FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	E15-A	1932	11	25

See Sheet No. 24

Exc. = 141.0 c.y.

392.46
396.93
1+50
C = 0.0
F = 130.5

Exc. 187.9 c.y.
Emb. 111.6

393.59
394.32
1+00
C = 203.0
F = 0.0

Exc. 436.1 c.y.
Emb. 0.0

400.23
395.11
0+50
C = 268.0
F = 0.0

Exc. 1117.6 c.y.
Emb. 0.0

411.89
394.80
0+00
C = 937.0
F = 0.0

Exc. 931.5 c.y.
Emb. 0.0

394.72
393.40
-0+50
C = 67.0
F = 0.0

From Sheet No. 25
Exc. 88.2 c.y.
Emb. 0.0

390.32
390.92
-1+00

Exc. 1850.9 c.y.
Emb. 0.0

386.01
379.00
3+50
C = 933.0
F = 0.0

Exc. 1285.6 c.y.
Emb. 0.0

390.46
382.50
3+00
C = 455.5
F = 0.0

Exc. 542.6 c.y.
Emb. 0.9

390.17
386.00
2+50
C = 130.5
F = 1.0

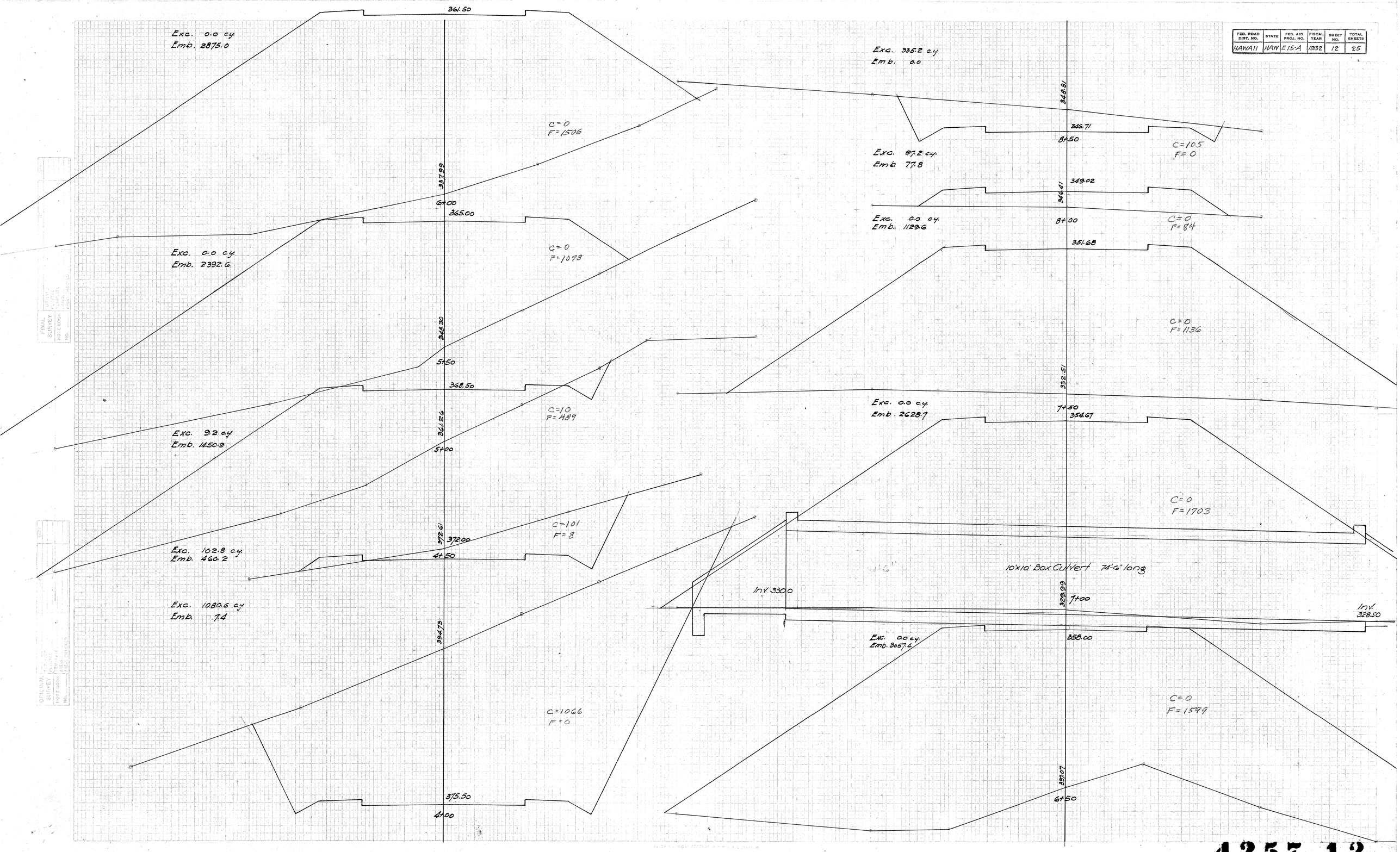
Exc = 144.0 c.y.
Emb = 108.3

388.64
2+00

No Section - See Sheet No. 24

4257.11

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	E15-A	1932	12	25



4257.12

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	F 15 A	1932	13	25

Note: Sta 11+45
C = 0.0

Exc. 69 c.y.
Emb. 655.6

346.35
339.92
11+60
C = 75
F = 4

340.21
Inv. 329.0
24" Pipe Culvt. 68' long
Inv. 323.75
328.35
11+00
Exc. 0.0 c.y.
Emb. 699.1
C = 0
F = 70.4

332.91
340.83
10+50
C = 0
F = 51

Exc. 64.8 c.y.
Emb. 47.2

343.06
341.79
10+00
C = 70
F = 0

Exc. 331.5 c.y.
Emb. 0.0

349.83
343.09
9+50
C = 288
F = 0

Exc. 504.6 c.y.
Emb. 0.0

350.52
344.73
9+00
C = 257
F = 0

Exc. 335.3 c.y.

C = 105
F = 0

343.61
335.04
16+00
C = 381
F = 0

Exc. 767.6 c.y.
Emb. 0.0

346.45
336.84
15+50
C = 418
F = 0

Exc. 472.2 c.y.
Emb. 1.9

339.28
338.15
15+00
C = 62
F = 2

Exc. 11.5 c.y.
Emb. 255.6

Note: Sta. 14+90
C = 0.0

338.99
Inv. 332.40
24" Pipe Culvt. 48' long
Inv. 331.30
339.19
14+50
Exc. 0.0 c.y.
Emb. 176.8
C = 0
F = 27.4

Note: Sta. 14+25
C = 0.0
F = 0.0

345.57
339.35
14+00
Exc. 11.9 c.y.
Emb. 0.0
C = 257
F = 0

346.85
339.35
14+00
Exc. 525.4 c.y.
Emb. 0.0

346.16
339.47
13+50
Exc. 573.1 c.y.
Emb. 0.0
C = 330
F = 0

339.01
339.58
13+00
Exc. 410.2 c.y.
Emb. 0.0
C = 289
F = 0

342.38
339.70
12+50
Exc. 217.6 c.y.
Emb. 0.0
C = 134
F = 0

339.81
12+00
Exc. 142.1 c.y.
Emb. 37
C = 81
F = 0

4257.13

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F15-A	1932	14	25

320.64

C=1068
F=0

319.46
19+00

Exc. 1462.0 c.y.
Emb 0.0

332.18

Exc. 236.5 c.y.
Emb 0.0

C=511
F=0

321.36
18+50

324.00

Exc. 0.0 c.y.
Emb 240.3

C=0
F=519

Note: Sta. 18+25
C= 0.0
F= 0.0

Inv. 314.0

36" Pipe Culvt 56' long

327.77

Inv. 312.0

Exc. 0.0 c.y.
Emb 814.8

18+00

327.00

C=0
F=361

318.39

Exc. 0.0 c.y.
Emb. 200.6

17+50

Note: Sta. 17+80
C= 0.0
F= 0.0

336.00

Exc. 110.4 c.y.
Emb 0.0

17+00

C=298
F=0

330.00

Exc. 324.1 c.y.
Emb. 28

333.55

332.76

16+50

C=52
F=3

Exc. 400.1 c.y.
Emb 28

Exc. 0.0 c.y.
Emb 200.0

Note: Sta 22+25
C= 0.0
F= 0.0

321.88

C=0
F=433

311.45

22+00

Exc. = 0.0 c.y.
Emb. = 751.6 c.y.

21+63.5

320.50

Over Culvt { Exc. 0.0 c.y.
Emb. 68.0

64"

C=0
F=679

Double 10'x12' Box Culvert
39' long

307.25

Inv. 307.20

Inv. 306.0

21+50

Exc. 0.0 c.y.
Emb 797.6

21+36.5

319.13

C=0
F=501

309.57

Exc. 39.7 c.y.
Emb 505.6

21+00

321.59

Note: Sta. 20+65
C= 0.0

318.11

20+50

Exc. 66.2 c.y.
Emb 184.3

C=1143
F=35

317.84

Note: Sta. 20+25
C= 0.0

Inv. 314.4

313.67

C=0
F=164

Exc. 0.0 c.y.
Emb 45.6

18" Pipe Culvt 44' long

20+00

Inv. 310.59

Note: 19+95
C= 0.0
F= 0.0

Exc. 253.4 c.y.
Emb 0.0

325.82

C=391
F=0

318.28

Exc. 1350.1 c.y.
Emb 0.0

19+50

4257.14

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	515-A	1932	15	25

333.04
329.88
26+00
Exc. 330.1 c.y.
Emb .00
C=157.5
F= 0.0

333.96
329.81
25+50
Exc. 395.4 c.y.
Emb 0.0
C=199.0
F= 0.0

334.20
329.38
25+00
Exc. 361.1 c.y.
Emb 0.0
C=228.0
F= 0.0

331.97
328.56
24+50
Exc. 399.1 c.y.
Emb 0.0
C=162.0
F= 0.0

333.14
327.38
24+00
Exc. 641.8 c.y.
Emb 0.0
C=269.0
F= 0.0

335.04
326.00
23+50
Exc. 856.4
Emb 0.0
C=423.7
F= 0.0

335.28
324.63
23+00
Exc. 850.1 c.y.
Emb 0.0
C=501.0
F= 0.0

331.87
323.25
22+50
Exc. 643.5 c.y.
Emb 0.0
C=418.0
F= 0.0

324.50
Inv 315.25
24" Pipe Culvt 54.1 long
Inv 312.25
3/3.72
29+50
Exc. 00 c.y.
Emb 825.0
C=0.0
F=450.0

325.38
315.92
29+00
Exc. 1.1 c.y.
Emb 432.4
324.99
326.25
28+50
Exc. 659 c.y.
Emb 125.9
C=0.0
F=439.0

328.44
327.31
28+00
Exc. 150.5 c.y.
Emb 0.0
C=70.0
F= 0.0

329.93
328.00
27+50
Exc. 192.6 c.y.
Emb 0.0
C=92.5
F= 0.0

331.16
328.88
27+00
Exc. 234.3 c.y.
Emb 0.0
C=115.5
F= 0.0

332.38
329.56
26+50
Exc. 273.2 c.y.
Emb 0.0
C=137.5
F= 0.0

Exc. 2.5 c.y.
Emb .10.13
314.59
317.50
33+50
C= 0.0
F= 90.5

Exc. 0.0 c.y.
Emb 372.2
C=0.0
F=450.0

318.38
314.50
Inv 311.50
18" Pipe Culvt 52' long
Inv 309.80
33+00
Exc. 0.0 c.y.
Emb 516.7
C= 0.0
F= 311.5

315.92
319.25
32+50
Exc. 1.1 c.y.
Emb 283.3
C=0.0
F=246.5

317.94
320.13
32+00
Exc. 1.1 c.y.
Emb 744.0
321.00
C=1.5
F=59.5

326.57
Inv 307.50
24" Pipe Culvt 70' long
Inv 305.80
31+50
Exc. 0.0 c.y.
Emb 1211.1
C=0.0
F=794.0

321.88
310.35
31+00
Exc. 0.0 c.y.
Emb 625.0
322.75
C=0.0
F=564.0

319.01
307.50
Exc. 14.8 c.y.
Emb 107.0
C=0.0
F=111.0

323.46
323.63
30+00
Exc. 14.8 c.y.
Emb 422.7
C=16.0
F= 4.5

FIELD SURVEY PLOTTED NOTE BOOK REFERENCE NO. ORIGINAL TRACING

4257.15

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	E 15-A	1932	16	25

308.75
302.97
38+50
Exc. 0.5 c.y.
Emb. 225.0
C = 0.0
F = 318.0

308.40
309.63
38+00
Exc. 12.5 c.y.
Emb. 27.3
C = 0.5
F = 25.0

310.29
310.50
37+50
Exc. 16.4 c.y.
Emb 18.1
C = 13.0
F = 4.5

310.71
311.38
37+00
Exc. 27.5 c.y.
Emb 14.5
C = 4.7
F = 15.0

312.26
312.25
36+50
Exc. 48.6 c.y.
Emb .1.1
C = 25.0
F = 0.7

313.17
313.13
36+00
Exc. 58.3 c.y.
Emb 0.5
C = 37.5
F = 0.5

314.29
314.00
35+50
Exc. 73.2 c.y.
Emb. 0.0
C = 35.5
F = 0.0

315.29
314.88
35+00
Exc. 77.8 c.y.
Emb. 0.0
C = 43.5
F = 0.0

316.24
315.75
34+50
Exc. 40.0 c.y.
Emb. 18.1
C = 40.5
F = 0.0

315.61
316.63
34+00
C = 9.7
F = 19.5

301.64
294.16
42+00
Exc. 0.0 c.y.
Emb 301.4
C = 0.0
F = 318.0

303.07
289.44
41+50
41+50
Exc. 0.0 c.y.
Emb 1549.1
C = 0.0
F = 324.5

304.27
303.79
39+50
Exc. 0.0 c.y.
Emb. 1400.9
C = 0.0
F = 649.0

305.25
294.16
40+50
Exc. 0.0 c.y.
Emb. 529.8
C = 0.0
F = 1074.0

306.13
303.13
40+00
Exc. 0.0 c.y.
Emb. 165.9
C = 0.0
F = 484.0

307.00
303.79
39+50
307.88
Exc. 0.0 c.y.
Emb. 444.4
C = 0.0
F = 83.9

258.67
39+00
Exc. 0.0 c.y.
Emb. 557.4
C = 0.0
F = 96.0

24" Pipe Culvert 72' long
Inv 288.25
Inv 284.80
286.32
41+00
C = 0.0
F = 384.0

Exc. 625.0 c.y.
Emb. 0.0
292.23
285.93
45+50
C = 297.5
F = 0.0

Exc. 342.6 c.y.
Emb. 0.0
289.45
288.56
45+00
C = 72.7
F = 0.0

Exc. 318.2 c.y.
Emb. 0.0
296.81
291.20
44+50
C = 271.0
F = 0.0

Exc. 269.4 c.y.
Emb. 67.1
294.93
293.73
44+00
C = 0.0
F = 72.5

Exc. 0.0 c.y.
Emb. 179.8
292.17
296.04
43+50
C = 0.0
F = 121.7

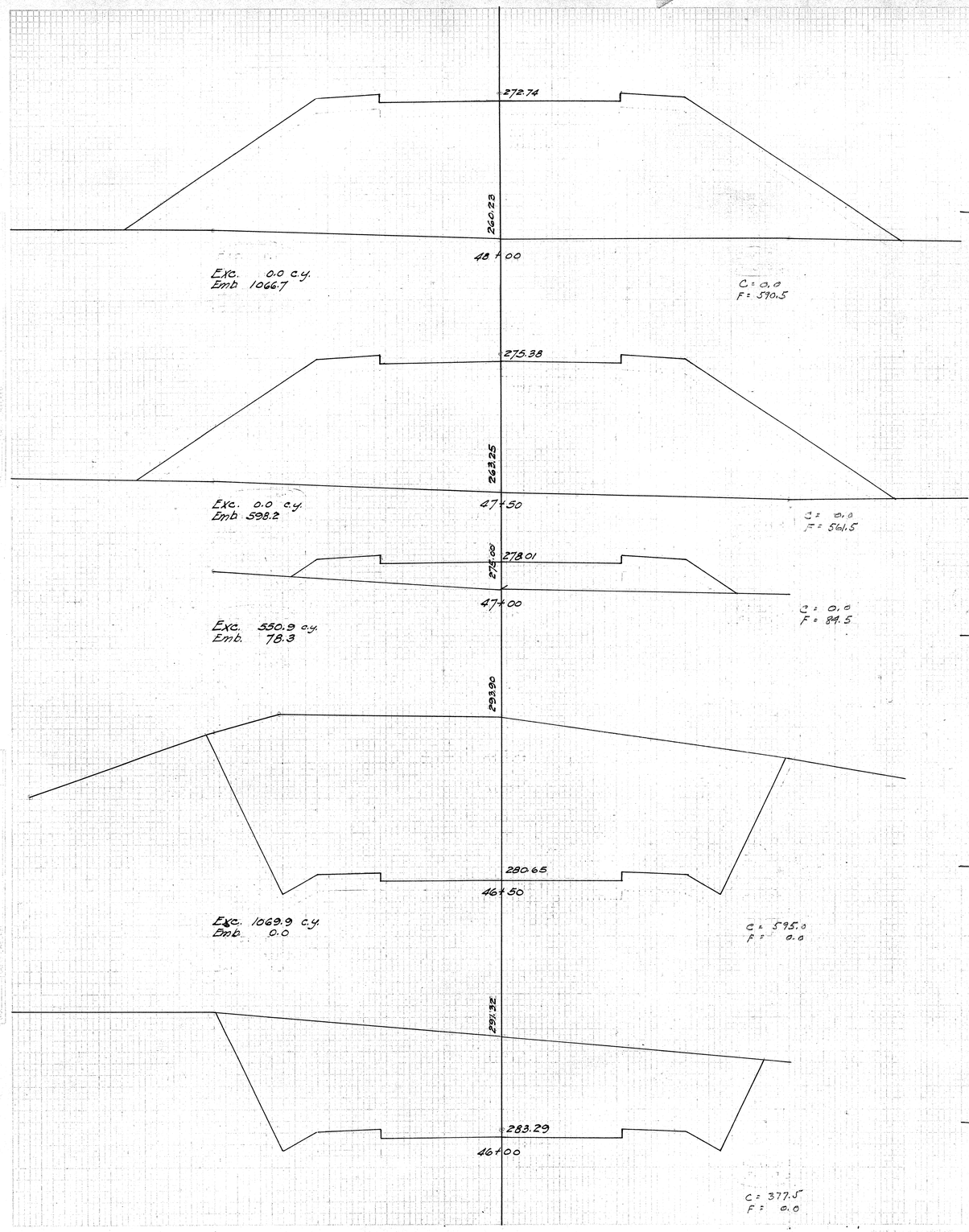
Exc. 50.5 c.y.
Emb 112.7
298.02
298.12
43+00
C = 54.5
F = 0.0

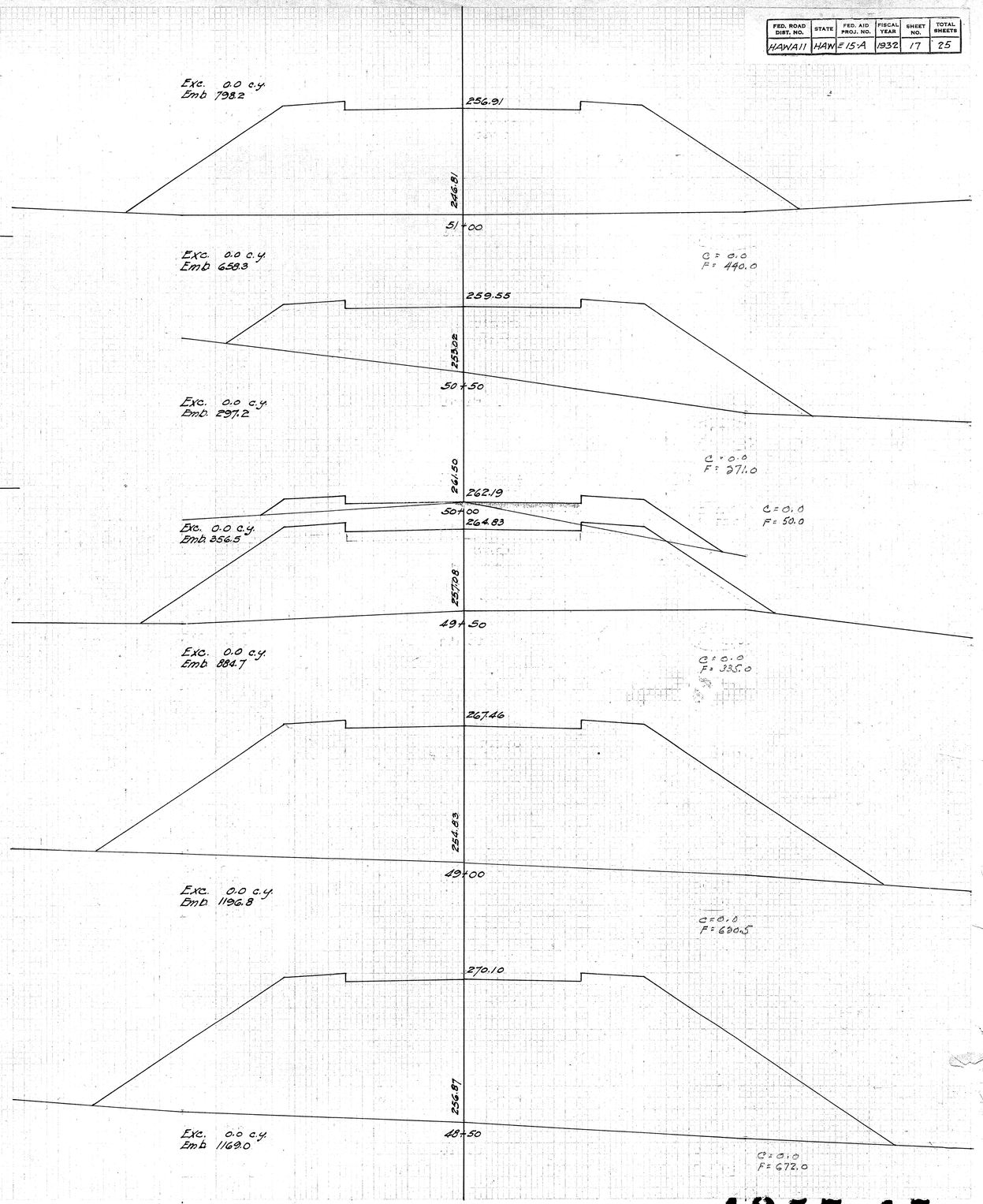
Exc. 50.5 c.y.
Emb. 336.1
299.99
294.66
42+50
C = 0.0
F = 363.2

Note: Sta 42+80
C = 0.0
F = 0.0

4257.16

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	E15-A	1932	17	25





4257.17

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	F15-A	1932	18	25

249.22
235.00
53+50
Exc. 0.0 c.y.
Emb. 1378.7
C = 0.2
F = 711.2

249.88
235.00
53+00
Exc. 0.0 c.y.
Emb. 718.6
C = 0.2
F = 778.2

250.37
236.05
52+75
Beginning of Swamp.
Exc. 0.0 c.y.
Emb. 448.5
C = 0.2
F = 774.2

250.98
236.76
52+50
Exc. 0.0 c.y.
Emb. 519.4
C = 0.0
F = 194.5

252.52
244.00
52+00
Exc. 0.0 c.y.
Emb. 730.1
C = 0.0
F = 366.5

254.50
244.92
51+50
C = 0.0
F = 432.0

Exc. 0.0 c.y.
Emb. 2159.1

250.63
239.92
55+87
Exc. 0.0 c.y.
Emb. 974.7
C = 0.2
F = 675.5

249.88
235.84
55+50
Exc. 0.0 c.y.
Emb. 1330.5
End of Swamp
C = 0.2
F = 747.2

249.22
235.00
55+00
Exc. 0.0 c.y.
Emb. 1312.0
C = 0.2
F = 712.5

249.00
235.00
54+50
BRIDGE.
C = 0.2
F = 704.5

249.00
235.00
54+00
Exc. 0.0 c.y.
Emb. 1310.6
C = 0.2
F = 704.5

4257.18

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	F-15-A	1932	19	25

256.66

246.94

Approach

57+46

C = 0.0
F = 890.2

254.47

Exc 0.0 c.y.
Emb 1570.0

Approach

256.66

C = 0.2
F = 953.2

New Extension 4'x4' Box Culvert, 46'-0"

Existing 4'x6' Culvert

4'x4' Extension 10' long

57+00

Exc. 0.0 c.y.
Emb. 1970.6

252.50

Approach

232.50

C = 0.2
F = 1175.2

56+50

~~Exc. 0.0 c.y.~~
~~Emb. 2159.1~~

259.96

Approach

251.18

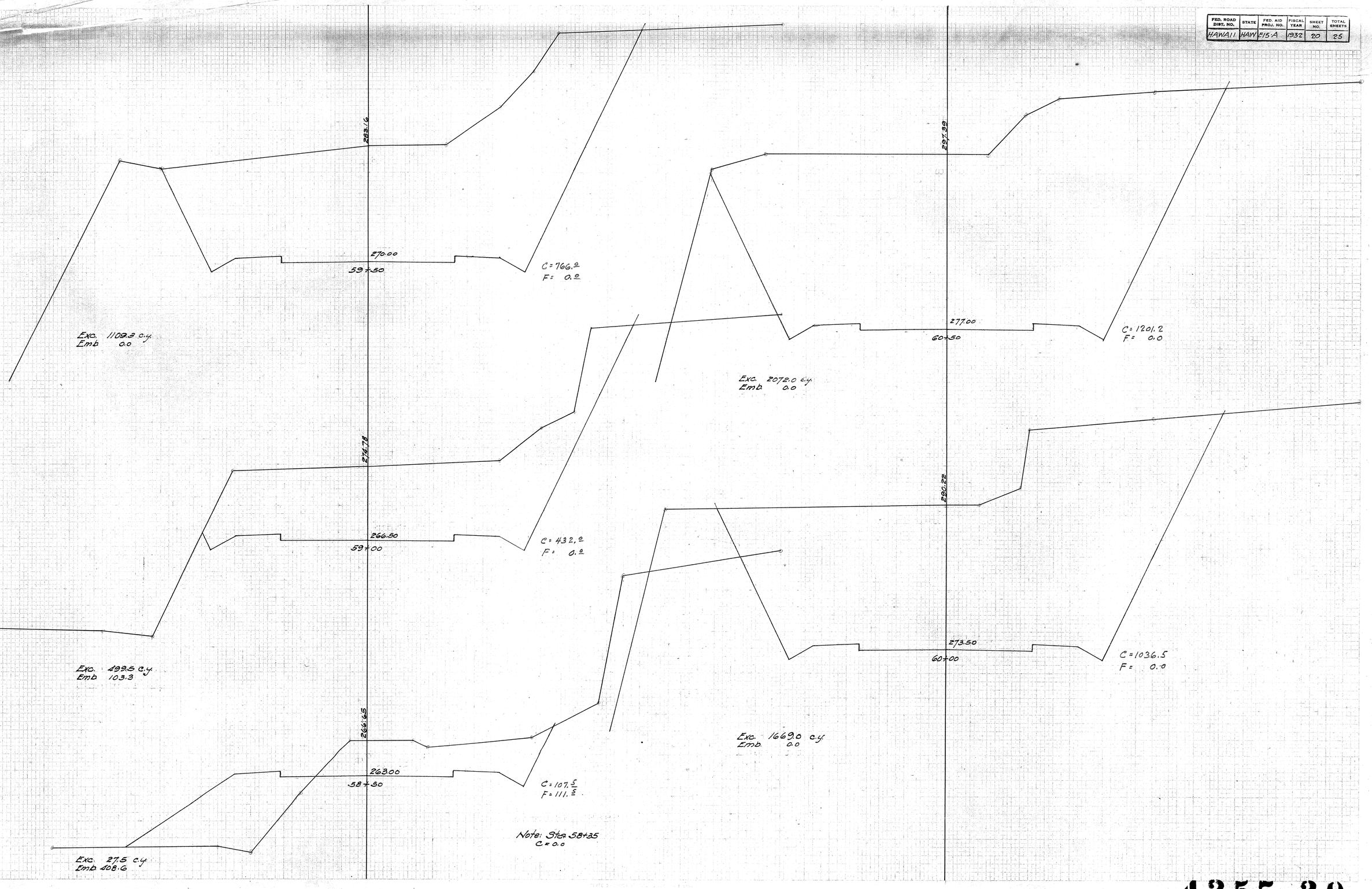
58+04.18

C = 0.2
F = 368.2

Exc. 0.0 c.y.
Emb. 1351.5

4257.19

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	E15-A	1932	20	25



4257.20

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	E-SA	1952	21	25

308.11

280+00

61+50

C = 1387.5
F = 0.2

Exc. 21339 c.y.
Emb. 0.0

317.80

291+00

62+50

C = 1585.2
F = 0.0

Exc. 2831.0 c.y.
Emb. 0.0

303.13

280+50

61+00

C = 1241.2
F = 0.2

Exc. 2261.3 c.y.
Emb. 0.0

312.92

287+50

62+00

C = 1472.3
F = 0.0

Exc. 2647.9 c.y.
Emb. 0.0

FINAL SURVEY
ORIGINAL SURVEY
NOTE BOOK
PAGE
NO.
DATE
CHECKED
TRACED
BLUE PRINTED
CHECKED

4257.21

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	E15-A	1932	22	25

325.71
297.92
63+50
C = 1581.5'
F = 0.2

Exc. 2966.9 c.y.
Emb. 0.0

329.65
303.10
64+50
C = 1353.2
F = 0.0

Exc. 2675.9 c.y.
Emb. 0.0

321.93
294.50
63+00
C = 1622.7
F = 0.0

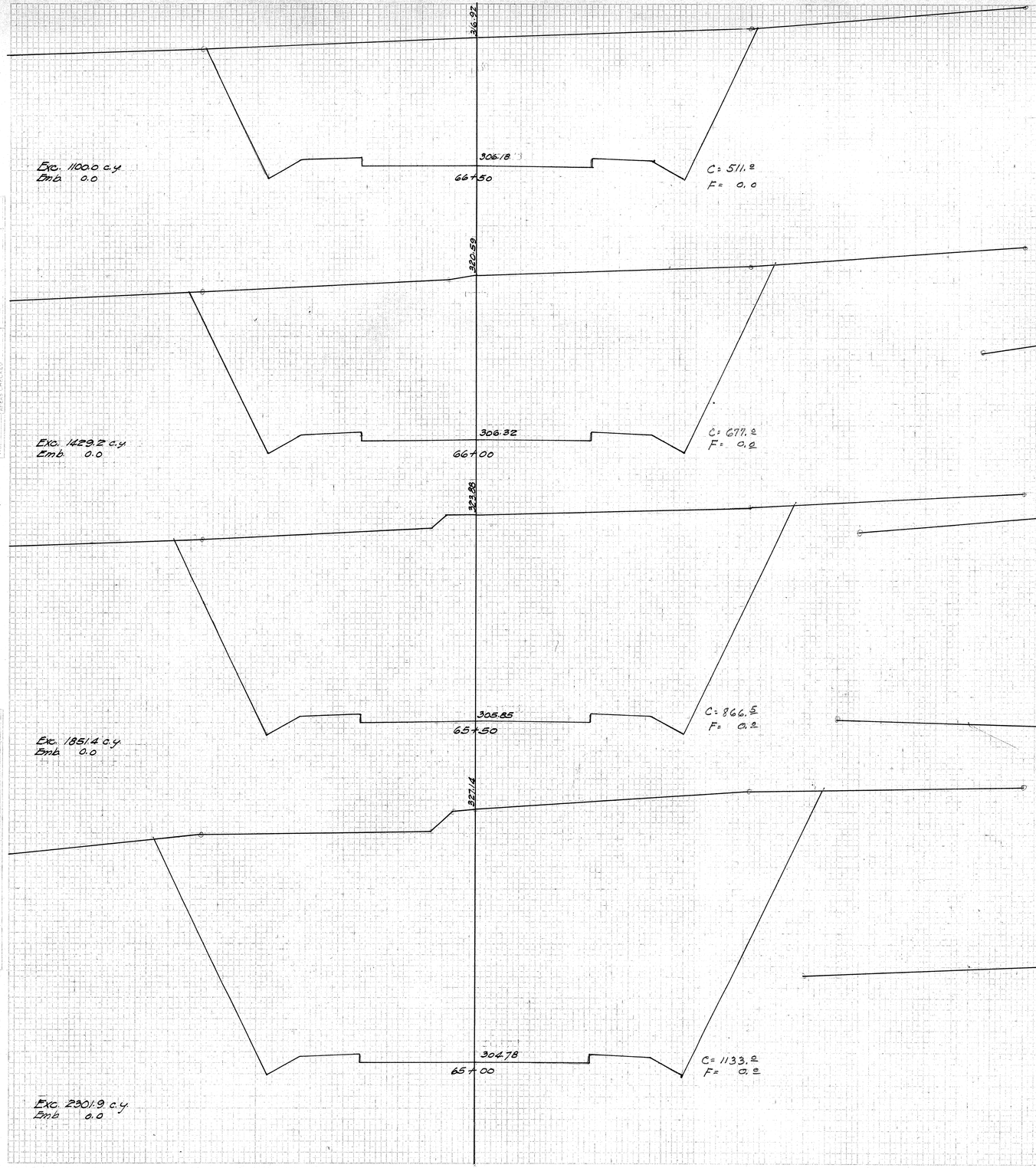
Exc. 2970.3 c.y.
Emb. 0.0

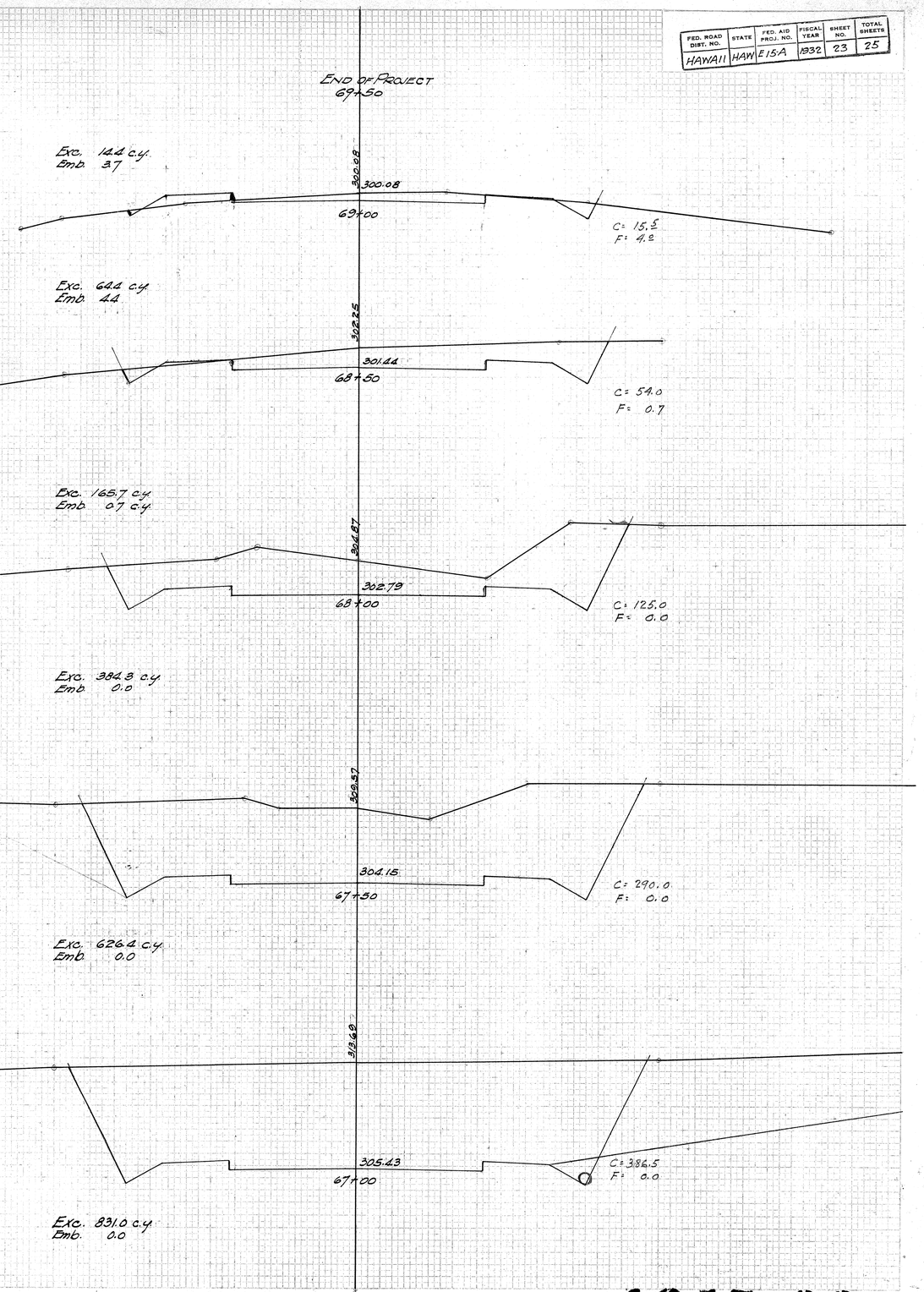
327.97
300.82
64+00
C = 1537.2
F = 0.0

Exc. 2887.5 c.y.
Emb. 0.0

4257.22

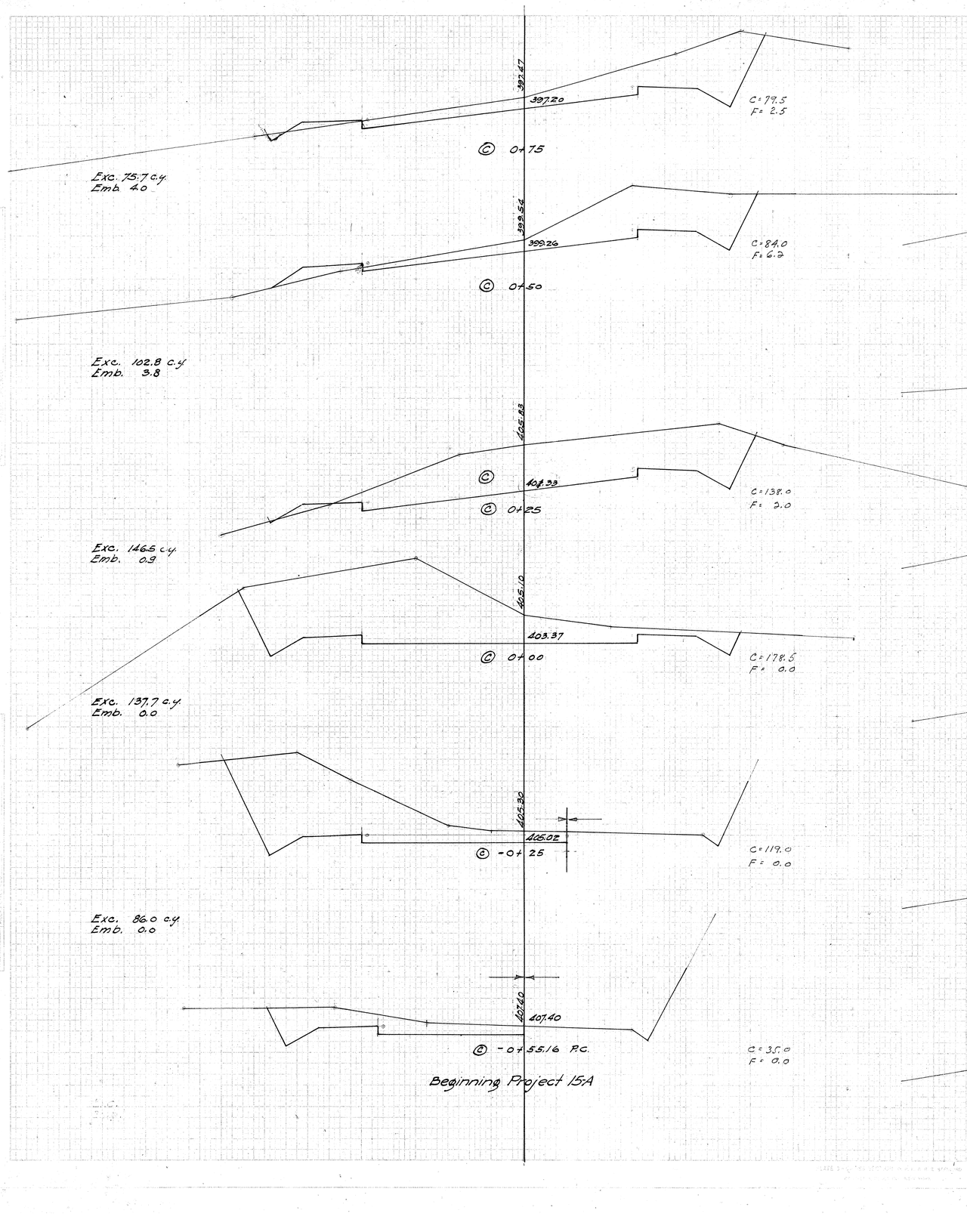
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	E15A	1932	23	25

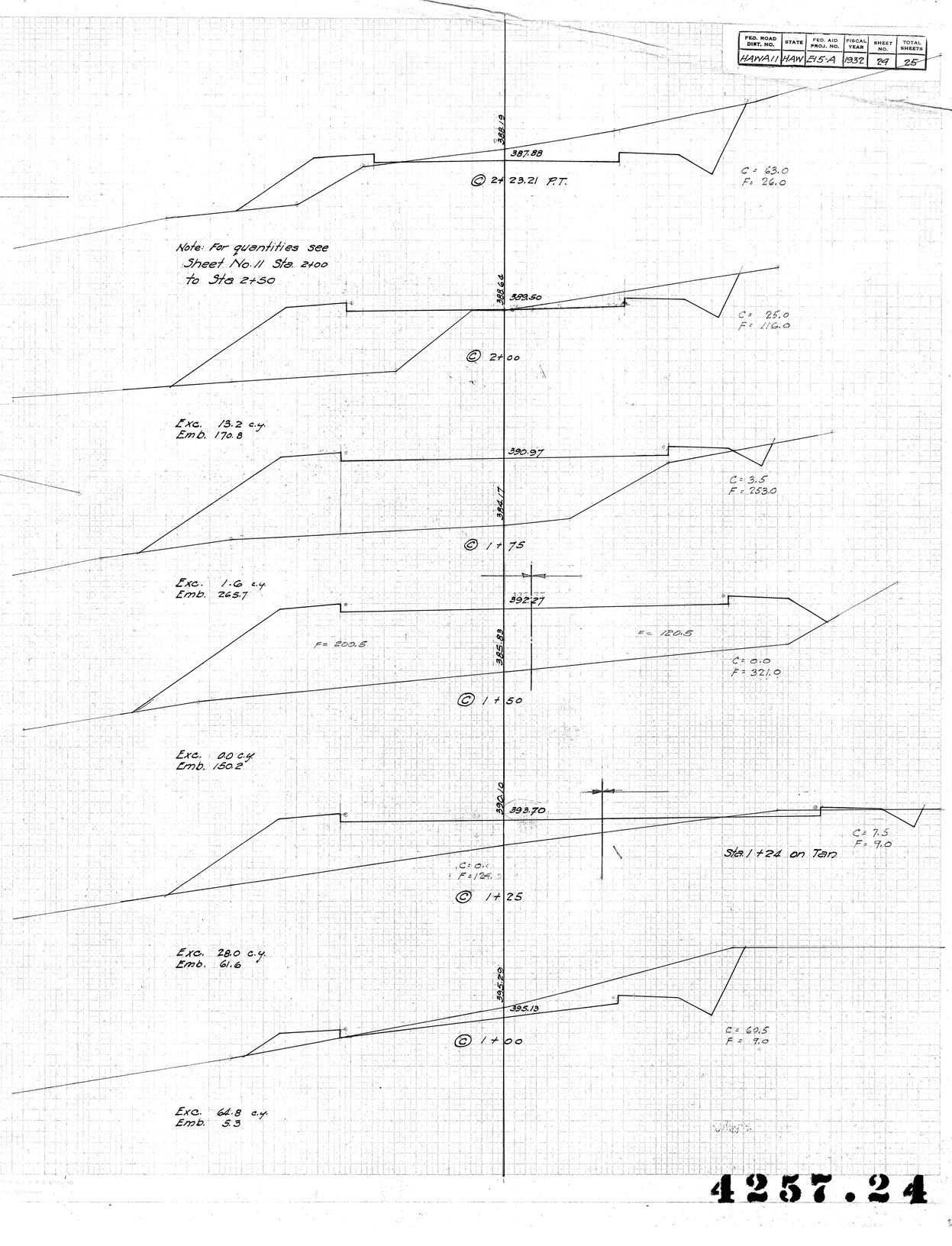




4257.23

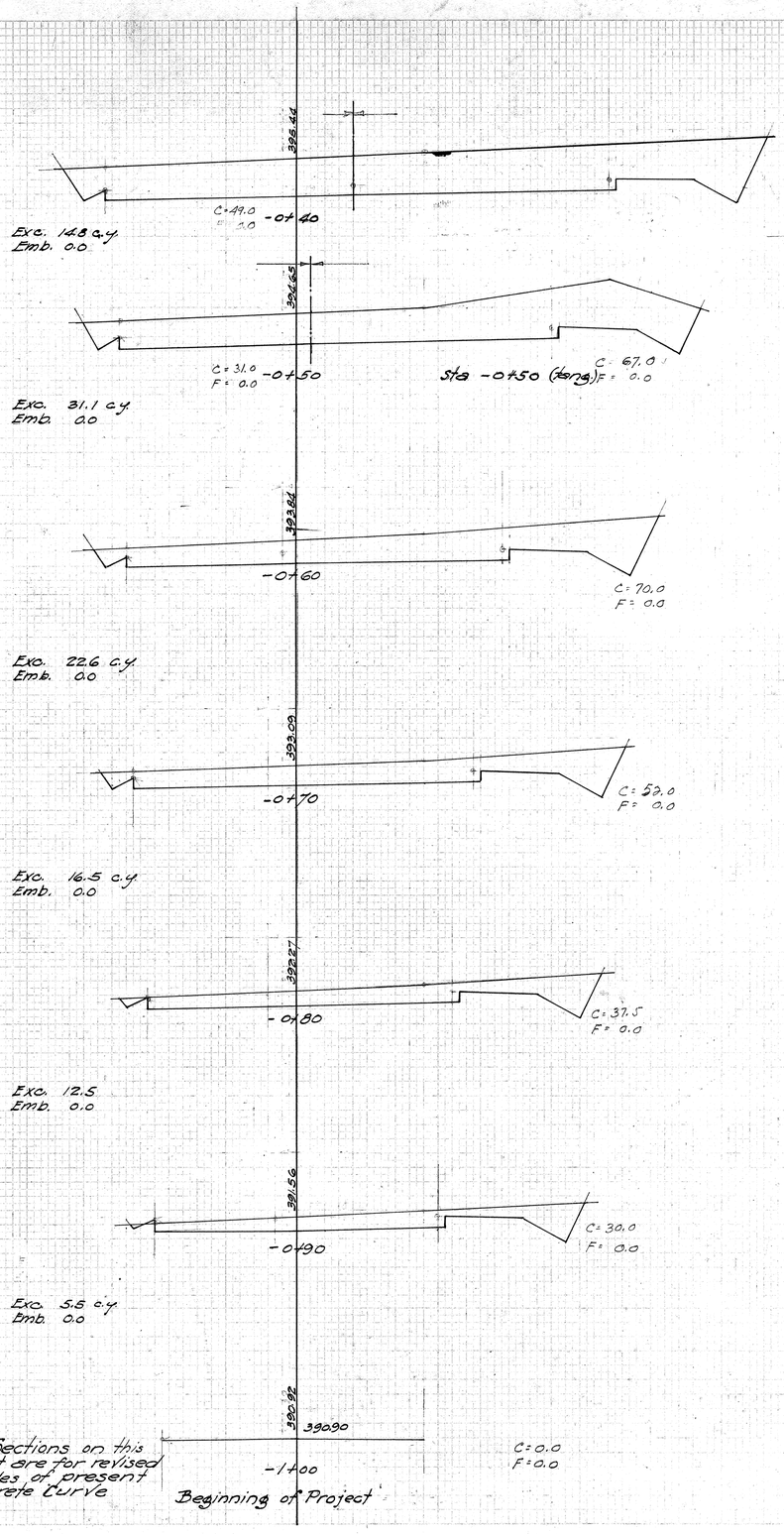
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	15-A	1932	24	25



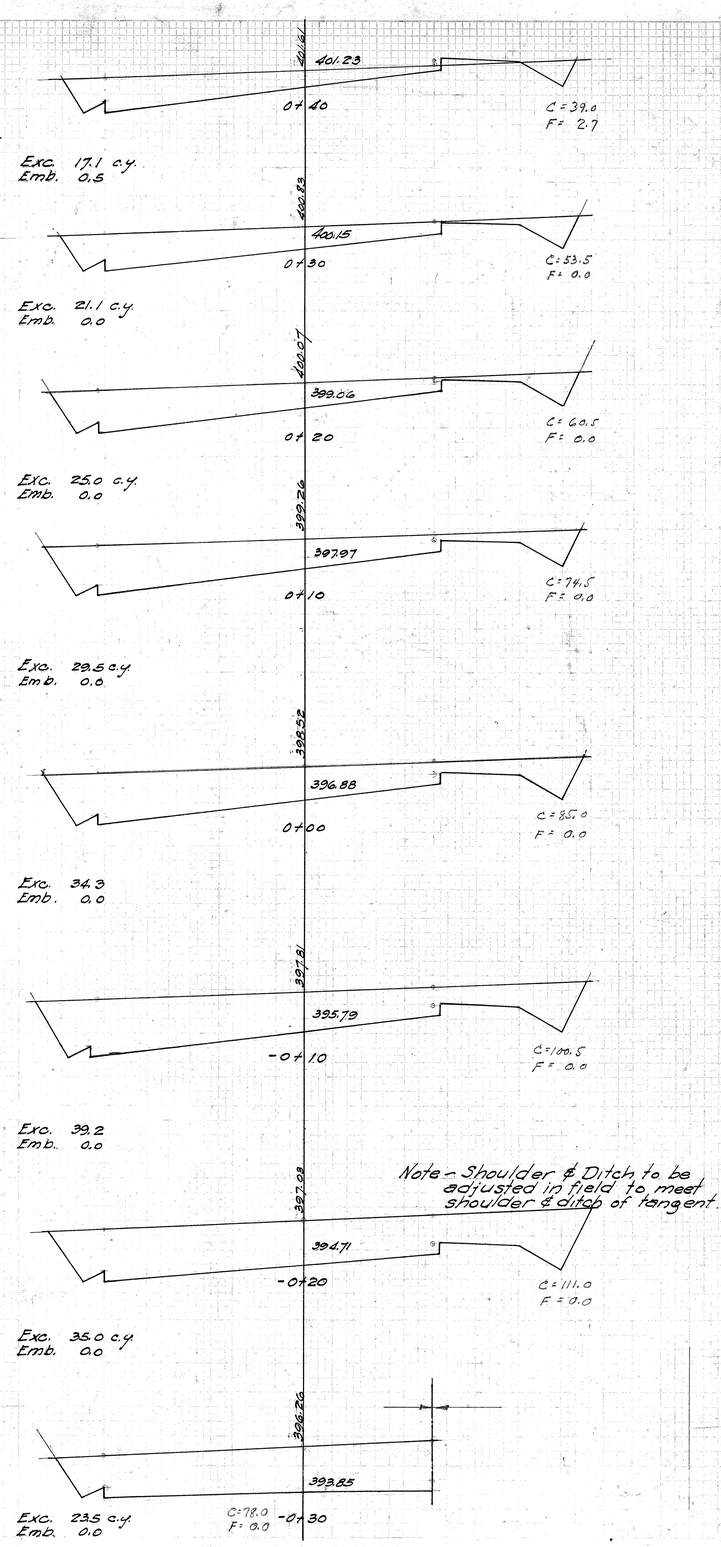


4257.24

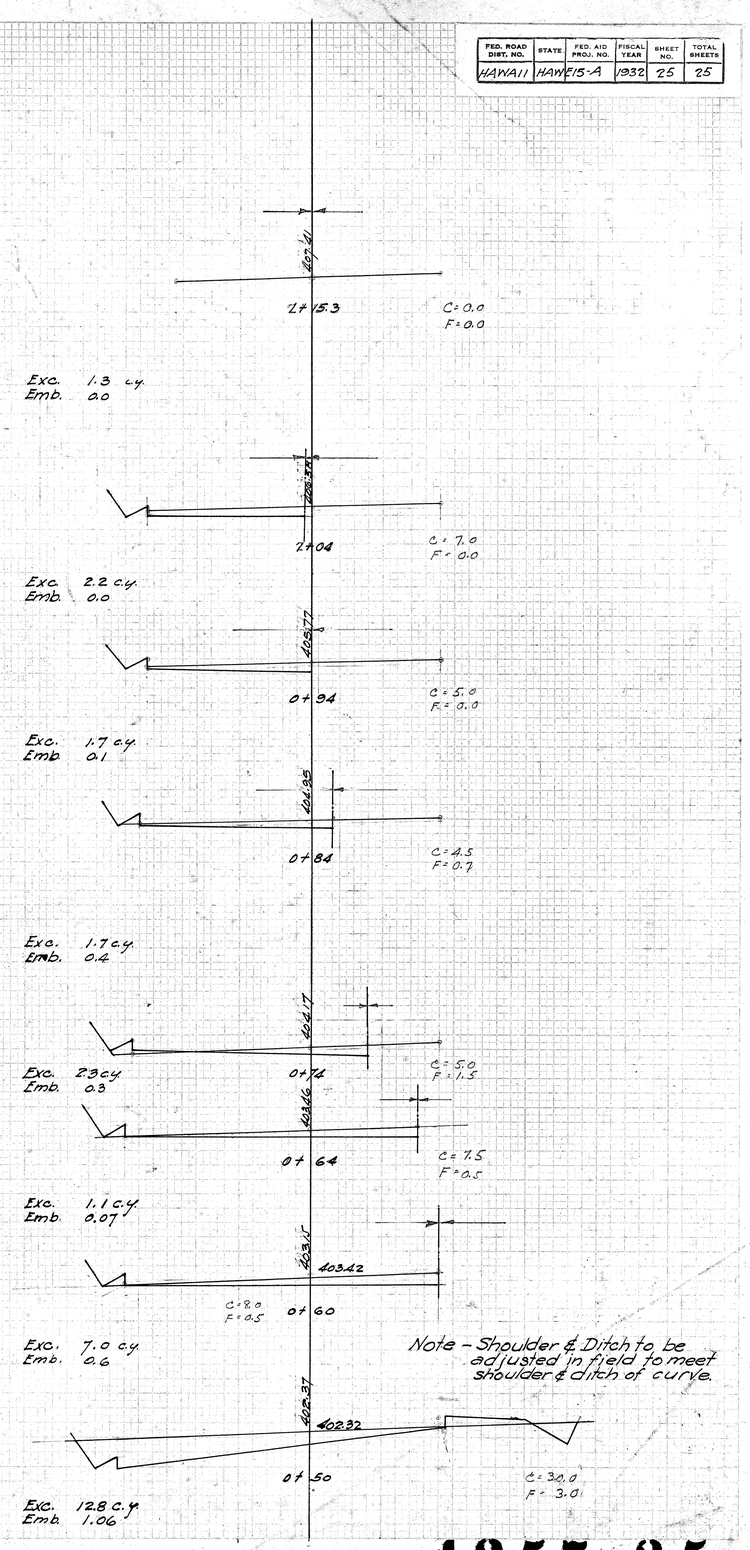
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	F15-A	1932	25	25



Note- Sections on this Sheet are for revised Grades of present Concrete Curve



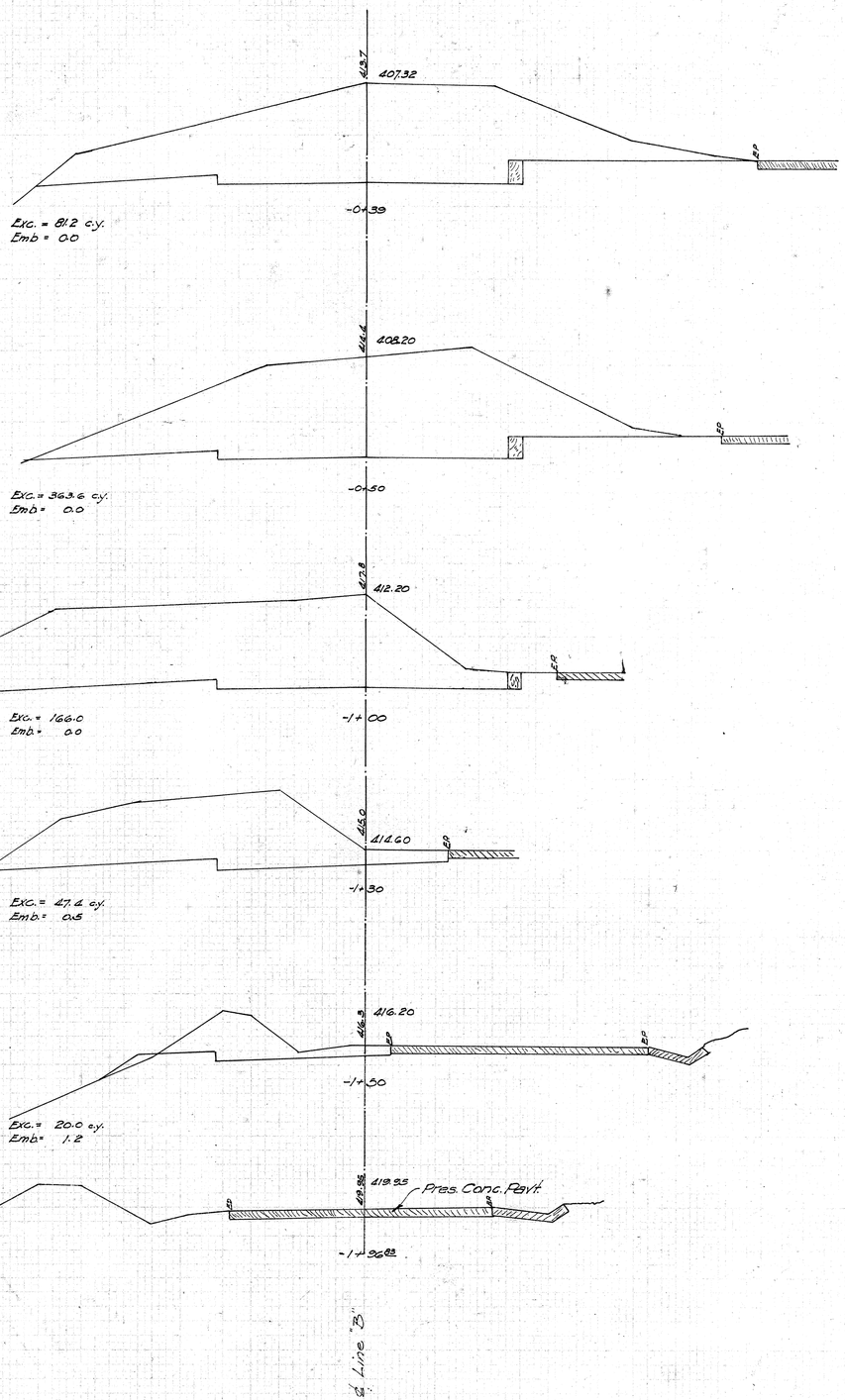
Note - Shoulder & Ditch to be adjusted in field to meet shoulder & ditch of tangent.

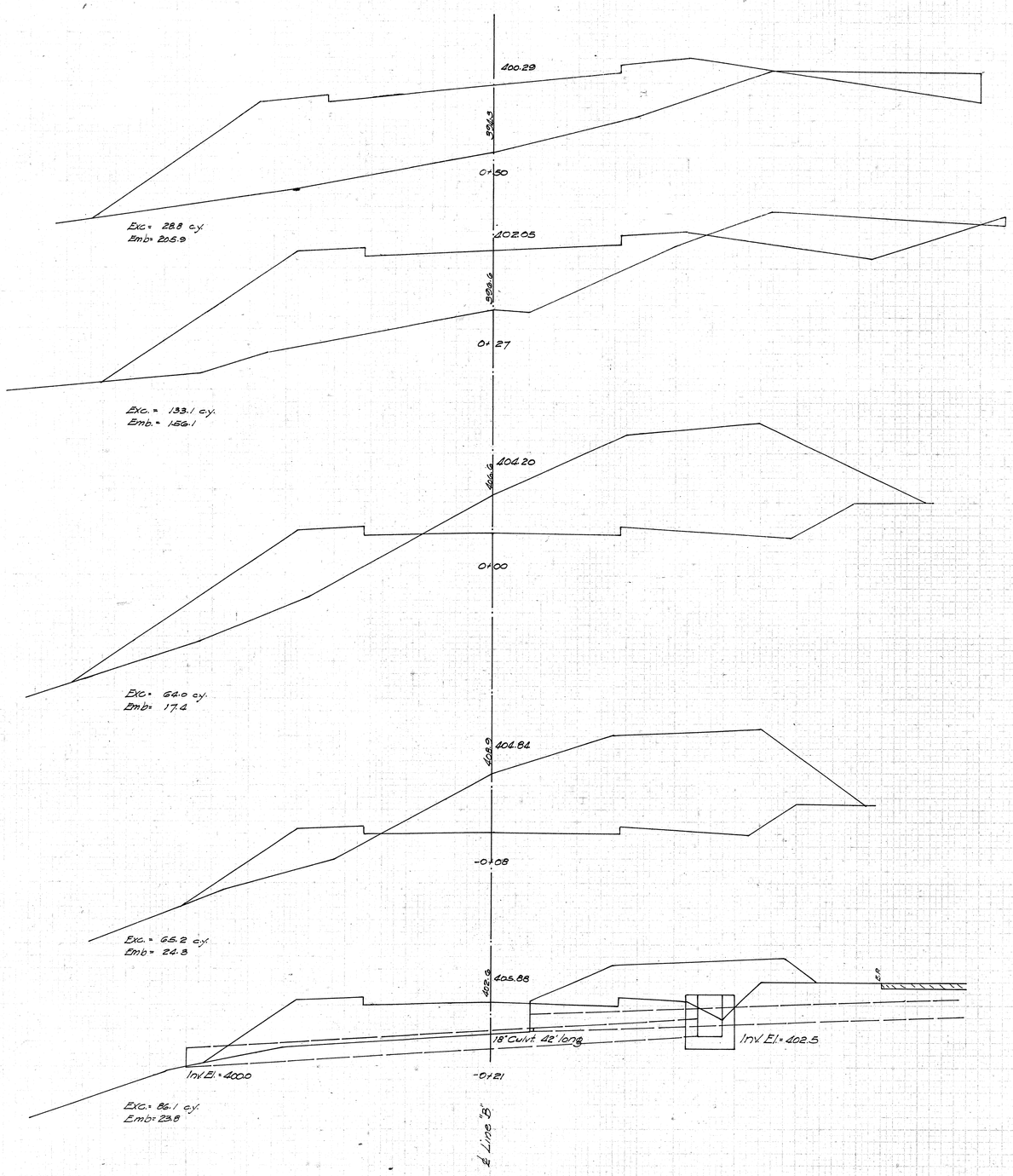


Note - Shoulder & Ditch to be adjusted in field to meet shoulder & ditch of curve.

4257.25

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	E-15-A	1952	25A	25





25A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	E-15-A	1932	25B	25

390.2
390.75
1+75
6" A.C.
Exc. = 2.2 c.y.
Emb = 264.1

392.66
387.9
1+50
6" A.C.
C.R.M. D.I. Inv. El. 389.3
18" Culv't 64' long
Inv. El. 374.0
394.57
385.5
Exc. = 0.9 c.y.
Emb = 347.6

1+25
396.48
388.8
Exc. = 0.0 c.y.
Emb. = 367.4

1+00
398.38
391.8
Exc. = 0.0 c.y.
Emb. = 322.8

0+75
6" Line D"
Exc. = 9.9 c.y.
Emb = 270.0

6" A.C.
383.3
383.99
P.T. 2+78.72
Exc. = 12.1 c.y.
Emb = 0.6

384.6
385.97
6"
2+50
Exc. = 0.8 c.y.
Emb = 12.3

386.6
387.81
6"
2+25
Exc. = 0.2 c.y.
Emb = 84.7

388.7
389.28
6"
2+00
Exc. = 1.3 c.y.
Emb = 183.9
6" B

25 B

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	E-16A	1932	25C	25

Conc Parking "C"

C=3.9

Pyramid 22.0 ft.

Exc.= 85.6 c.y.
Emb.= 0.0

394.4

398.00

0+13

C=0° F=11'

Exc.= 6.8 c.y.
Emb.= 131.9

See Section "B"

Exc.= 350.0 c.y.
Emb.= 17.7

Wedge 15 ft.

C=12.5

F=6

Exc.= 0.0 c.y.
Emb.= 97.2

Wedge 50 ft.

394.3

397.75

F=10'

0+63

394.1

396.43

-0+25

Exc.= 0.0 c.y.
Emb.= 93.3

See Section "B"

Exc.= 81.0 c.y.
Emb.= 1.4

Exc.= 0.0 c.y.
Emb.= 55.4

R=72.0
E=0.0

C=7.2

394.4

398.08

F=11'

0+50

394.75

-0+50

C=0.0°
F=0.0

Exc.= 245.8 c.y.
Emb.= 0.0

Exc.= 0.0 c.y.
Emb.= 101.4

392.78

392.78

-0+75

Conc Parking "C"

C=37.5

394.4

398.09

F=12'

0+27

391.91

390.91

-1+00

Exc.= 159.2 c.y.
Emb.= 0.0

Exc.= 0.0 c.y.
Emb.= 60.9

PLATE 3 - CROSS SECTION OF T.H.R.R.R.E. STANDARD
KELLYVILLE & ESSER CO., NEW YORK

78 C