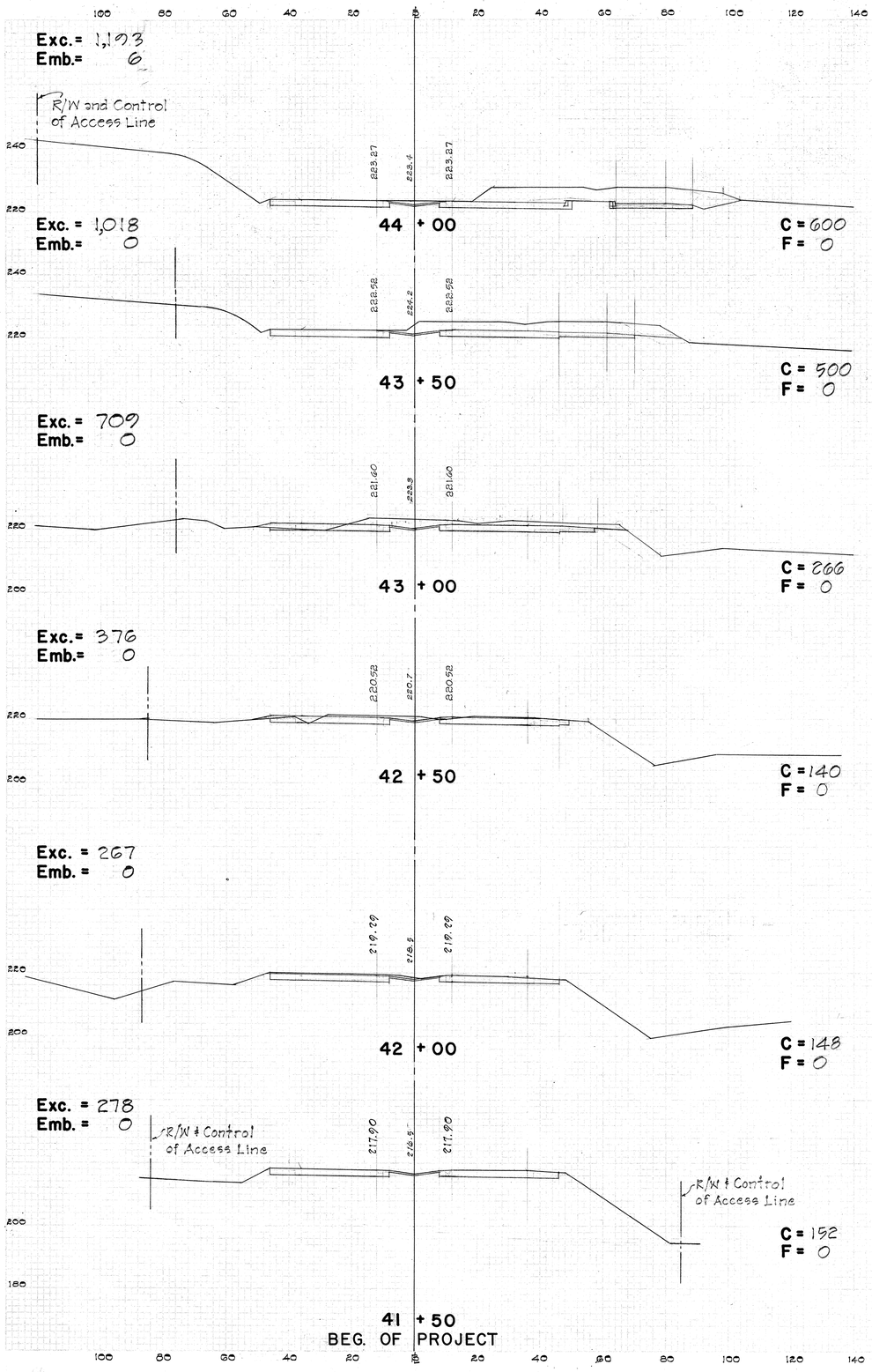
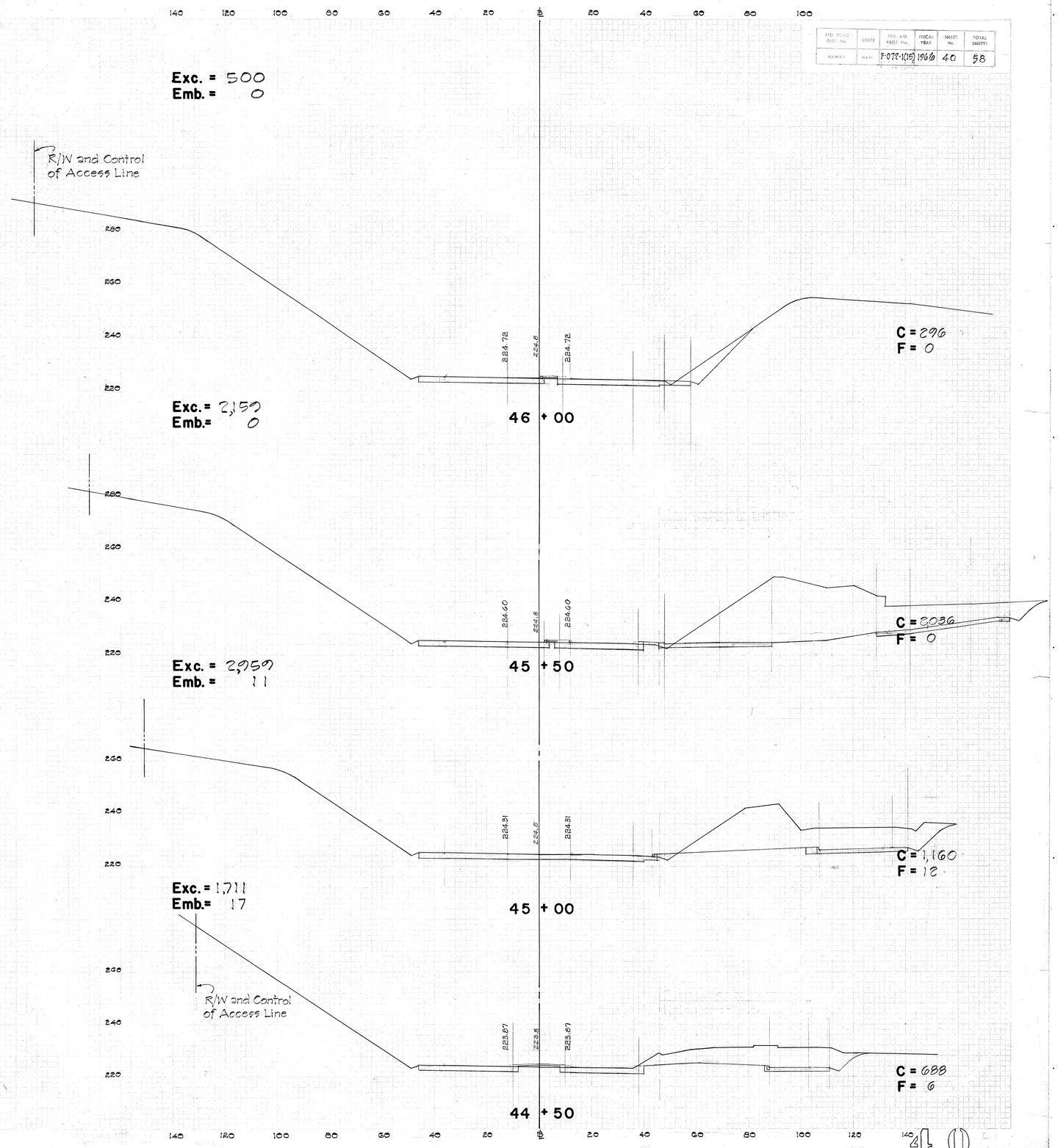
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
ISLAND	HAW.	F-072-1(15)	1966	40	58





FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(18)	1966	41	98

48 + 00

Exc. = 307
Emb. = 0

180' Slope Easement Line

5 R/W and Control of Access Line

5 R/W and Control of Access Line

C = 172
F = 0

223.62 | 223.8 | 223.62

47 + 50

Exc. = 341
Emb. = 0

C = 196
F = 0

224.13 | 224.3 | 224.13

47 + 00

Exc. = 374
Emb. = 0

Slope Easement Line

C = 208
F = 0

224.48 | 224.3 | 224.48

R/W and Control of Access Line

46 + 50

Exc. = 419
Emb. = 0

5 R/W and Control of Access Line

C = 244
F = 0

224.68 | 224.6 | 224.68

50 + 00

Exc. = 203
Emb. = 0

180' Slope Easement Line

Slope Easement Line

R/W and Control of Access Line

5 R/W and Control of Access Line

C = 160
F = 0

220.97 | 220.71 | 220.97

49 + 50

Exc. = 293
Emb. = 0

C = 156
F = 0

221.12 | 221.3 | 221.12

49 + 00

Exc. = 293
Emb. = 0

C = 160
F = 0

222.11 | 222.1 | 222.11

48 + 50

Exc. = 296
Emb. = 0

5 R/W and Control of Access Line

5 R/W and Control of Access Line

C = 160
F = 0

Slope Easement Line

222.95 | 222.7 | 222.95

180' Slope Easement Line

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(15)	1966	42	58

120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140 160

Exc. = 283
Emb. = 48

180' Slope Easement Line

R/W and Control of Access Line

240
220
200

R/W and Control of Access Line

211.85 212.8 211.85

52 + 50

C = 162
F = 0

C = 156
F = 0

Exc. = 294
Emb. = 0

220
200

213.70 213.8 213.70

52 + 00

℄ Slope Easement Line

C = 156
F = 0

Exc. = 231
Emb. = 0

220

215.23 215.3 215.23

51 + 60

C = 156
F = 0

Exc. = 173
Emb. = 0

240
220

216.84 216.8 216.84

51 + 30

C = 156
F = 0

Exc. = 173
Emb. = 0

240
220

217.80 217.8 217.80

51 + 00

℄ Slope Easement Line

C = 156
F = 0

Exc. = 287
Emb. = 0

240
220

218.67 218.8 218.67

R/W and Control of Access Line

R/W and Control of Access Line

180' Slope Easement Line

50 + 50

120 100 80 60 40 20 ℄ 20 40 60 80 100 120 140 160

120 100 80 60 40 20 ℄ 20 40 60 80

180' Slope Easement Line

200.06 200.06

200
180

R/W and Control of Access Line

182.6

R/W and Control of Access Line

C = 0
F = 2,892

55 + 00

Slope Easement Line

Exc. = 0
Emb. = 3,404

202.56 198.4 202.56

200
180

C = 0
F = 784

54 + 50

Exc. = 96
Emb. = 248

205.04 205.0 205.04

200
180

C = 104
F = 240

54 + 00

Exc. = 222
Emb. = 244

220
200
180

207.48 207.4 207.48

C = 136
F = 84

53 + 50

R/W and Control of Access Line

Exc. = 259
Emb. = 70

240
220
200
180

R/W and Control of Access Line

200.74 200.7 200.74

C = 144
F = 52

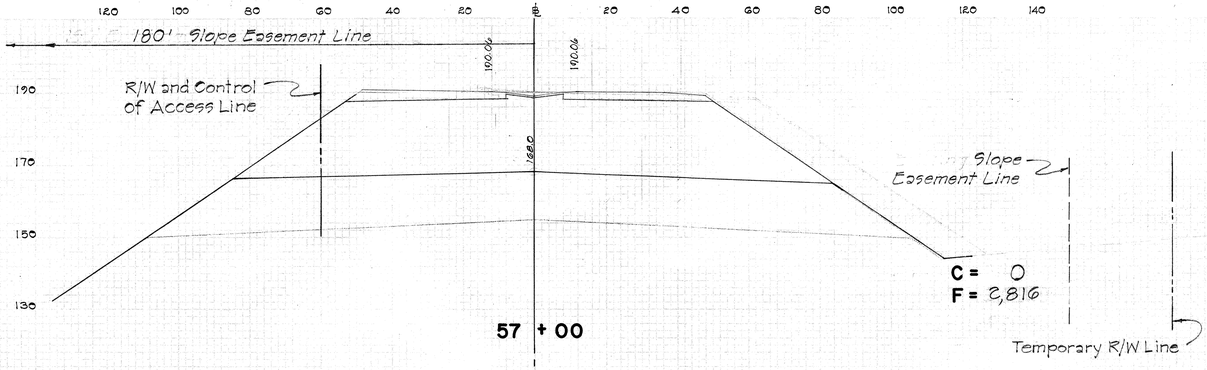
180' Slope Easement Line

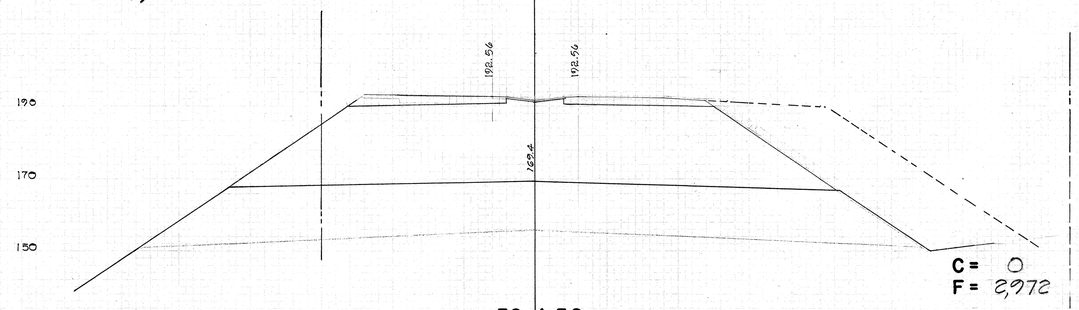
53 + 00

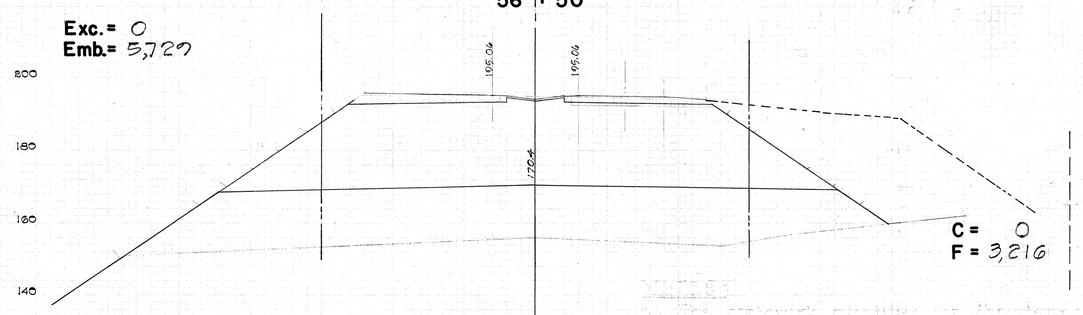
120 100 80 60 40 20 ℄ 20 40 60 80 100 120

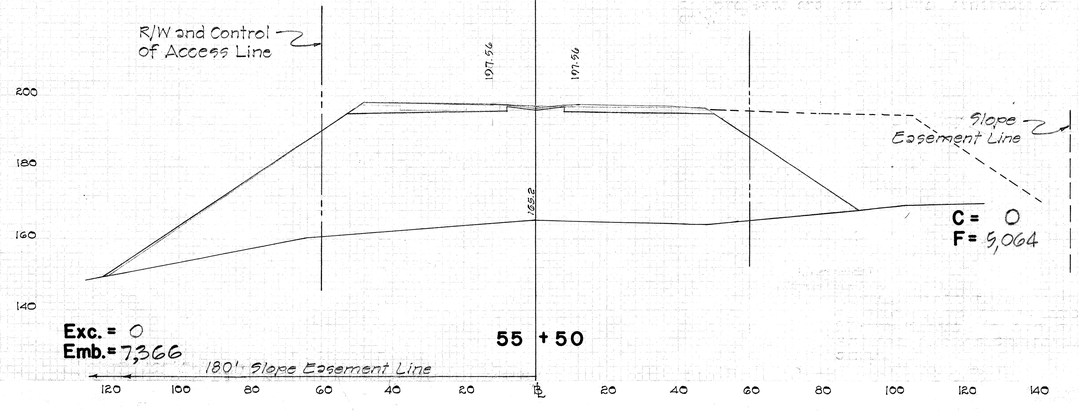
41 62

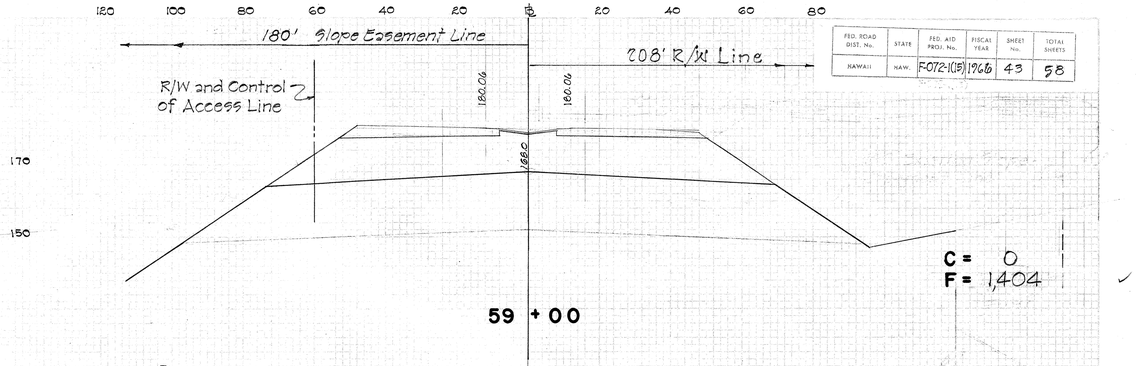
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(15)	1966	43	58

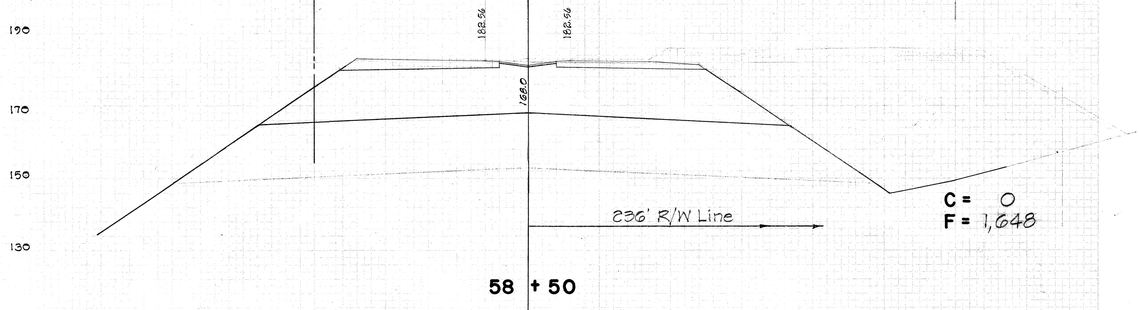


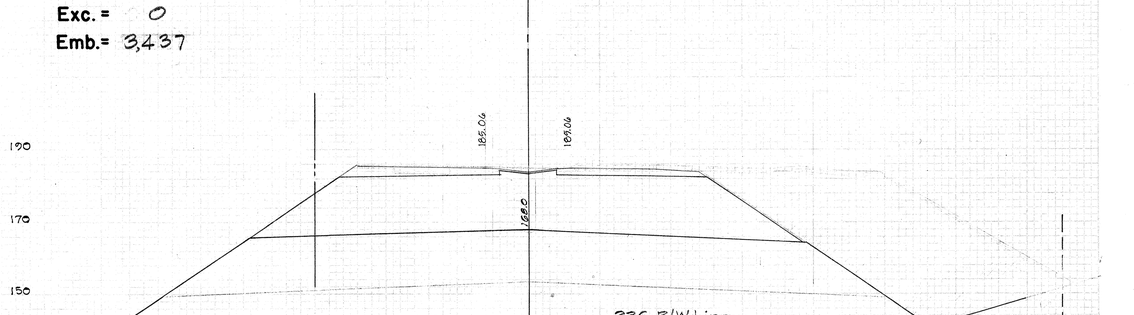


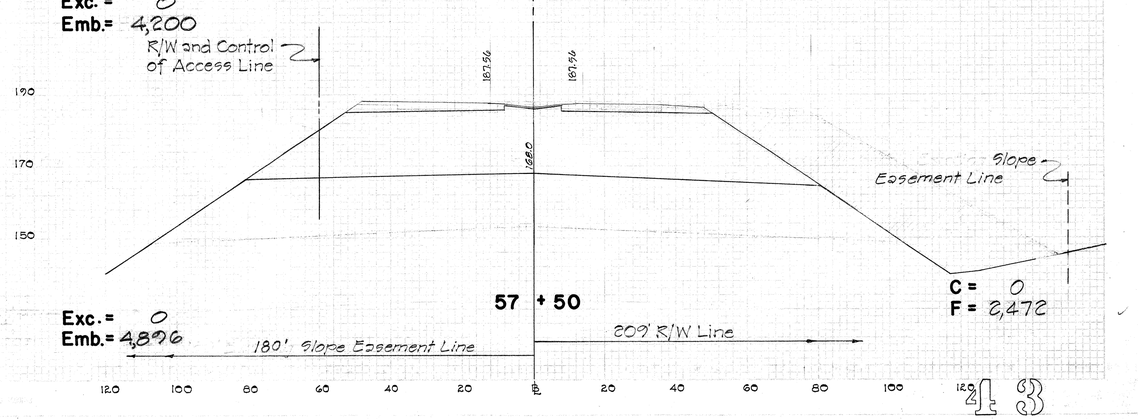




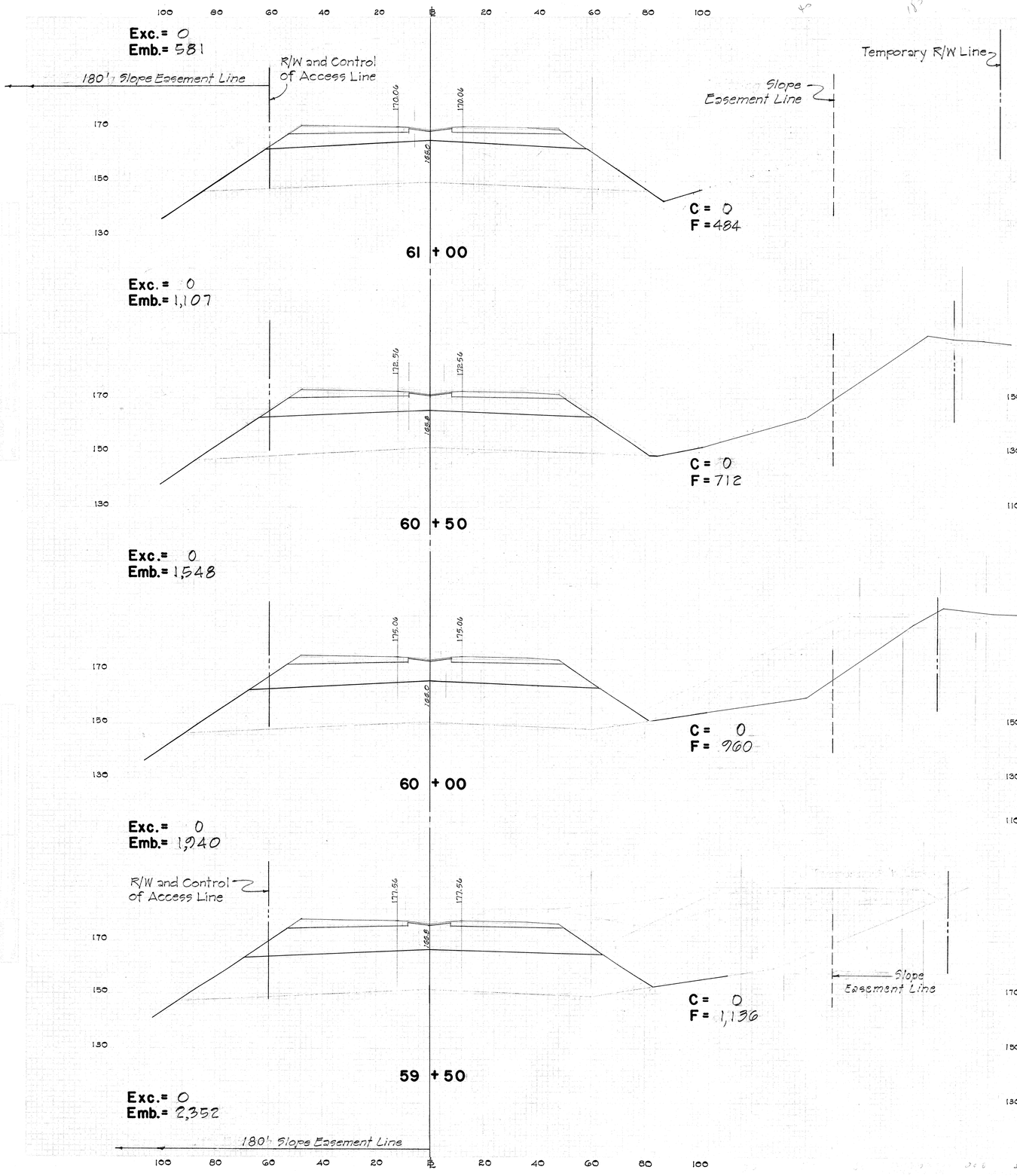


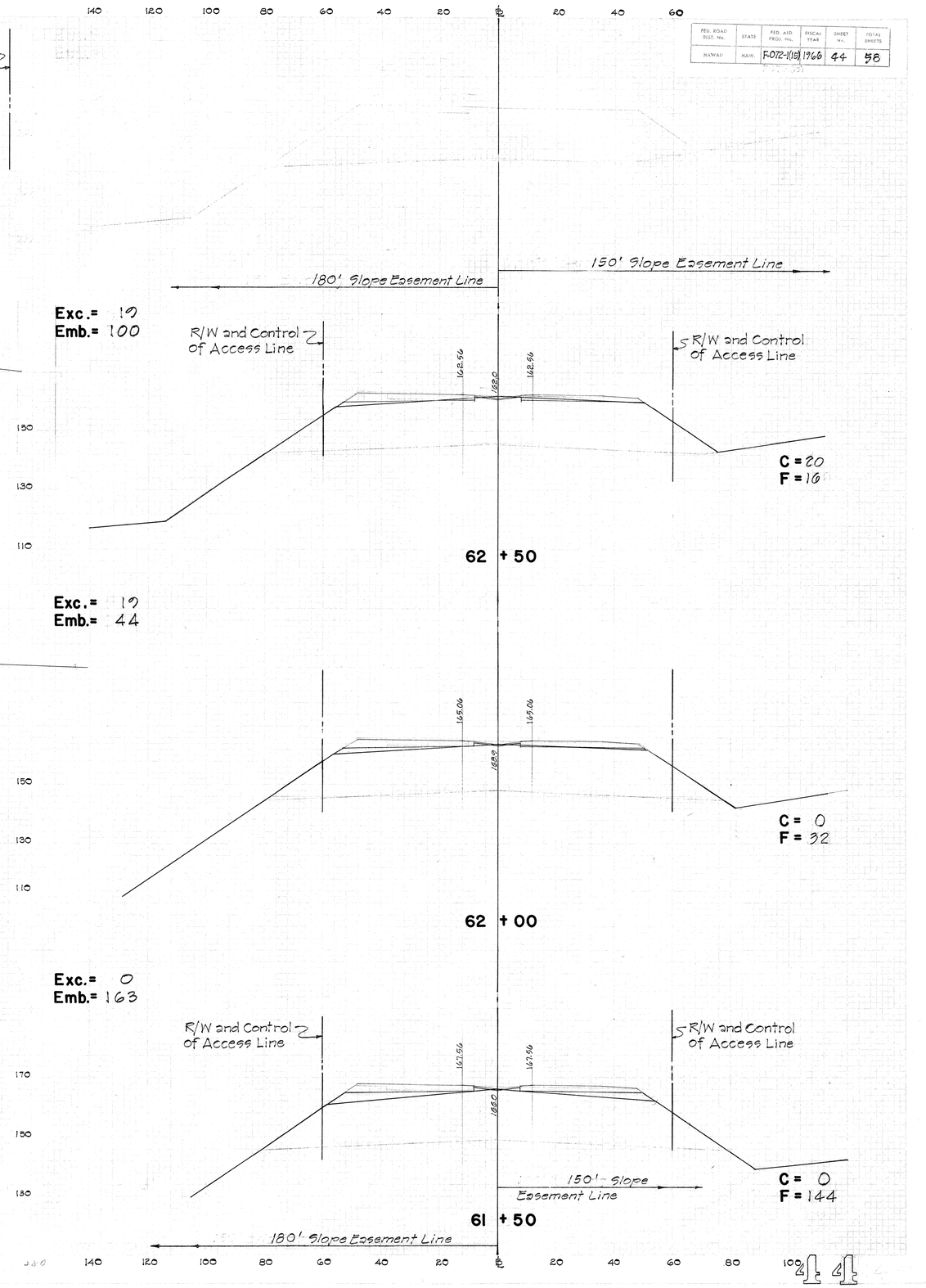




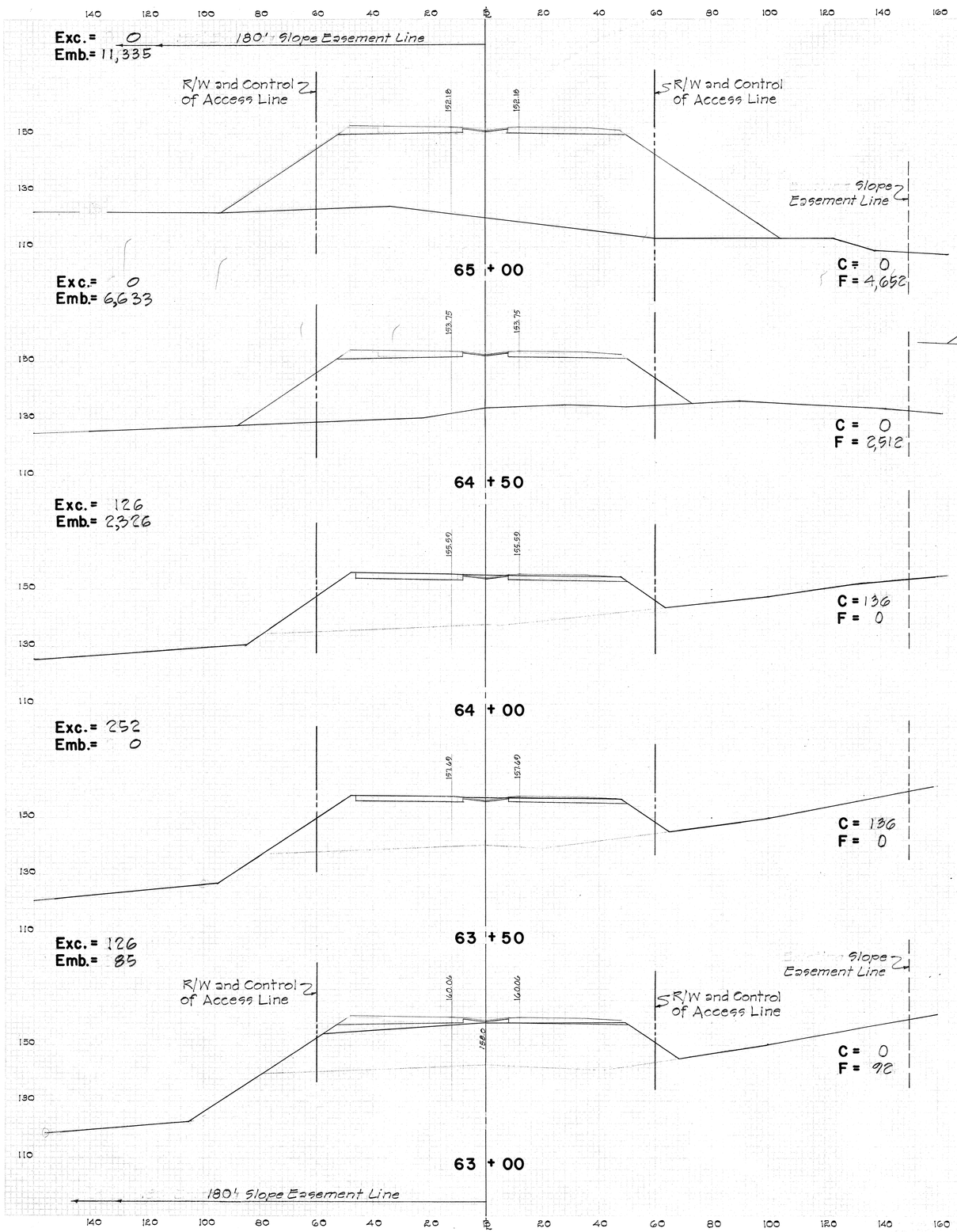


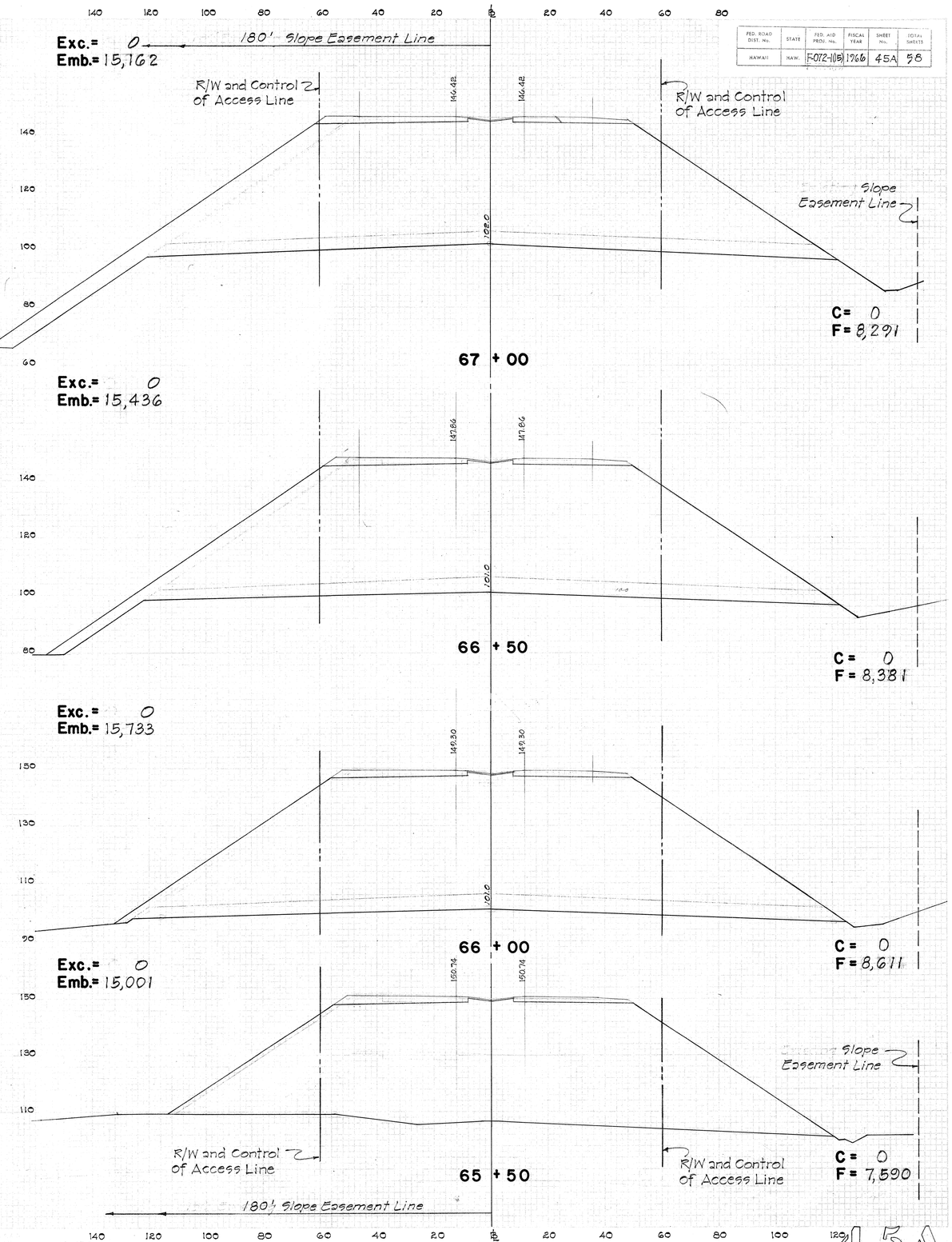
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(18)	1966	44	58





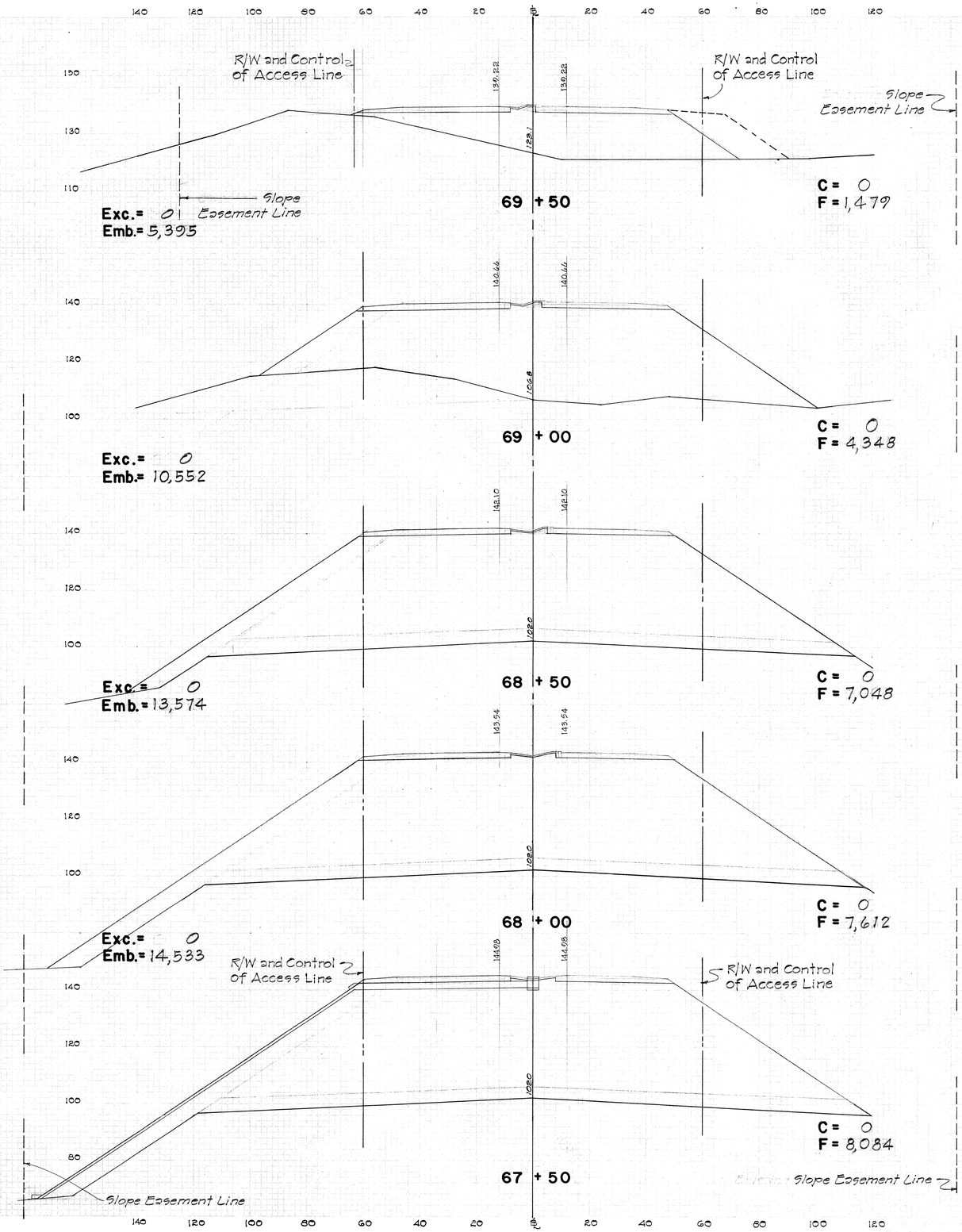
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(15)	1966	45A	58

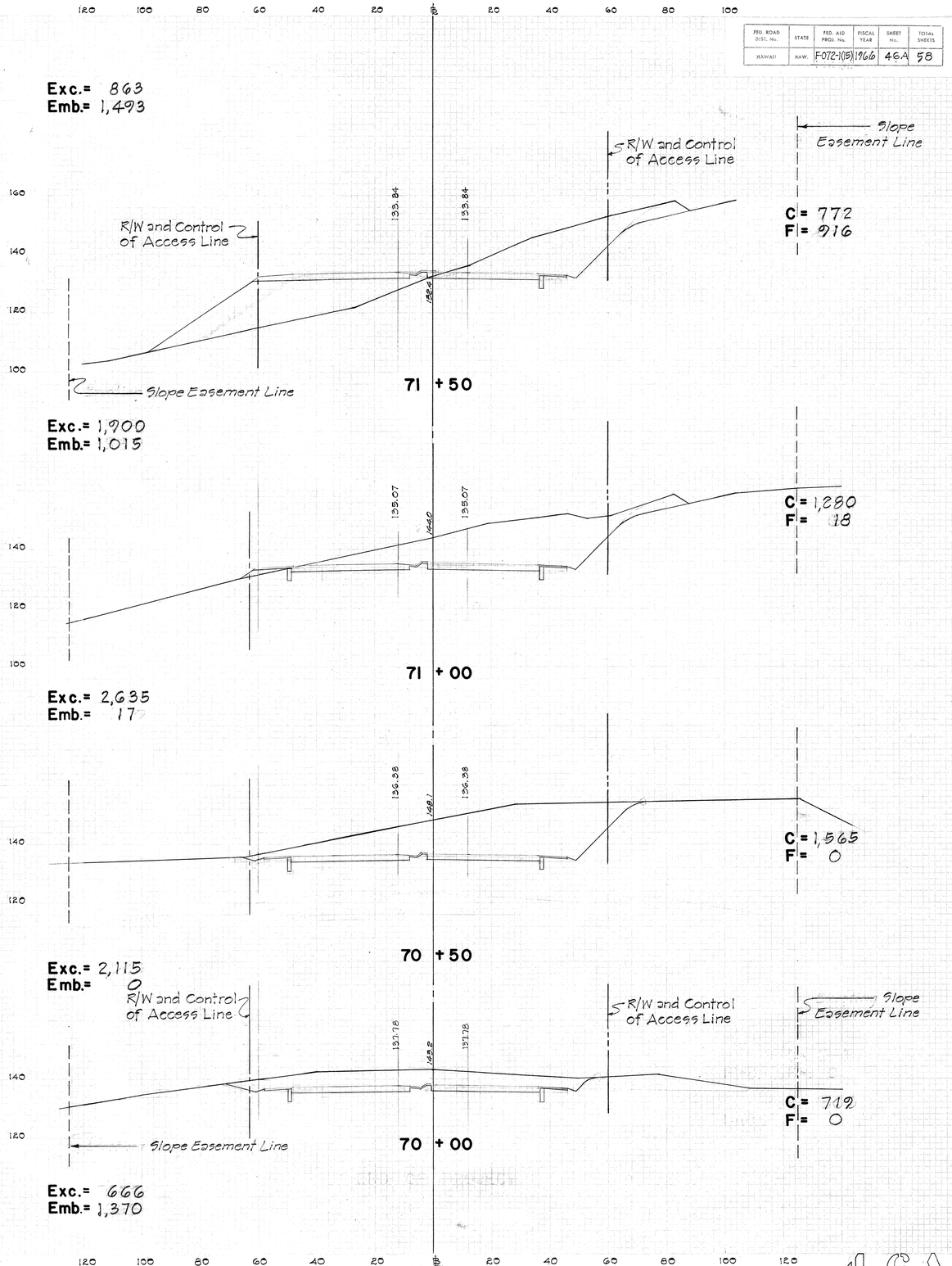




45A

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F072-1(15)1966		46A	58





FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(15)	1966	47A	58

Exc = 11,707
Emb = 0

Slope Easement Line

℄ R/W and Control of Access Line

Slope Easement Line

129.75 129.75 128.77

C = 6,319
F = 0

R/W and Control of Access Line

Exc = 10,206
Emb = 0

73+50

130.65 130.65 129.97

C = 4,704
F = 0

Exc = 4,874
Emb = 0

73+00

131.63 131.63

C = 560
F = 0

Exc = 667
Emb = 904

72+50

Slope Easement Line

132.69 132.69

C = 160
F = 976

Slope Easement Line

R/W and Control of Access Line

72+00

Exc = 14,051
Emb = 0

Slope Easement Line

126.63 126.63 125.69

R/W and Control of Access Line

℄ R/W and Control of Access Line

C = 7,680
F = 0

Slope Easement Line

75+50

127.40 127.40 126.21

C = 7,496
F = 0

Exc = 13,366
Emb = 0

75+00

128.17 128.17 127.21

C = 6,940
F = 0

Exc = 12,282
Emb = 0

74+50

Slope Easement Line

R/W and Control of Access Line

128.94 128.94 127.93

Edge Shoulder

C = 6,325
F = 0

℄ R/W and Control of Access Line

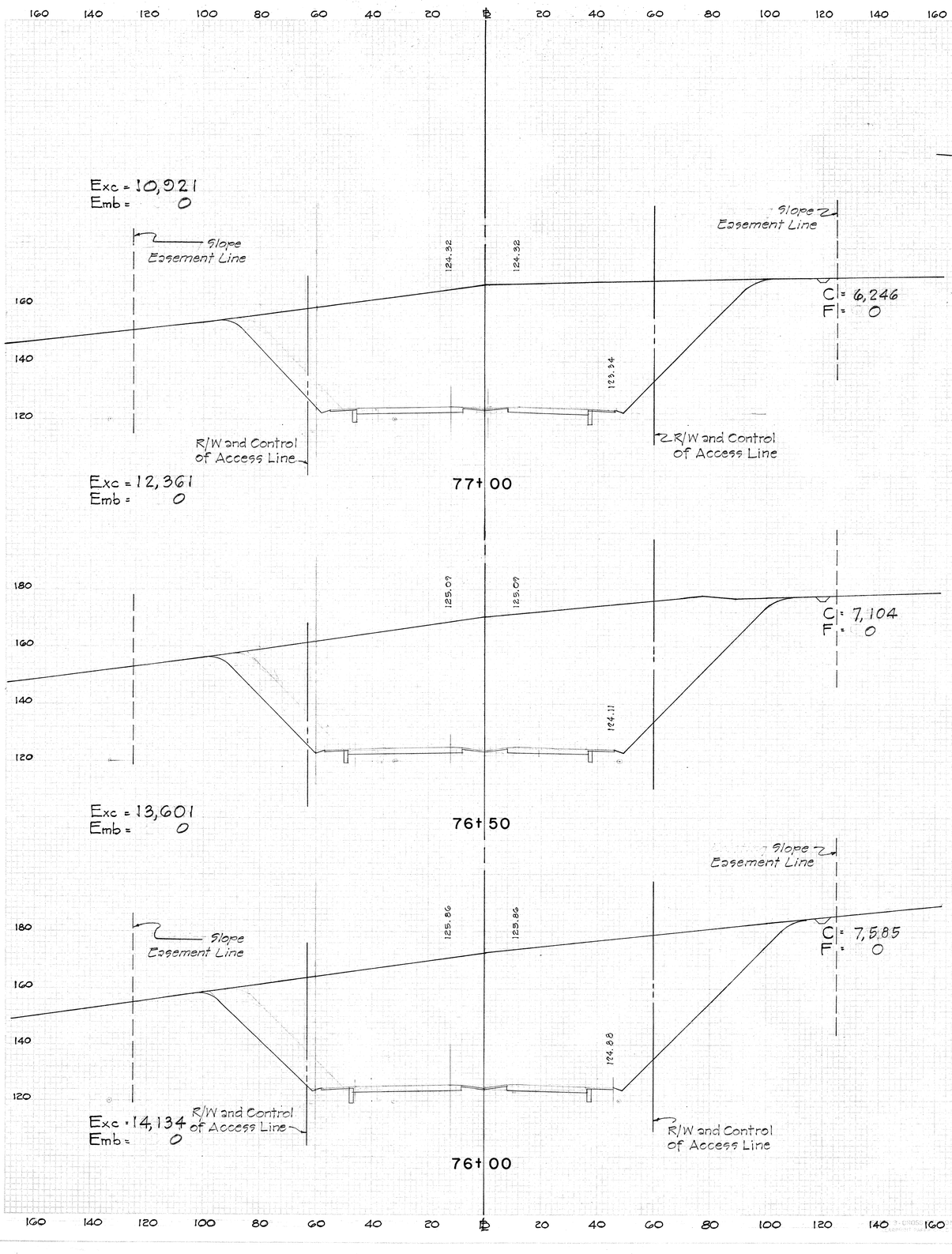
Slope Easement Line

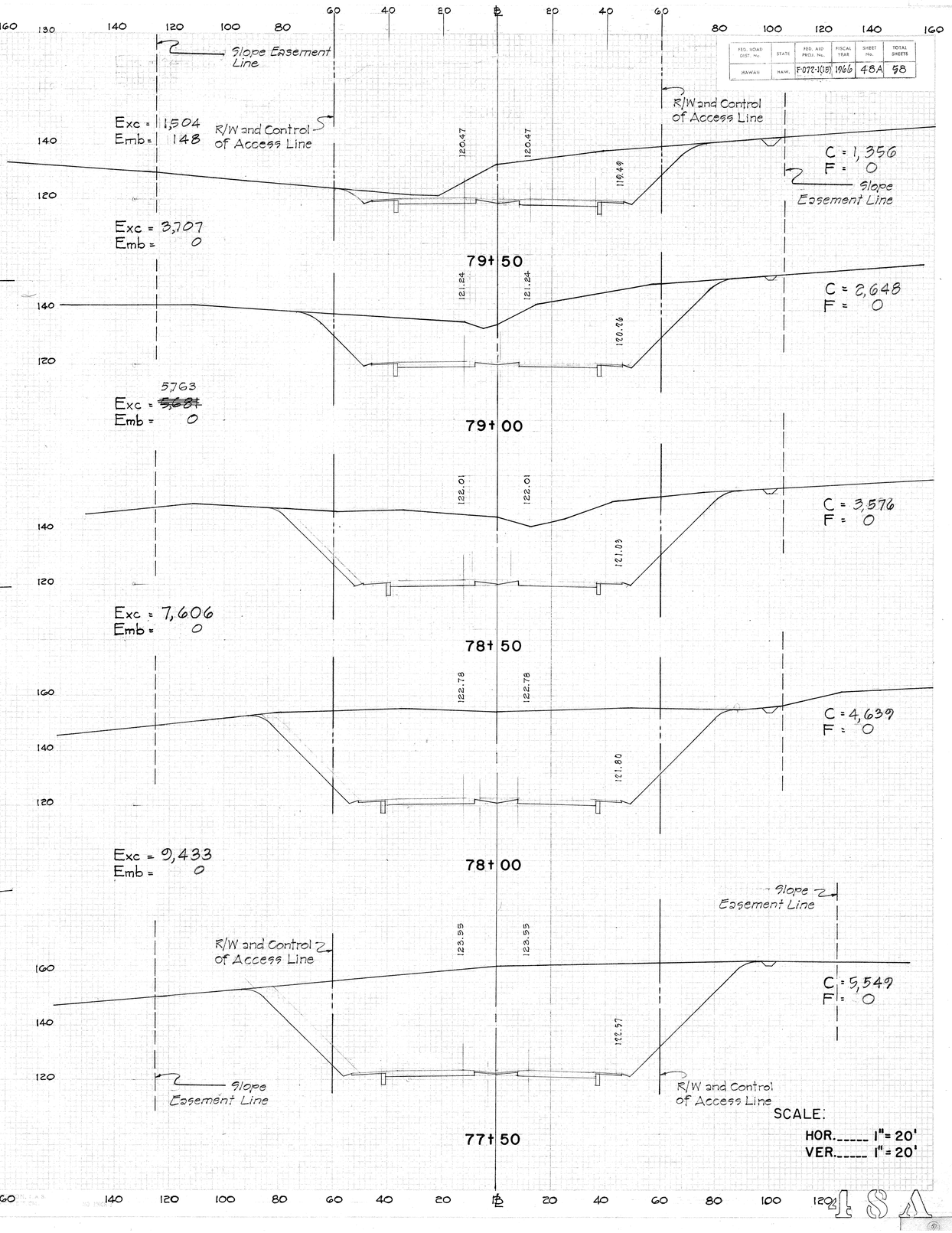
74+00

SCALE:
HOR. ____ 1" = 20'
VER. ____ 1" = 20'

47A

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(13)	1966	48A	58

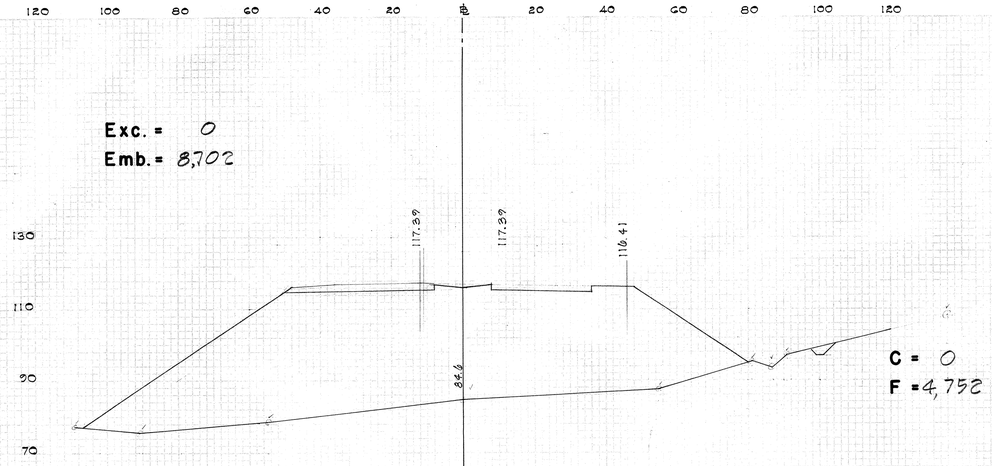




SCALE:
HOR._____ 1" = 20'
VER._____ 1" = 20'

48A

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-OTE-1(05)	1960	49A	58

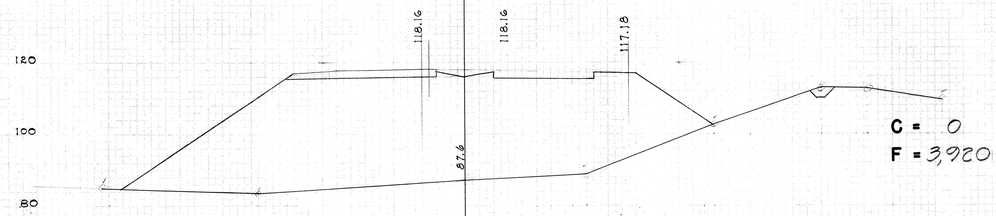


Exc. = 0
Emb. = 8,702

C = 0
F = 4,752

81 + 50

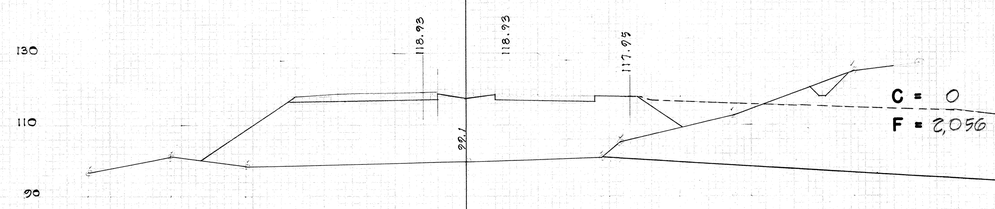
Exc. = 0
Emb. = 8,029



C = 0
F = 3,920

81 + 00

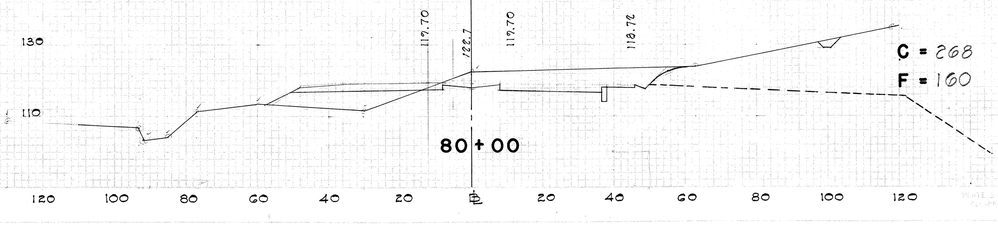
Exc. = 0
Emb. = 5,533



C = 0
F = 2,056

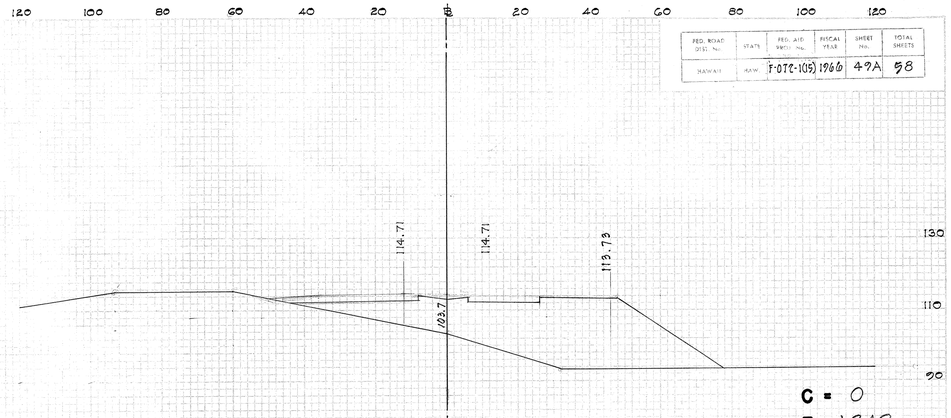
80 + 50

Exc. = 248
Emb. = 2,052



C = 268
F = 160

80 + 00

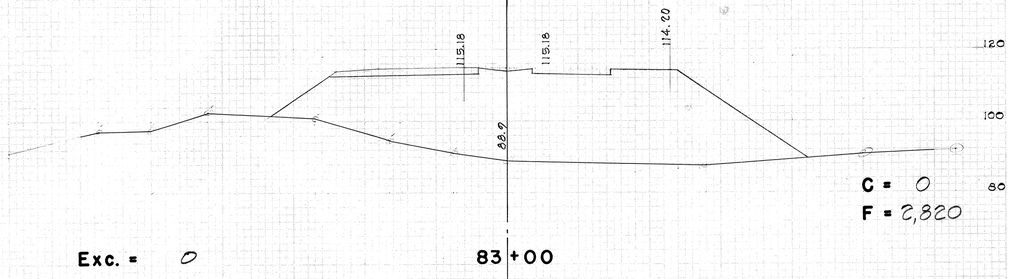


Exc. = 0
Emb. = 3,850

C = 0
F = 1,348

83 + 50

Exc. = 0
Emb. = 6,759



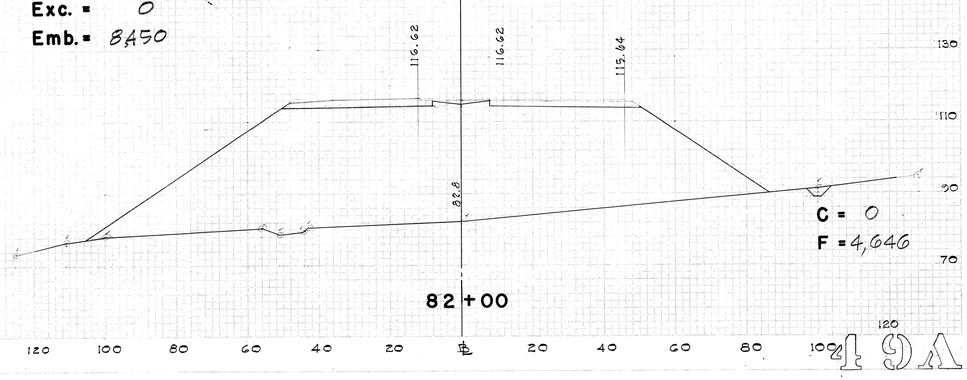
C = 0
F = 2,820

83 + 00

Exc. = 0
Emb. = 8,450

C = 0
F = 4,480

82 + 50

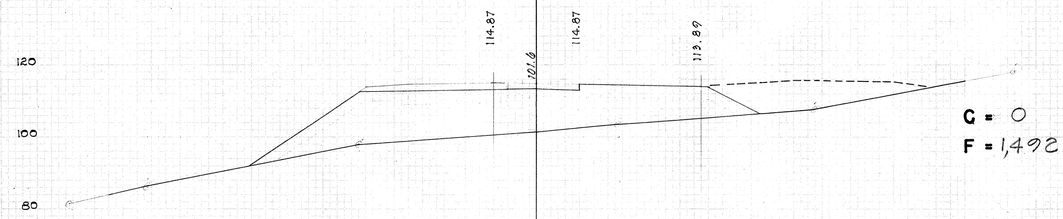


C = 0
F = 4,646

82 + 00

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(15)	1966	50A	58

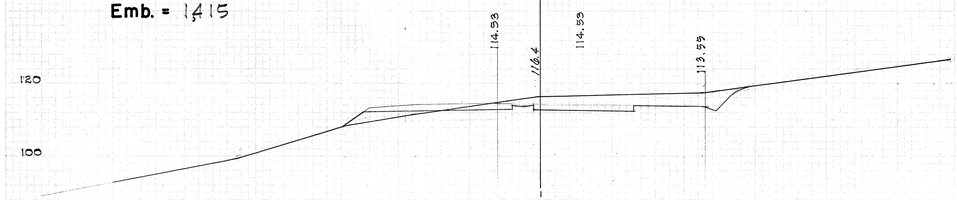
Exc. = 0
Emb. = 5,122



C = 0
F = 1,492

85+50

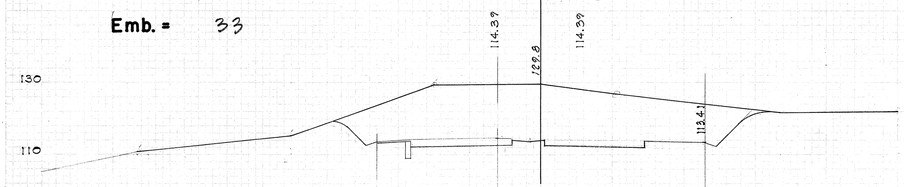
Exc. = 185
Emb. = 1,415



C = 200
F = 36

85+00

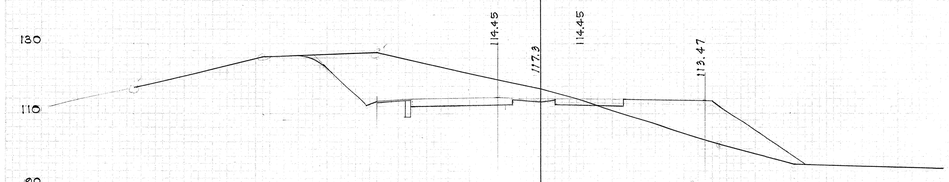
Exc. = 1,559
Emb. = 33



C = 1,484
F = 0

84+50

Exc. = 1,252
Emb. = 363

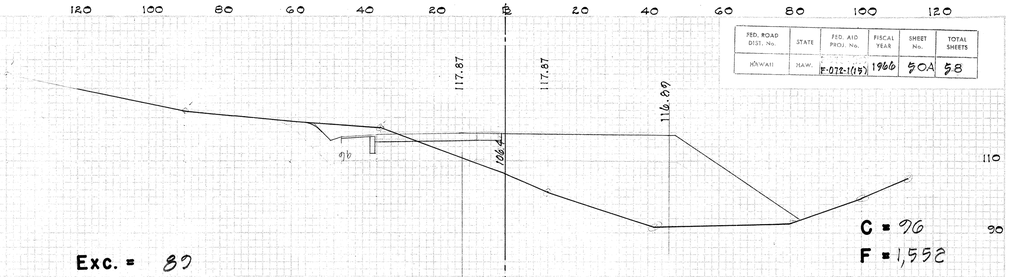


C = 624
F = 392

84+00

Exc. = 578
Emb. = 1,611

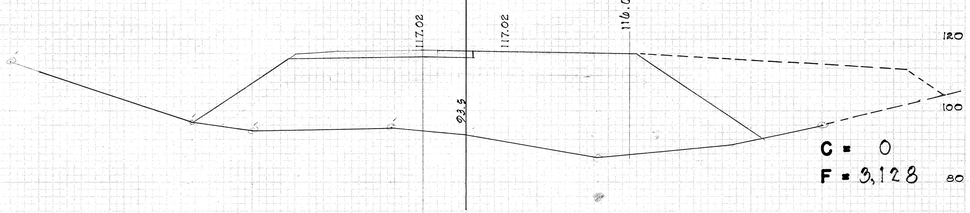
120 100 80 60 40 20 ℄ 20 40 60 80 100 120



C = 96
F = 1,552

Exc. = 80
Emb. = 4,333

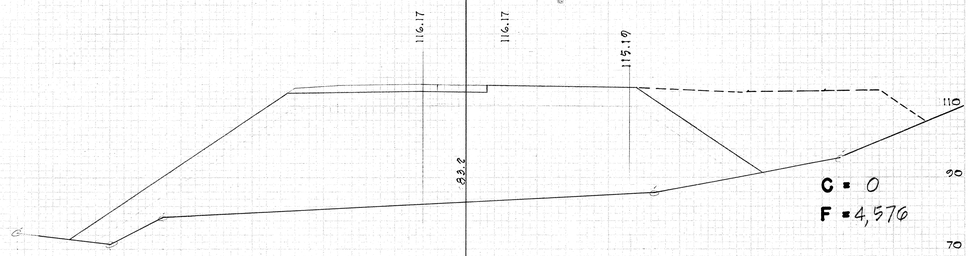
87+50



C = 0
F = 3,128

Exc. = 0
Emb. = 7,133

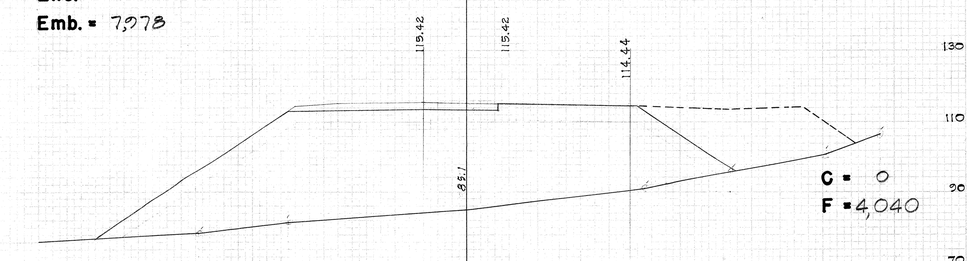
87+00



C = 0
F = 4,576

86+50

Exc. = 0
Emb. = 7,978



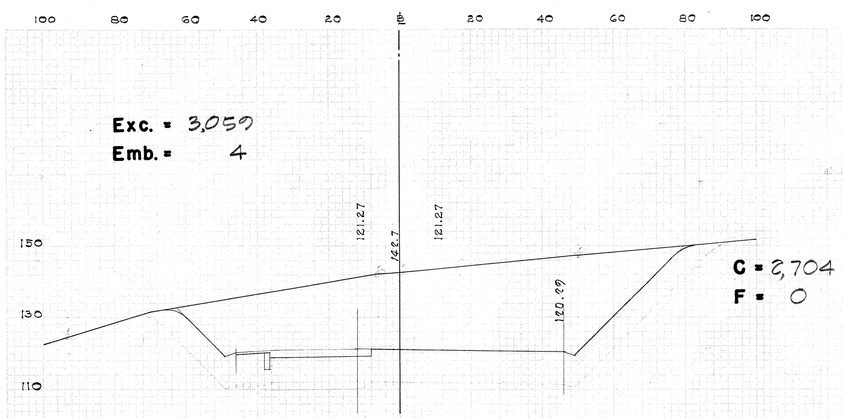
C = 0
F = 4,040

86+00

120 100 80 60 40 20 ℄ 20 40 60 80 100 120

50A

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-032-1(15)	1966	51A	58

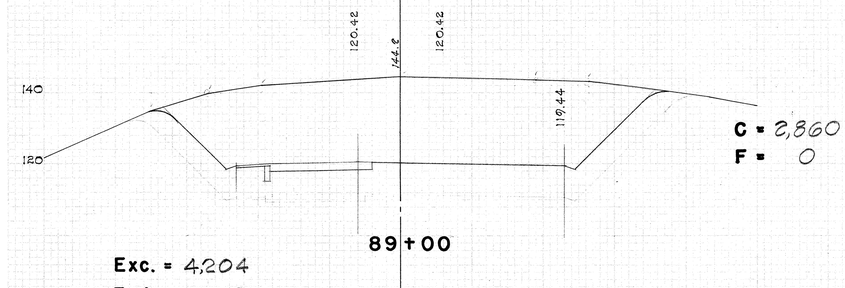


Exc. = 3,050
Emb. = 4

C = 2,704
F = 0

89 + 50

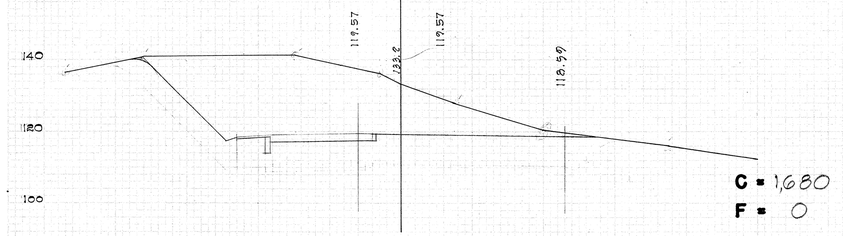
Exc. = 5,152
Emb. = 0



C = 2,860
F = 0

89 + 00

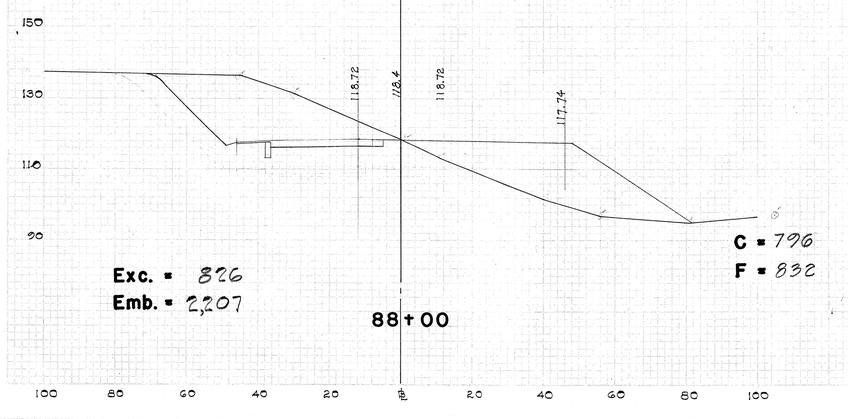
Exc. = 4,204
Emb. = 0



C = 1,680
F = 0

88 + 50

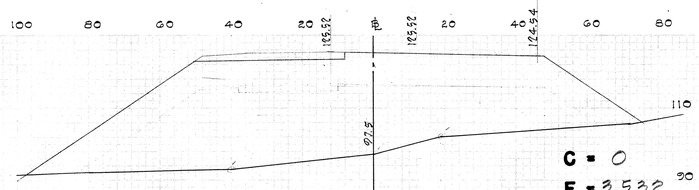
Exc. = 2,293
Emb. = 770



C = 796
F = 832

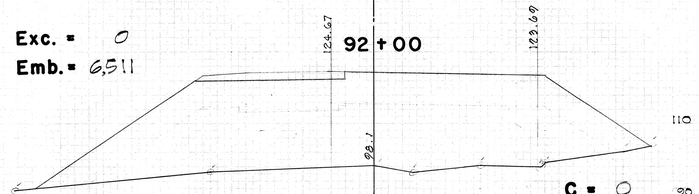
88 + 00

Exc. = 826
Emb. = 2,207



C = 0
F = 3,532

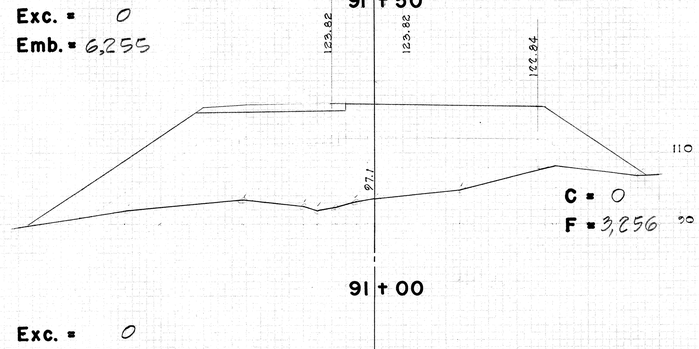
Exc. = 0
Emb. = 6,511



92 + 00

C = 0
F = 3,500

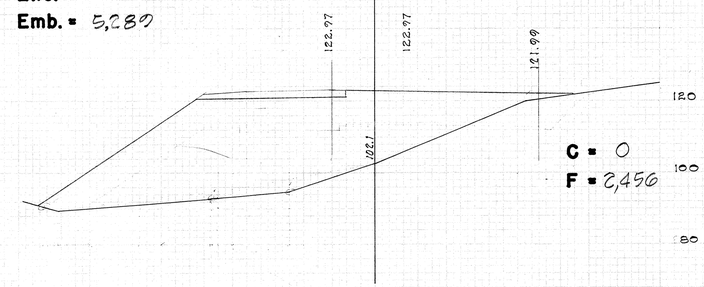
Exc. = 0
Emb. = 6,255



91 + 00

C = 0
F = 3,256

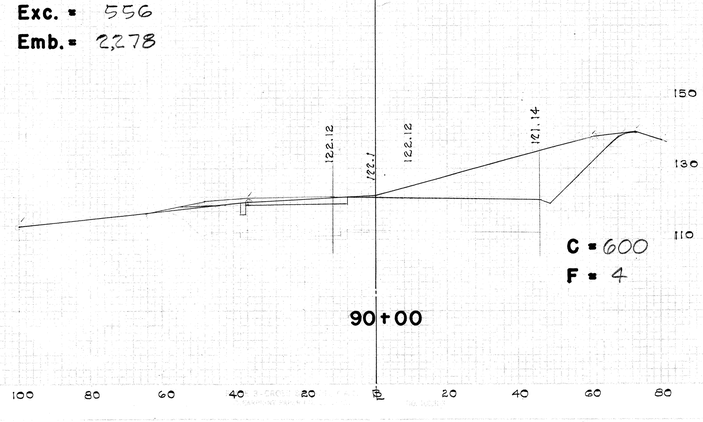
Exc. = 0
Emb. = 5,280



C = 0
F = 2,456

90 + 50

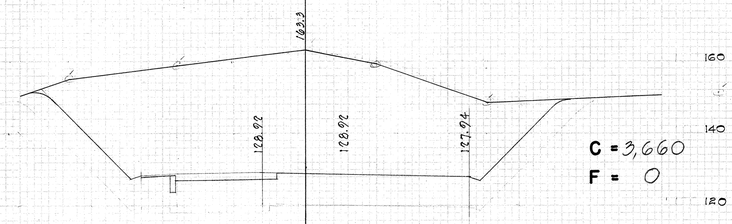
Exc. = 556
Emb. = 2,278



C = 600
F = 4

90 + 00

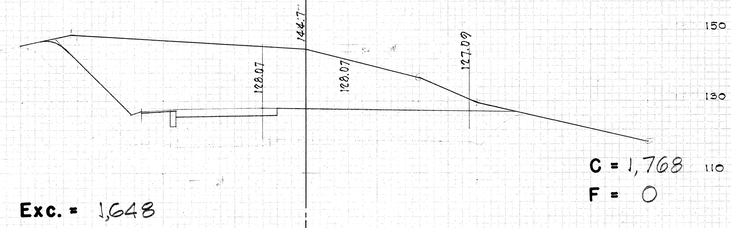
Exc. = 7,572
Emb. = 0



C = 3,660
F = 0

94 + 00

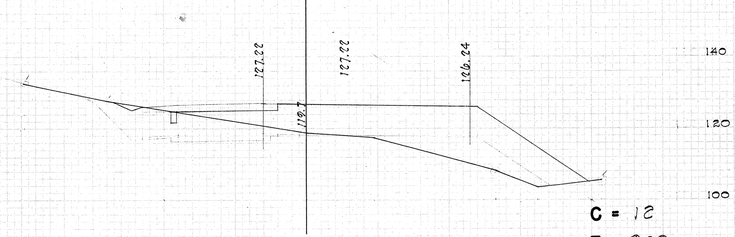
Exc. = 5,026
Emb. = 0



C = 1,768
F = 0

93 + 50

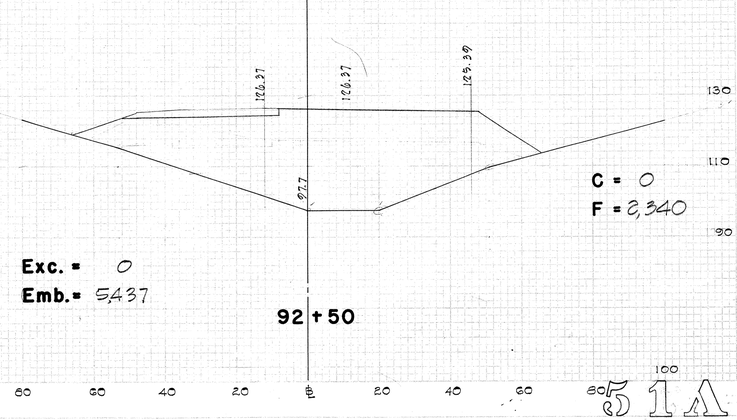
Exc. = 1,648
Emb. = 880



C = 12
F = 960

93 + 00

Exc. = 11
Emb. = 3,055



C = 0
F = 2,340

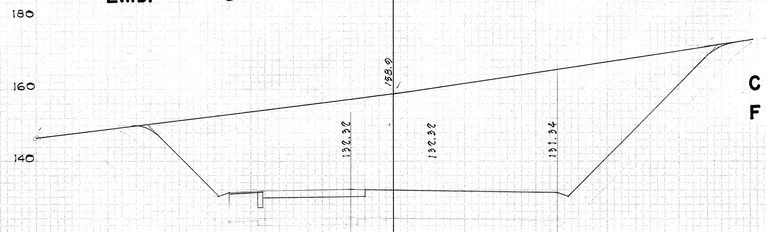
92 + 50

Exc. = 0
Emb. = 5,437

51A

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(19)	1966	52	58

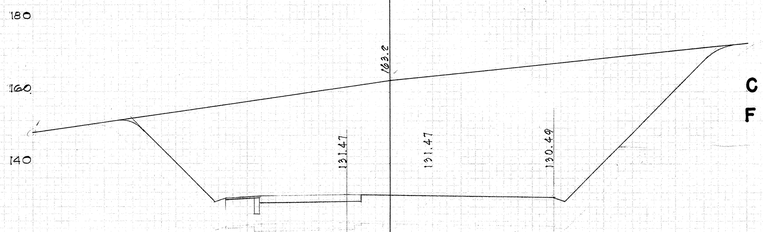
Exc. = 6,778
Emb. = 0



C = 3,768
F = 0

Exc. = 7,537
Emb. = 0

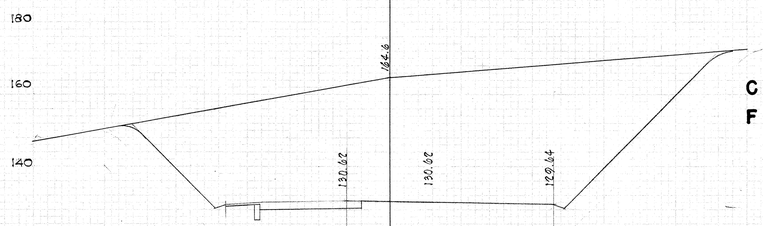
96 + 00



C = 4,372
F = 0

Exc. = 8,266
Emb. = 0

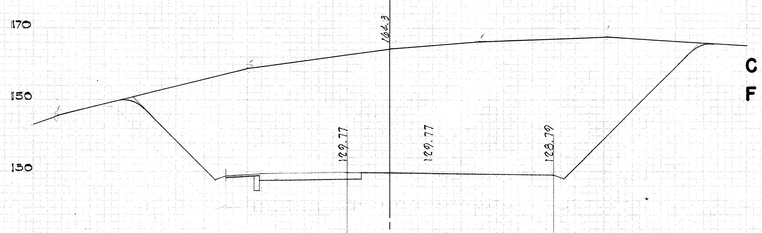
95 + 50



C = 4,556
F = 0

Exc. = 8,400
Emb. = 0

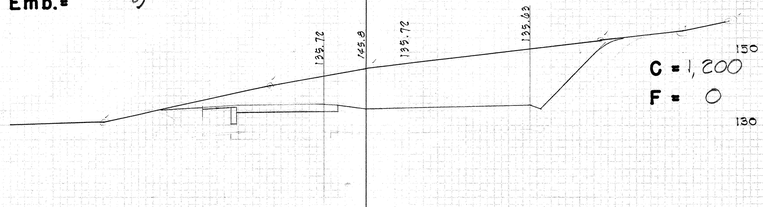
95 + 00



C = 4,516
F = 0

94 + 50

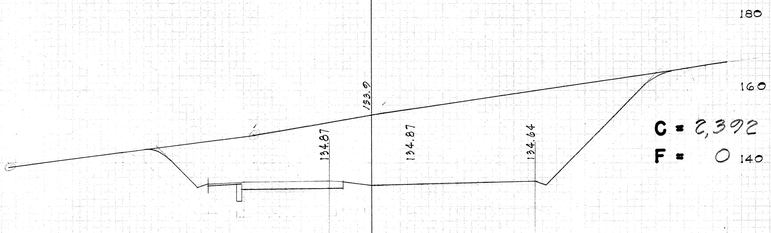
Exc. = 1,896
Emb. = 0



C = 1,200
F = 0

Exc. = 3,326
Emb. = 0

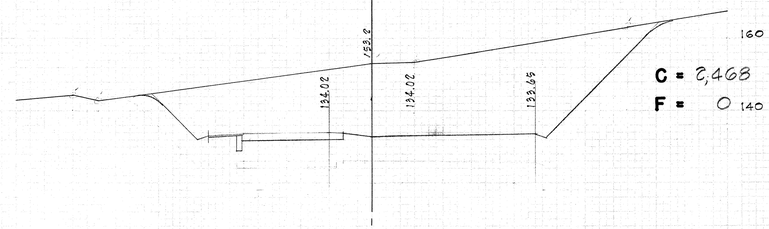
98 + 00



C = 2,392
F = 0

Exc. = 4,500
Emb. = 0

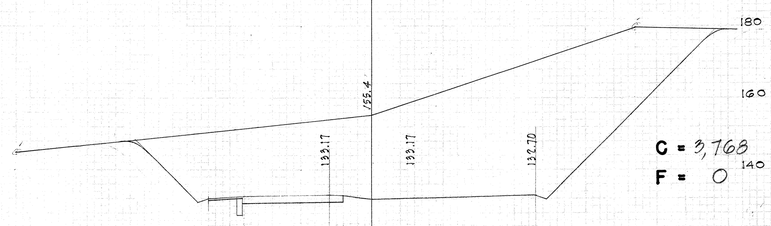
97 + 50



C = 2,468
F = 0

Exc. = 5,774
Emb. = 0

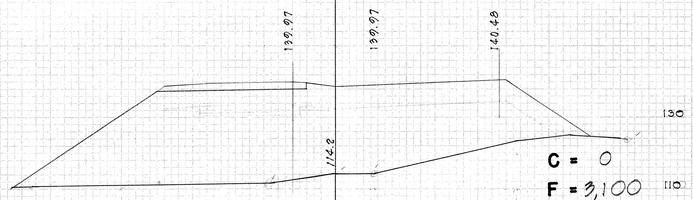
97 + 00



C = 3,768
F = 0

96 + 50

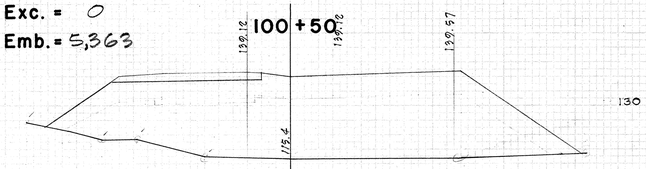
Exc. = 0
Emb. = 6,778



C = 0
F = 3,100

Exc. = 0
Emb. = 5,363

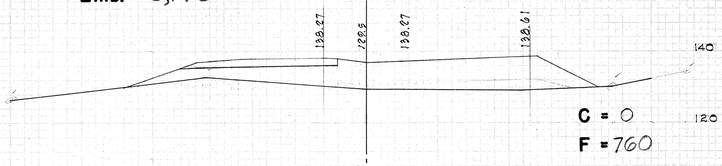
100 + 50



C = 0
F = 2,692

Exc. = 0
Emb. = 3,196

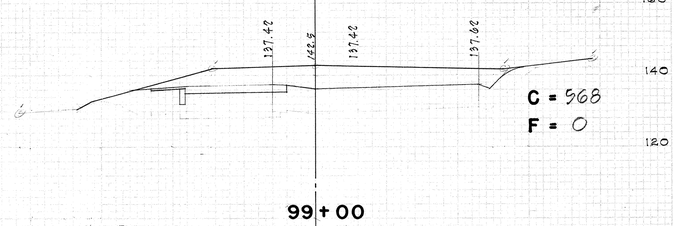
100 + 00



C = 0
F = 760

Exc. = 526
Emb. = 704

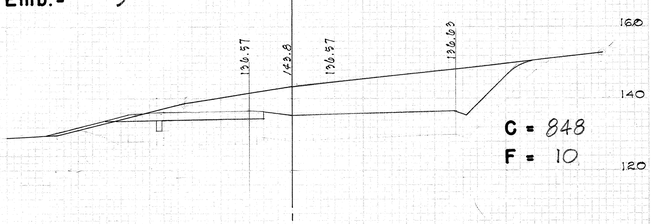
99 + 50



C = 568
F = 0

99 + 00

Exc. = 1,311
Emb. = 9



C = 848
F = 10

98 + 50

52

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(19)	1966	53	58

Exc. = 759
Emb. = 89
℄ R/W and Control of Access Line
148.5 145.07 145.98
℄ R/W and Control of Access Line
C = 948
F = 92

103+50
Exc. = 615
Emb. = 333
148.1 144.22 144.73
C = 916
F = 268

103+00
Exc. = 778
Emb. = 763
150.2 143.37 143.88
C = 524
F = 556

102+50
Exc. = 1,226
Emb. = 525
153.0 142.52 143.09
C = 800
F = 11

102+00
Exc. = 741
Emb. = 488
139.1 141.67 142.18
C = 0
F = 516

101+50
℄ R/W and Control of Access Line
Exc. = 0
Emb. = 4,385
140.82 141.33
℄ R/W and Control of Access Line
115.5
C = 0
F = 4,220

101+00

Exc. = 4,318
Emb. = 0
℄ R/W and Control of Access Line
R/W and Control of Access Line
132.4 148.97 149.48
C = 2,000
F = 0

106+50
Exc. = 3,115
Emb. = 0
132.1 148.64 149.15
C = 1,364
F = 0

106+00
Exc. = 2,015
Emb. = 0
152.8 148.17 148.68
C = 812
F = 0

105+50
Exc. = 1,067
Emb. = 0
152.5 147.54 148.05
C = 340
F = 0

105+00
Exc. = 600
Emb. = 152
147.4 146.77 147.28
C = 908
F = 164

104+50
Exc. = 722
Emb. = 156
℄ R/W and Control of Access Line
R/W and Control of Access Line
150.0 145.92 144.43
C = 472
F = 4

104+00

Exc. = 9,822
Emb. = 0
℄ R/W and Control of Access Line
157.0 148.77 149.28 216
C = 4,724
F = 0
℄ R/W and Control of Access Line

Note: Roadway Excavation quantities for Detour Road from ℄ Sta. 108+00 to 114+50 Rt. are not included in these cross sections. See plan and profile sheet.

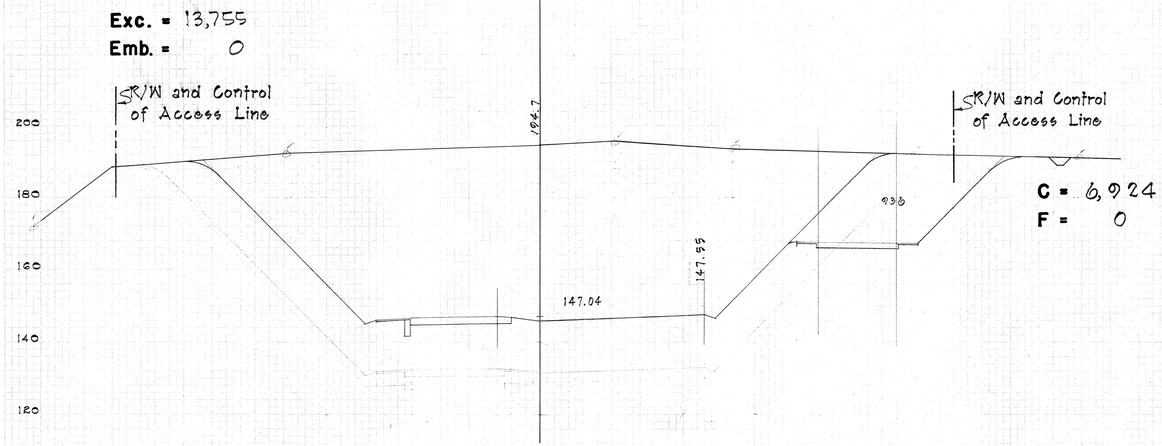
108+50
Exc. = 8,185
Emb. = 0
170.3 149.04 149.55
C = 4,116
F = 0

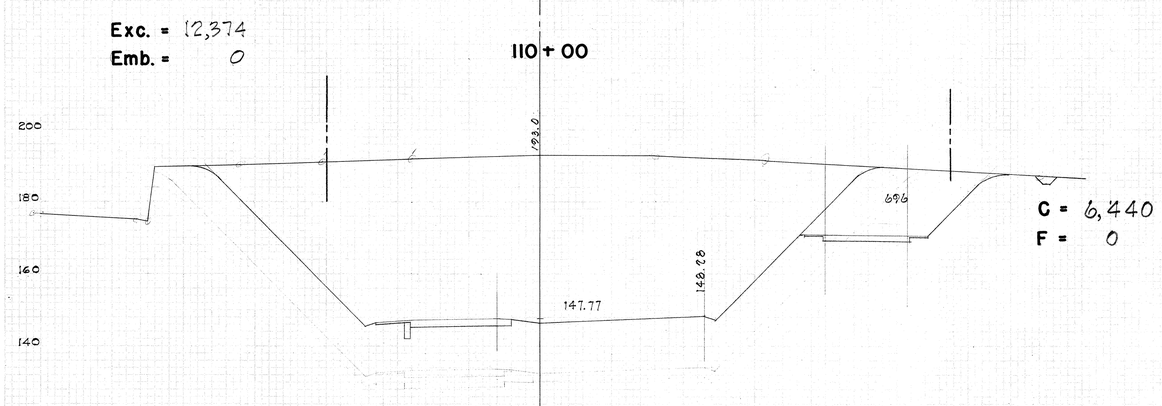
108+00
Exc. = 6,789
Emb. = 0
175.5 149.17 149.68
C = 3,216
F = 0

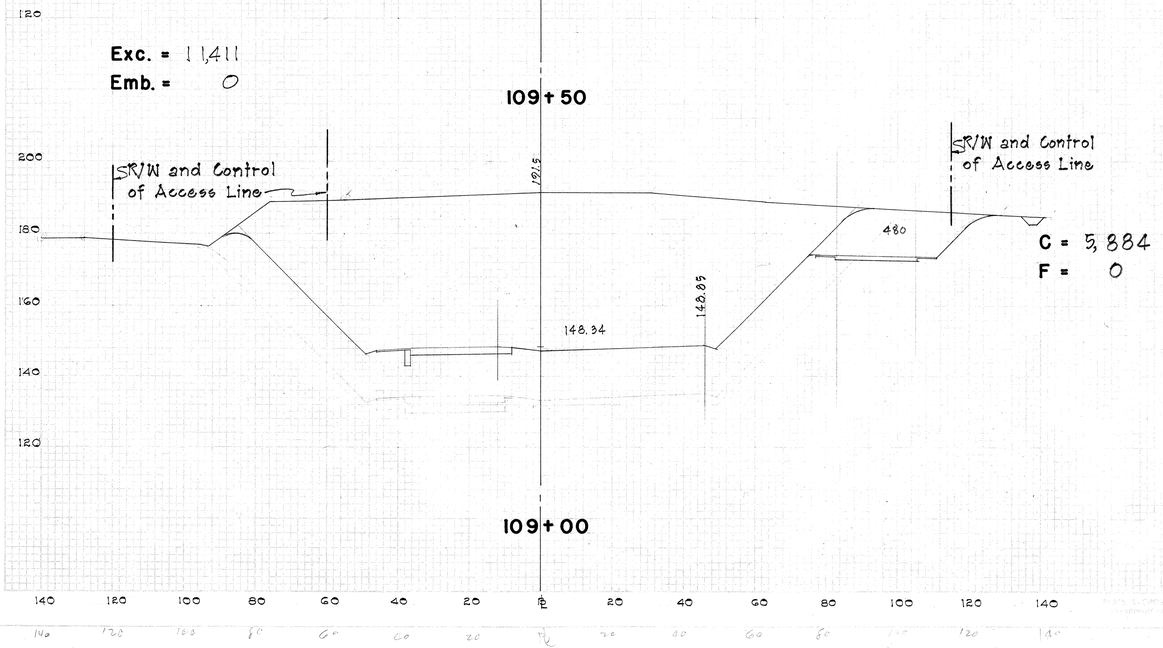
107+50
Exc. = 5,444
Emb. = 0
℄ R/W and Control of Access Line
℄ R/W and Control of Access Line
169.4 149.14 149.65
C = 2,664
F = 0

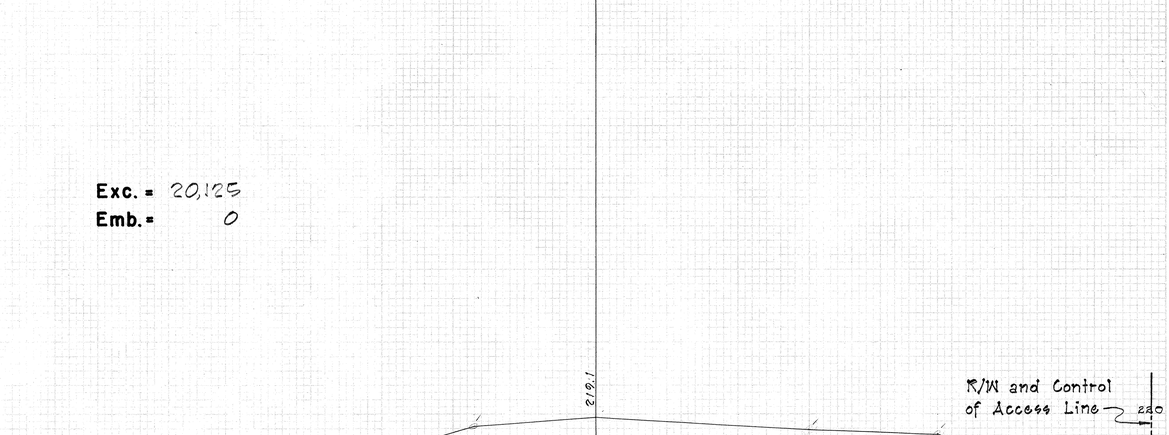
107+00

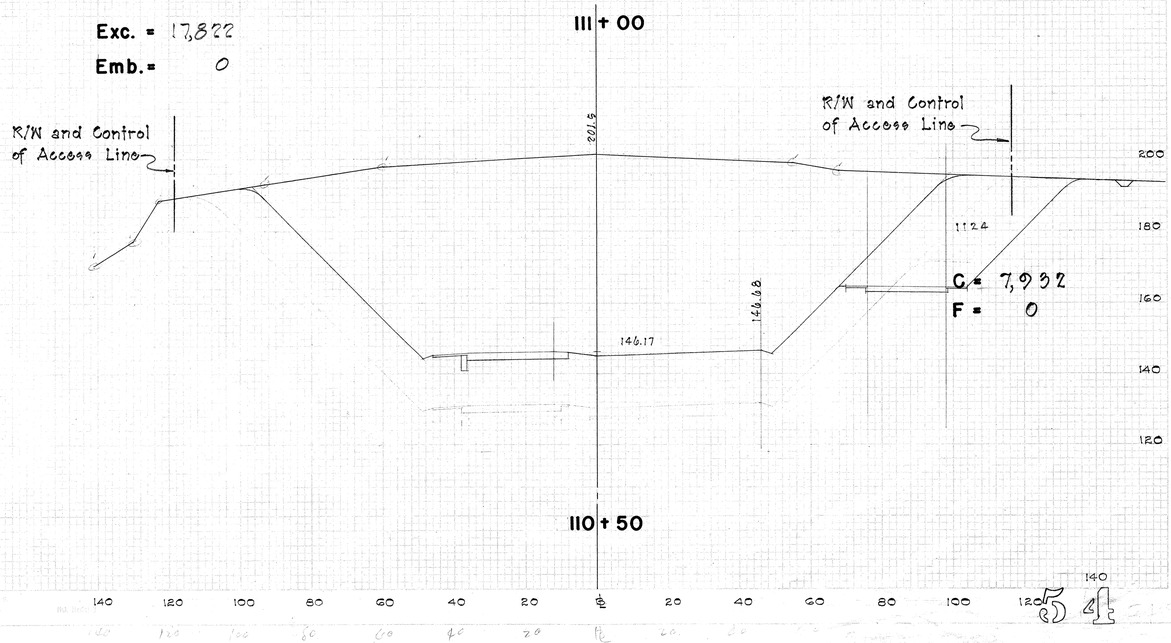
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-OTR-1(135)	1966	54	58





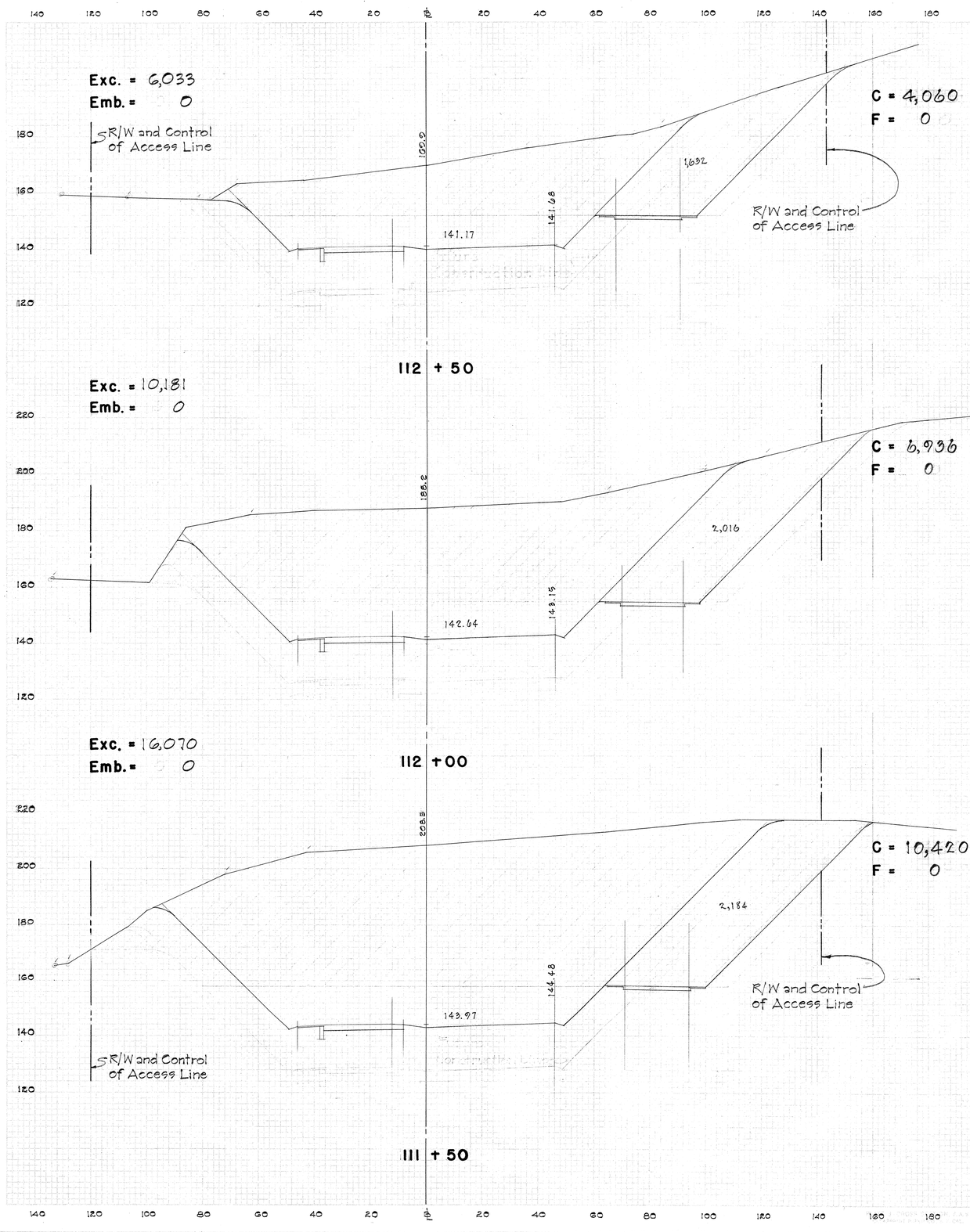


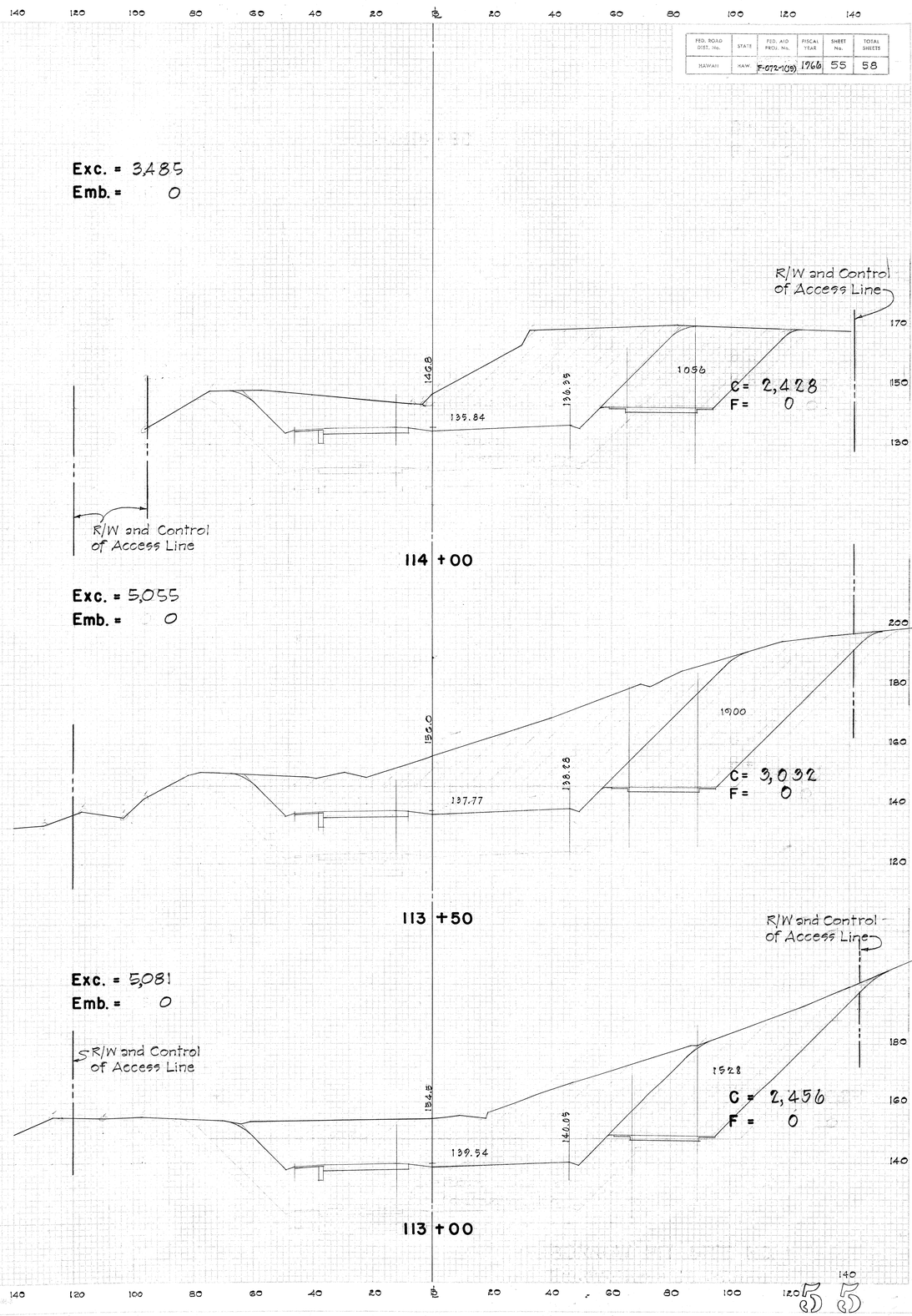




54

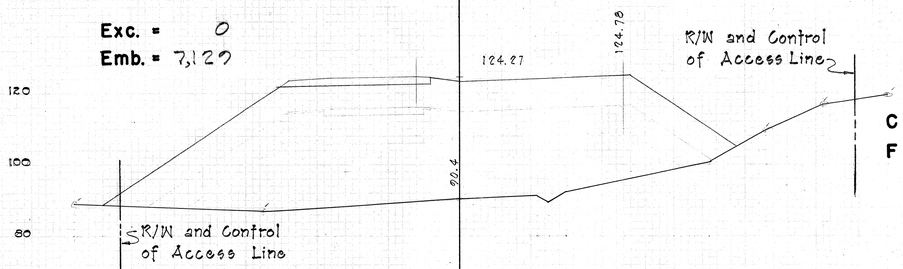
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	KAW	F-072-1(19)	1966	55	58





FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-072-1(15)	1966	56	58

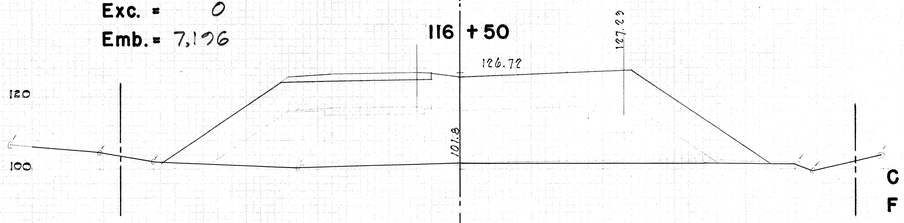
Exc. = 0
Emb. = 7,129



C = 0
F = 4,524

Exc. = 0
Emb. = 7,196

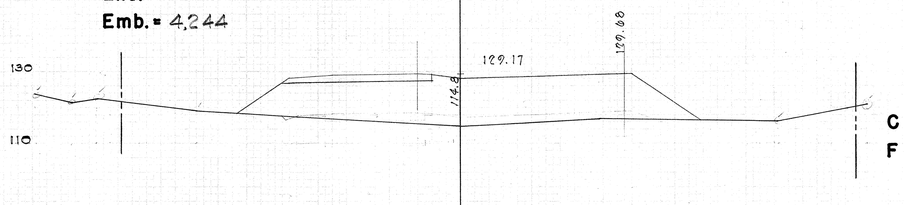
116 + 50



C = 0
F = 3,248

Exc. = 0
Emb. = 4,244

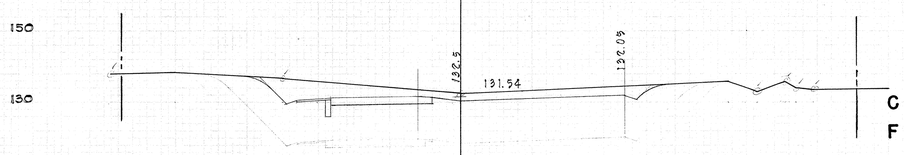
116 + 00



C = 0
F = 1,336

Exc. = 348
Emb. = 1,237

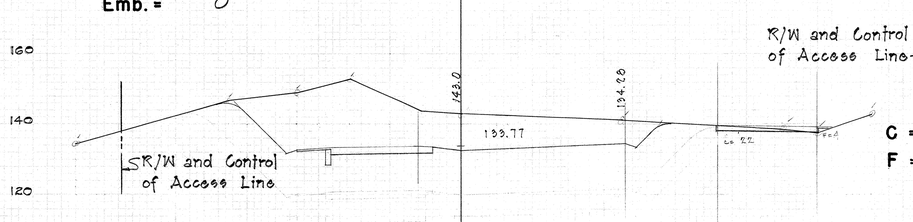
115 + 50



C = 376
F = 0

Exc. = 1,585
Emb. = 0

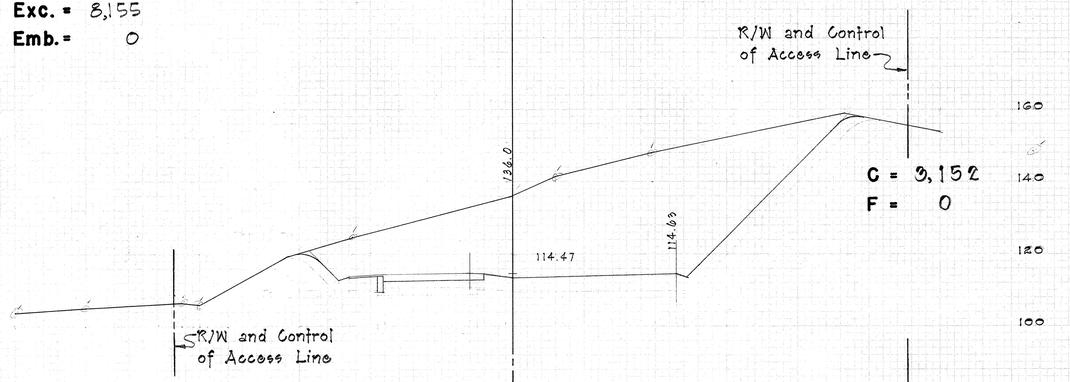
115 + 00



C = 1,996
F = 0

114 + 50

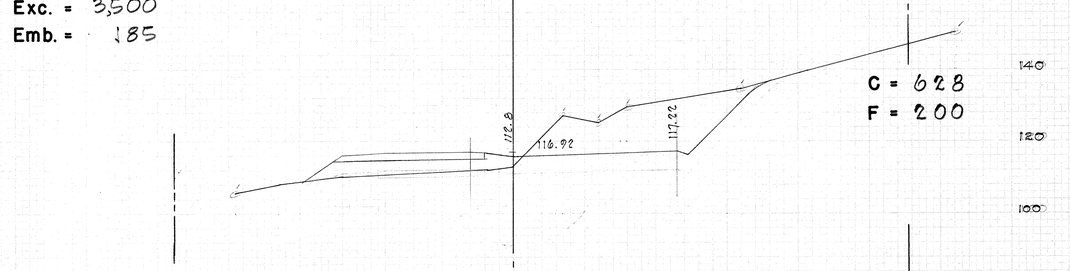
Exc. = 8,155
Emb. = 0



C = 3,152
F = 0

Exc. = 3,500
Emb. = 185

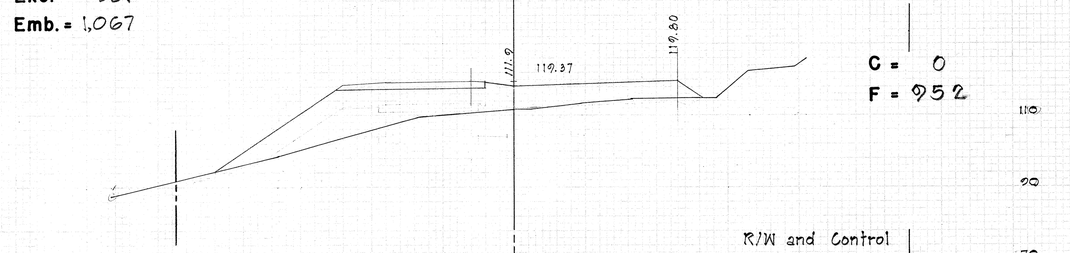
118 + 50



C = 628
F = 200

Exc. = 581
Emb. = 1,067

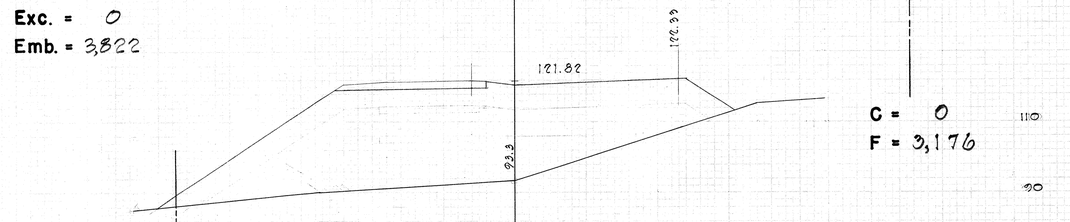
118 + 00



C = 0
F = 952

Exc. = 0
Emb. = 3,822

117 + 50

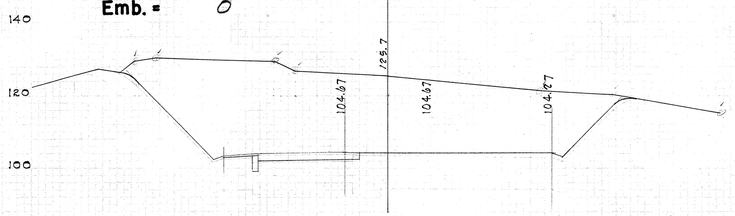


C = 0
F = 3,176

117 + 00

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-078-1(19)	1986	57	58

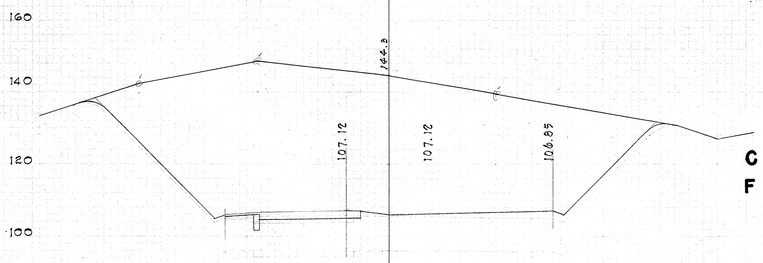
Exc. = 3,311
Emb. = 0



C = 2,680
F = 0

120 +50

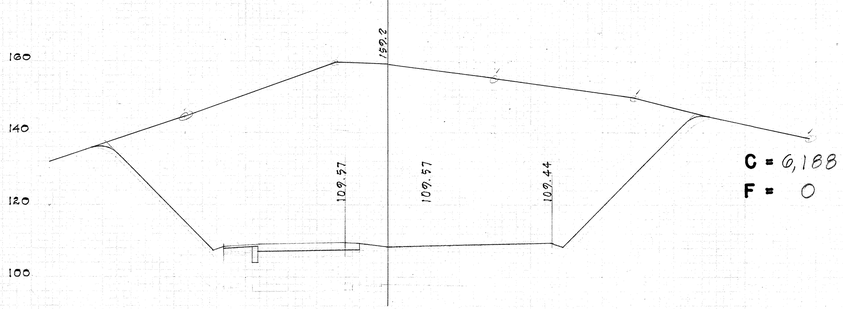
Exc. = 6,963
Emb. = 0



C = 4,840
F = 0

120 +00

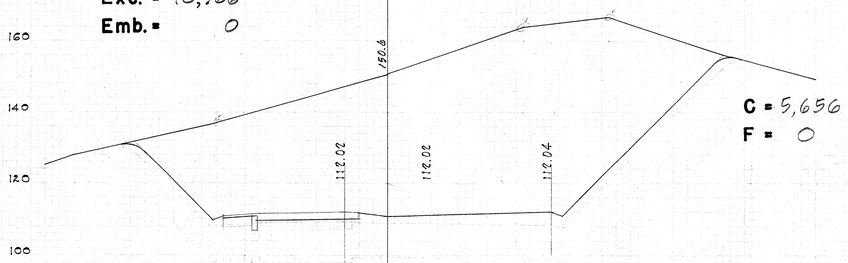
Exc. = 10,211
Emb. = 0



C = 6,188
F = 0

119 +50

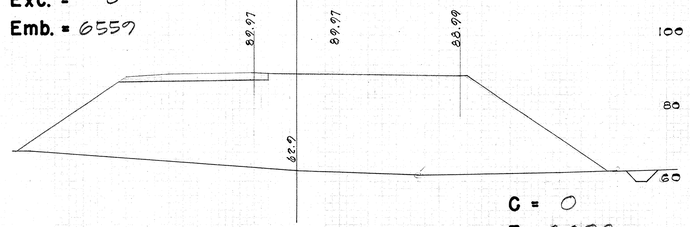
Exc. = 10,966
Emb. = 0



C = 5,656
F = 0

119 +00

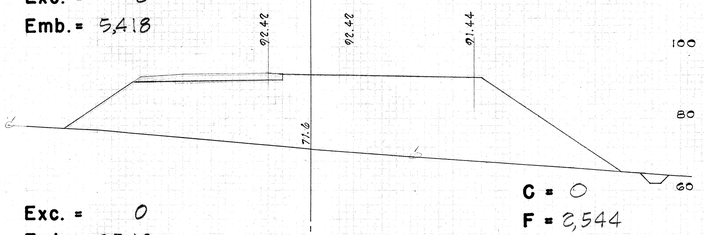
Exc. = 0
Emb. = 6559



C = 0
F = 3,308

123 +50

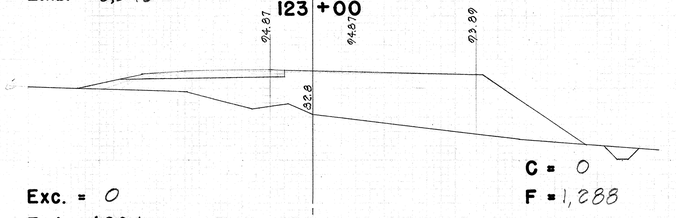
Exc. = 0
Emb. = 5,418



C = 0
F = 2,544

123 +00

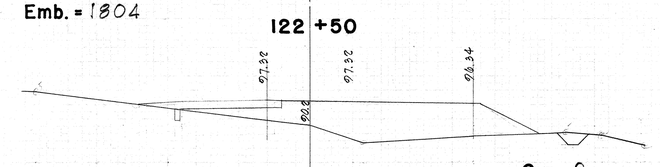
Exc. = 0
Emb. = 3,548



C = 0
F = 1,288

122 +50

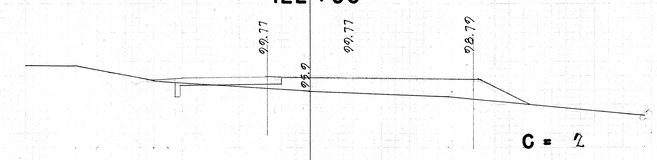
Exc. = 0
Emb. = 1804



C = 0
F = 660

122 +00

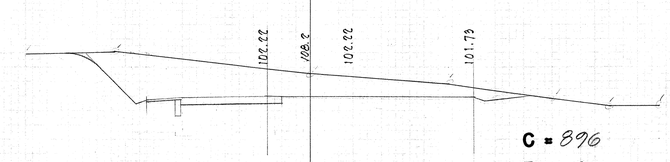
Exc. = 2
Emb. = 904



C = 2
F = 316

121 +50

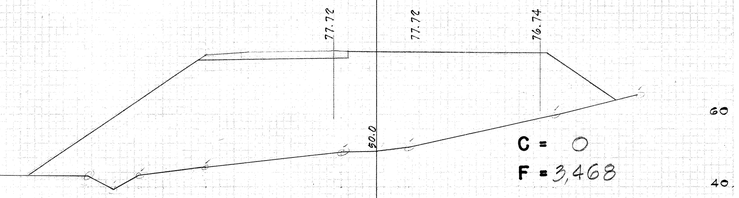
Exc. = 831
Emb. = 293



C = 896
F = 0

121 +00

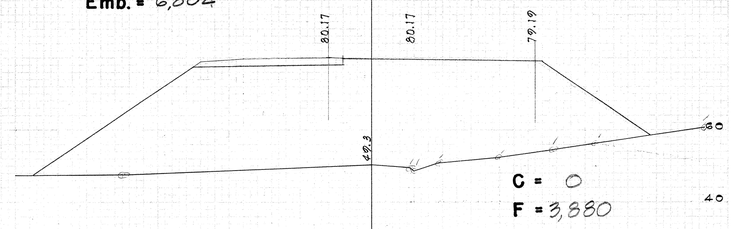
Exc. = 0
Emb. = 5,100



C = 0
F = 3,468

126 +00

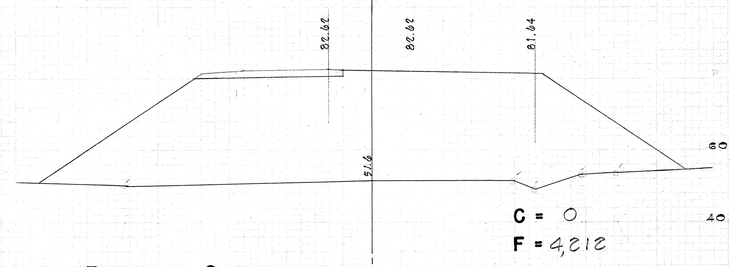
Exc. = 0
Emb. = 6,804



C = 0
F = 3,880

125 +50

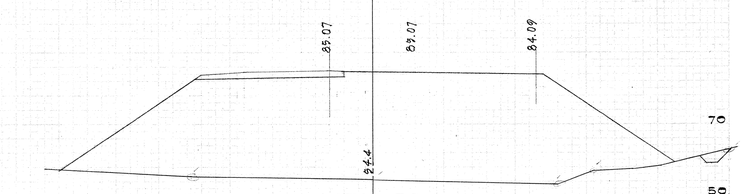
Exc. = 0
Emb. = 7,492



C = 0
F = 4,212

125 +00

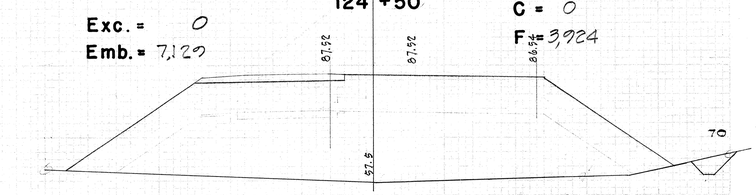
Exc. = 0
Emb. = 7,533



C = 0
F = 3,924

124 +50

Exc. = 0
Emb. = 7,129



C = 0
F = 3,776

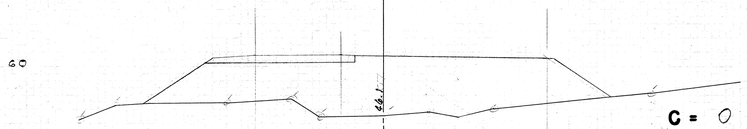
124 +00

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	(F-072-1(19))	1966	58	58

Note: Excavation quantities in red are additional amounts for temporary detour road Sta. 130+00 to 134+50. There is also an earth ditch from Sta. 130+47 to 134+13 approximately 12' from right R/W. See plan sheet 11.

R/W

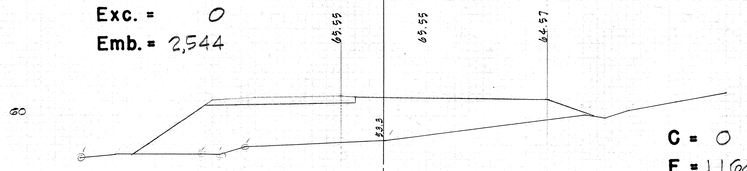
Exc. = 0
Emb. = 2467



C = 0
F = 1,584

129 +00

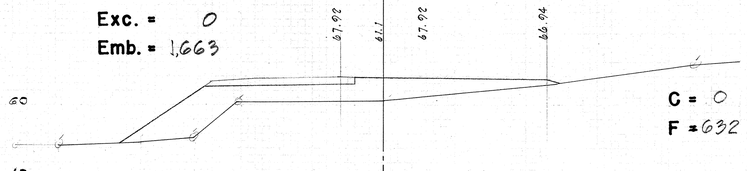
Exc. = 0
Emb. = 2,544



C = 0
F = 1,164

128 +50

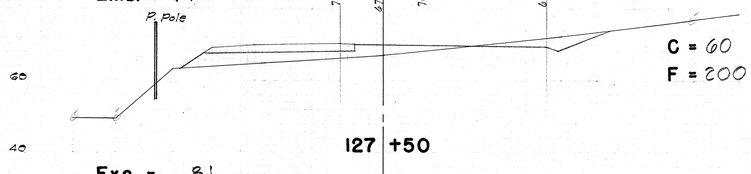
Exc. = 0
Emb. = 1,663



C = 0
F = 632

128 +00

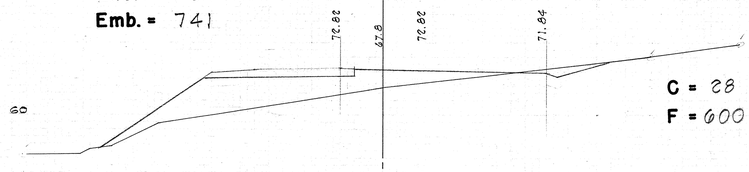
Exc. = 56
Emb. = 770



C = 60
F = 200

127 +50

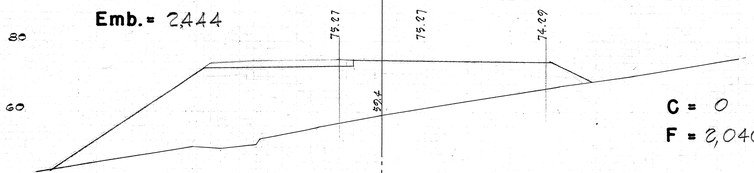
Exc. = 81
Emb. = 741



C = 28
F = 600

127 +00

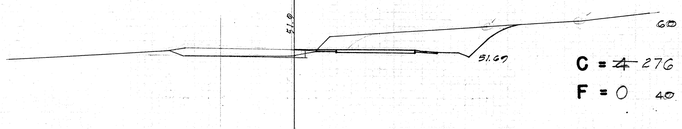
Exc. = 26
Emb. = 2444



C = 0
F = 2,040

126 +50

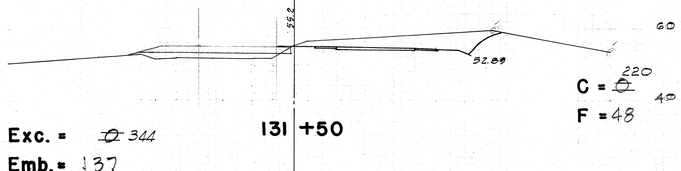
Exc. = ~~50~~ 511
Emb. = 0



C = ~~4~~ 276
F = 0

132 +00

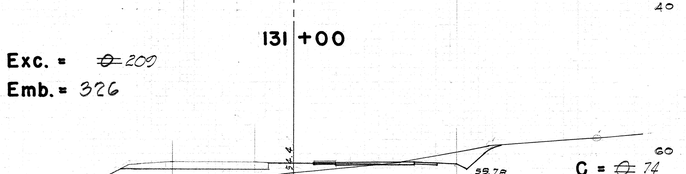
Exc. = ~~4~~ 459
Emb. = 44



C = ~~0~~ 220
F = 48

131 +50

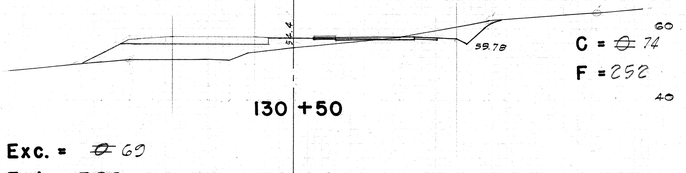
Exc. = ~~0~~ 344
Emb. = 137



C = ~~0~~ 152
F = 100

131 +00

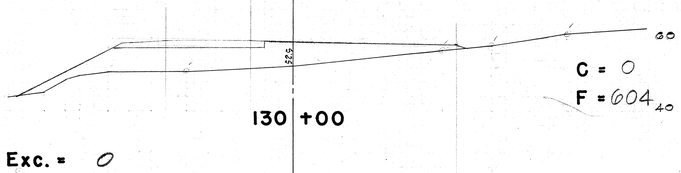
Exc. = ~~0~~ 209
Emb. = 326



C = ~~0~~ 74
F = 252

130 +50

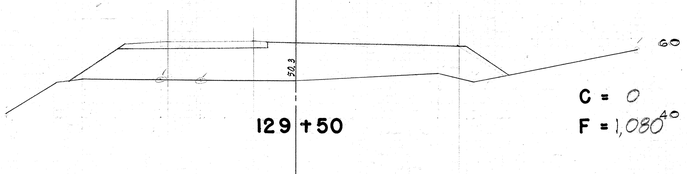
Exc. = ~~0~~ 69
Emb. = 793



C = 0
F = 604

130 +00

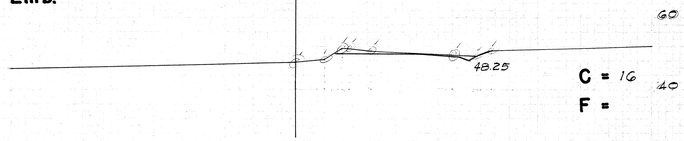
Exc. = 0
Emb. = 1,559



C = 0
F = 1,080

129 +50

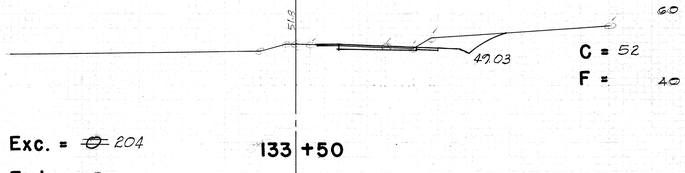
Exc. = 15
Emb. =



C = 16
F =

Exc. = ~~0~~ 63
Emb. = 0

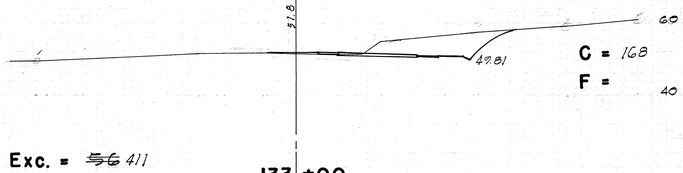
134 +00



C = 52
F =

Exc. = ~~0~~ 204
Emb. = 0

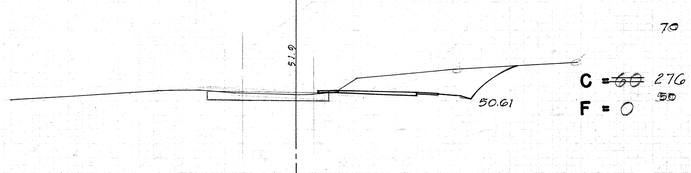
133 +50



C = 168
F =

Exc. = ~~56~~ 411
Emb. = 0

133 +00



C = ~~60~~ 276
F = 0

132 +50