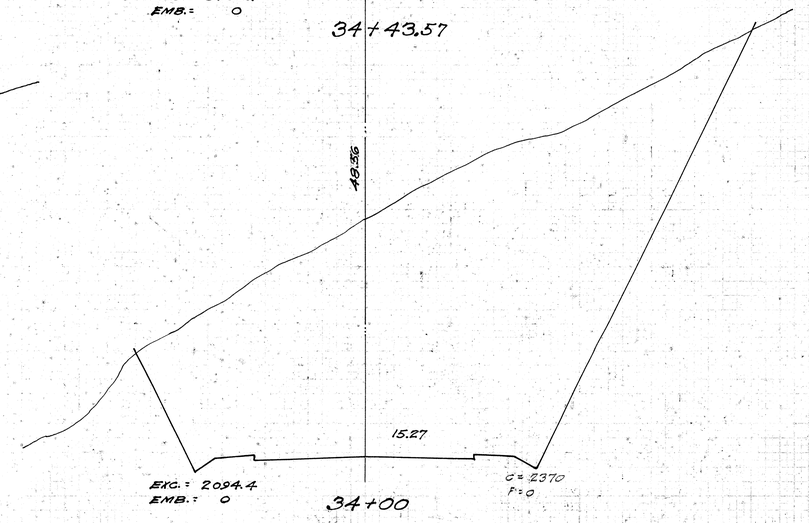






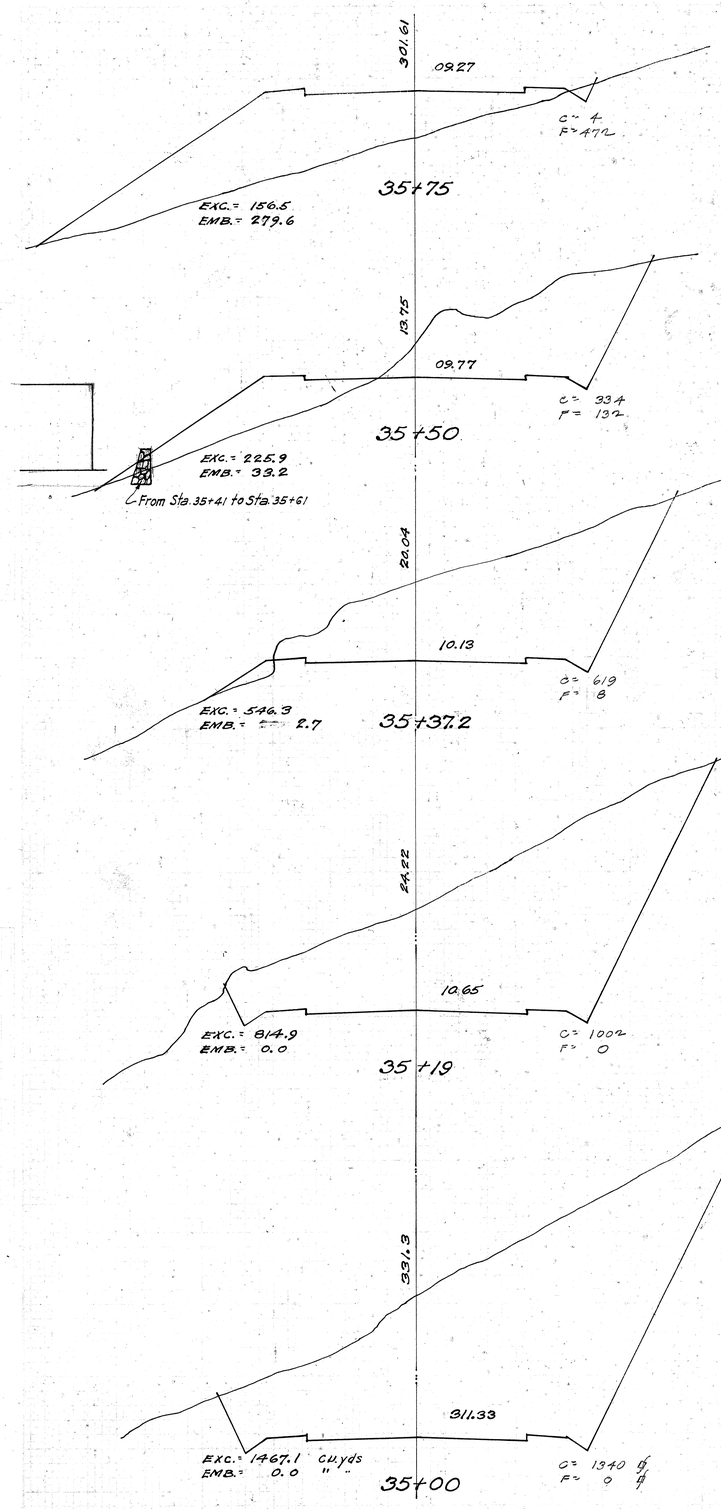


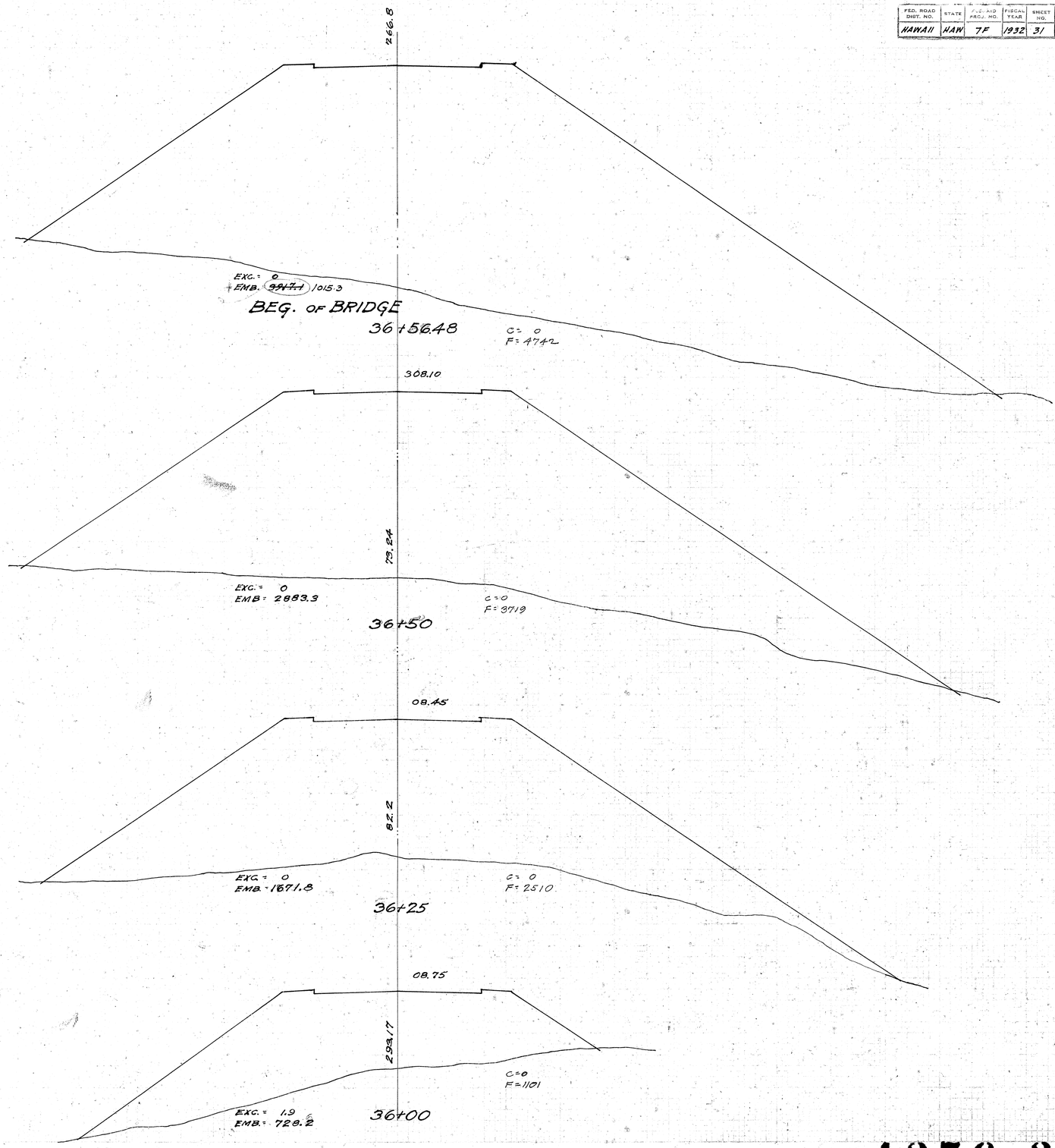




4276.30

FED. ROAD DIST. NO.	STATE	F.A.S. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	31	46

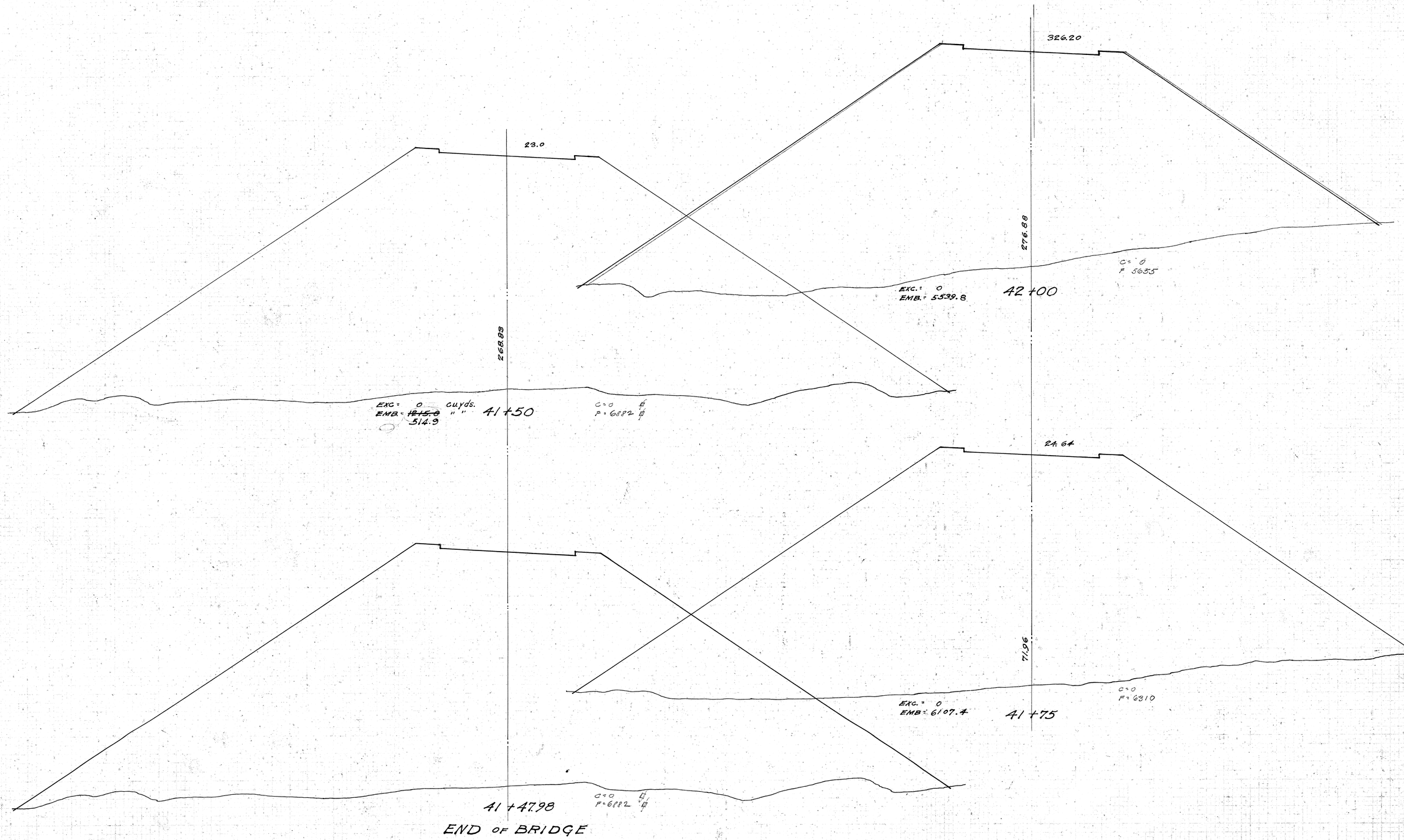




4276.31

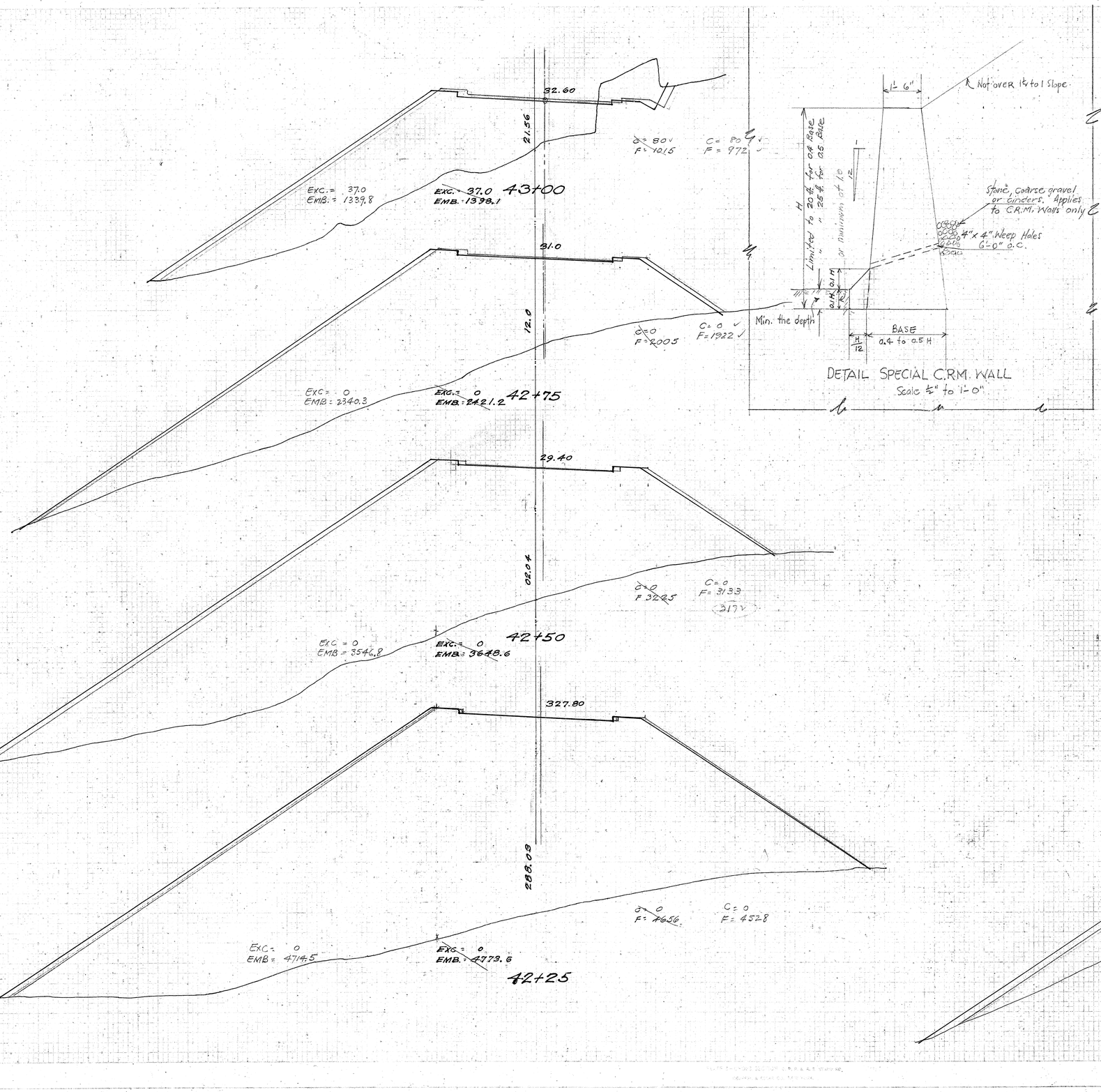
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	32	46

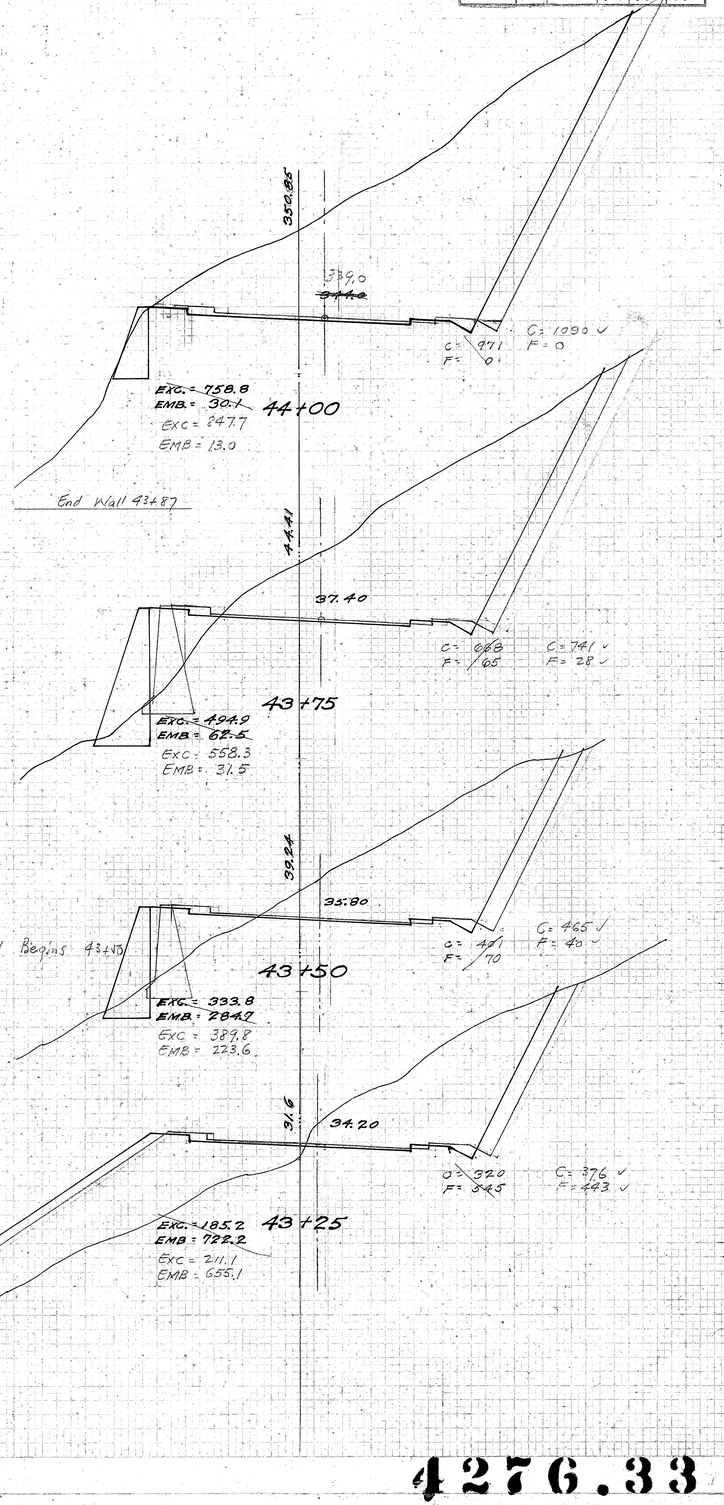
HAW 3(5)3



427.32

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	33	46





4276.33

FED. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	34	46

MK 4 3/15/43

63.92

45.28 ✓

P.T. 44+98.13

C= 1305 F= 0

C= 1544 F= 0

EXC.= 1066.9 1254.6
EMB.= 0 0

58.28

43.80 ✓

C= 1385 F= 0

C= 1186 F= 0

EXC.= 1017.6 1184.7 44+75
EMB.= ~~4.8~~ 4.6 0.5

34.57

End Wall 44+6Rv Ht 2.0

42.20 ✓

C= 1174 F= 1

C= 1012 F= 10

44+50

EXC.= 899.1 1029.6
EMB.= ~~8.3~~ 1.9 1.8

CRAM AVE

35.17

340.60 ✓

C= 990 F= 7

C= 1050 F= 3.0

44+25

Beg. Wall 44+1v Ht 2.0

EXC.= 880.1 EXC.= 990.8
EMB.= ~~8.4~~ 3.2 EMB.= 1.4

65.08

51.80 ✓

C= 1103 F= 0

C= 1311 F= 0

46+00

EXC.= 1096.3 1332.4
EMB.= 0.9 0

65.49

350.20 ✓

C= 1265 F= 0

C= 1567 F= 0

EXC.= 1164.3 1406.0 45+75
EMB.= 0 0

65.96

48.60 ✓

C= 1250 F= 0

C= 1470 F= 0

EXC.= 1212.5 1426.9 45+50
EMB.= 0 0

64.42

47.0 ✓

C= 1382 F= 0

C= 1612 F= 0

EXC.= 1237. 1570.4 45+25
EMB.= 0 0

357.0

359.80 ✓

C= 240 F= 192

C= 370 F= 89

47+25

EXC.= ~~223.6~~ 367.1
EMB.= ~~166.2~~ 80.1

55.4

58.20 ✓

C= 249 F= 167

C= 423 F= 84

47+00

EXC.= ~~192.3~~ 280.8
EMB.= 80.9 37.2

60.78

57.24

C= 442 F= 124

C= 588 F= 50

46+85

EXC.= ~~749.9~~ 998.8
EMB.= ~~163.1~~ 32.4

Wall Begins 46+6Rv Ht 6.0

64.10

355.0

C= 715 F= 22

C= 953 F= 0

46+50

EXC.= 781.0 1028.3
EMB.= 13.4 0

66.71

353.40 ✓

C= 972 F= 1

C= 1268 F= 0

46+25

EXC.= 960.6 1194.0
EMB.= 1.4 0

4276.34

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	32	46

Wall ends 48+37 Ht 8.0 ft

68.98

66.20 ✓

C = 433 F = 128 C = 687 F = 20

48+25

EXC. = 336.6 535.7
EMB. = 140.3 35.2

66.0

64.60 ✓

C = 294 F = 175 C = 470 F = 56

48+00

EXC. = 239.8 391.2
EMB. = 182.9 72.2

58.18

63.00 ✓

C = 225 F = 220 C = 375 F = 100

47+75

EXC. = 224.5 390.0
EMB = 282.4 99.5

357.60

361.08 ✓

C = 179 F = 195 C = 327 F = 79

47+45

EXC. = 155.2 cu yds. 258.1
EMB. = 143.3 " " 62.2

78.52

71.0 ✓

C = 625 F = 20 C = 910 F = 0

49+00

EXC. = 291/4 426.8
EMB. = 10.7 0.4

Wall ends 48+94 - Ht 2.0 ft.

76.01

70.23 ✓

C = 685 F = 25 C = 1008 F = 21

S&H CR W. Wall

P.C. 48+87.99

EXC. = 376.2 ~~499.2~~ 499.2
EMB. = 6.7 0.5

Wall begins 48+80 - Ht. 2.0 ft

77.57

69.40 ✓

C = 754 F = 3 C = 1066 F = 0

48+75

EXC. = 681.5 965.8
EMB. = 6.9 0

76.72

67.80 ✓

C = 718 F = 12 C = 1020 F = 0

48+50

EXC. = ~~532.9~~ 790.3
EMB. = ~~64.8~~ 9.3

395.1

377.40 ✓

EXC. = 1101.8 1362.5
EMB. = 10. 0

C = 1318 F = 0 C = 1766 F = 0

50+00

92.3

75.80 ✓

EXC. = 913.9 1210.7
EMB. = 0.9 0

C = 1062 F = 0 C = 1377 F = 0

49+75

86.35

74.20 ✓

EXC. = ~~782.9~~ 1072.2
EMB. = 7.4 0

C = 912 F = 2 C = 1238 F = 0

49+50

84.92

72.60 ✓

EXC. = ~~650.6~~ 920.4
EMB. = 17.1 0

C = 779 F = 14 C = 1078 F = 0

49+25

N&W

4 Key 8/25/33

ORIGINAL SURVEY | SURVEYED | PLOTTED | NOTE BOOK | TRIPLICATE | CHECKED | NO. | AREAS CHECKED

4276.35

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	36	46

13.6
88.80 ✓
C=1860 F=0
C=1554 F=0
EXC.= 1537.0 1769.0
EMB.= 10 0
51+00

22.39
88.60 ✓
C=2834 F=0
C=2652 F=0
EXC.= 2361.1 2551.9
EMB.= 10 0
51+75

427.84
393.40 ✓
C=2727 F=0
C=2655 F=0
EXC.= 2736.1 2844.9
EMB.= 10 0
52+50

23.52
C=2213 F=0
C=1962 F=0
82.20 ✓
EXC.= 1696.8 1947.2
EMB.= 10 0
50+75

20.12
87.00 ✓
C=2678 F=0
C=2450 F=0
EXC.= 2165.7 2400.9
EMB.= 10 0
51+50

27.7
391.80 ✓
C=3418 F=0
C=3255 F=0
EXC.= 2783.8 2912.0
EMB.= 10 0
52+25

403.36
80.60 ✓
C=1993 F=0
C=1765 F=0
EXC.= 1446.3 1712.1
EMB.= 10 0
50+50

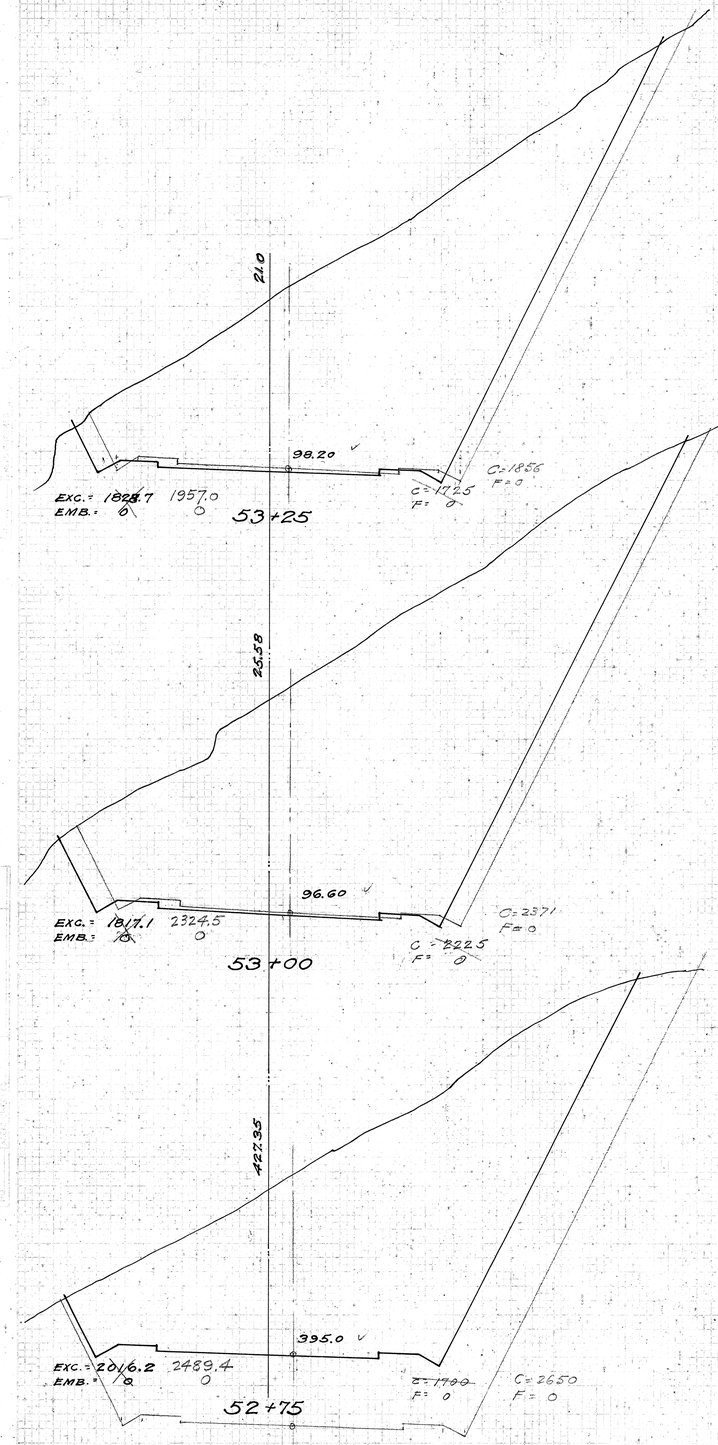
16.88
385.40 ✓
C=2508 F=0
C=2228 F=0
EXC.= 1661.1 1880.6
EMB.= 10 0
51+25

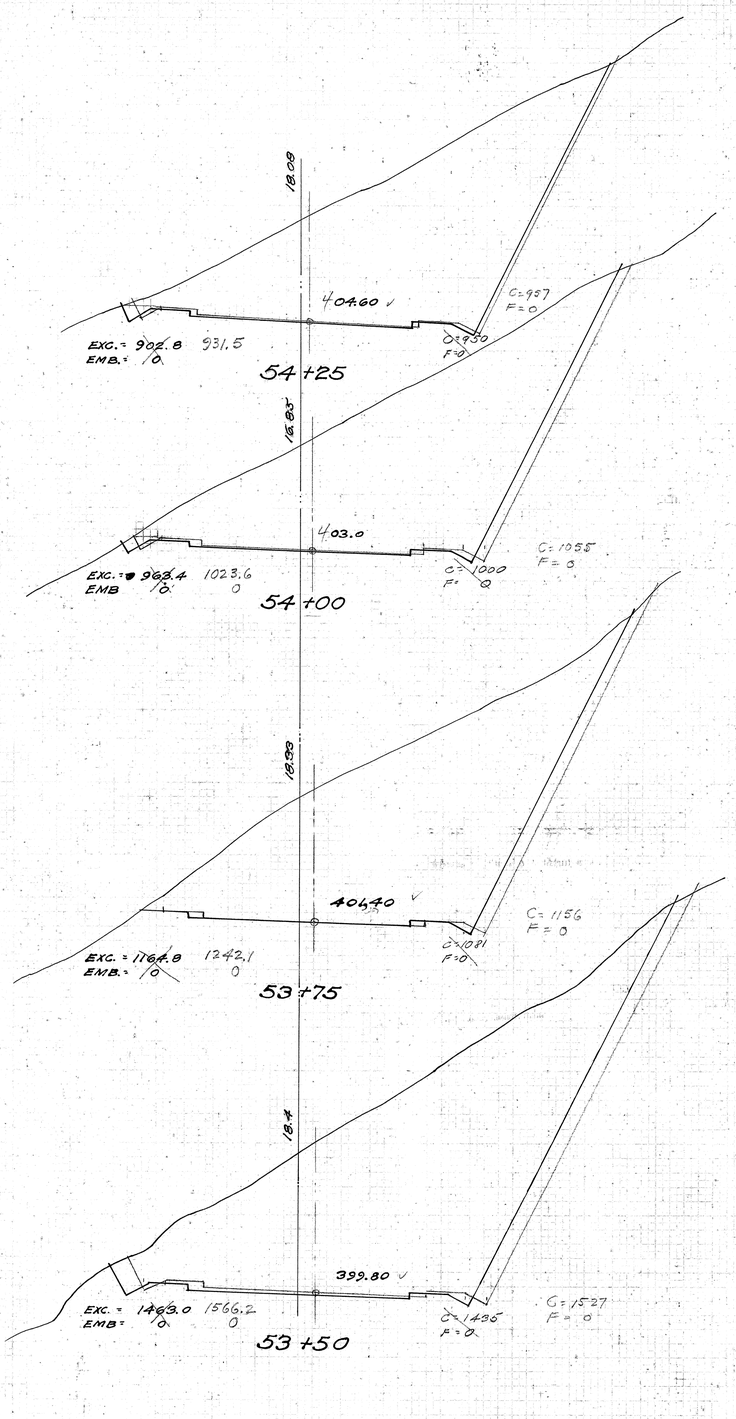
24.55
390.20 ✓
C=2872 F=0
C=2758 F=0
EXC.= 2503.7 2691.7
EMB.= 10 0
52+00

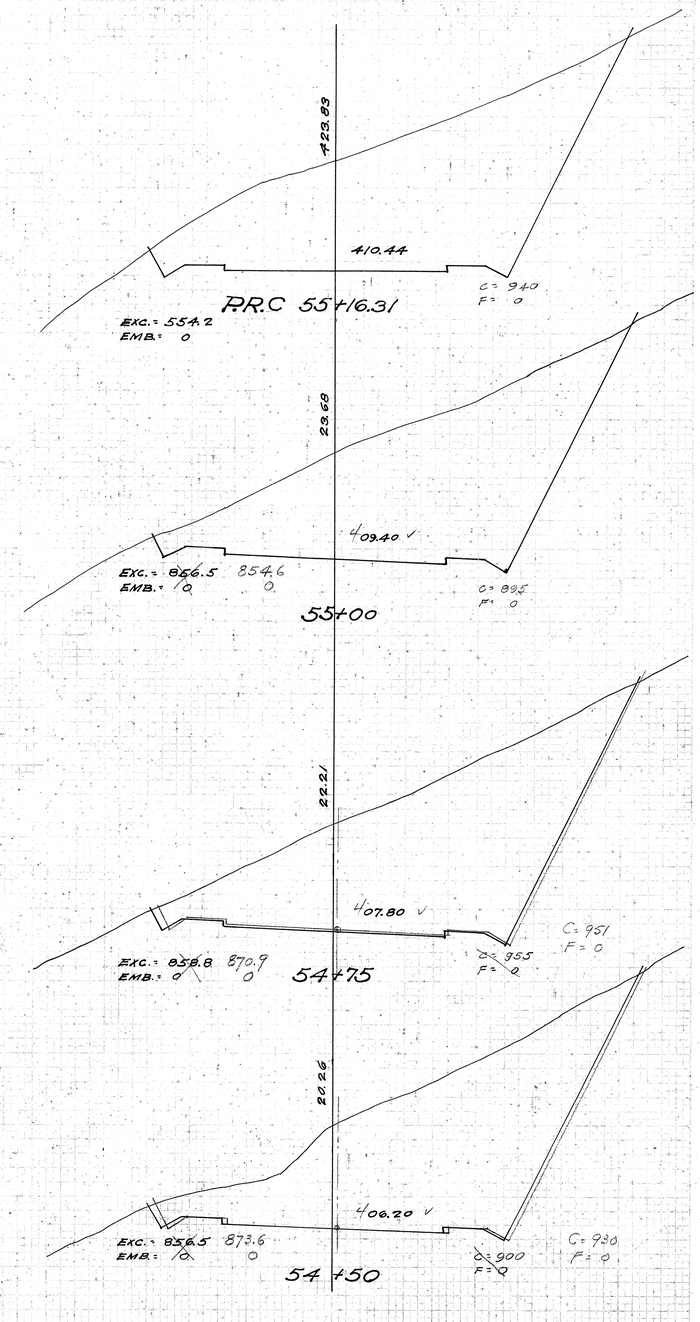
398.0
379.0 ✓
C=1705 F=0
C=1419 F=0
EXC.= 1267.1 cu.yds. 50+25
EMB.= 0 " "
Exc = 1514.4
EMB = 0

4276.36

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	37	46

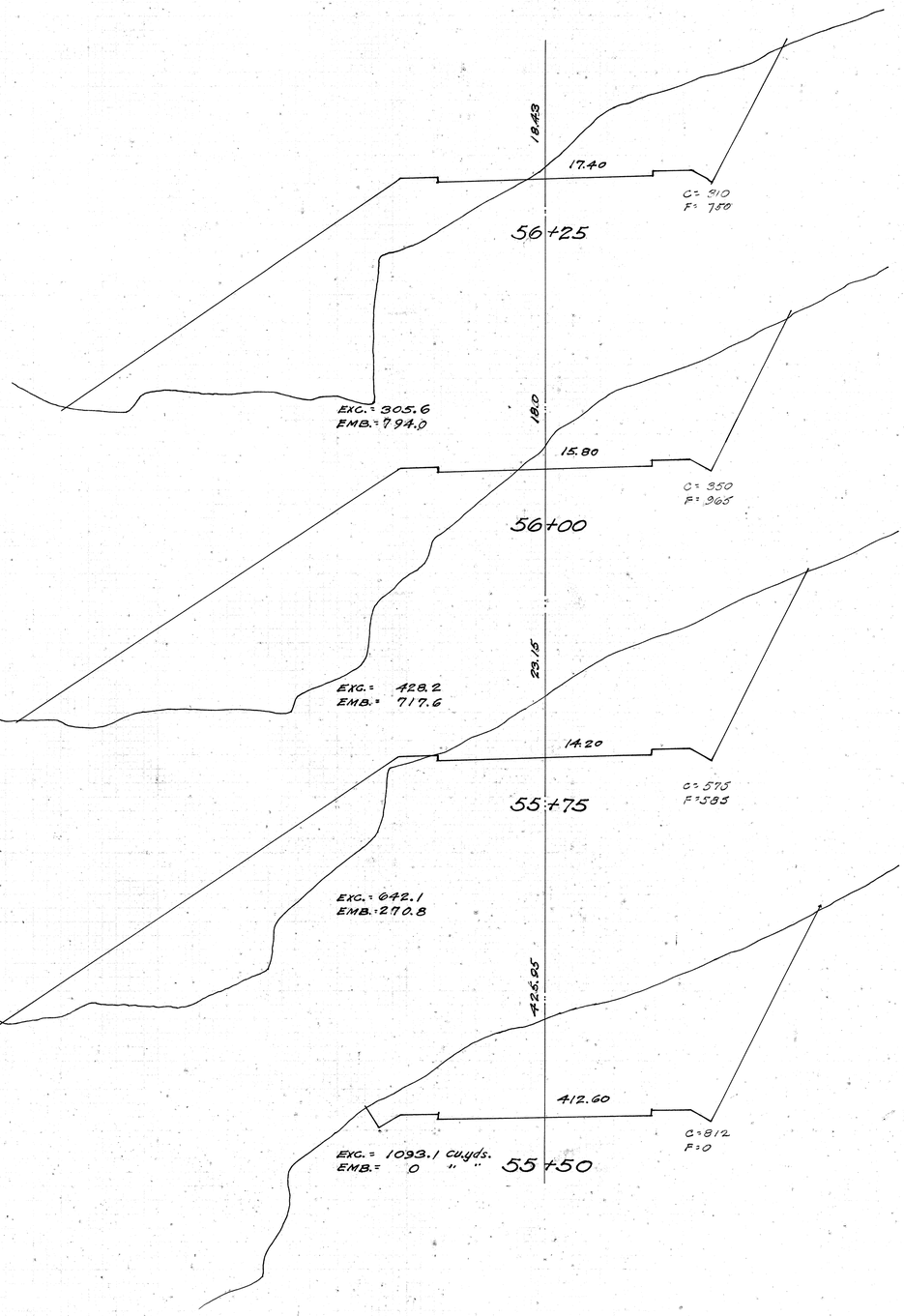


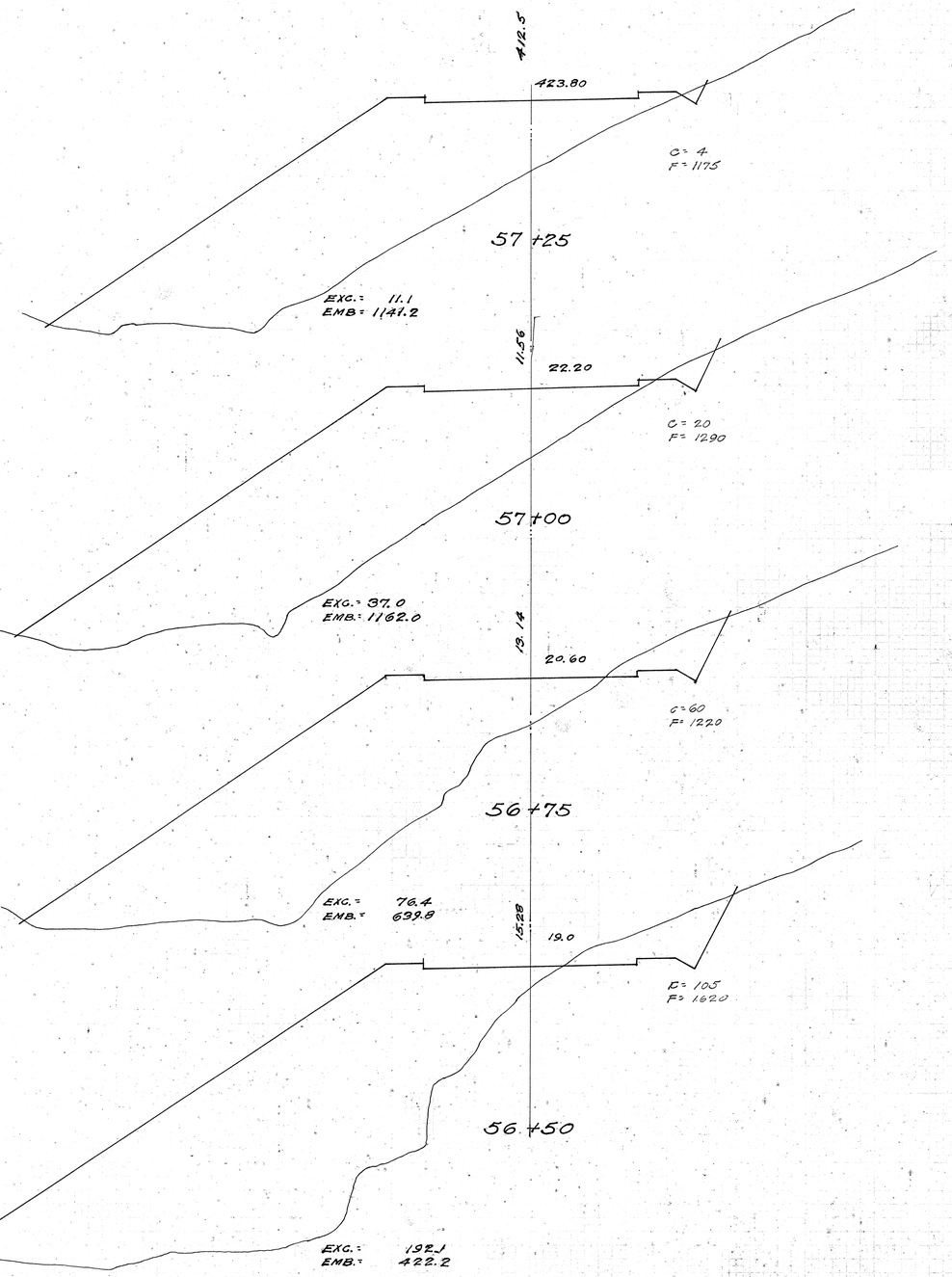




4276.37

FED. ROAD DIST. NO.	STATE	F.A. NO. PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	38	46





4276.38

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	39	46

30.20
02.12
C=0
F=2345
EXC.= 0
EMB.= 1970.8
58+25

28.60
06.0
C=0
F=1912
EXC.= 0
EMB.= 1162.5
58+00

27.00
10.0
C=0
F=1599
EXC.= 0
EMB.= 1521.3
57+75

25.40
12.59
C=0
F=1255
EXC.= 1.9
EMB.= 1125.0
57+50

36.60
27.6
EXC.= 0
EMB.= 952.3
59+25
C=0
F=475

35.00
12.79
EXC.= 0
EMB.= 1806.5
59+00
C=0
F=1582

33.40
00.66
EXC.= 0
EMB.= 2236.1
58+75
C=0
F=2320

31.80
01.49
EXC.= 0
EMB.= 2247.7
58+50
C=0
F=2510

47.62
43.0
EXC.= 1539.3
EMB.= 0
60+25
C= 1995
F= 0

38.05
41.40
EXC.= 1020.8
EMB.= 0
60+00
C= 1430
F= 0

14.86
32.80
EXC.= 439.8
EMB.= 39.4
59+75
C= 775
F= 0

41.17
38.20
EXC.= 81.0
EMB.= 259.3
59+50
C= 175
F= 85

PLATE 3 - CROSS SECTION. U. P. R. & A. B. STANDARD
KEUFFEL & ESSER CO., NEW YORK

39

4276.39

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	40	46

74.57
49.05
EXC. = 660.0
EMB. = 0
61+19.6
C = 1272
F = 0

75.77
48.13
EXC. = 1996.4
EMB. = 0
P.T. 61+05.36
C = 1420
F = 0

73.1
46.20
EXC. = 1541.7
EMB. = 0
60+75
C = 1545
F = 0

47.51
444.60
EXC. = 1703.7 C.u.yds.
EMB. = 0 " "
60+50
C = 1785 #
F = 0 #

57.40
50.66
EXC. = 144.0
EMB. = 254.6
62+50
C = 91
F = 405

59.35
55.80
EXC. = 204.6
EMB. = 87.8
62+25
C = 220
F = 145

60.96
54.42
EXC. = 506.3
EMB. = 39.5
62+03.42
C = 292
F = 95

59.95
52.60
EXC. = 405.6
EMB. = 0
61+75
C = 670
F = 0

57.06
51.64
EXC. = 1542.7
EMB. = 0
61+60
C = 790
F = 0

469.87
73.40
EXC. = 297.2
EMB. = 690.7
65+00
C = 111
F = 461

67.19
70.20
EXC. = 368.5
EMB. = 578.7
64+50
C = 210
F = 285

66.75
67.00
EXC. = 247.2
EMB. = 726.9
64+00
C = 188
F = 340

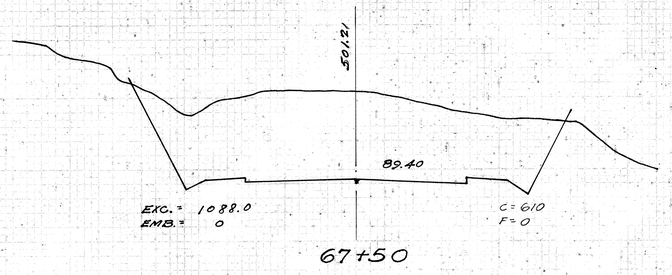
59.02
63.80
EXC. = 174.1
EMB. = 443.6
63+50
C = 79
F = 445

57.46
60.60
EXC. = 114.4
EMB. = 194.9
63+00
C = 109
F = 340

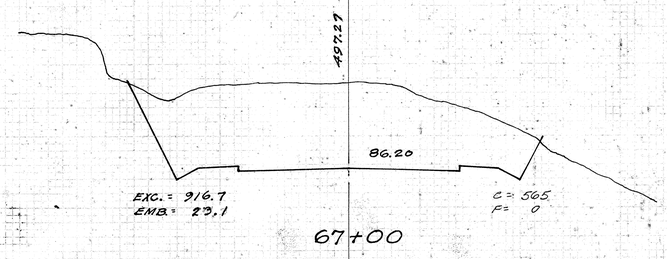
53.76
59.00
EXC. = 106.0
EMB. = 365.7
62+75
C = 138
F = 385

4276.40

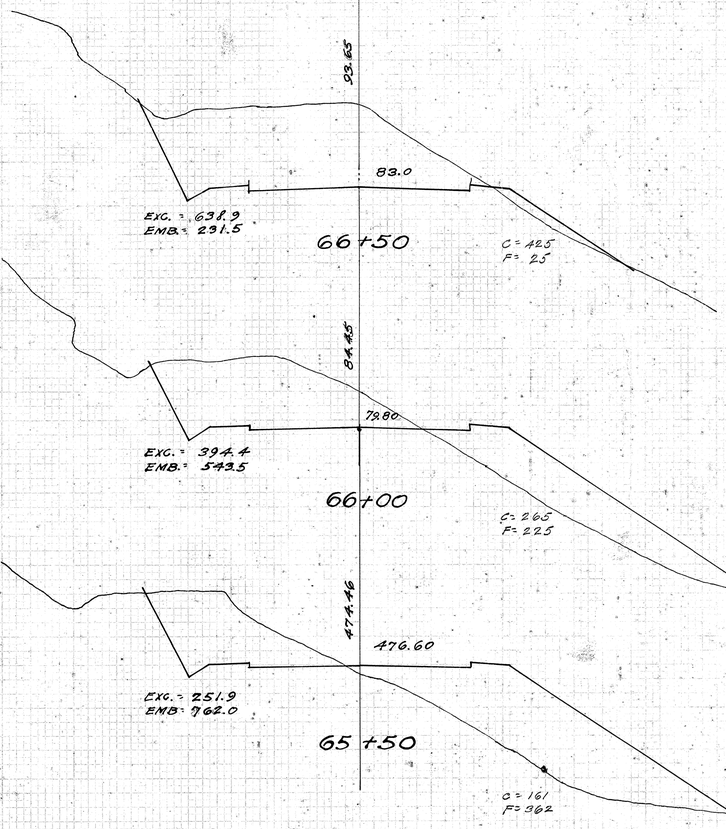
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	41	46



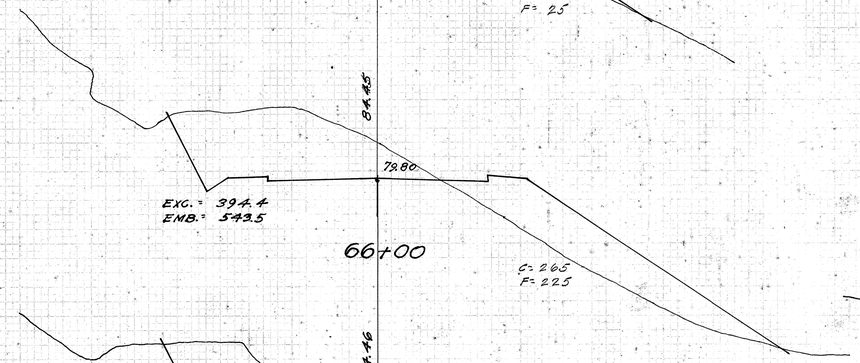
67+50



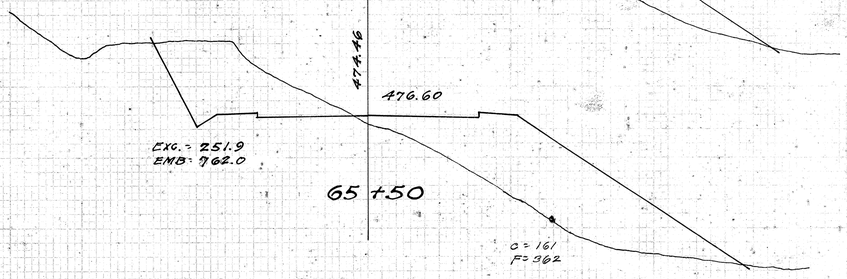
67+00



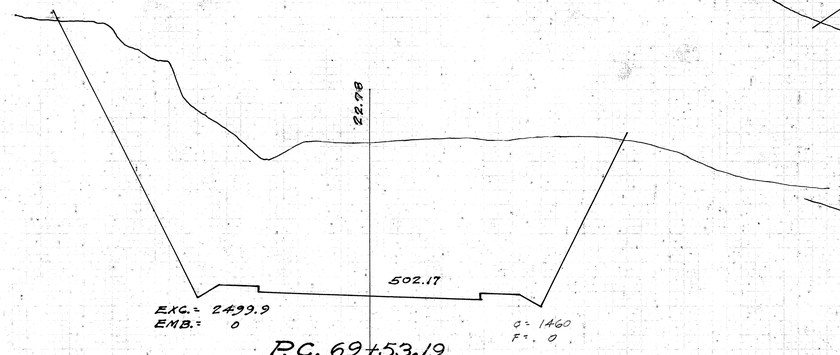
66+50



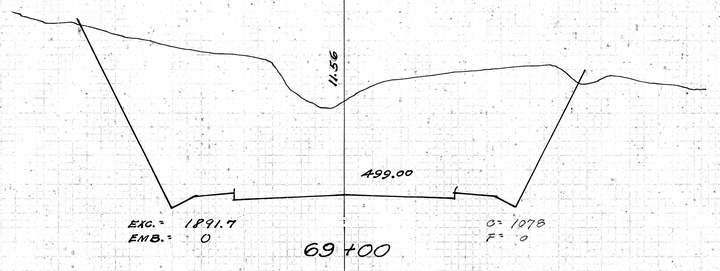
66+00



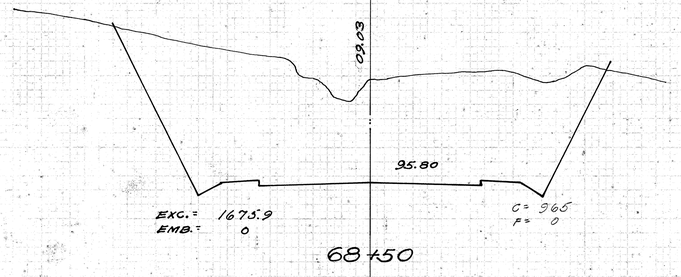
65+50



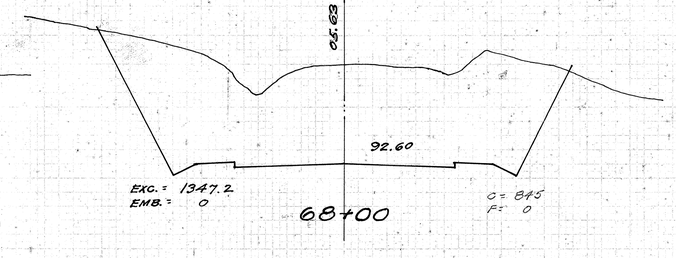
P.C. 69+53.19



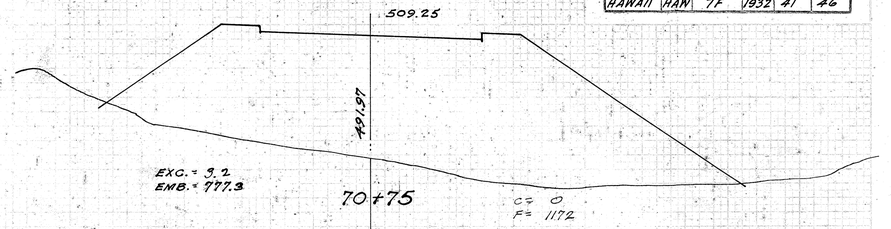
69+00



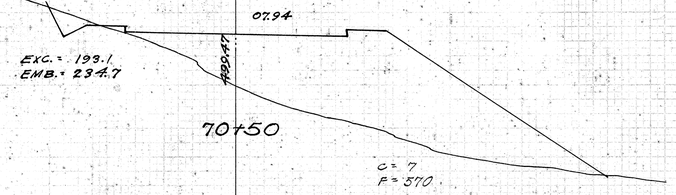
68+50



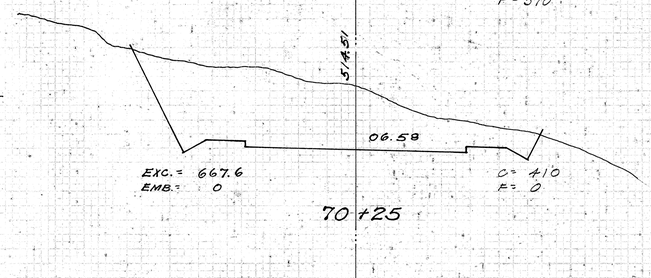
68+00



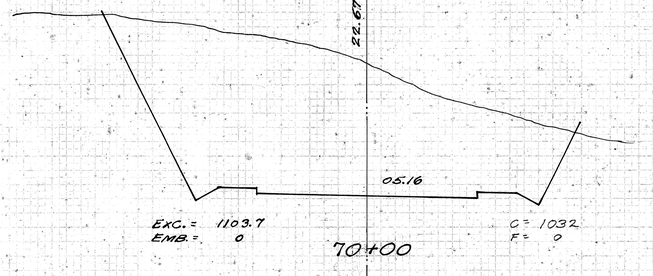
70+75



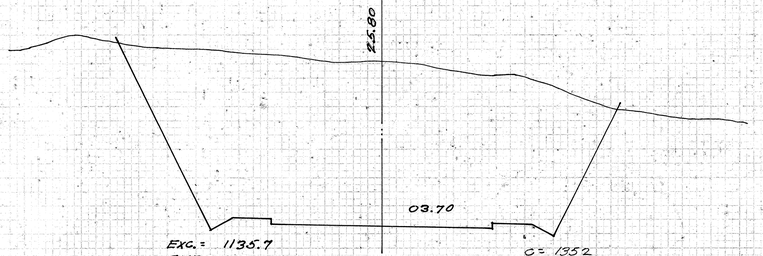
70+50



70+25



70+00



69+75

4276.41

FED. ROAD DIST. NO.	STATE	F.A.P. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	42	46

13.72 | 15.98 | C = 0 F = 98
EXC. = 0
EMB. = 165.7
72+25

13.94 | 15.00 | C = 0 F = 260
EXC. = 0
EMB. = 296.3
72+00

13.94 | 06.92 | C = 0 F = 380
EXC. = 0
EMB. = 377.3
71+75

12.84 | 04.75 | C = 0 F = 435
EXC. = 0
EMB. = 652.8
71+50

11.70 | 05.97 | C = 0 F = 975
EXC. = 0
EMB. = 1085.2
71+25

510.50 | 08.64 | C = 0 F = 1369
EXC. = 0
EMB. = 1176.4
71+00

37.62 | 19.40 | C = 1139 1344.0 F = 0 0
EXC. = 432.2 546.4
EMB. = 0
73+25

38.06 | 19.07 | C = 1091 1244.0 F = 0 0
EXC. = 451.6 517.7
EMB. = 0
73+14

29.30 | 18.63 | C = 661 755.0 F = 0 0
EXC. = 518.5 619.0
EMB. = 0
73+00

17.49 | 17.84 | C = 459 584.0 F = 0 0
EXC. = 279.6 349.5
EMB. = 31.9
72+75

14.81 | 16.90 | C = 745 173 F = 67 69
EXC. = 69.1 80.1
EMB. = 97.3
72+50

22.40 | 04.18 | C = 0 F = 940
EXC. = 0
EMB. = 881.9
74+25

21.65 | 03.97 | C = 0 F = 965
EXC. = 0
EMB. = 687.0
74+00

20.90 | 03.20 | C = 0 F = 519
EXC. = 15.0 15.7
EMB. = 96.1
73+75

20.6 | 20.60 | C = 81 85 F = 0 0
EXC. = 182.2 202.8
EMB. = 0 0
73+65

29.8 | 20.15 | C = 575 685 F = 10 0
EXC. = 523.9 599.4
EMB. = 0 0
73+50

38.2 | 19.64 | C = 1125 1300.0 F = 0 0
EXC. = 350.5 409.0
EMB. = 0 0
73+33.36

526.30 | 526.15 | C = 0 F = 1105
EXC. = 0
EMB. = 979.2
75+50

25.40 | 06.39 | C = 0 F = 1010
EXC. = 0
EMB. = 903.2
75+25

24.65 | 05.54 | C = 0 F = 941
EXC. = 0
EMB. = 868.5
75+00

23.90 | 05.34 | C = 0 F = 935
EXC. = 0
EMB. = 881.9
74+75

23.15 | 03.08 | C = 0 F = 970
EXC. = 0
EMB. = 884.3
74+50

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

4276.42

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	43	46

31.68
31.05
C= 162
F= 83
EXC.= 154.9
EMB= 258.9
P.T.-77+13.53

26.53
29.90
C= 55
F= 280
76+75
EXC.= 29.6
EMB.= 414.4

29.15
29.05
C= 9
F= 615
76+50
EXC.= 4.2
EMB.= 652.8

28.40
16.94
C= 0
F= 795
76+25
EXC.= 0
EMB= 745.4

27.65
12.59
C= 9
F= 815
76+00
EXC.= 0
EMB.= 819.4

526.90
509.3
C= 0
F= 955
75+75
EXC.= 0 cu.yds.
EMB= 353.7 " "

51.37
38.15
C= 845
F= 0
EXC.= 1490.7
EMB.= 0
79+50

50.98
36.65
C= 865
F= 0
EXC.= 1500.0
EMB.= 0
79+00

48.52
35.15
C= 755
F= 0
EXC.= 659.7
EMB.= 0
78+50

45.04
34.40
C= 670
F= 0
EXC.= 583.3
EMB.= 0
78+25

43.82
33.65
C= 590
F= 0
EXC.= 879.6
EMB.= 0
78+00

36.79
32.15
C= 360
F= 0
EXC.= 352.6
EMB= 56.1
77+50

591.82
544.15
C= 8
F= 710
EXC.= 22.2
EMB.= 528.7
81+50

37.46
43.40
C= 40
F= 432
81+25
EXC.= 88.0
EMB.= 325.0

41.37
42.65
C= 150
F= 270
81+00
EXC.= 180.2
EMB.= 133.3

41.11
42.01
C= 309
F= 70
80+78.8
EXC.= 831.4
EMB.= 55.2

51.56
40.73
C= 740
F= 0
EXC.= 976.7
EMB.= 0.0
80+36

39.46
39.65
C= 725
F= 0
EXC.= 1459.7
EMB= 0
80+00

4276.43

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	44	46

53.15
38.02
C = 0
F = 700
EXC. = 0
EMB. = 1319.4
84+50

51.65
38.92
C = 0
F = 725
EXC. = 0
EMB. = 1407.4
84+00

50.15
38.03
C = 0
F = 795
EXC. = 0
EMB. = 1537.0
83+50

48.65
34.55
C = 0
F = 865
EXC. = 0
EMB. = 1819.4
83+00

47.15
32.67
C = 0
F = 1100
EXC. = 0
EMB. = 2000.0
82+50

545.65
52.85
C = 0
F = 1060 #
EXC. = 7.4 cu.yds
EMB. = 1838.9 " "
82+00

64.63
63.05
EXC. = 208.3
EMB. = 18.6
C = 105
F = 15
88+00

63.70
62.15
EXC. = 196.3
EMB. = 9.3
C = 120
F = 5
87+50

60.91
60.65
EXC. = 131.5
EMB. = 94.1
C = 92
F = 5
87+00

57.74
59.15
EXC. = 54.6
EMB. = 328.9
C = 50
F = 75
86+50

59.56
57.65
EXC. = 8.0
EMB. = 77.9
C = 9
F = 220
85+99.93

56.15
45.03
EXC. = 0
EMB. = 1088.9
C = 0
F = 555
85+50

54.65
41.96
EXC. = 0
EMB. = 1223.1
C = 0
F = 621
85+00

573.60
573.36
EXC. = 104.6
EMB. = 3.7
C = 85
F = 5
91+25

74.13
72.55
EXC. = 77.4
EMB. = 1.2
C = 115
F = 1
90+96.74

71.84
71.89
EXC. = 52.6
EMB. = 0.9
C = 75
F = 2
90+74.7

71.17
71.15
EXC. = 143.5
EMB. = 0
C = 40
F = 0
90+50

70.48
69.65
EXC. = 208.3
EMB. = 0
C = 115
F = 0
90+00

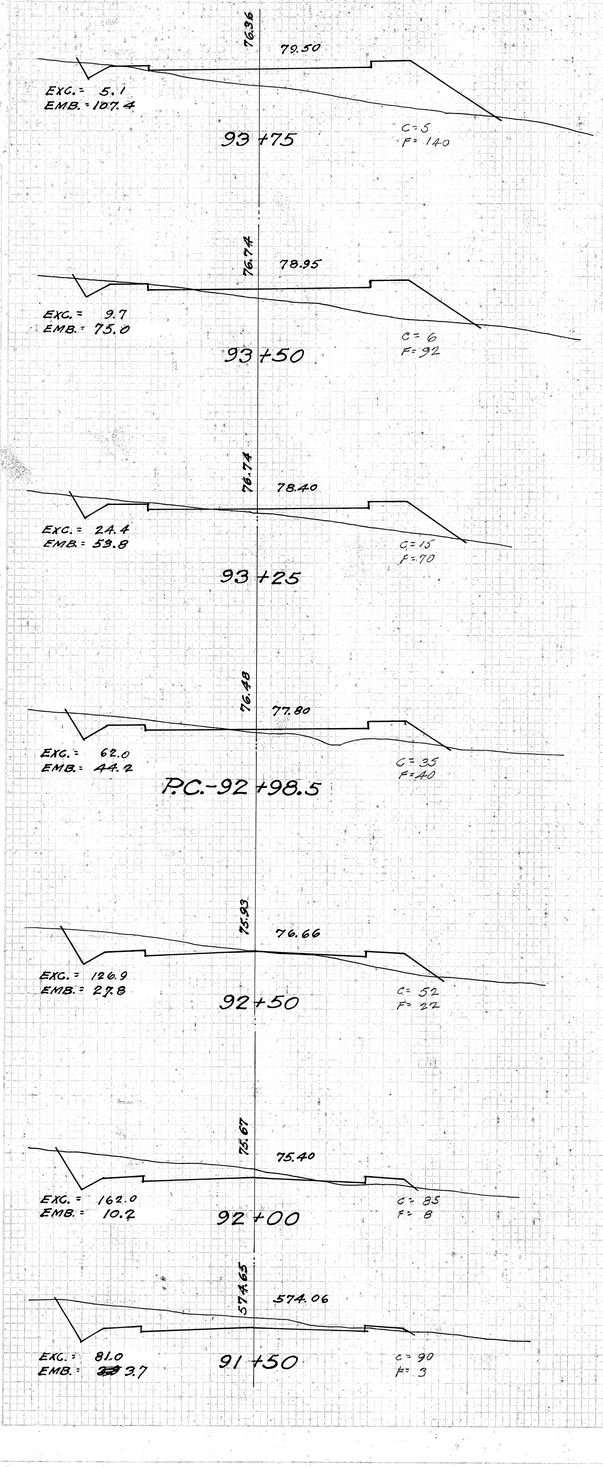
69.26
68.15
EXC. = 236.1
EMB. = 0.9
C = 110
F = 0
89+50

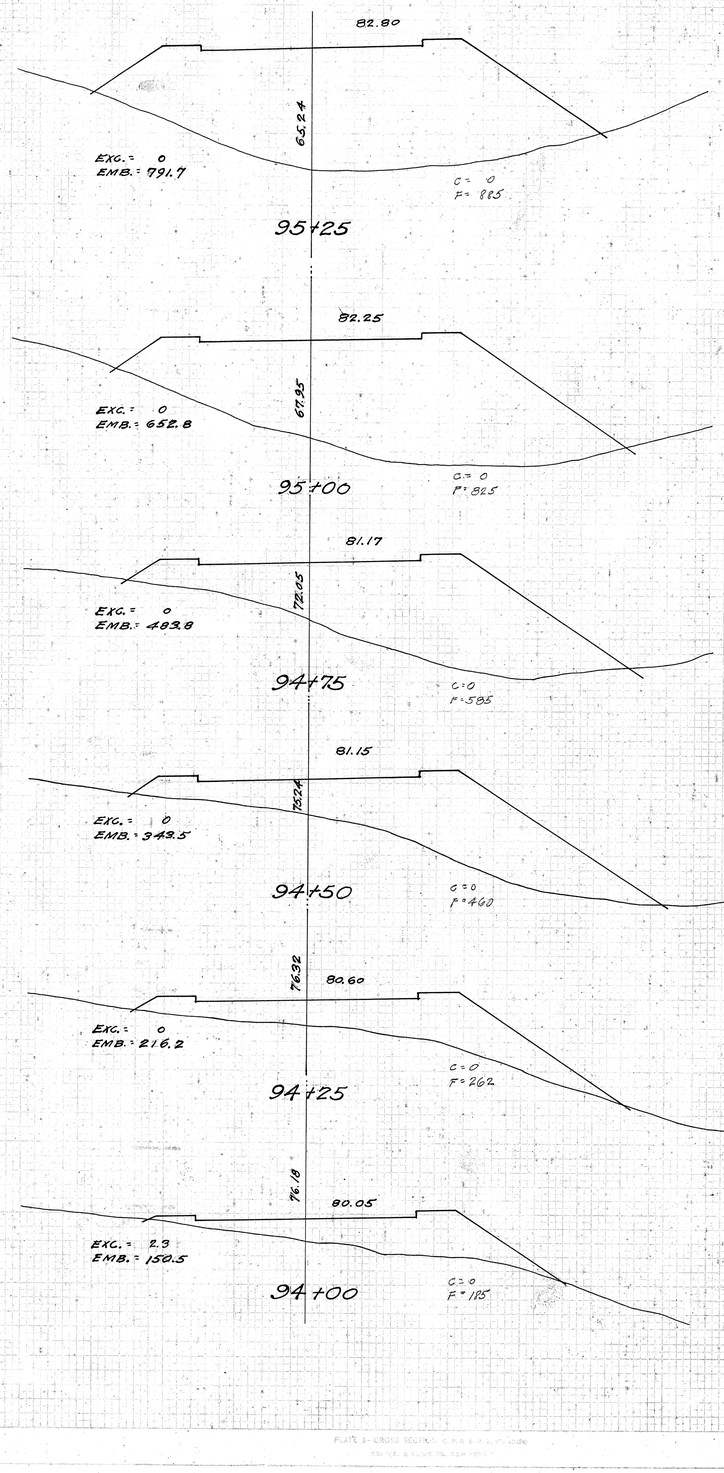
67.94
66.65
EXC. = 237.9
EMB. = 0.9
C = 145
F = 1
89+00

66.05
65.15
EXC. = 200.9
EMB. = 13.9
C = 112
F = 0
88+50

4276.44

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1937	45	46





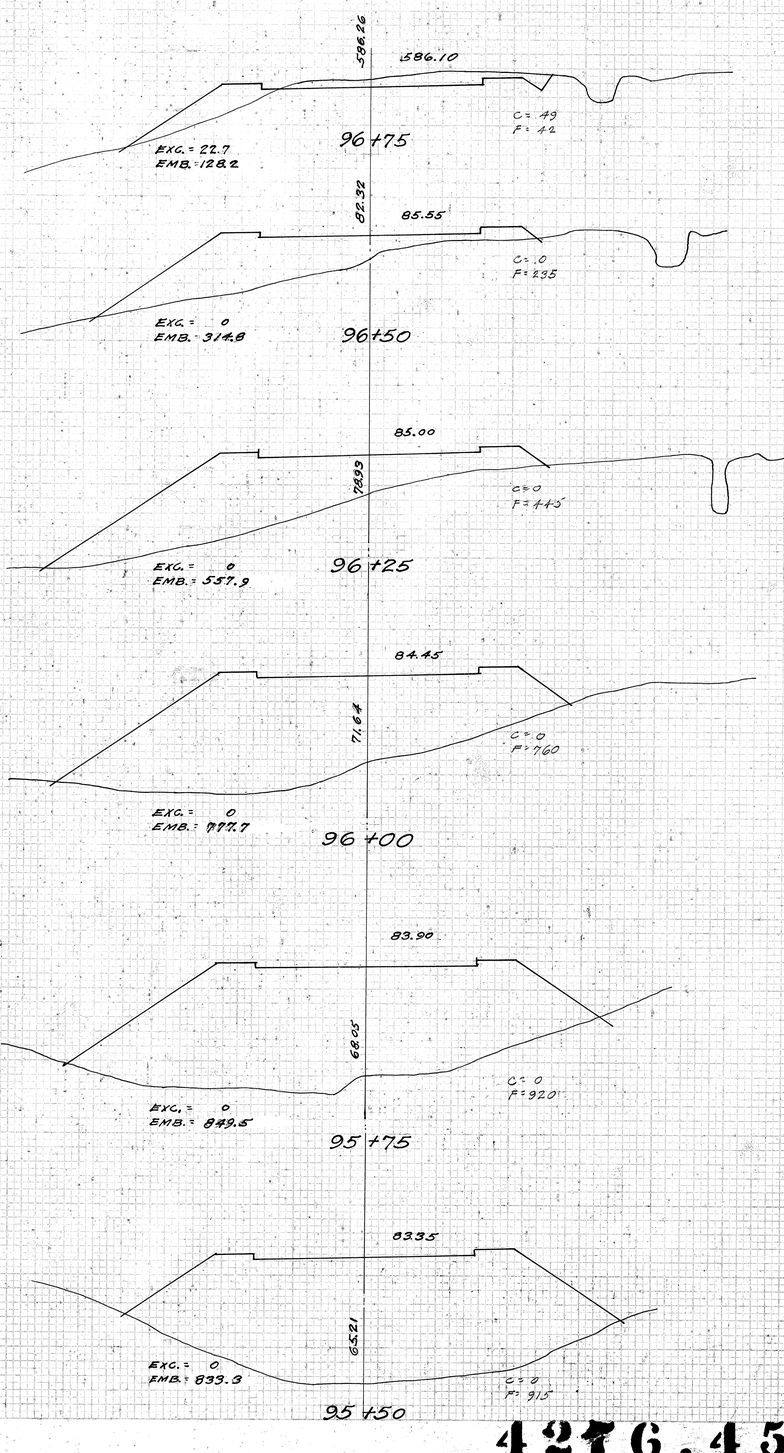


PLATE 3 - CROSS SECTIONS OF PAVEMENT

4276.45

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	7F	1932	46	46

94.50
89.95
EXC. = 229.2
EMB. = 0
C = 275
F = 0
98+50

92.09
89.40
EXC. = 185.2
EMB. = 0
C = 215
F = 0
98+25

91.41
88.85
EXC. = 113.4
EMB. = 0
C = 185
F = 0
98+00

87.75
88.30
EXC. = 159.8
EMB. = 0.5
C = 160
F = 0
97+75

89.20
87.75
EXC. = 114.4
EMB. = 1.9
C = 142
F = 1
97+50

88.87
87.20
EXC. = 87.9
EMB. = 4.6
C = 105
F = 3
97+25

587.44
586.65
EXC. = 62.0
EMB. = 22.7
C = 85
F = 7
97+00

97.92
94.35
EXC. = 417.6
EMB. = 0
C = 221
F = 0
100+50

97.14
93.25
EXC. = 331.5
EMB. = 0
C = 230
F = 0
100+00

96.65
92.56
EXC. = 91.6
EMB. = 0
C = 220
F = 0
P.T. 99+60.20

96.27
92.15
EXC. = 216.2
EMB. = 0
C = 265
F = 0
99+50

95.80
91.60
EXC. = 193.1
EMB. = 0
C = 202
F = 0
99+25

95.29
91.05
EXC. = 189.8
EMB. = 0
C = 215
F = 0
99+80

94.87
90.50
EXC. = 217.6
EMB. = 0
C = 196
F = 0
98+75

601.43
601.50
EXC. = 24.1
EMB. = 11.6
C = 22
F = 9
103+75

600.96
600.95
EXC. = 60.2
EMB. = 29.6
C = 30
F = 16
103+50

600.94
599.85
EXC. = 24.1
EMB. = 19.4
C = 35
F = 16
103+00

600.14
99.47
EXC. = 71.2
EMB. = 17.8
C = 42
F = 27
102+83

599.73
98.45
EXC. = 166.7
EMB. = 1.8
C = 75'F
F = 2
102+50

99.45
97.65
EXC. = 247.2
EMB. = 0
C = 105
F = 0
102+00

96.99
96.55
EXC. = 326.9
EMB. = 0
C = 162
F = 0
101+50

98.57
95.45
EXC. = 380.6
EMB. = 0
C = 190
F = 0
101+00

PLATE 3—CROSS SECTION [illegible] STANDARD
KRUTTSCHNITT & BENDA CO., NEW YORK.

4276.46

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Hawn	7-F	1932	46A	46

NOTE:- This sheet with Sheets 46B & 46C cover work on this road connection provided by a "WORK ORDER"

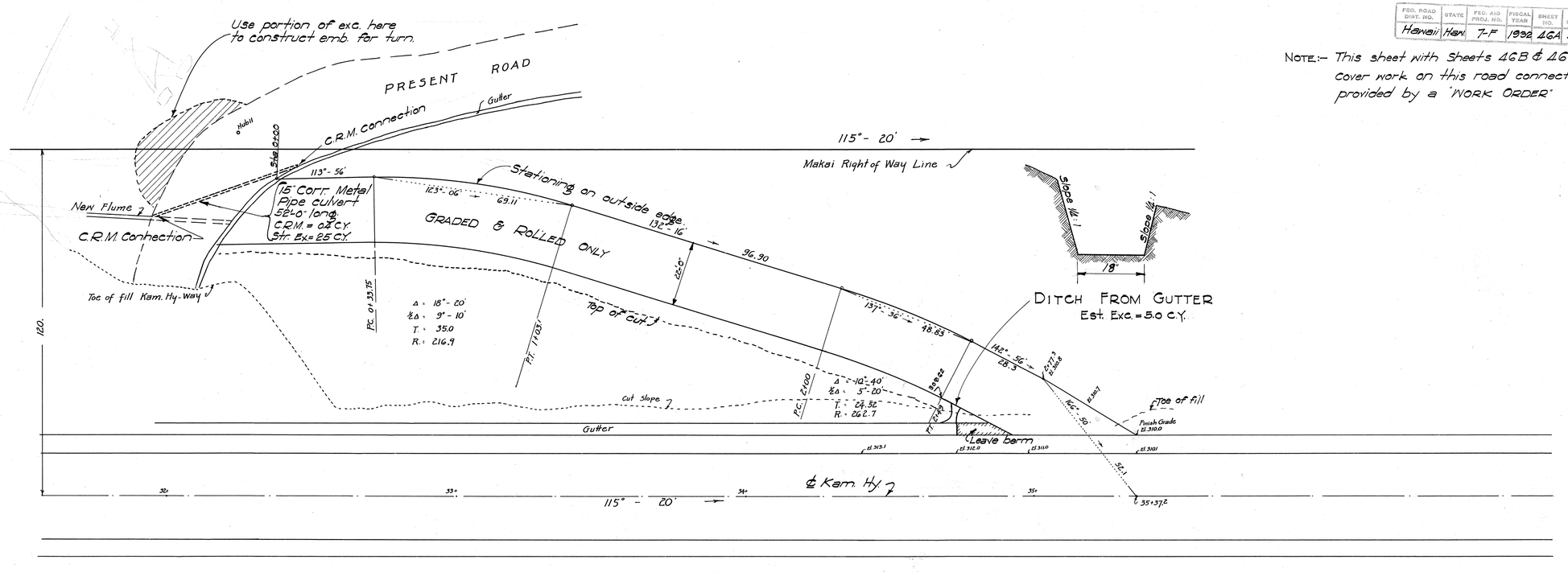
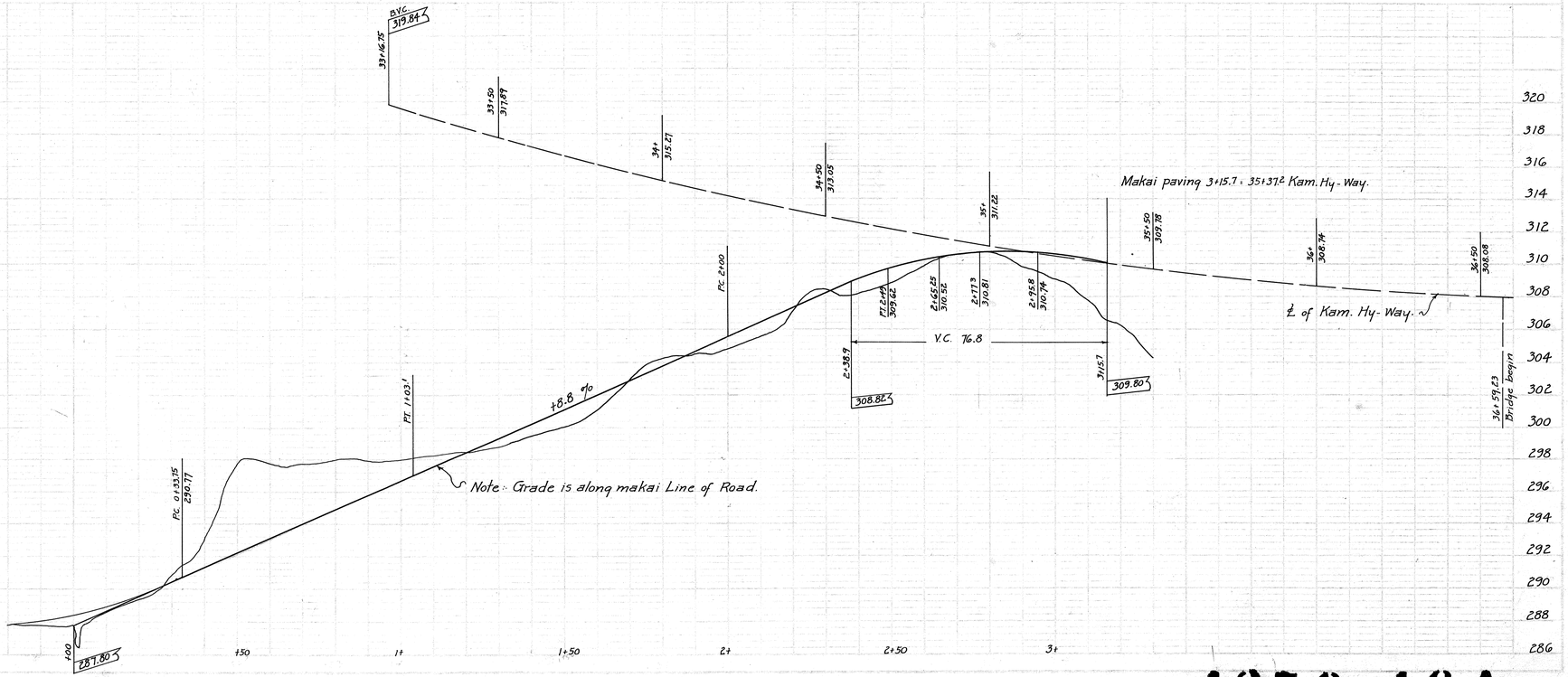


TABLE OF QUANTITES

INVOLVED IN THIS ROAD CONNECTION

Item No.	Item	Est'd Quantity	Unit
1	Unclassified Exc.	1632.8	C.Y.
6	Uncl. Exc. for structs other	25.0	C.Y.
10	C.R.M. Other	0.4	C.Y.
N2	15" Corr. Metal pipe culvt	52.0	lin ft.

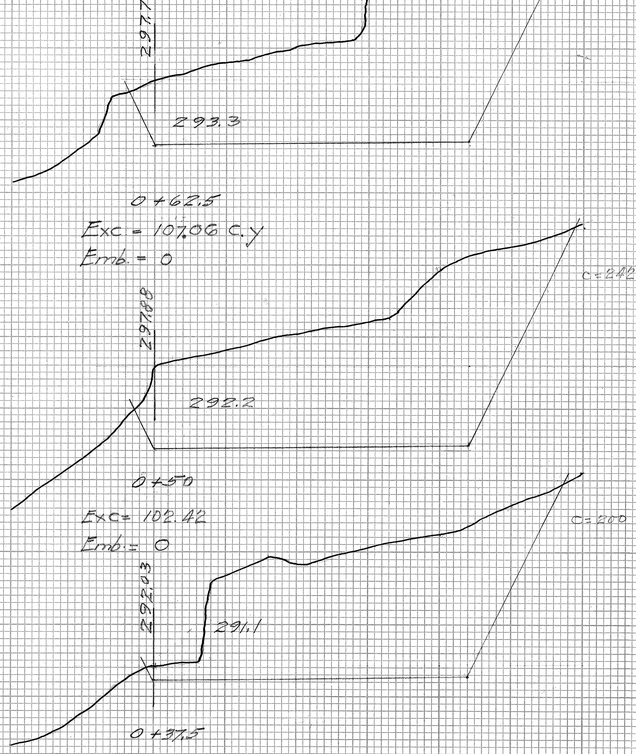


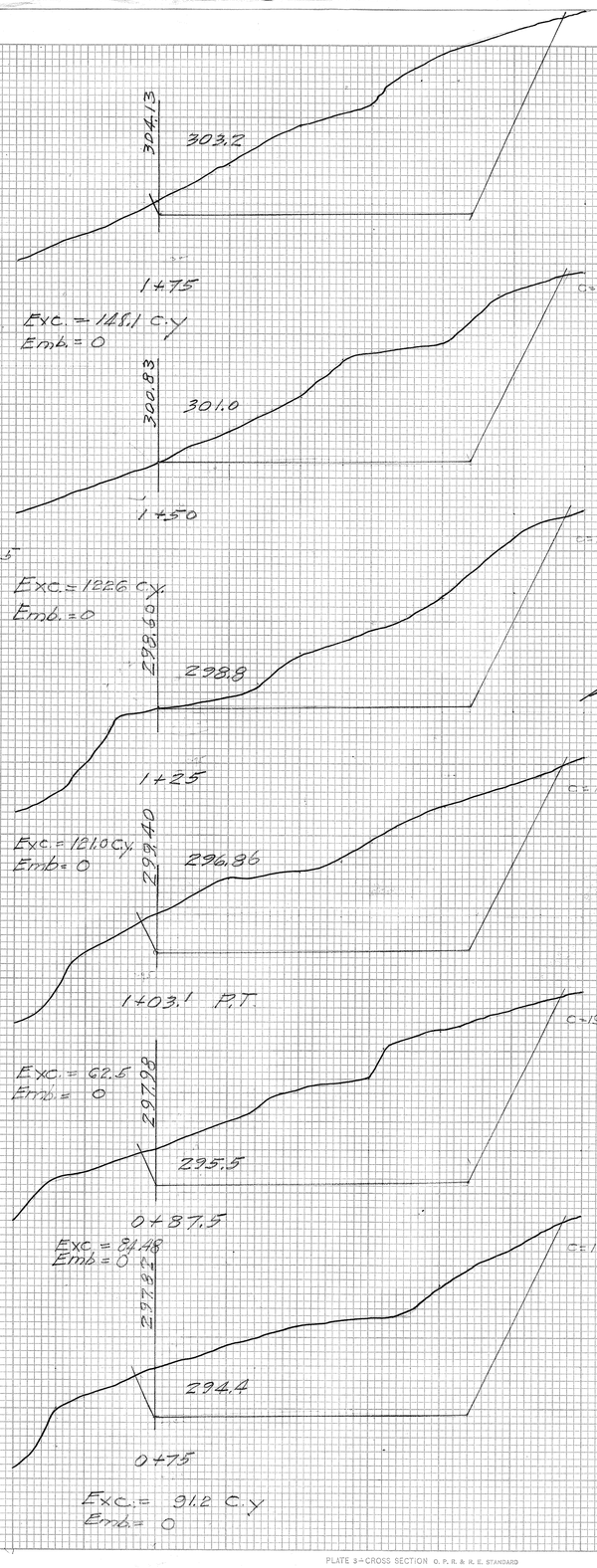
427.46A

46B

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Ham	7-F	1932	46B	46

See note sheet 46A





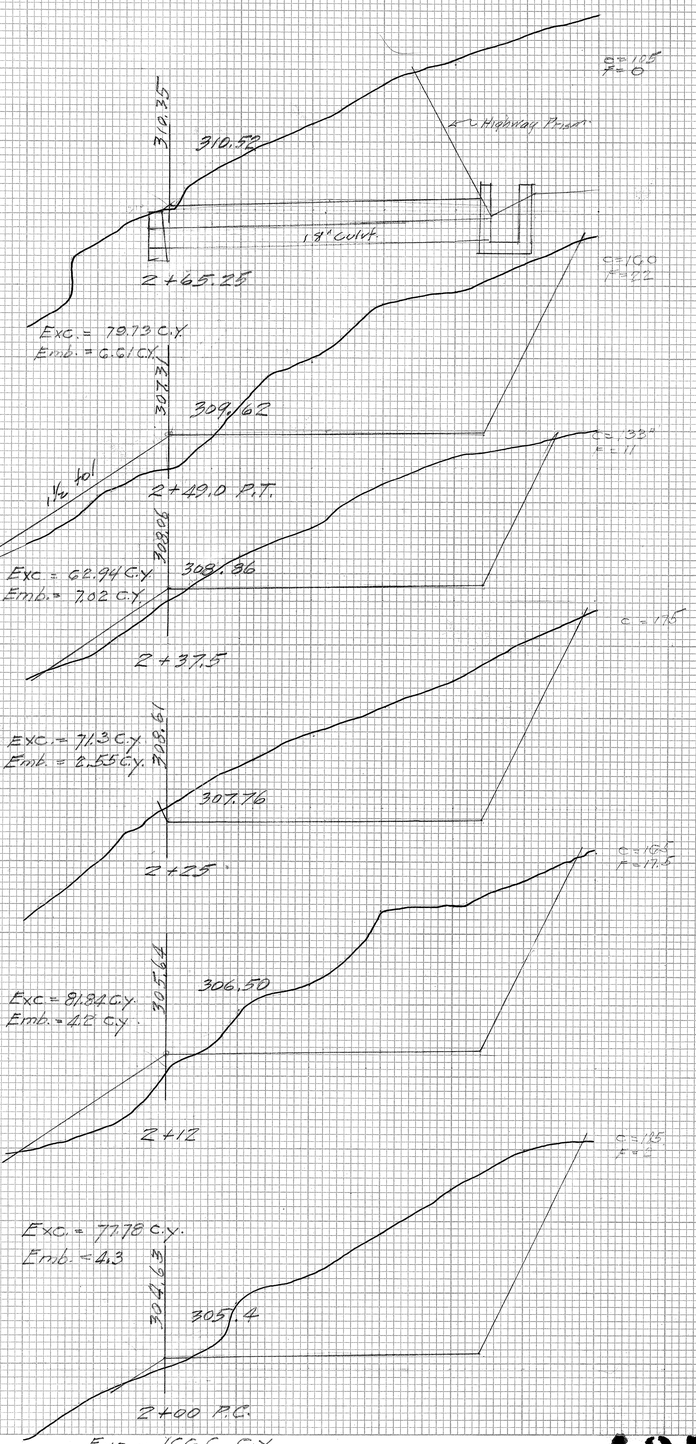


PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

Scale 1"=5'
May 29, 1933

4276.46B

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

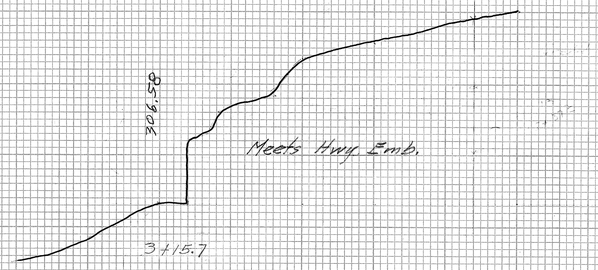
FINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS, AREAS CHECKED, NOTE BOOK, NO., DATE, BY

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw.	7-F	1932	46-C	46

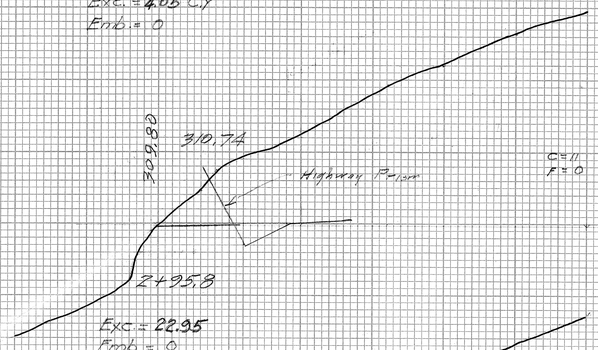
See note sheet 46A

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

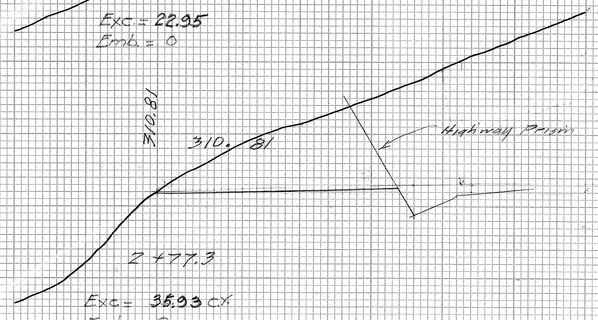
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO., BY W.C.V., DATE



Exc. = 4.05 C.Y.
Emb. = 0



Exc. = 22.95
Emb. = 0



Exc. = 35.93 C.Y.
Emb. = 0

Scale 1"=5'
Mar. 20, 1933

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