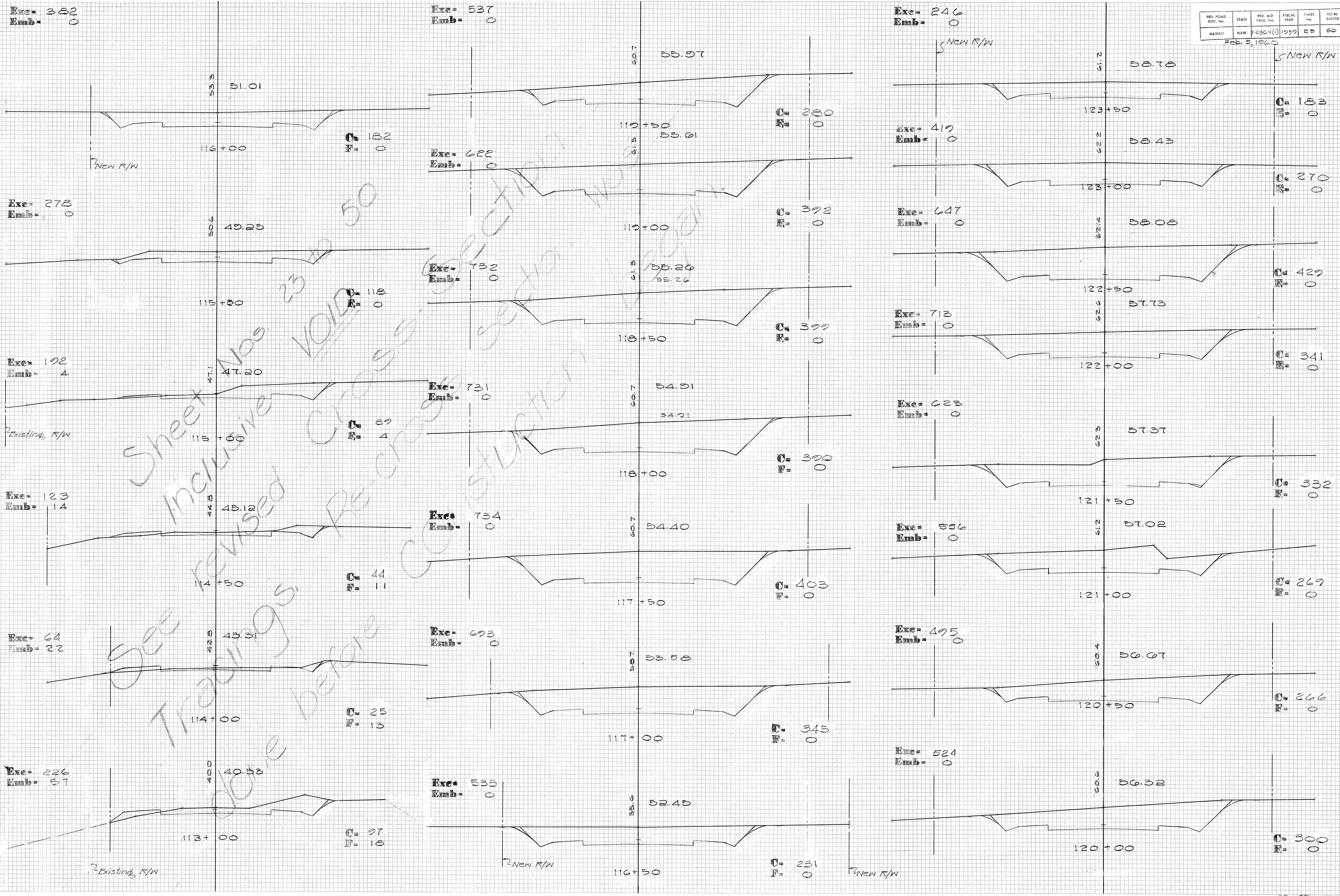
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-036-1(1)	1959	23	50

Feb. 5, 1960

Sheet Nos 23 to 50
Inclusive VOID
See revised Cross-section
Tracings. Re-cross-section was
done before construction began.



Exc= 382
Emb= 0
53.3
51.01
116+00
C= 182
F= 0
New R/W
Exc= 278
Emb= 0
50.6
49.25
115+50
C= 118
F= 0
Exc= 192
Emb= 4
47.1
47.20
Existing R/W
115+00
C= 89
F= 4
Exc= 123
Emb= 14
44.8
45.12
114+50
C= 44
F= 11
Exc= 64
Emb= 22
42.8
43.31
114+00
C= 25
F= 13
Exc= 226
Emb= 37
40.0
40.53
113+00
C= 97
F= 18
Existing R/W
Exc= 537
Emb= 0
60.7
55.97
119+50
C= 280
F= 0
Exc= 622
Emb= 0
61.5
55.61
119+00
C= 392
F= 0
Exc= 732
Emb= 0
61.3
55.26
55.26
118+50
C= 399
F= 0
Exc= 731
Emb= 0
60.7
54.91
54.91
118+00
C= 390
F= 0
Exc= 734
Emb= 0
60.7
54.40
117+50
C= 403
F= 0
Exc= 693
Emb= 0
58.7
53.58
117+00
C= 345
F= 0
Exc= 533
Emb= 0
55.6
52.45
116+50
C= 231
F= 0
New R/W
New R/W
Exc= 246
Emb= 0
New R/W
61.2
58.78
123+50
New R/W
C= 183
F= 0
Exc= 419
Emb= 0
62.2
58.43
123+00
C= 270
F= 0
Exc= 647
Emb= 0
62.4
58.08
122+50
C= 429
F= 0
Exc= 713
Emb= 0
62.6
57.73
122+00
C= 341
F= 0
Exc= 623
Emb= 0
62.3
57.37
121+50
C= 332
F= 0
Exc= 556
Emb= 0
61.2
57.02
121+00
C= 269
F= 0
Exc= 495
Emb= 0
60.4
56.67
120+50
C= 266
F= 0
Exc= 524
Emb= 0
60.6
56.32
120+00
C= 300
F= 0

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 3 CROSS SECTION D. P. R. & H. 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.	F-036-1(1)	1959	24	50

Feb 5, 1960

Exc= 0
Emb= 904
52.72
60.55
C= 0
F= 447
126+00
Exc= 0
Emb= 707
54.60
60.19
C= 0
F= 316
125+50
Exc= 0
Emb= 416
56.67
59.84
C= 0
F= 133
125+00
Exc= 0
Emb= 163
57.78
59.49
C= 0
F= 43
124+50
Exc= 77
Emb= 40
59.74
59.14
New R/W
C= 83
F= 0
New R/W
124+00
EQUATION
123+83.76
139+05.85
Exc=
Emb=
61.17
C=
F=
139+50
Exc= 0
Emb= 4429
29.84
62.31
C= 0
F= 2377
128+50
New R/W
Exc= 0
Emb= 3367
43.03
61.95
C= 0
F= 1259
128+00
Exc= 0
Emb= 1786
49.68
61.60
C= 0
F= 670
127+50
Exc= 0
Emb= 1212
49.90
61.25
C= 0
F= 639
127+00
Exc= 0
Emb= 1081
52.24
60.90
C= 0
F= 529
126+50
Exc= 0
Emb= 671
56.13
64.07
New R/W
C= 0
F= 411
131+00
Exc= 0
Emb= 1007
51.87
63.72
C= 0
F= 676
130+50
Exc= 0
Emb= 1531
48.11
63.36
C= 0
F= 977
130+00
Exc= 0
Emb= 2190
44.90
63.01
C= 0
F= 1388
129+50
Exc= 0
Emb= 3513
32.52
62.66
C= 0
F= 2406
129+00

NOTE:
Sta. 128+00 to 130+00 – 100' R/W (Rt.)

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

OK

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-036-1(1)	1959	25	50

Feb. 5, 1960

Exc= 729
Emb= 0
72.06
66.89
C= 371
F= 0
135+00
Exc= 685
Emb= 0
70.76
66.53
C= 304
F= 0
134+50
Exc= 489
Emb= 0
68.92
66.18
C= 224
F= 0
134+00
Exc= 308
Emb= 0
66.70
65.83
C= 109
F= 0
133+50
Exc= 136
Emb= 3
65.26
65.48
C= 38
F= 3
133+00
New R/W
Exc= 35
Emb= 107
62.63
65.12
0
112
132+50
Exc= 0
Emb= 297
60.58
64.77
0
209
132+00
Exc= 0
Emb= 484
58.58
64.42
New R/W
C= 0
F= 314
131+50
Exc= 787
Emb= 0
75.28
69.00
C= 463
F= 0
138+00
Exc= 846
Emb= 0
75.08
68.65
C= 451
F= 0
137+50
Exc= 791
Emb= 0
74.71
68.29
C= 403
F= 0
137+00
Exc= 765
Emb= 0
74.21
67.94
C= 423
F= 0
136+50
Exc= 769
Emb= 0
73.64
67.59
C= 407
F= 0
136+00
Exc= 762
Emb= 0
73.00
67.24
C= 416
F= 0
135+50
Exc= 82
Emb= 147
New R/W
71.88
70.76
New R/W
C= 89
F= 0
140+50
Exc= 256
Emb= 0
73.21
70.41
C= 187
F= 0
140+00
Exc= 431
Emb= 0
74.35
70.06
C= 279
F= 0
139+50
Exc= 569
Emb= 0
75.01
69.70
C= 335
F= 0
139+00
Exc= 665
Emb= 0
75.41
69.35
C= 387
F= 0
138+50

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.	F-036-1(1)	1959	26	50

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

Exc= 0
Emb=7645
72.52
HEADWALL
48" ESRCC PIPE
INV.=25.5
36.7
143+00
NEW R/W
HEADWALL
INV.=31.5
C= 0
F= 4409
Exc= 0
Emb=2752
73.93
NEW R/W
52.1
145+00
C= 0
F=1591
73.58
Exc= 0
Emb= 3205
50.1
144+50
C= 0
F=1870
72.17
Exc= 0
Emb=7107
39.0
142+50
C= 0
F= 3267
73.23
Exc= 0
Emb= 4023
71.82
Exc= 0
Emb=3901
37.2
142+00
45.3
144+00
C= 0
F= 946
C= 0
F= 2475
71.47
Exc= 0
Emb=1307
141+50
C= 0
F= 466
72.87
Exc= 0
Emb= 5858
34.0
Exc= 0
Emb=570
71.11
141+00
NEW R/W
NEW R/W
C= 0
F= 159
143+50
C= 0
F= 3852

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.	F-036-1(1)	1959	27	50

Feb. 5, 1960

Exc= 0
Emb= 758
78.54
71.2
148+50
C= 0
F= 403
Exc= 0
Emb= 821
69.0
77.62
148+00
C= 0
F= 484
Exc= 0
Emb= 944
67.2
76.78
147+50
C= 0
F= 535
Exc= 0
Emb= 1119
63.0
76.04
147+00
C= 0
F= 674
Exc= 0
Emb= 1339
75.38
63.2
146+50
C= 0
F= 772
Exc= 0
Emb= 1633
74.82
59.4
146+00
C= 0
F= 992
Exc= 0
Emb= 2197
74.32
55.2
145+50
C= 0
F= 1381
Exc= 0
Emb= 522
89.04
85.0
152+50
C= 0
F= 258
Exc= 0
Emb= 411
83.6
87.43
152+00
C= 0
F= 186
Exc= 0
Emb= 330
85.89
81.5
151+50
C= 0
F= 235
Exc= 0
Emb= 514
84.45
78.0
151+00
C= 0
F= 320
Exc= 0
Emb= 587
71.0
83.09
150+50
C= 0
F= 314
Exc= 0
Emb= 584
73.8
81.83
150+00
C= 0
F= 317
Exc= 0
Emb= 594
74.2
80.64
149+50
C= 0
F= 324
New R/W
Exc= 0
Emb= 685
72.0
79.55
149+00
C= 0
F= 416
Exc= 0
Emb= 2980
98.80
New R/W
73.3
155+30
C= 0
F= 1435
Exc= 0
Emb= 2394
97.05
80.0
154+80
C= 0
F= 1150
Exc= 0
Emb= 1861
95.30
81.4
154+30
C= 0
F= 860
Exc= 0
Emb= 1329
93.55
83.3
153+80
C= 0
F= 575
Exc= 0
Emb= 872
91.80
84.8
153+30
C= 0
F= 367
Exc= 0
Emb= 374
90.75
85.9
153+00
C= 0
F= 306

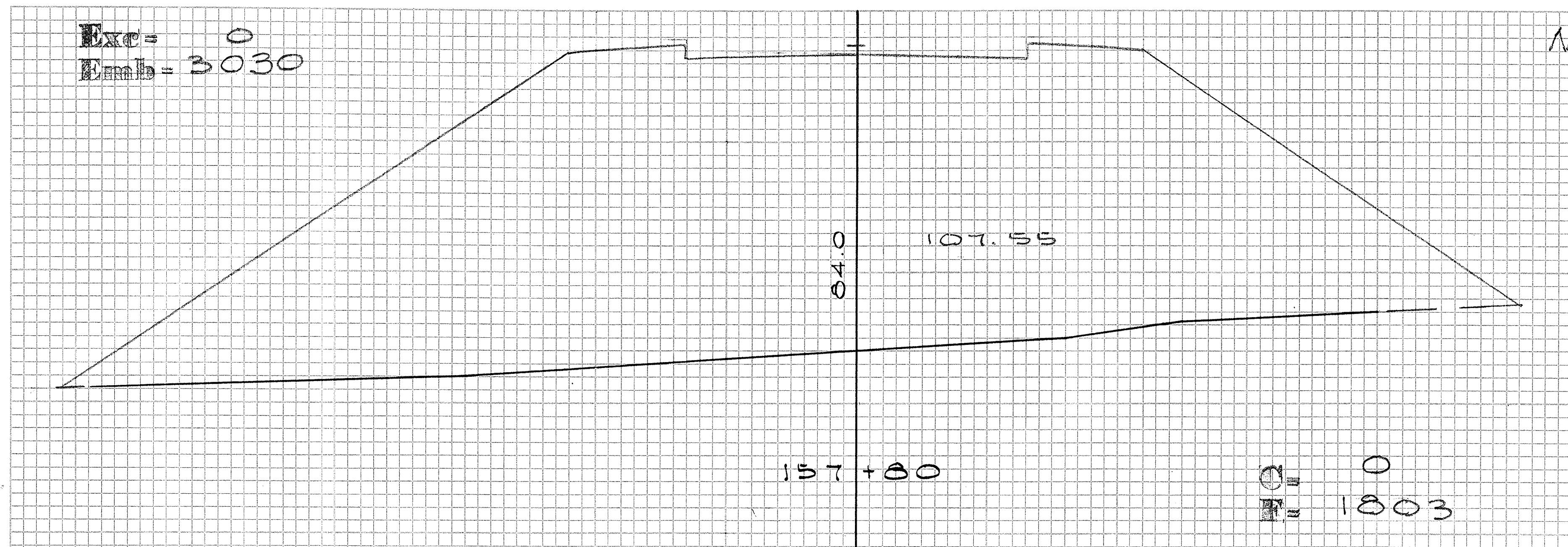
NOTE: Sta. 149+00 to
179+00 Left, R/W
follows top of bluff.
See Plan & Profile Shts.

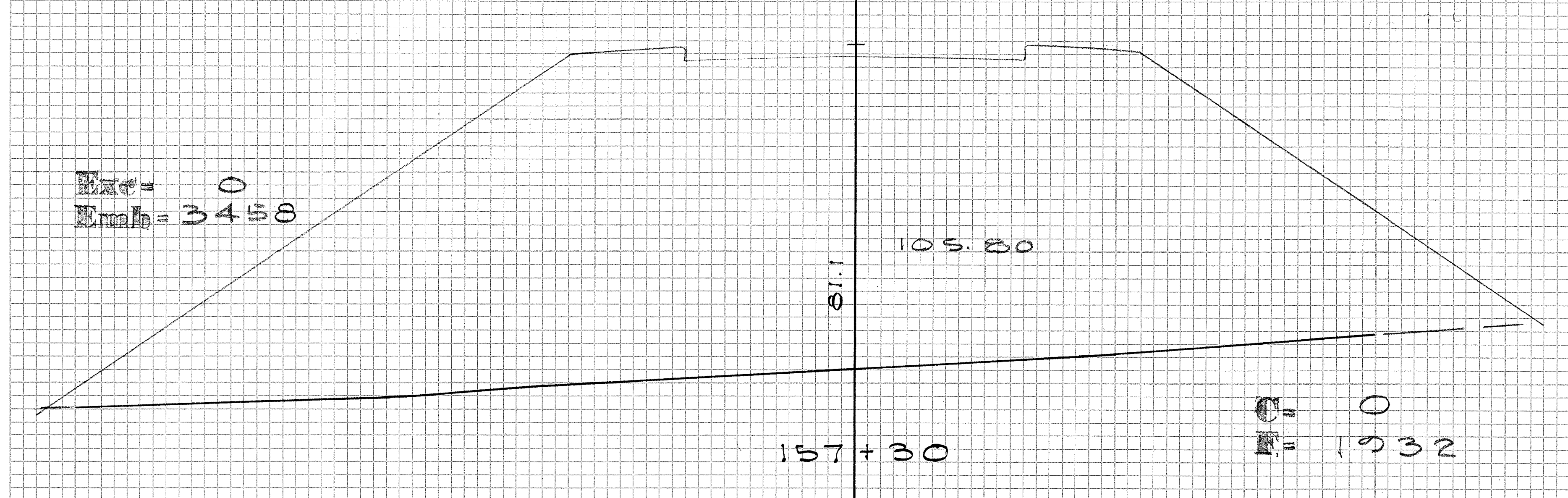
PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

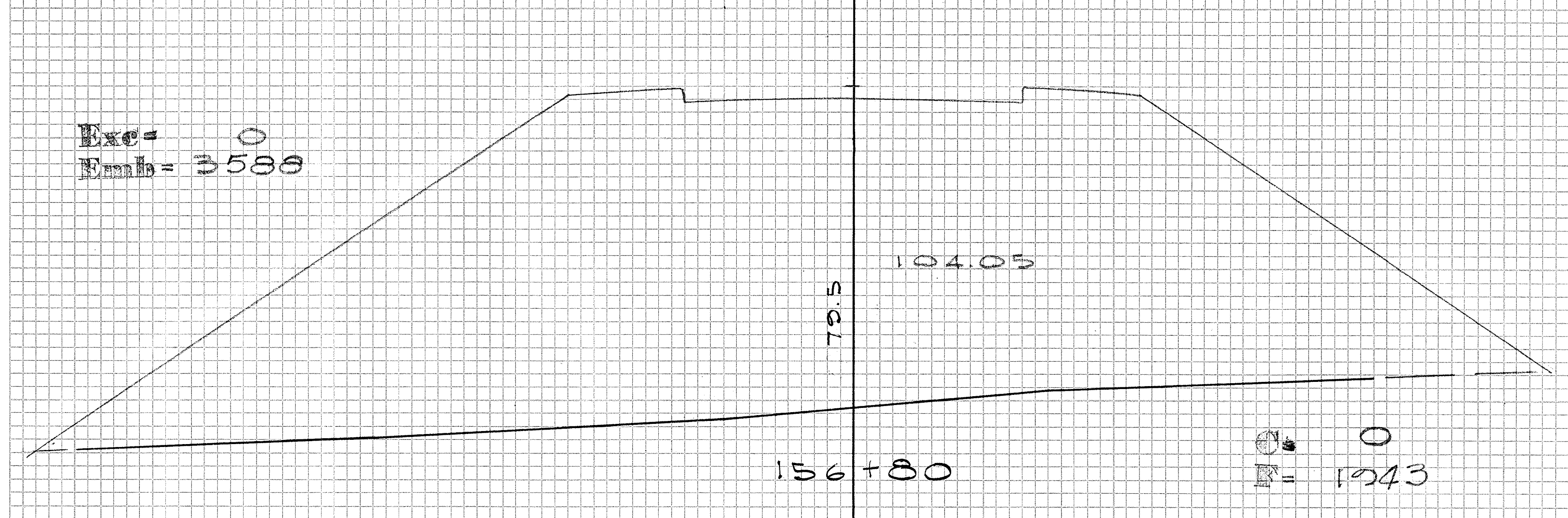
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-036-1(1)	1959	28	50

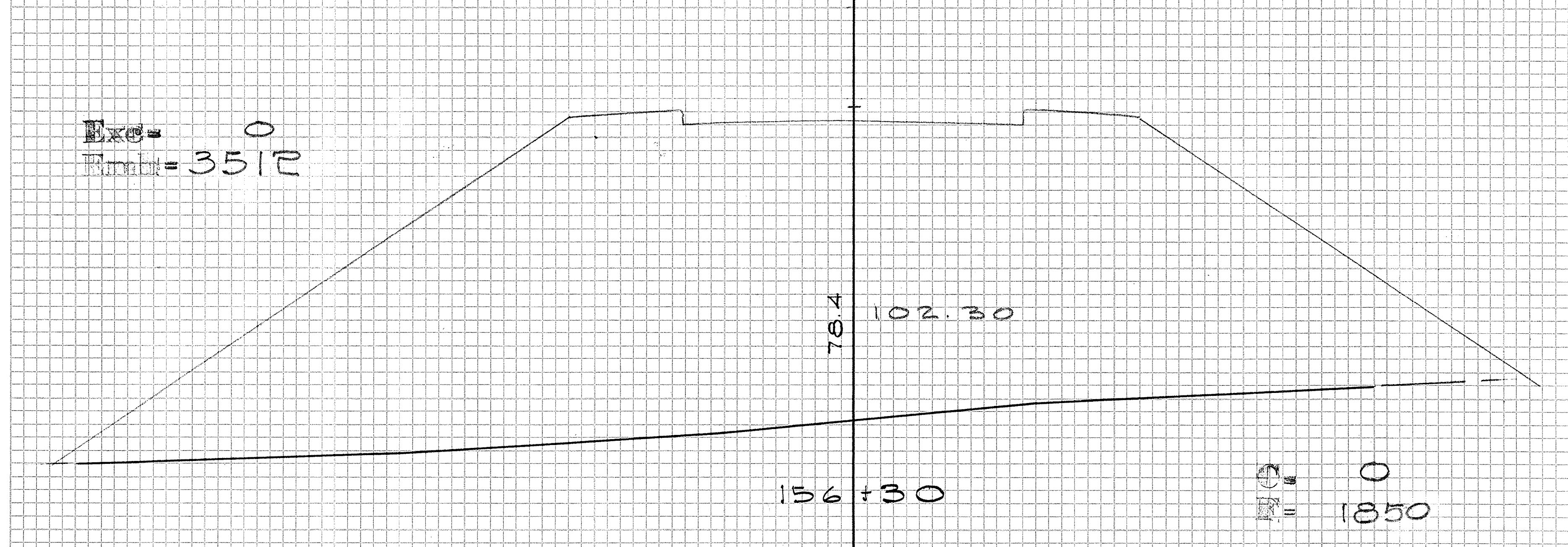
FINAL SURVEY
SURVEYED ____
PLOTTED ____
TEMPLATE ____
AREAS ____
AREAS CHECKED ____
NOTE BOOK
NO. ____
BY
DATE

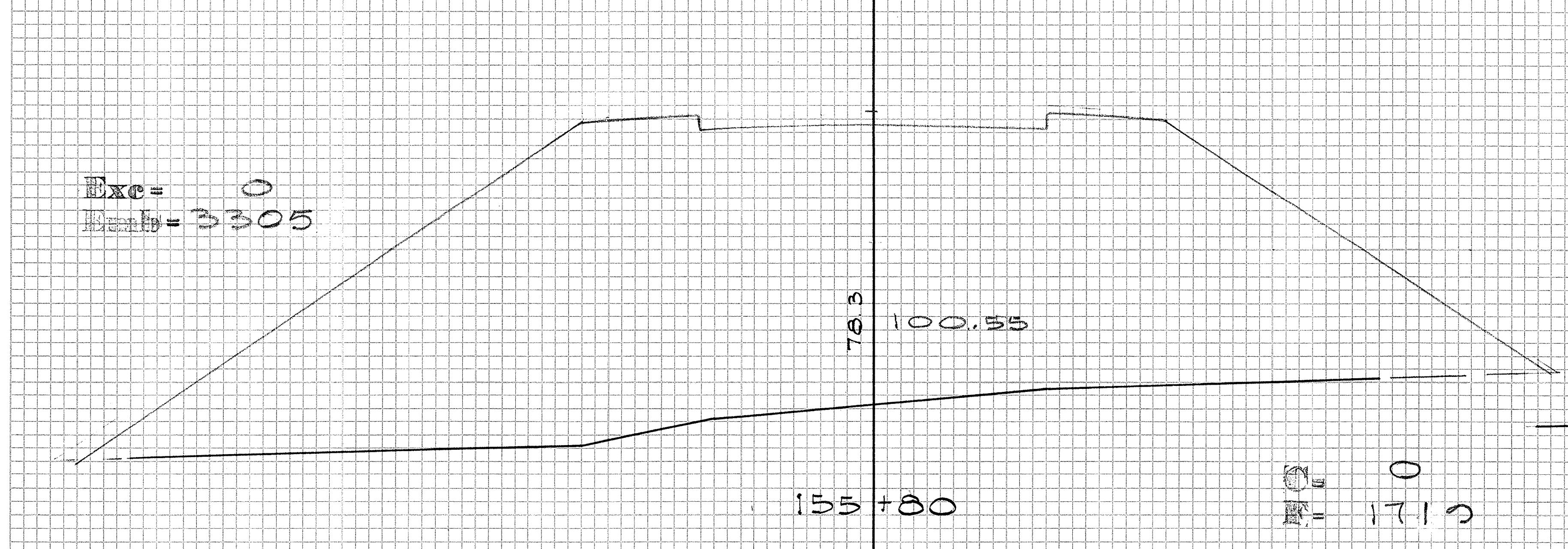
ORIGINAL SURVEY
SURVEYED ____
PLOTTED ____
TEMPLATE ____
AREAS ____
AREAS CHECKED ____
NOTE BOOK
NO. ____
BY
DATE

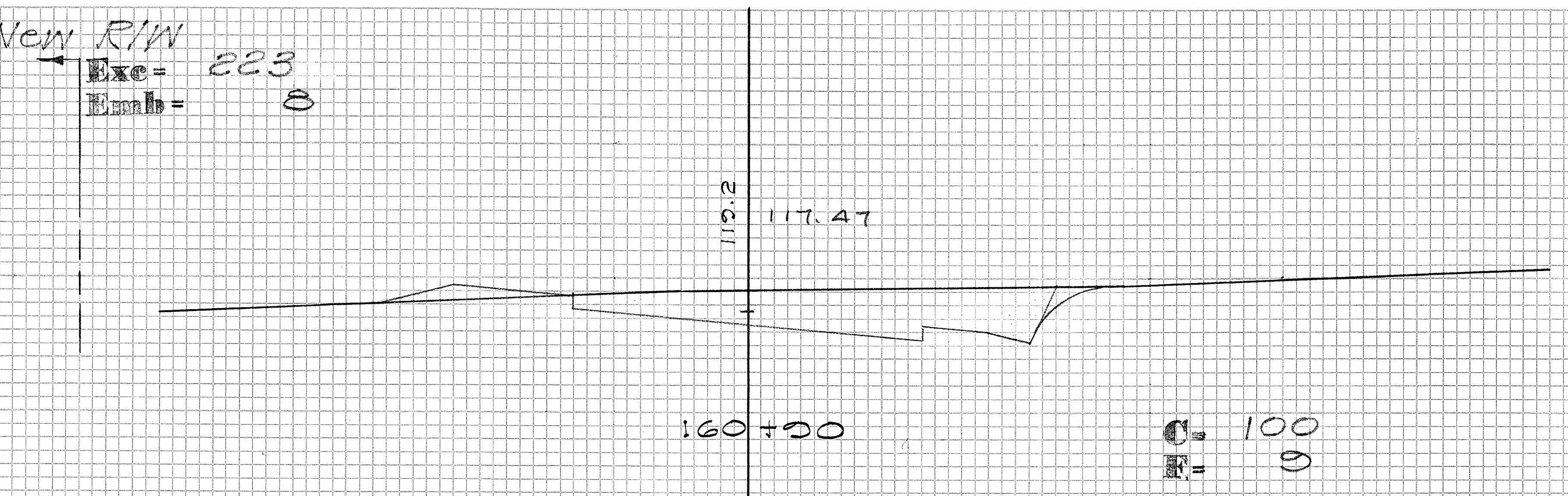

Exc= 0
Emb= 3030
84.0
107.55
157+80
C= 0
F= 1803

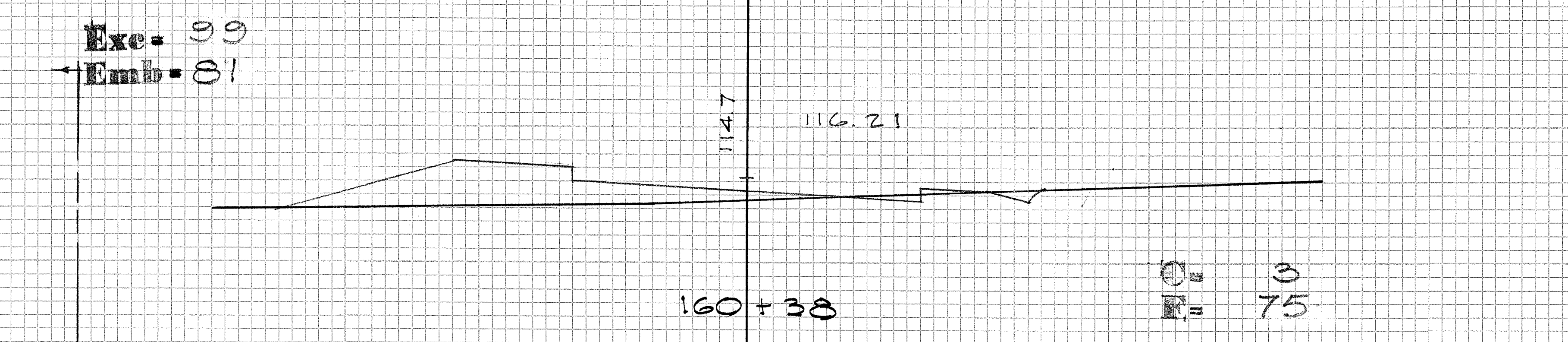

Exc= 0
Emb= 3458
81.1
105.80
157+30
C= 0
F= 1932

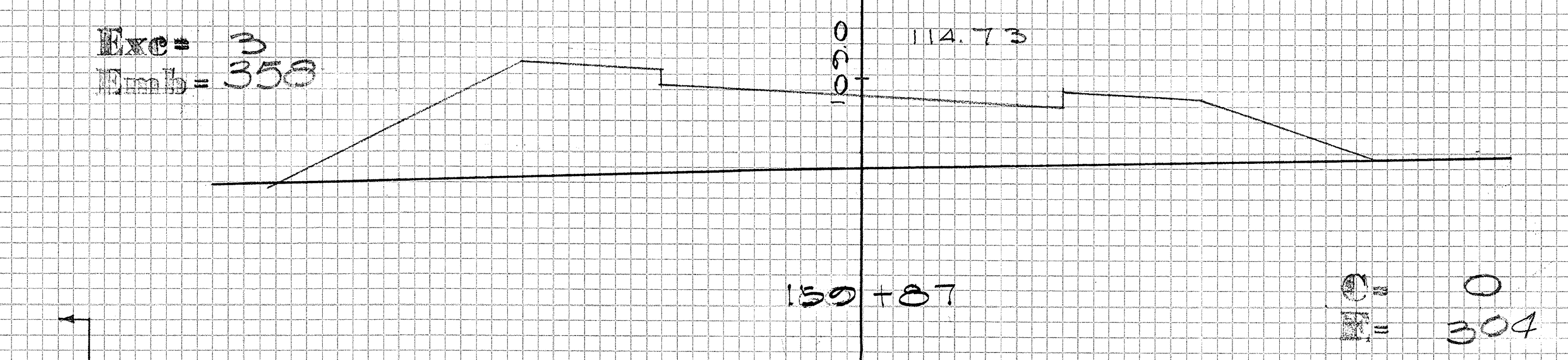

Exc= 0
Emb= 3588
79.5
104.05
156+80
C= 0
F= 1943

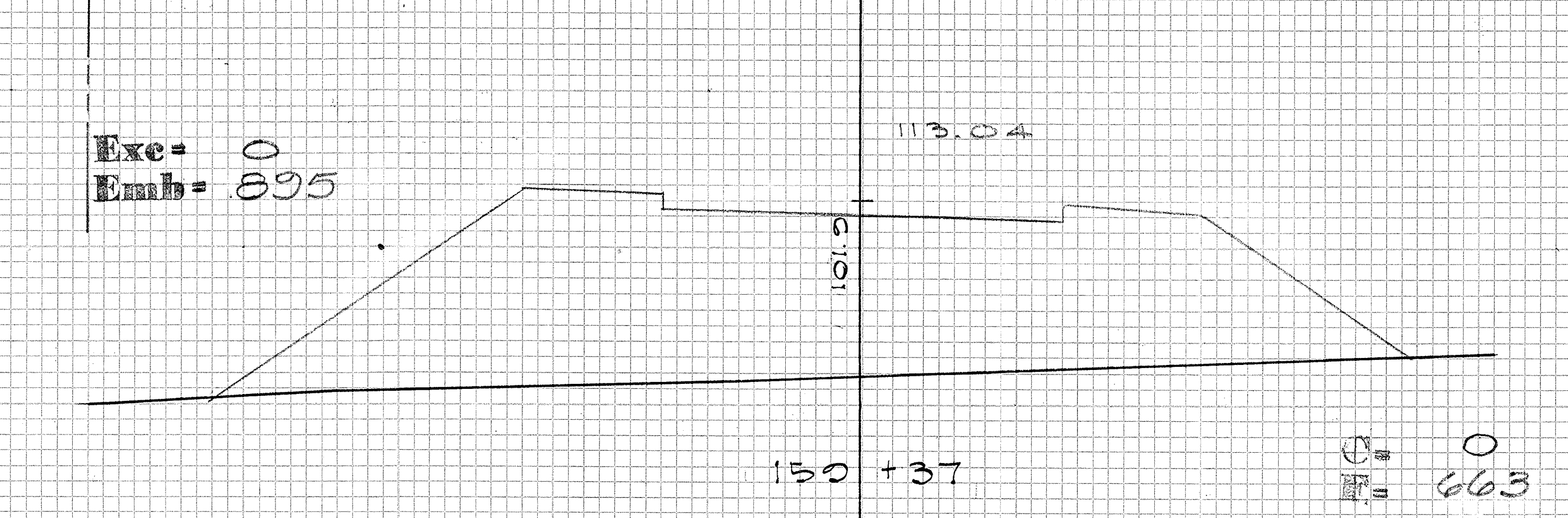

Exc= 0
Emb= 3512
78.4
102.30
156+30
C= 0
F= 1850

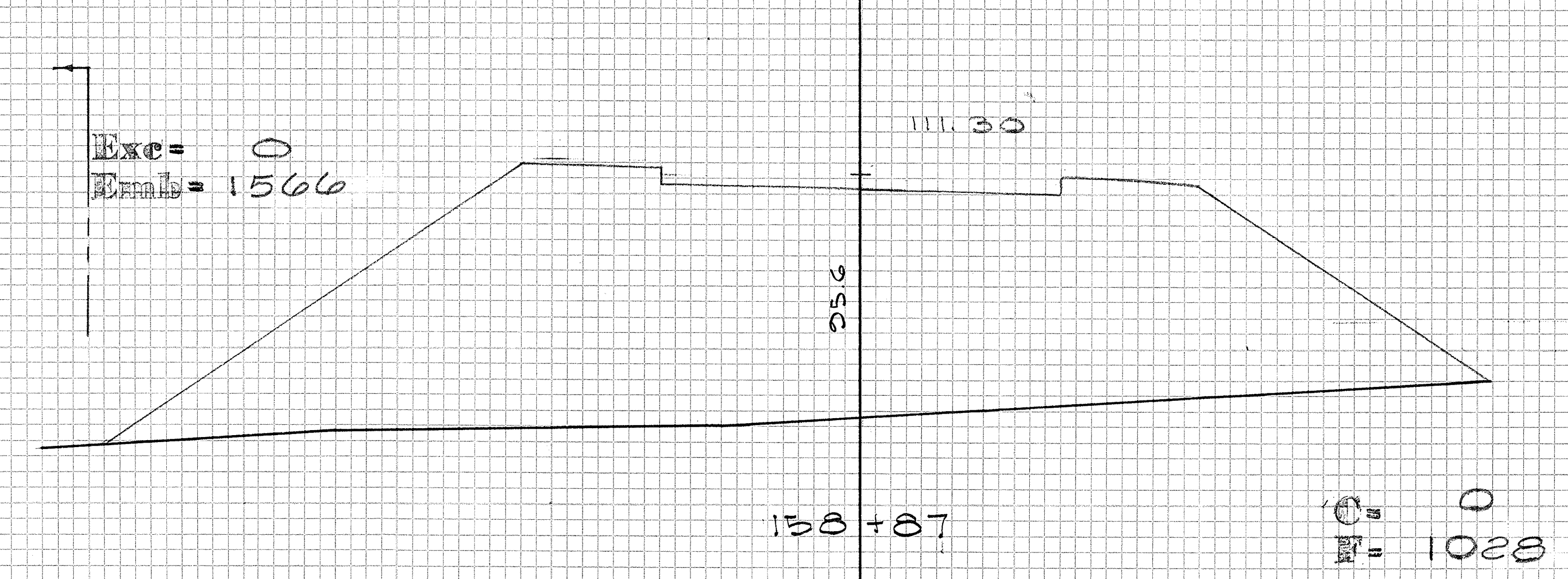

Exc= 0
Emb= 3305
78.3
100.55
155+80
C= 0
F= 1719

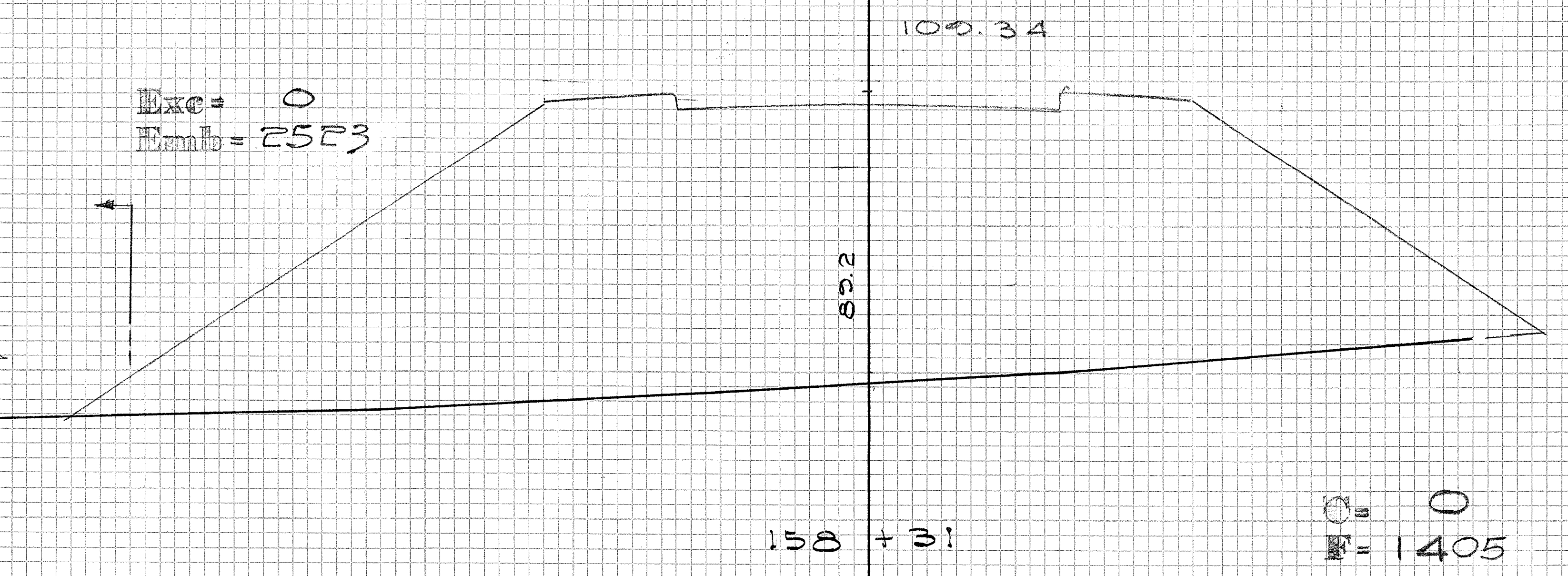

New R/W
Exc= 223
Emb= 8
119.2
117.47
160+90
C= 100
F= 9

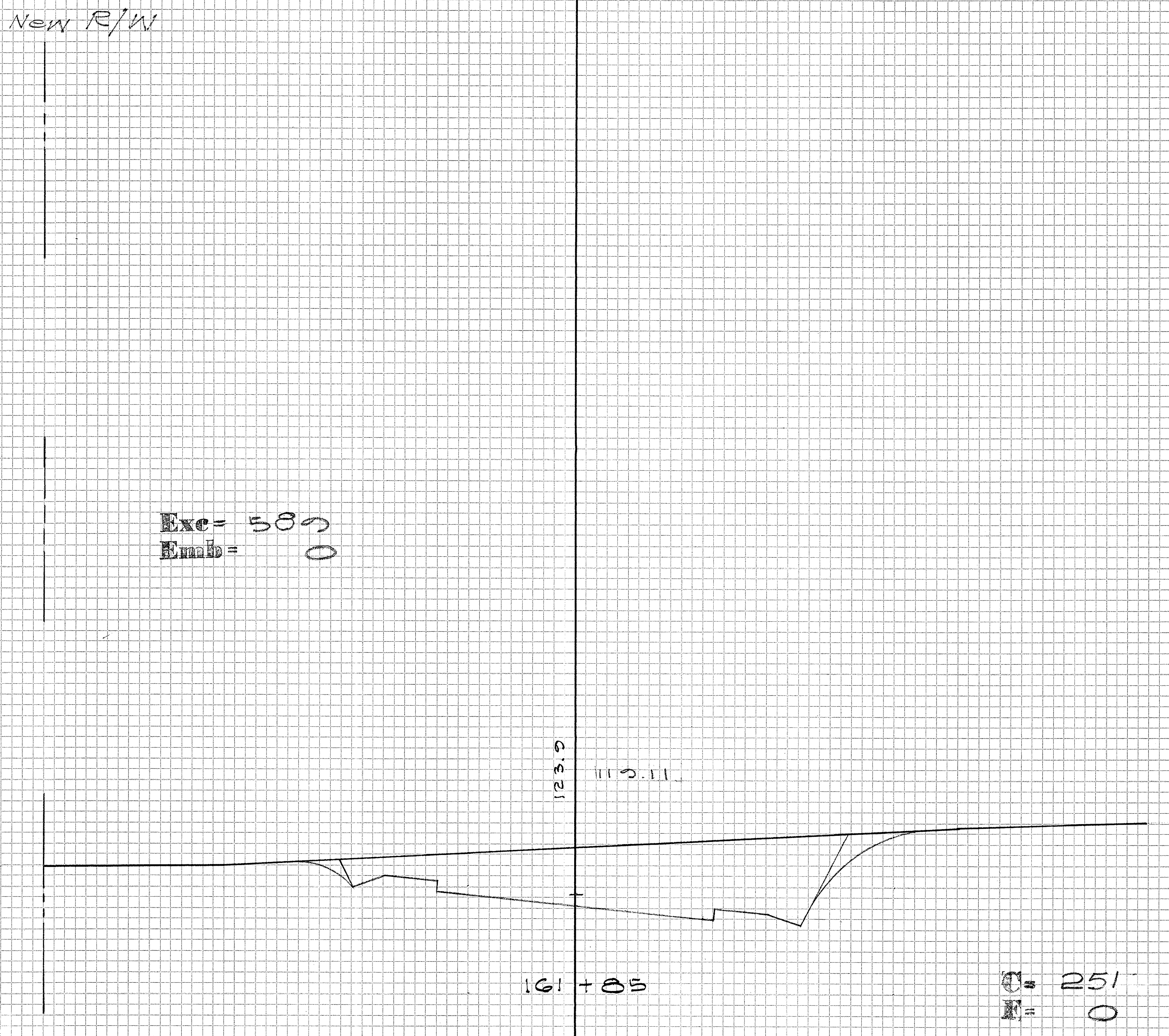

Exc= 99
Emb= 81
114.7
116.21
160+38
C= 3
F= 75


Exc= 3
Emb= 358
109.0
114.73
159+87
C= 0
F= 304


Exc= 0
Emb= 895
101.9
113.04
159+37
C= 0
F= 663


Exc= 0
Emb= 1566
95.6
111.30
158+87
C= 0
F= 1028


Exc= 0
Emb= 2523
89.2
109.34
158+31
C= 0
F= 1405


New R/W
Exc= 589
Emb= 0
123.9
119.11
161+85
C= 251
F= 0

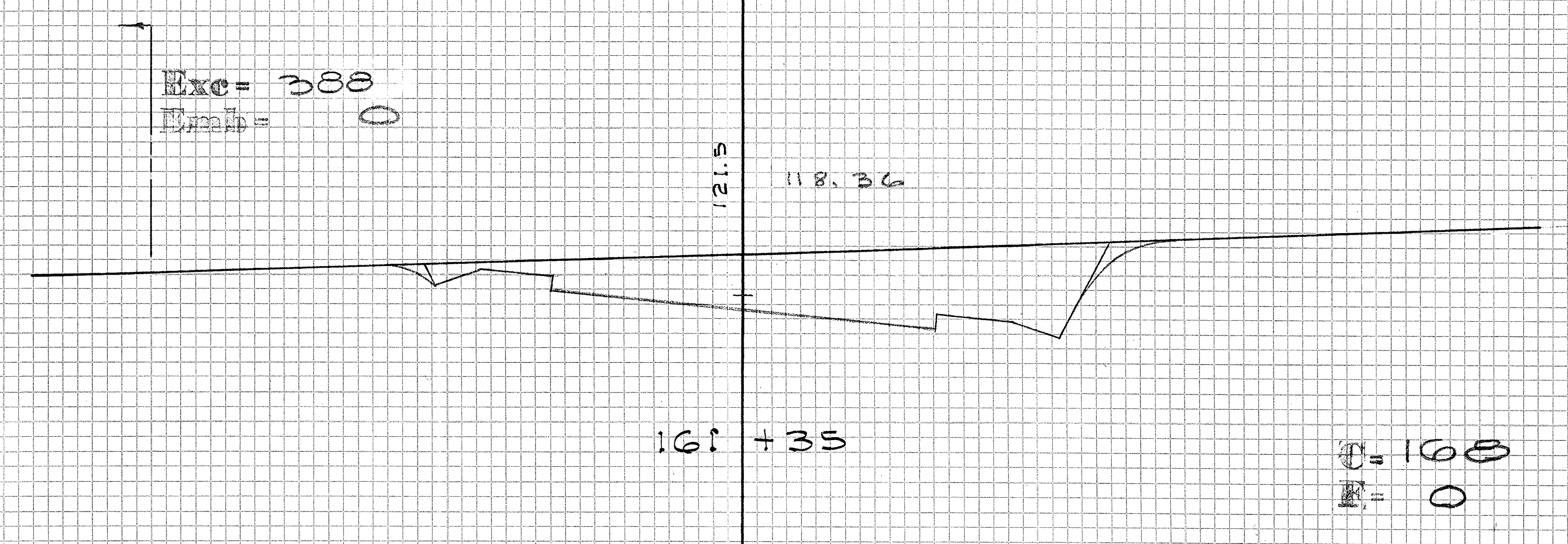

Exc= 388
Emb= 0
121.5
118.36
161+35
C= 168
F= 0

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.	F-036-1(1)	1959	29	50

Exc= 1741
Emb= 49
136.6
115.22
137.21
75'
4+32
C= 5
F= 34
164+42
C= 750
F= 41
Exc= 1566
Emb= 128
135.7
114.72
141.20
6+24
C=43
F=12
75'
Cut to Fill Slope
166+50
C= 1196
F= 9
135.8
115.70
136.43
Exc= 1550
Emb= 65
3+83
C= 5
F=38
163+90
C= 860
F= 27
Exc= 1498
Emb= 86
Exc= 2816
Emb= 9
138.3
116.29
140.11
5+66
C=53
F= 6
165+96
C= 1620
F= 0
133.2
115.93
134.88
Exc= 1174
Emb= 0
3+44
C=13
F= 26
163+39
C= 720
F= 0
138.3
117.54
139.76
5+20
C= 6
F= 27
130.4
115.91
132.21
Exc= 2764
Emb= 5
Exc= 835
Emb= 0
2+98
C= 18
F= 21
75'
℄ H'POKO ACCESS ROAD
162+88
C= 523
F= 0
165+44
C= 1250
F= 5
126.4
115.64
137.6
118.50
135.83
4+75
75'
C= 12
F= 16
℄ H'POKO ACCESS ROAD
Exc= 2213
Emb= 15
162+37
C= 361
F= 0
164+93
C= 1093
F= 11

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

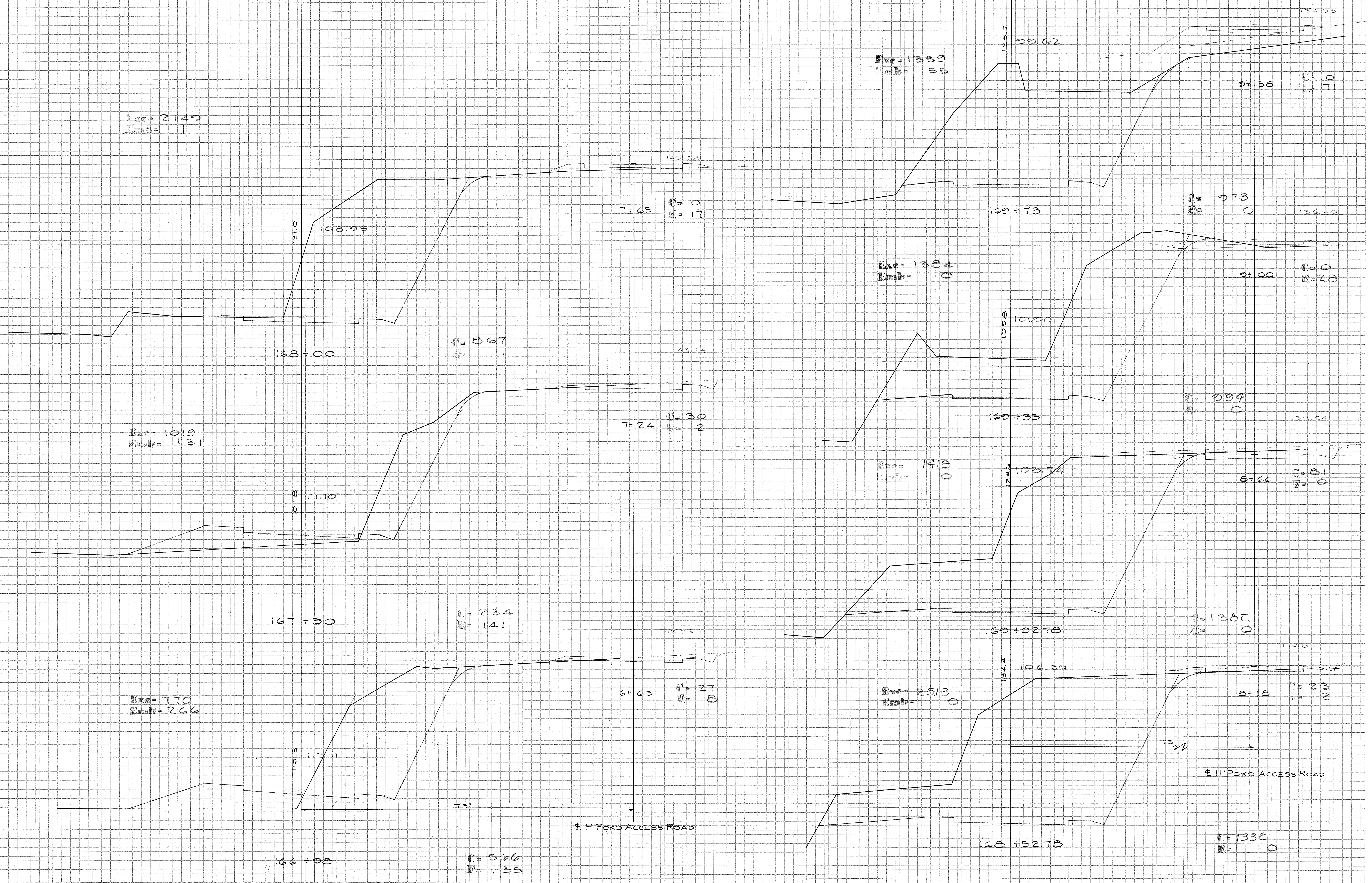
PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

29

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-036-1(1)	1959	30	50

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



Exc= 2140
Emb= 1
143.24
121.0
108.93
7+65
C= 0
F= 17
168+00
C= 867
F= 1
143.14
7+24
C= 30
F= 2
Exc= 1019
Emb= 131
107.8
111.10
167+50
C= 234
F= 141
142.75
Exc= 770
Emb= 266
6+65
C= 27
F= 8
110.5
113.11
73'
℄ H'POKO ACCESS ROAD
166+98
C= 566
F= 135
Exc= 1359
Emb= 55
125.7
99.62
134.35
9+38
C= 0
F= 71
169+73
C= 973
F= 0
136.40
Exc= 1384
Emb= 0
9+00
C= 0
F= 28
105.8
101.90
169+35
C= 994
F= 0
138.34
Exc= 1418
Emb= 0
124.5
103.74
8+66
C= 81
F= 0
169+02.78
C= 1382
F= 0
140.83
134.4
106.39
Exc= 2513
Emb= 0
8+18
F= 23
F= 2
75'
℄ H'POKO ACCESS ROAD
168+52.78
C= 1332
F= 0

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.	F-036-1(1)	1959	31	50

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

New R/W
Exc= 1004
Emb= 161
93.5
92.00
171+00
C= 688
F= 84
131.73
Exc= 1187
Emb= 165
93.0
95.00
10+18
C= 20
F= 248
170+50
C= 594
F= 94
132.50
Exc= 941
Emb= 111
111.8
97.16
9+77
C= 247
F= 86
75'
℄ H'POKO ACCESS ROAD
170+14
C= 817
F= 72
New R/W
Exc= 2407
Emb= 56
80.4
83.00
172+50
C= 412
F= 61
Exc= 845
Emb= 103
85.5
86.00
172+00
C= 501
F= 50
Exc= 831
Emb= 130
84.6
89.00
171+50
C= 396
F= 90

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.	F-036-1(1)	1957	32	50

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

New R/W
Exc= 2746
Emb= 44
74.4
74.00
174+00
C=1591
F= 22
Exc= 2810
Emb= 43
84.0
77.00
173+50
C=1444
F= 24
Exc= 3363
Emb= 22
88.7
80.00
173+00
C= 2188
F= 0
Exc= 2881
Emb= 9
70.8
68.00
175+00
C= 1187
F= 10
New R/W
Exc= 2374
Emb= 33
77.3
71.00
174+50
C= 1375
F= 26

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.	F-036-1(1)	1959	33	50

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

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

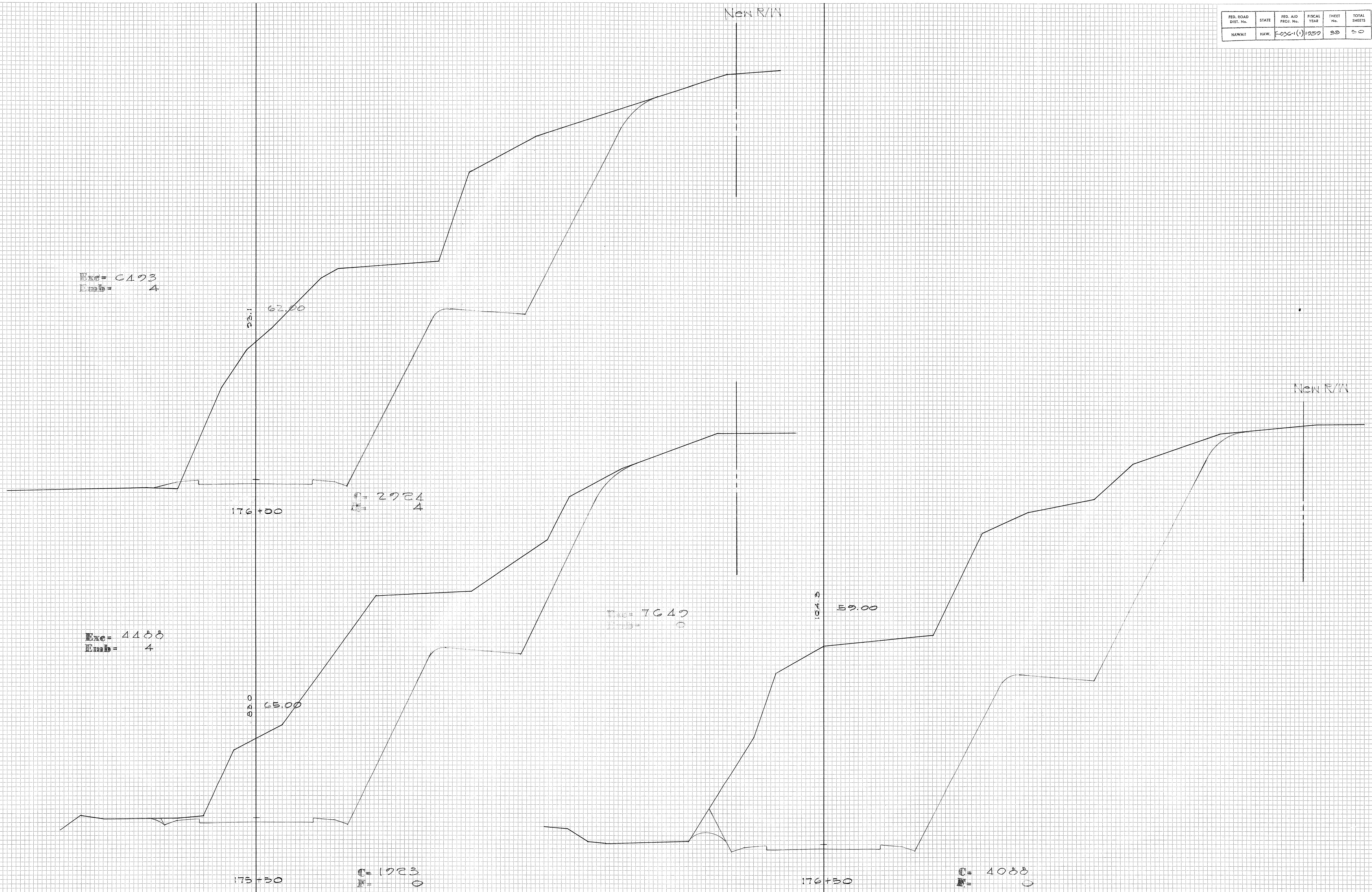

New R/W
Exc= 6493
Emb= 4
93.1
62.00
176+00
C= 2924
F= 4
New R/W
Exc= 4488
Emb= 4
83.0
65.00
175+50
C= 1923
F= 0
Exc= 7649
Emb= 0
104.3
59.00
176+50
C= 4088
F= 0

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.	F-036-1(1)	1959	34	90

Feb. 5, 1960

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

New R/W
Exc= 8256
Emb= 0
C= 4187
F= 0
91.8
53.00
EP
EP
STA. 177+50
Exc= 7586
Emb= 0
New R/W
Exc= 7741
Emb= 0
C= 4173
F= 0
98.2
56.00
EP
EP
STA. 177+00
C= 4730
F= 0
88.4
50.00
STA. 178+00

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-036-1(1)	1959	35	50

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

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE
S.G.
H.G.
6.58
"
"

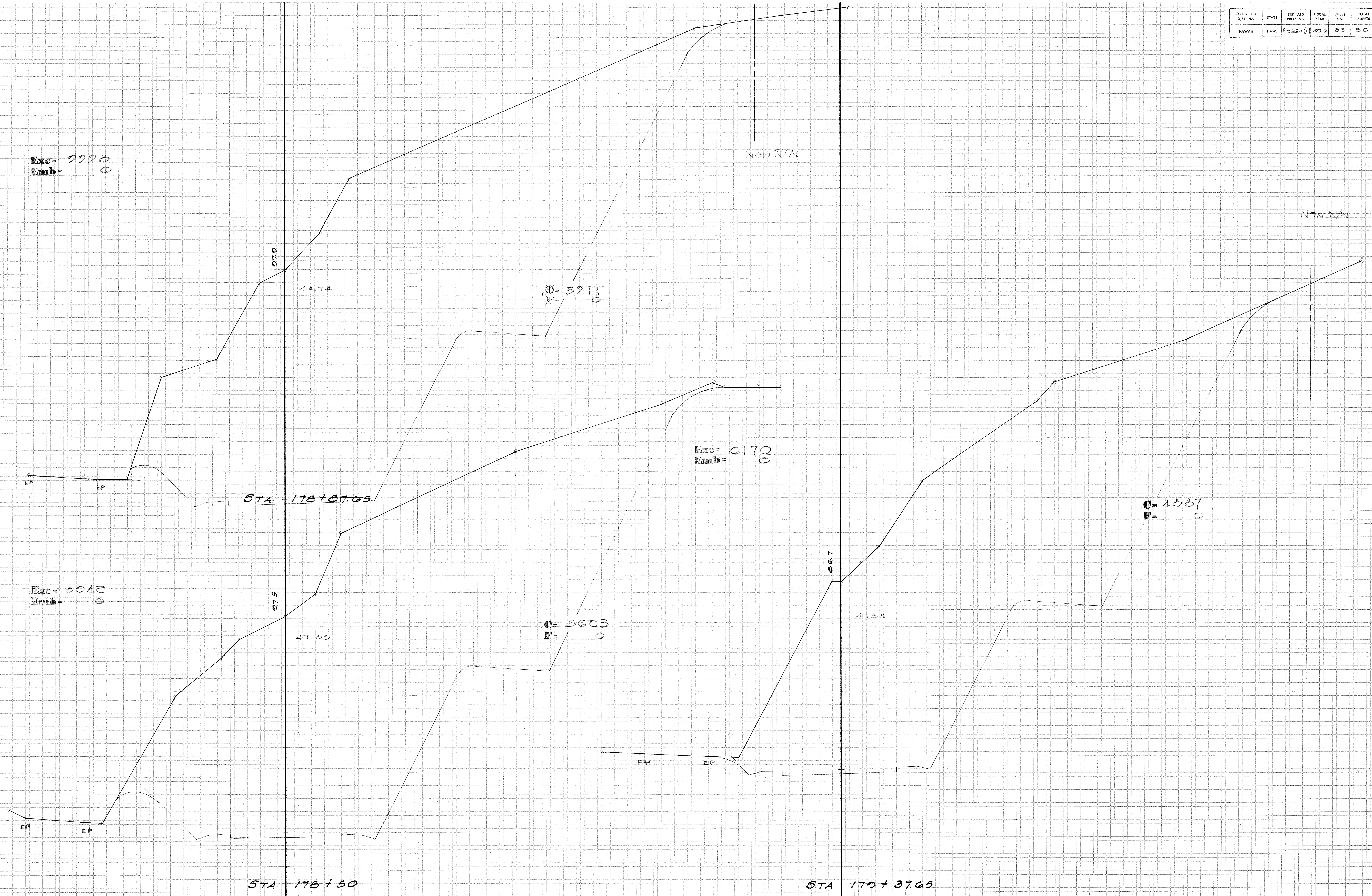
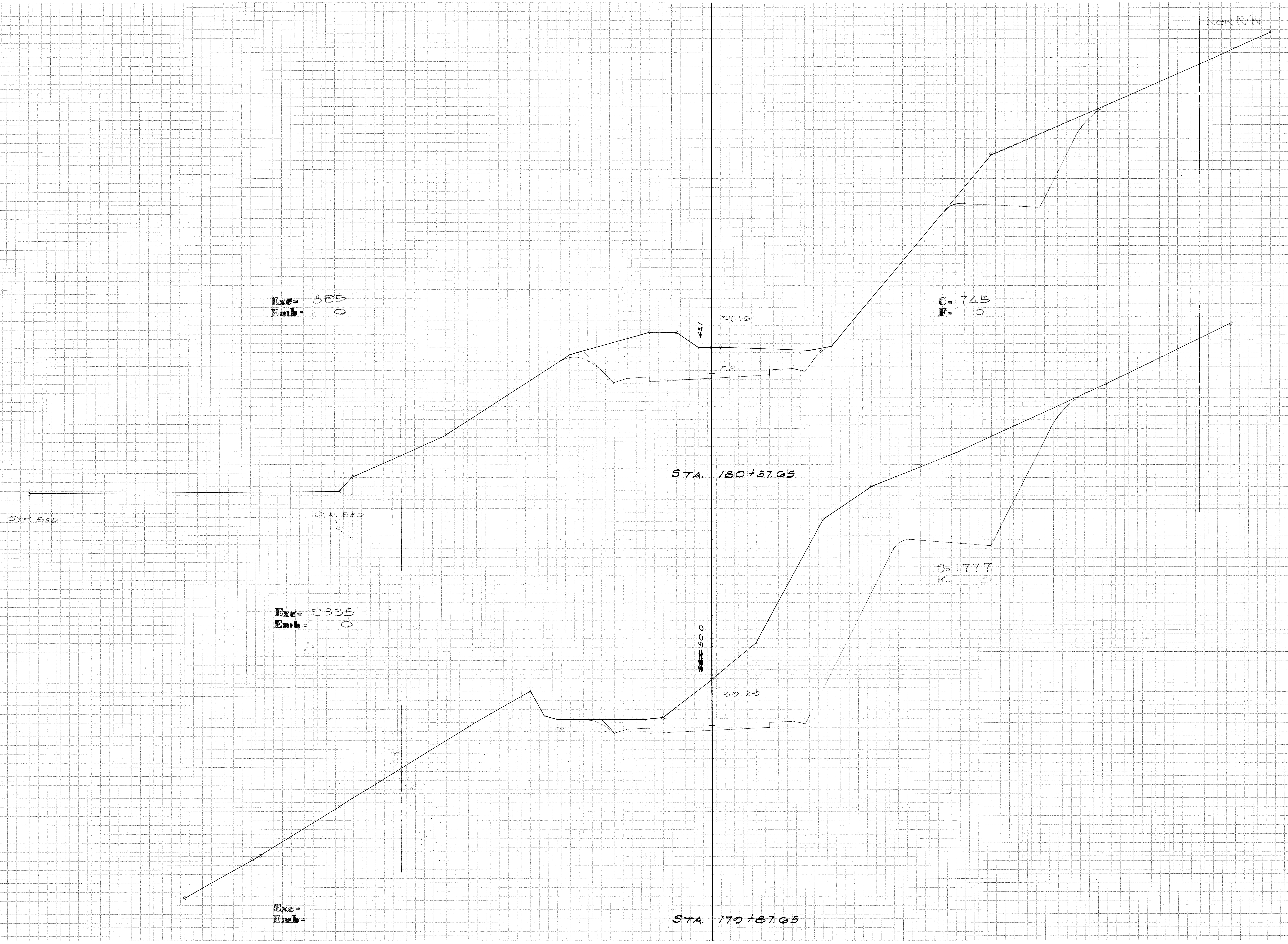

New R/W
Exc= 9998
Emb= 0
97.0
44.74
C= 5911
F= 0
New R/W
Exc= 6170
Emb= 0
EP
EP
STA. 178+87.65
C= 4887
F= 0
88.7
41.38
Exc= 8042
Emb= 0
97.5
47.00
C= 5673
F= 0
EP
EP
EP
EP
STA. 178+50
STA. 179+37.65

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

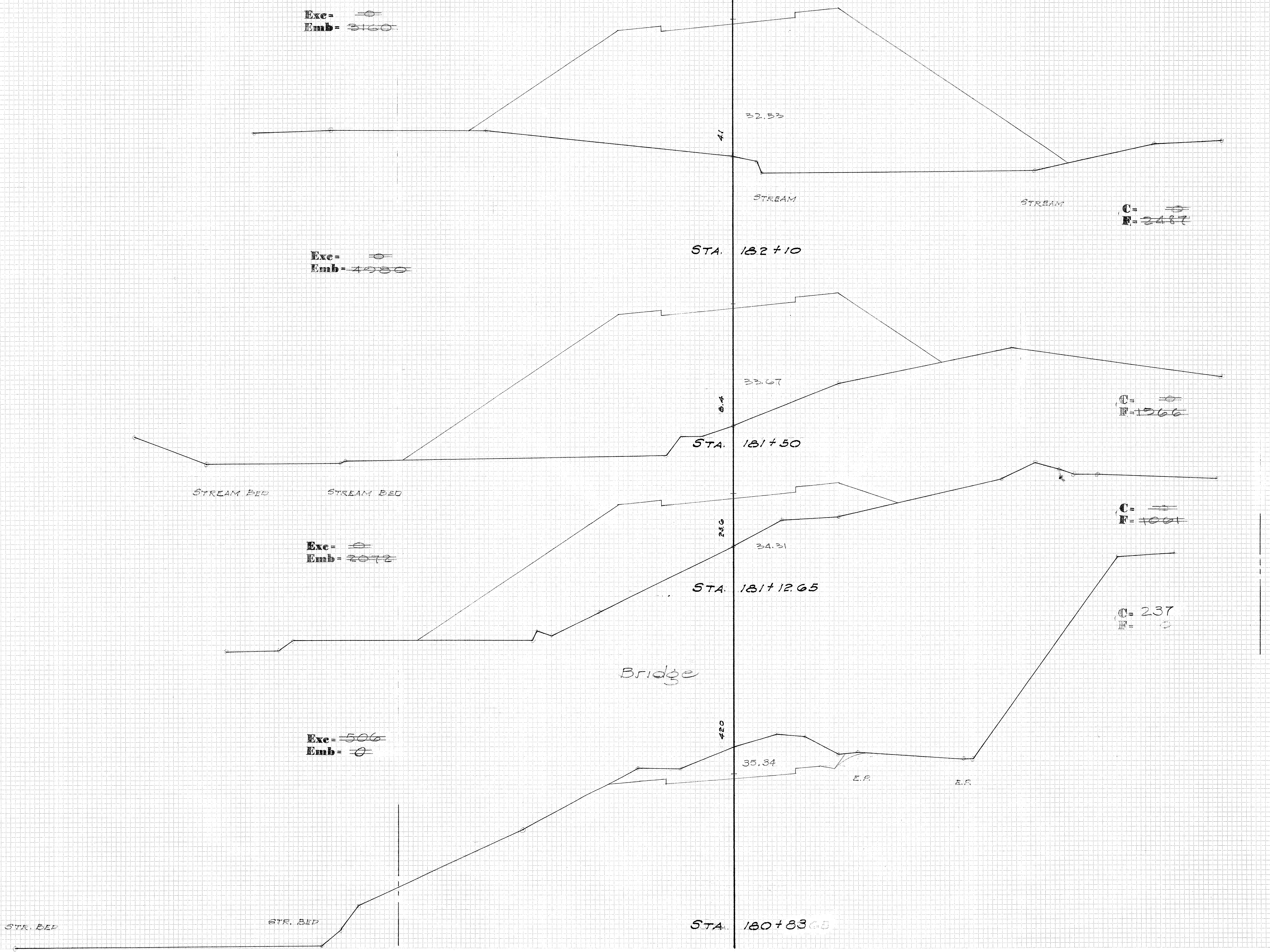
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F036-1(1)	1959	36	50

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
H.G.L.
DATE
9.58


New R/W
Exc= 885
Emb= 0
431
37.16
F.P.
C= 745
F= 0
STR. BED
STR. BED
STA. 180+37.65
C= 1777
F= 0
Exc= 2335
Emb= 0
~~38.0~~ 50.0
39.29
Exc=
Emb=
STA. 179+87.65

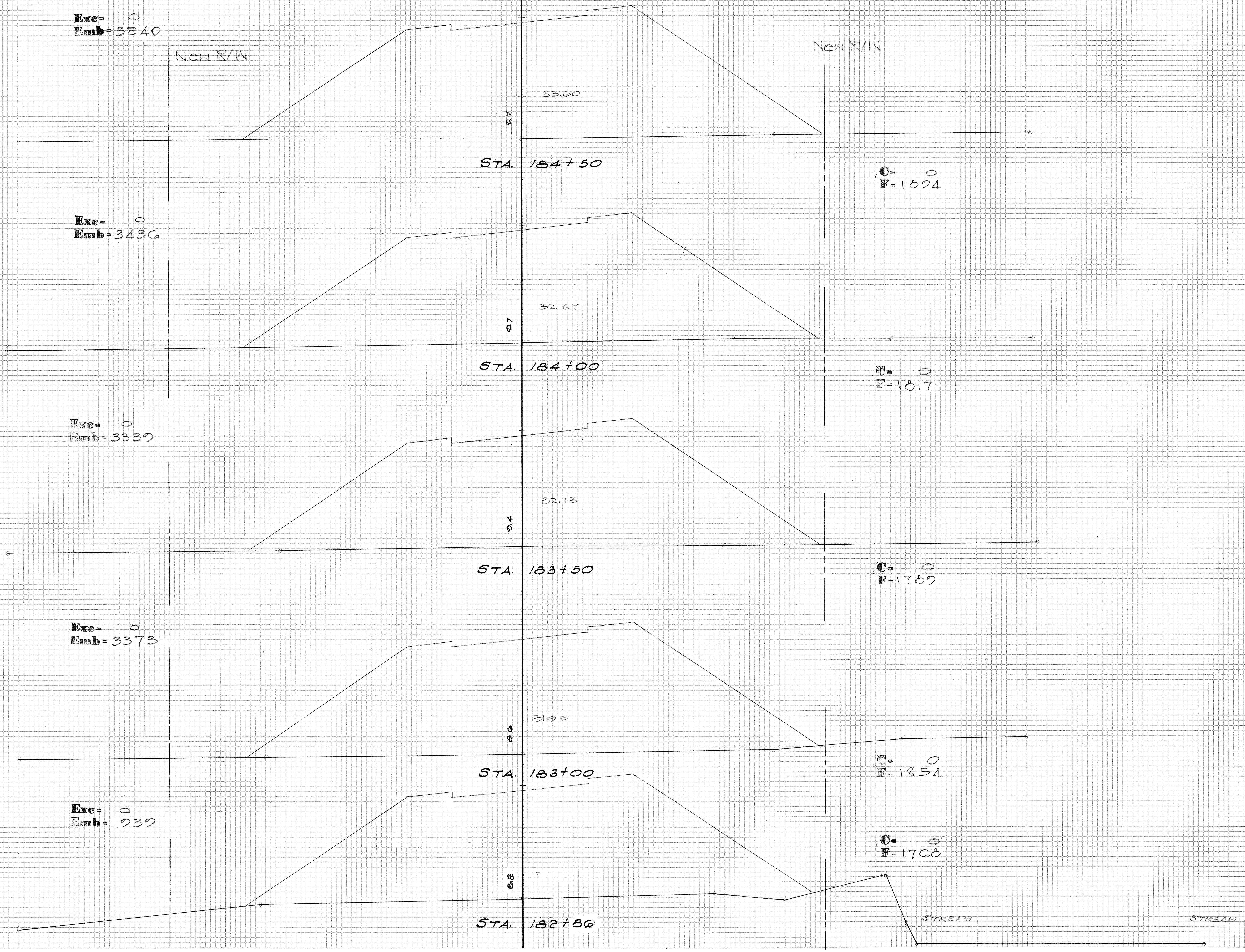
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-036-1(1)	1959	37	50


Exc = ~~0~~
Emb = ~~3160~~
32.53
4.1
STREAM
STREAM
C = ~~0~~
F = ~~2487~~
STA. 182+10
Exc = ~~0~~
Emb = ~~4980~~
33.67
8.4
C = ~~0~~
F = ~~1266~~
STA. 181+50
STREAM BED
STREAM BED
C = ~~0~~
F = ~~1001~~
23.6
34.31
Exc = ~~0~~
Emb = ~~2072~~
STA. 181+12.65
C = 237
F = 0
Bridge
420
35.34
E.P.
E.P.
Exc = ~~506~~
Emb = ~~0~~
STR. BED
STR. BED
STA. 180+83.65

ORIGINAL SURVEY
NOTE BOOK
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE
9-58

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.	F036-1(1)	1959	38	50


Exc= 0
Emb= 3240
New R/W
New R/W
33.60
.7
STA. 184+50
C= 0
F= 1894
Exc= 0
Emb= 3436
32.67
.7
STA. 184+00
C= 0
F= 1817
Exc= 0
Emb= 3339
32.13
.4
STA. 183+50
C= 0
F= 1789
Exc= 0
Emb= 3373
31.95
.6
STA. 183+00
C= 0
F= 1854
Exc= 0
Emb= 939
C= 0
F= 1768
.8
STA. 182+86
STREAM
STREAM

ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED	S.G.	9-58
NOTE BOOK	TEMPLATE	H.G.	9-58
	AREAS	L.L.	" "
NO.	AREAS CHECKED		

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

PLATE 9 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.	F-036(1)	1959	39	50

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

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE H.G. 9-58
AREAS L. "
AREAS CHECKED
BY
DATE

New R/W
Exc= 2809
Emb= 0
C= 765
F= 0
41.02
40.0
New R/W
STA. 186+50
C= 85
F= 30
Exc= 787
Emb= 28
40.7
38.61
E.P.
STA. 186+00
36.36
27.7
E.P.
E.P.
Exc= 79
Emb= 671
C= 0
F= 695
STA. 185+50
Exc= 0
Emb= 2130
34.90
13.1
C= 0
F= 1605
STA. 185+00

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.	F-034(1)	1959	40	50

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

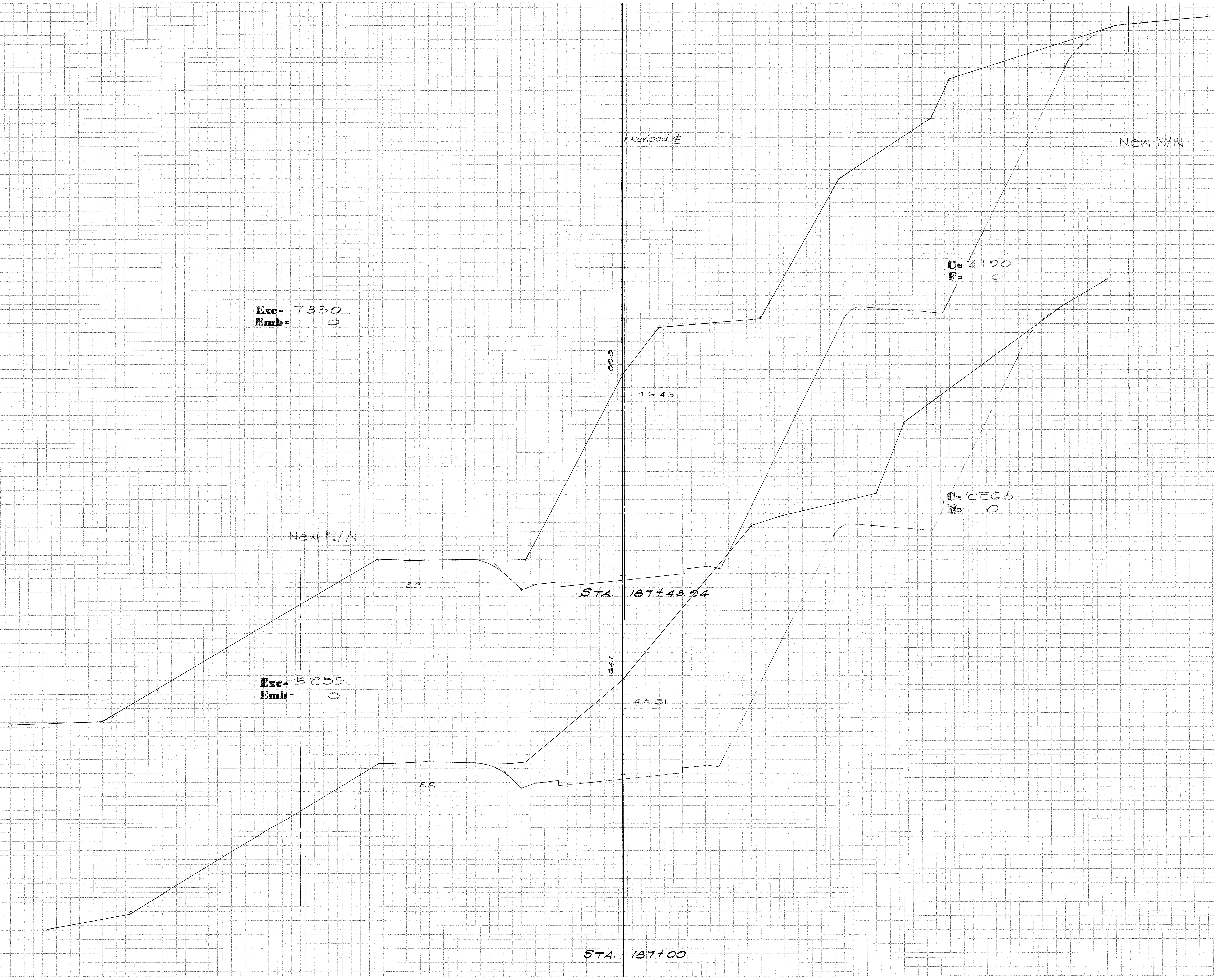
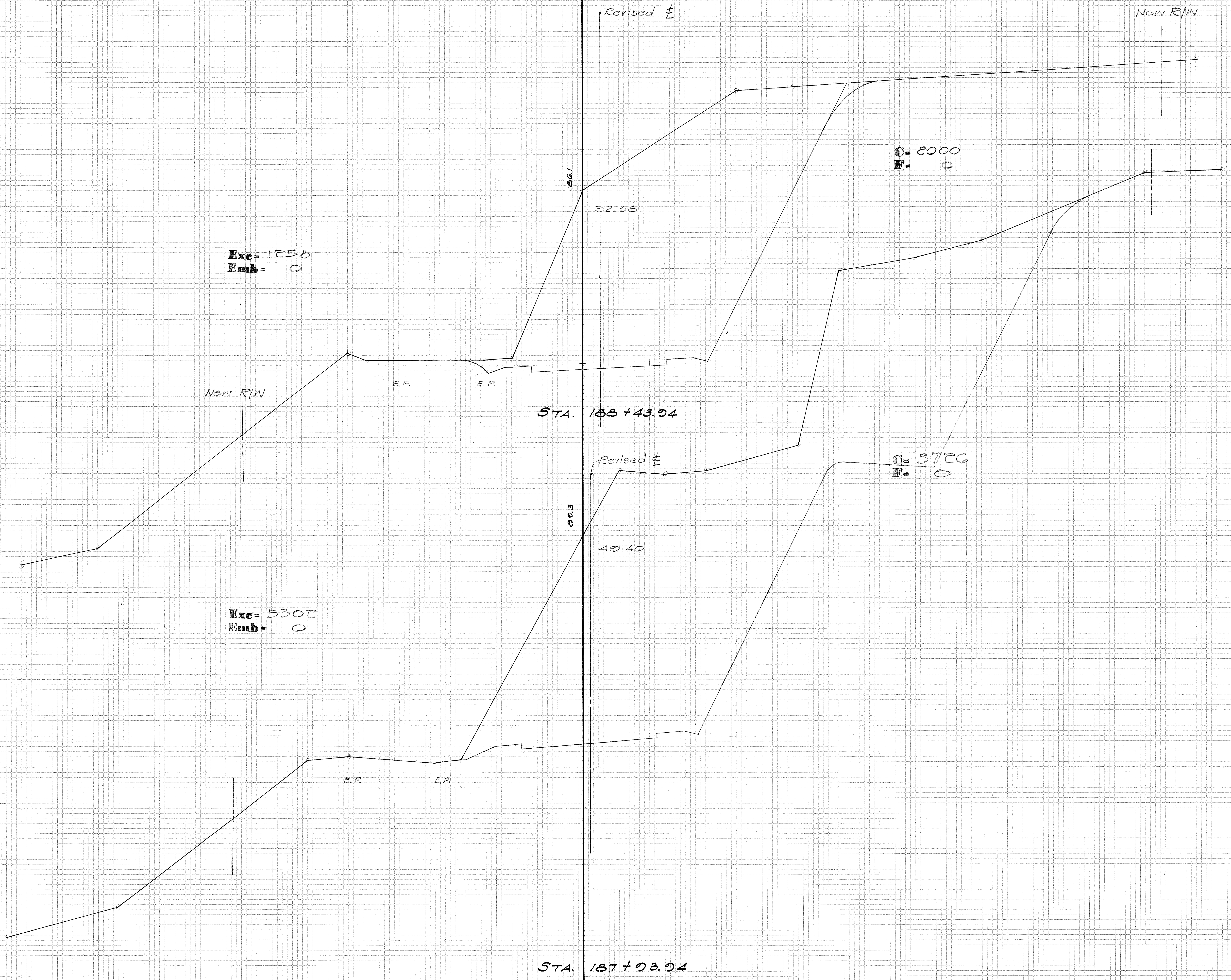

Revised ℄
New R/W
C= 4120
F= 0
Exc= 7330
Emb= 0
82.8
46.43
New R/W
E.P.
STA. 187+43.94
C= 2268
F= 0
Exc= 5255
Emb= 0
64.1
43.81
E.P.
STA. 187+00

PLATE 3 CROSS SECTION C. F. 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.	F-036-1(1)	1959	41	50

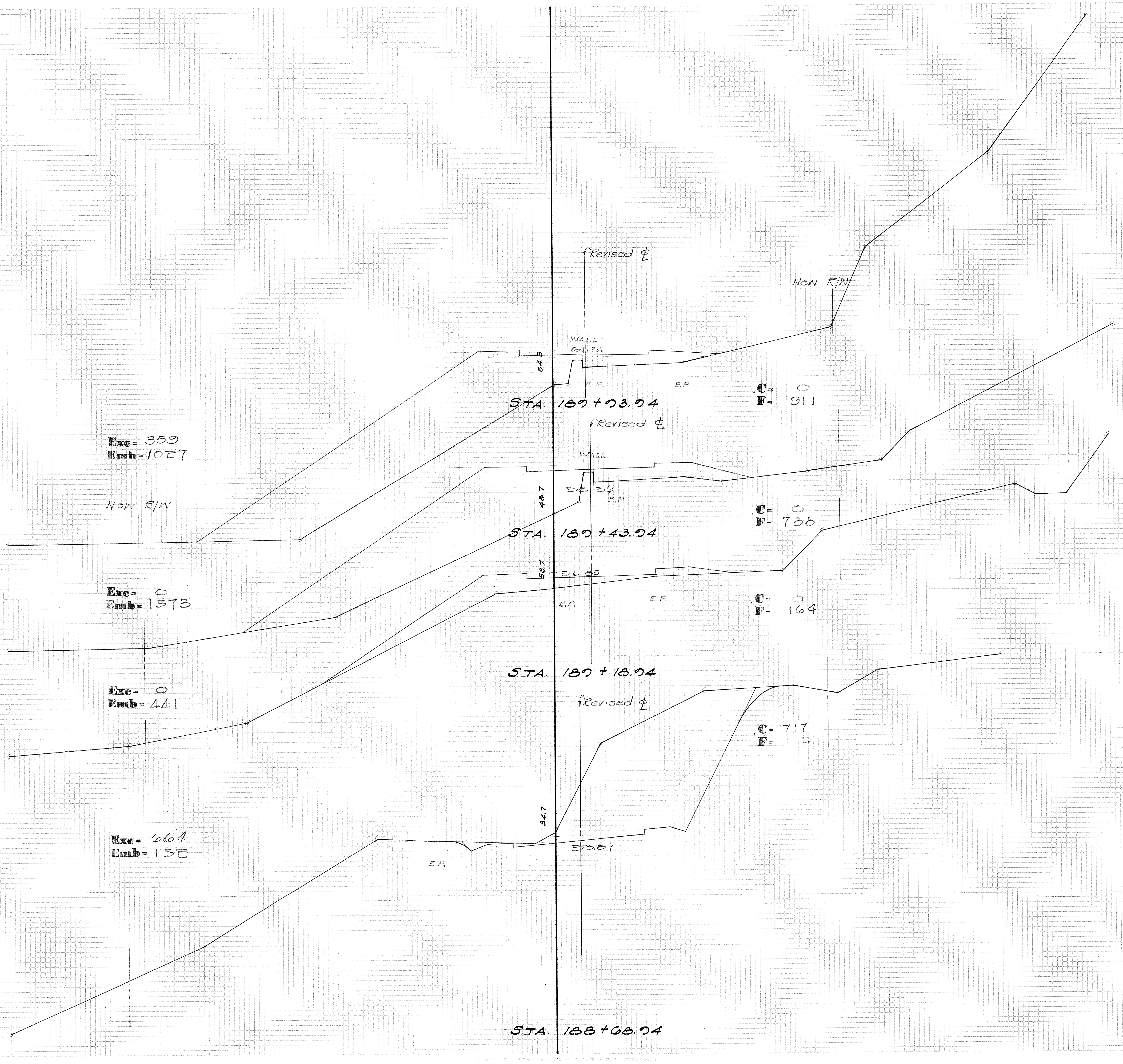
ORIGINAL SURVEY		BY	DATE
	SURVEYED	S.G.	
NOTE BOOK	PLOTTED	H.C.	9-58
	TEMPLATE	L.L.	"
	AREAS		
NO.	AREAS CHECKED		



Revised ℄
New R/W
C= 2000
F= 0
82.1
52.38
Exc= 1258
Emb= 0
New R/W
E.P.
E.P.
STA. 188+43.94
Revised ℄
C= 3726
F= 0
82.3
49.40
Exc= 5302
Emb= 0
E.P.
E.P.
STA. 187+93.94

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-036-1(1)	1959	42	50

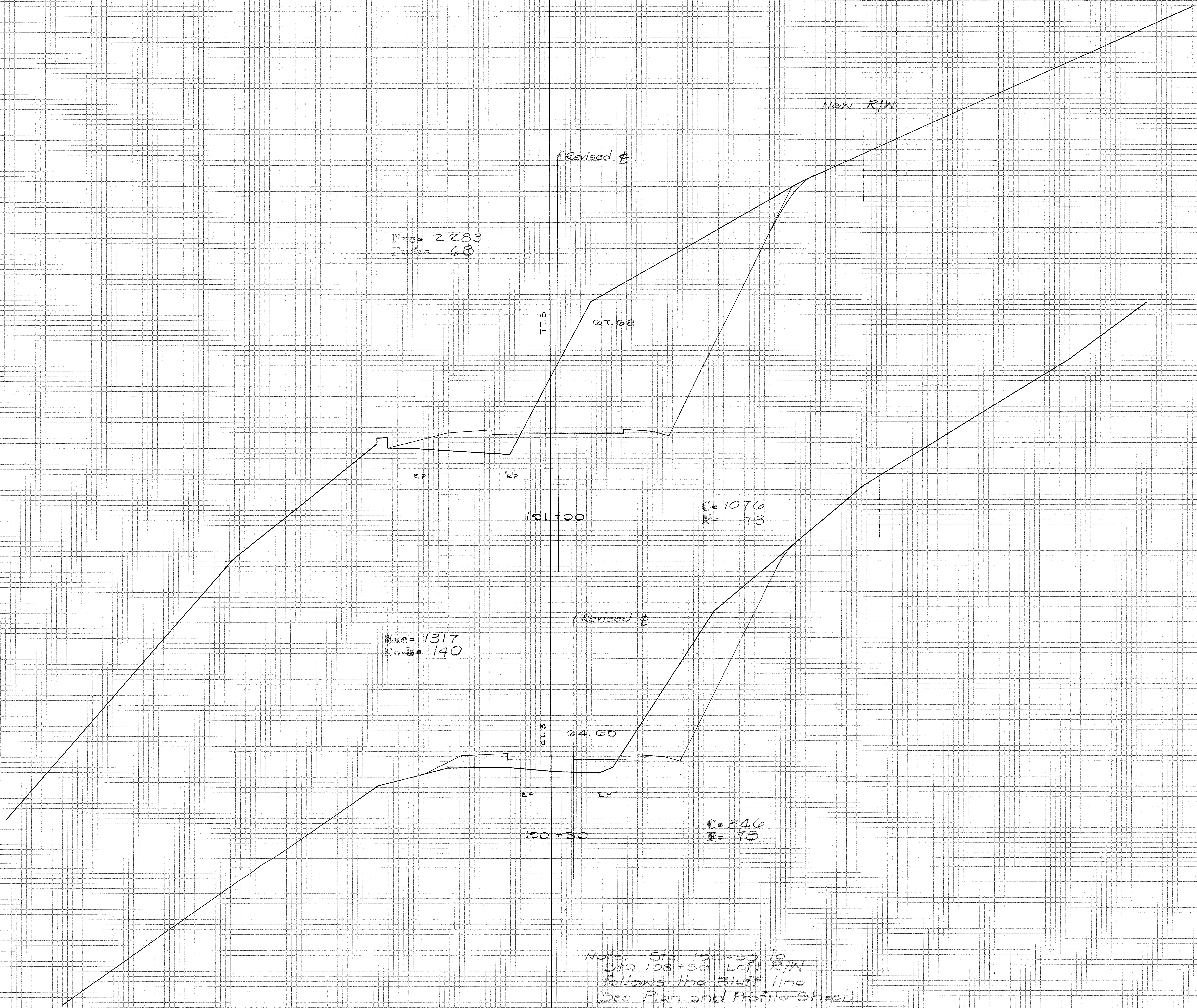
Feb. 5, 1960


Revised ℄
New R/W
WALL
61.31
54.5
E.P.
E.P.
STA. 189+93.94
C= 0
F= 911
Exc= 359
Emb= 1027
Revised ℄
WALL
58.36
48.7
E.P.
New R/W
STA. 189+43.94
C= 0
F= 788
53.7
56.85
E.P.
E.P.
Exc= 0
Emb= 1573
C= 0
F= 164
STA. 189+18.94
Exc= 0
Emb= 441
Revised ℄
C= 717
F= 0
54.7
53.87
E.P.
Exc= 664
Emb= 152
STA. 188+68.94

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-036-1(1)	1959	43	50

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

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


New R/W
Revised ℄
Exc= 2283
Emb= 68
77.5
67.62
E.P.
E.P.
151+00
C= 1076
F= 73
Revised ℄
Exc= 1317
Emb= 140
61.3
64.65
E.P.
E.P.
150+50
C= 346
F= 78

Note: Sta 150+50 to
Sta 158+50 Left R/W
follows the Bluff line
(See Plan and Profile Sheet)

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

43

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-036-1(1)	1959	44	50

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

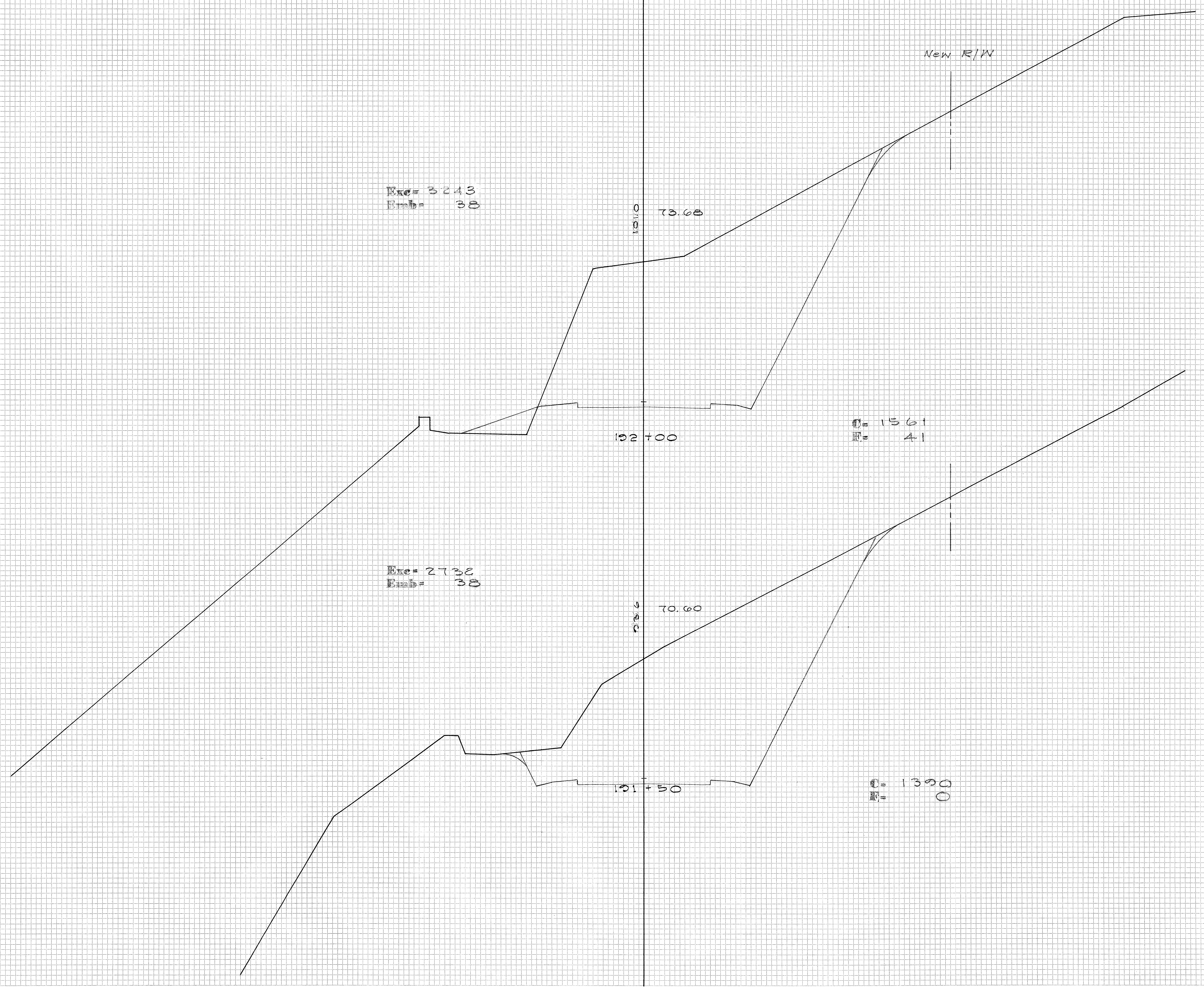

New R/W
Exc= 3243
Emb= 38
10.0
73.68
152+00
C= 1561
F= 41
Exc= 2732
Emb= 38
23.6
70.60
151+50
C= 1390
F= 0

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.	F036-1(1)	1959	45	50

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

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

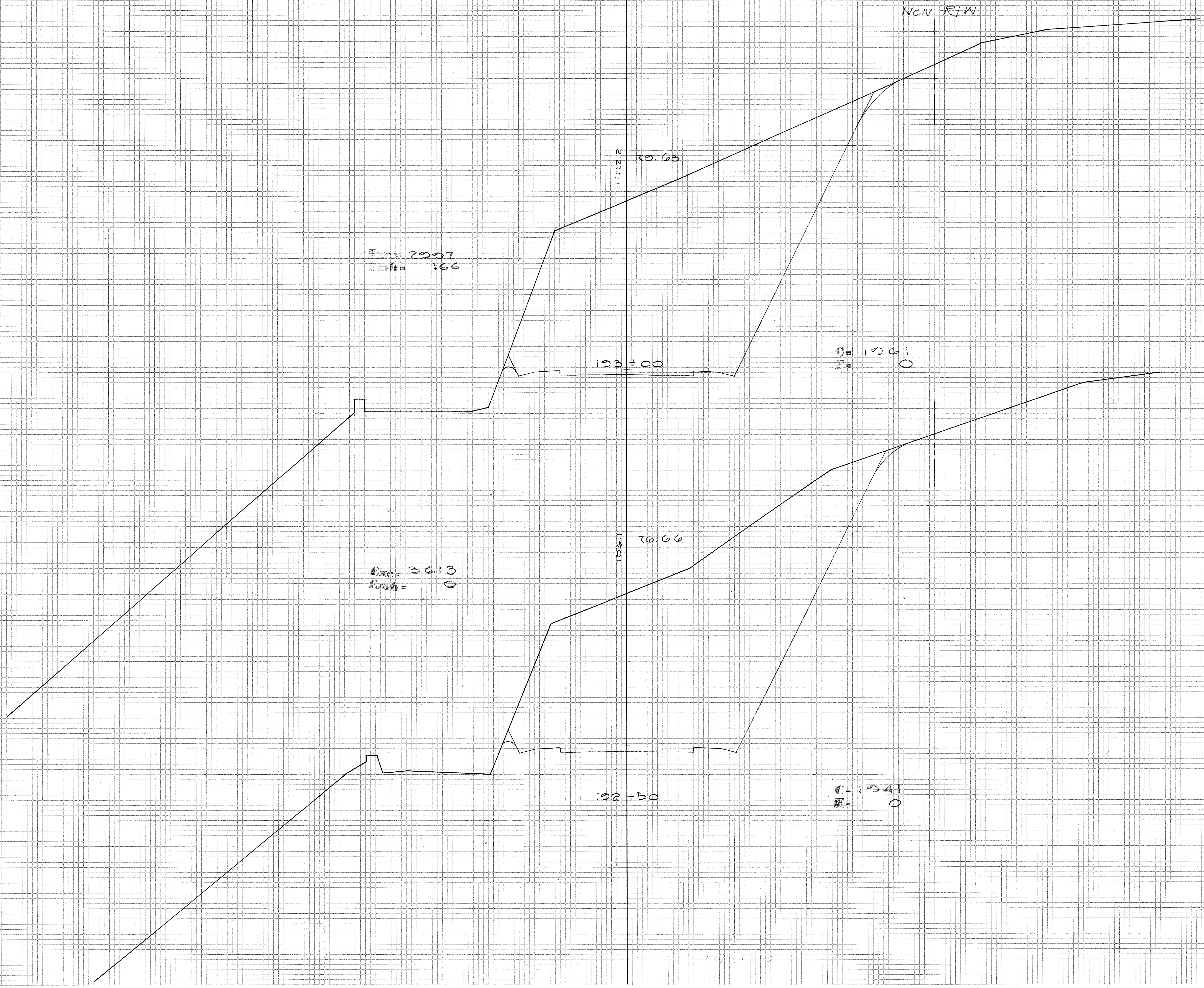
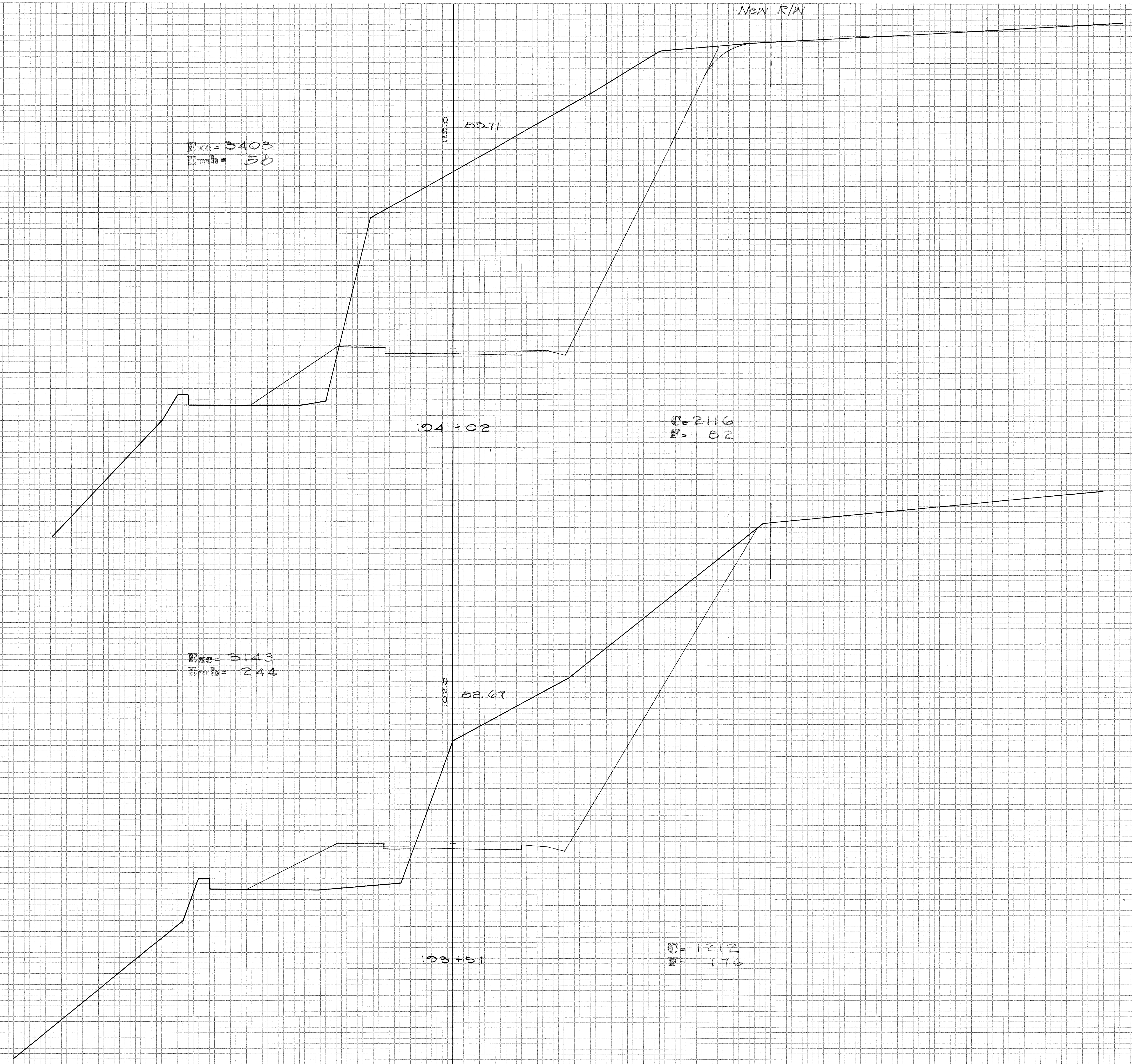

New R/W
112.2
79.63
Exc= 2907
Emb= 166
193+00
C= 1961
F= 0
106.1
76.66
Exc= 3613
Emb= 0
192+50
C= 1941
F= 0

PLATE 3 CROSS SECTION U. 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.	F-036(1)	1959	46	50

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

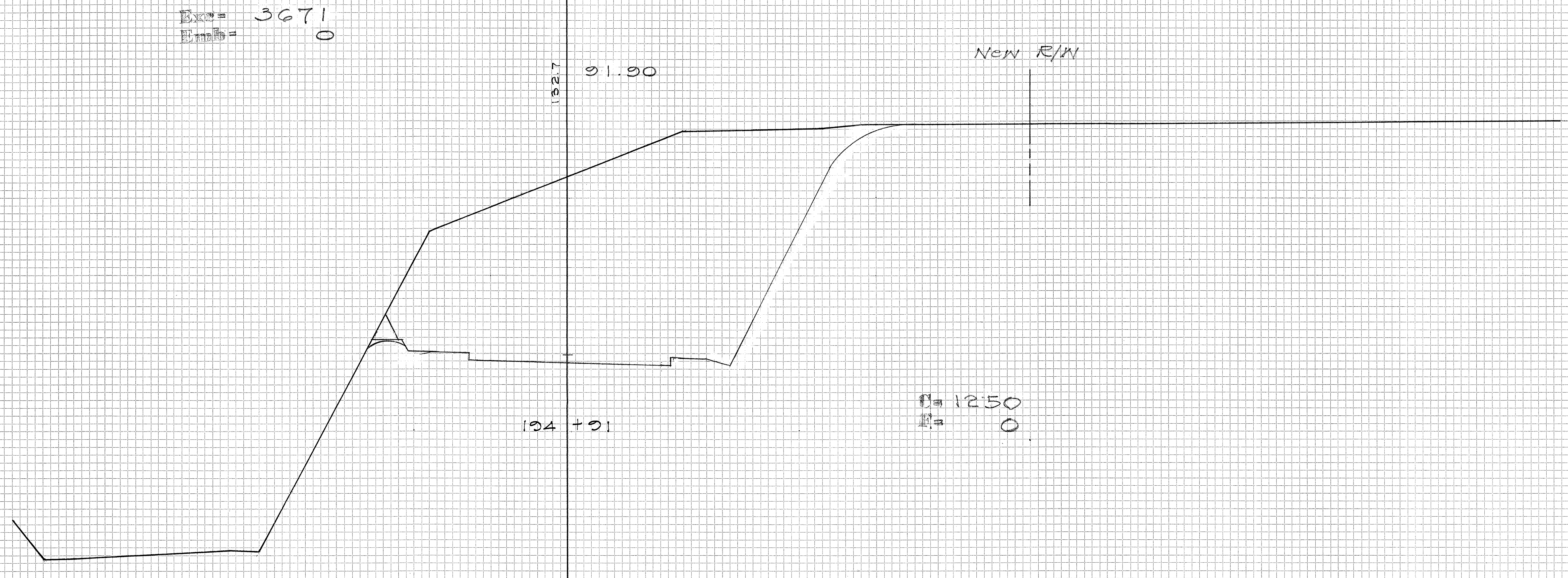

New R/W
112.0
85.71
Exc= 3403
Emb= 58
194 +02
C= 2116
F= 82
102.0
82.67
Exc= 3143
Emb= 244
193+51
C= 1212
F= 176

ORIGINAL SURVEY
SURVEYED
PLOTTED
TEMPLATE
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.	F036-1(1)	1959	47	50

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


Exc= 3671
Emb= 0
1327
91.90
New R/W
194+91
C= 1250
F= 0

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

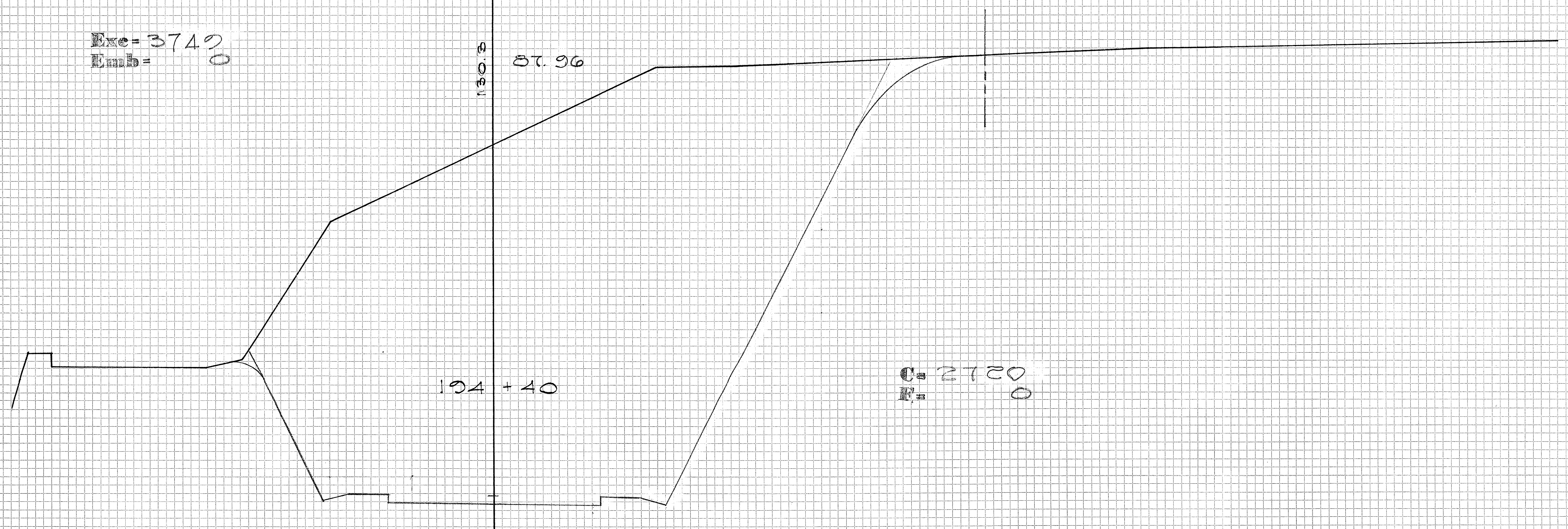

Exc= 3742
Emb= 0
1308
87.96
194+40
C= 2720
F= 0

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.	F036-1(1)	1959	48	50

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

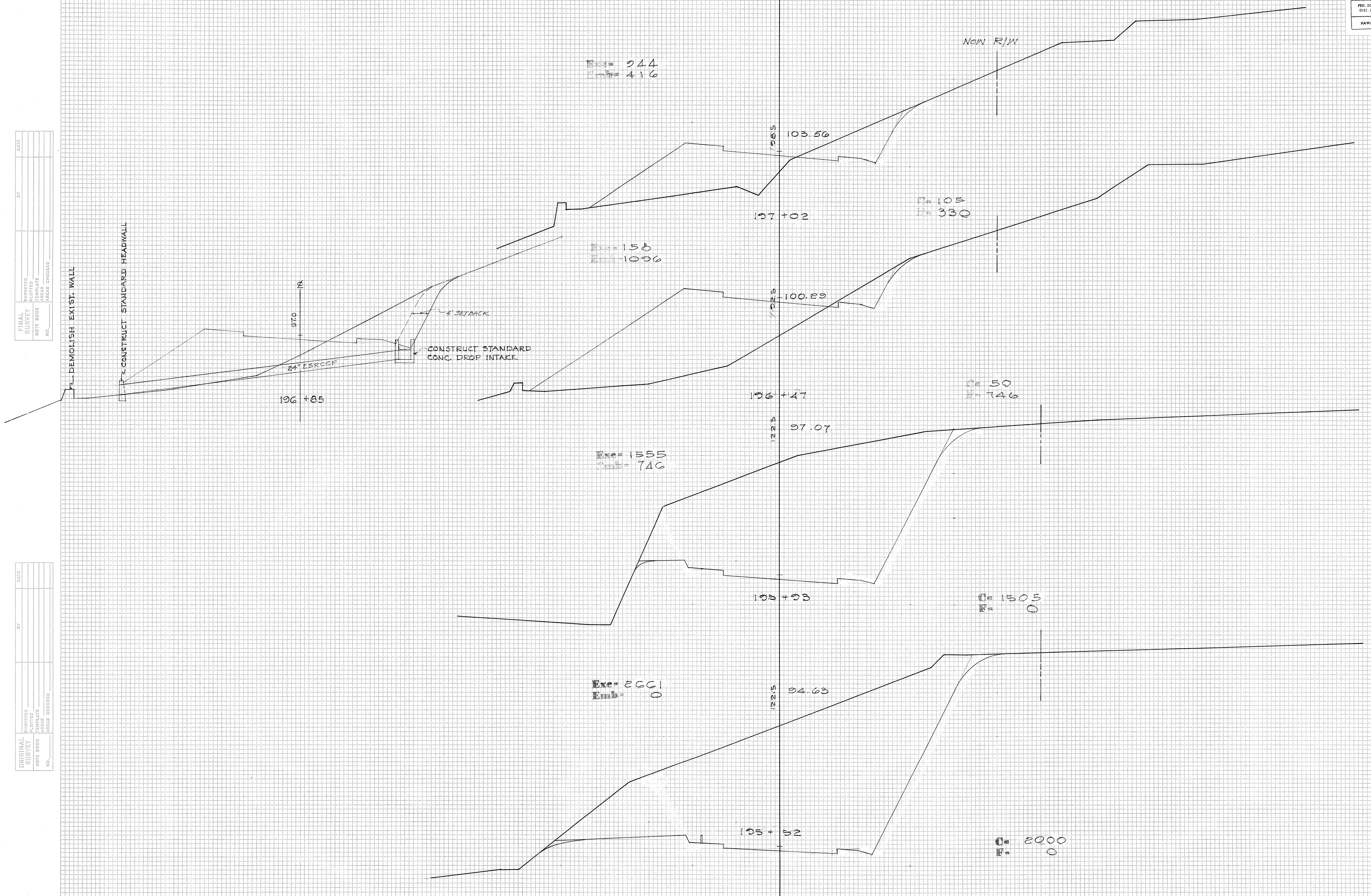

New R/W
Exc= 944
Emb= 416
108.5
103.56
197 +02
C= 105
F= 330
DEMOLISH EXIST. WALL
CONSTRUCT STANDARD HEADWALL
℄
97.0
4' SETBACK
CONSTRUCT STANDARD
CONC. DROP INTAKE
24" ESRCCP
196 +85
Exc= 158
Emb= 1096
122.5
100.29
196 +47
C= 50
F= 746
122.5
97.07
Exc= 1555
Emb= 746
195 +93
C= 1505
F= 0
Exc= 2661
Emb= 0
122.5
94.63
195 + 52
C= 2000
F= 0

PLATE 3 CROSS SECTION D. P. R. & R. S. 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.	F-036-(1)	1959	49	50

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

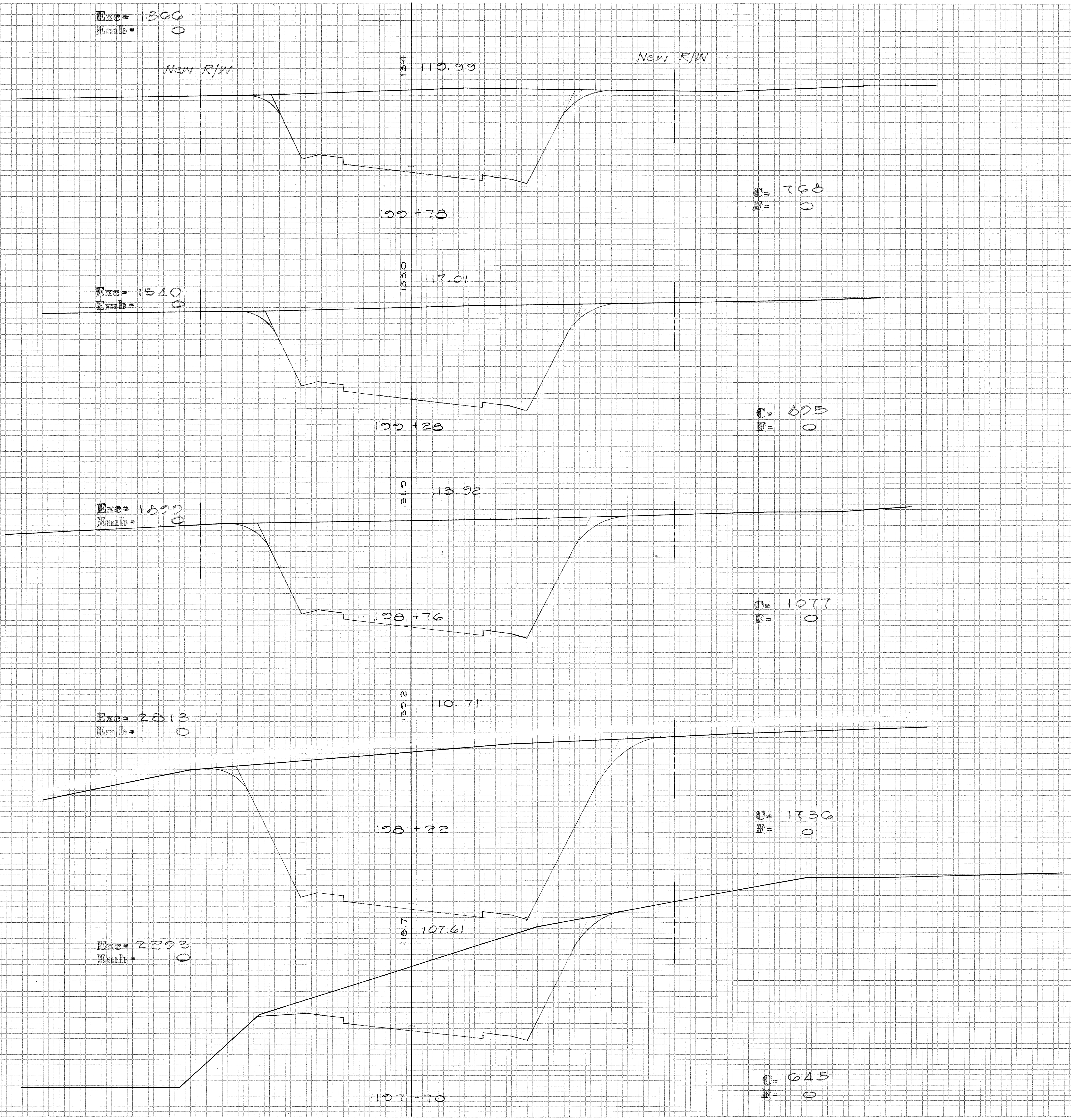

Exc= 1366
Emb= 0
New R/W
134
119.99
New R/W
199+78
C= 768
F= 0
133.0
117.01
Exc= 1540
Emb= 0
199+28
C= 895
F= 0
131.9
113.92
Exc= 1899
Emb= 0
198+76
C= 1077
F= 0
132.2
110.71
Exc= 2813
Emb= 0
198+22
C= 1736
F= 0
118.7
107.61
Exc= 2293
Emb= 0
197+70
C= 645
F= 0

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.	F-036-1(1)	1959	50	50

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

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

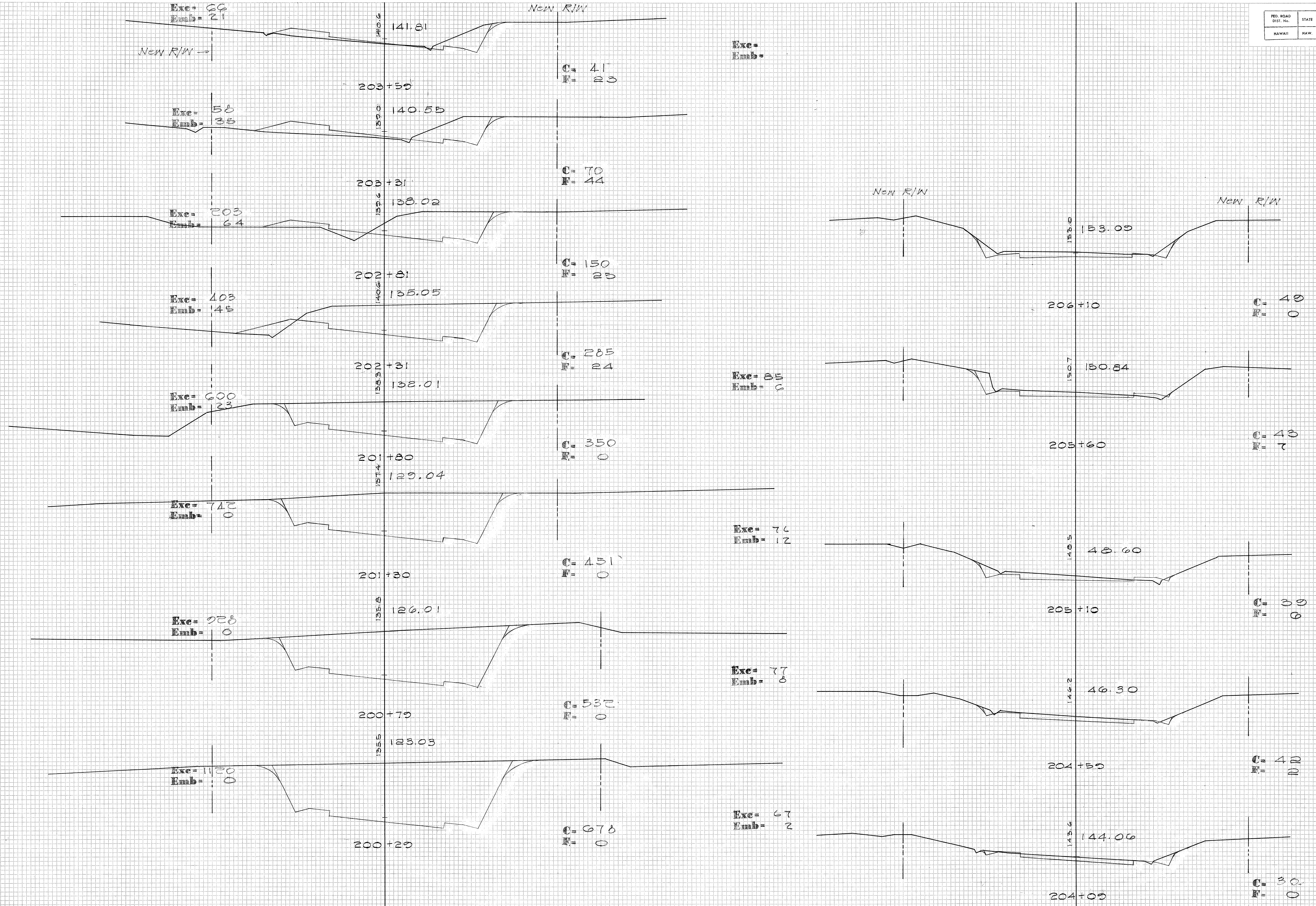

Exc= 66
Emb= 21
New R/W
New R/W →
140.6
141.81
C= 41
F= 23
203+59
Exc= 58
Emb= 35
139.0
140.55
C= 70
F= 44
203+31
Exc= 203
Emb= 64
139.6
138.02
C= 150
F= 25
202+81
Exc= 403
Emb= 45
140.6
135.05
C= 285
F= 24
202+31
Exc= 600
Emb= 23
138.3
132.01
C= 350
F= 0
201+80
Exc= 742
Emb= 0
137.4
129.04
C= 451
F= 0
201+30
Exc= 928
Emb= 0
135.8
126.01
C= 532
F= 0
200+79
Exc= 1120
Emb= 0
135.5
123.03
C= 678
F= 0
200+29
Exc=
Emb=
New R/W
New R/W
153.0
153.09
206+10
C= 49
F= 0
Exc= 85
Emb= 6
150.7
150.84
205+60
C= 43
F= 7
Exc= 76
Emb= 12
148.5
48.60
205+10
C= 39
F= 6
Exc= 77
Emb= 8
146.2
46.30
204+59
C= 42
F= 2
Exc= 67
Emb= 2
143.6
144.06
204+09
C= 30
F= 0

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