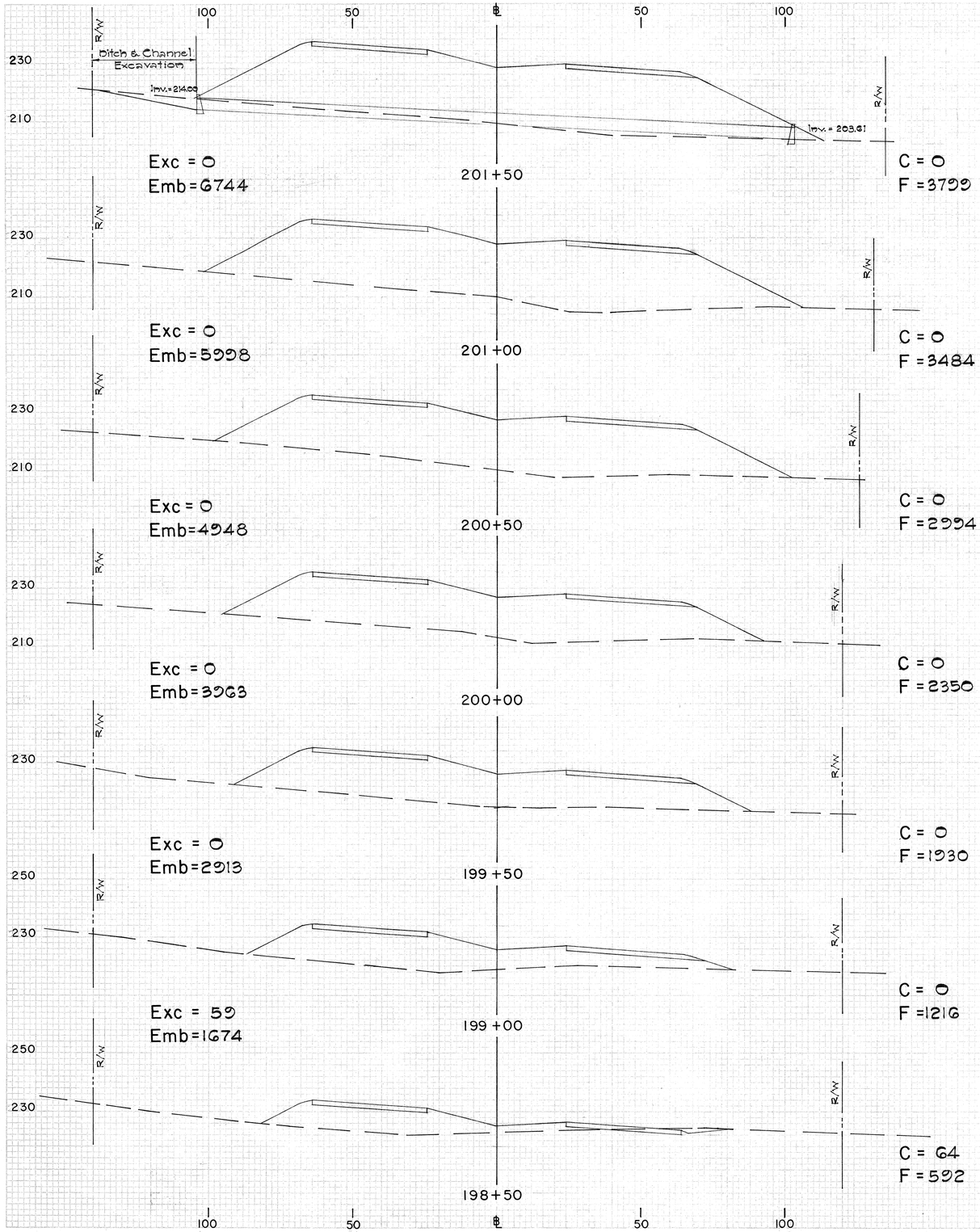
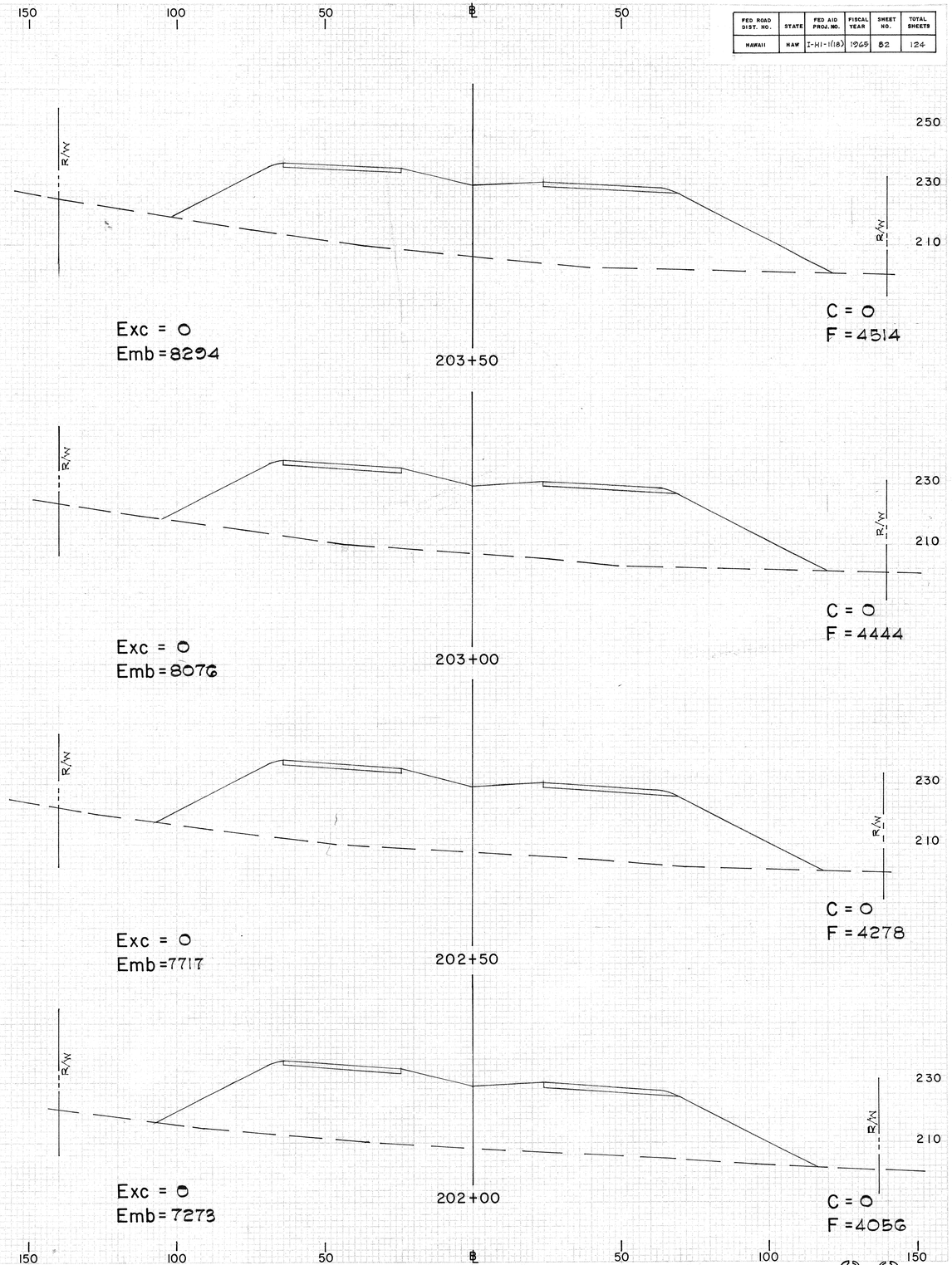
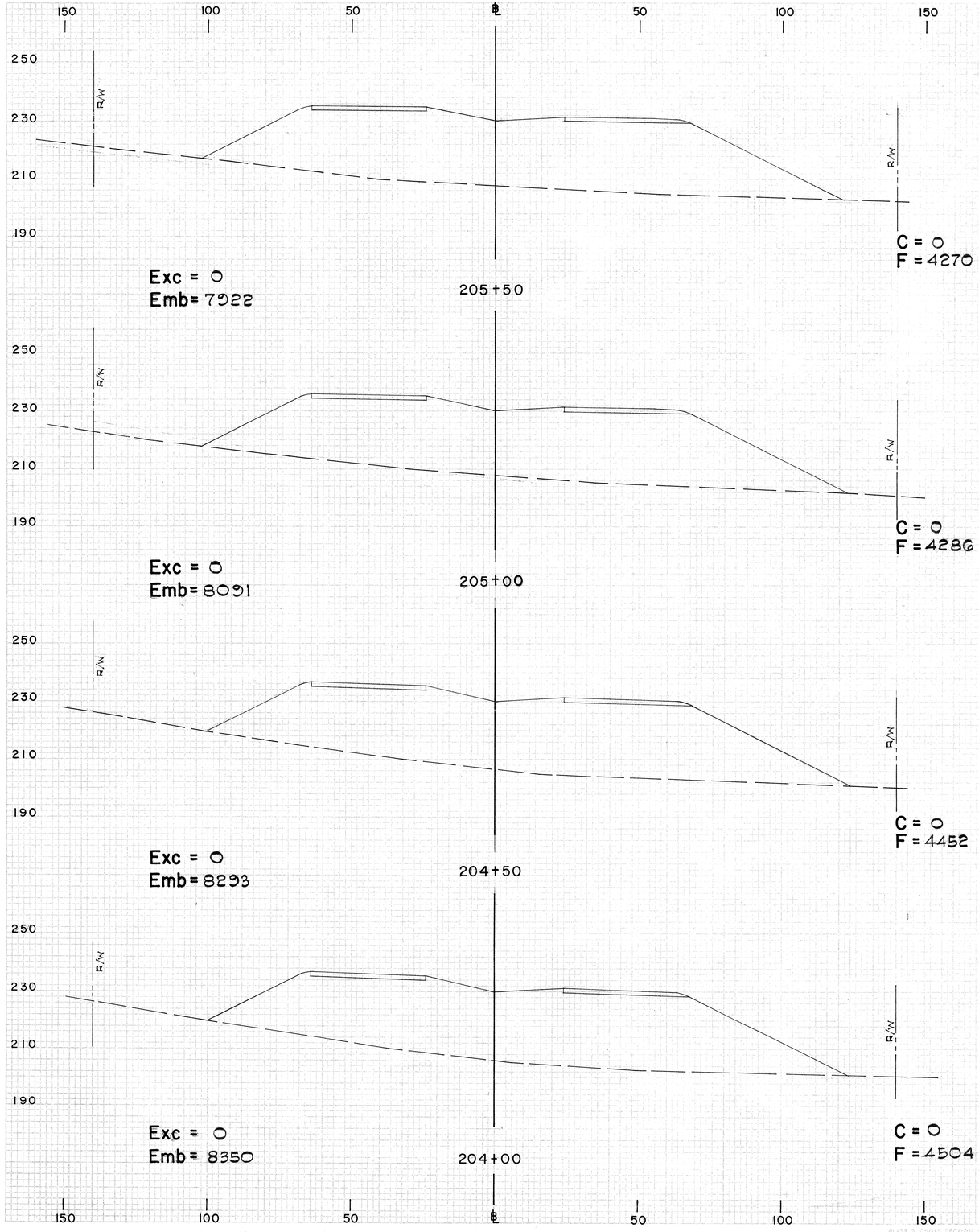
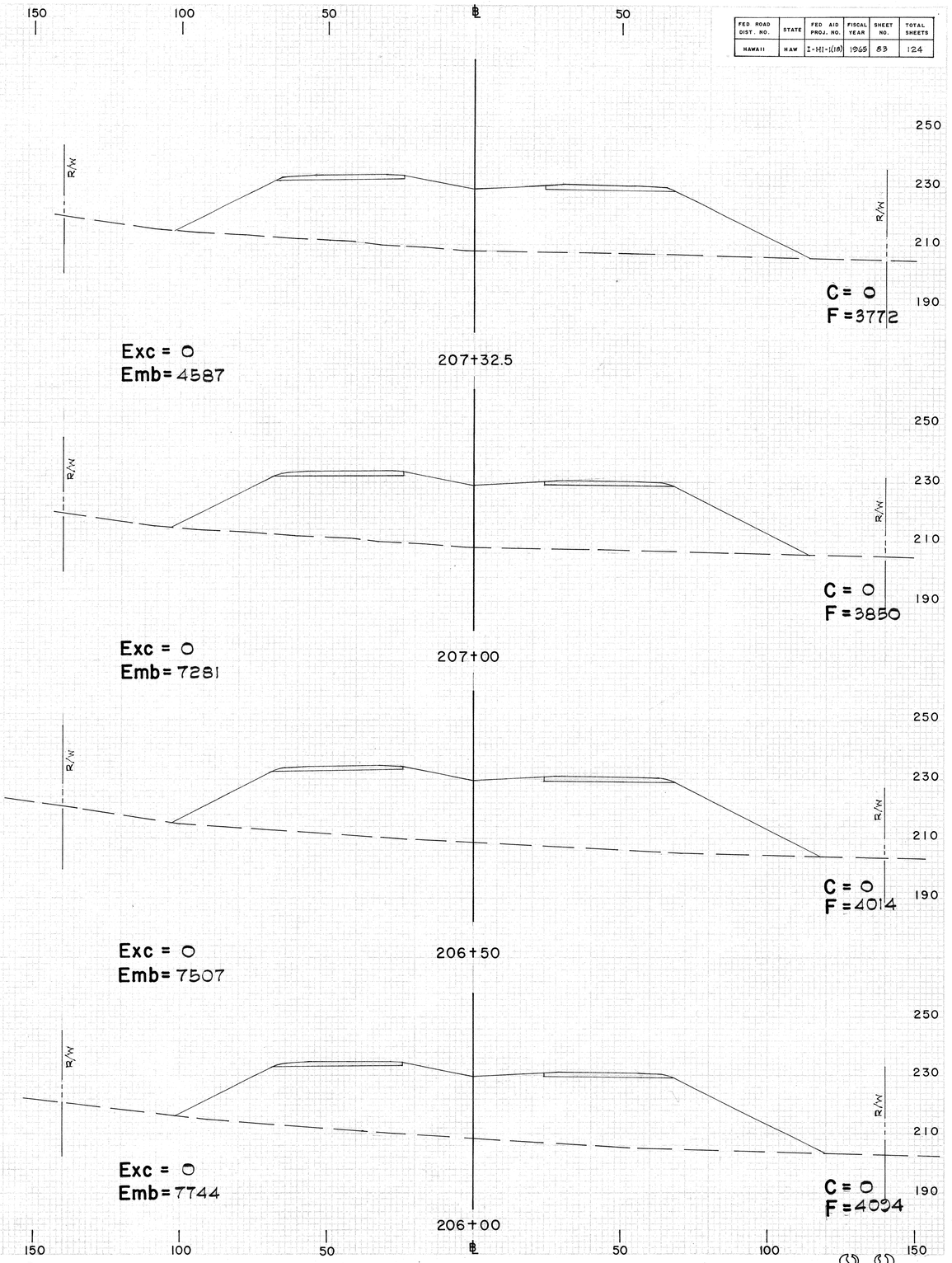
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	82	124





FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	83	124

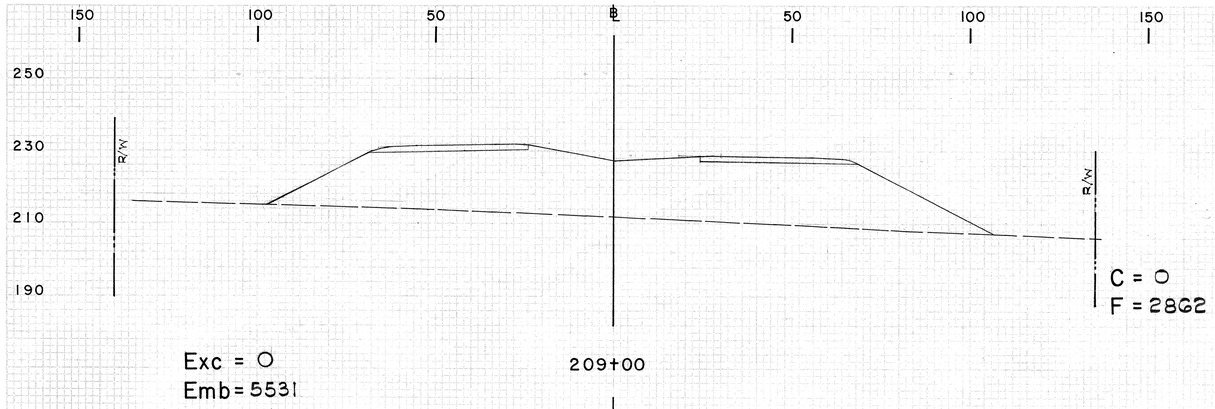




S 83

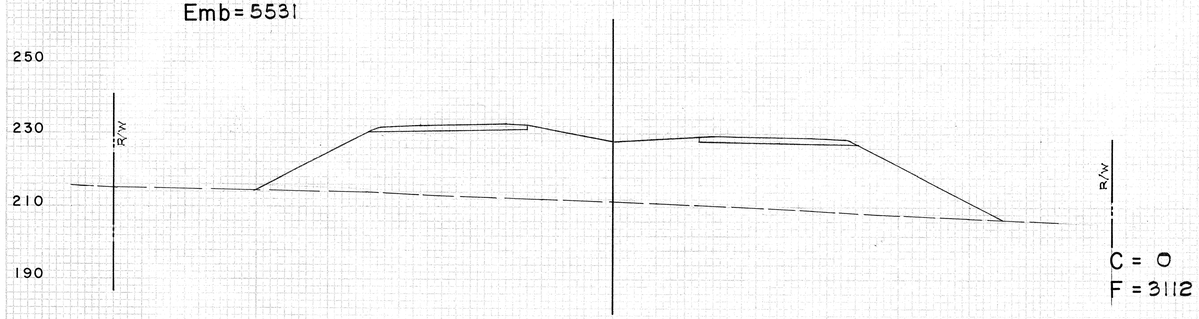
DD-9,4-U

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(18)	1965	84	124



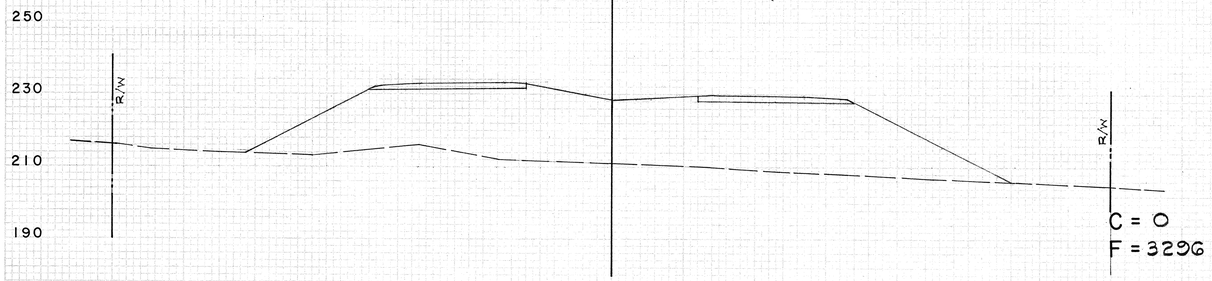
Exc = O
Emb = 5531

209+00



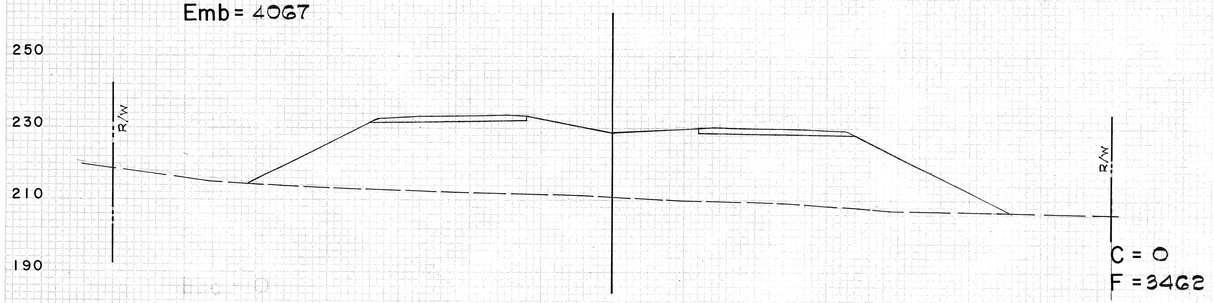
Exc = O
Emb = 5933

208+50

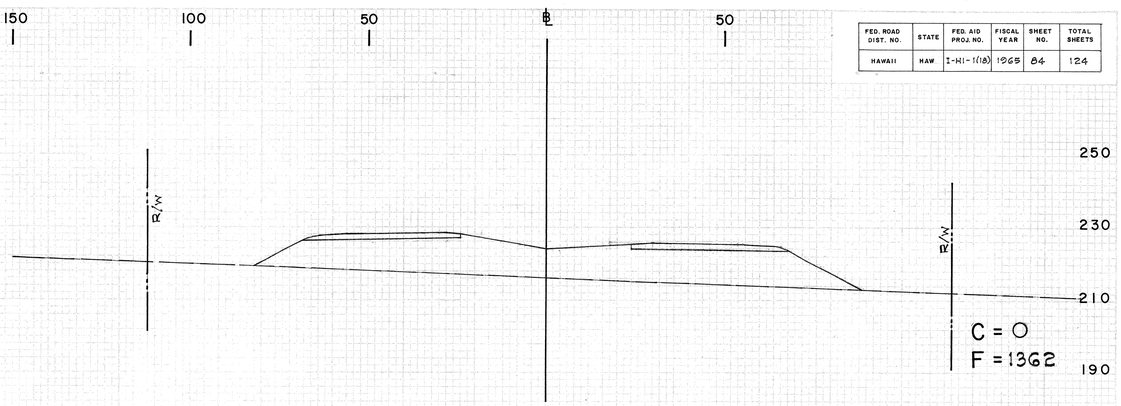


Exc = O
Emb = 4067

208+00

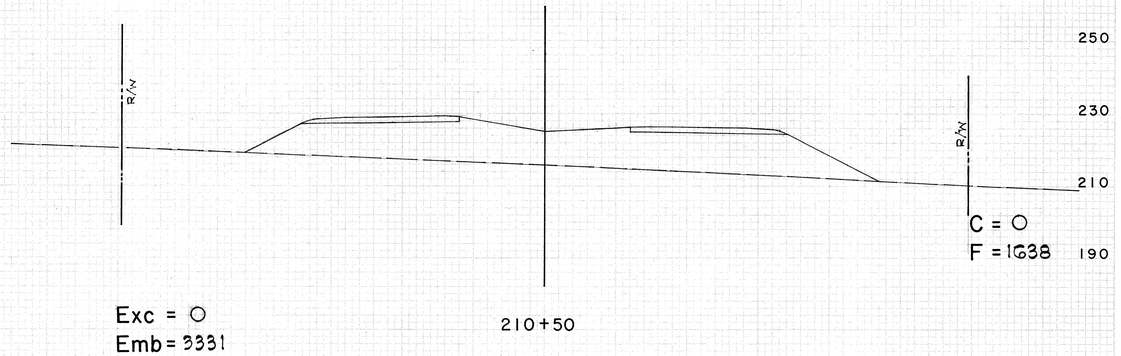


207+67.50



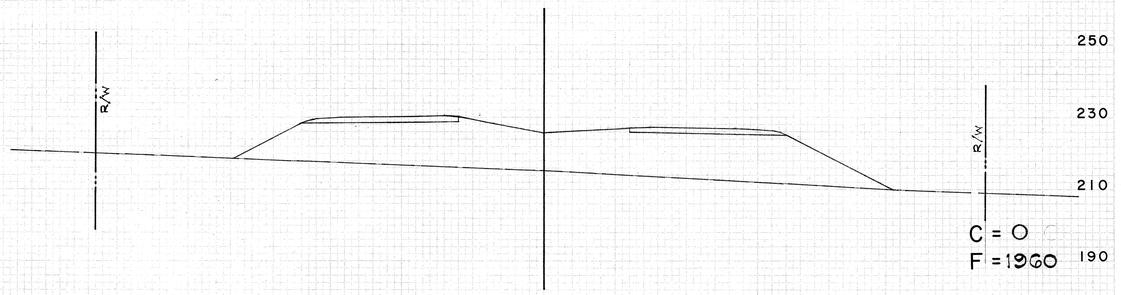
Exc = O
Emb = 2778

211 + 00



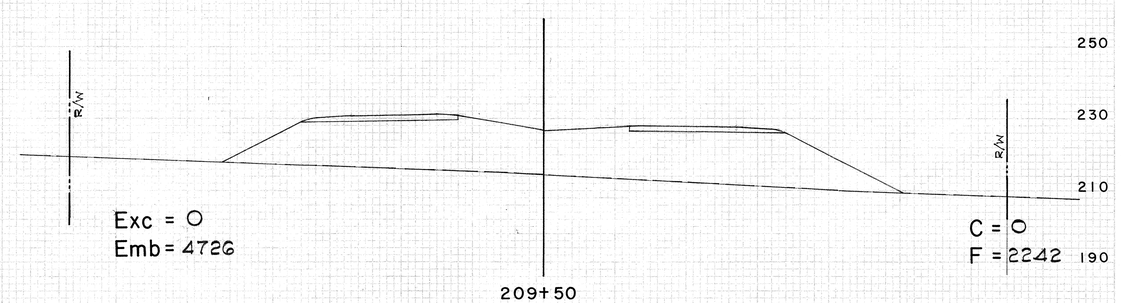
Exc = O
Emb = 3331

210+50



Exc = O
Emb = 3891

210+00

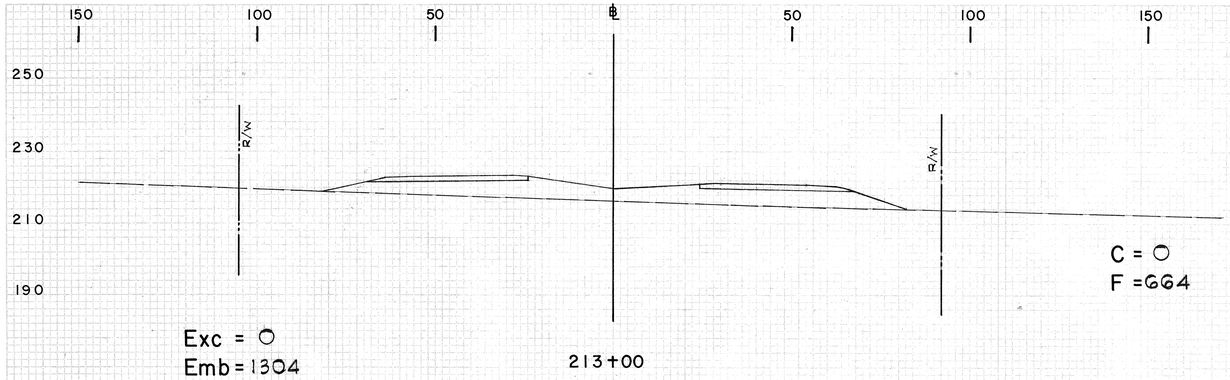


Exc = O
Emb = 4726

209+50

S 4

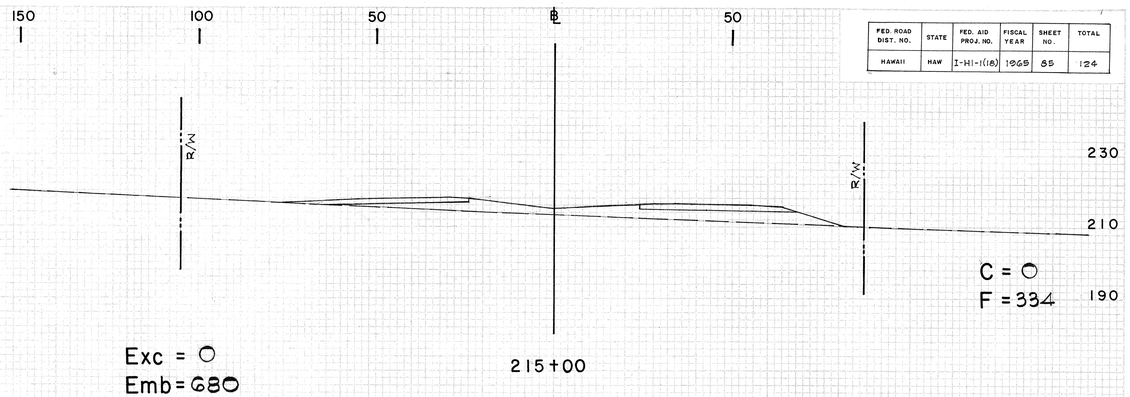
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL
HAWAII	HAW	I-HI-1(18)	1965	85	124



C = 0
F = 664

Exc = 0
Emb = 1304

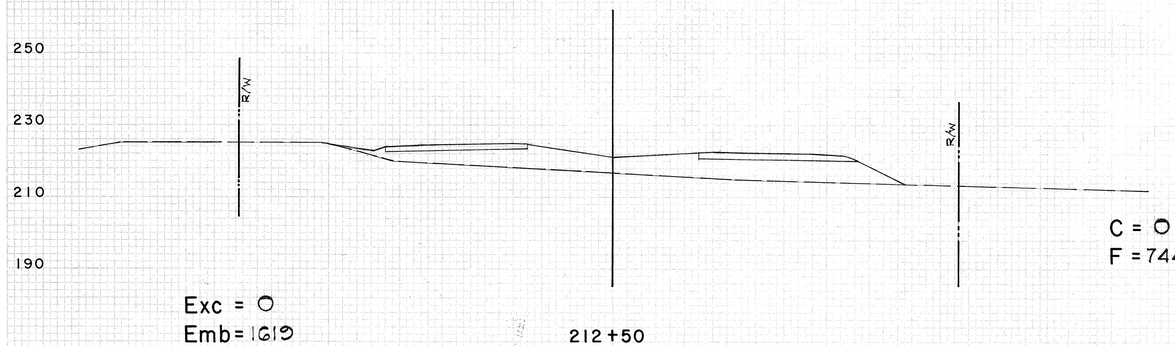
213+00



C = 0
F = 334

Exc = 0
Emb = 680

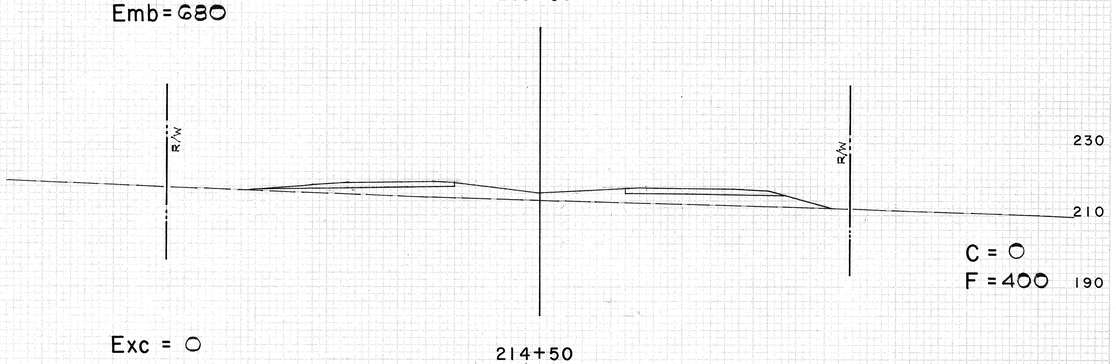
215+00



C = 0
F = 744

Exc = 0
Emb = 1619

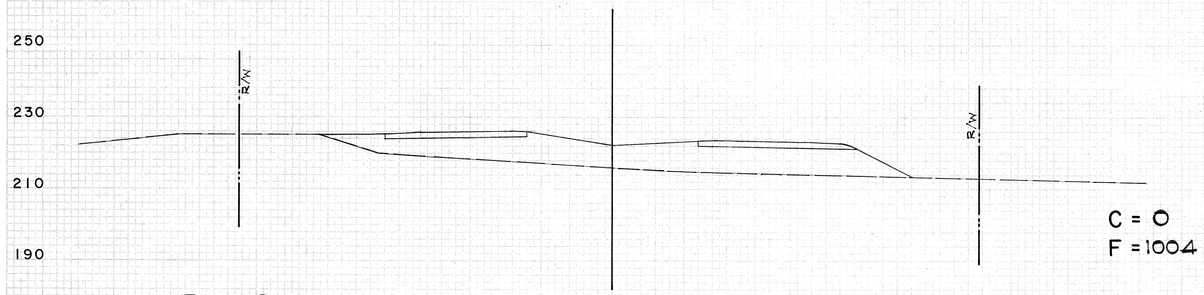
212+50



C = 0
F = 400

Exc = 0
Emb = 852

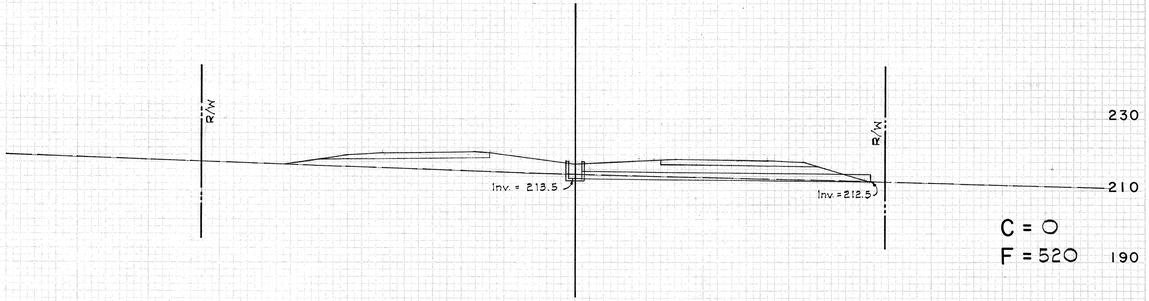
214+50



C = 0
F = 1004

Exc = 0
Emb = 2069

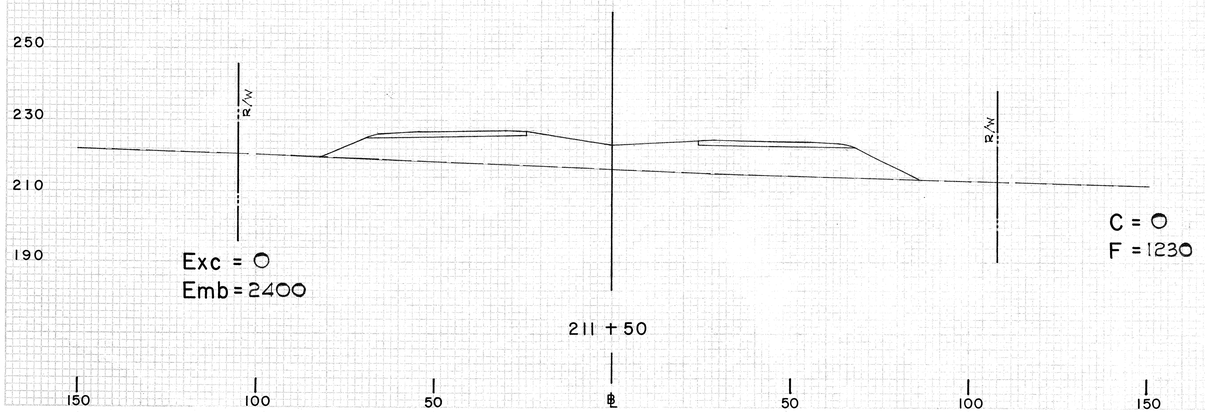
212+00



C = 0
F = 520

Exc = 0
Emb = 1028

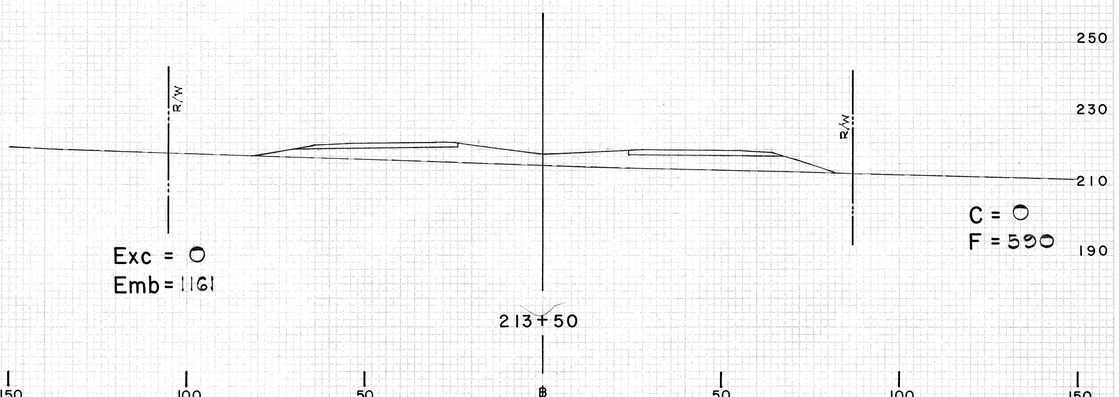
214+00



C = 0
F = 1230

Exc = 0
Emb = 2400

211+50



C = 0
F = 590

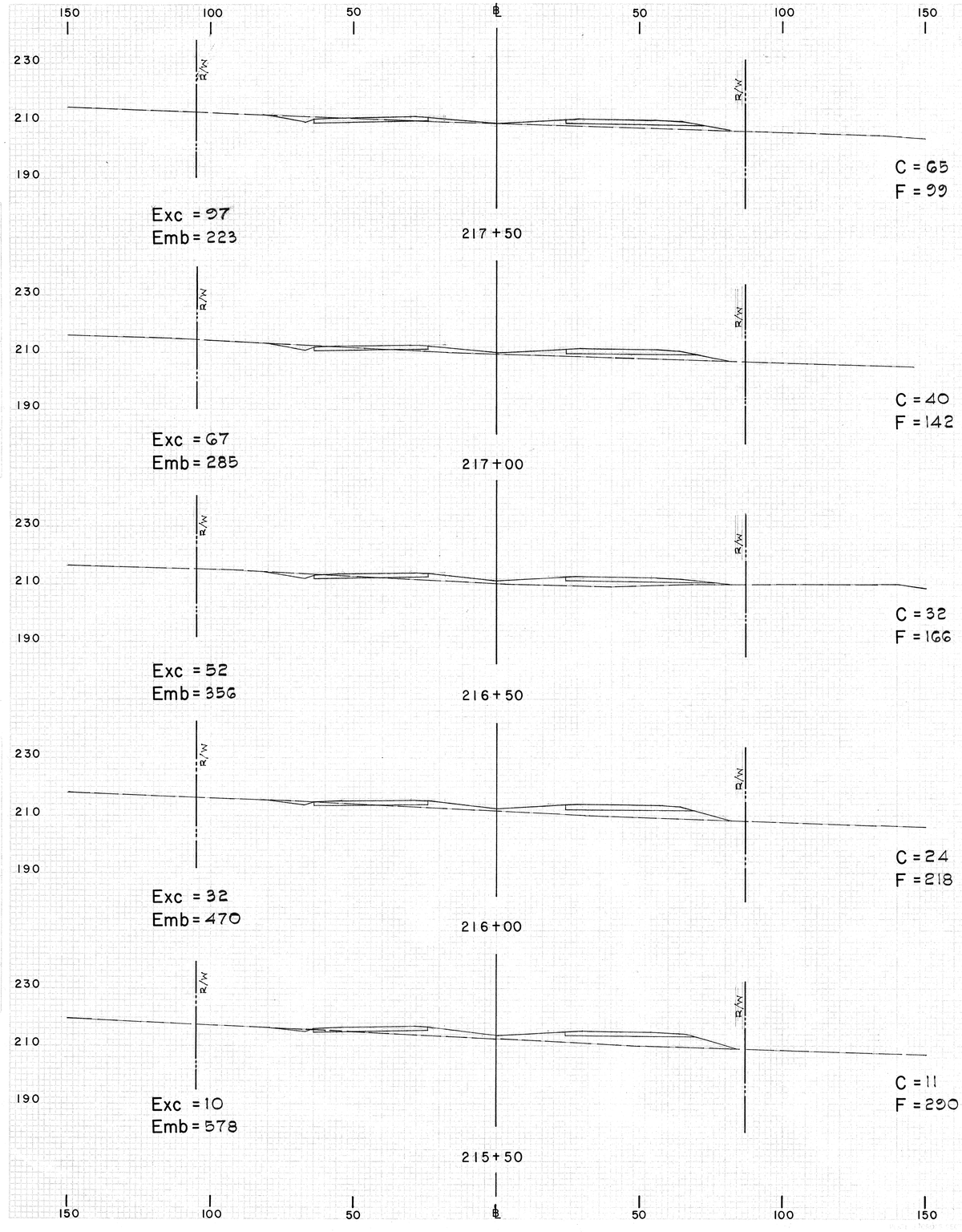
Exc = 0
Emb = 1161

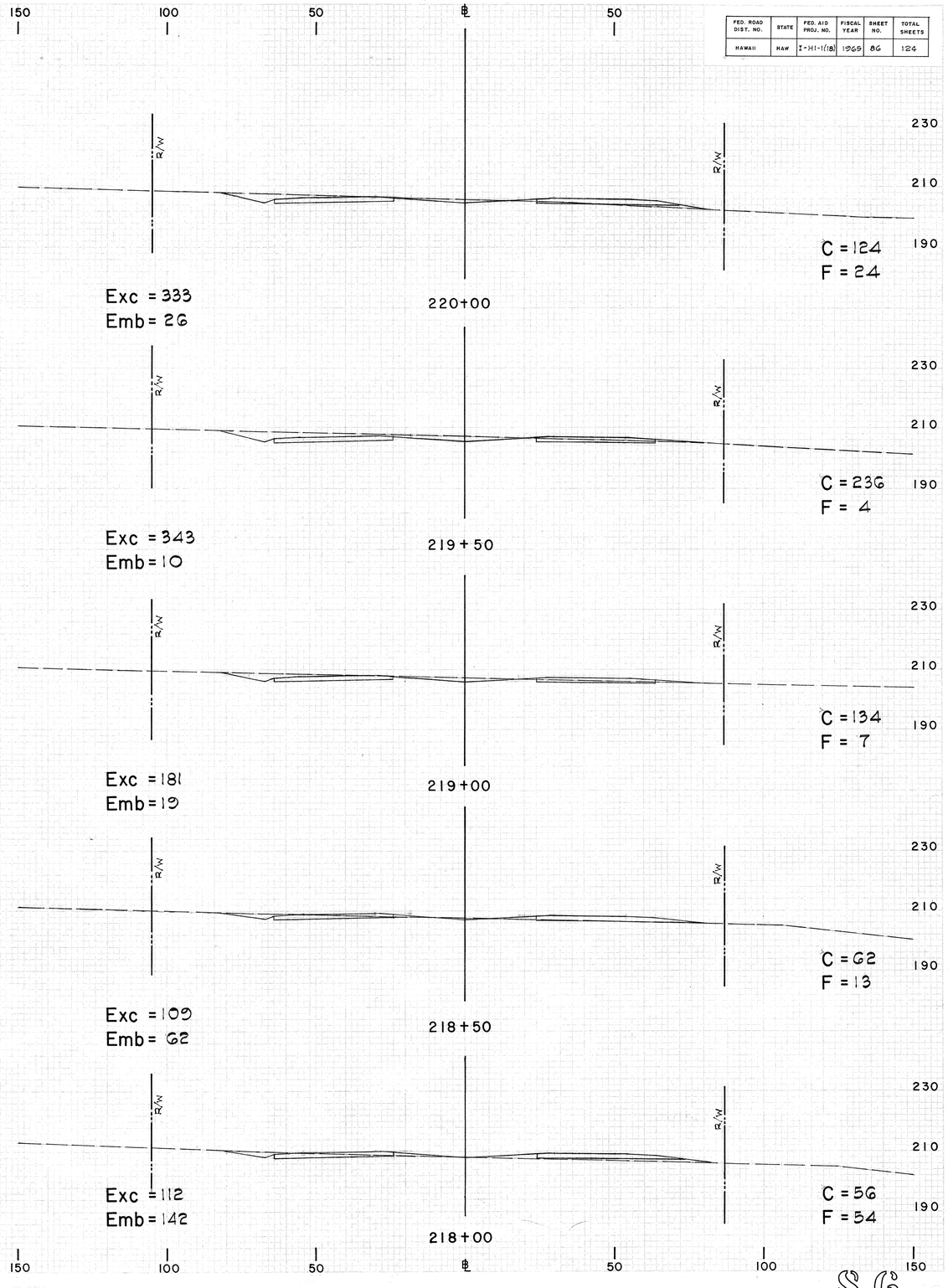
213+50

S 5

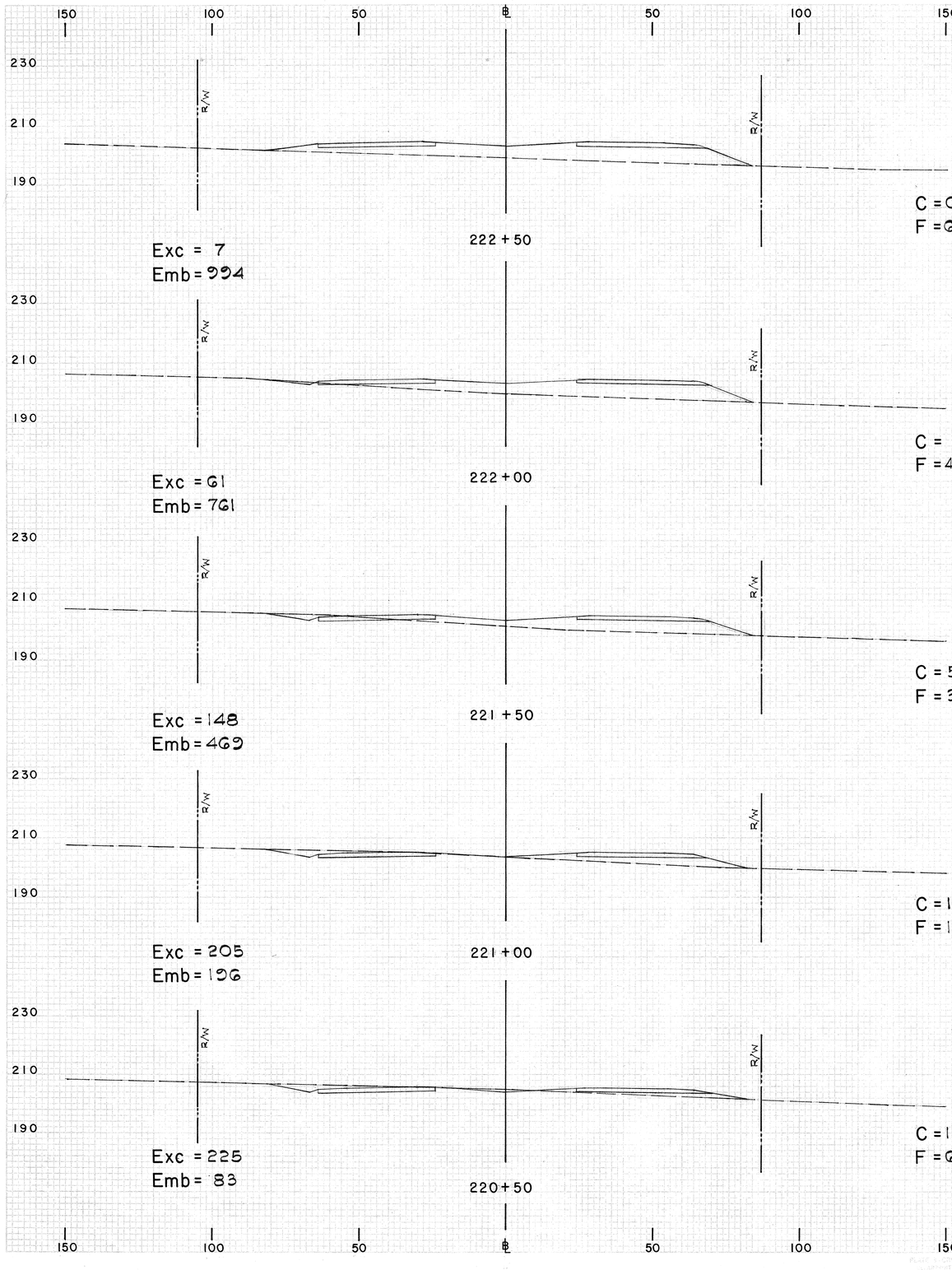
DD-8-4-U

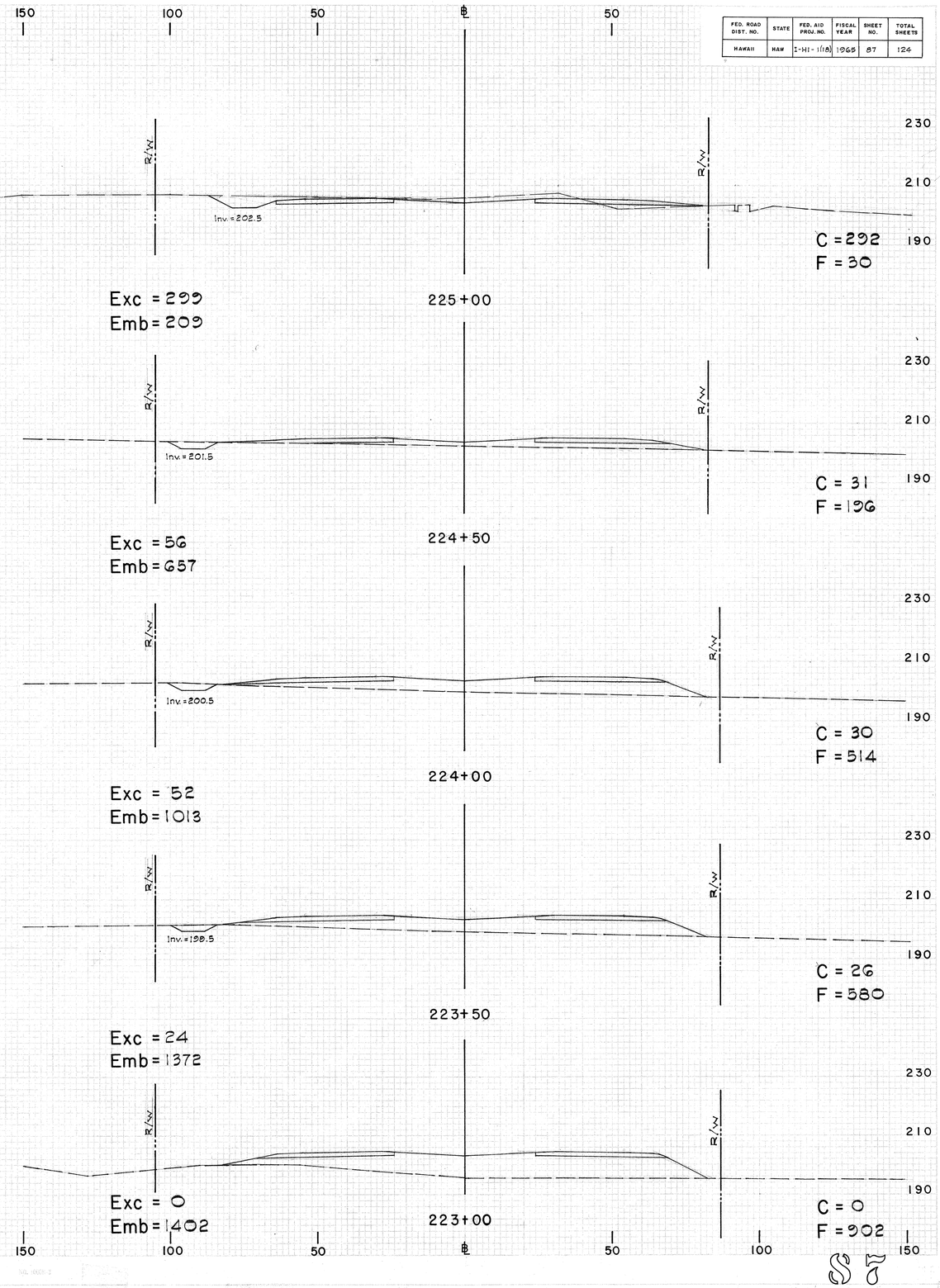
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	86	124





FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	87	124





FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1969	88	124

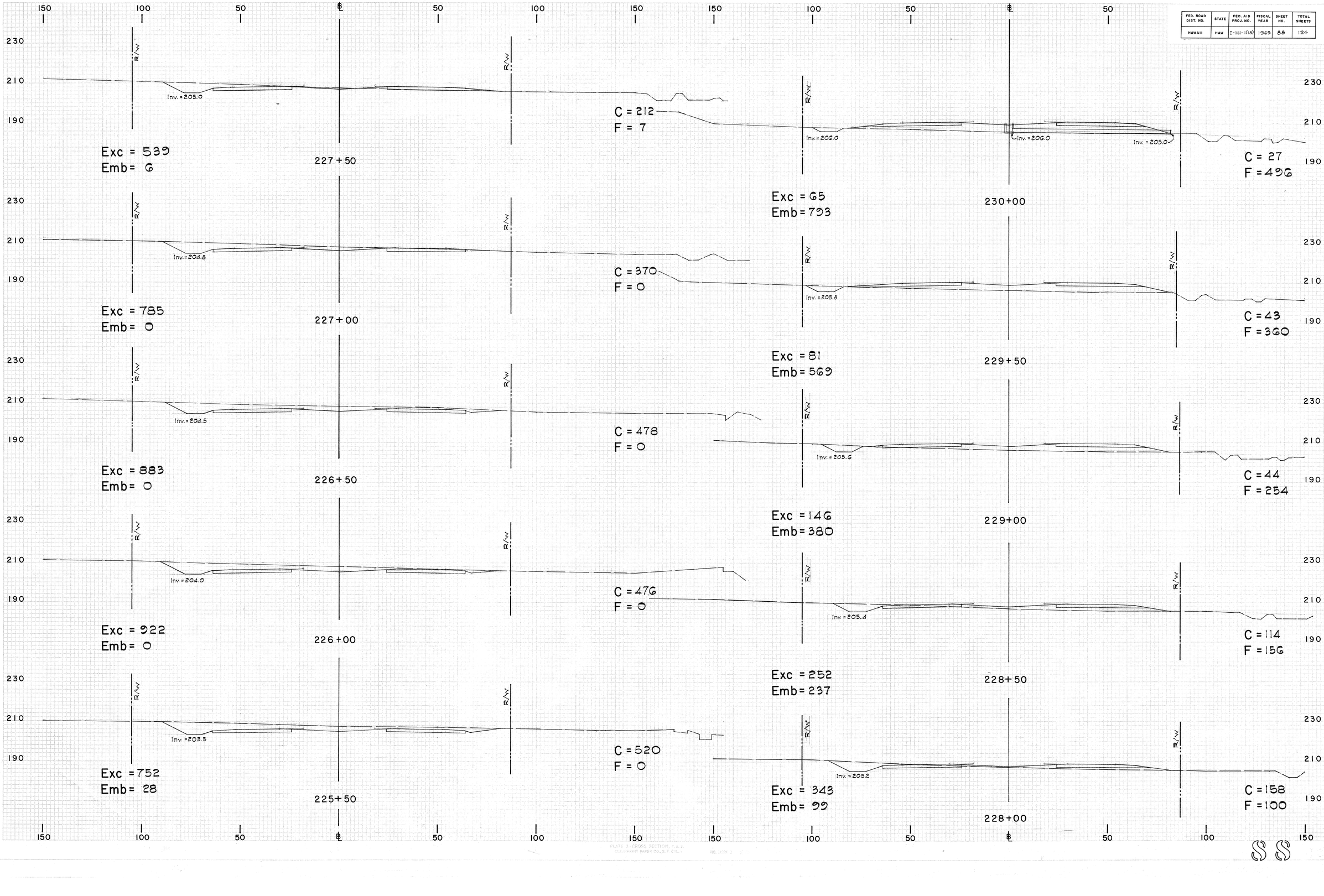
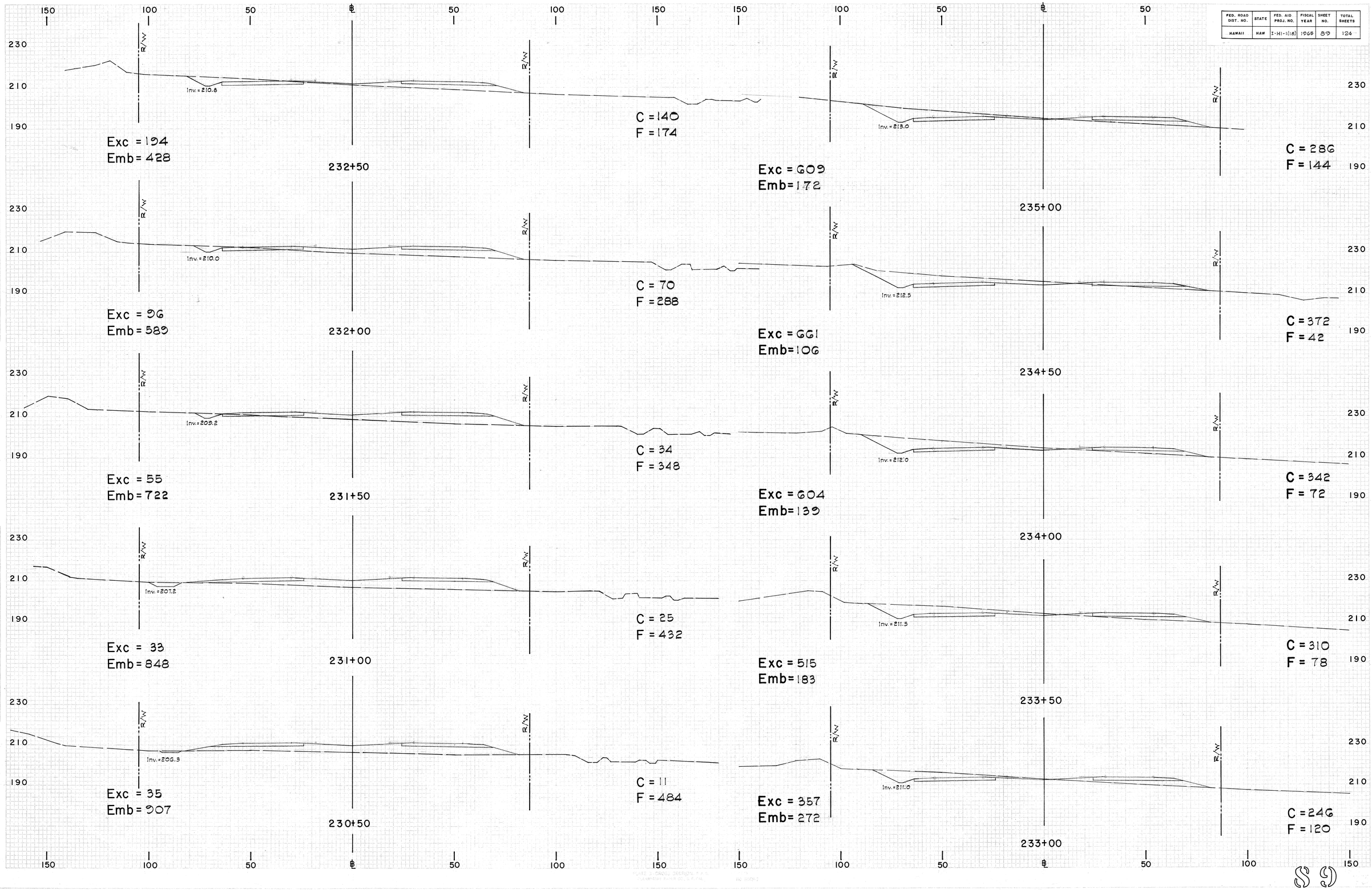


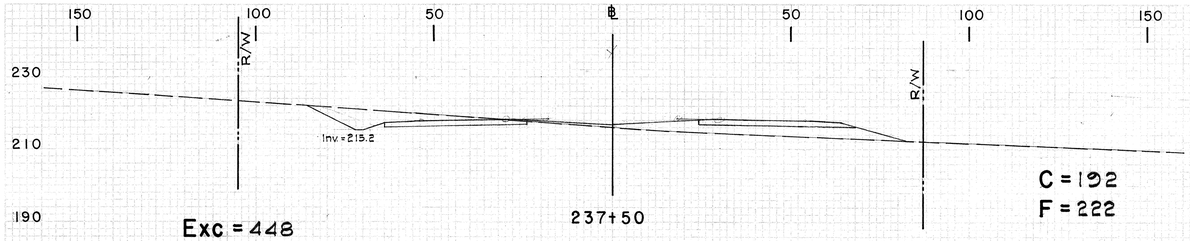
PLATE 3-CROSS SECTION, C.a.2.
BLUEPRINT PAPER CO., S.F. CAL.
NO. 1609-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1968	89	124



FINAL SURVEY
SURVEYED
PLOTTED
FIELD BOOK
NOTE BOOK
NO.
DATE
BY
ORIGINAL SURVEY
SURVEYED
PLOTTED
FIELD BOOK
NOTE BOOK
NO.
DATE
BY
CHECKED

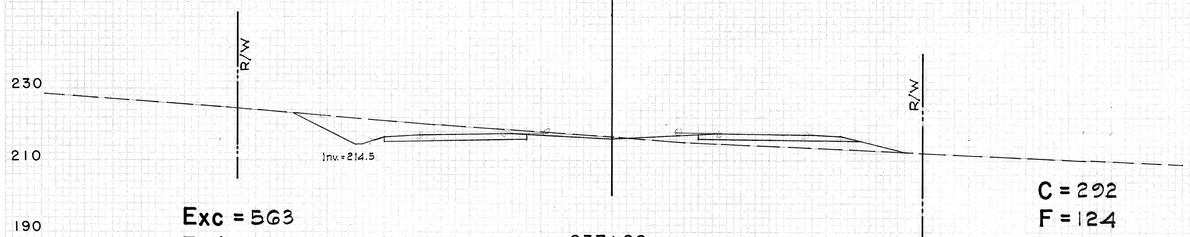
FED ROAD DIST NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	90	124



Exc = 448
Emb= 320

237+50

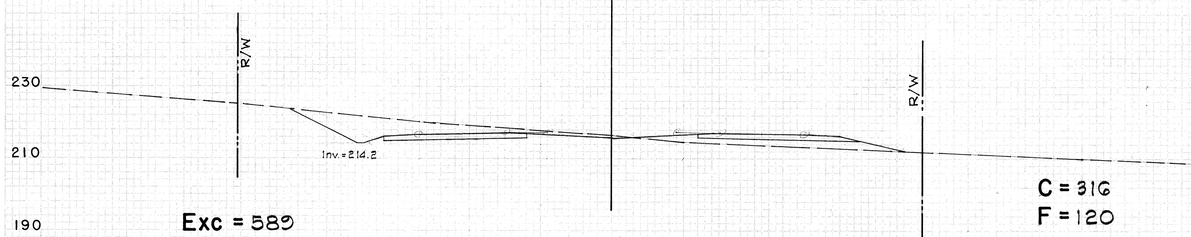
C = 192
F = 222



Exc = 563
Emb= 226

237+00

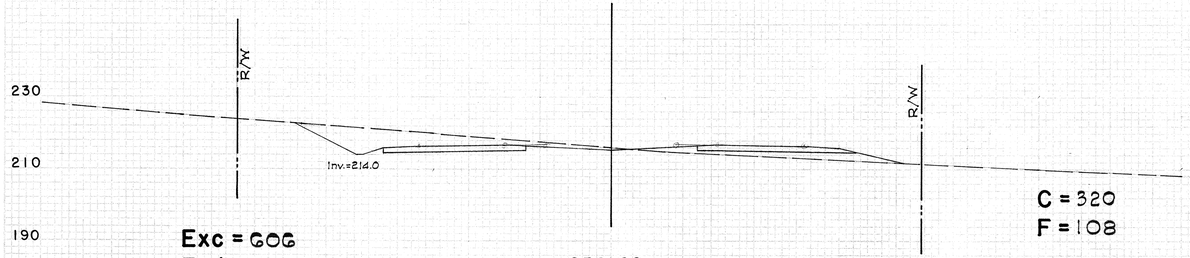
C = 292
F = 124



Exc = 589
Emb= 211

236+50

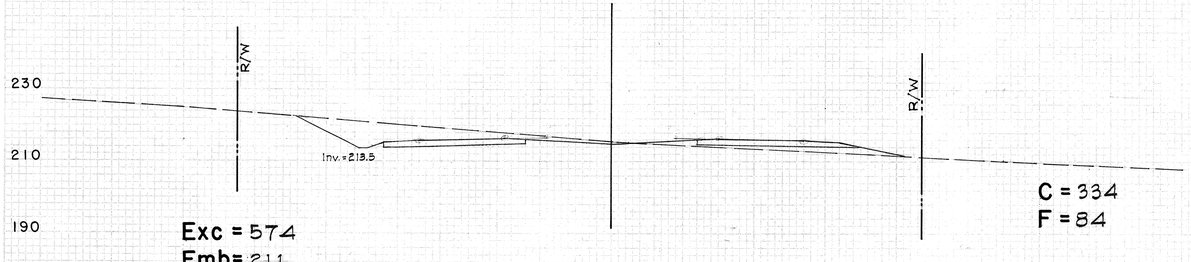
C = 316
F = 120



Exc = 606
Emb= 178

236+00

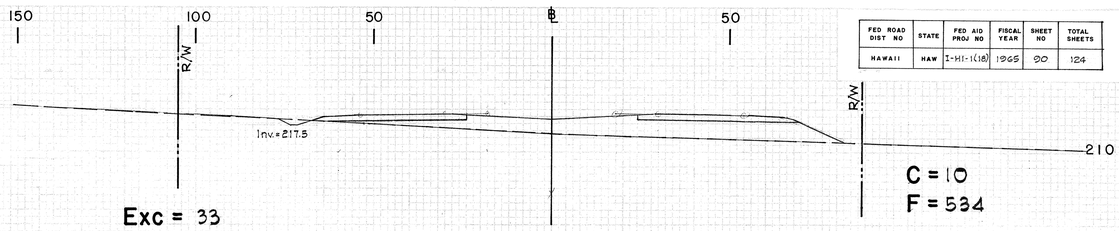
C = 320
F = 108



Exc = 574
Emb= 211

235+50

C = 334
F = 84



Exc = 33
Emb= 900

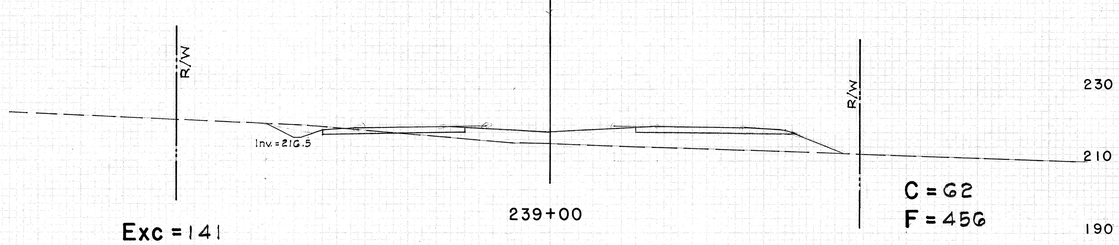
240+00

C = 10
F = 534

Exc = 81
Emb= 828

239+50

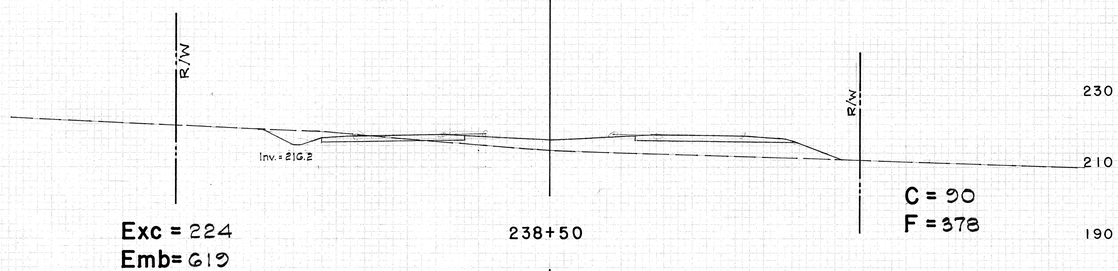
C = 26
F = 438



Exc = 141
Emb= 772

239+00

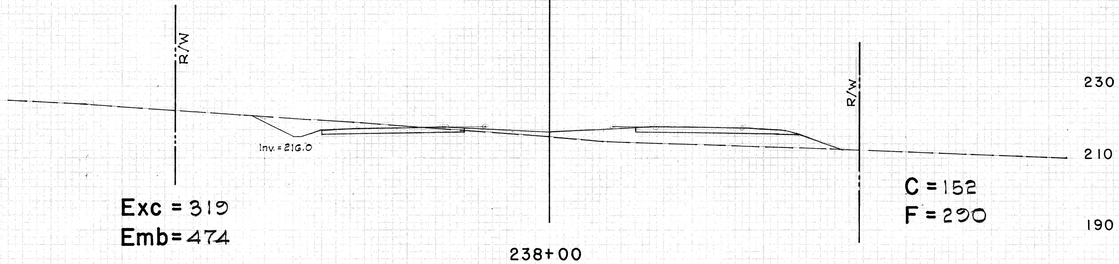
C = 62
F = 456



Exc = 224
Emb= 619

238+50

C = 90
F = 378

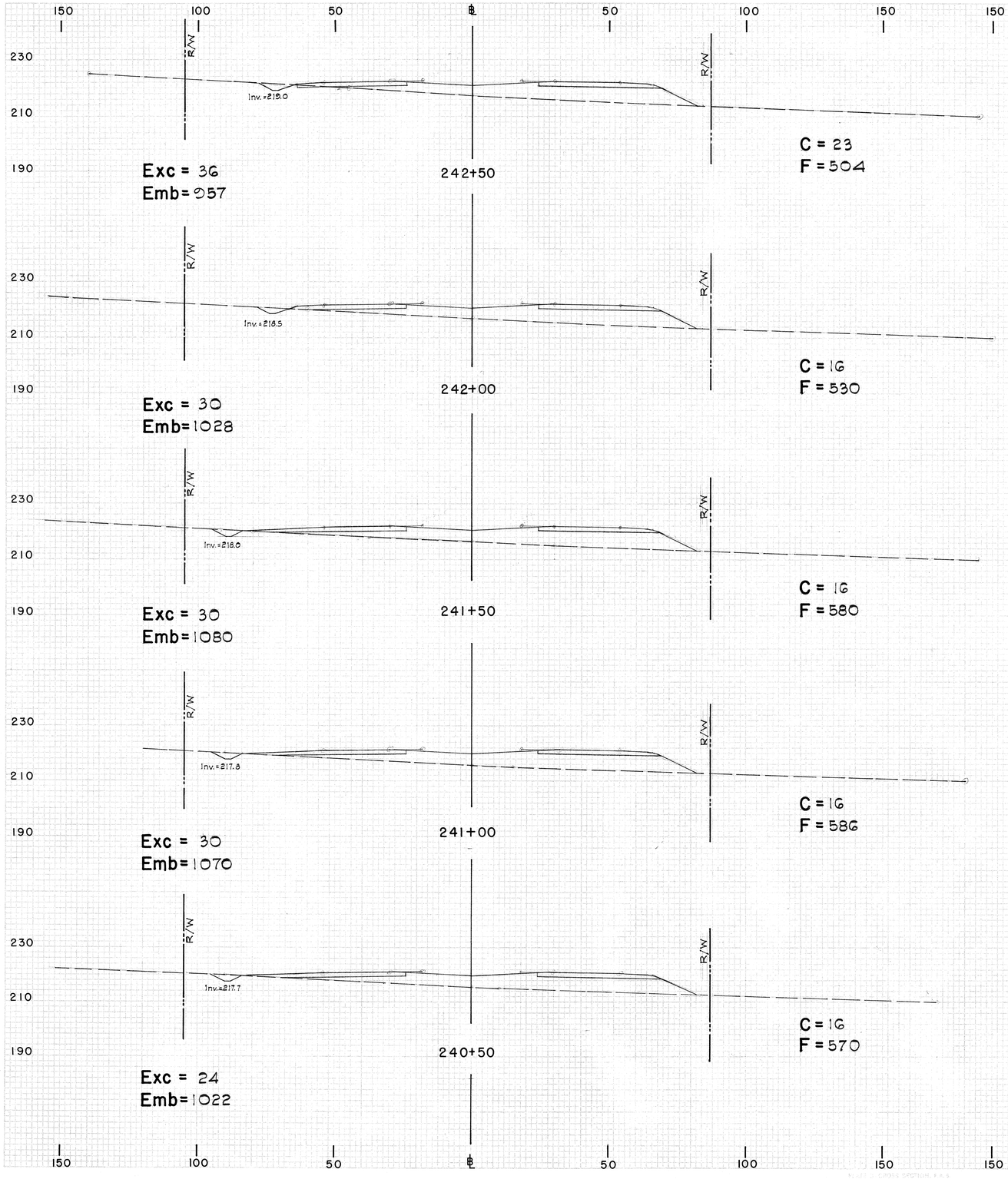


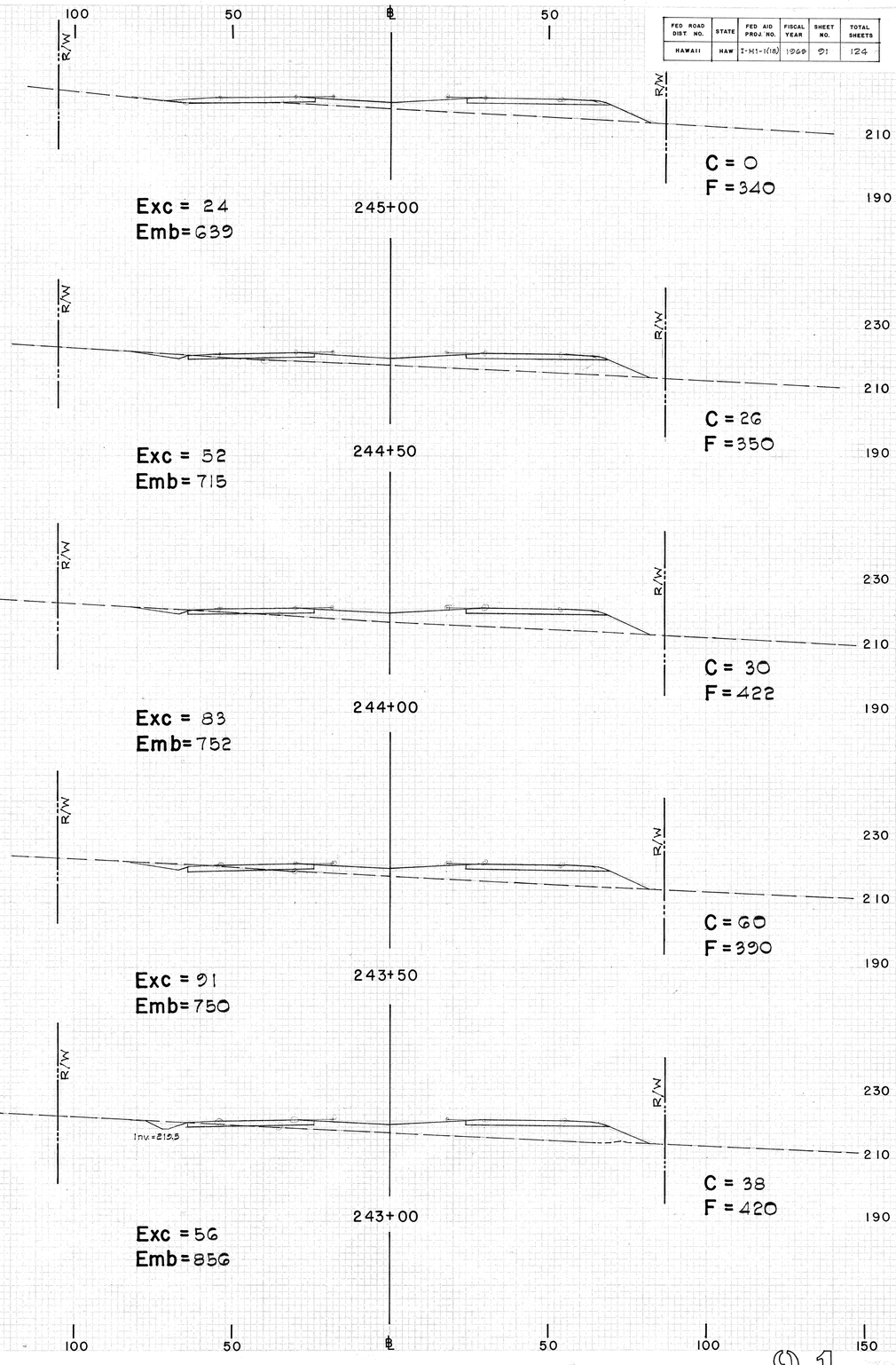
Exc = 319
Emb= 474

238+00

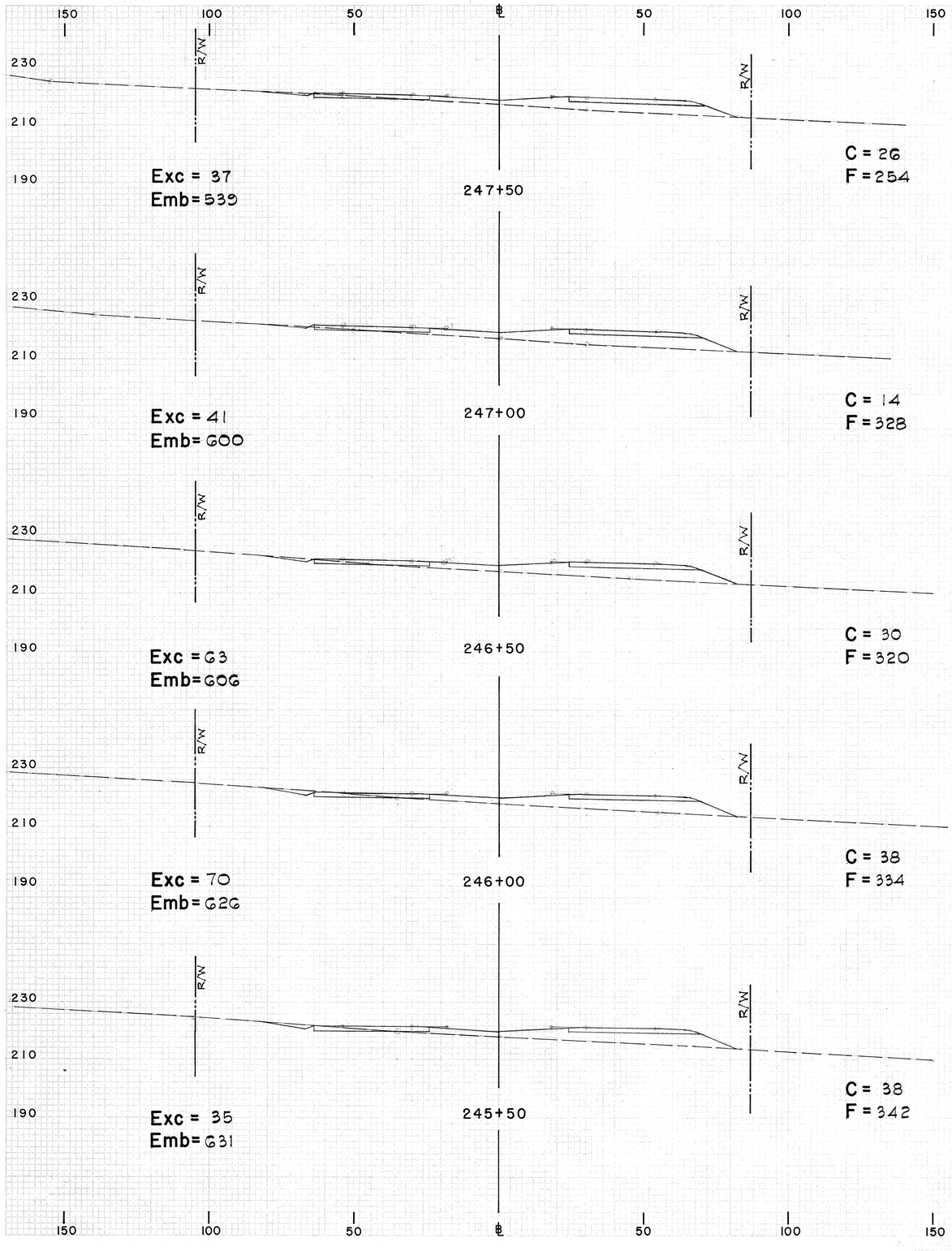
C = 152
F = 290

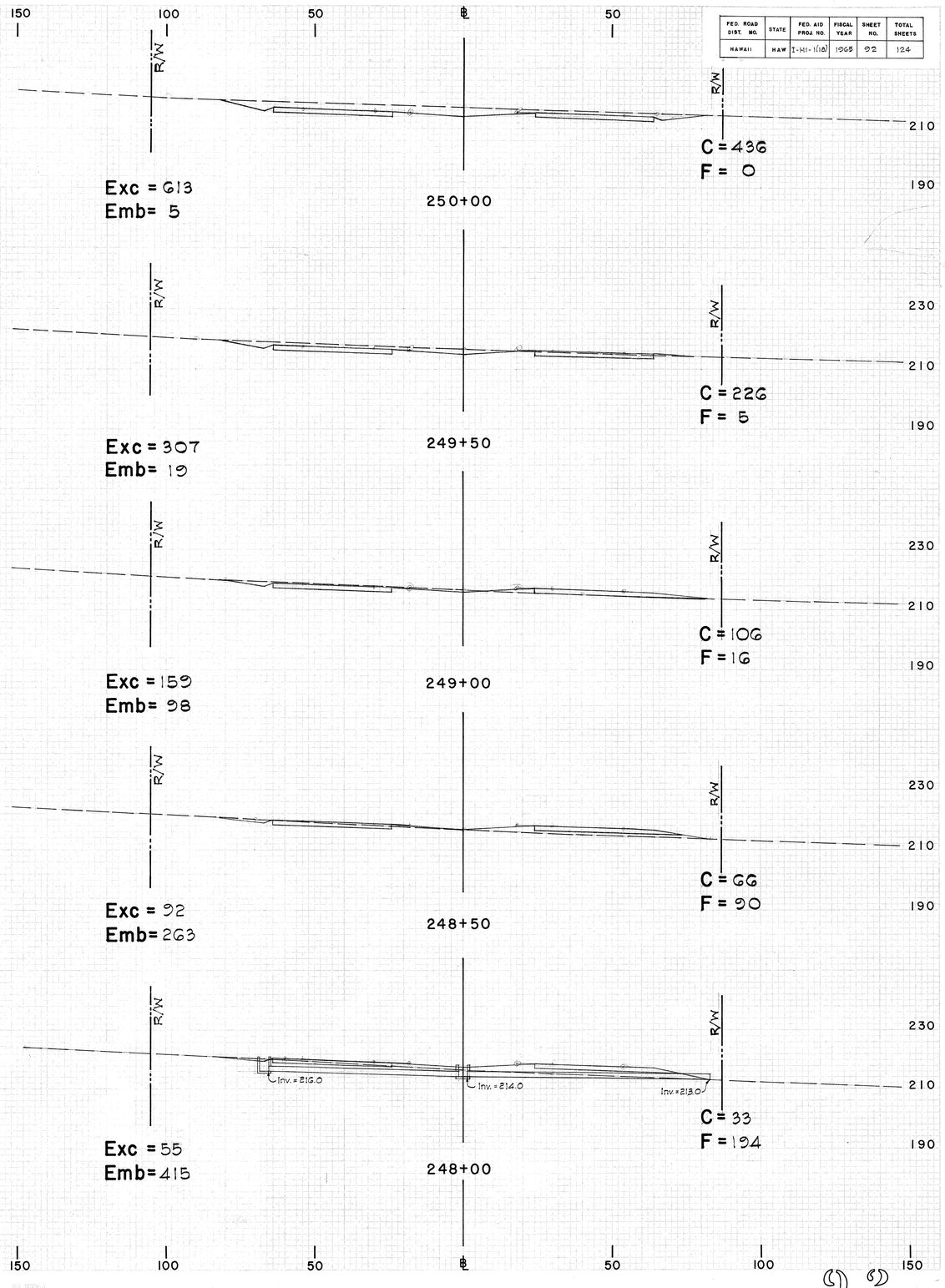
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1969	91	124



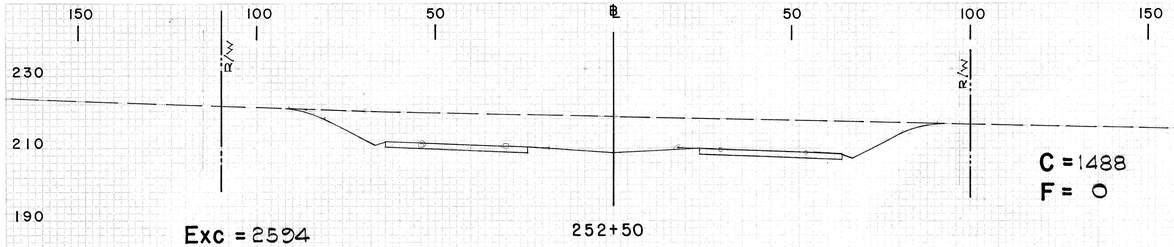


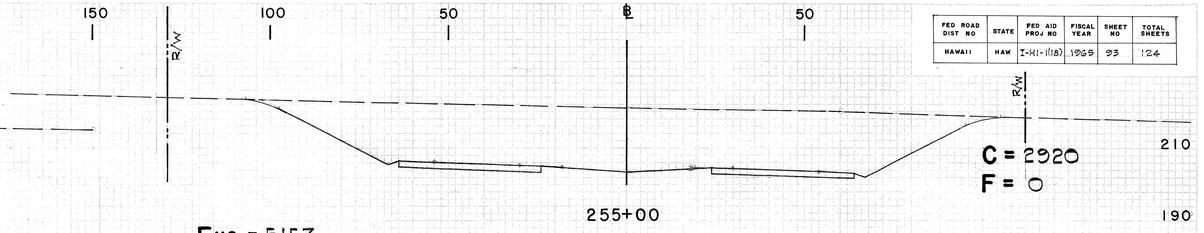
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	92	124

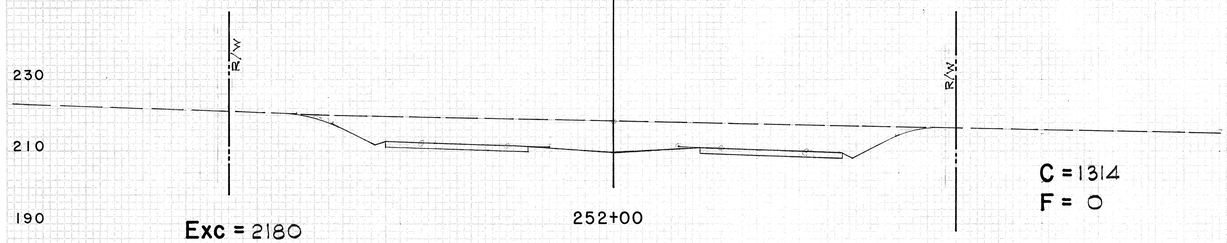


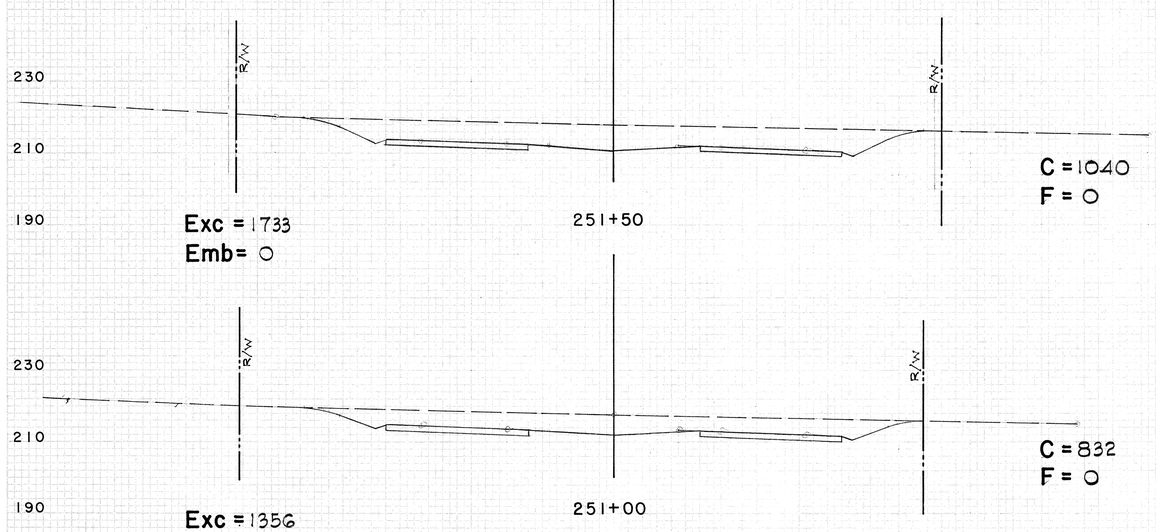


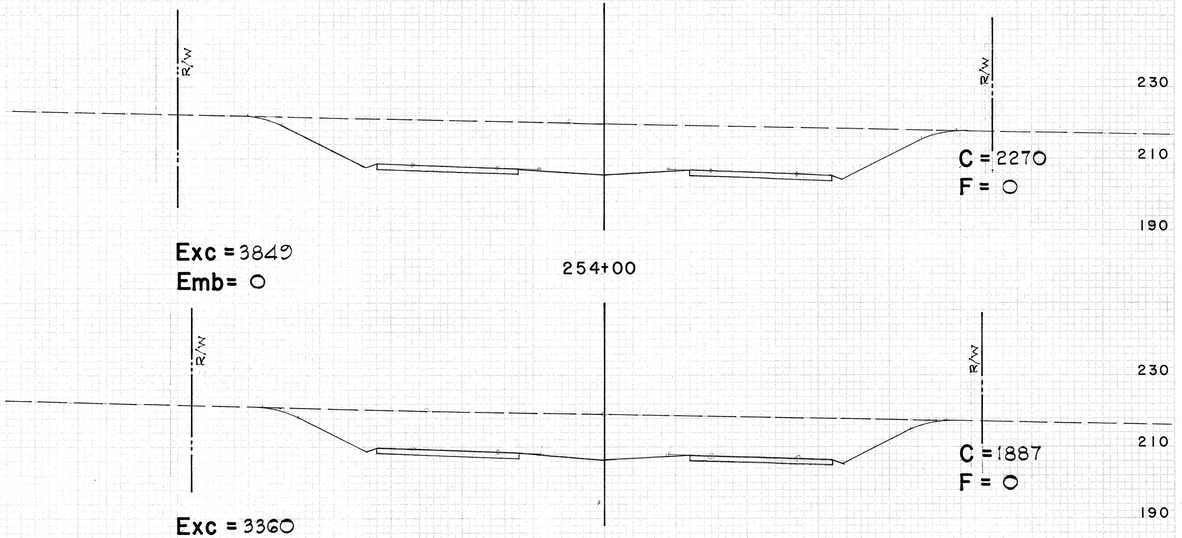
FED ROAD DIST NO.	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1968	33	124

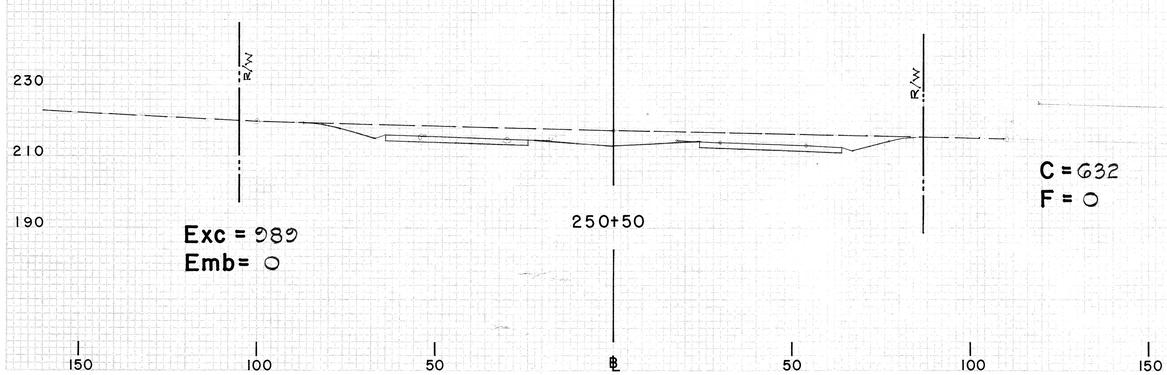


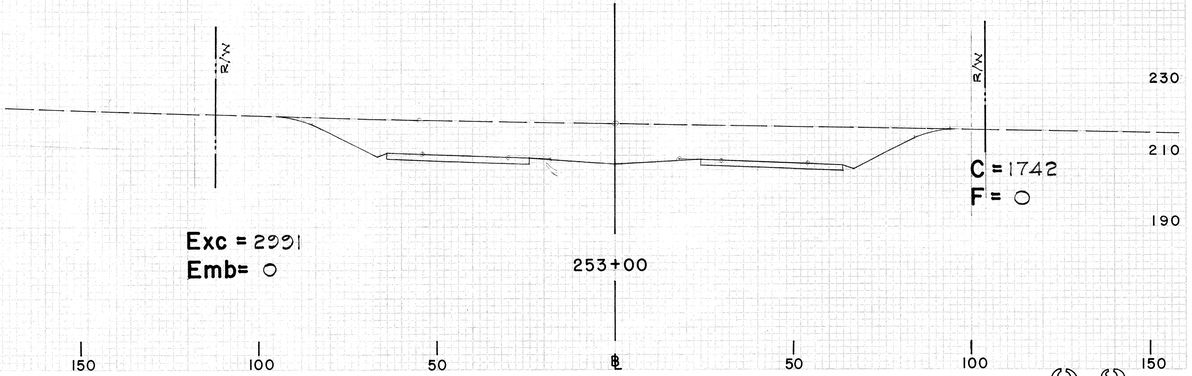




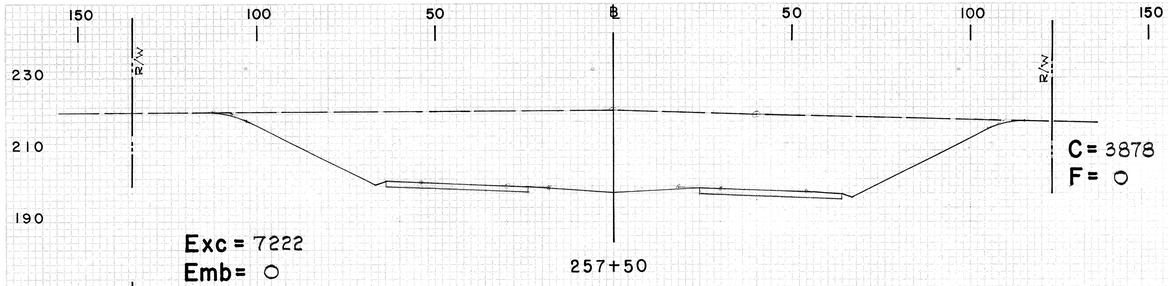


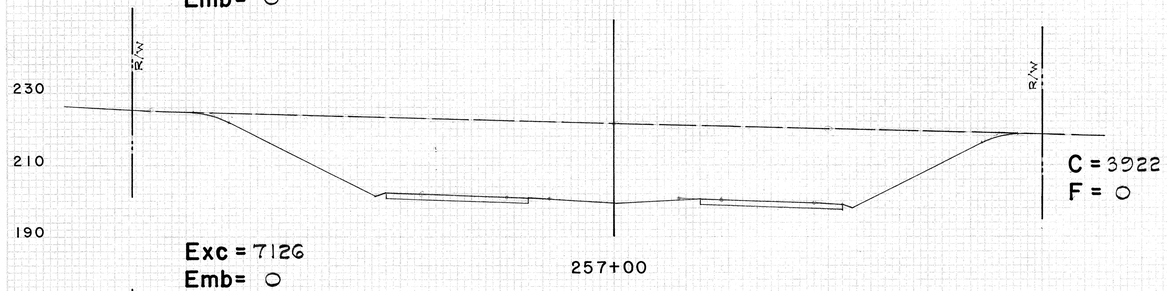


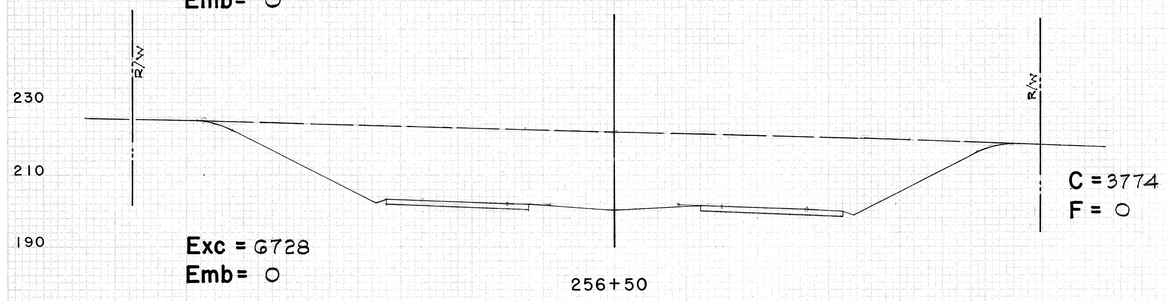


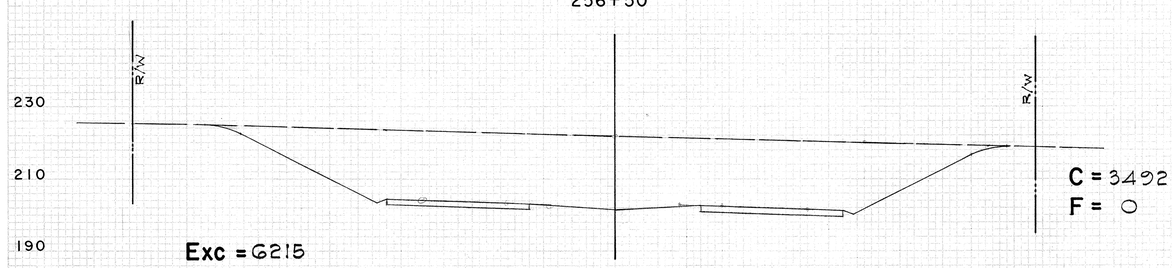


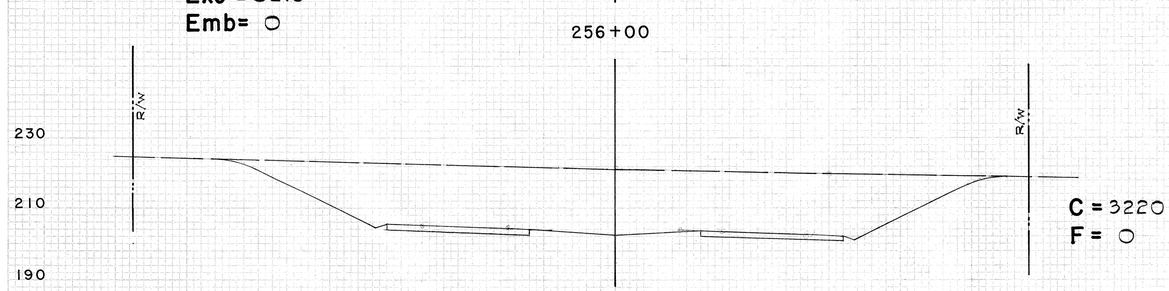
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	94	124

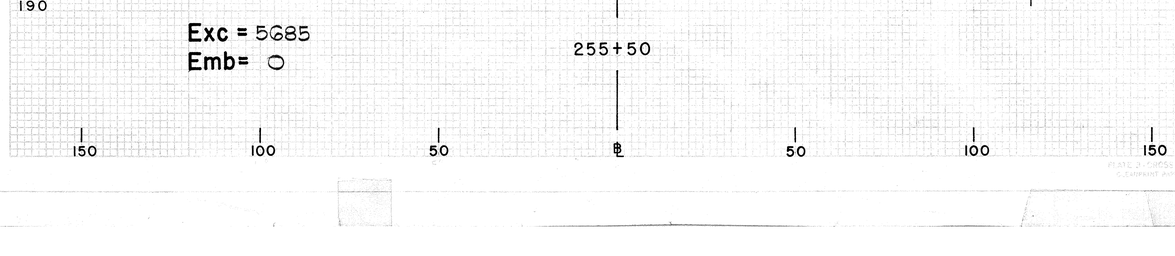


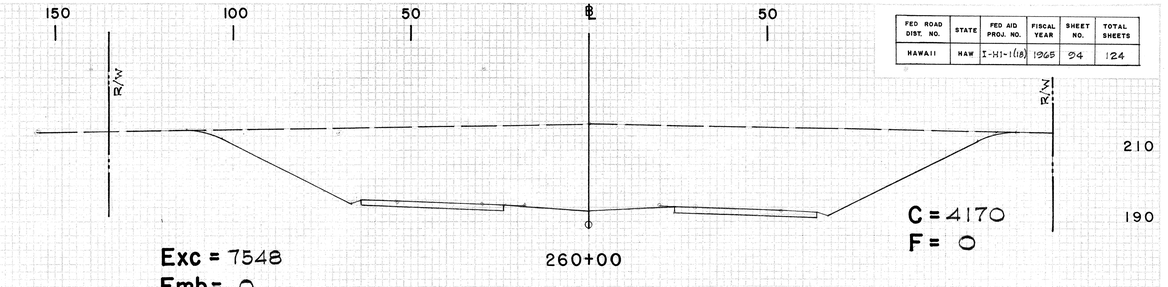


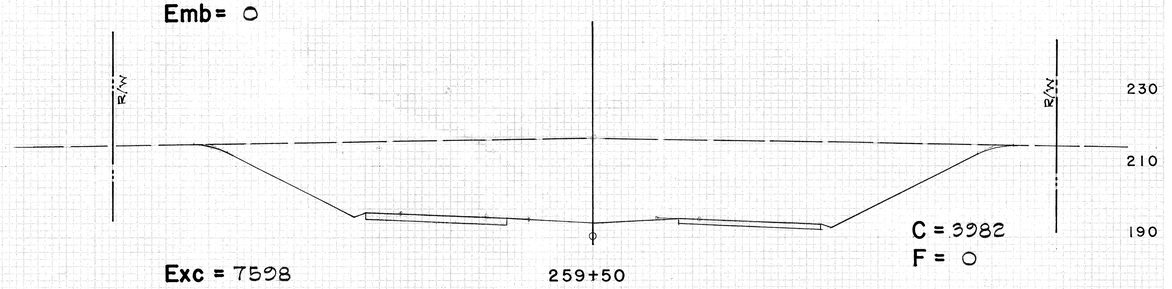


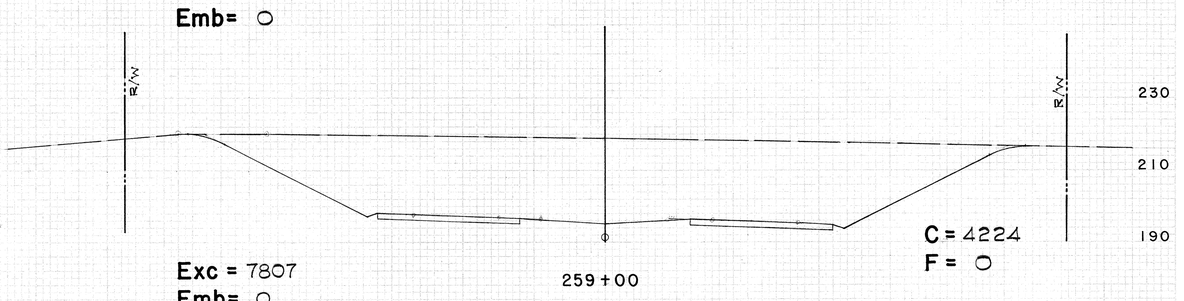


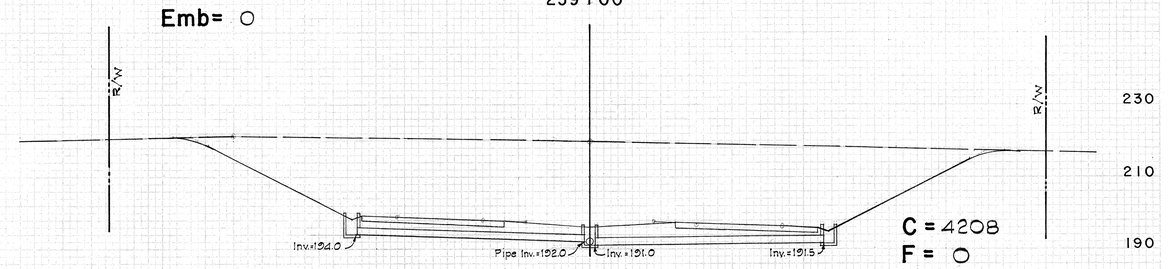


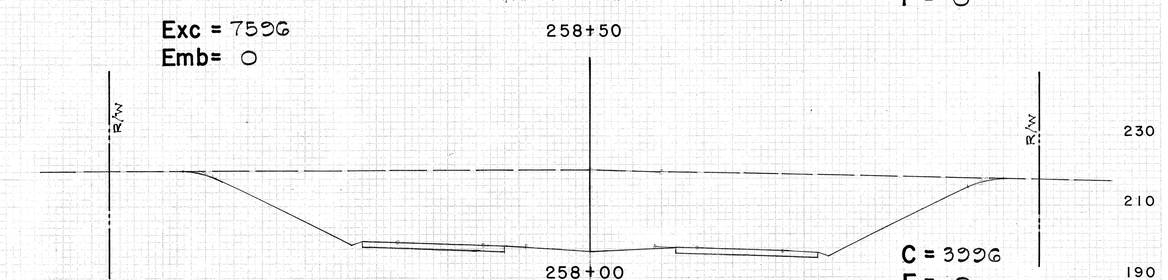












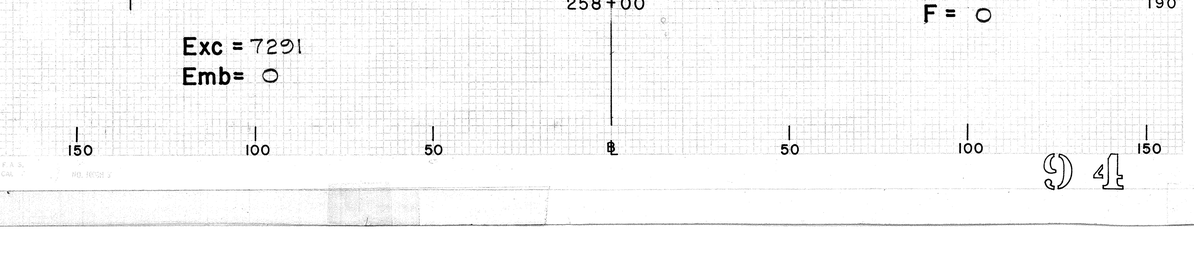
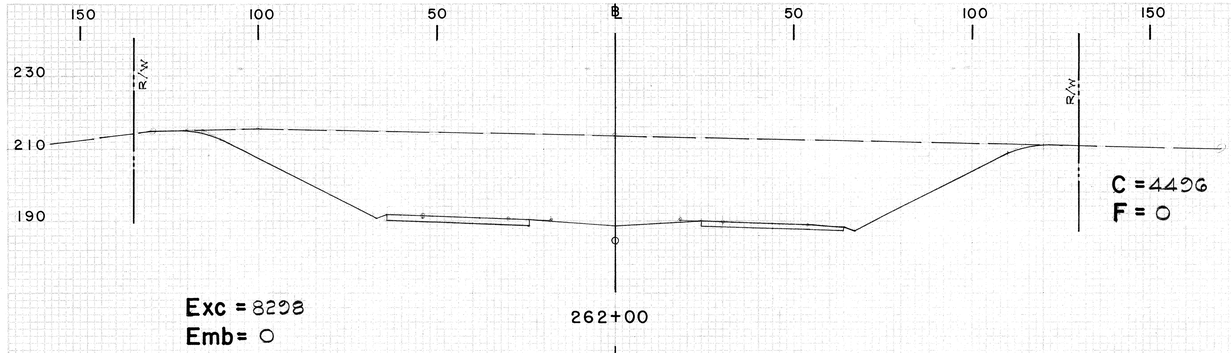
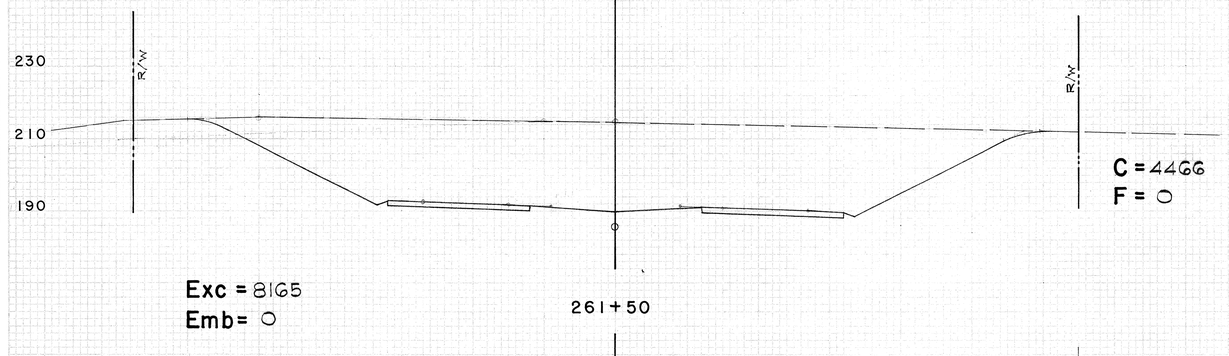
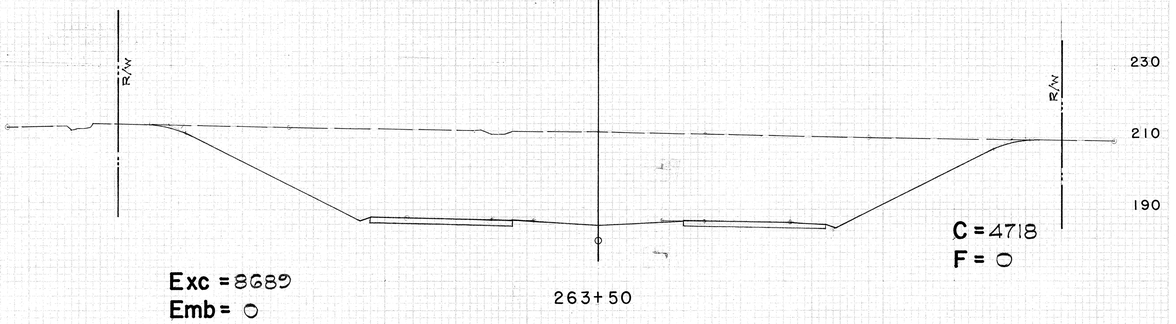


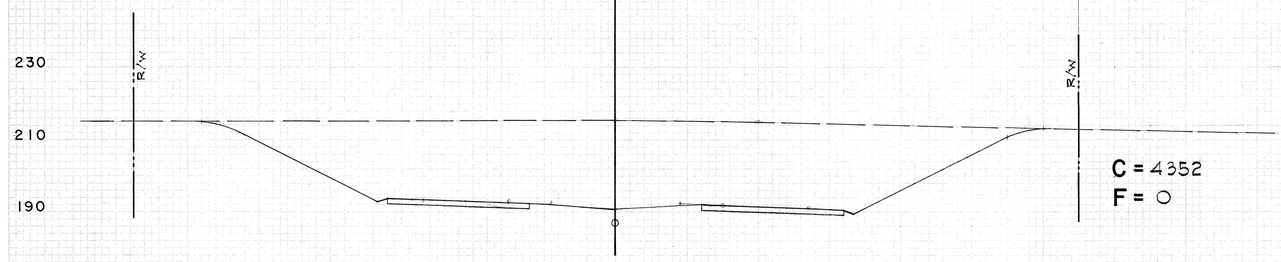
PLATE 2-CROSS SECTION, F.A.S.
CLEMENT ASPH CO. S.F. CAL.

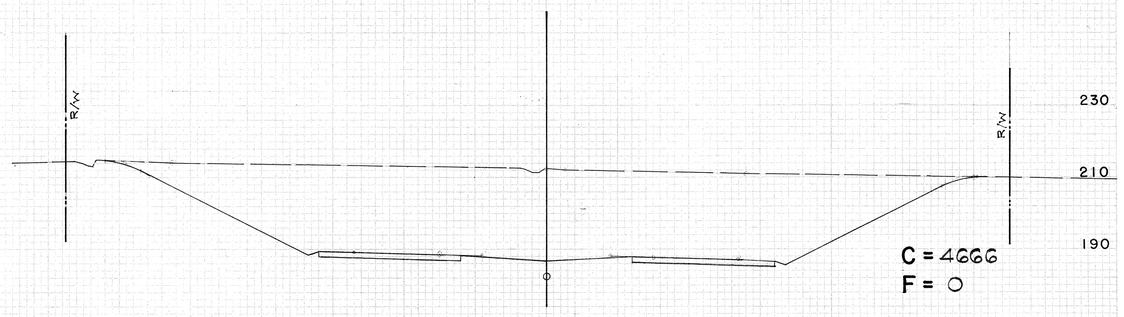
FED ROAD DIST NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	35	124

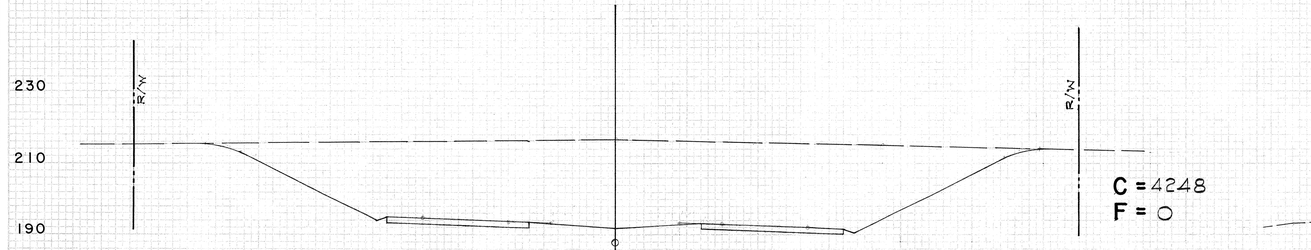




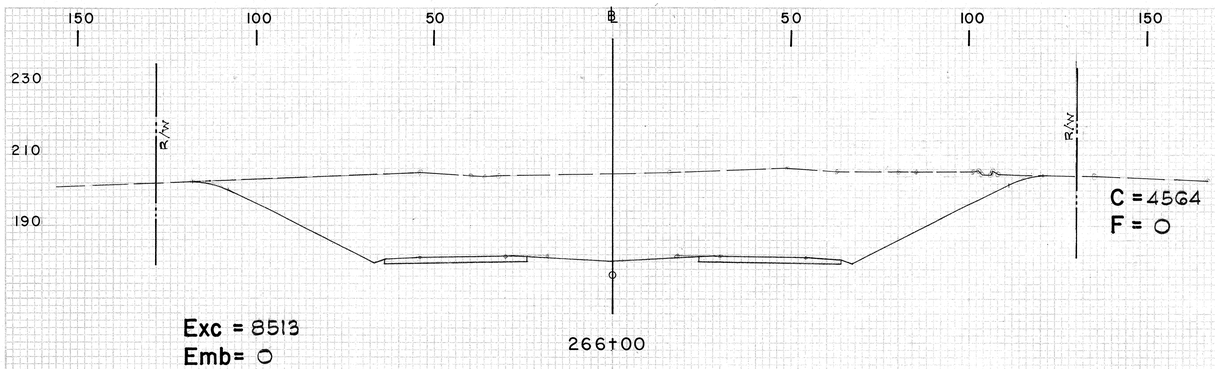








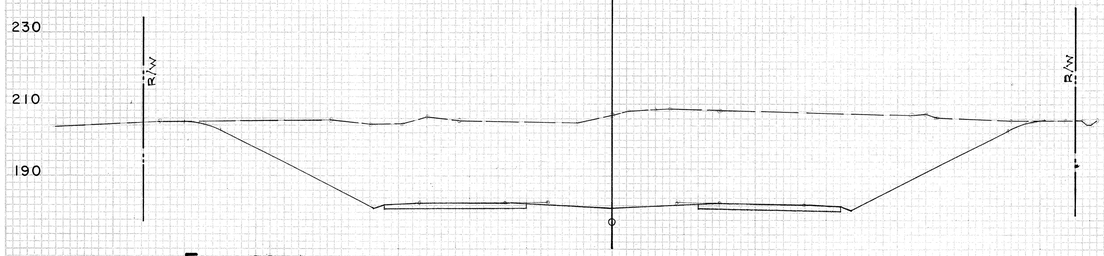
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1963	96	124



C = 4564
F = 0

Exc = 8513
Emb = 0

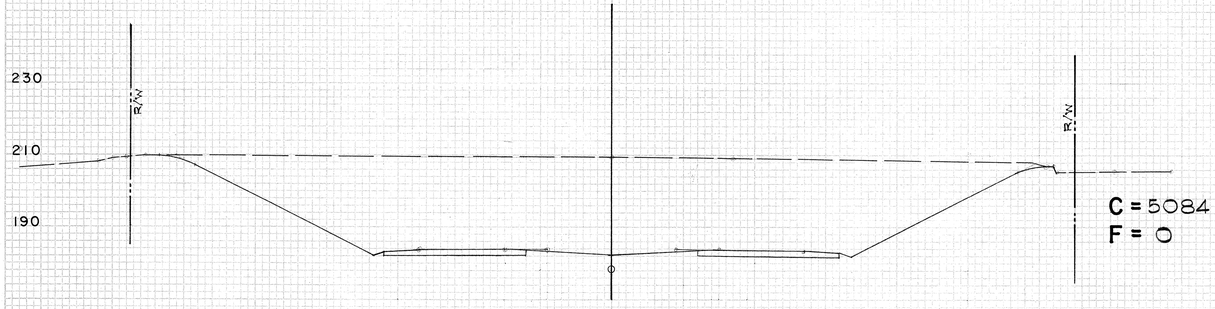
266+00



C = 4630
F = 0

Exc = 8994
Emb = 0

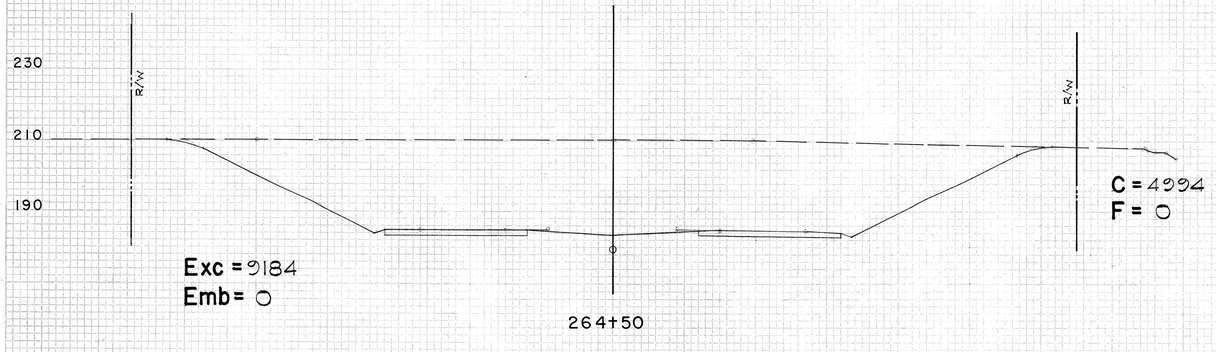
265+50



C = 5084
F = 0

Exc = 9331
Emb = 0

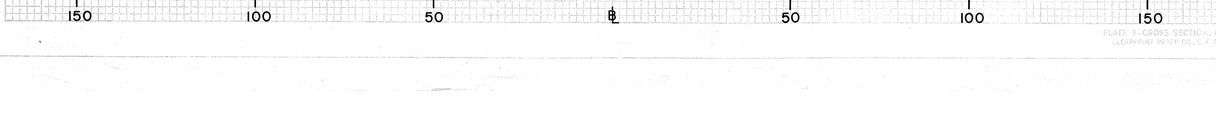
265+00

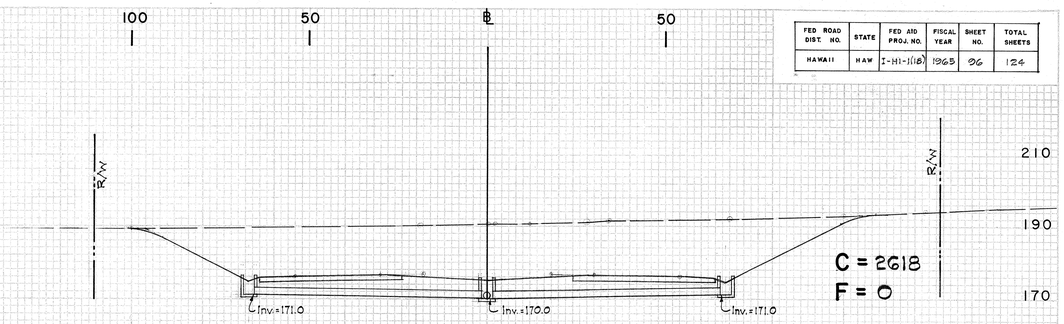


C = 4994
F = 0

Exc = 9184
Emb = 0

264+50

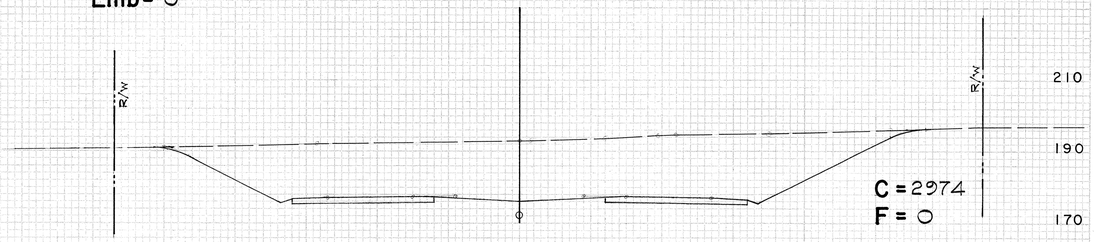




C = 2618
F = 0

Exc = 5178
Emb = 0

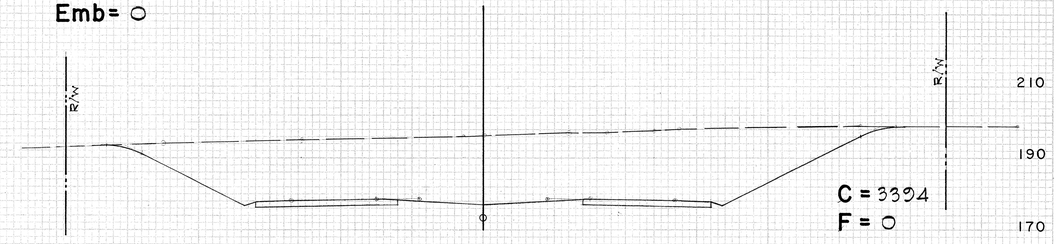
268+50



C = 2974
F = 0

Exc = 5896
Emb = 0

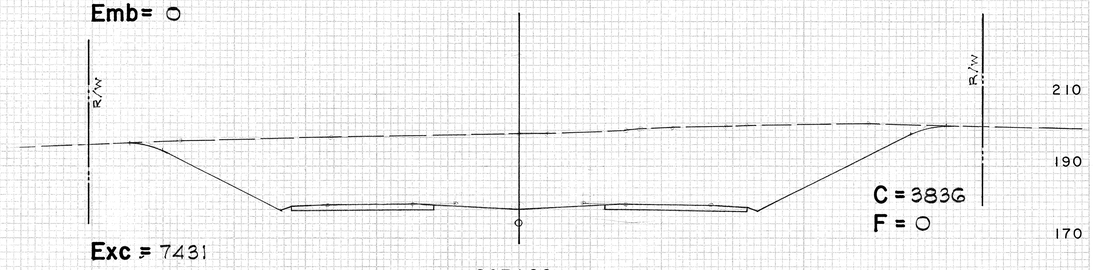
268+00



C = 3394
F = 0

Exc = 6694
Emb = 0

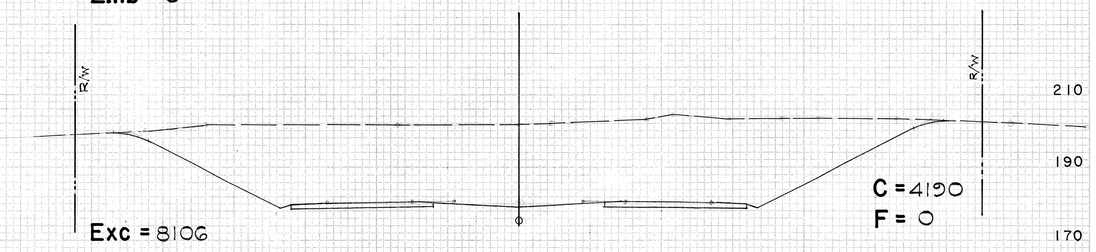
267+50



C = 3836
F = 0

Exc = 7431
Emb = 0

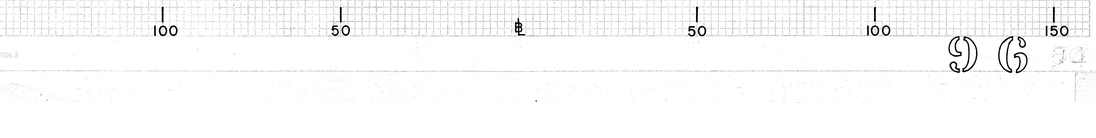
267+00



C = 4190
F = 0

Exc = 8106
Emb = 0

266+50



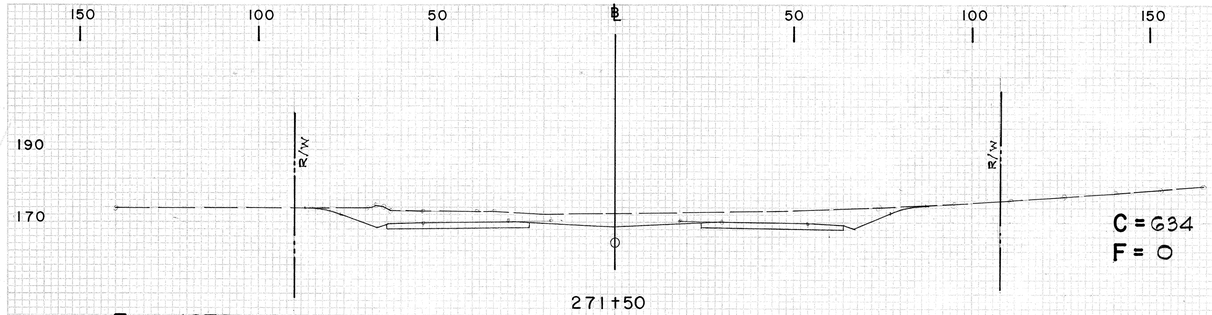
ORIGINAL SURVEY — SURVEYED, PLOTTED, TEMPLATE, AREAS CHECKED, NOTE BOOK, NO., BY, DATE

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

PLATE 3-CROSS SECTIONS, F.A.S.
BLUEPRINT PAPER CO., L. F. DAL. NO. 10004-3

9 6 96

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	97	124



C = 634
F = 0

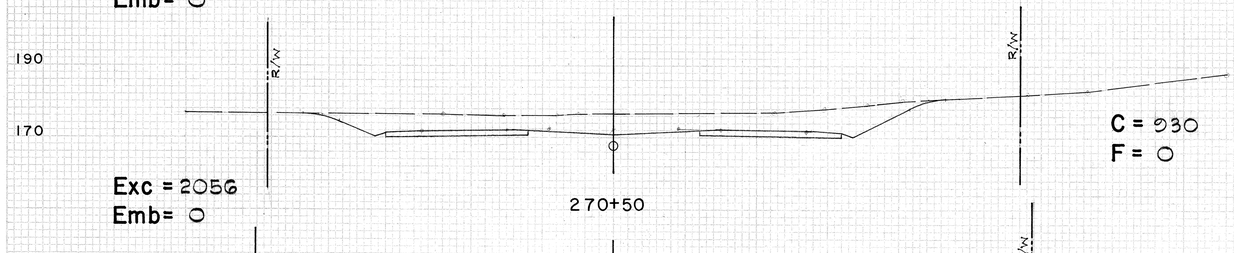
Exc = 1270
Emb = 0

271+50

C = 738
F = 0

Exc = 1544
Emb = 0

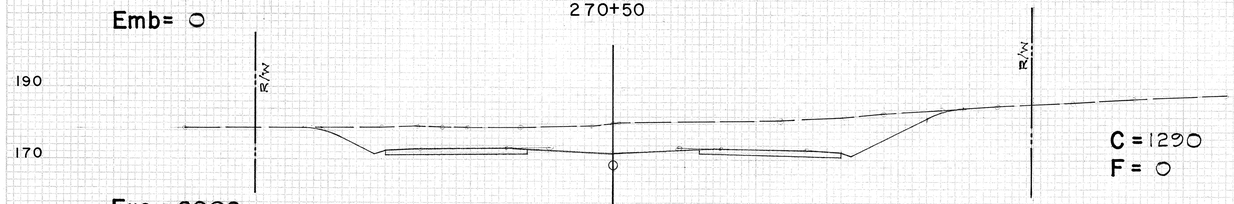
271+00



C = 930
F = 0

Exc = 2056
Emb = 0

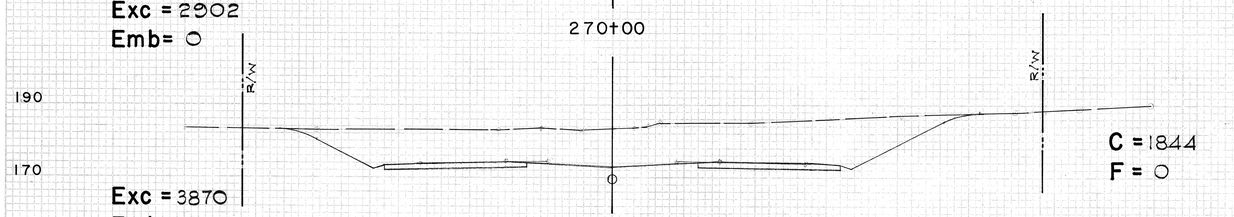
270+50



C = 1290
F = 0

Exc = 2902
Emb = 0

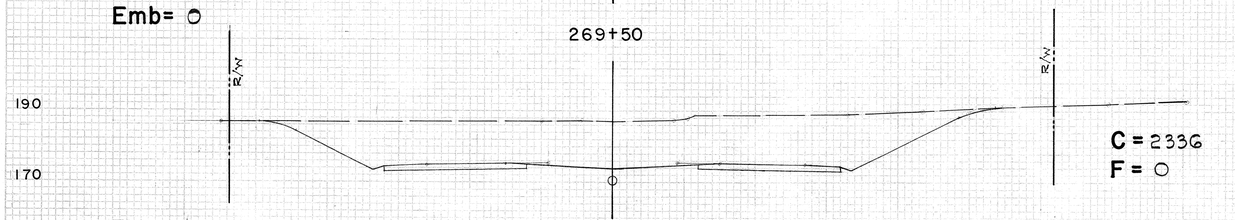
270+00



C = 1844
F = 0

Exc = 3870
Emb = 0

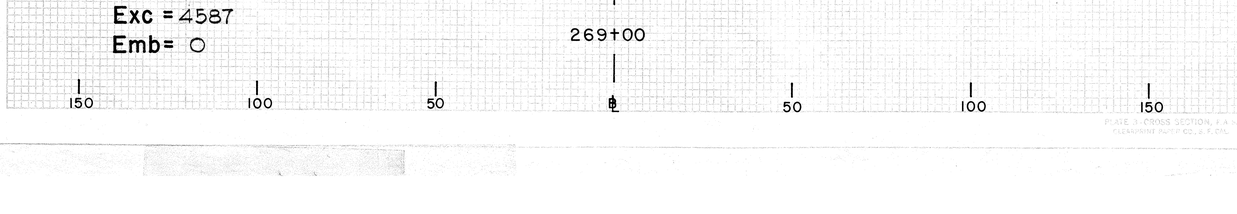
269+50

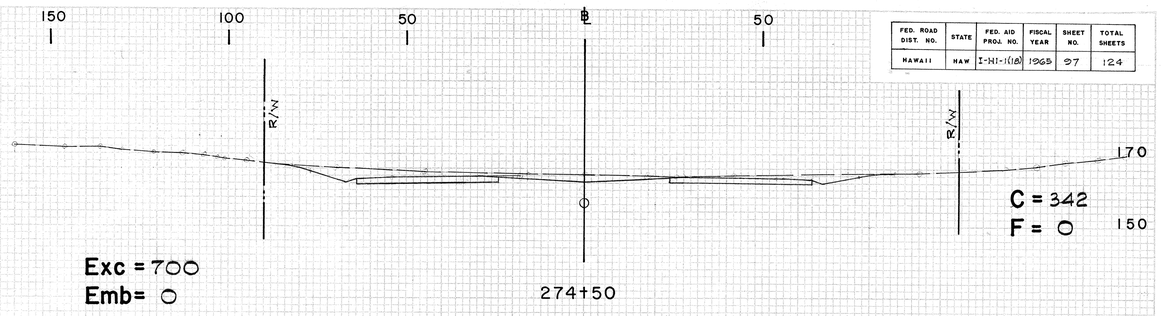


C = 2336
F = 0

Exc = 4587
Emb = 0

269+00

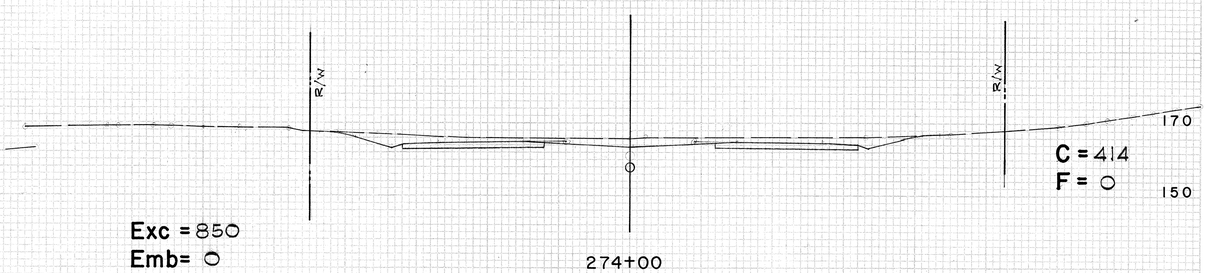




C = 342
F = 0

Exc = 700
Emb = 0

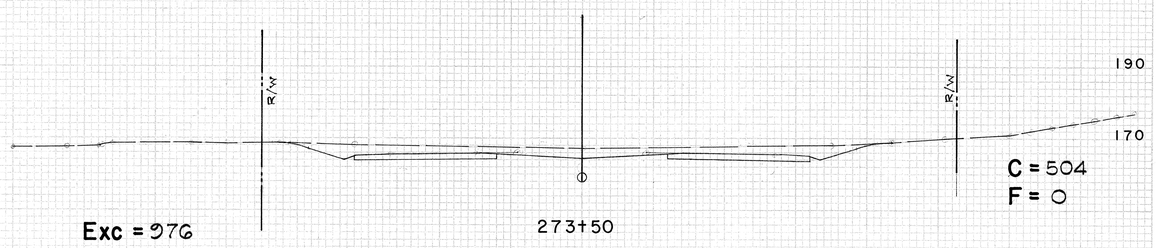
274+50



C = 414
F = 0

Exc = 850
Emb = 0

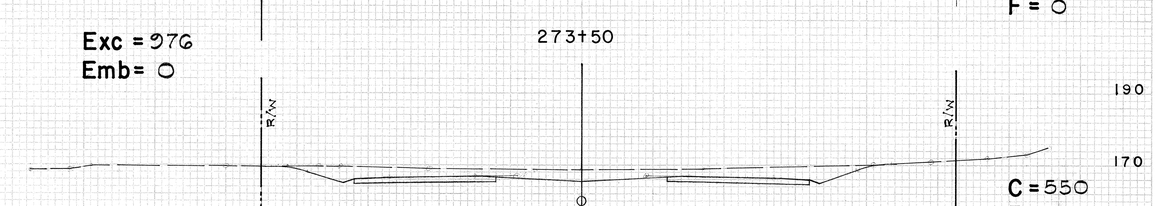
274+00



C = 504
F = 0

Exc = 976
Emb = 0

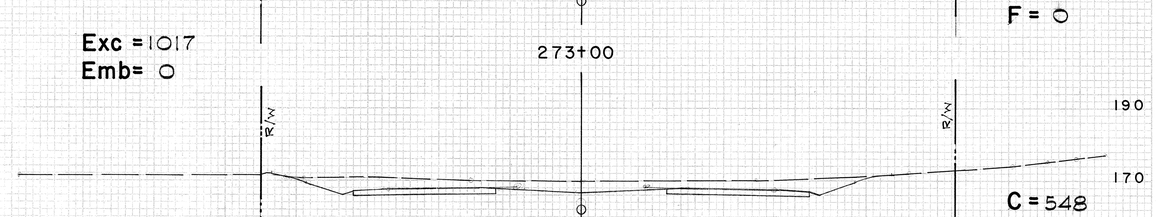
273+50



C = 550
F = 0

Exc = 1017
Emb = 0

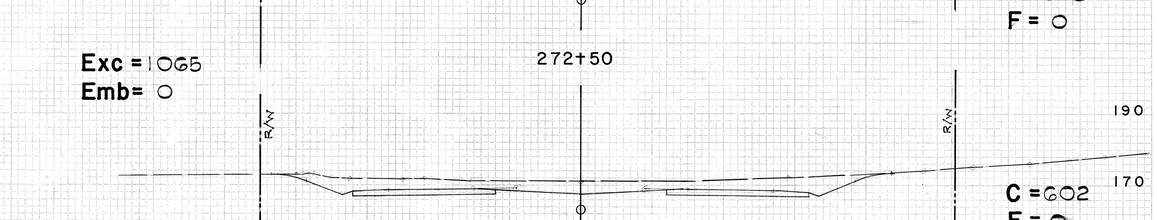
273+00



C = 548
F = 0

Exc = 1065
Emb = 0

272+50



C = 602
F = 0

Exc = 1144
Emb = 0

272+00

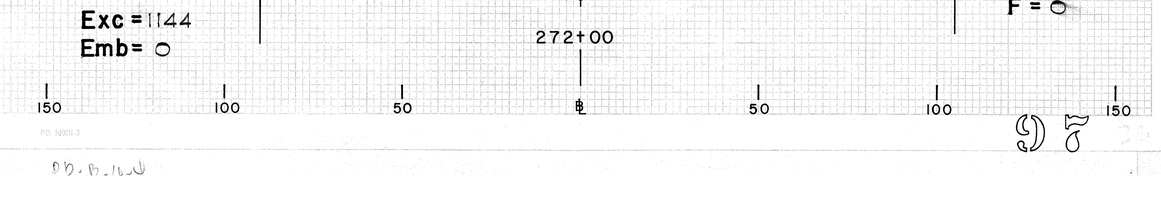


PLATE 3 - CROSS SECTION, F.A.P. CLEARWATER RAMP CO., S.F.DIV.

NO. 18901-3

97

FED ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1969	98	124

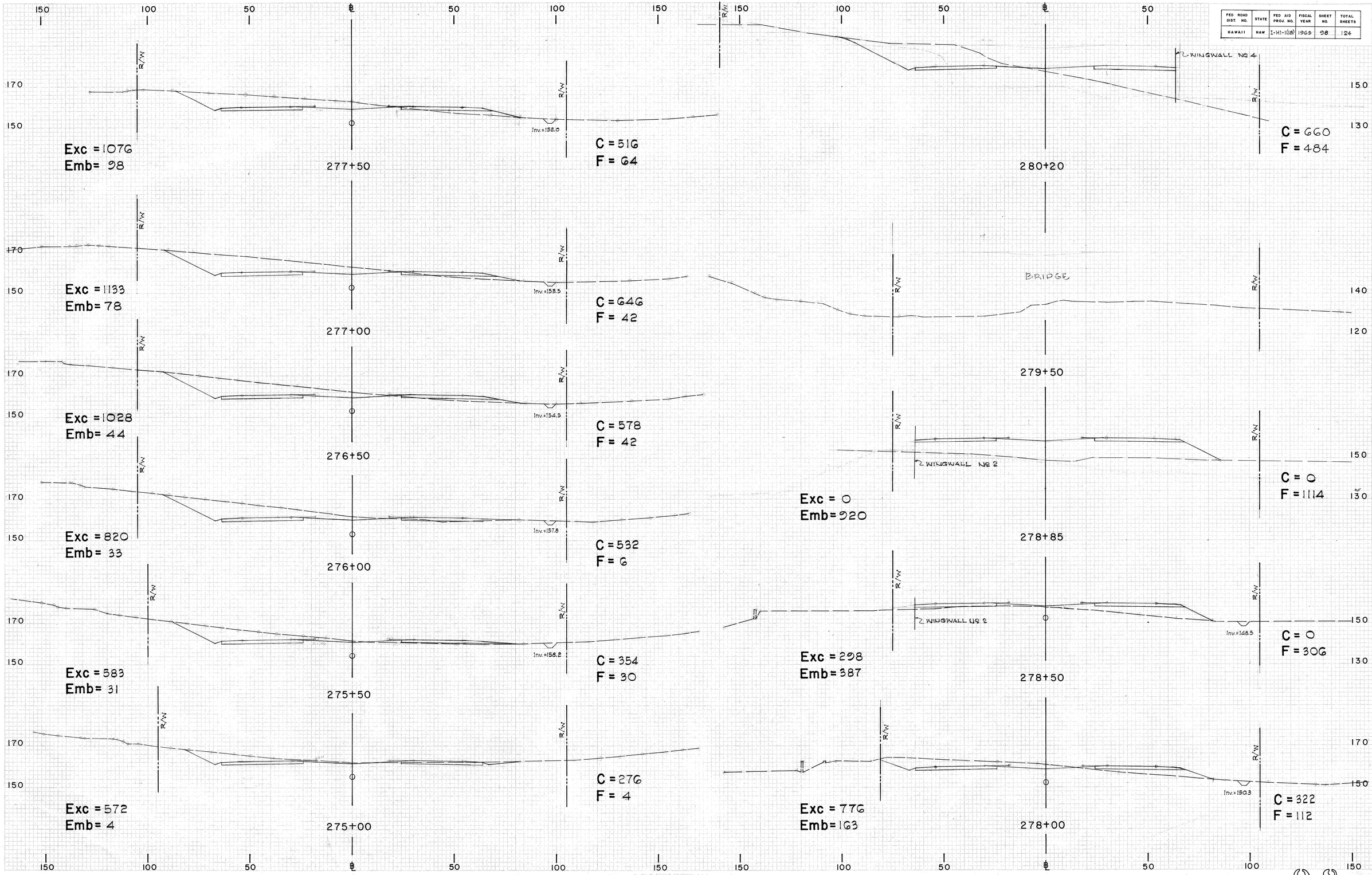
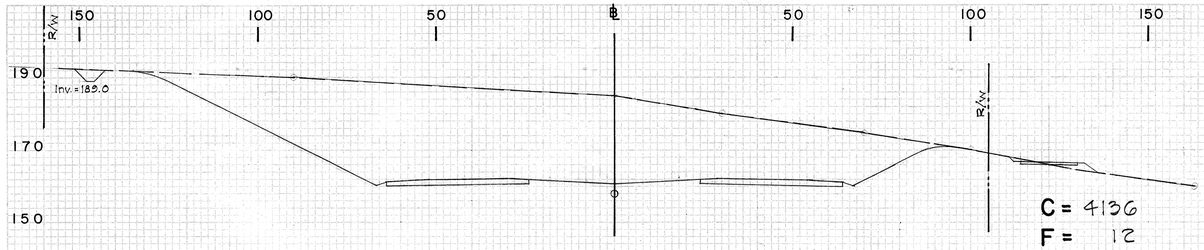


PLATE 3-CROSS SECTION, FLAT
CLEARPRINT PAPER CO., S. F. CAL.

98

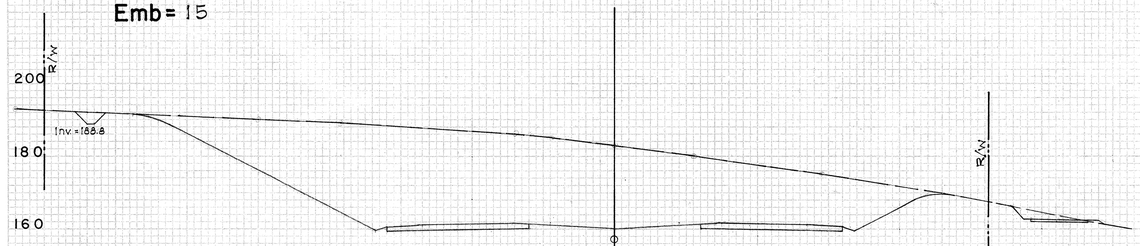
FED ROAD DIST NO.	STATE	FED AID PROJ NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	99	124



Exc = 7631
Emb= 15

282+50

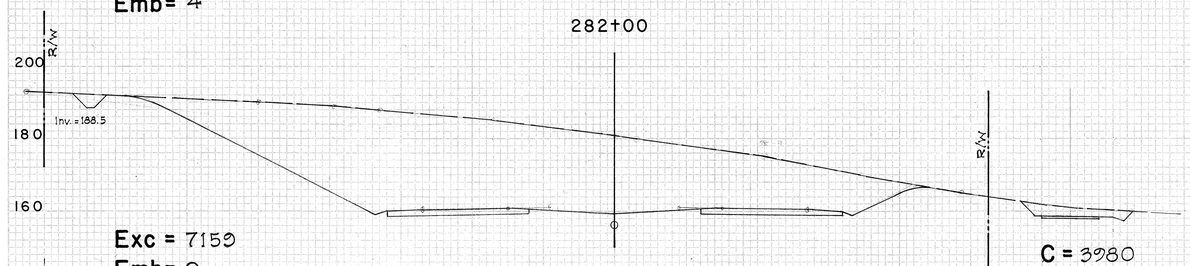
C = 4136
F = 12



Exc = 7487
Emb= 4

282+00

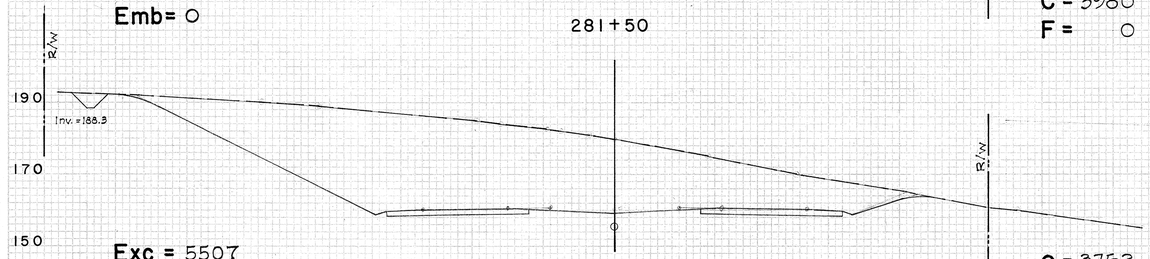
C = 4106
F = 4



Exc = 7159
Emb= 0

281+50

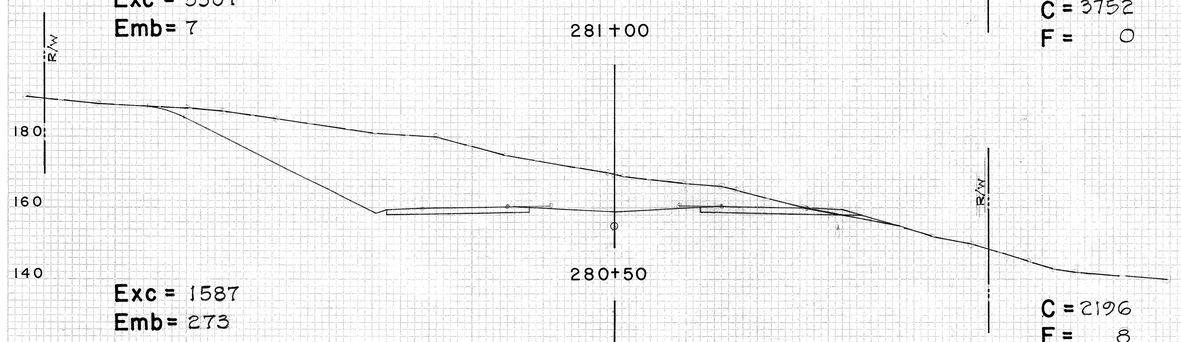
C = 3980
F = 0



Exc = 5507
Emb= 7

281+00

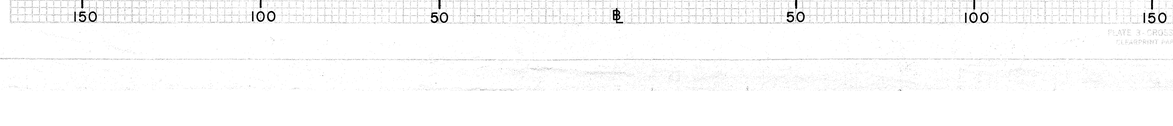
C = 3752
F = 0

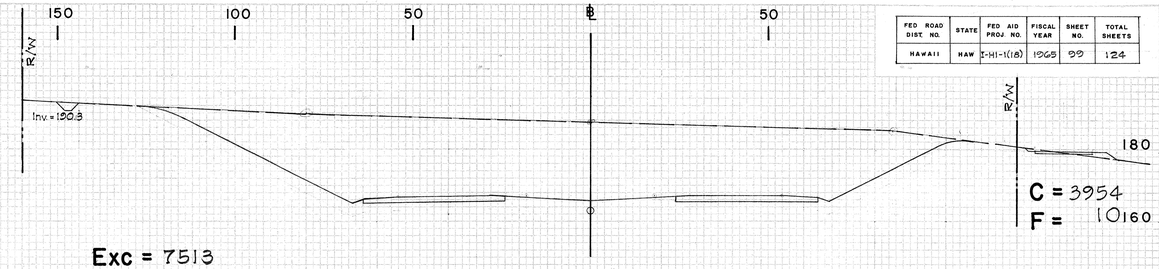


Exc = 1587
Emb= 273

280+50

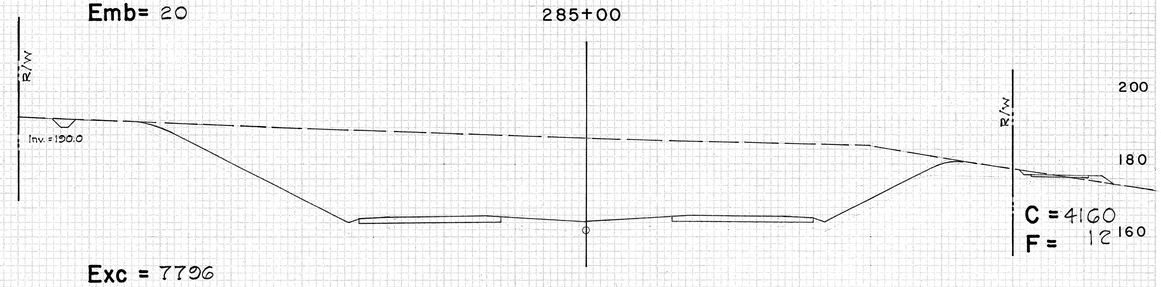
C = 2196
F = 8





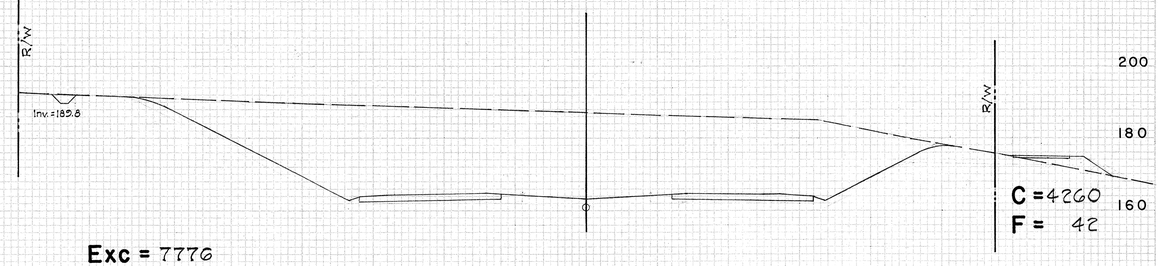
Exc = 7513
Emb= 20

285+00



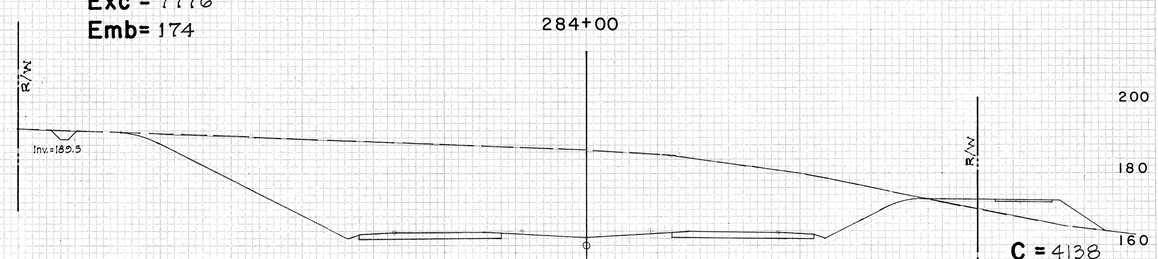
Exc = 7796
Emb= 50

284+50



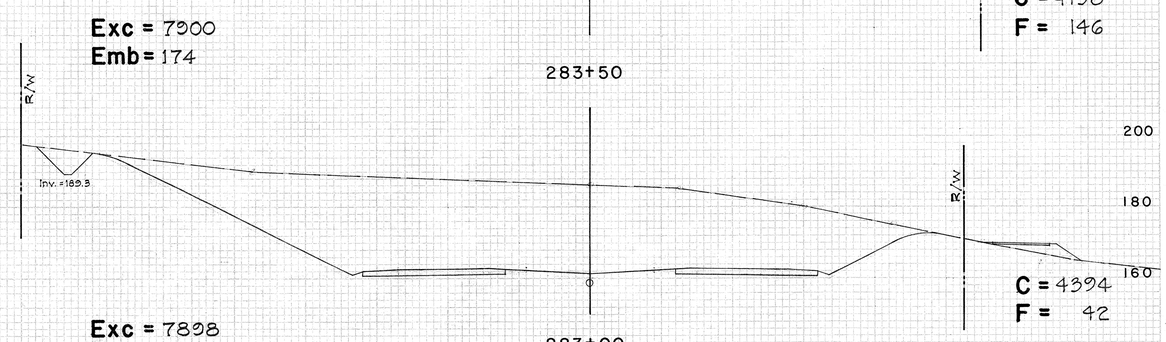
Exc = 7776
Emb= 174

284+00



Exc = 7900
Emb= 174

283+50



Exc = 7898
Emb= 50

283+00

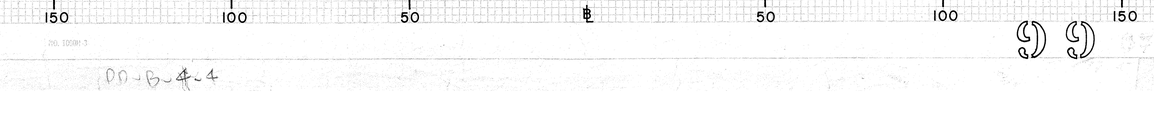


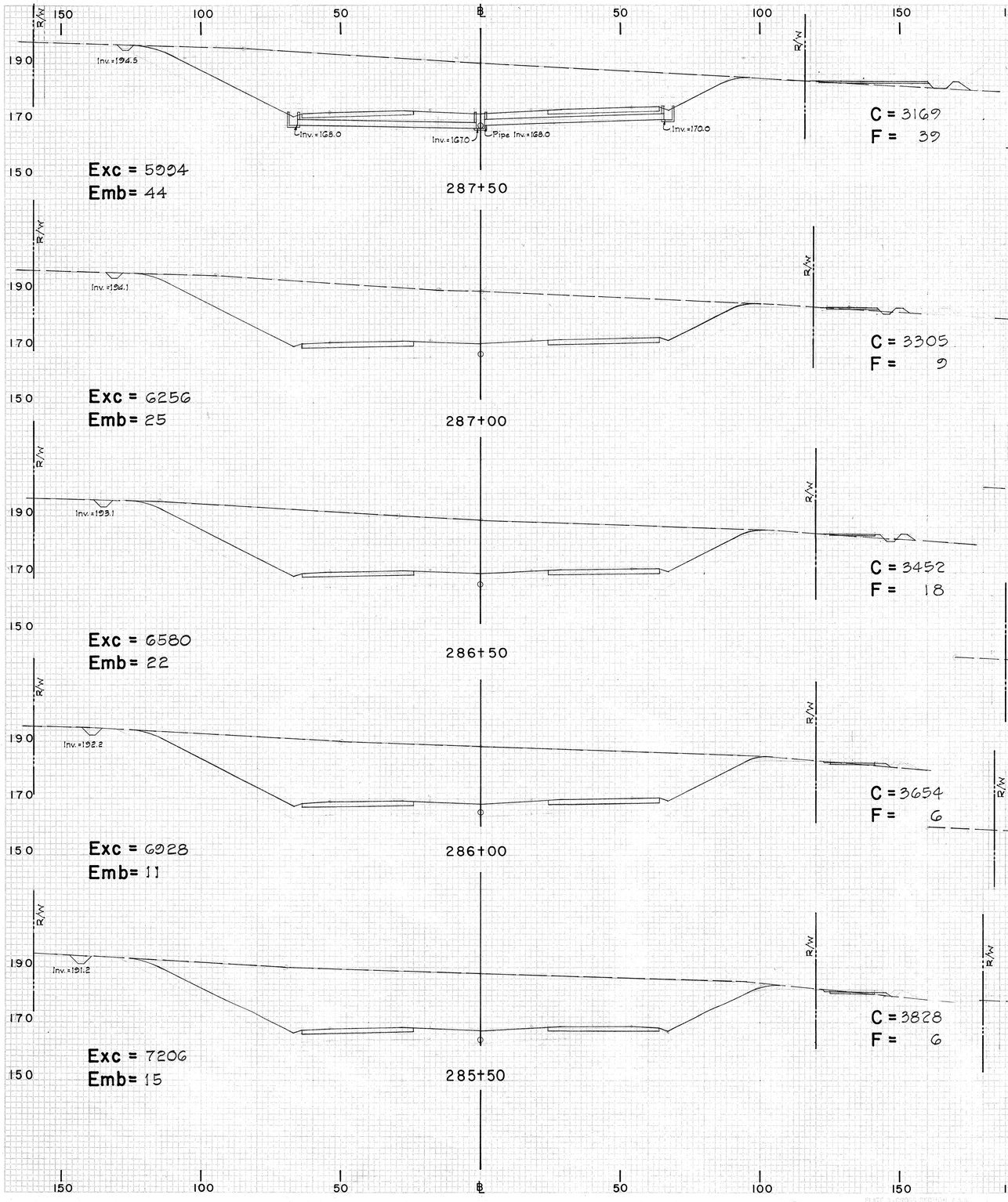
PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL.

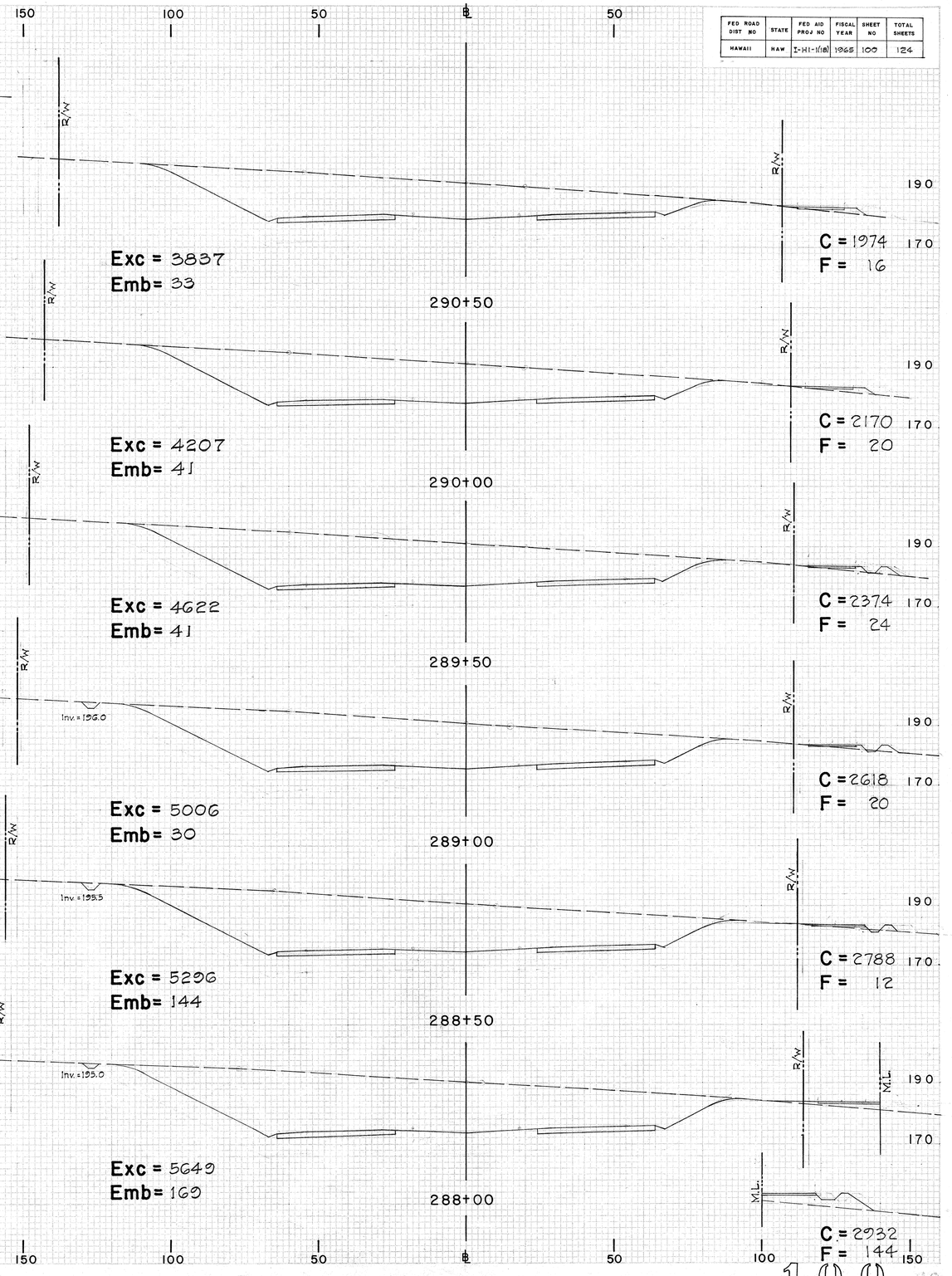
DD-B-4-4

FED ROAD DIST NO	STATE	FED AID PROJ NO	FISCAL YEAR	SHEET NO	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	100	124

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

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





FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(18)	1965	101	124

150 100 50 ℄ 50 100 150

210 / 190 / 170

R/W

Exc = 2217
Emb = 104

293+00

C = 1102
F = 76

Exc = 2572
Emb = 46

292+50

C = 1292
F = 36

Exc = 2908
Emb = 29

292+00

C = 1486
F = 14

Exc = 3211
Emb = 31

291+50

C = 1655
F = 17

Exc = 3506
Emb = 30

291+00

C = 1813
F = 16

Exc = 259
Emb = 1081

296+00

C = 100
F = 654

Exc = 448
Emb = 839

295+50

C = 180
F = 514

Exc = 719
Emb = 622

295+00

C = 304
F = 392

Exc = 1052
Emb = 443

294+50

C = 472
F = 280

Exc = 1437
Emb = 313

294+00

C = 664
F = 198

Exc = 1843
Emb = 200

293+50

C = 888
F = 140

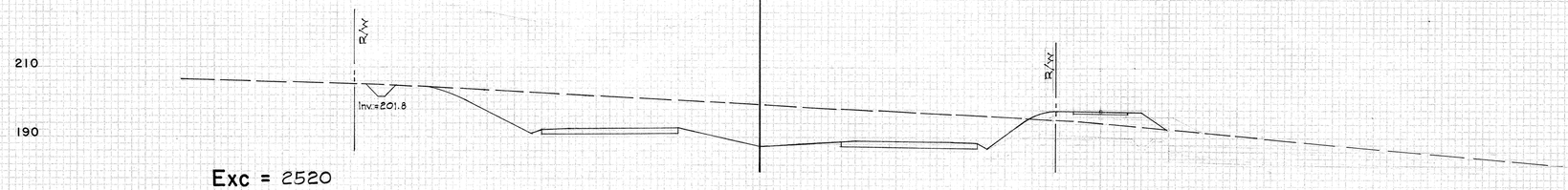
150 100 50 ℄ 50 100 150

PLATE 3 - CROSS SECTIONS, F.A.S.
CLEARPRINT PAPER CO., S. F., CAL. NO. 1000K-3

101

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	102	124

150 100 50 ℄ 50 100 150



Exc = 2520
Emb= 224

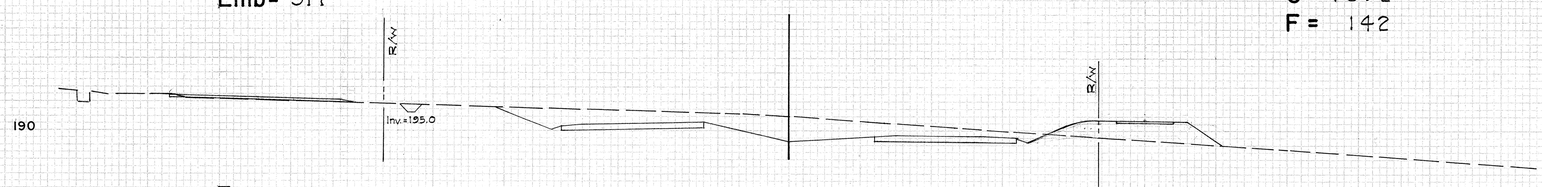
299+00

C = 1630
F = 100

Exc = 1673
Emb= 317

298+50

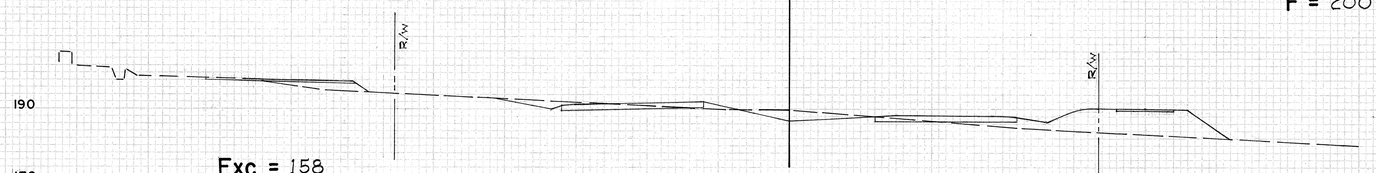
C = 1092
F = 142



Exc = 805
Emb= 499

298+00

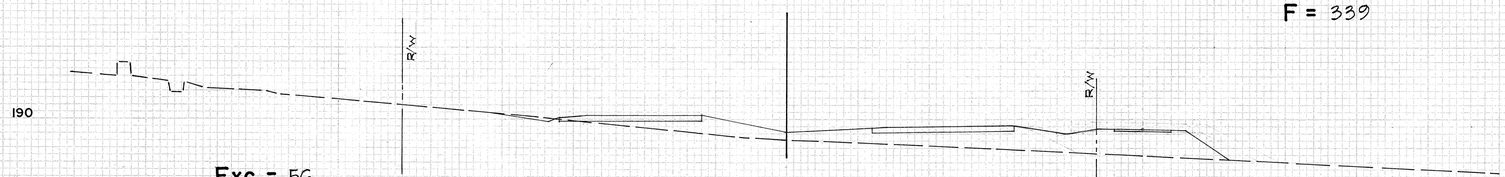
C = 715
F = 200



Exc = 158
Emb= 1012

297+50

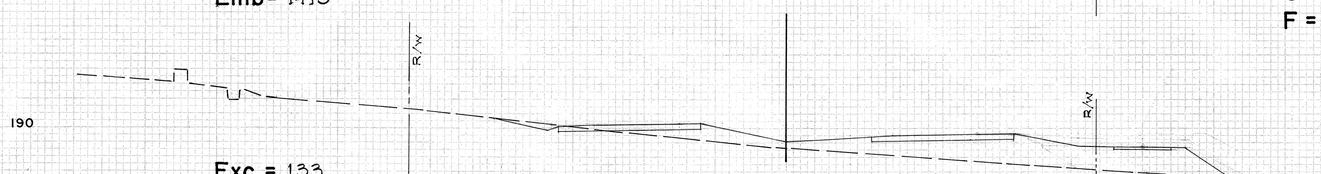
C = 154
F = 339



Exc = 56
Emb= 1413

297+00

C = 17
F = 754



Exc = 133
Emb= 1320

296+50

C = 44
F = 772

150 100 50 ℄ 50 100 150

PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

102

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(18)	1965	103	124

150 100 50 ℄ 50 100 150 200 250 300 350

210 / 190

R/W — Inv.=208.3 — R/W

Exc = 4763
Emb= 16

302+00

C = 2615
F = 6

R/W — Inv.=208.0 — R/W

Exc = 4553
Emb= 38

301+50

C = 2529
F = 11

R/W — Inv.=208.8 — R/W

Exc = 4367
Emb= 94

301+00

C = 2388
F = 30

R/W — Inv.=205.5 — R/W

Exc = 4129
Emb= 207

300+50

C = 2328
F = 72

R/W — Inv.=204.8 — R/W

Exc = 3752
Emb= 228

300+00

C = 2131
F = 152

R/W — Inv.=203.0 — R/W

Exc = 3288
Emb= 180

299+50

C = 1921
F = 94

150 100 50 ℄ 50 100 150 200 250 300 350 400

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(16)	1965	104	124

200 150 100 50 ℄ 50 100 150 200 250 300 350

230 / 210 / 190

R/W — Inv.=211.0

Exc = 5809
Emb= 0

305+00

C = 3360
F = 0

R/W — Inv.=209.5

Exc = 5170
Emb= 0

304+50

C = 2914
F = 0

R/W — Inv.=209.3

Exc = 5013
Emb= 0

304+00

C = 2670
F = 0

R/W — Inv.=209.0

Exc = 5032
Emb= 0

303+50

C = 2744
F = 0

R/W — Inv.=208.8

Exc = 4947
Emb= 0

303+00

C = 2691
F = 0

R/W — Inv.=208.5

Exc = 4877
Emb= 6

302+50

C = 2652
F = 0

200 150 100 50 ℄ 50 100 150 200 250 300 350

PLANT & CROSS SECTION, E.P.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-HI-1(18)	1965	105	124

150 100 50 ℄ 50 100 150 200 250 300 350

220 / 200

R/W

308+00

Exc = 8194
Emb = 0

C = 4370
F = 0

220 / 200

R/W

307+50

Exc = 8411
Emb = 0

C = 4479
F = 0

220 / 200

R/W

Inv.=217.0

307+00

Exc = 8405
Emb = 0

C = 4605
F = 0

220 / 200

R/W

Inv.=215.5

306+50

Exc = 7920
Emb = 0

C = 4472
F = 0

210 / 190

R/W

Inv.=214.0

306+00

Exc = 7161
Emb = 0

C = 4082
F = 0

210 / 190

R/W

Inv.=212.5

305+50

Exc = 6493
Emb = 0

C = 3652
F = 0

210 / 190

150 100 50 ℄ 50 100 150 200 250 300 350 400

PLATE 3 - CROSS SECTIONS F.A. PROJECT NO. S-HI-1(18)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(18)	1965	106	124

150 100 50 ℄ 50 100 150 200 250 300 350

200
180

R/W R/W

Inv=187.9 Inv=189.0

311+00

Exc = 665
Emb= 806

C = 92
F = 766

220
200

R/W R/W

310+50

Exc = 2004
Emb= 101

C = 626
F = 104

220
200

R/W R/W

310+00

Exc = 3683
Emb= 5

C = 1538
F = 5

220
200

R/W R/W

309+50

Exc = 5261
Emb= 0

C = 2440
F = 0

220
200

R/W R/W

309+00

Exc = 6512
Emb= 0

C = 3242
F = 0

220
200

R/W R/W

308+50

Exc = 7556
Emb= 0

C = 3791
F = 0

150 100 50 ℄ 50 100 150 200 250 300 350 400

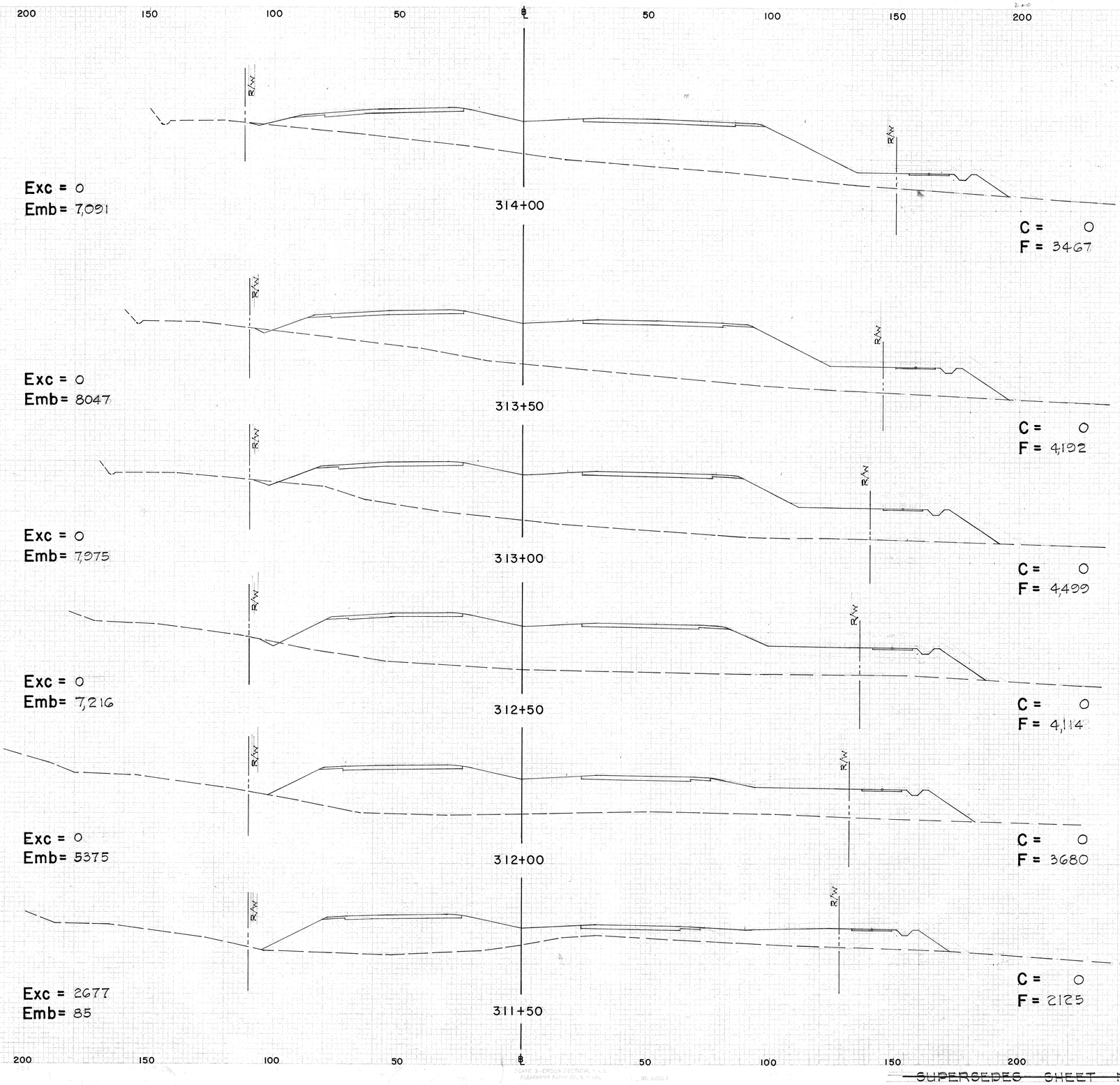
PLATE 3-CROSS SECTIONS
CLEARING RATES ROLL & FLAT

DD-B-4-4

106

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(18)	1965	107A	124

Date: July 2, 1965



THIS SHEET SUPERSEDES SHEET NO. 107

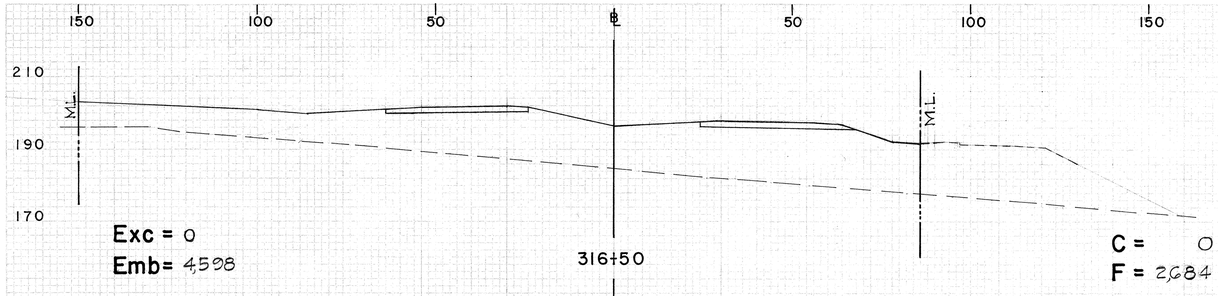
~~SUPERSEDES SHEET No. 107~~

107A

BD-8.04

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	108A	124

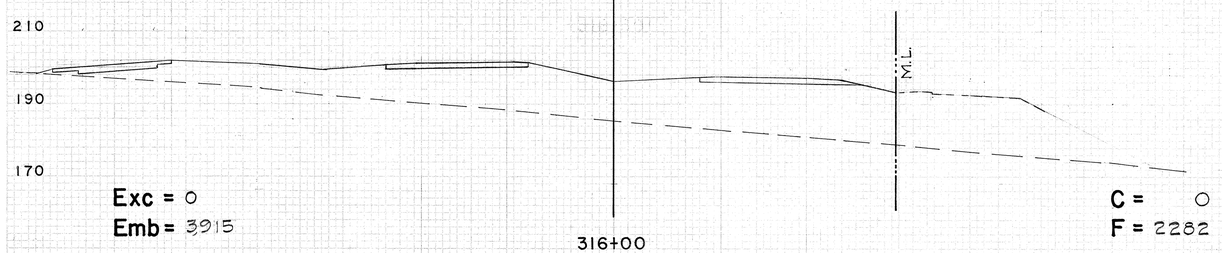
Date: July 2, 1965



Exc = 0
Emb= 4,598

316+50

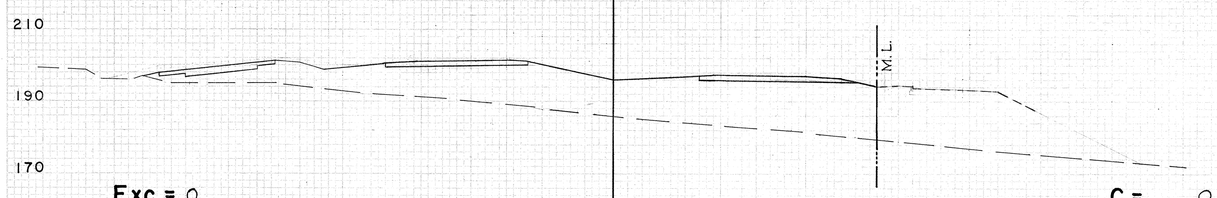
C = 0
F = 2,684



Exc = 0
Emb= 3,915

316+00

C = 0
F = 2282



Exc = 0
Emb= 3,357

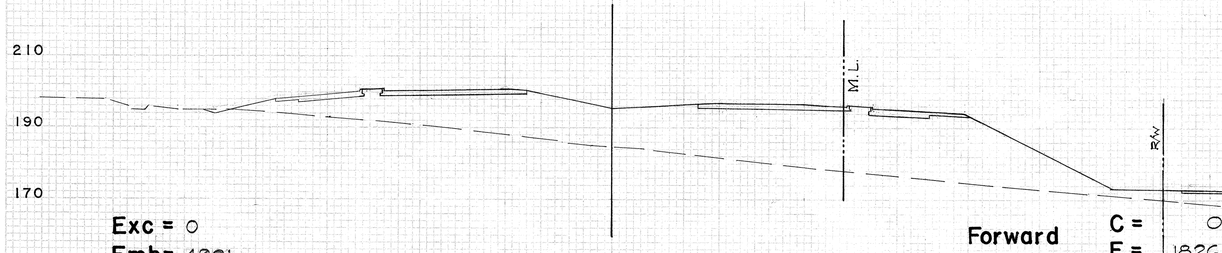
315+50

C = 0
F = 1,946

Exc = 0
Emb= 4,240

315+00

C = 0
F = 1680



Exc = 0
Emb= 4,901

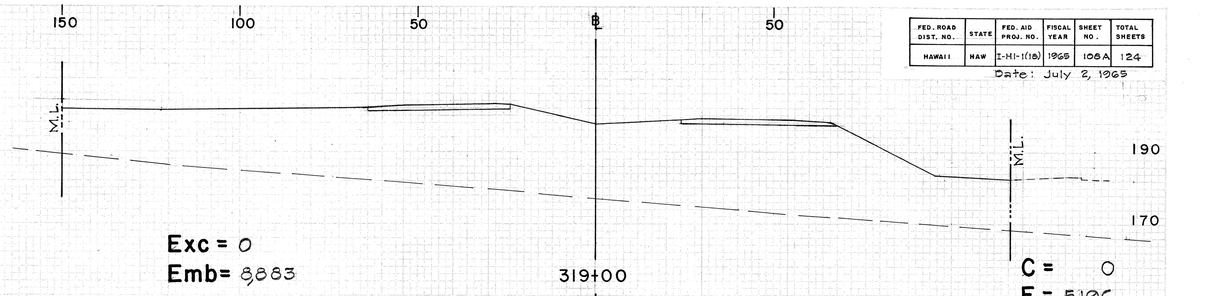
314+50

Forward

C = 0
F = 1826

Back

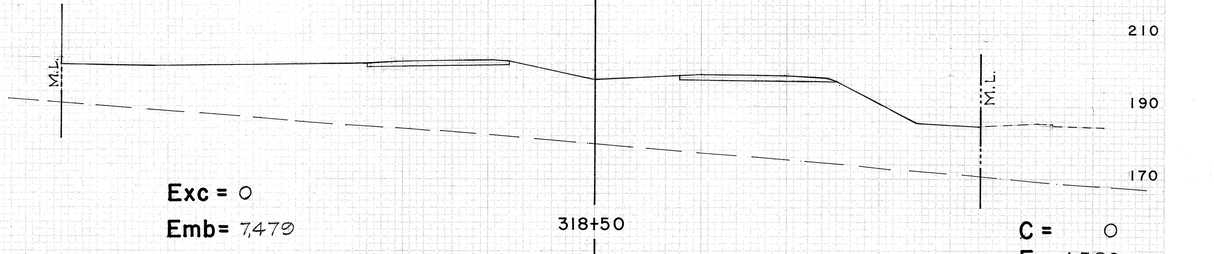
C = 0
F = 2,899



Exc = 0
Emb= 8,883

319+00

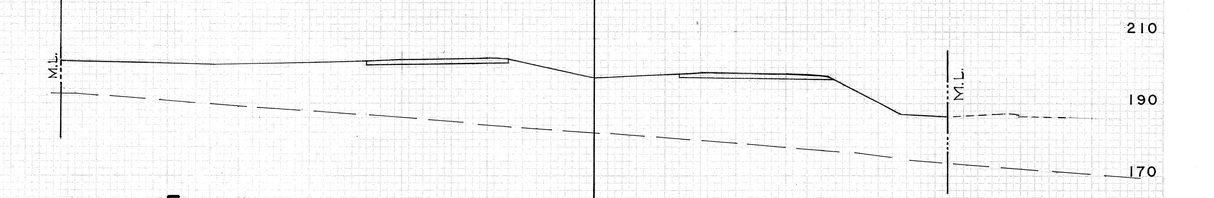
C = 0
F = 5,196



Exc = 0
Emb= 7,479

318+50

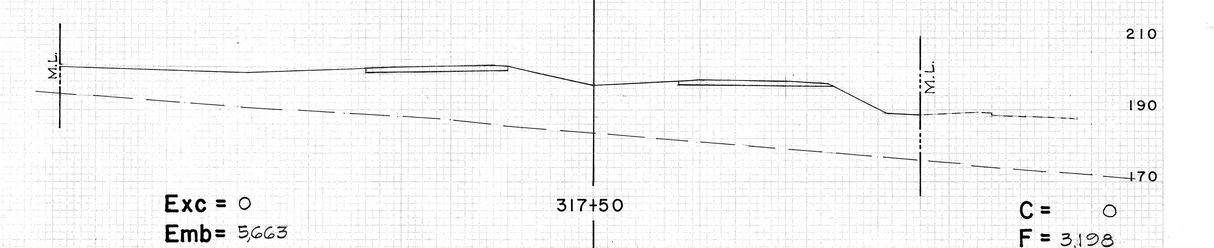
C = 0
F = 4,398



Exc = 0
Emb= 6,368

318+00

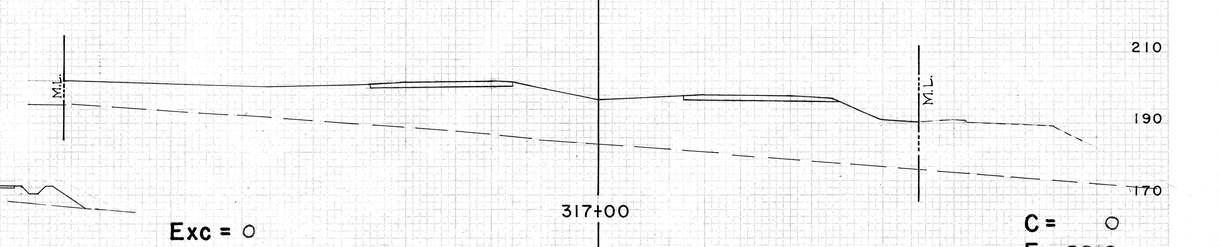
C = 0
F = 3,680



Exc = 0
Emb= 5,663

317+50

C = 0
F = 3,198



Exc = 0
Emb= 5,187

317+00

C = 0
F = 2,918

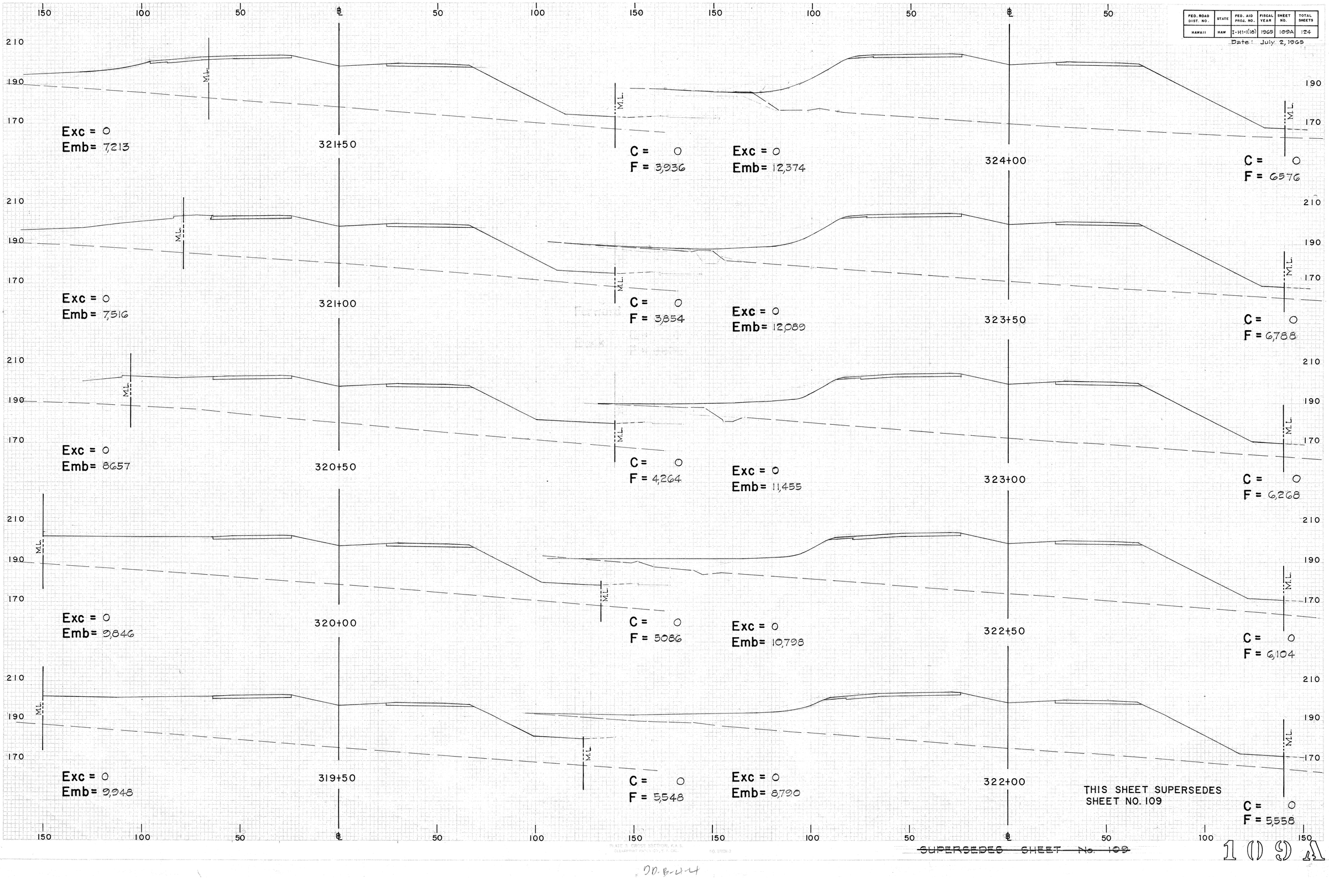
THIS SHEET SUPERSEDES
SHEET NO. 108

~~SUPERSEDES SHEET No. 108~~

10SA

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	109A	124

Date: July 2, 1965



THIS SHEET SUPERSEDES SHEET NO. 109

~~SUPERSEDES SHEET No. 109~~

109A

PLATE 3 CROSS SECTION, H.B.S. CLEARPRINT PAPER CO., S. F. CAL. NO. 1000N-3

DD. 8-2-4

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(18)	1965	110A	124

Date: July 2, 1965

150 100 50 ℄ 50 100 150 150 100 50 ℄ 50

210
190
170

325+00

210
190
170

M.L.

Exc = 0
Emb= 9040

324+50

C = 0
F = 3,188

150 100 50 ℄ 50 100 150 150 100 50 ℄ 50 100 150

THIS SHEET SUPERSEDES
SHEET NO. 110.

~~SUPERSEDES SHEET No. 110~~

110A