FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0860(8) UNIT 2	1968	61	105

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

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

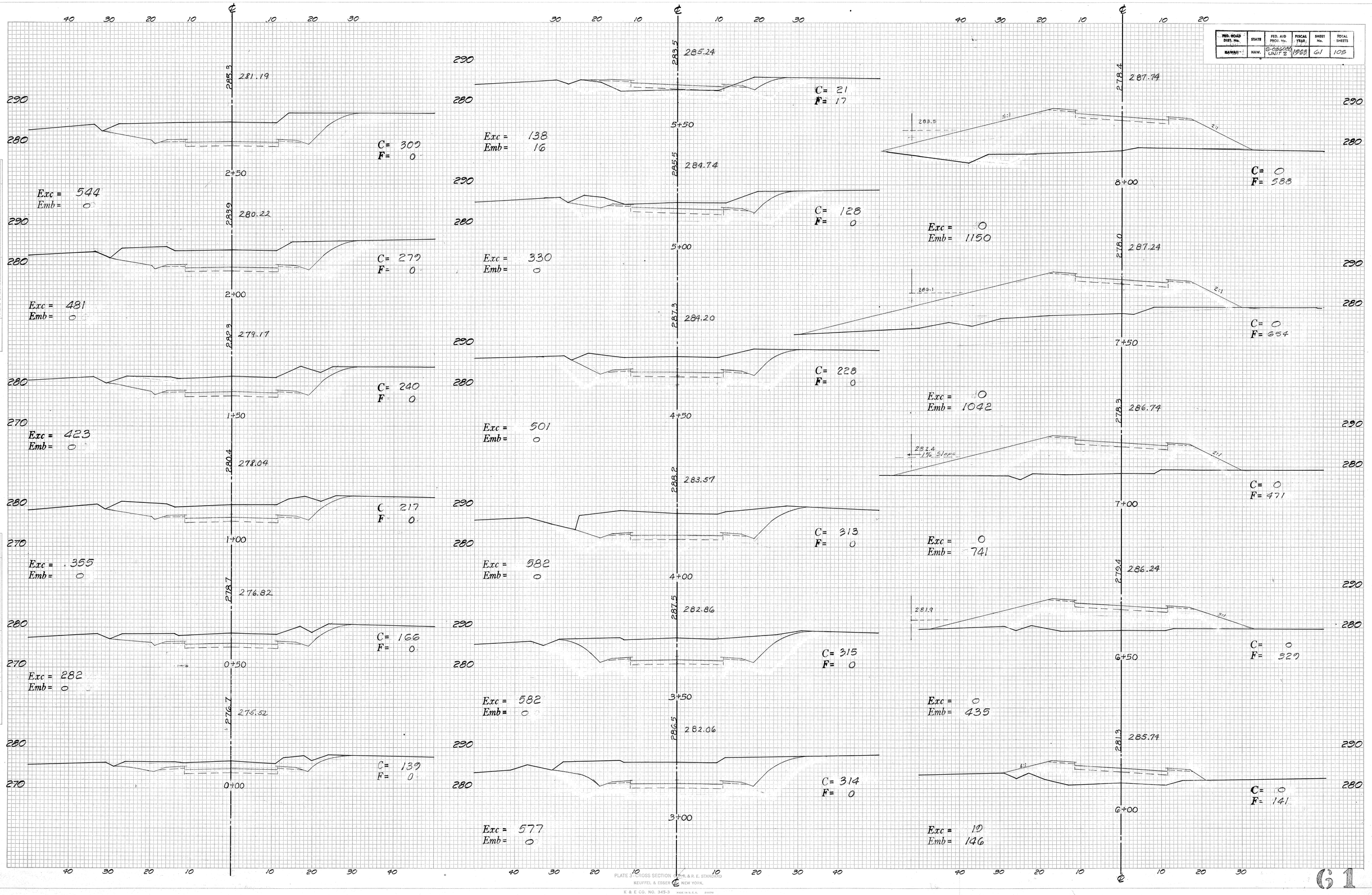


PLATE 3 CROSS SECTION
H. R. & R. E. STANSFIELD
KEUFFEL & ESSER ℄ NEW YORK.

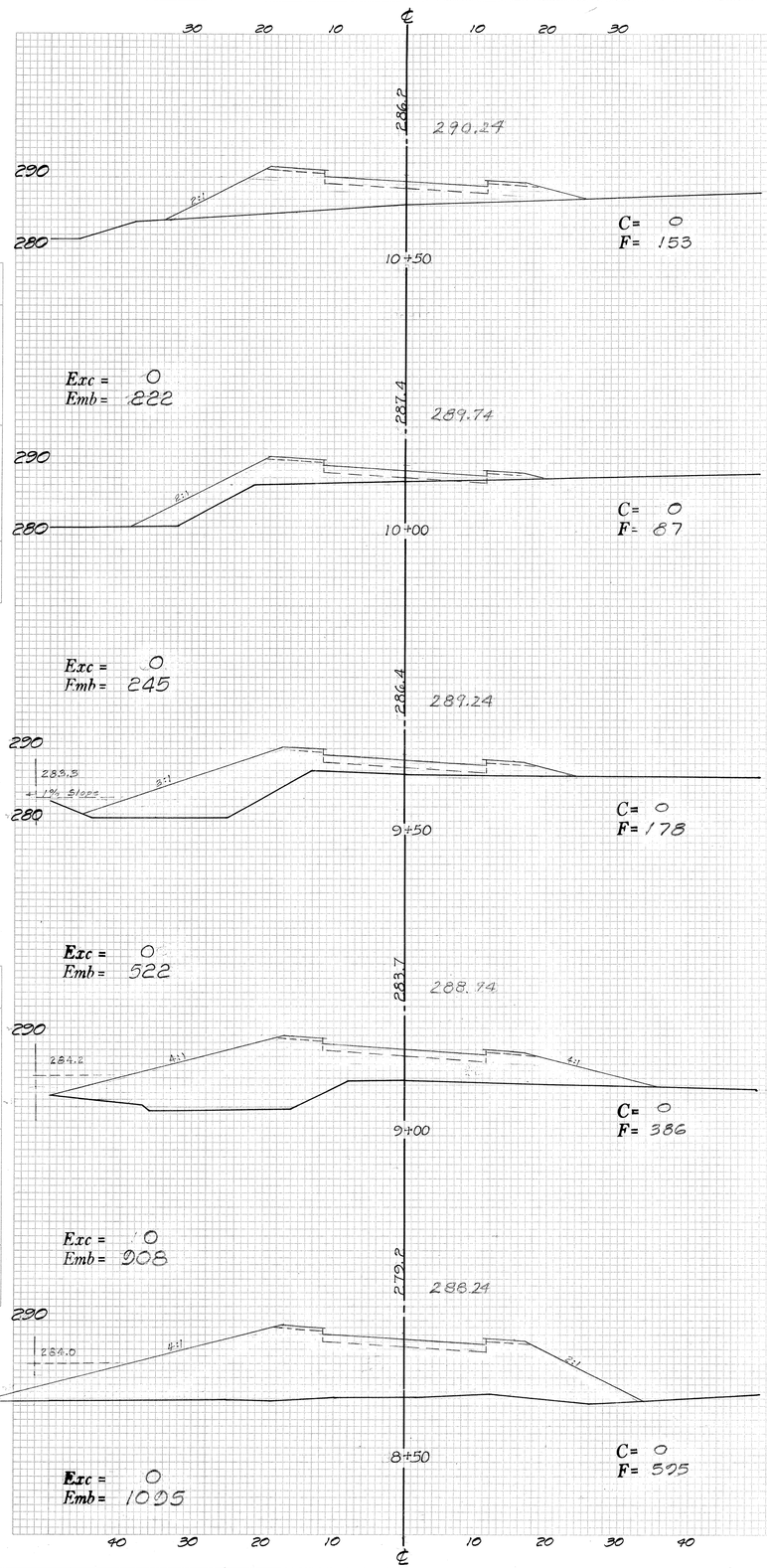
K & E CO. NO. 345-3 MADE IN U.S.A. 21070

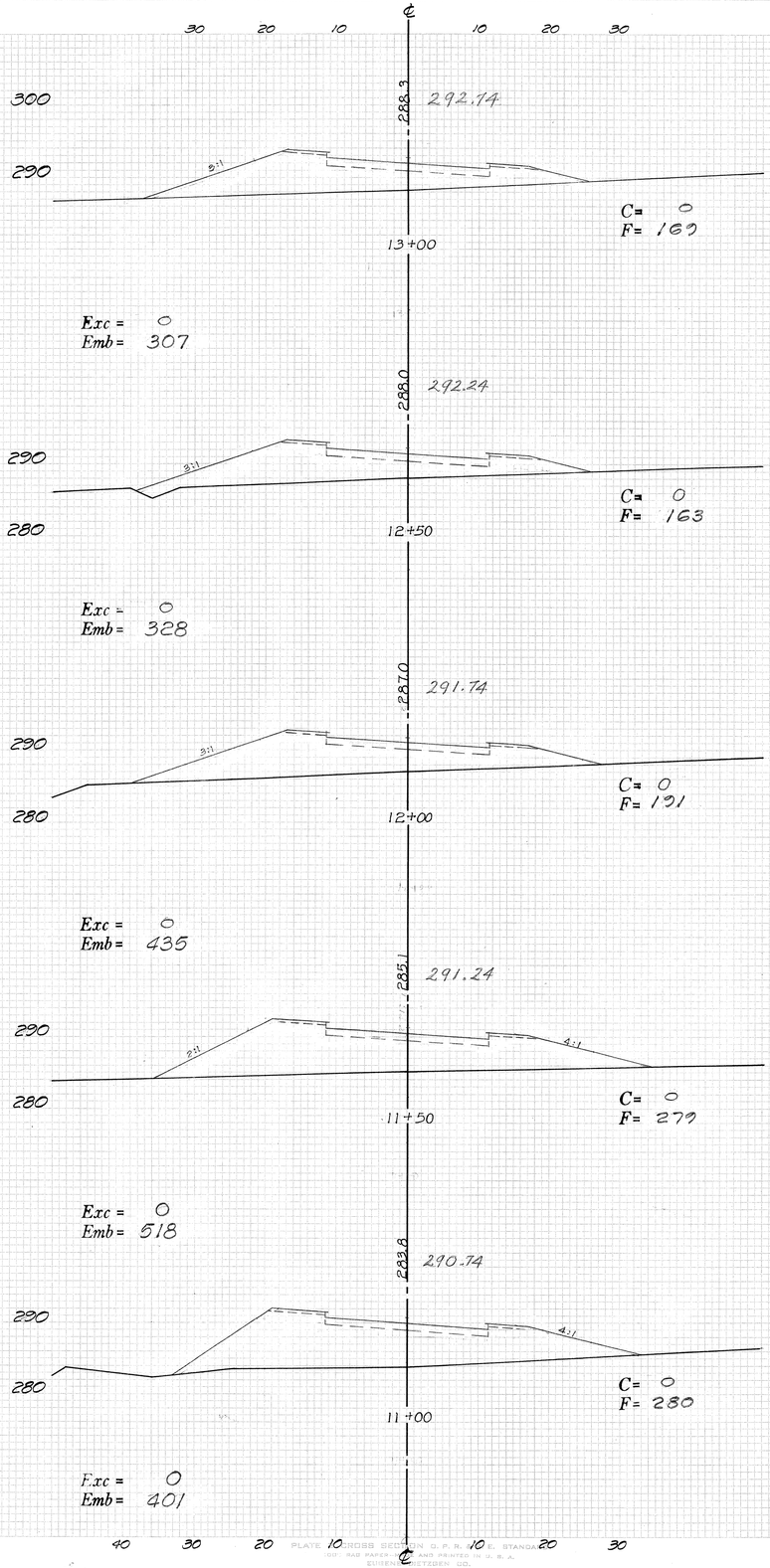
61

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0860(10) UNIT 2	1963	62	105

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

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





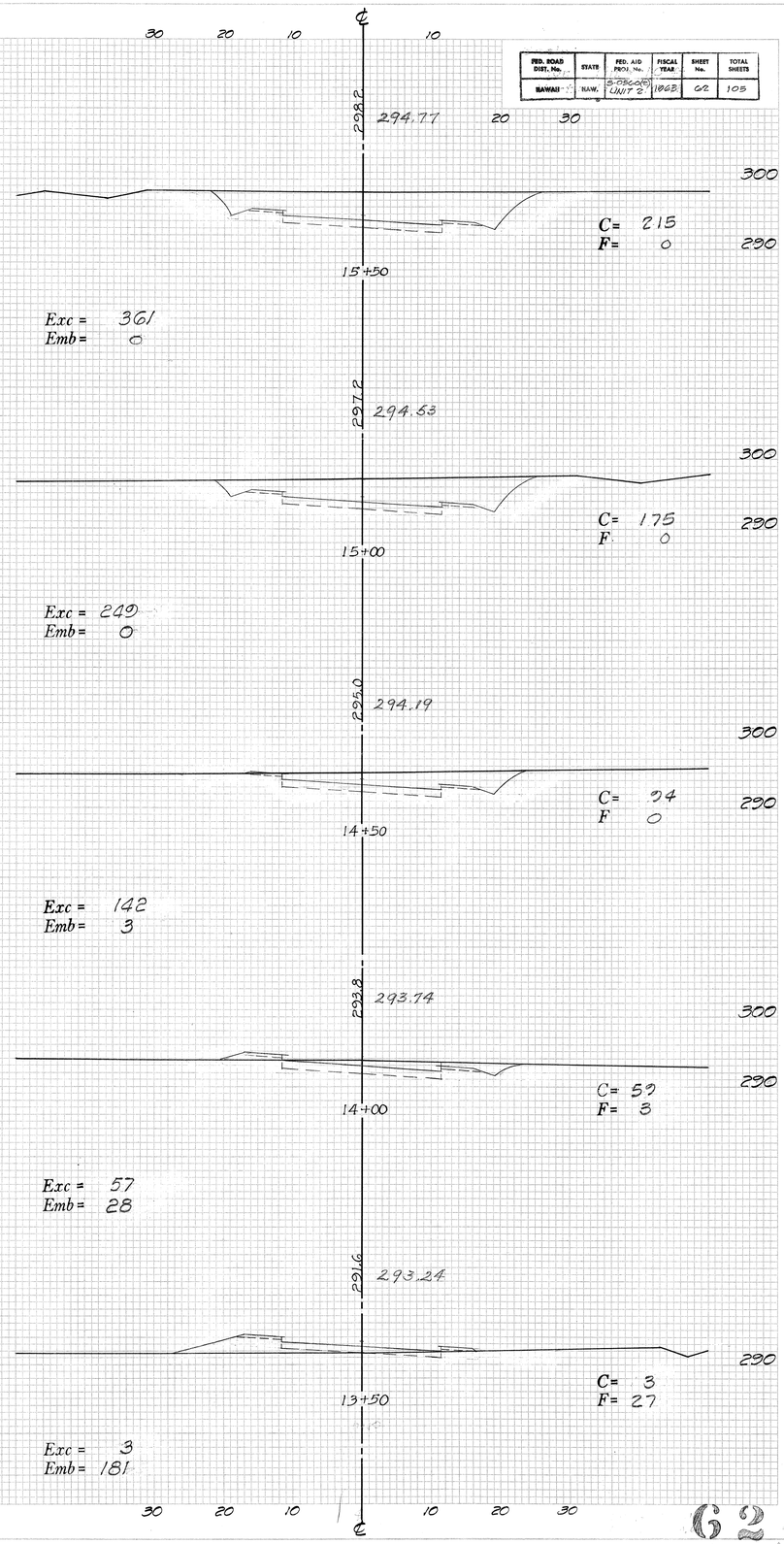
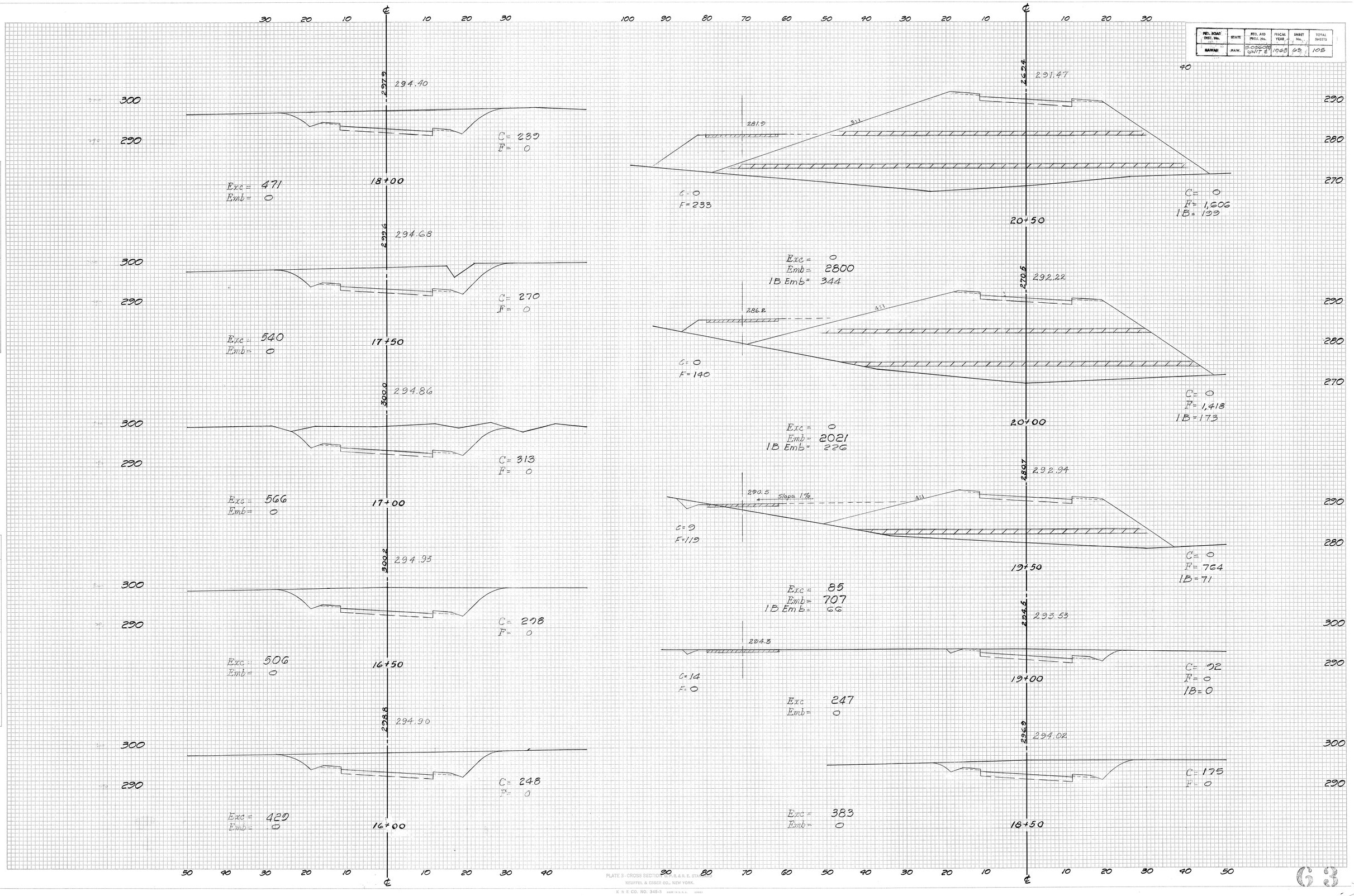


PLATE CROSS SECTION O. P. R. & E. STANDARD
100 RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

62

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1968	63	105



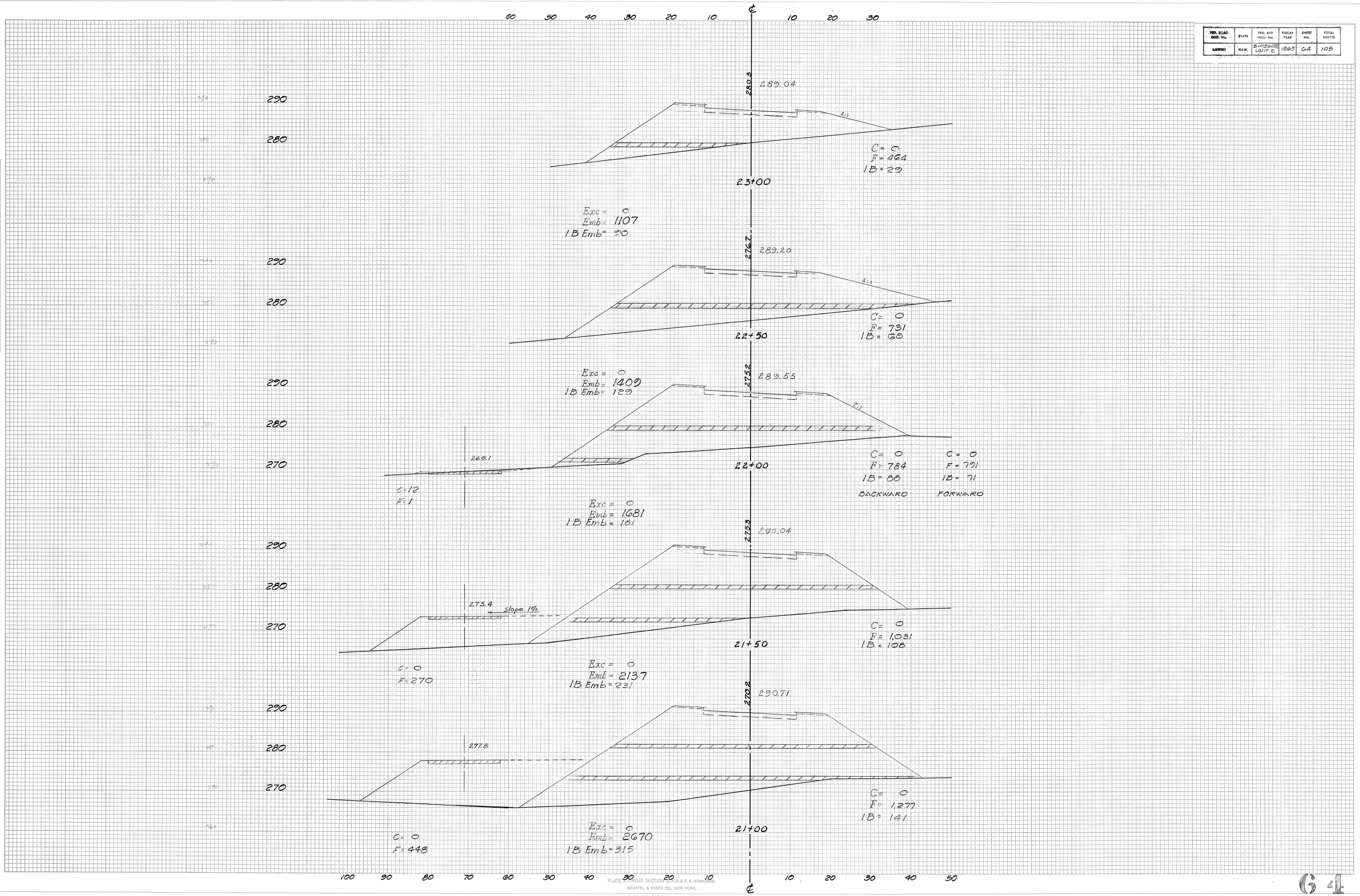
FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 3 - CROSS SECTION C.P.R.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3

63

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	64	105



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

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

PLATE 3 - CROSS SECTION O.P.R.&R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3 MADE IN U.S.A. 23661

64

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(6) UNIT 2	1963	65	105

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

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

30 20 10 ℄ 10 20 30
299.0 290.72
300 290
C= 478
F= 0
25+50
Exc = 857
Emb = 0

297.8 290.05
300 290
C=448
F= 0
25+00
Exc = 734
Emb = 0

296.0 289.55
300 290
C= 345
F= 0
24+50
Exc = 523
Emb = 0

293.1 289.21
300 290
C= 220
F= 0
24+00
Exc = 206
Emb = 108

286.2 289.05
290 280
C= 3
F= 117
IB = 0
23+50
Exc = 3
Emb = 538
IB Emb = 27

40 30 20 10 ℄ 10 20 30 40

40 30 20 10 ℄ 10 20 30
291.2 296.60
300 290
C= 0
F= 223
28+00
Exc = 109
Emb = 206

296.1 295.09
300 290
C= 118
F= 0
27+50
Exc = 425
Emb = 0

299.7 293.74
300 290
C= 341
F= 0
27+00
Exc = 733
Emb = 0

300.5 292.57
300 290
C= 451
F= 0
26+50
Exc = 858
Emb = 0

292.2 291.56
300 290
C= 476
F= 0
26+00
Exc = 883
Emb = 0

30 20 10 ℄ 10 20 30

40 30 20 10 ℄ 10 20
295.0 306.66
30
300 290
Inv. = 294.3
C= 10
F= 579
30+50
Exc = 44
Emb = 873

296.7 304.32
300 290
C= 38
F= 364
Inv. = 295.8
30+00
Exc = 87
Emb = 467

298.6 302.13
300 290
C= 56
F= 140
Inv. = 295.0
29+50
Exc = 103
Emb = 242

296.7 300.12
300 290
Inv. = 296.0
C= 55
F= 121
29+00
Exc = 56
Emb = 306

293.2 298.28
300 290
Inv. = 296.1
C= 6
F= 209
28+50
Exc = 6
Emb = 400

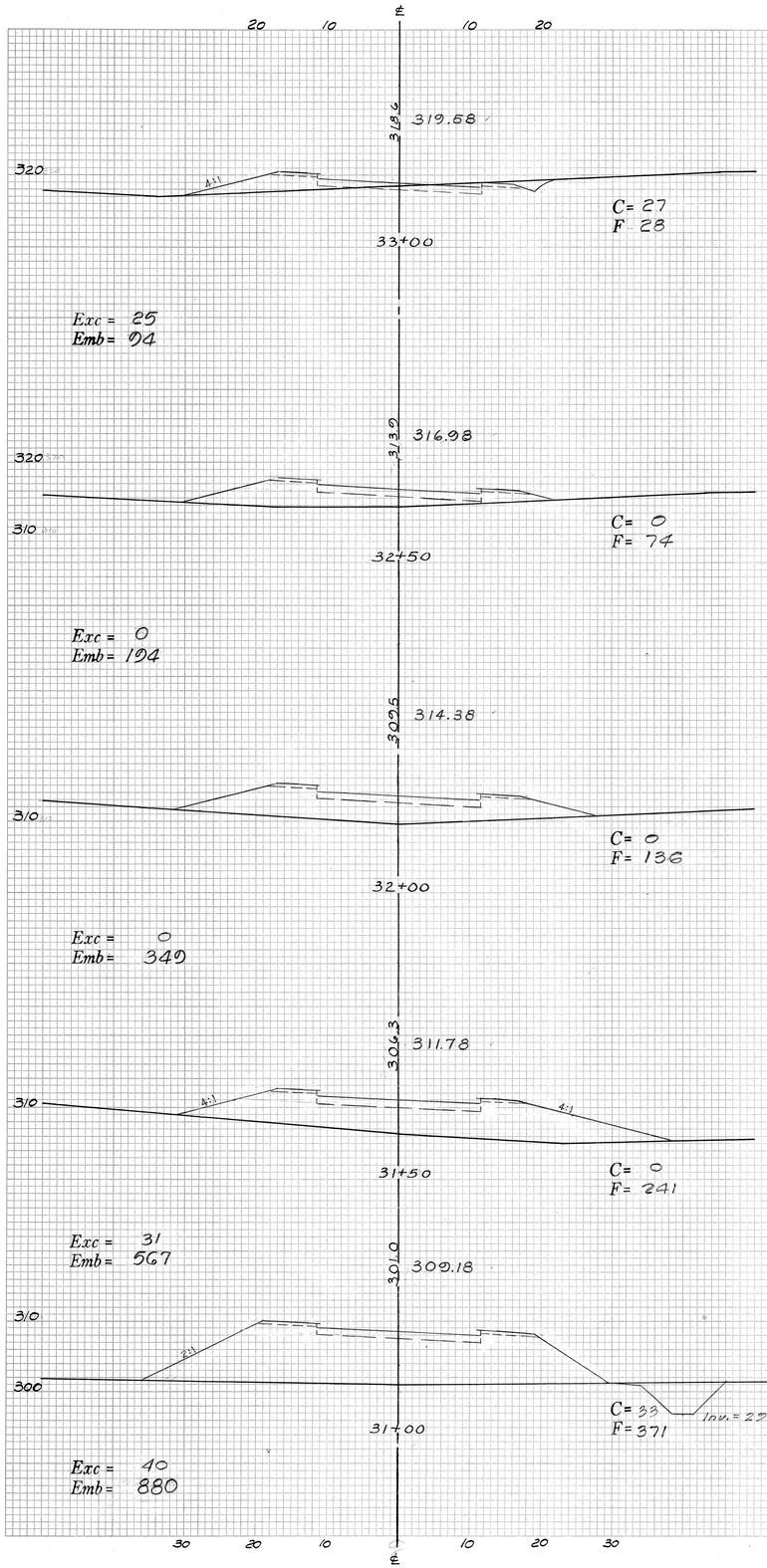
30 20 10 ℄ 10 20 30 40 50

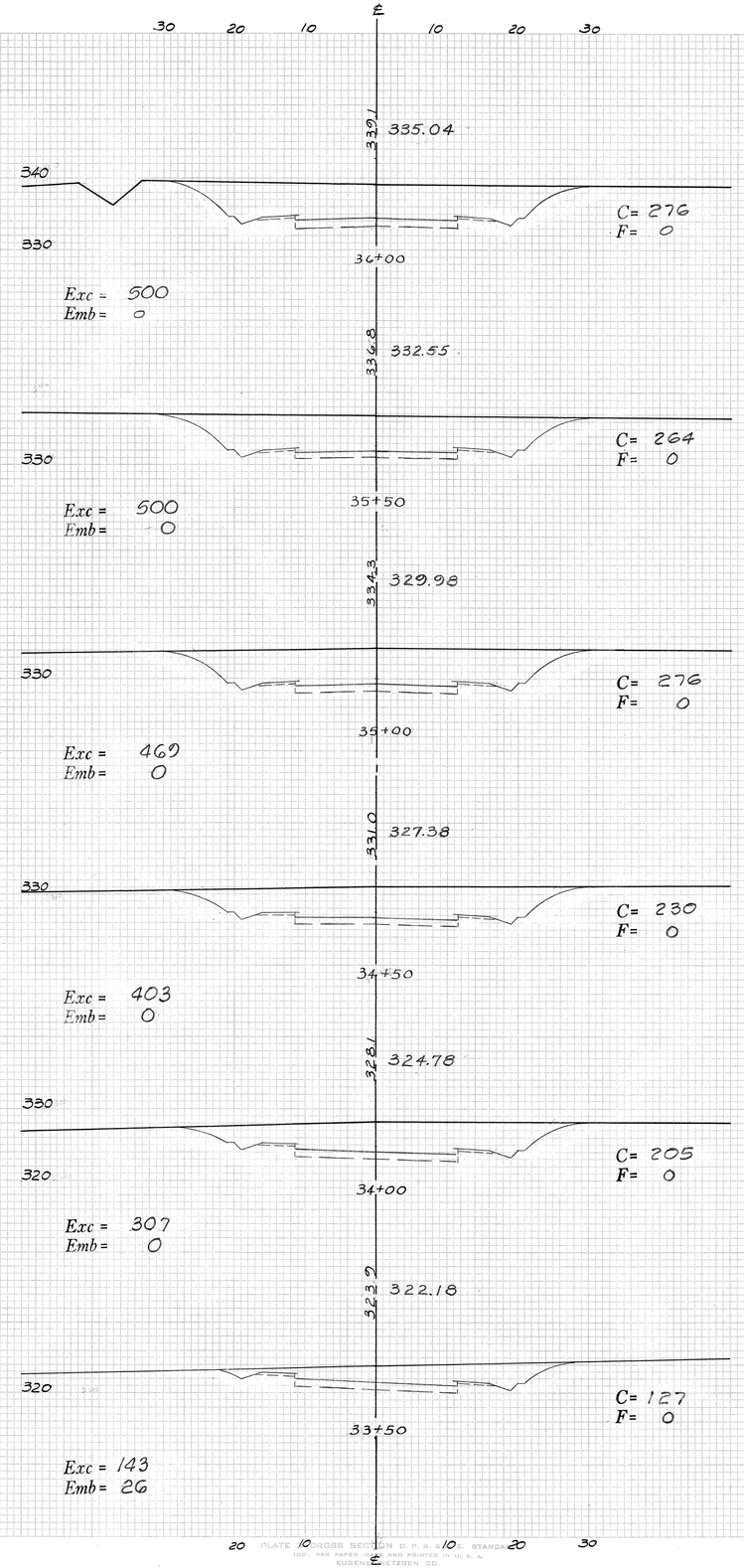
PLATE 10 CROSS SECTION C. P. R. R. E. STANDARD
1931 - 11 x 17 PAPER - PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	66	105

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

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





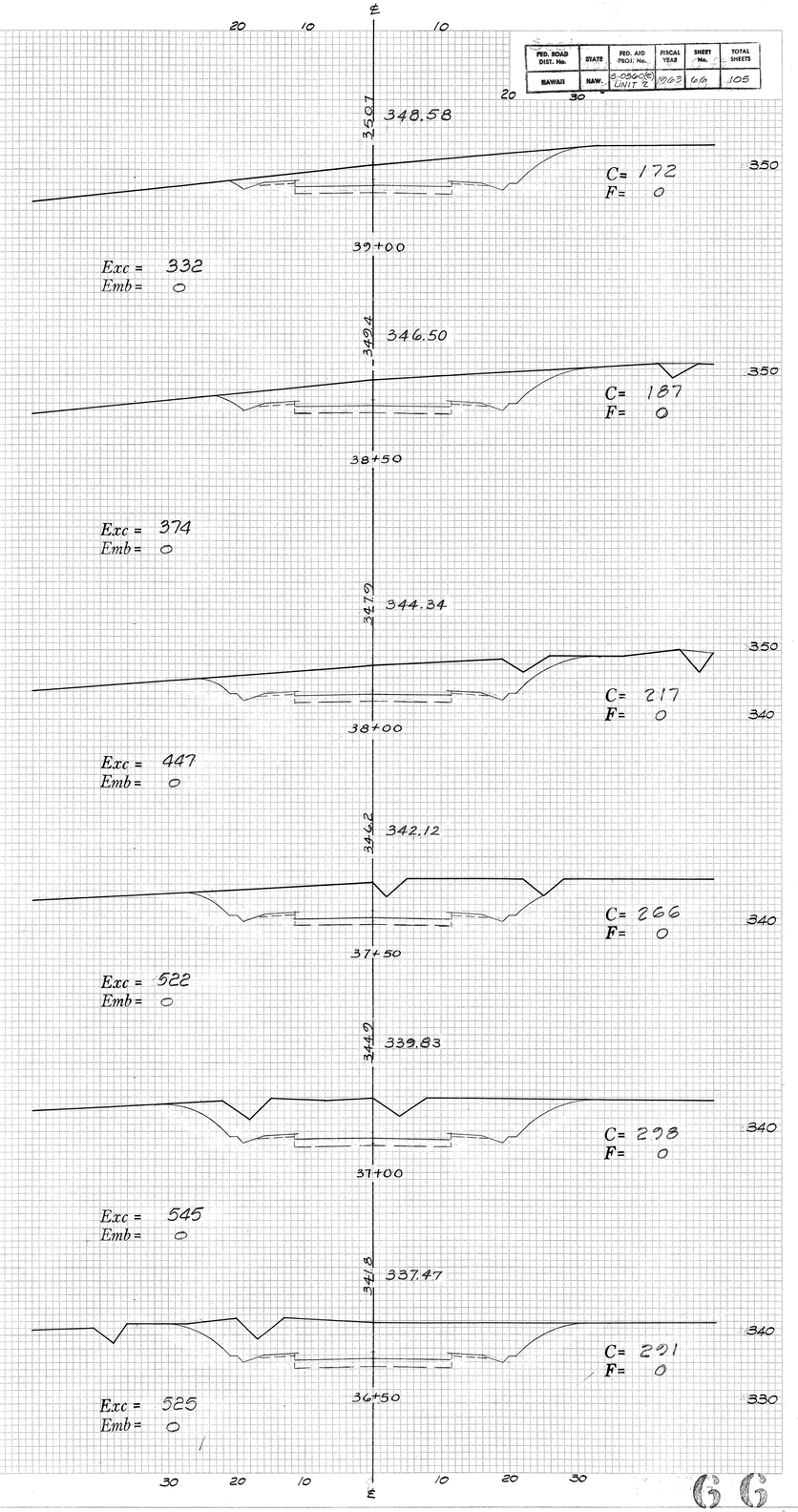
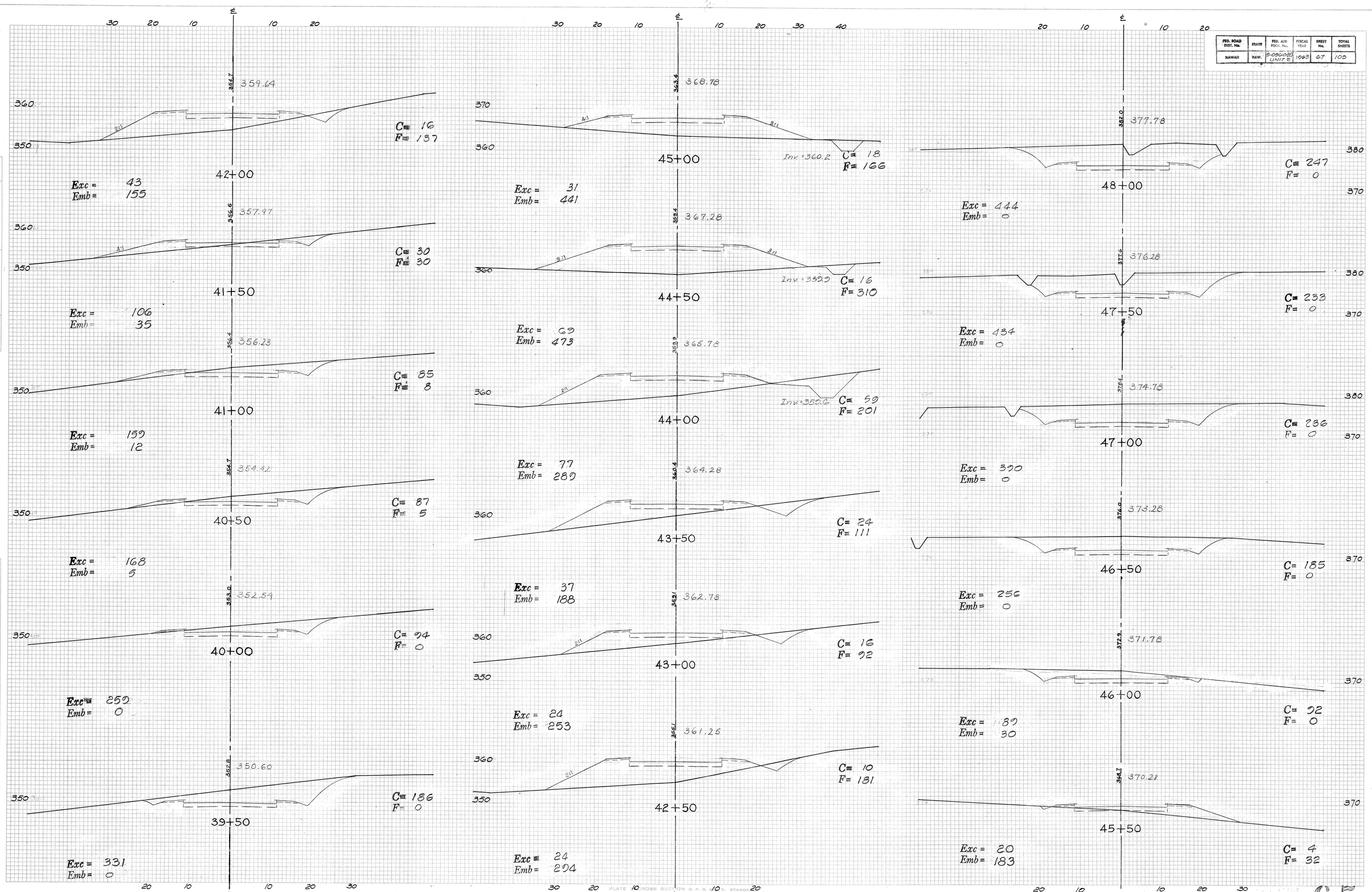


PLATE 10 CROSS SECTION G. P. R. STANDARD
1957 HAS PAPER HAND AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1963	67	105



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

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

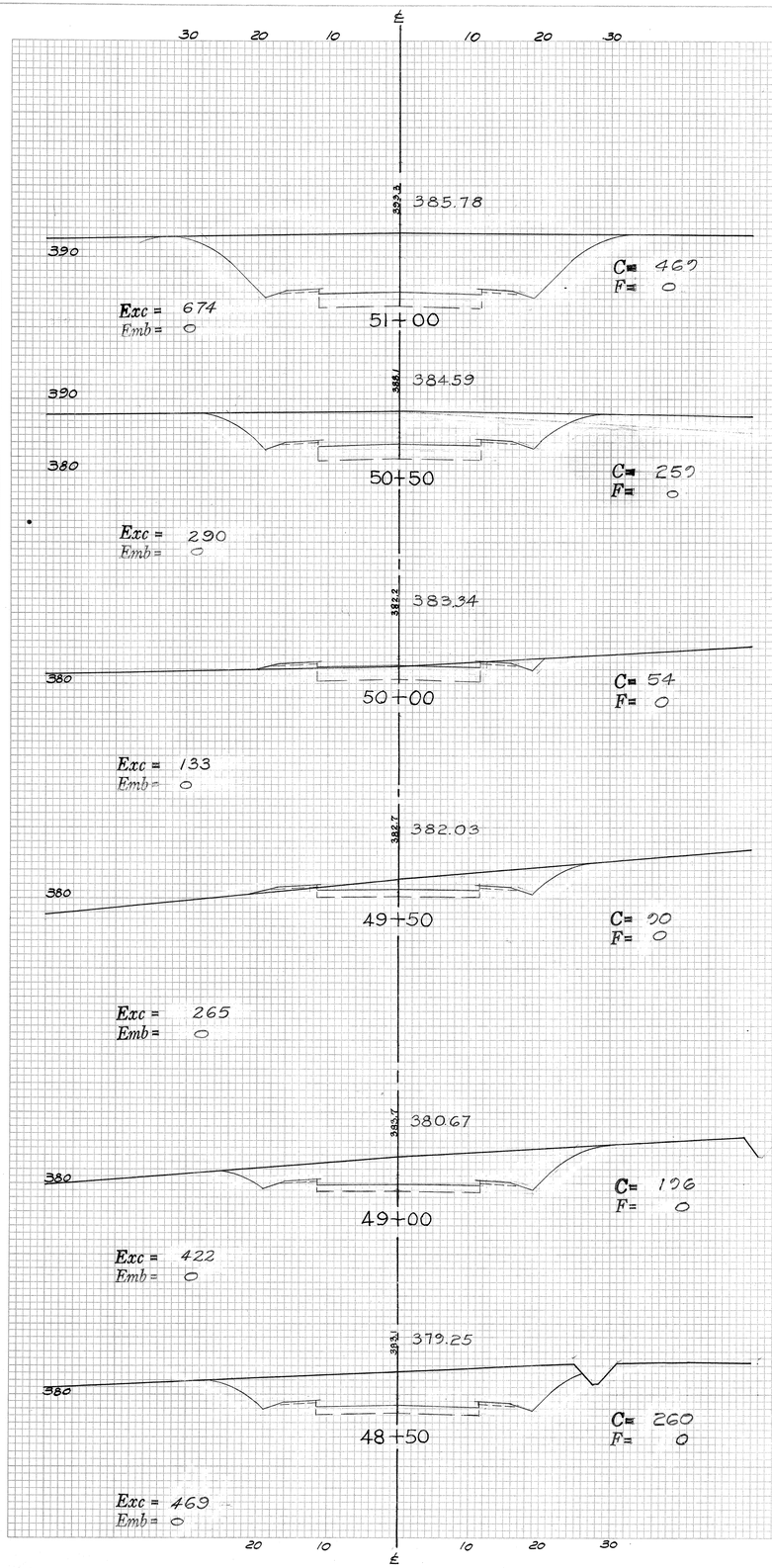
PLATE 1 CROSS SECTION C. P. R. 8 E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

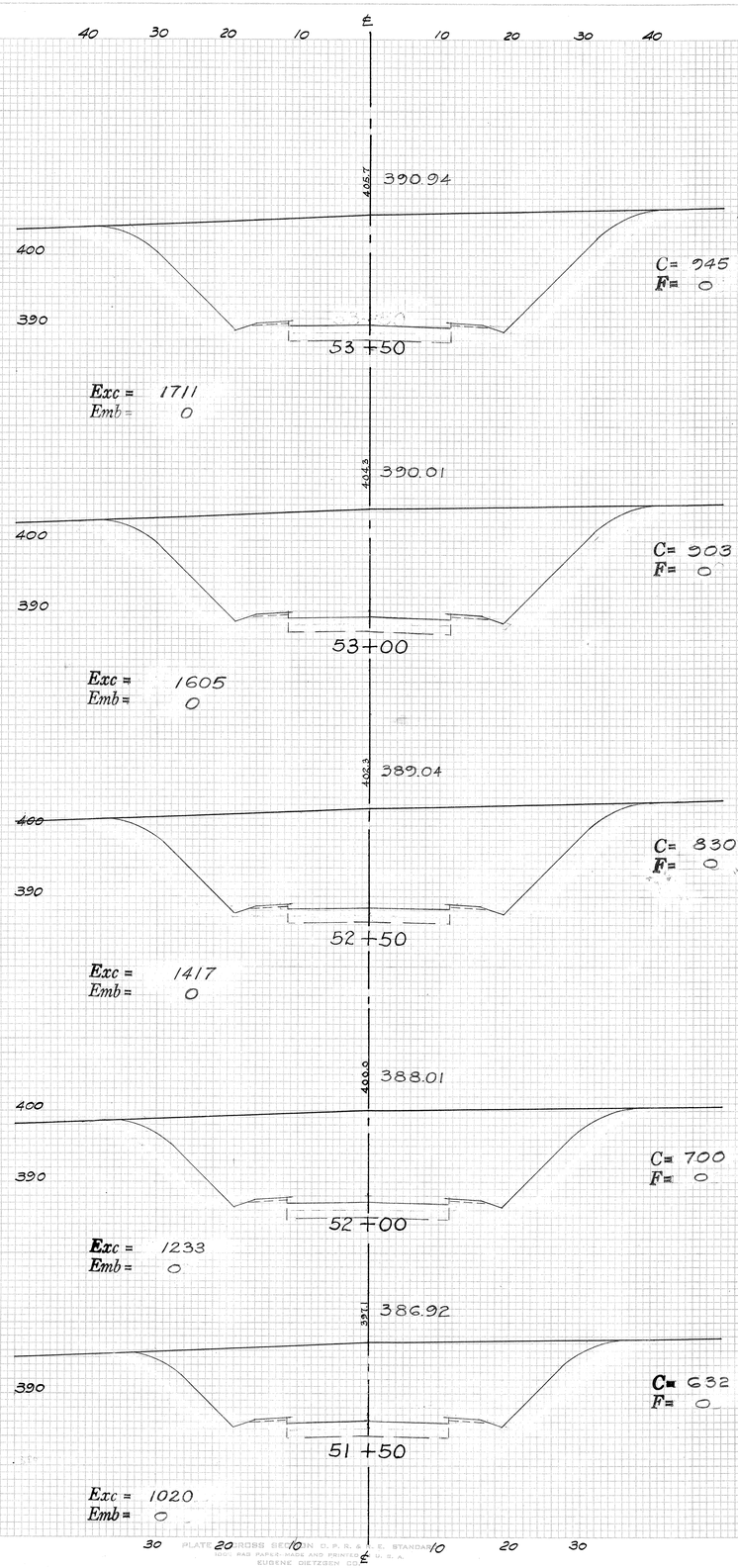
67

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(6) UNIT 2	1963	68	105

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

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





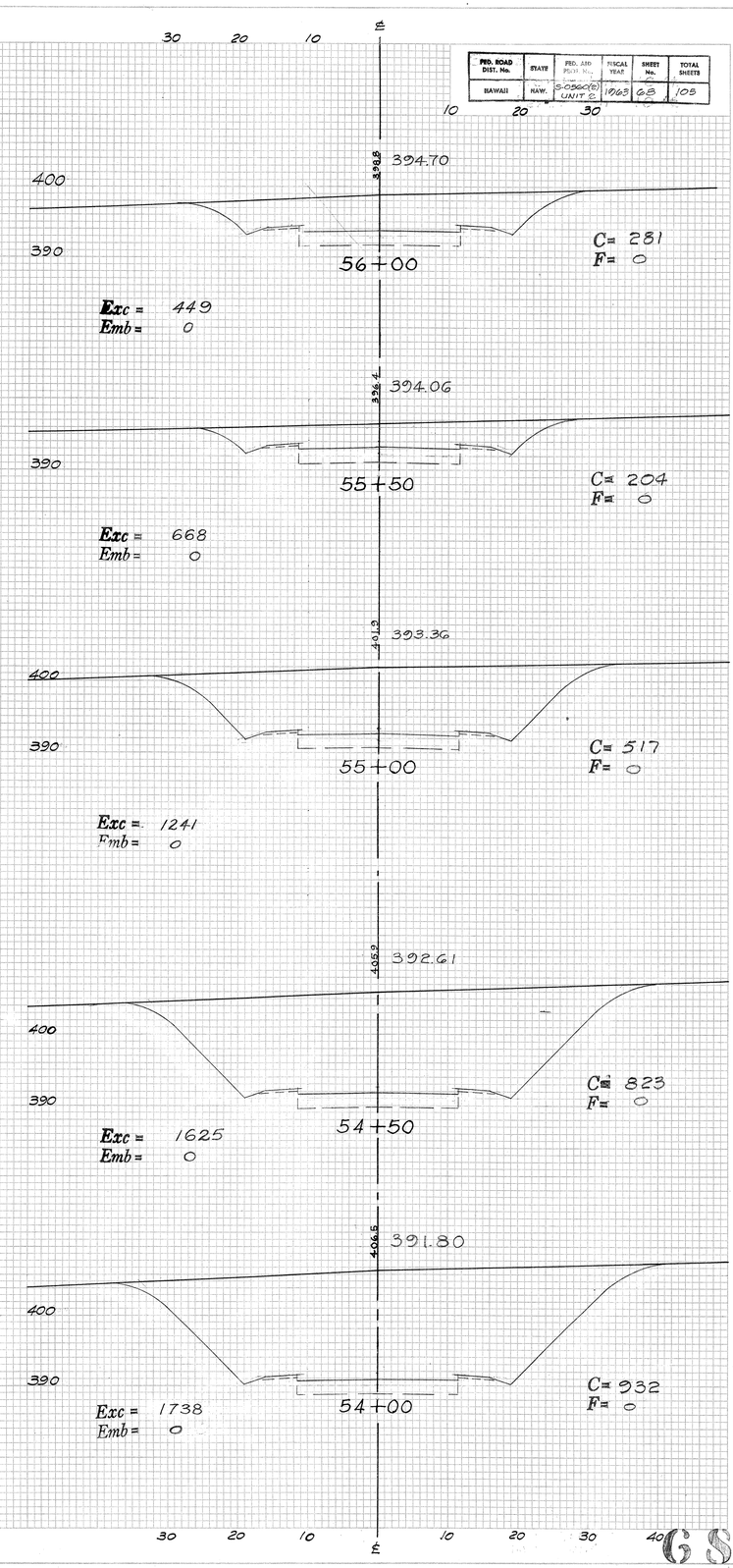
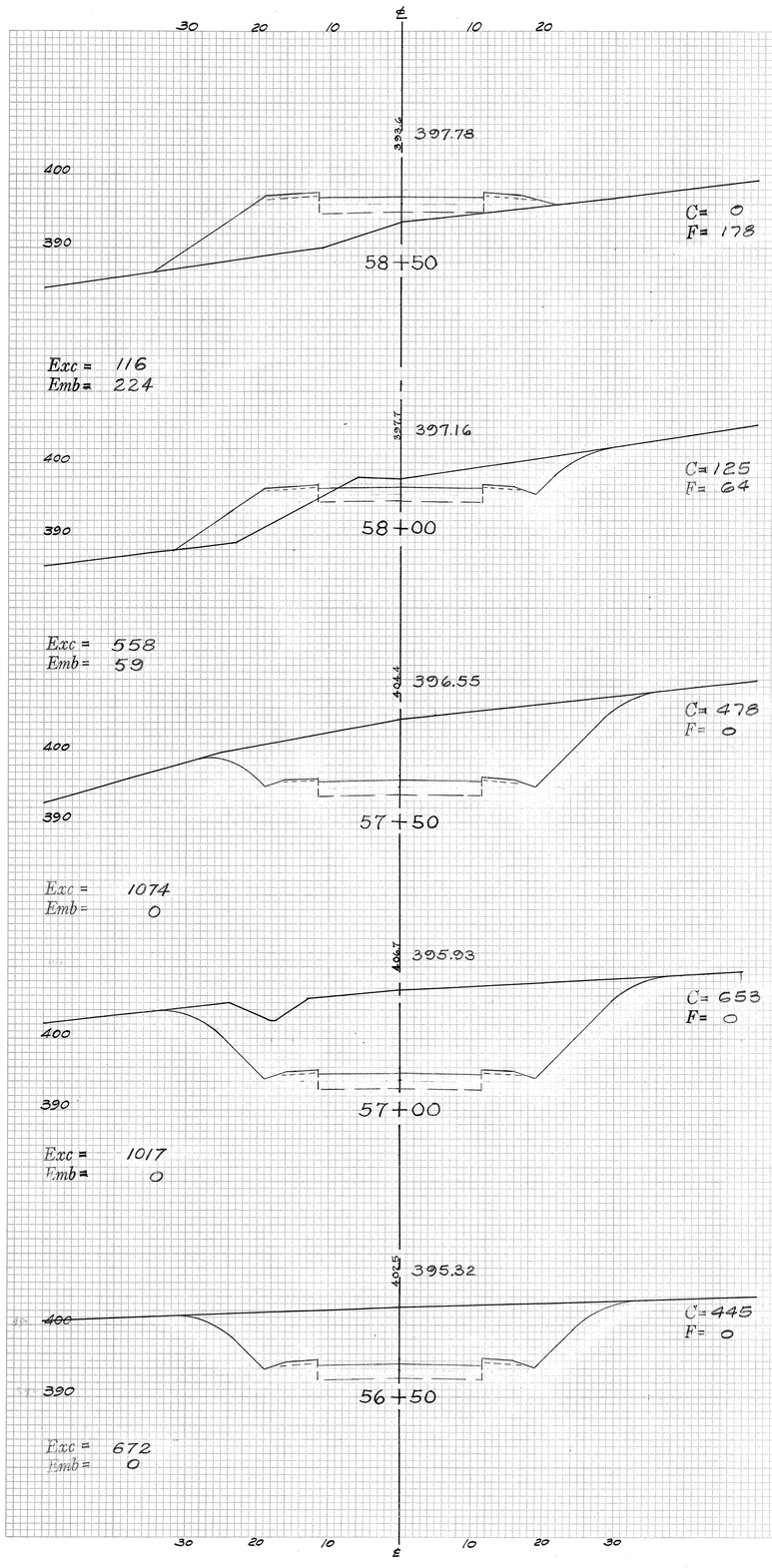


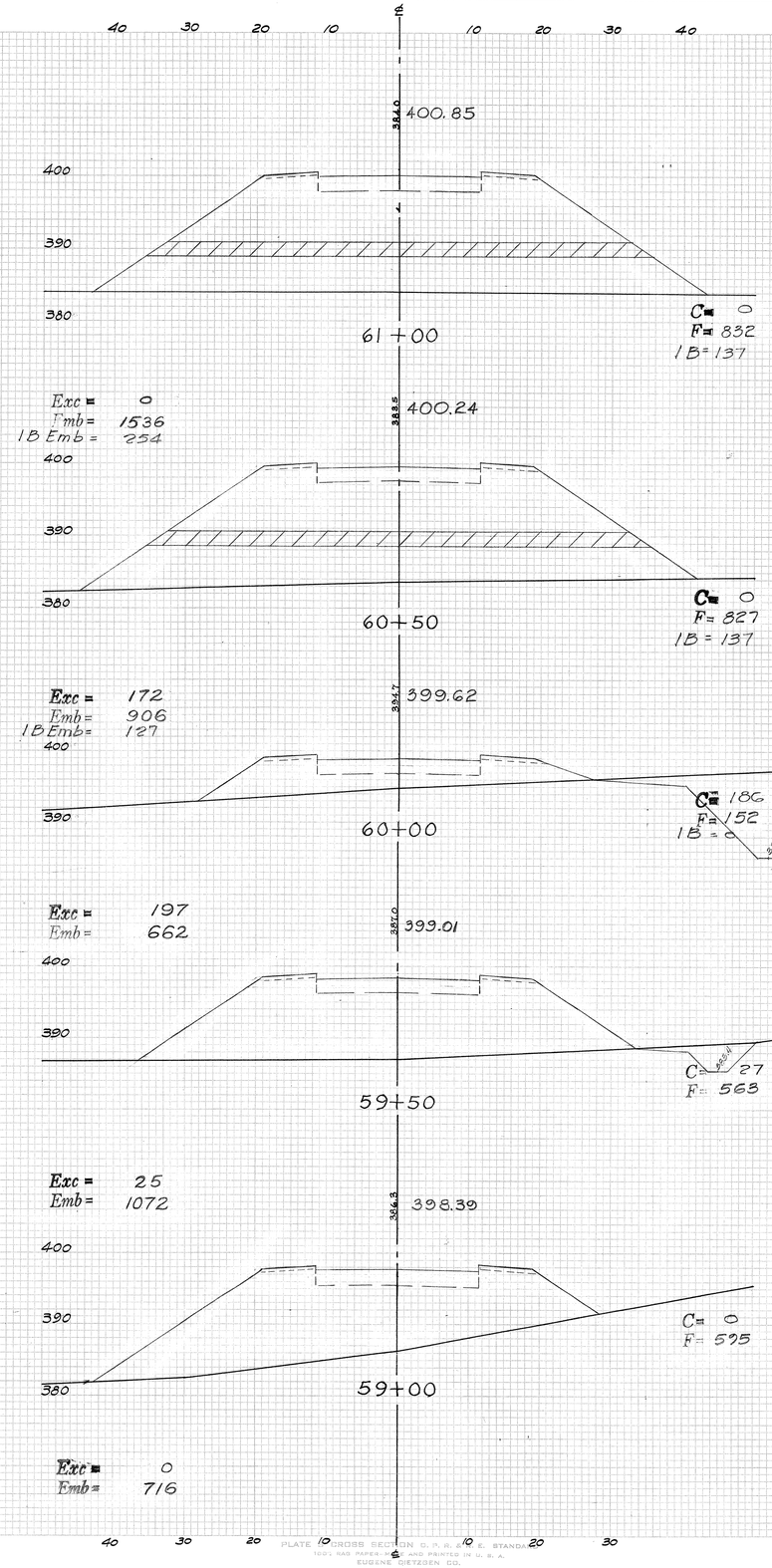
PLATE 2 CROSS SECTION C. P. R. & E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0860(6) UNIT 2	1963	69	108

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





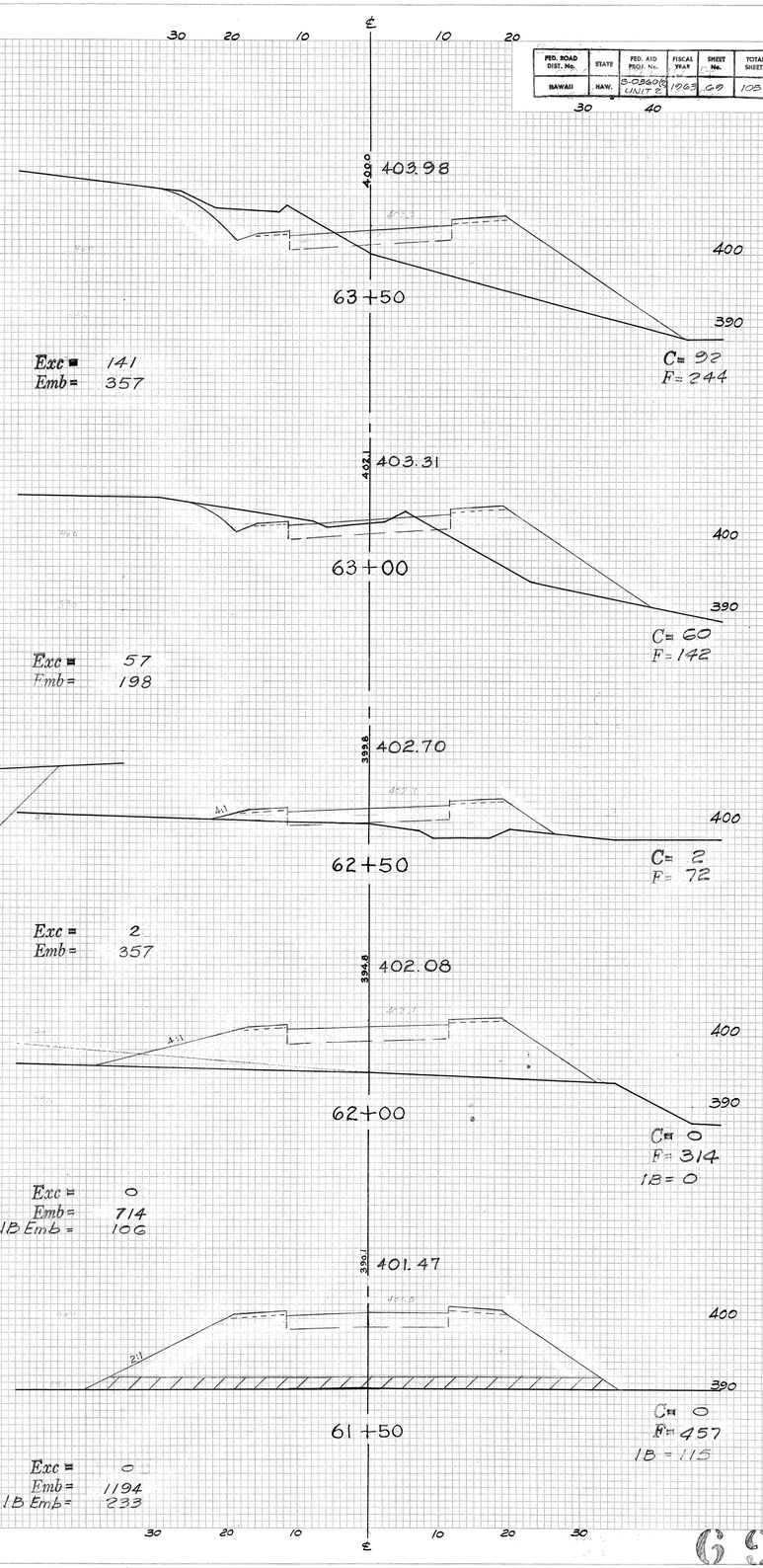
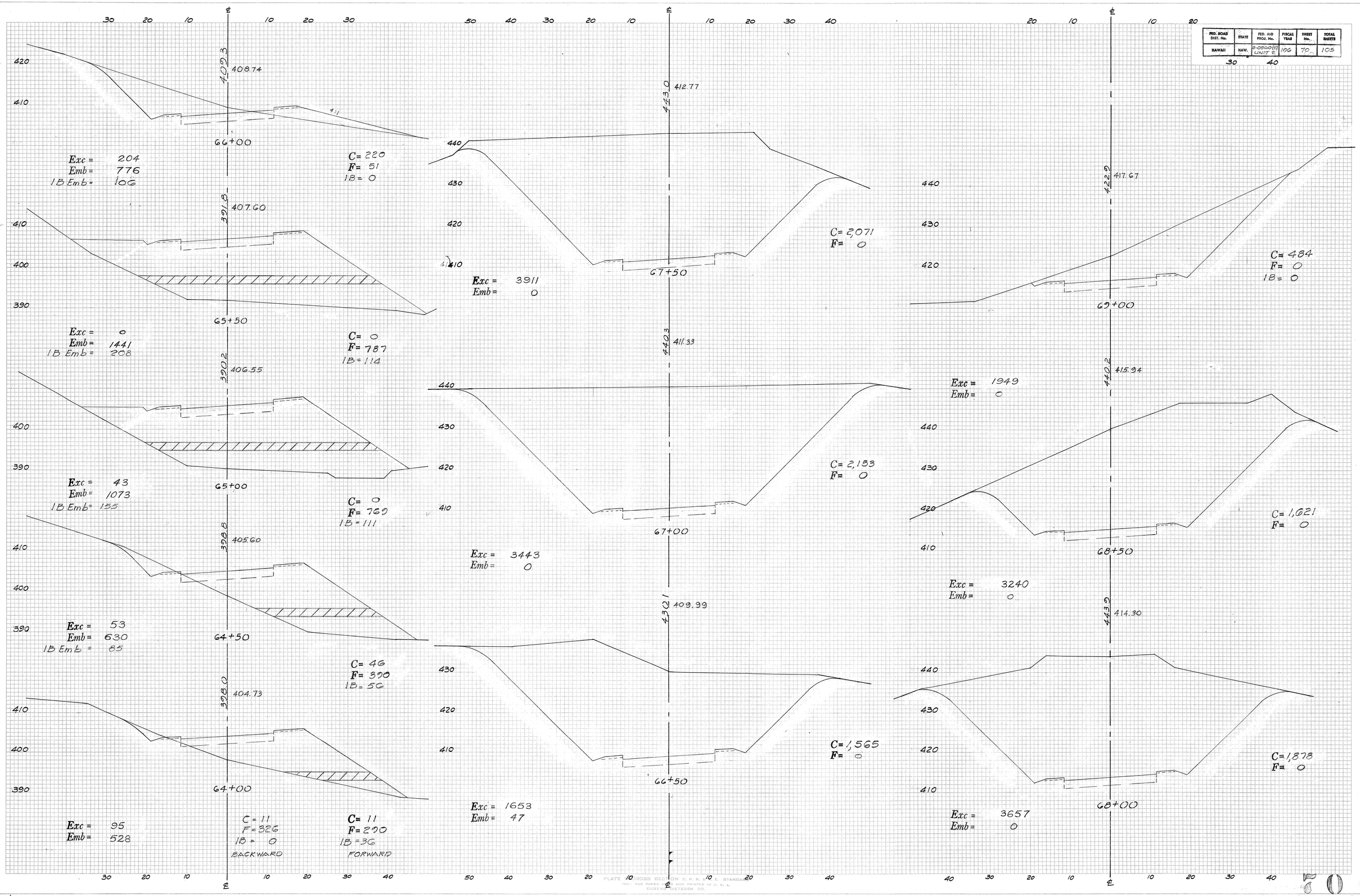


PLATE CROSS SECTION C. P. R. & E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1976	70	105

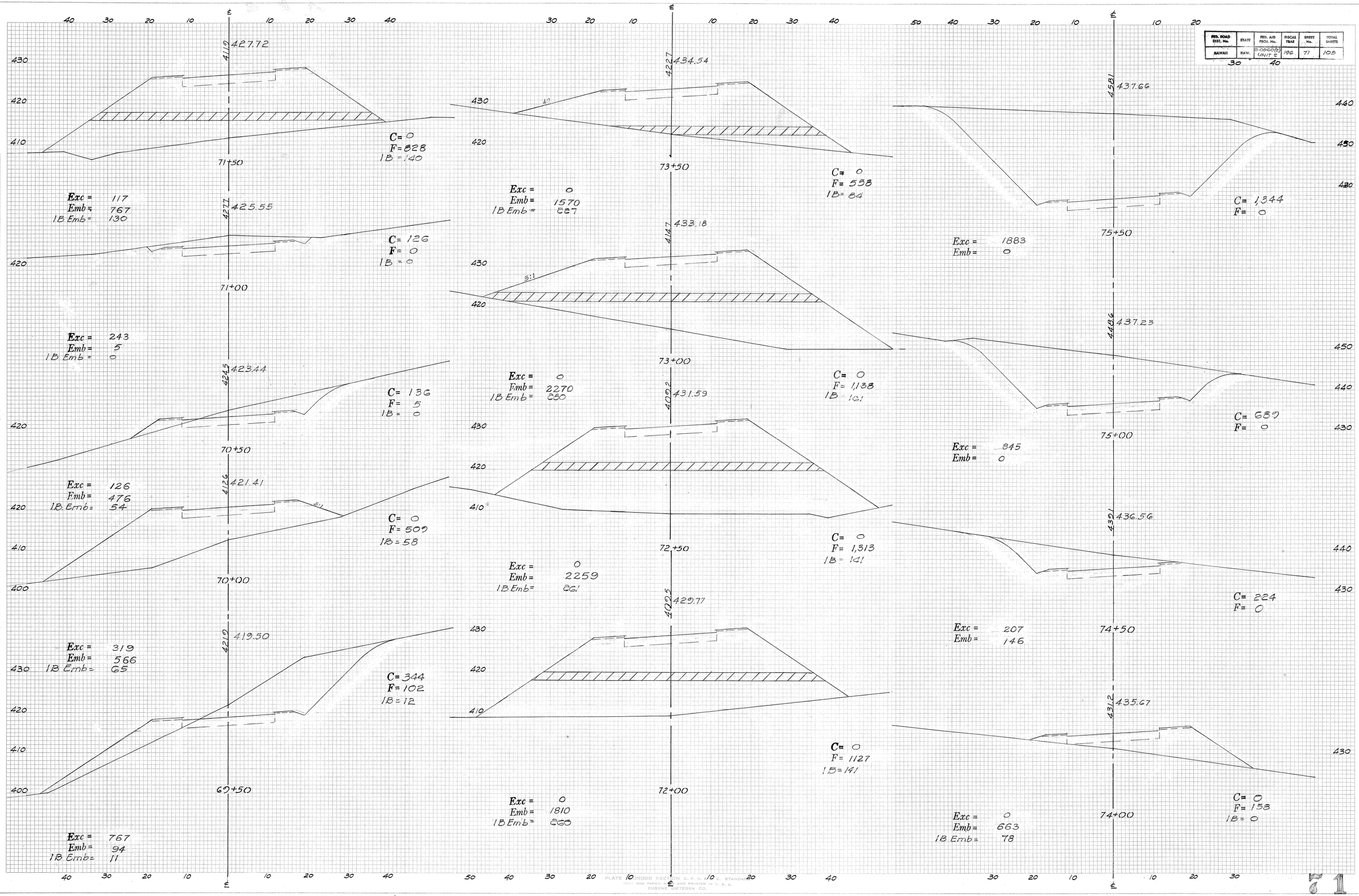


FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 10 CROSS SECTION C. P. R. & R. E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0960(2) UNIT 2	196	71	105

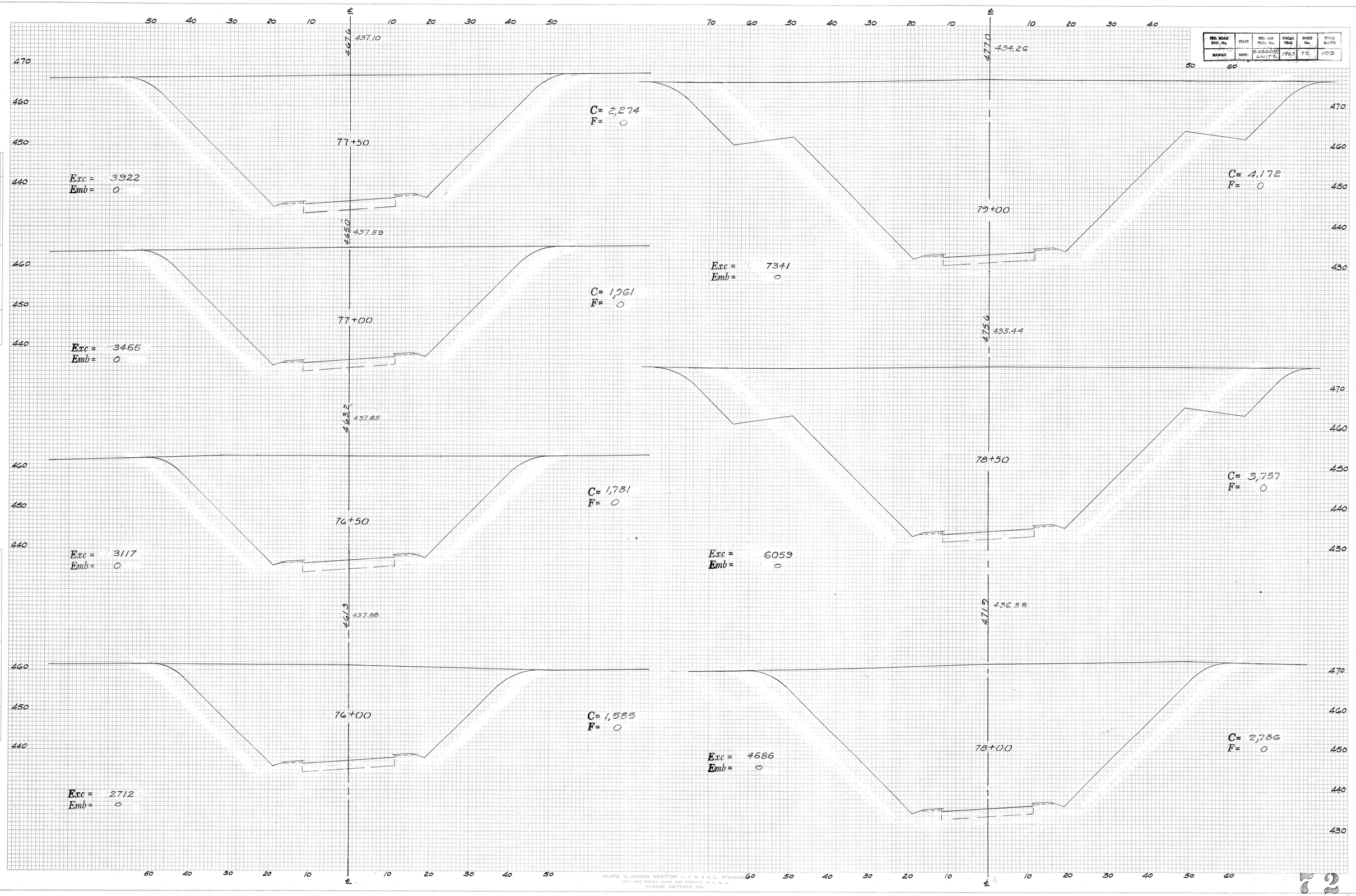


FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE CROSS SECTION C. P. R. & E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1965	72	105



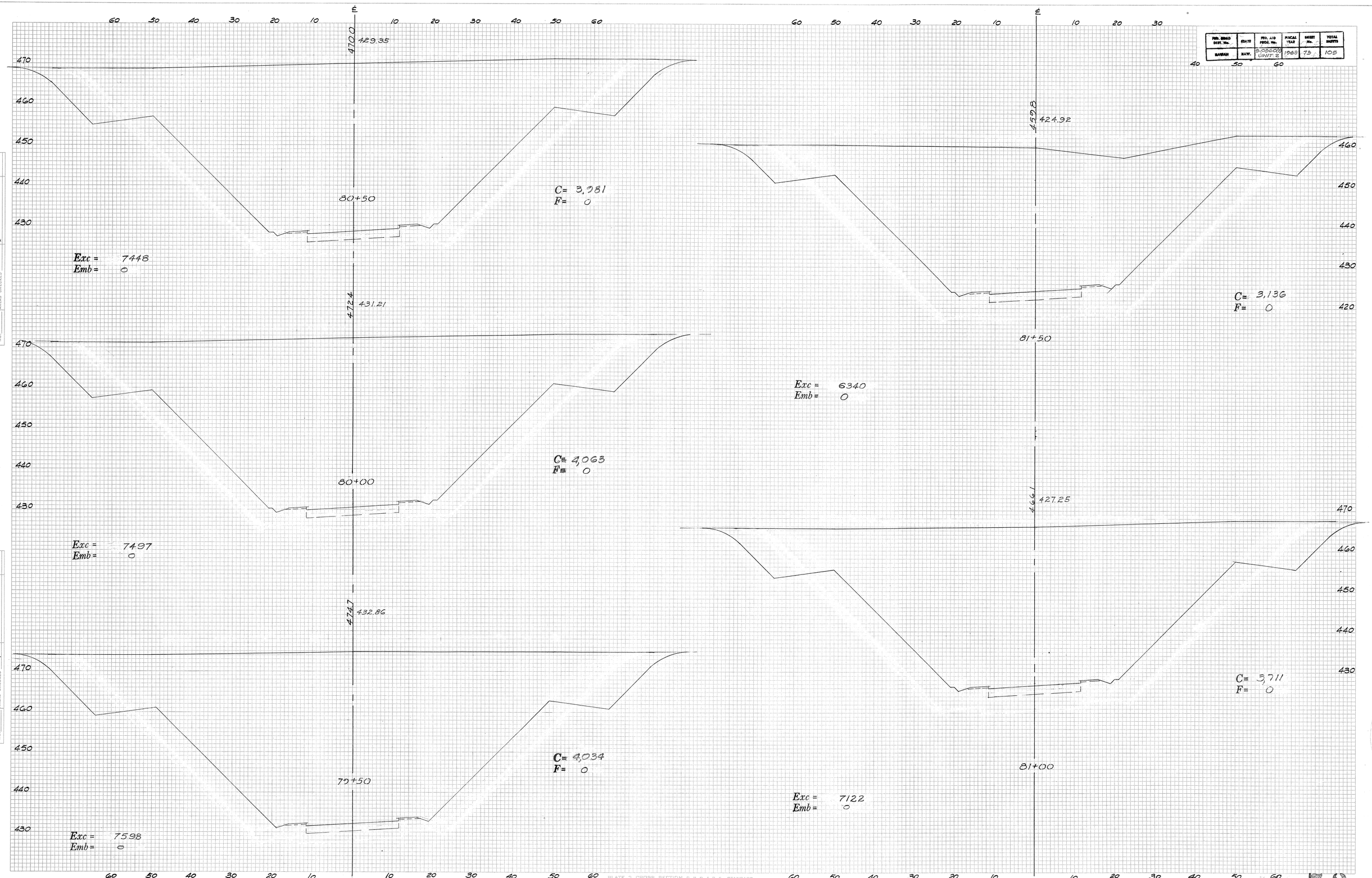
FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 3, CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

72

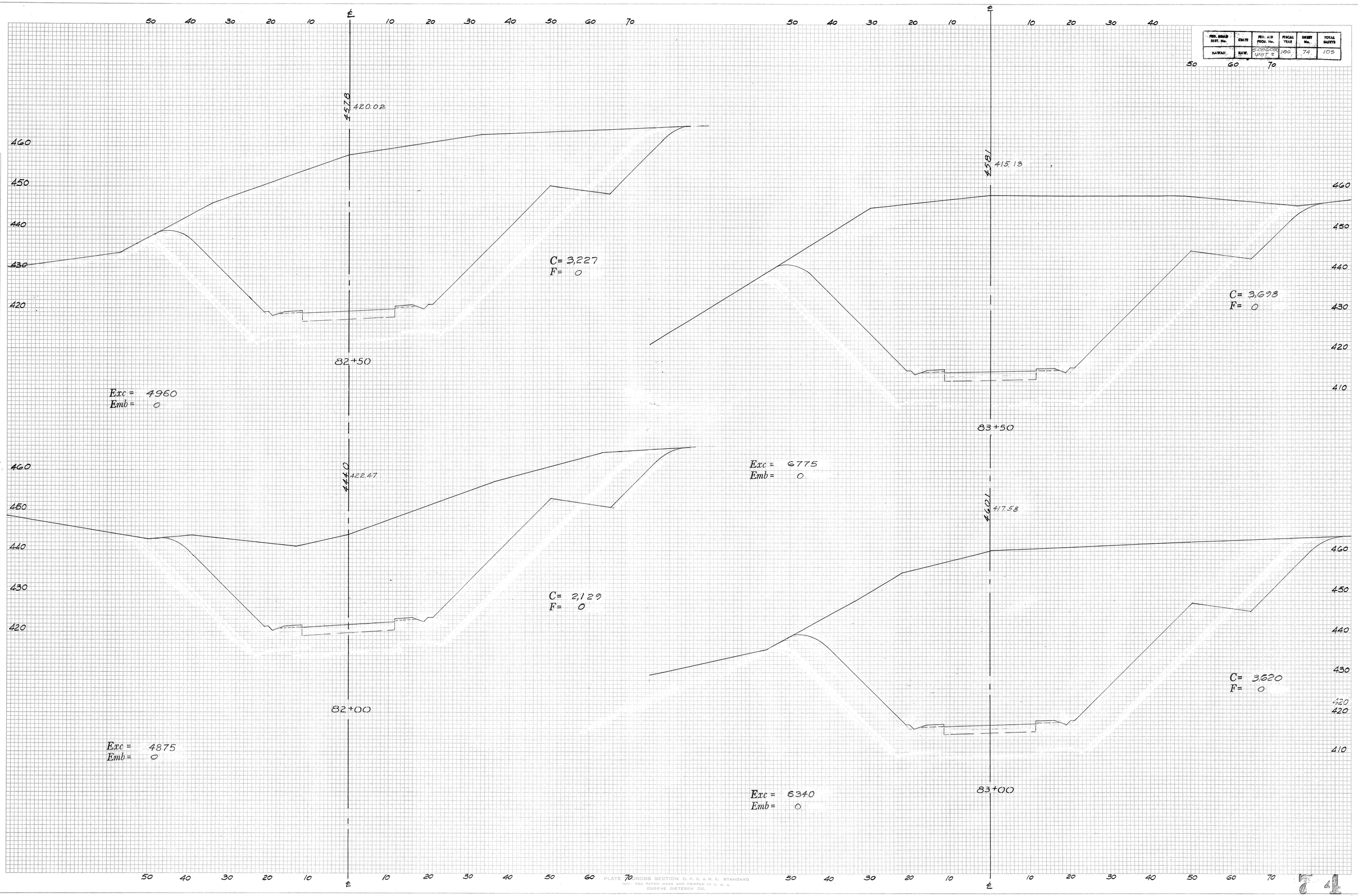
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(3) UNIT 2	1963	73	105



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

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

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.



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

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

PLATE 70 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0500(6) UNIT 5	1963	75	105

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

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

50 40 30 20 10 ℄ 10 20 30

440 430 420 410

421.2 410.34

C= 881
F= 0
IB = 0

Exc = 3321
Emb = 0

84+50

30 20 10 ℄ 10 20 30 40 50 60 70

405.7 406.27

400 390 380

Invert: 381.9

85+50 (FOR QUANTITY PURPOSE ONLY)

C= 21
F= 852
IB = 130

Exc =
Emb =

Begin of Bridge Sta. 85 + 46.75

460 450 430 420 410

414.2 412.69

Exc = 178
Emb = 938
IB Emb = 197

C= 2,705
F= 0

Exc = 5929
Emb = 0

84+00

420 410 400 390

403.6 408.21

Invert: 388.0

Exc = 976
Emb = 298
IB Emb = 69

85+00

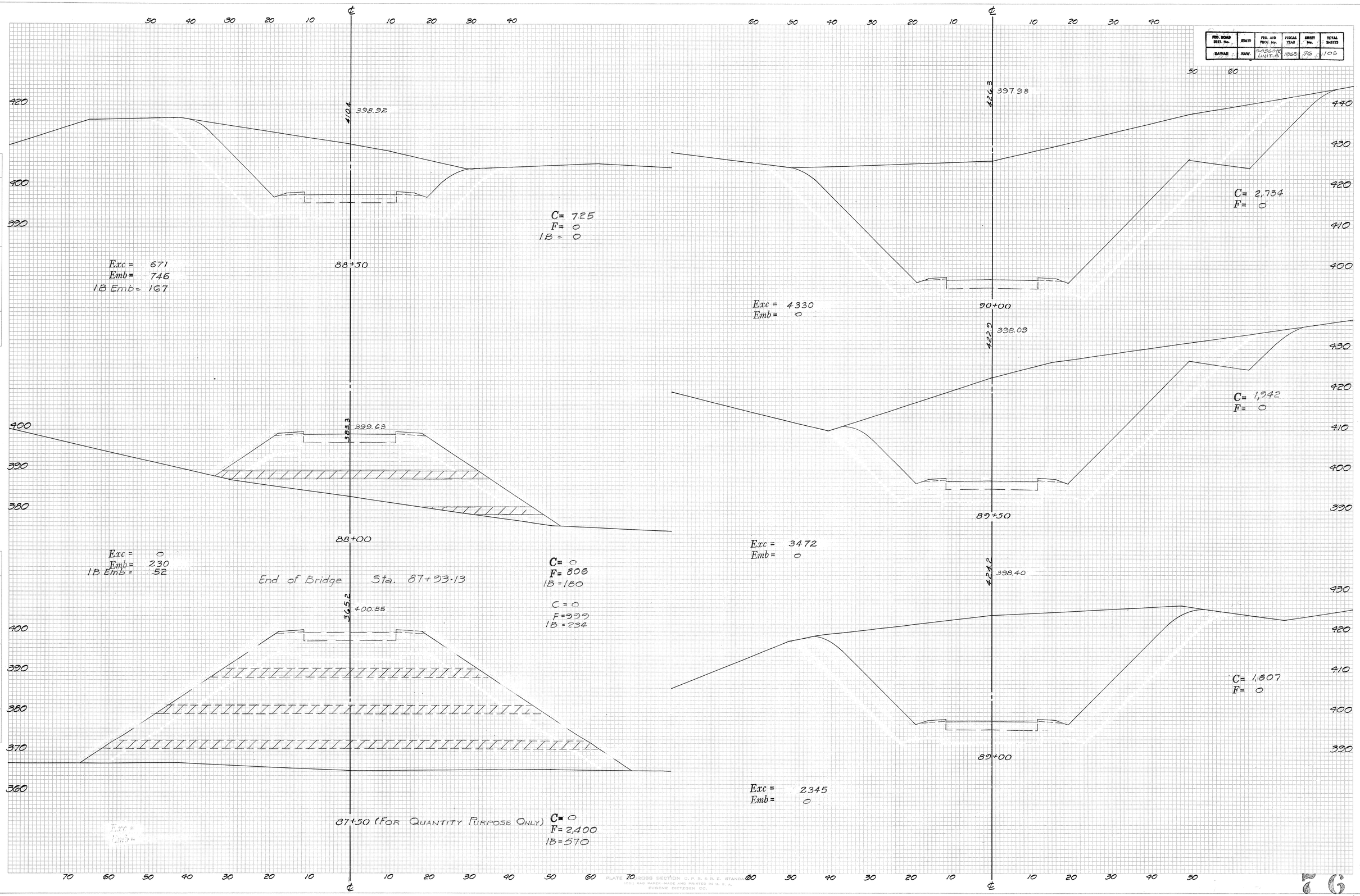
C= 53
F= 761
IB = 153

C= 173
F= 322
IB = 74

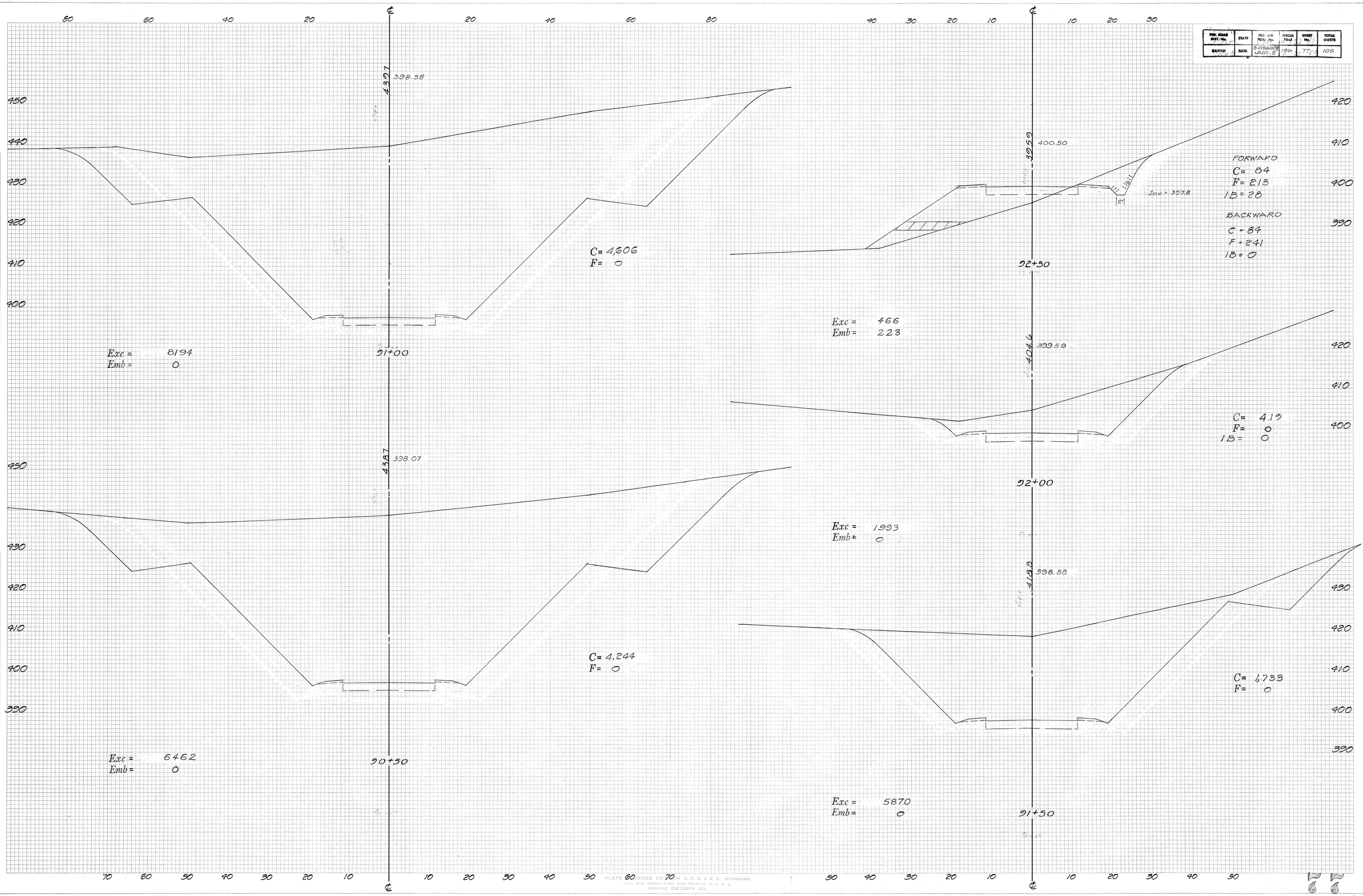
60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70

PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD
100% RAG PAPER - MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

15

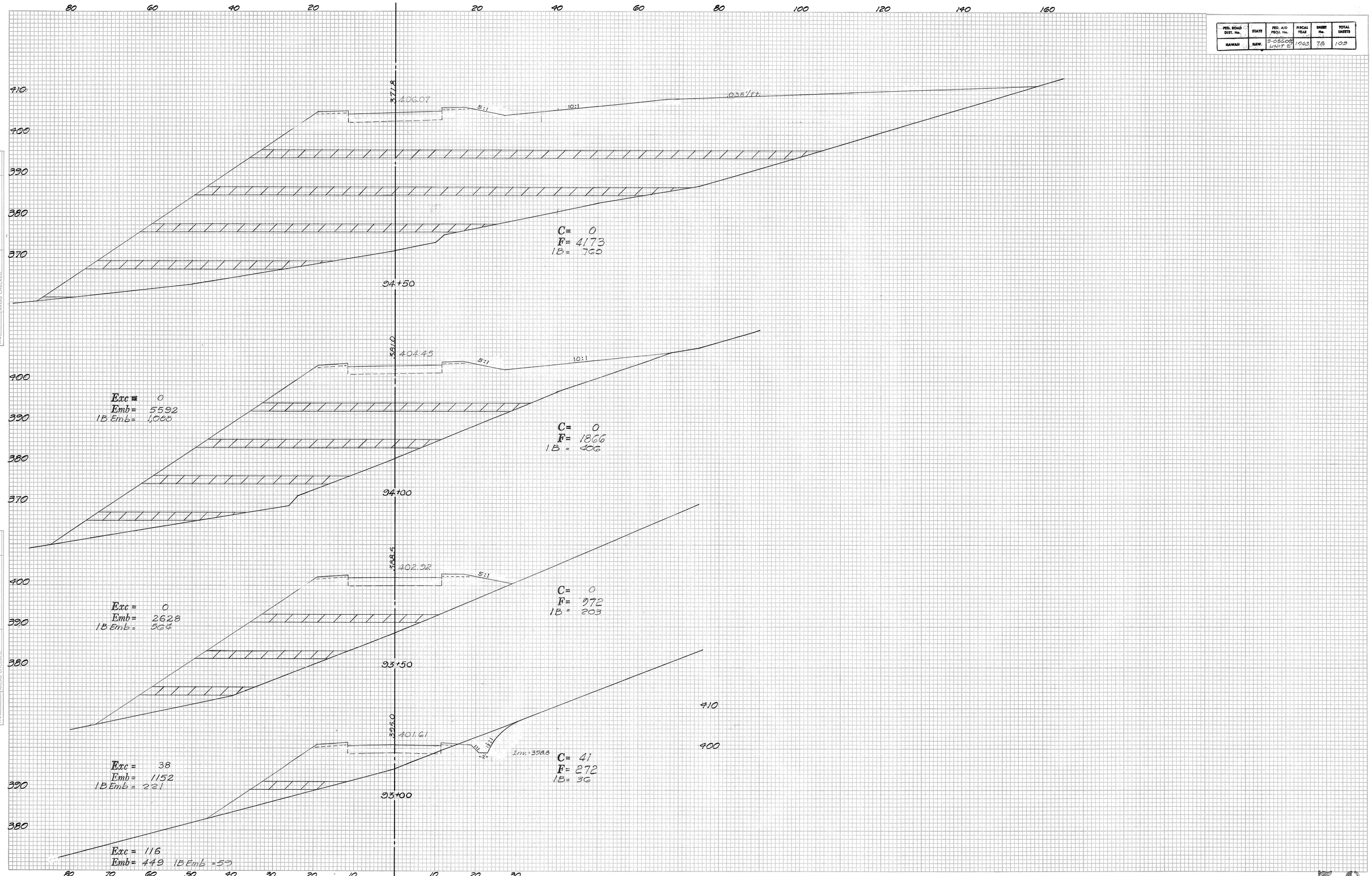


FED. ROAD DIST. No. | STATE | FED. AID PROJ. No. | FISCAL YEAR | SHEET No. | TOTAL SHEETS
HAWAII | HAW. | S-0560(8) UNIT 8 | 1963 | 76 | 105
398.92
410.4
C= 725
F= 0
IB = 0
Exc = 671
Emb = 746
IB Emb = 167
88+50
399.63
383.3
88+00
Exc = 0
Emb = 230
IB Emb = 52
End of Bridge Sta. 87+93.13
C= 0
F= 806
IB = 180
C = 0
F = 999
IB = 234
400.55
365.2
87+50 (FOR QUANTITY PURPOSE ONLY)
C= 0
F= 2,400
IB = 570
397.98
426.3
C= 2,734
F= 0
Exc = 4330
Emb = 0
90+00
398.09
422.9
C= 1,942
F= 0
89+50
Exc = 3472
Emb = 0
398.40
424.2
C= 1,807
F= 0
89+00
Exc = 2345
Emb = 0
FINAL SURVEY
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE
PLATE CROSS SECTION C. P. R. & R. E. STANDARD
EUGENE DIETZGEN CO.



FED. ROAD DIST. No. | STATE | FED. AID PROJ. No. | FISCAL YEAR | SHEET No. | TOTAL SHEETS
HAWAII | HAW. | S-0560(3) UNIT 2 | 196 | 77 | 105
4397
398.38
91+00
Exc = 8194
Emb = 0
C= 4,606
F= 0
4387
398.07
90+50
Exc = 6462
Emb = 0
C= 4,244
F= 0
3959
400.50
92+50
Exc = 466
Emb = 223
FORWARD
C= 84
F= 213
IB= 28
BACKWARD
C = 84
F = 241
IB = 0
Inv. = 397.8
4046
399.59
92+00
Exc = 1993
Emb = 0
C= 4.19
F= 0
IB= 0
4188
398.88
91+50
Exc = 5870
Emb = 0
C= 1,733
F= 0
FINAL SURVEY
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE
PLATE CROSS SECTION C. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	78	109



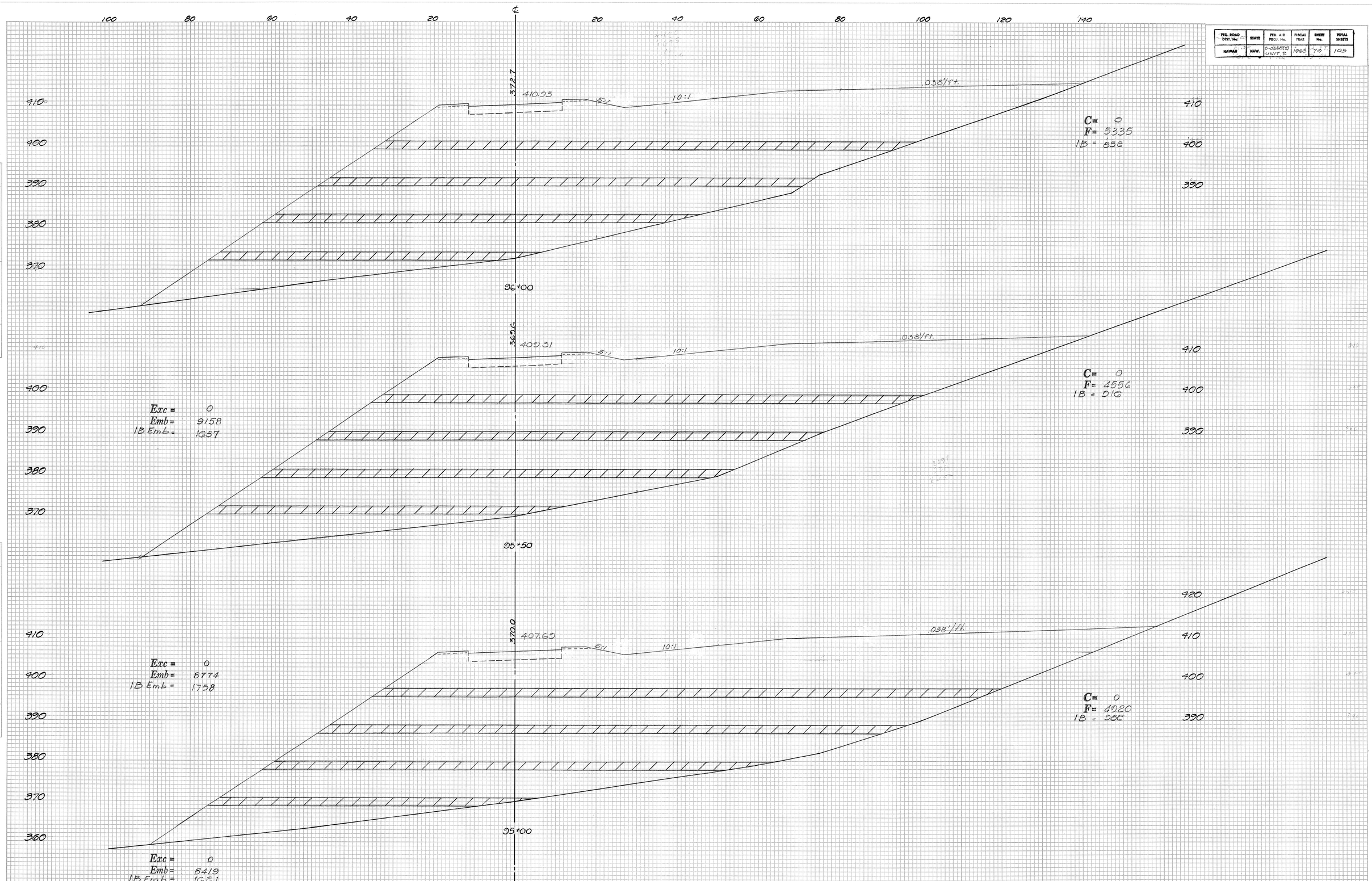
FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3 MADE IN U.S.A. 83661

78

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0568(2) UNIT 2	1963	79	105



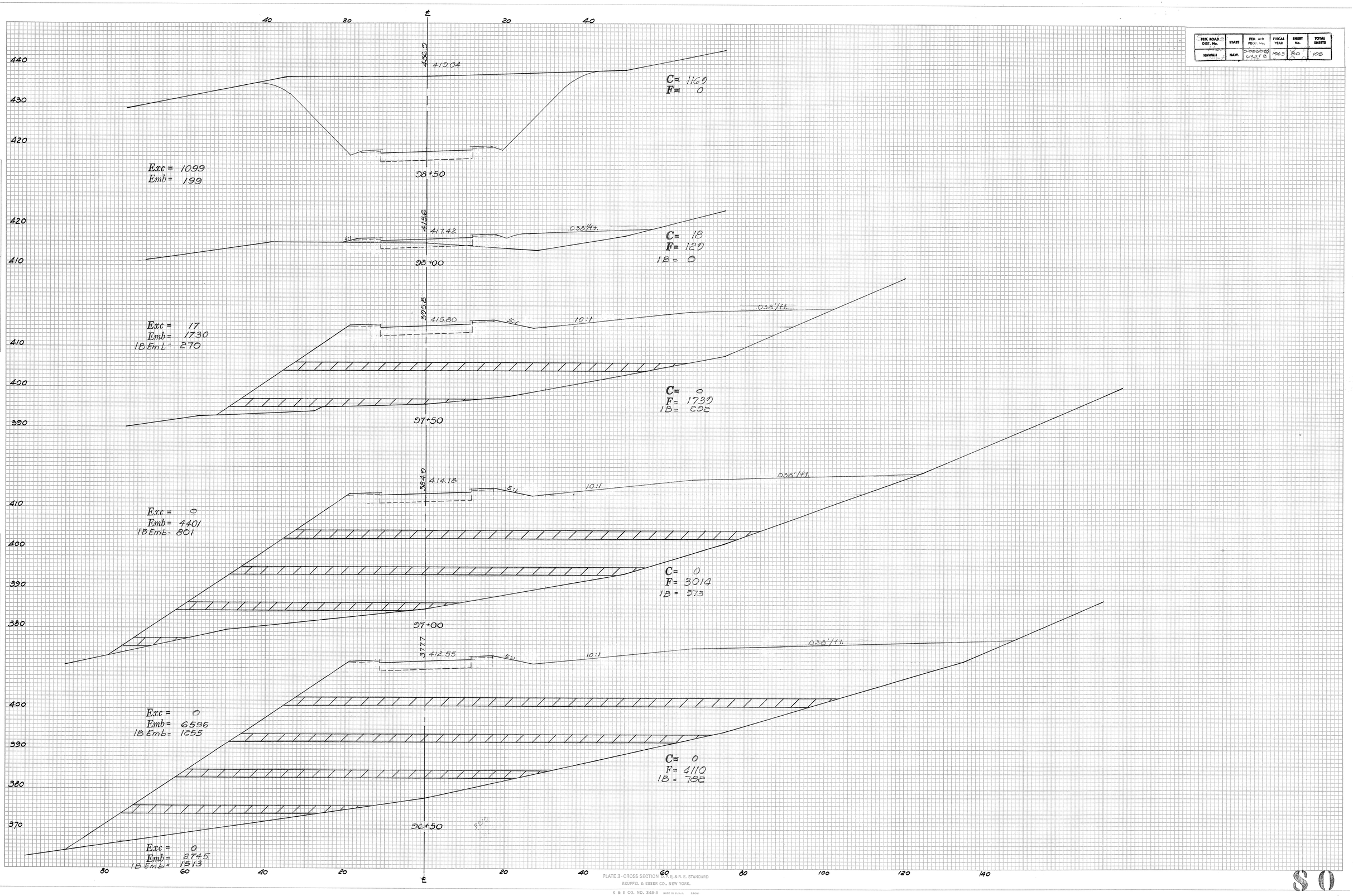
FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 3 - CROSS SECTION C.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3 MADE IN U.S.A. 53061

79

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1963	80	105



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

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

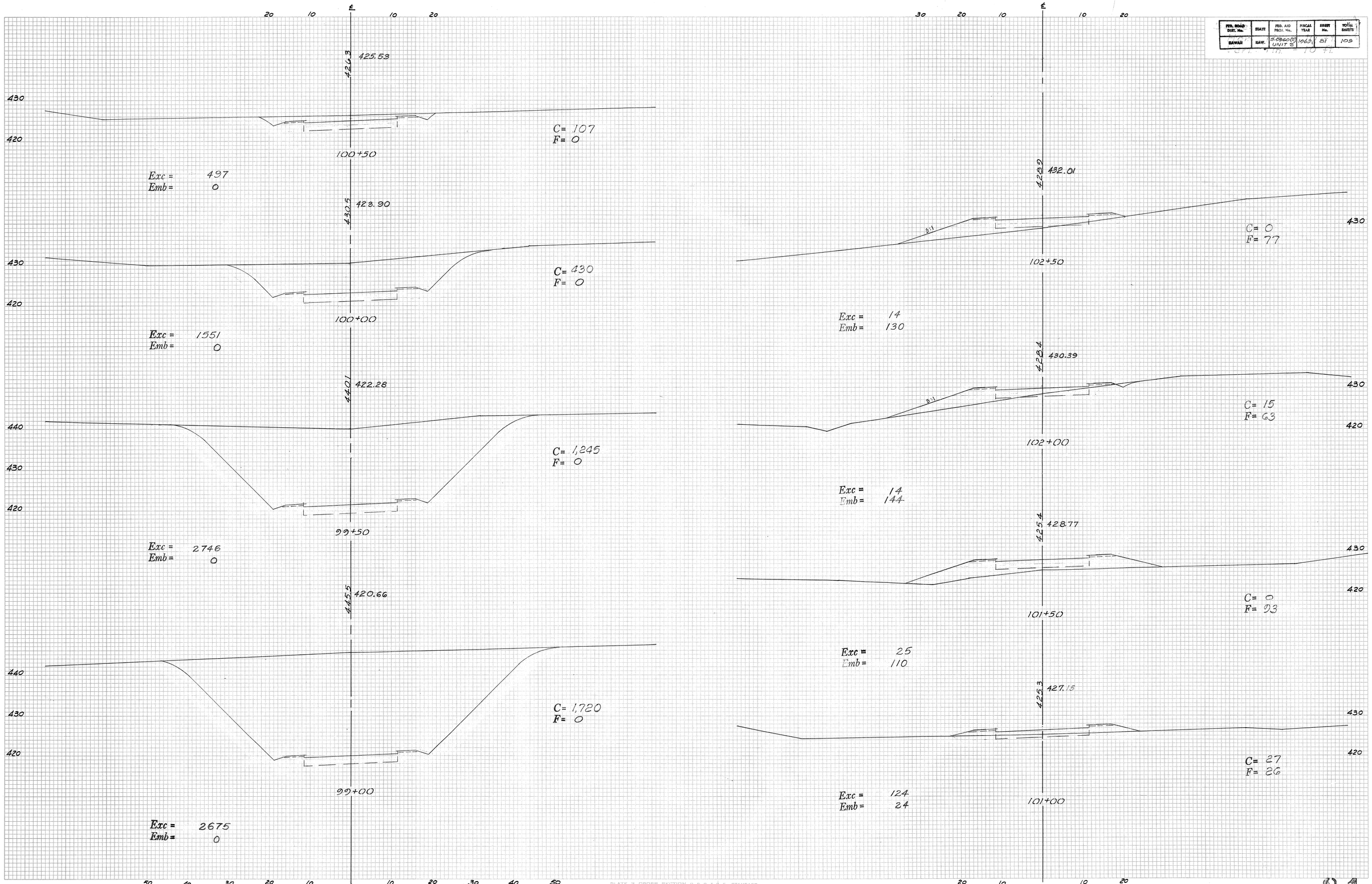
PLATE 3 - CROSS SECTION U.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3 MADE IN U.S.A. 2-8061

80

21

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0860(2) UNIT 2	1963	81	105

Scale: 1 in. = 10 ft.



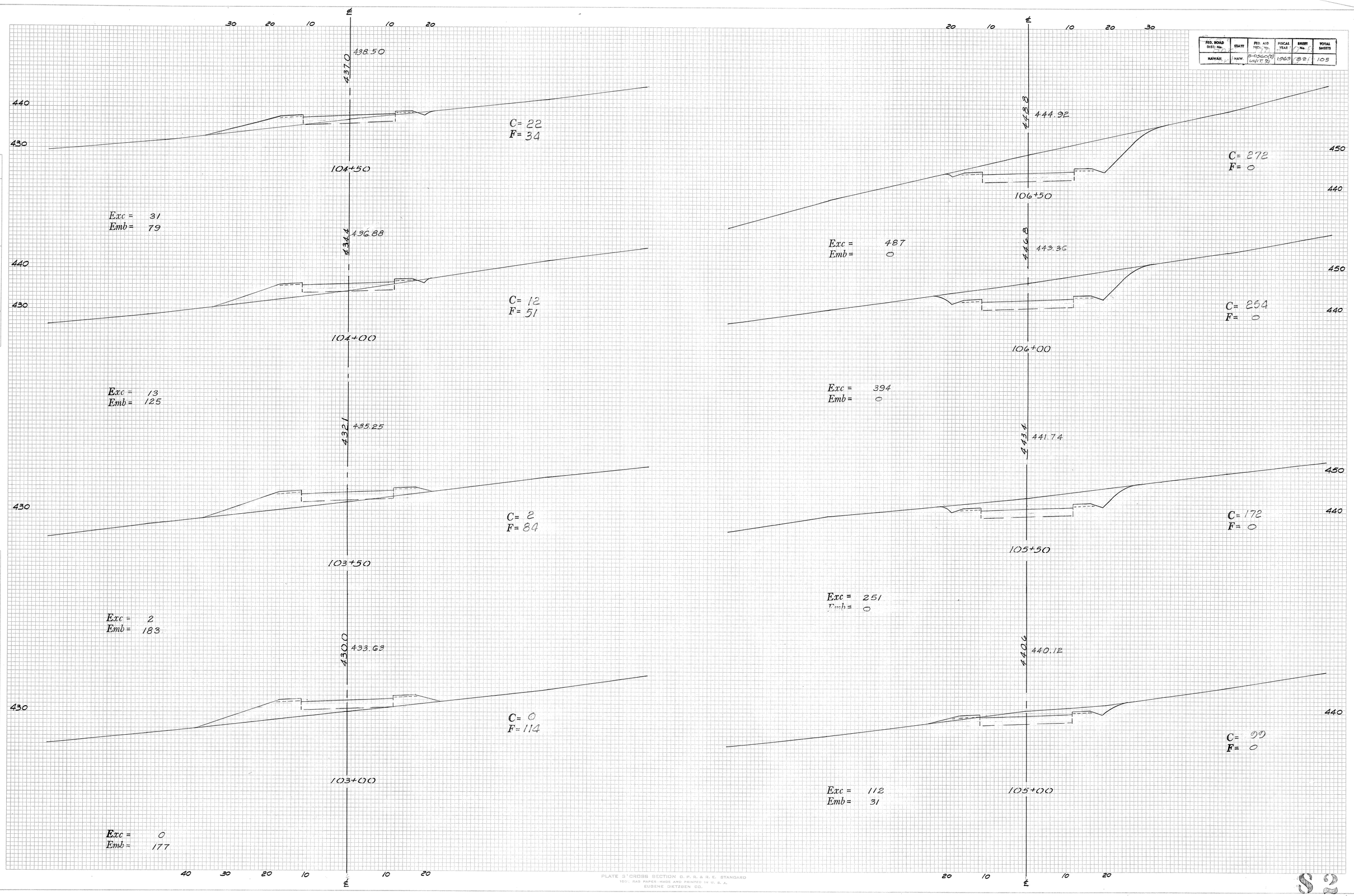
FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

S 1

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 20	1963	82	105



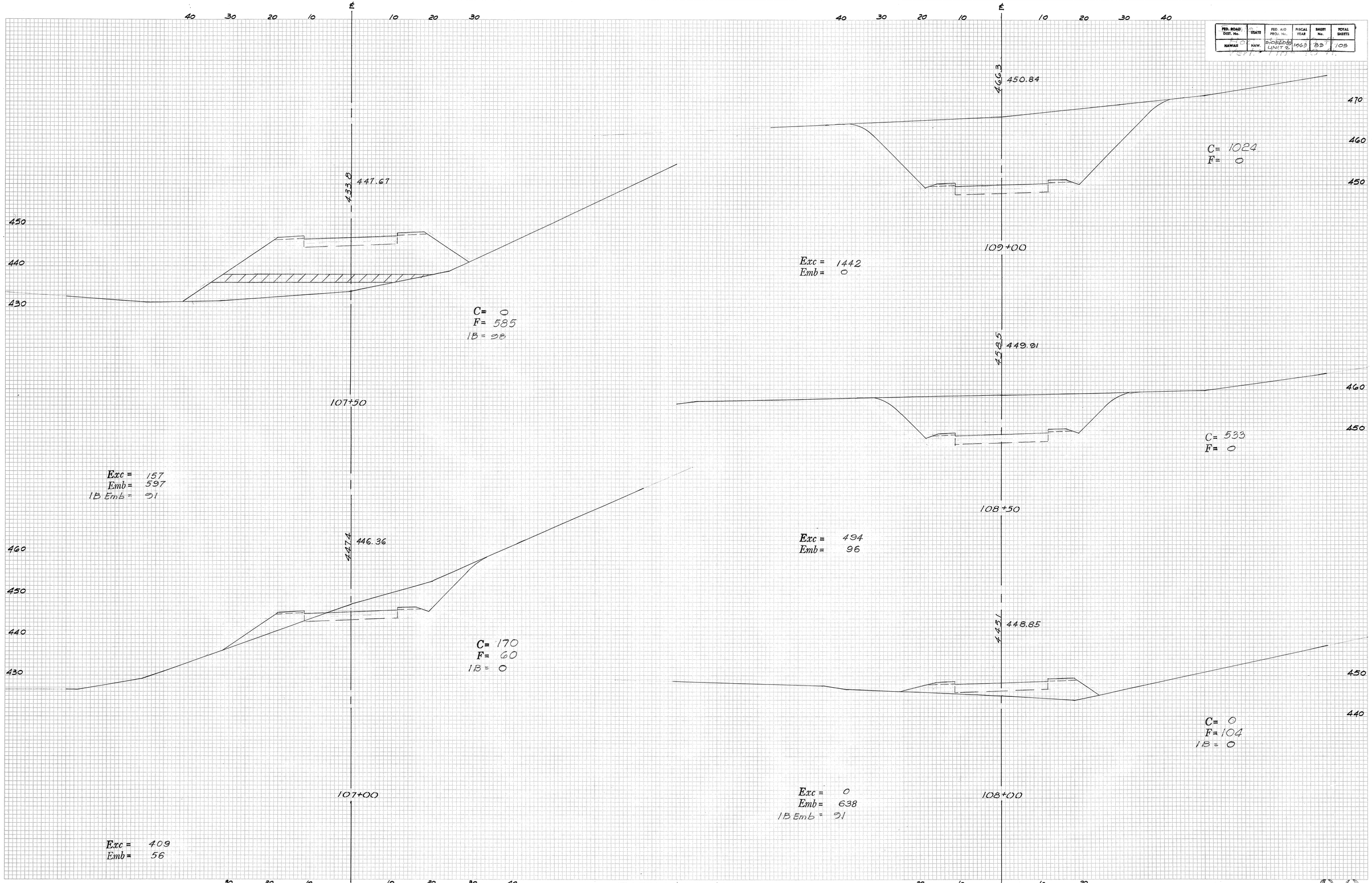
FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 3 CROSS SECTION C. P. R. & R. E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

S2

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	83	105



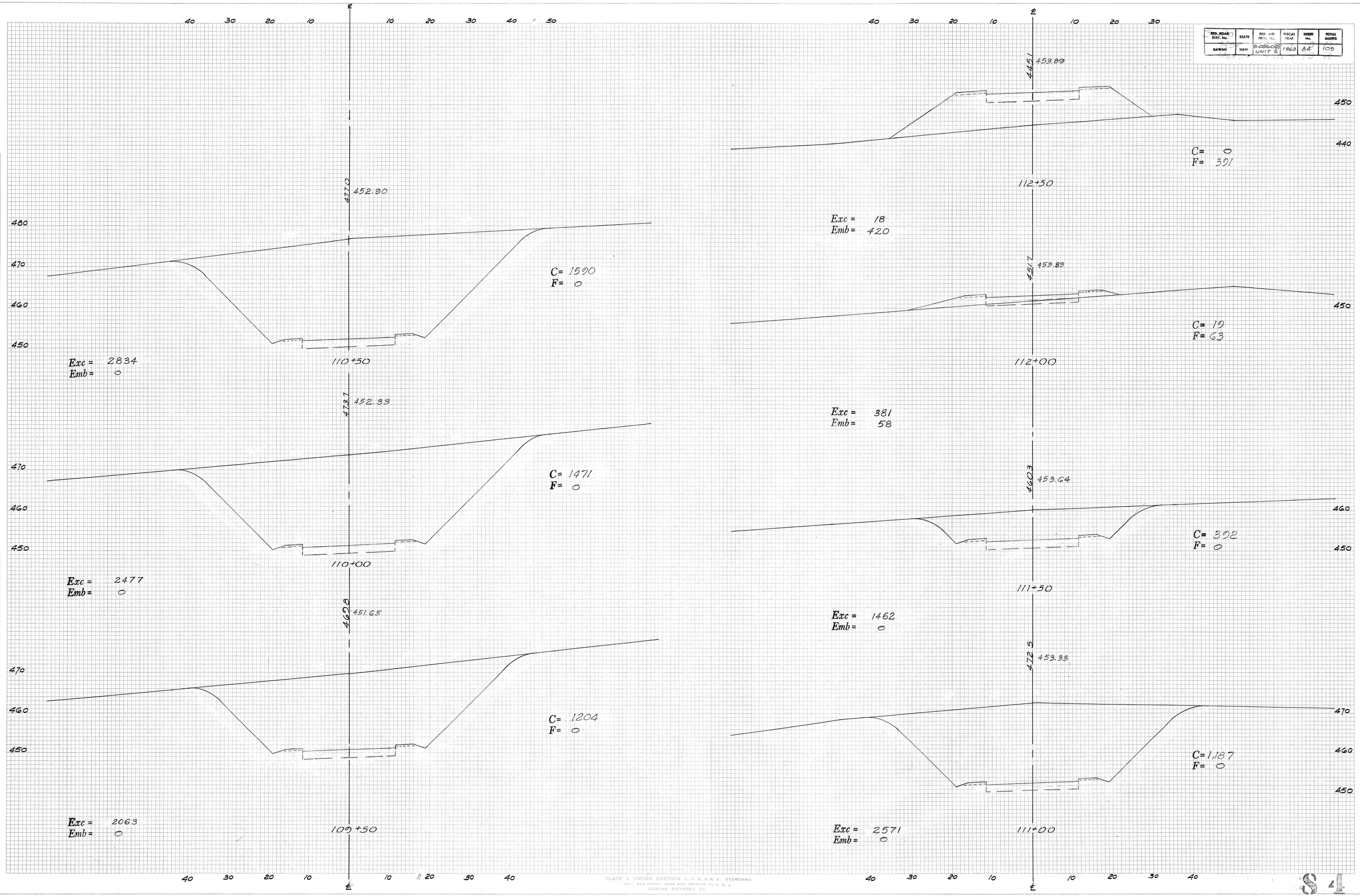
FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 3 CROSS SECTION C. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

S 3

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	84	105



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

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

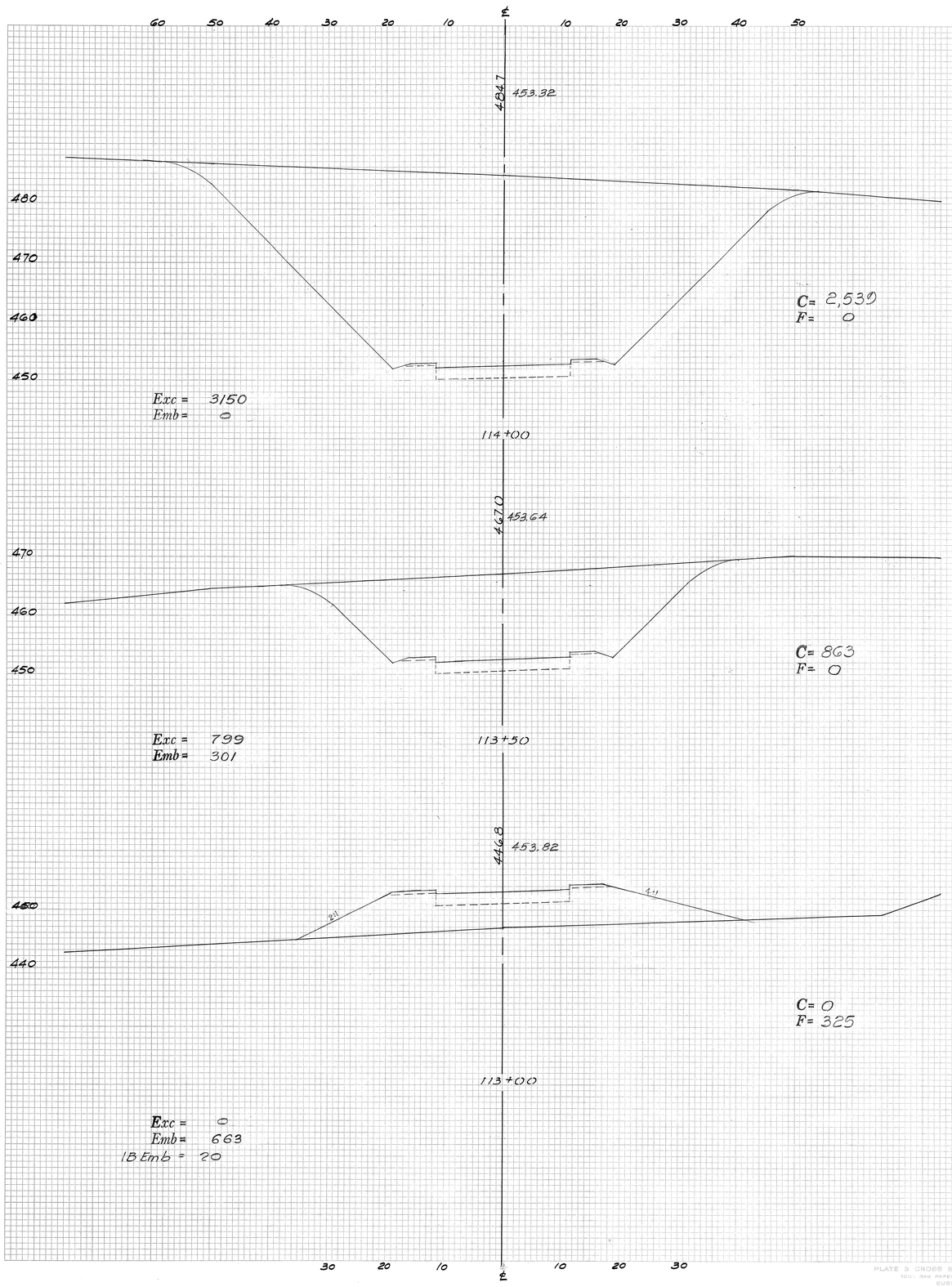
PLATE 3 CROSS SECTION C. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

S 4

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAWAII	S-0560(9) UNIT B	1963	85	105

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

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



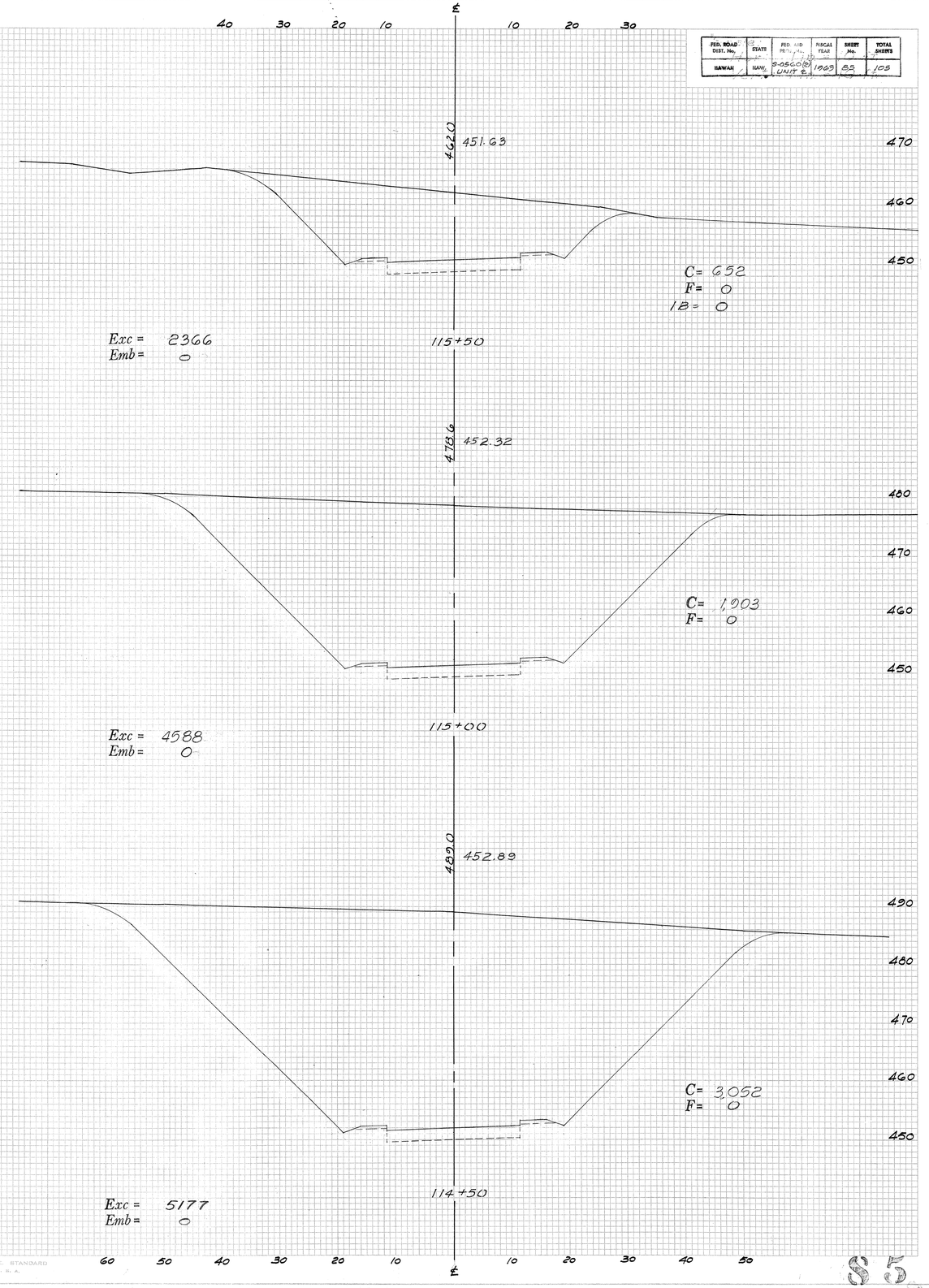


PLATE 3 CROSS SECTION U. P. R. & H. C. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0550(10) UNIT 2	1965	80	105

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

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

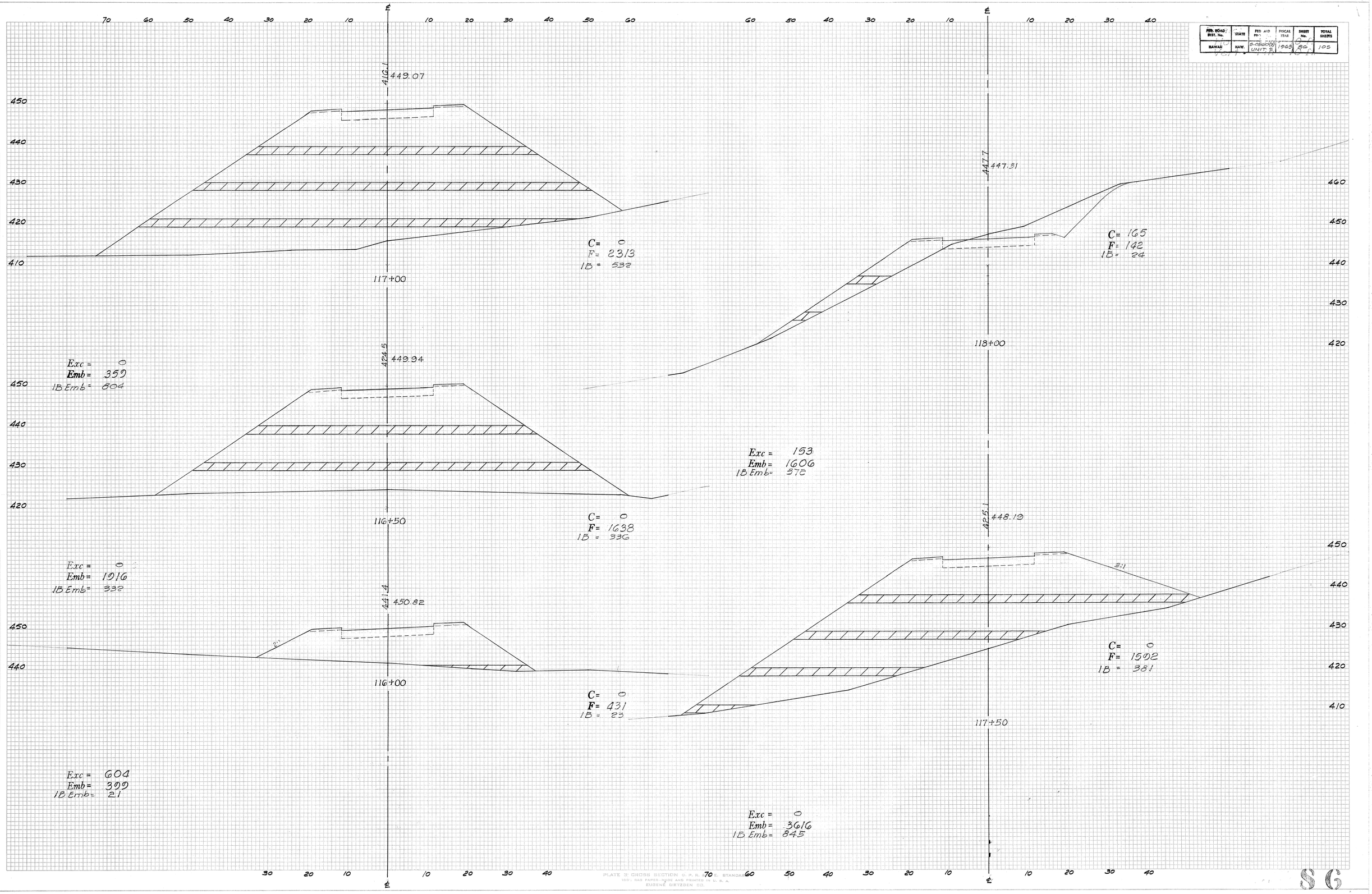
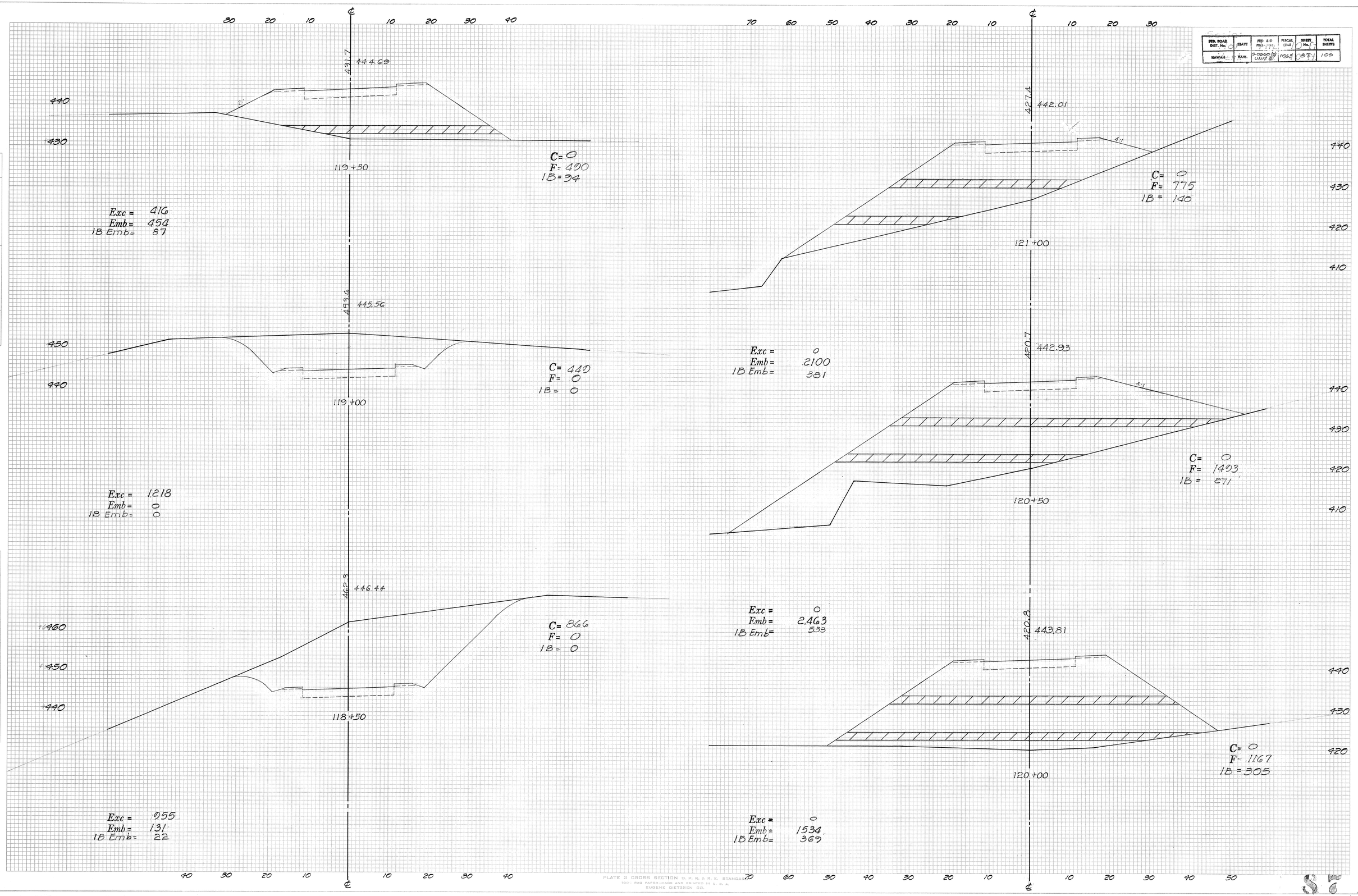


PLATE 3: CROSS SECTION C. P. R. R. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

SG

FED. ROAD DIST. No.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	87	105



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

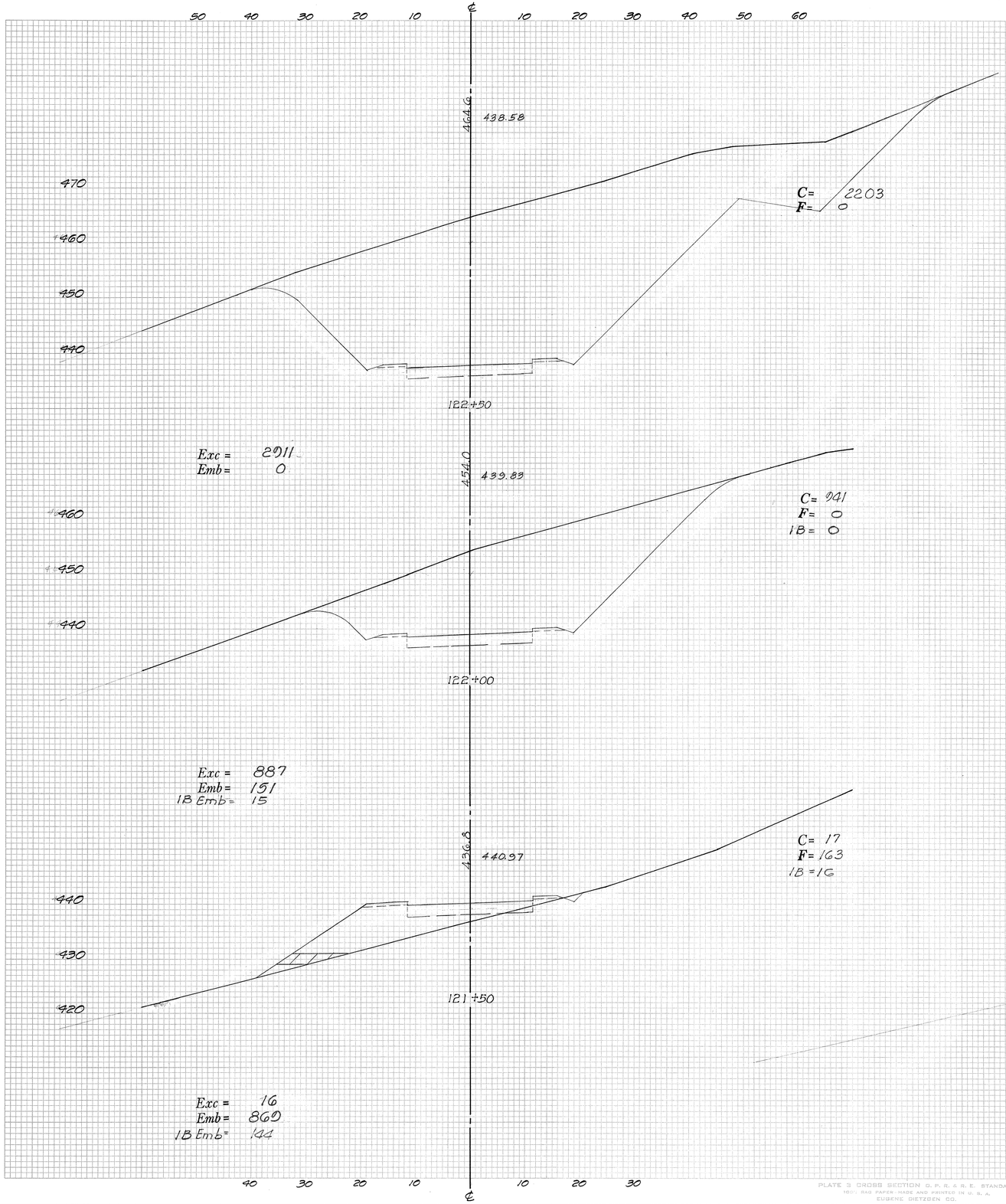
ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100 RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0620(8) UNIT 2	1963	28	105

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

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



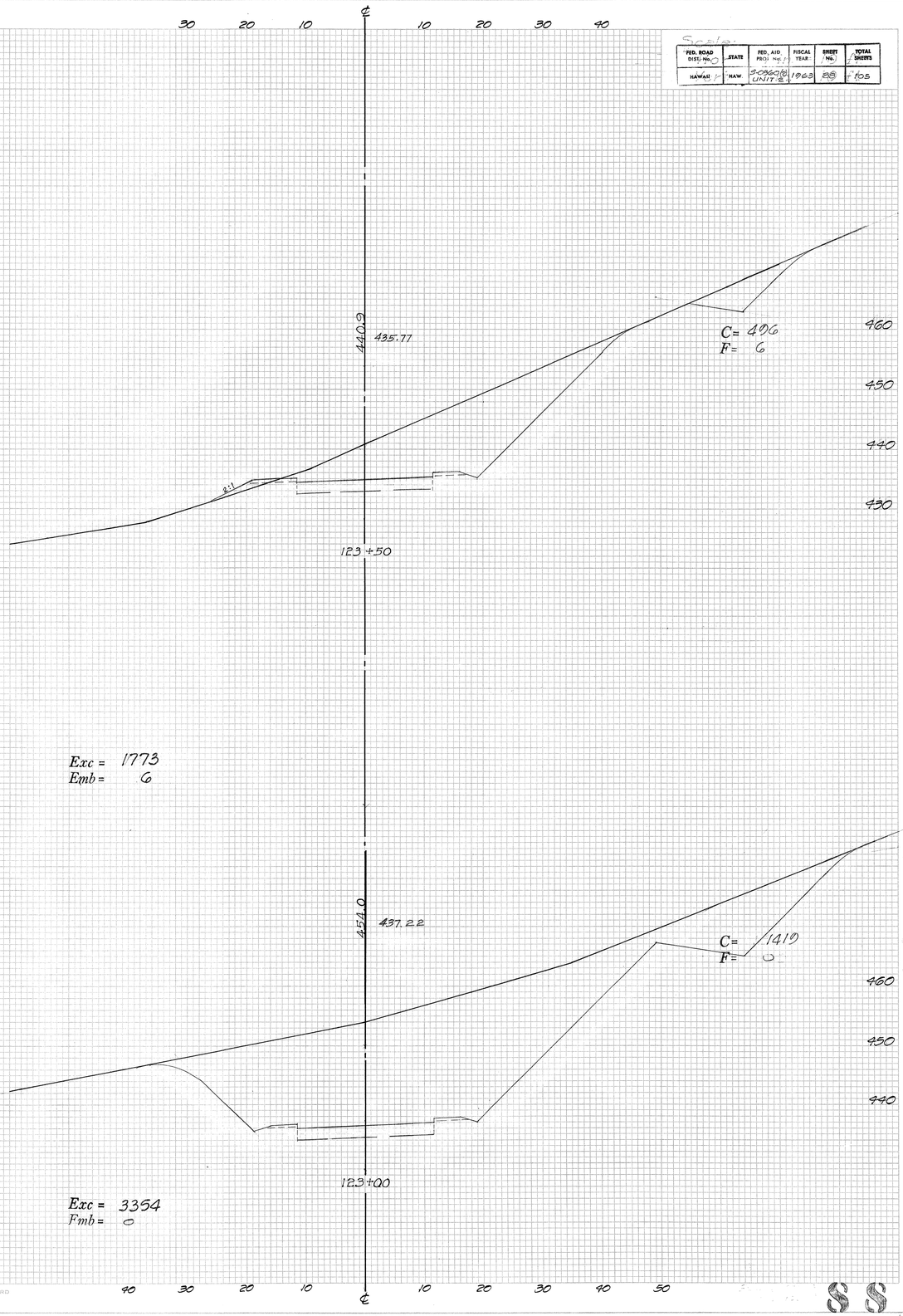


PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	89	105

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

ORIGINAL SURVEY — SURVEYED BY; NOTE BOOK; NO.; COMPUTED BY; TEMPLATE AREAS; AREAS CHECKED ✓; BY; DATE

60 50 40 30 20 10 ℄ 10 20 30 40 50 60 70

463.7 432.53

C= 3457
F= 0

470 460 450 440 430

124+50

Exc = 4694
Emb = 0

450.5 434.20

C= 1612
F= 0

124+00

Exc = 1052
Emb = 6

60 50 40 30 20 10 ℄ 10 20 30 40 50 60

Exc = 9086
Emb = 0

473.3 428.87

C= 4890
F= 0

490 480 470 460 450 440 430

125+50

475.2 430.73

C= 4923
F= 0

490 480 470 460 450 440 430

125+00

Exc = 7759
Emb = 0

40 30 20 10 ℄ 10 20 30 40 50 60 70

PLATE 3 CROSS SECTION C. P. R. STANDARD
1951 RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

89

FED. ROAD DIST. No.	STATE	FED. AID PROJECT	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0960(2) UNIT 2	1963	90	103

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

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

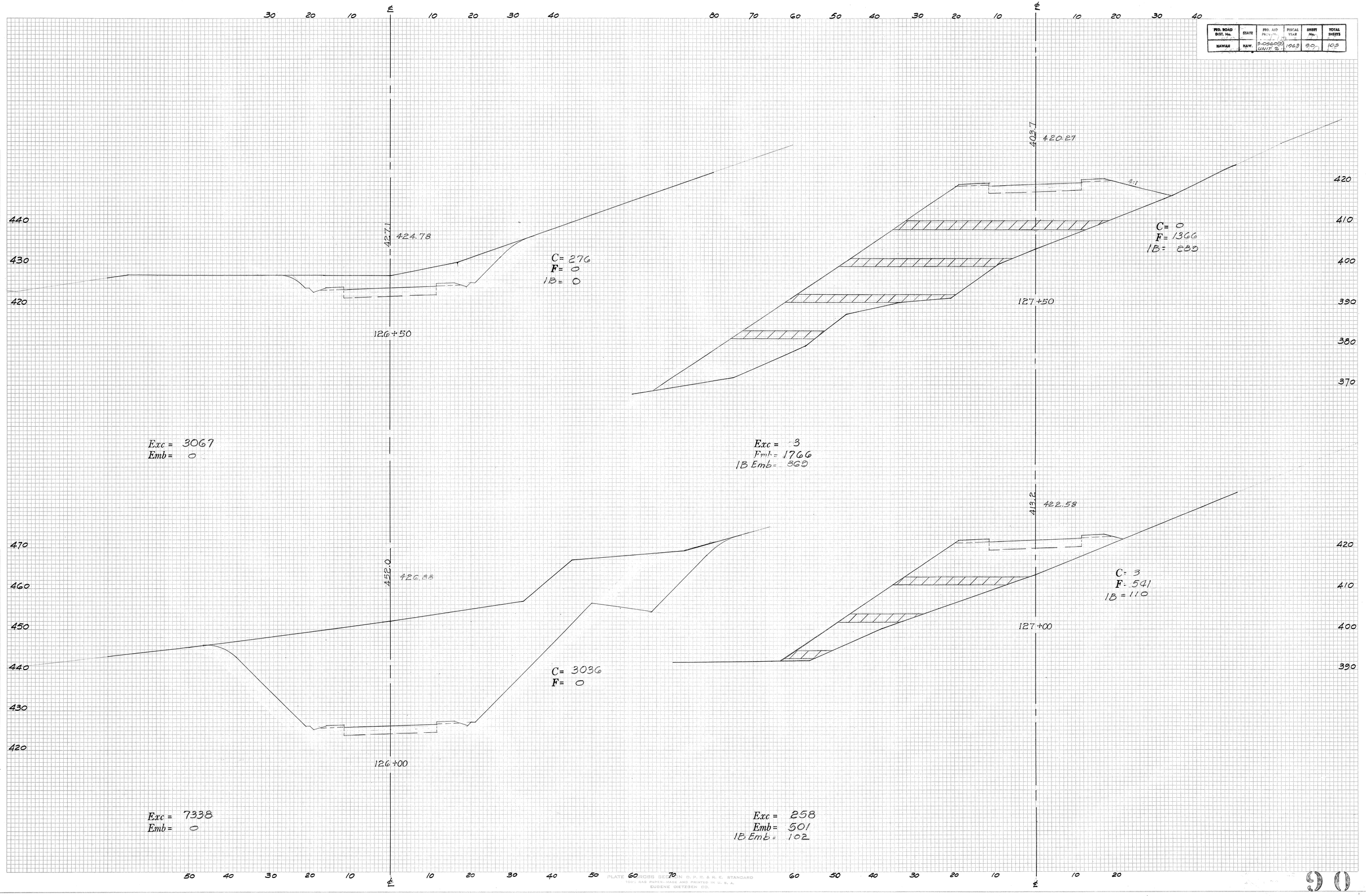
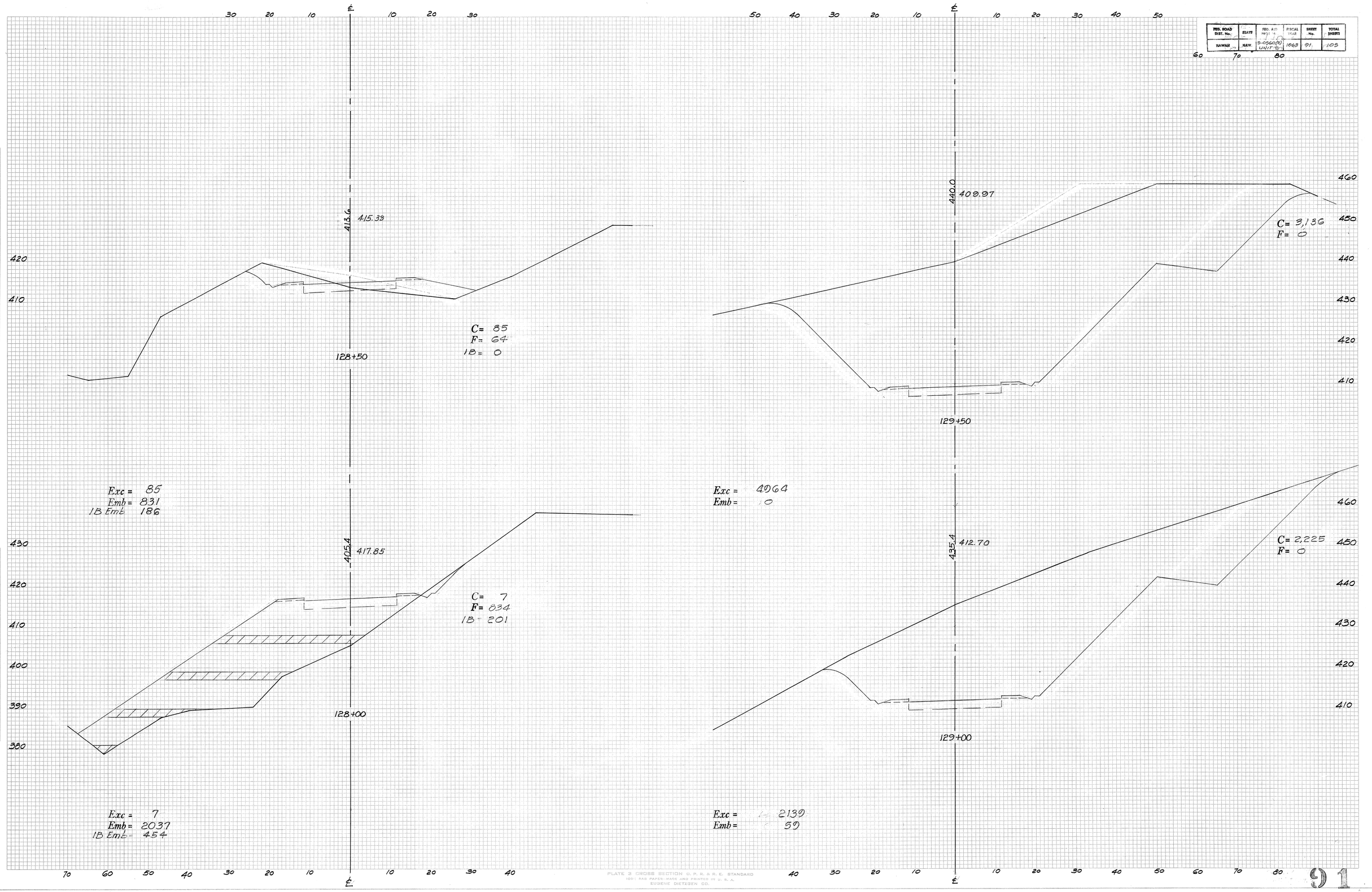


PLATE CROSS SECTION D. P. R. & R. E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.



FED. ROAD DIST. No.
STATE
FED. AID PROJ. No.
FISCAL YEAR
SHEET No.
TOTAL SHEETS
HAWAII
HAW.
S-0560(2) UNIT 8
1063
91
105
413.6
415.33
128+50
C= 85
F= 64
IB= 0
Exc = 85
Emb = 831
IB Emb 186
405.4
417.85
128+00
C= 7
F= 834
IB= 201
Exc = 7
Emb = 2037
IB Emb = 454
440.0
409.97
129+50
C= 3,136
F= 0
Exc = 4964
Emb = 0
435.4
412.70
129+00
C= 2,225
F= 0
Exc = 2139
Emb = 59
FINAL SURVEY
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE
PLATE 3 CROSS SECTION C. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.
91

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0660(8) UNIT 2	1963	92	105

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

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

60 40 20 ℄ 20 40 60

453.4
404.18
450
440
430
420
410
400
C= 4286
F= 0
130+50
Exc = 8107
Emb = 0

456.8
407.13
460
450
440
430
420
410
400
C= 4,567
F= 0
130+00
Exc = 7132
Emb = 0

40 20 ℄ 20 40 60

430.0
398.18
440
430
420
410
400
390
C= 2,675
F= 0
131+50
Exc = 5808
Emb = 0

439.7
401.18
440
430
420
410
400
C= 3,597
F= 0
131+00
Exc = 7200
Emb = 0

PLATE 3. CROSS SECTION C. P. K. & E. STANDARD
100 - RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0562(5) UNIT 2	1963	93	155

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

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

60 50 40 30 20 10 ℄ 10 20 30 40 50 60

430.1
392.18
132+50
C= 2,900
F= 0
Exc = 5519
Emb = 0

433.7
395.18
132+00
C= 3,060
F= 0
Exc = 5311
Emb = 0

50 40 30 20 10 ℄ 10 20 30 40 50

401.8
383.18
134+00
C= 1,259
F= 0
Exc = 2708
Emb = 0

410.8
386.18
133+50
C= 1,763
F= 0
Exc = 3750
Emb = 0

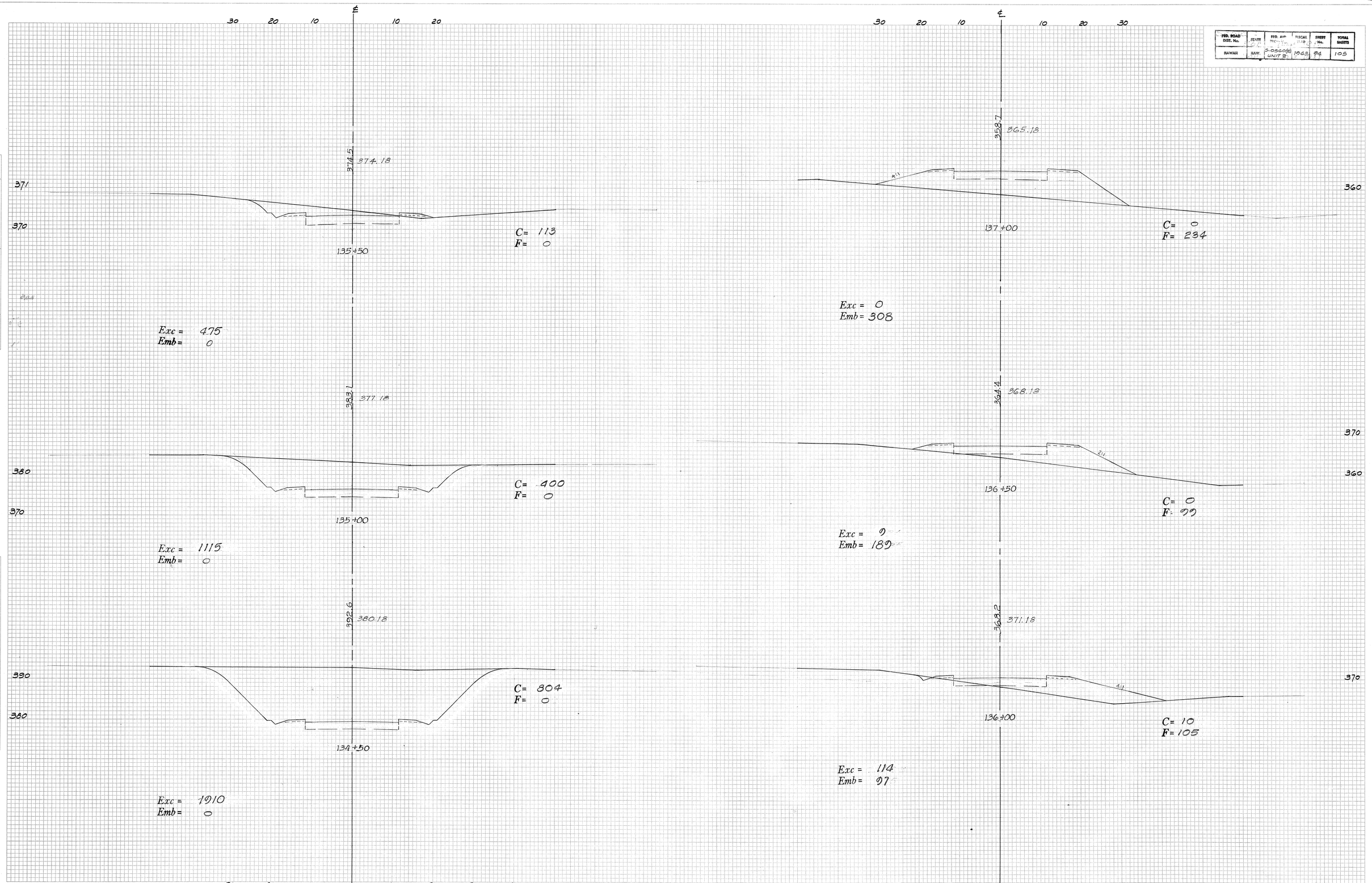
418.4
389.18
133+00
C= 2,287
F= 0
Exc = 4803
Emb = 0

430 420 410 400 390 380

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
1001 MAS PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

93

FED. ROAD DIST. No.	STATE	FED. AID PROJ.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	94	105

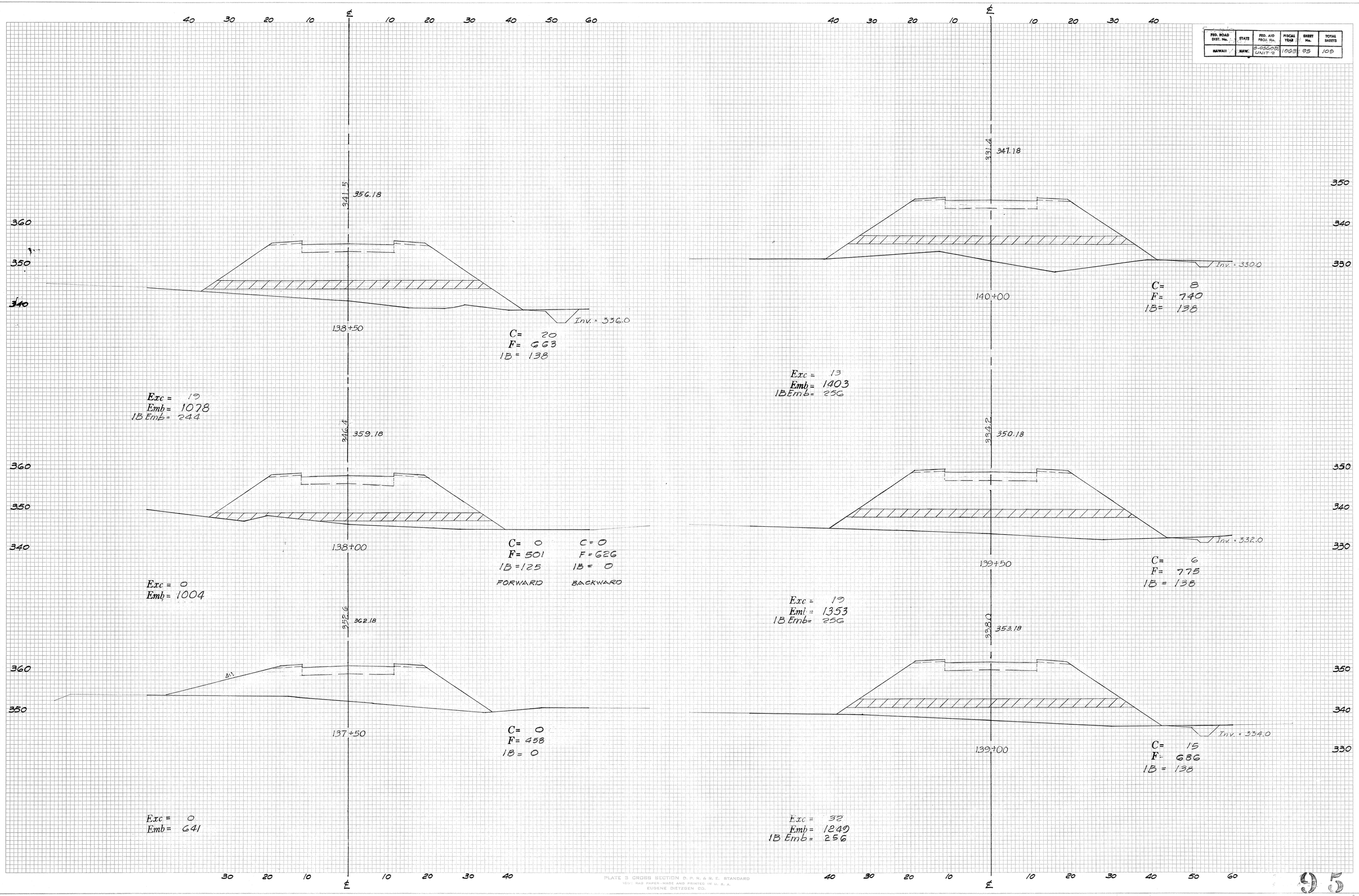


FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 3 CROSS SECTION C. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1963	95	105



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

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

PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

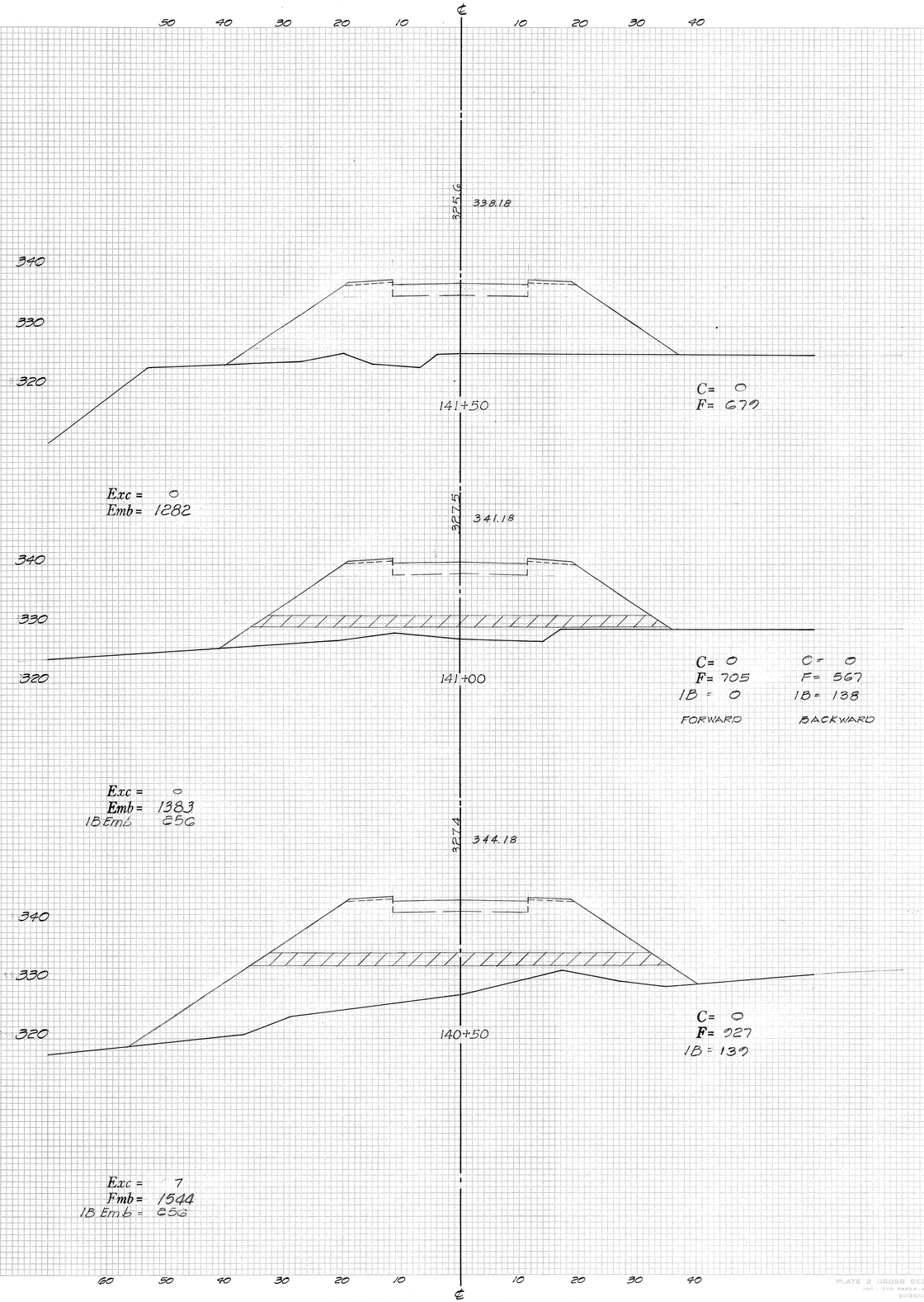
95

36

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-056(6) UNIT 2	1963	90	105

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

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



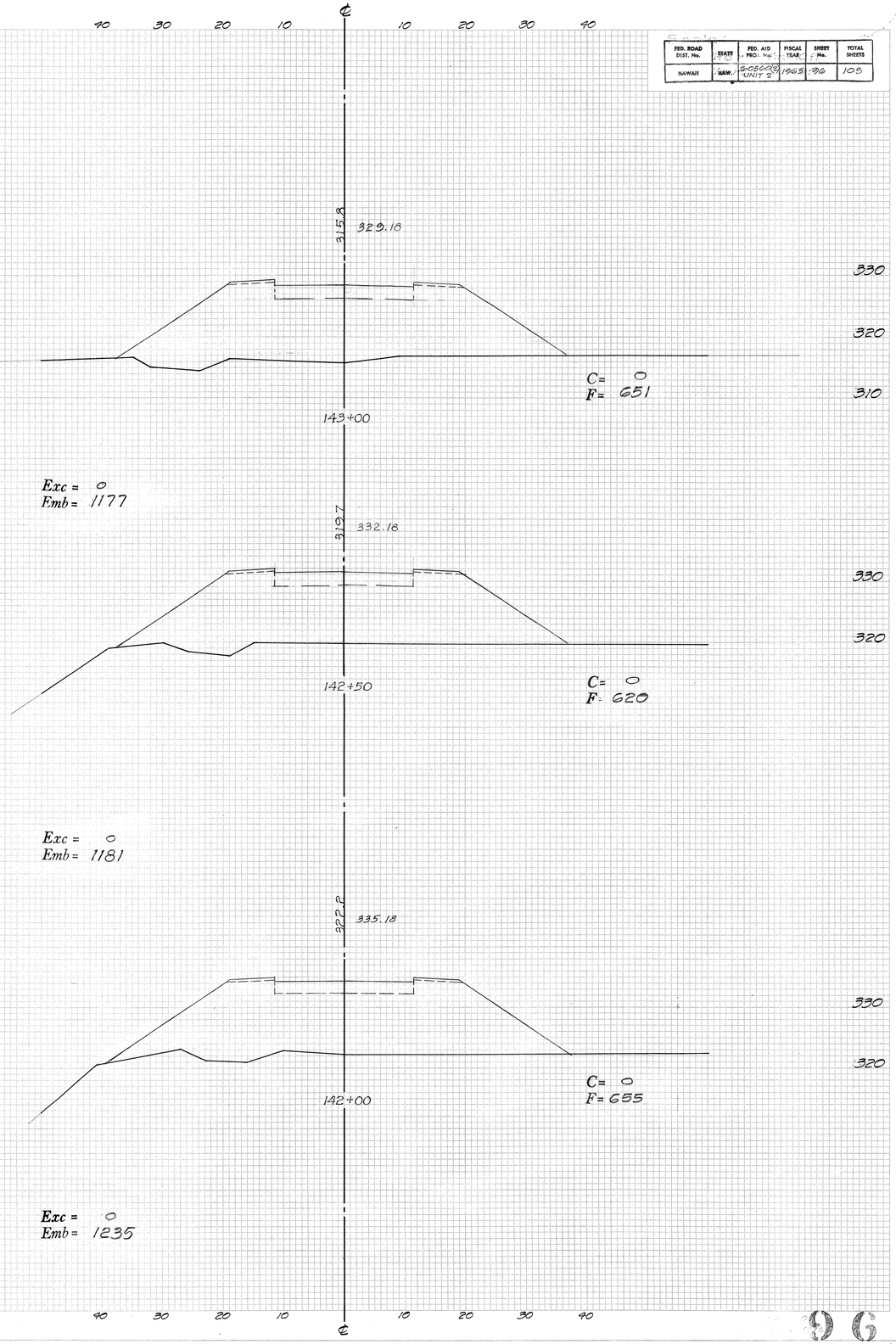
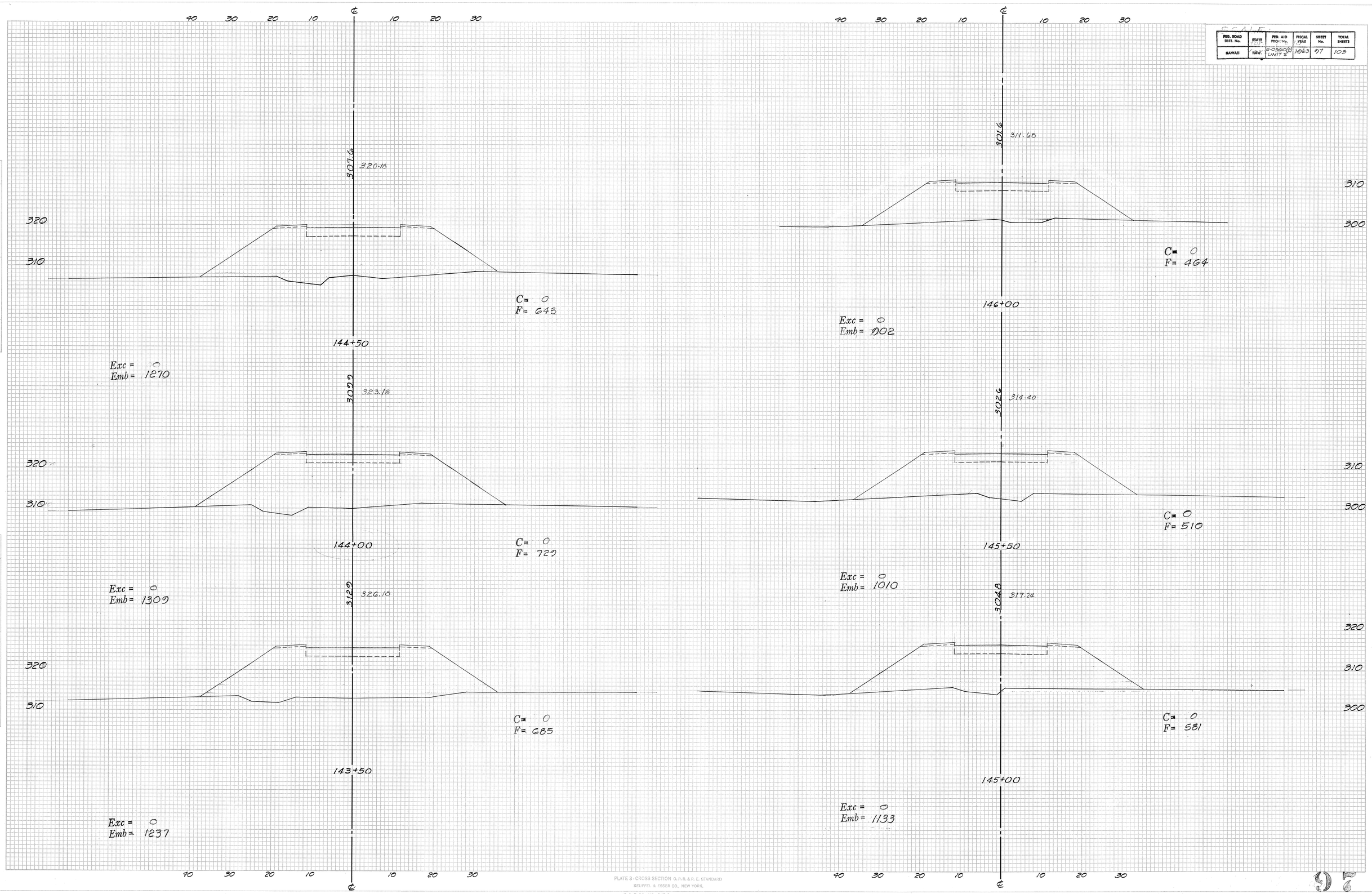


PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1963	97	105

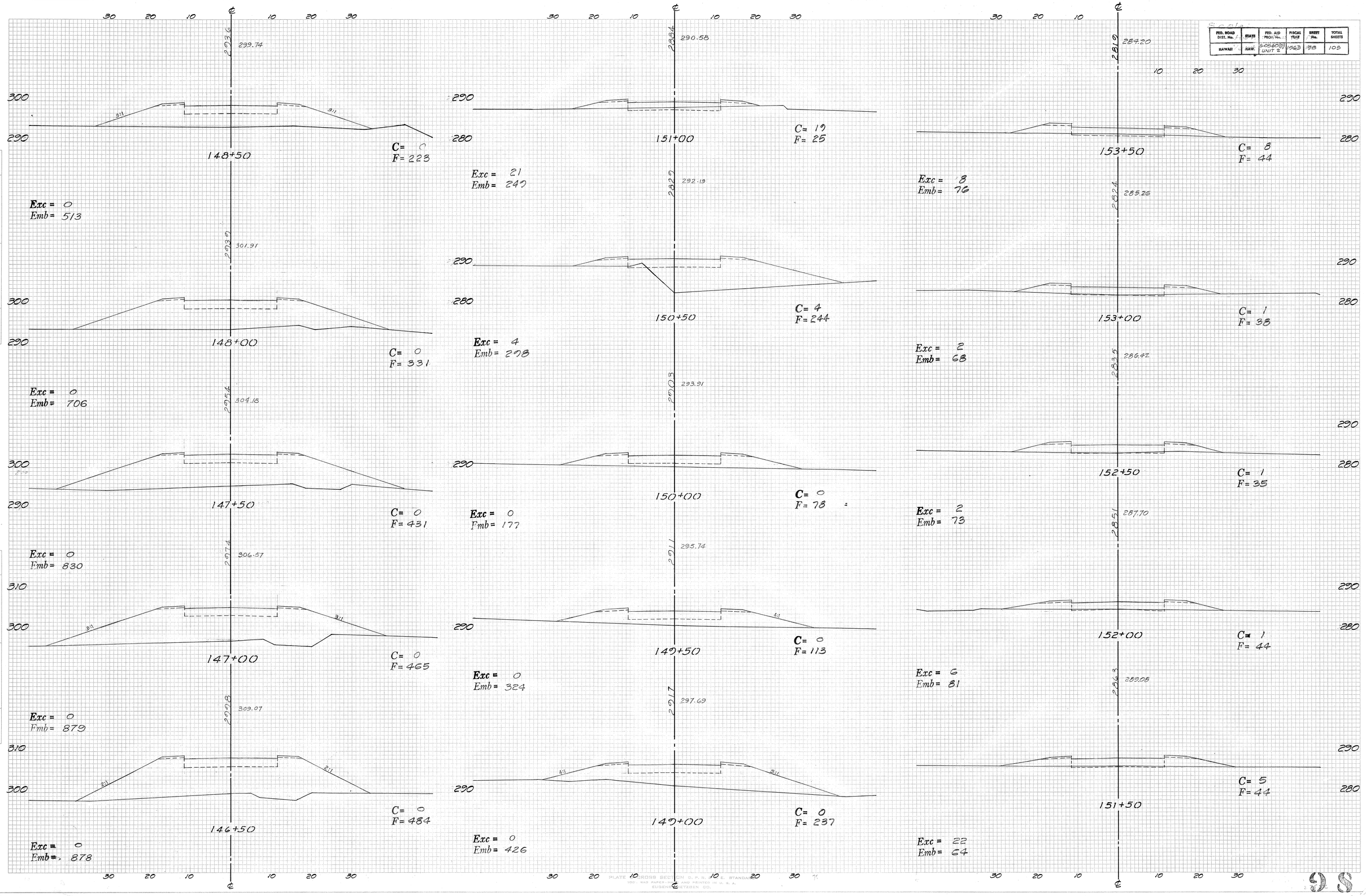


FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3 MADE IN U.S.A. 21070

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1963	198	105

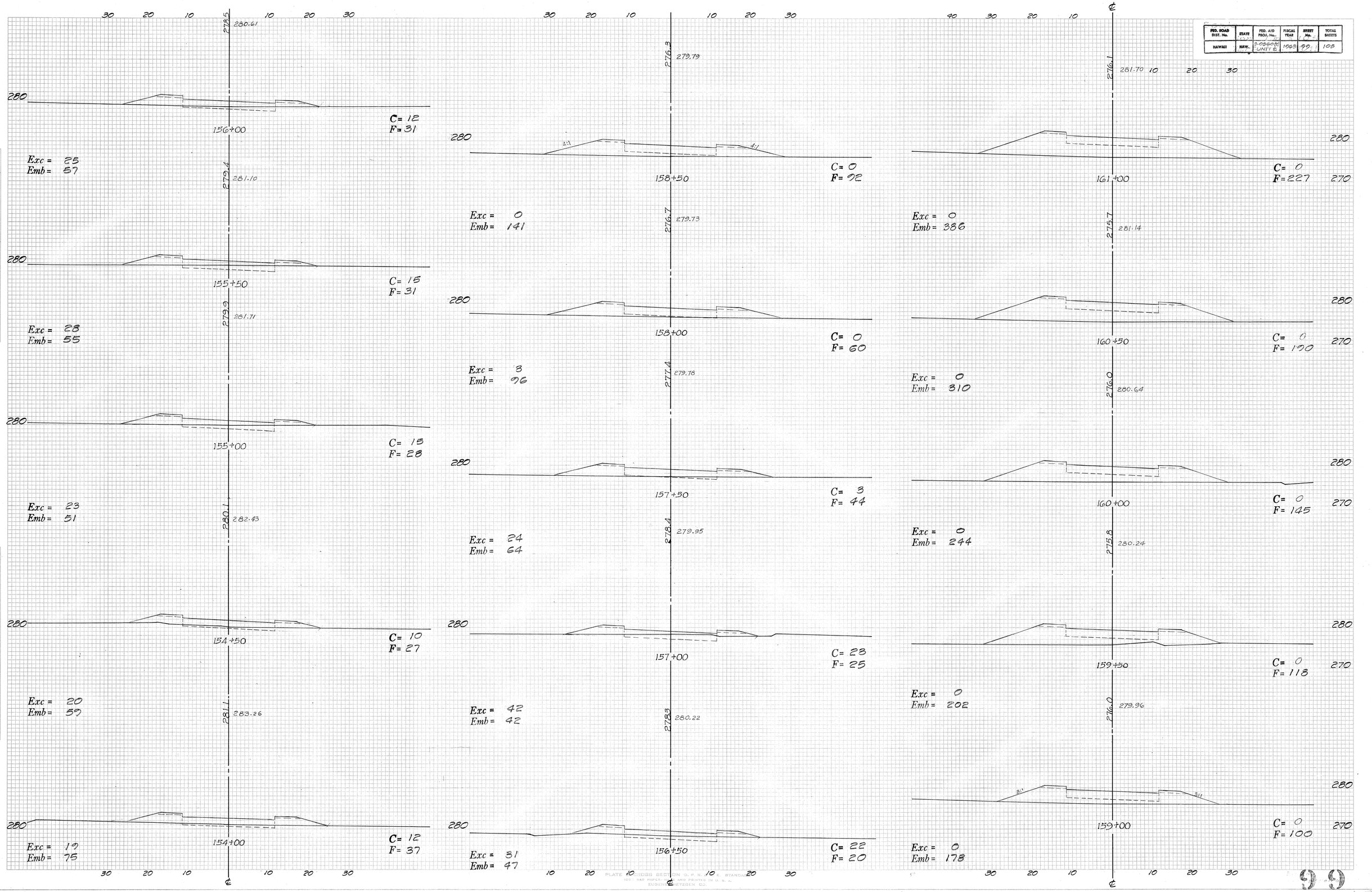


FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE CROSS SECTION O. P. R. 1 E. STANDARD
100 RAS PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	2-0560(2) UNIT 2	1963	99	105

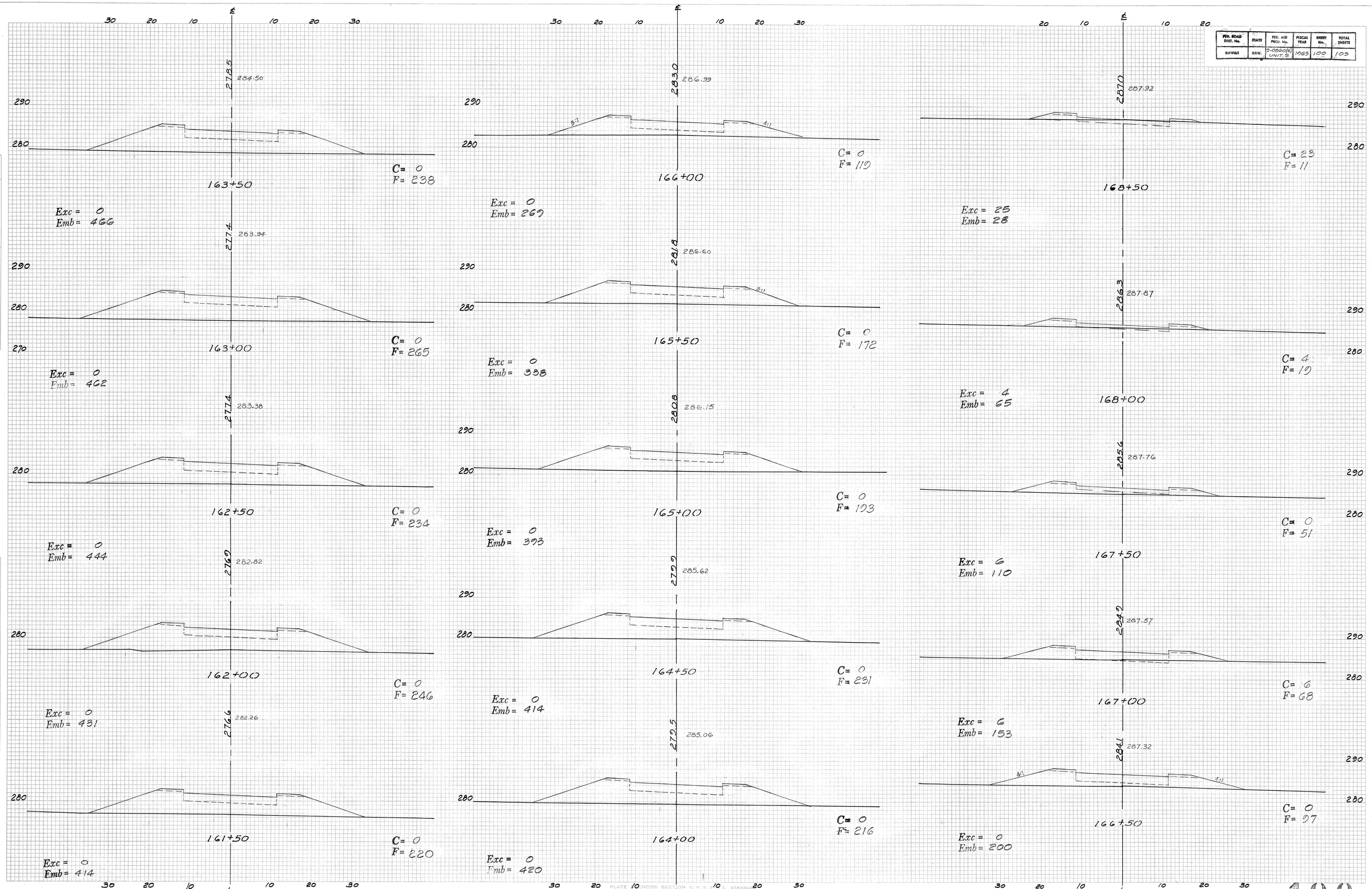


FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE CROSS SECTION O. P. R. R. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1963	100	105

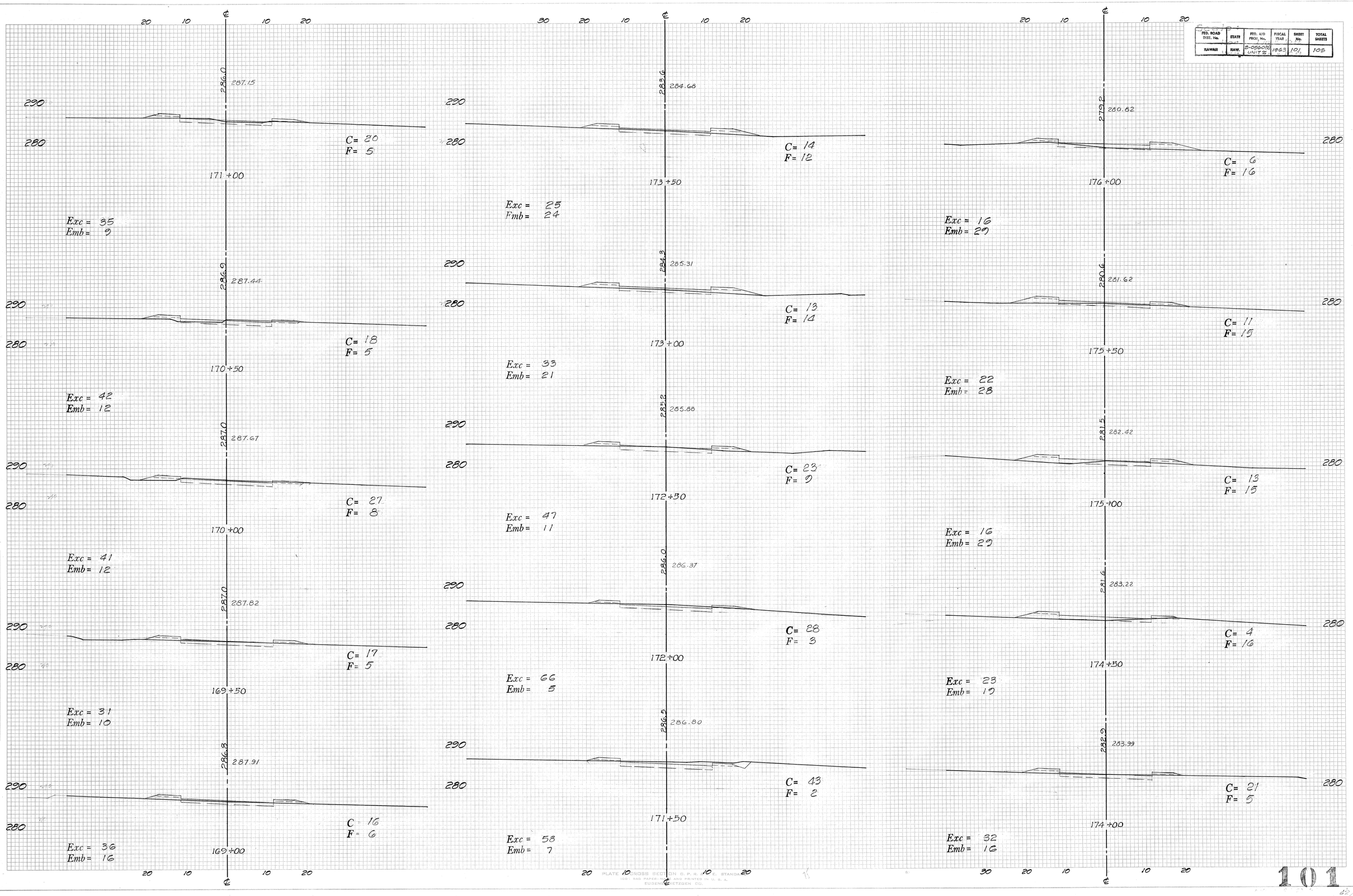


FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE 10 CROSS SECTION C. P. R. & R. E. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1963	101	105

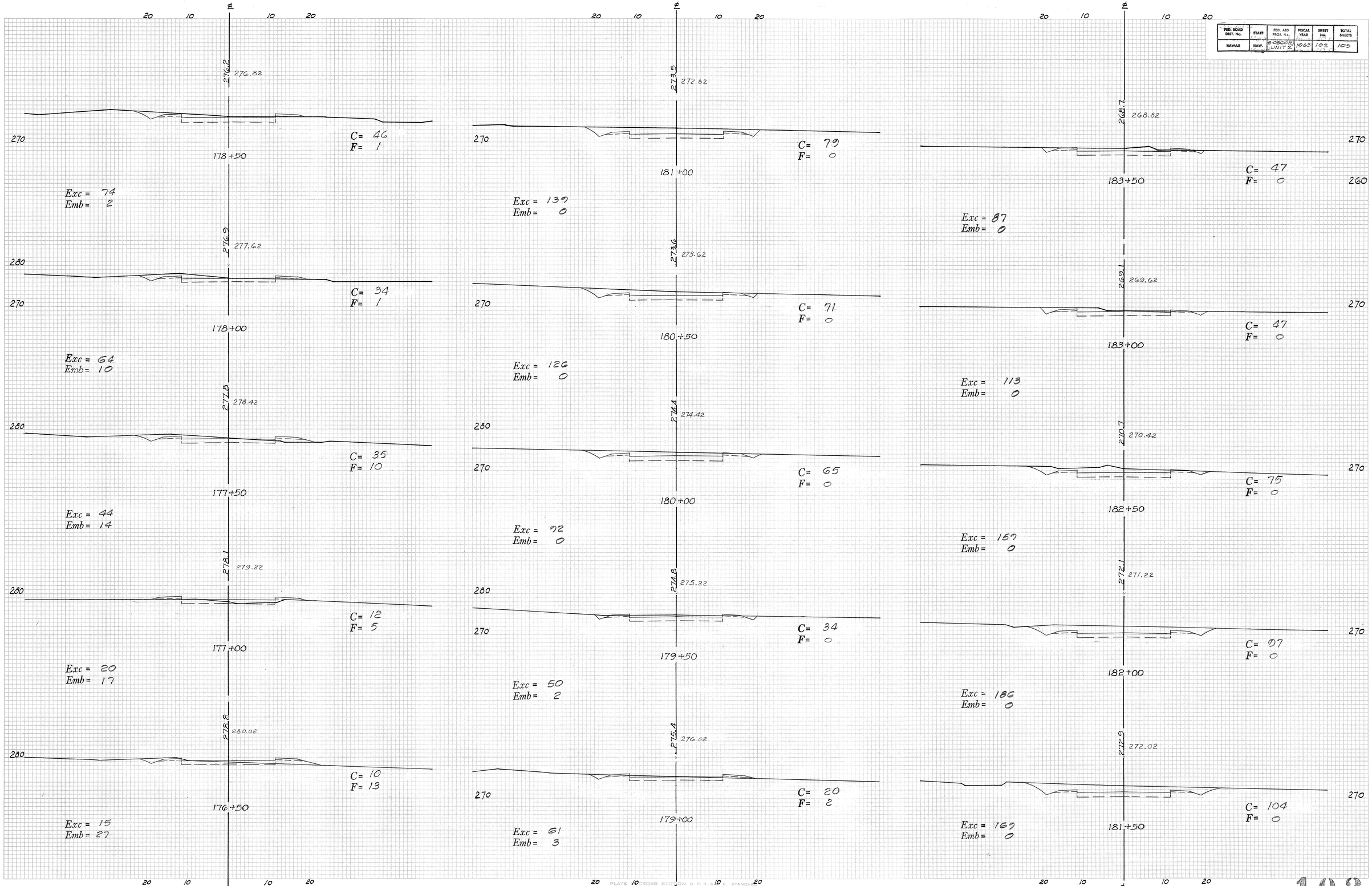


FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE CROSS SECTION G. P. R. & E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	102	105

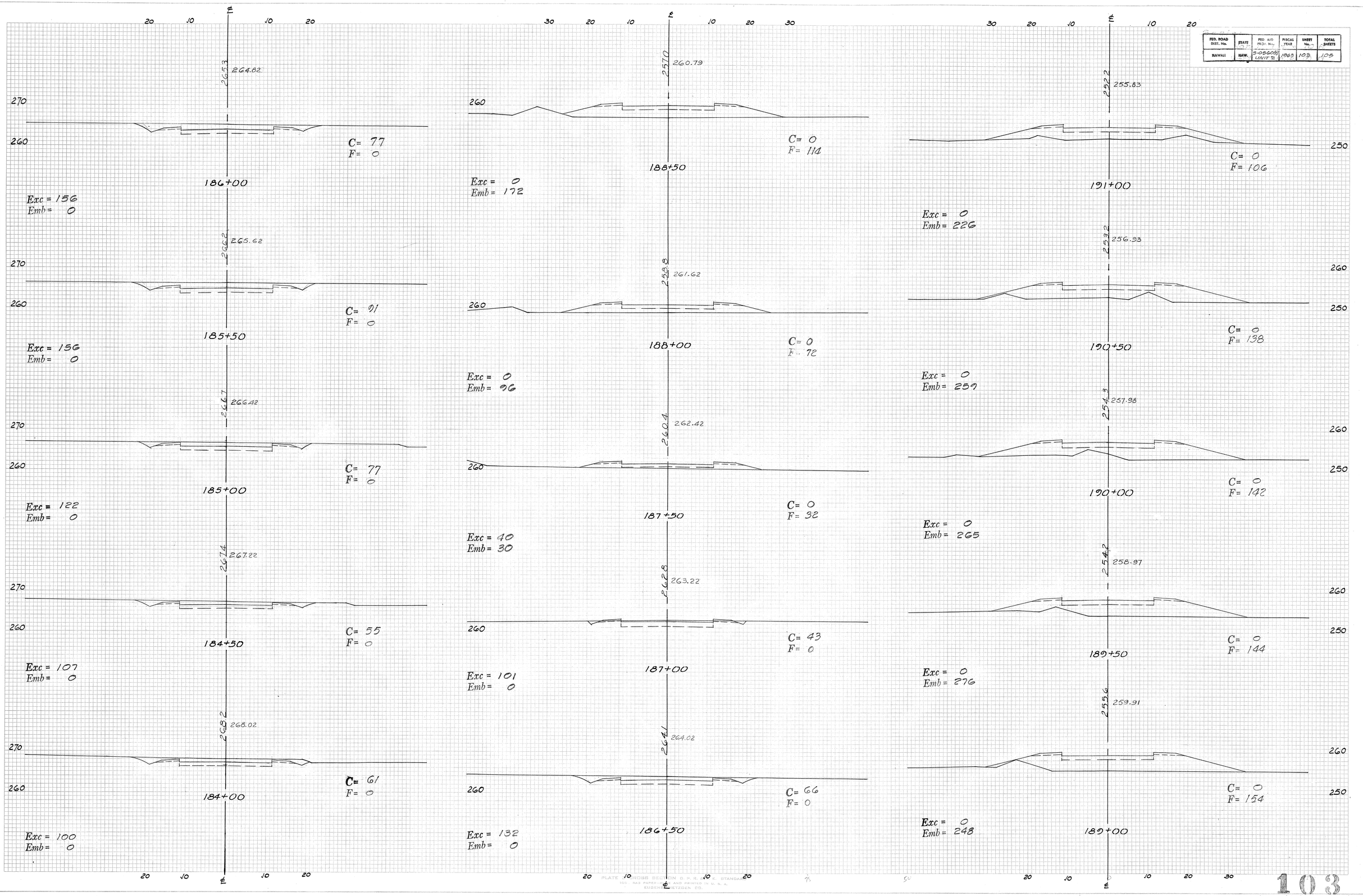


FINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

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

PLATE CROSS SECTION O. P. R. & E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

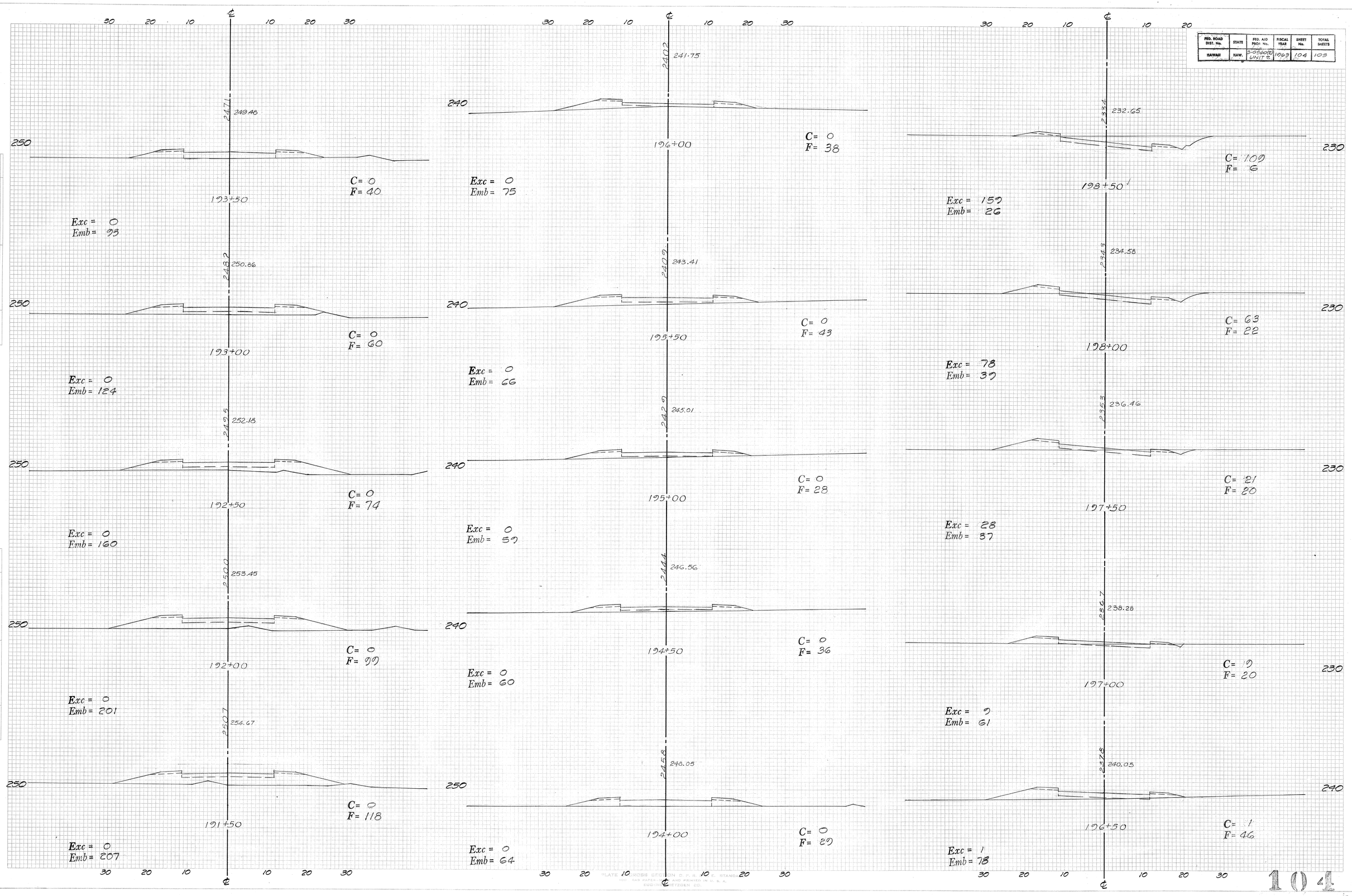
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(8) UNIT 2	1963	103	105



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

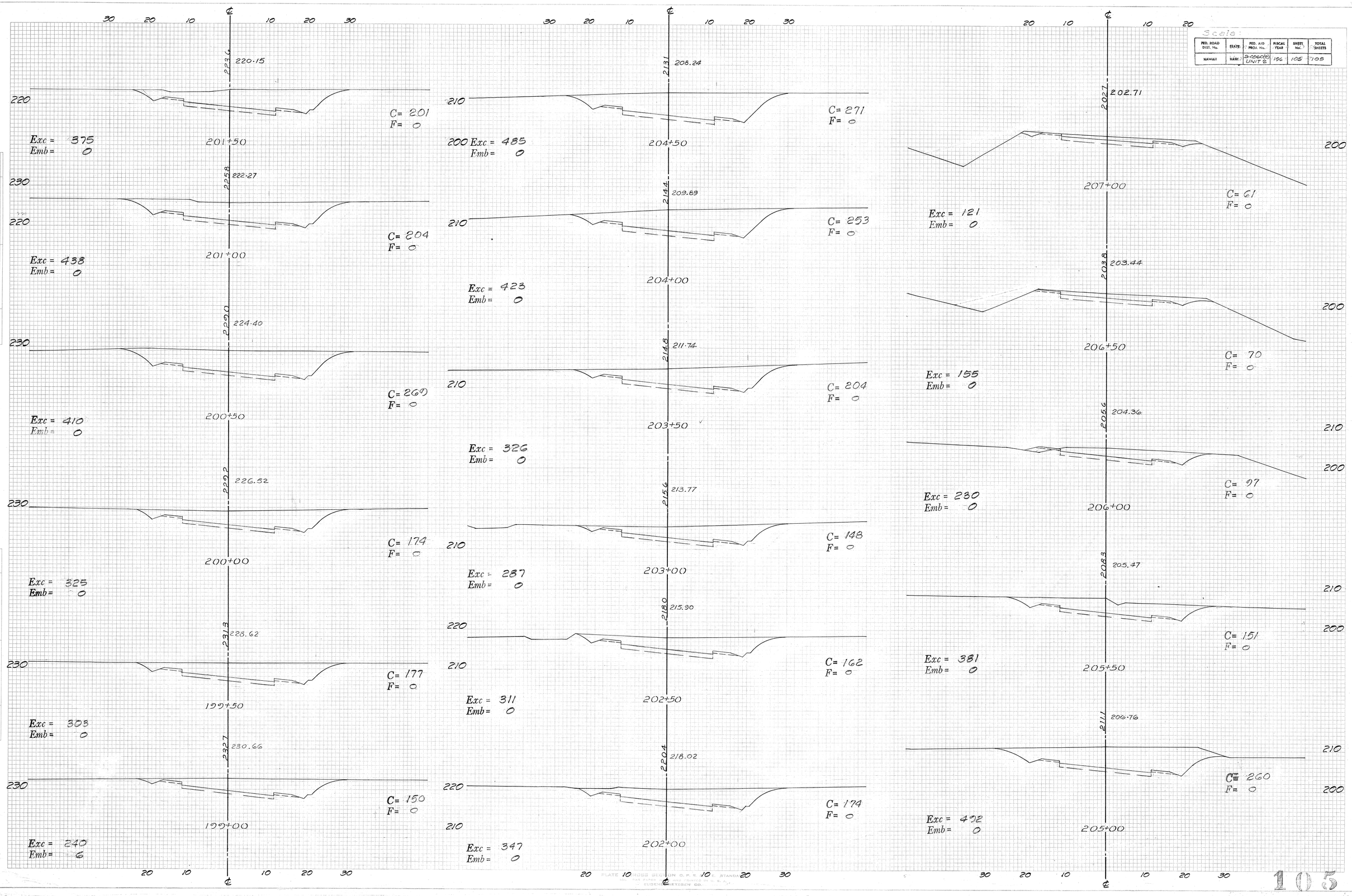
ORIGINAL SURVEY — NOTE BOOK NO. — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0560(2) UNIT 2	1963	104	105



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

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



Scale:
FED. ROAD DIST. No. | STATE | FED. AID PROJ. No. | FISCAL YEAR | SHEET No. | TOTAL SHEETS
HAWAII | HAW. | S-0560(2) UNIT 2 | 196 | 105 | 105
220.15
C= 201
F= 0
Exc = 375
Emb = 0
201+50
222.27
C= 204
F= 0
Exc = 438
Emb = 0
201+00
224.40
C= 269
F= 0
Exc = 410
Emb = 0
200+50
226.52
C= 174
F= 0
Exc = 325
Emb = 0
200+00
228.62
C= 177
F= 0
Exc = 303
Emb = 0
199+50
230.66
C= 150
F= 0
Exc = 240
Emb = 6
199+00
208.24
C= 271
F= 0
Exc = 485
Emb = 0
204+50
209.89
C= 253
F= 0
Exc = 423
Emb = 0
204+00
211.74
C= 204
F= 0
Exc = 326
Emb = 0
203+50
213.77
C= 148
F= 0
Exc = 287
Emb = 0
203+00
215.90
C= 162
F= 0
Exc = 311
Emb = 0
202+50
218.02
C= 174
F= 0
Exc = 347
Emb = 0
202+00
202.71
C= 61
F= 0
Exc = 121
Emb = 0
207+00
203.44
C= 70
F= 0
Exc = 155
Emb = 0
206+50
204.36
C= 97
F= 0
Exc = 230
Emb = 0
206+00
205.47
C= 151
F= 0
Exc = 381
Emb = 0
205+50
206.76
C= 260
F= 0
Exc = 492
Emb = 0
205+00
FINAL SURVEY
ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE