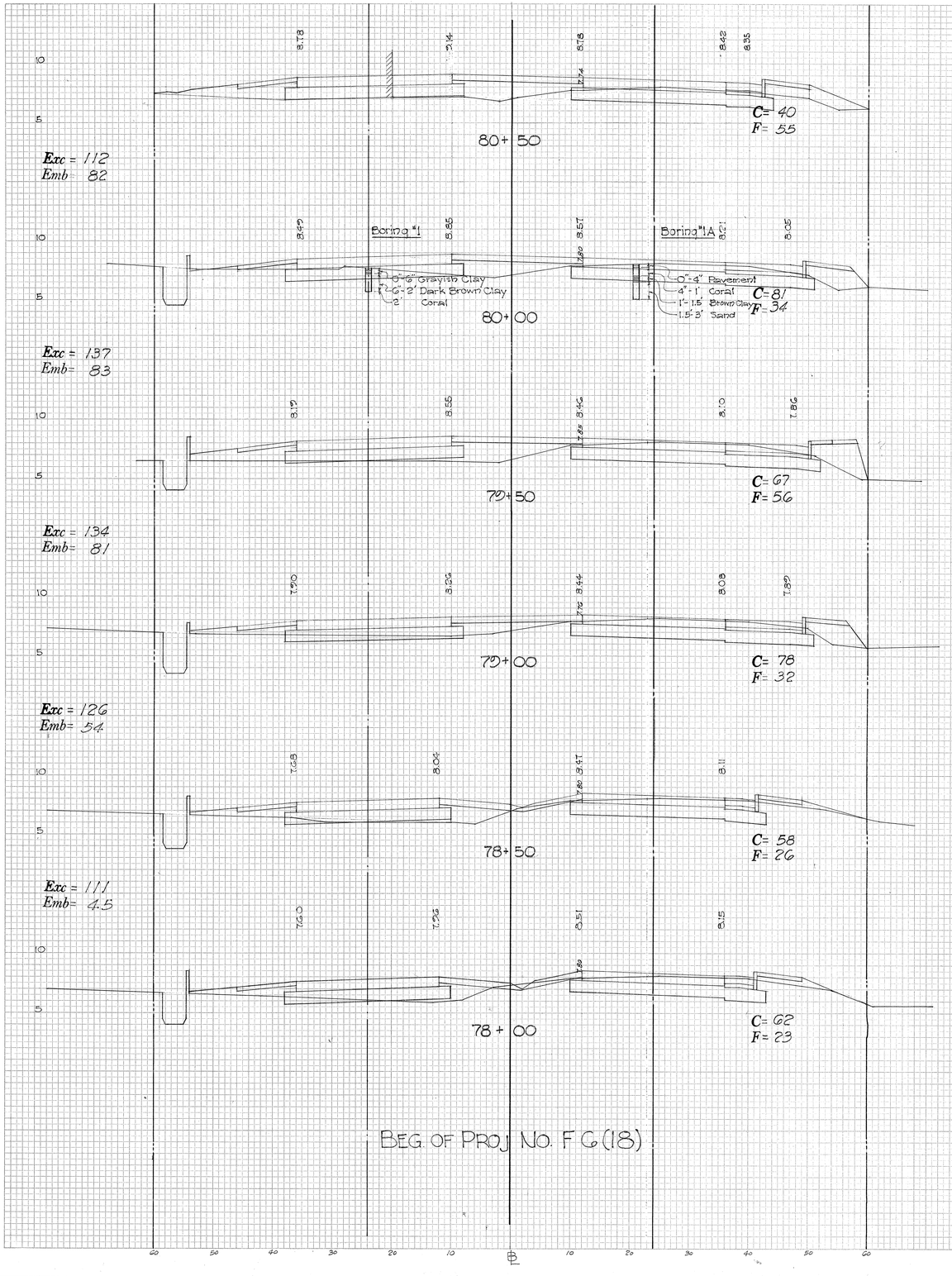
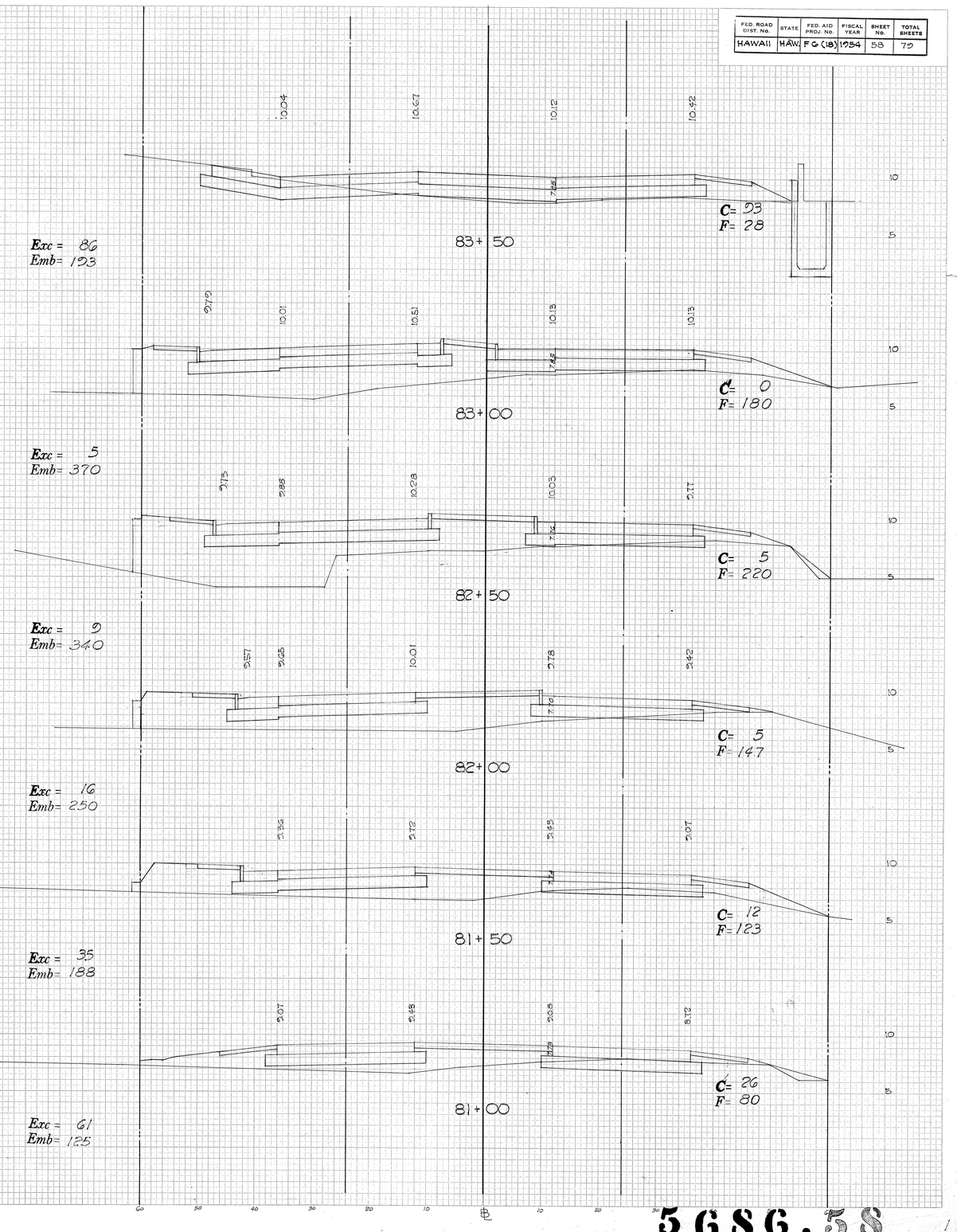
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F G (18)	1954	58	70

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 ____





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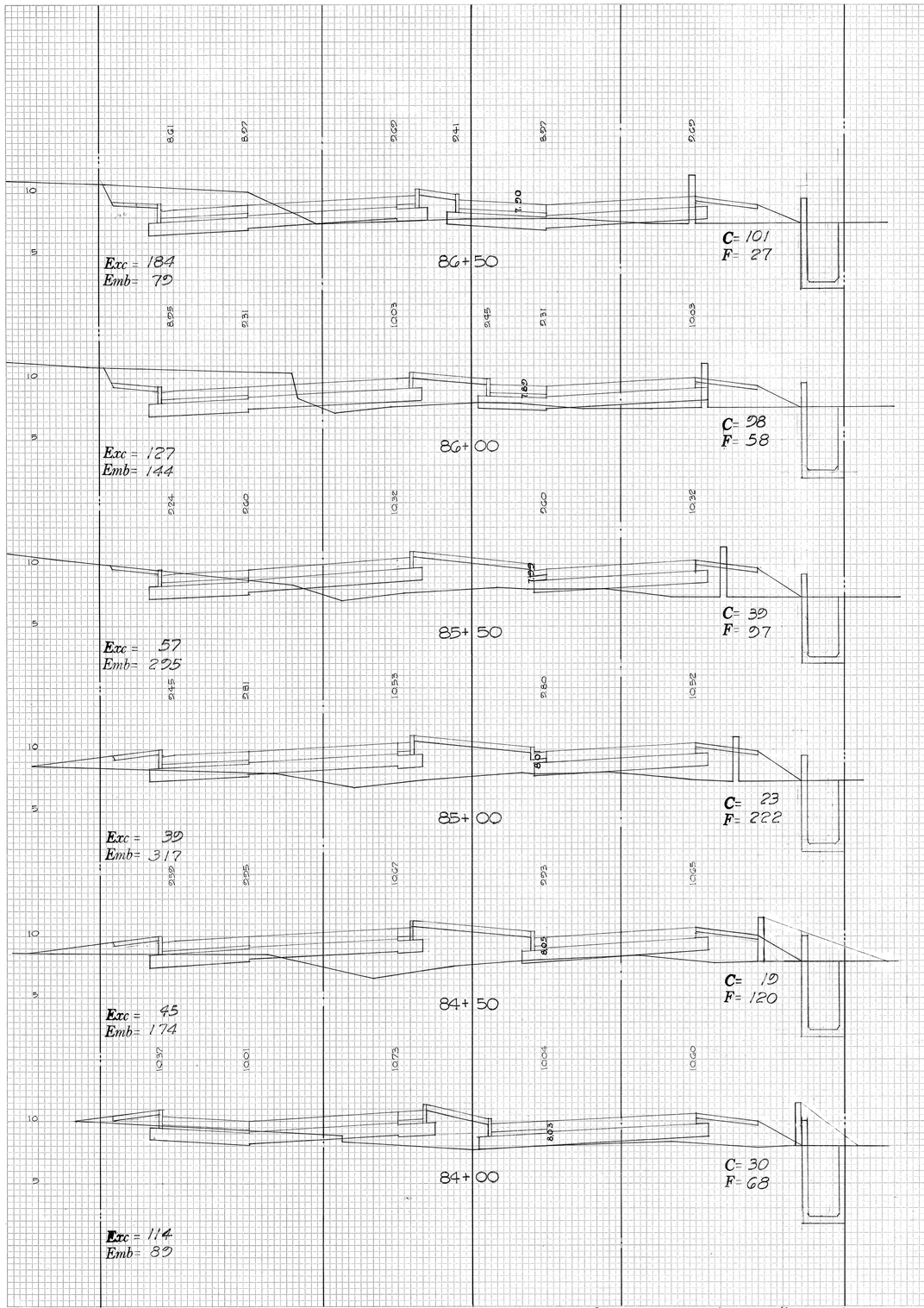
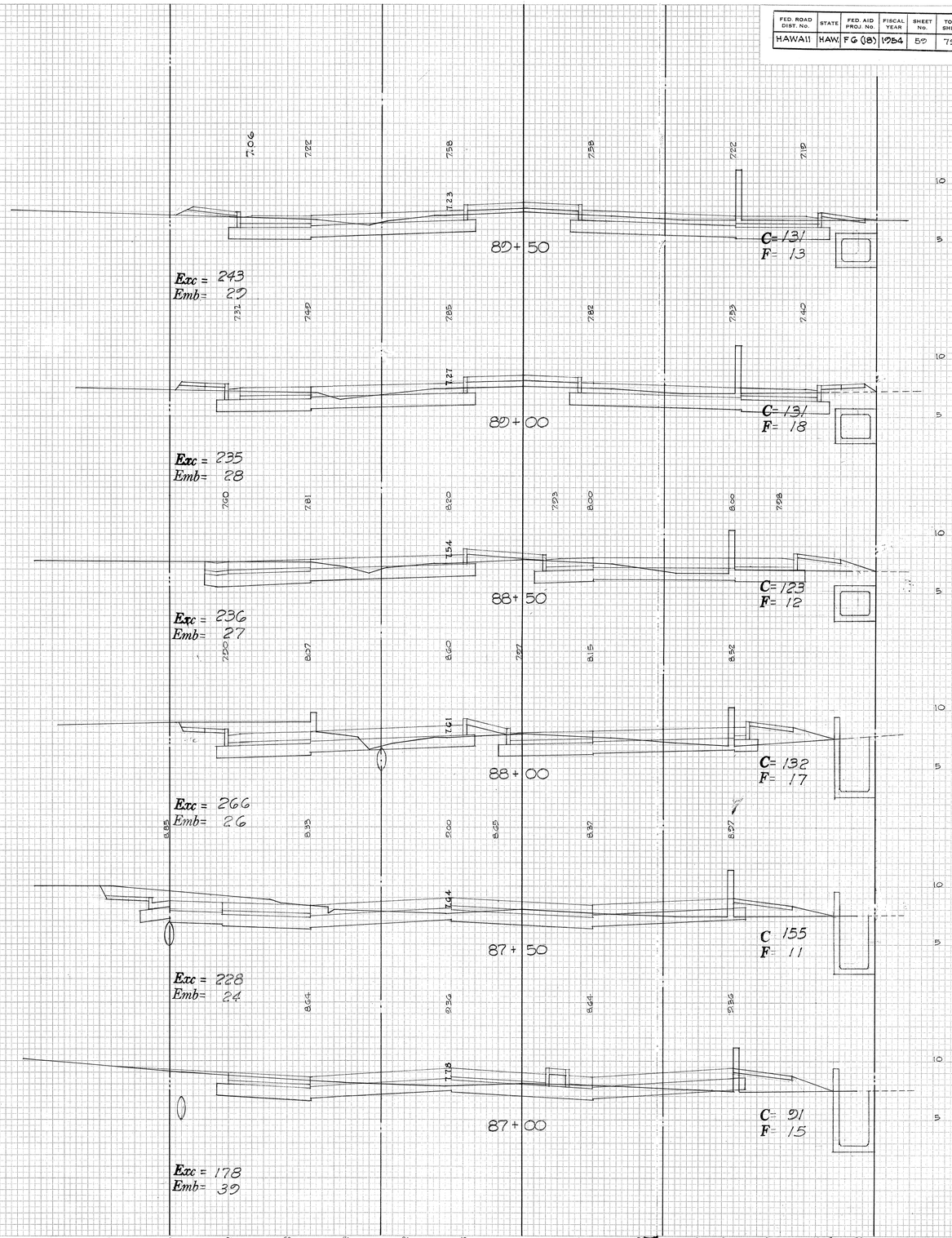
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	FG (18)	1984	59	79

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





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J. ROAD PT. No.	STATE	FED. AID PROJ. No.	FISCAL YE. IR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F G (18)	1954	60	72

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

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

Exc = 334
Emb = 13

91+50

C = 164
F = 5

Exc = 342
Emb = 9

91+00

C = 205
F = 5

Exc = 349
Emb = 7

Boring # 2
0'-1' Red Soil
1'- Coral

90+50

C = 172
F = 2

Exc = 290
Emb = 7

90+00

C = 141
F = 5

Exc = 252
Emb = 17

Exc = 351
Emb = 10

92+00

C = 215
F = 6

Exc = 342
Emb = 13

92+50

C = 146
F = 8

Exc = 17
Emb = 118

95+00

C = 8
F = 67

Exc = 25
Emb = 114

95+50

C = 10
F = 60

Exc = 51
Emb = 97

94+50

C = 19
F = 56

Exc = 94
Emb = 73

94+00

C = 36
F = 49

Exc = 148
Emb = 49

93+50

C = 66
F = 30

Exc = 228
Emb = 29

93+00

C = 94
F = 23

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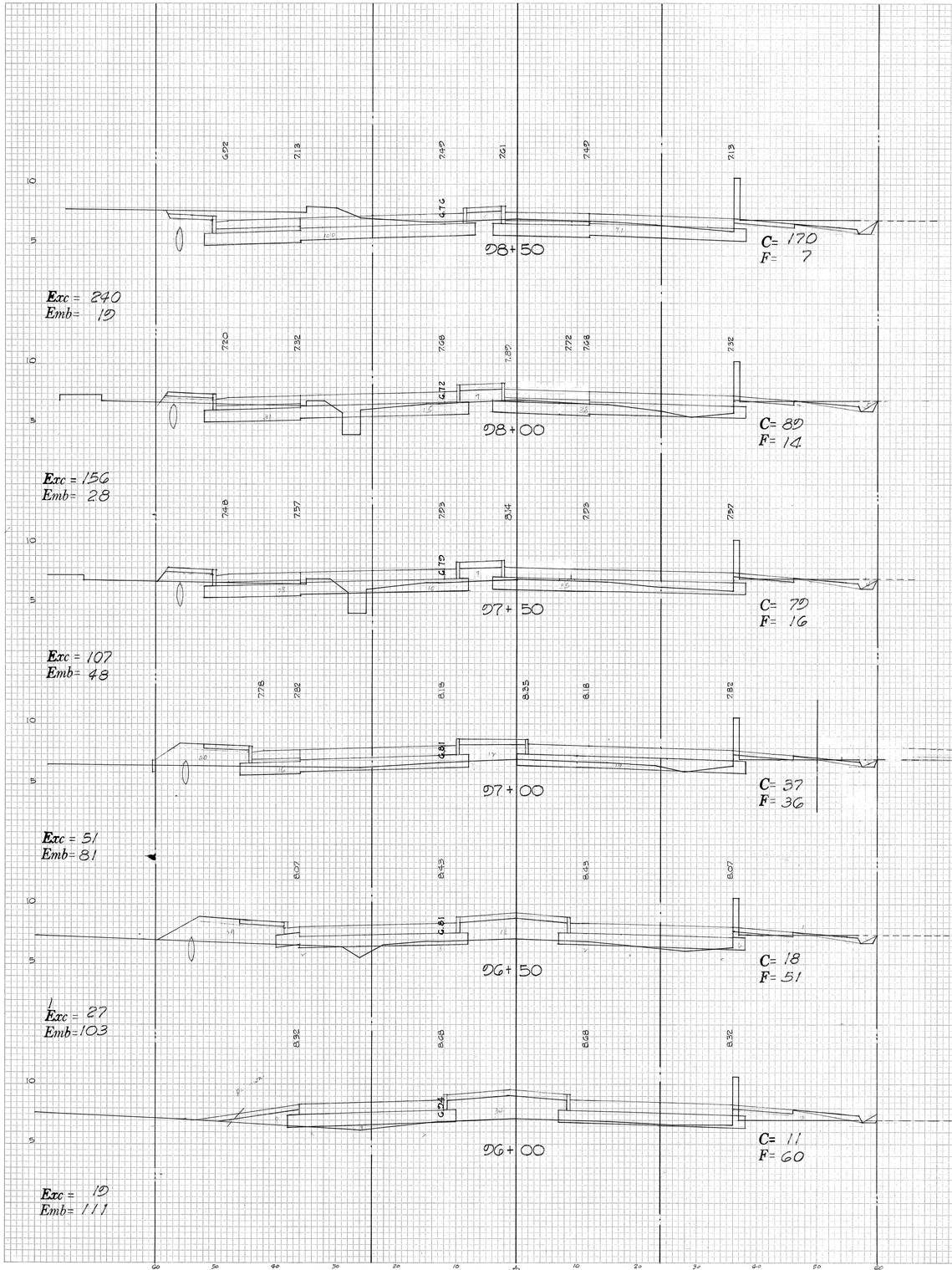
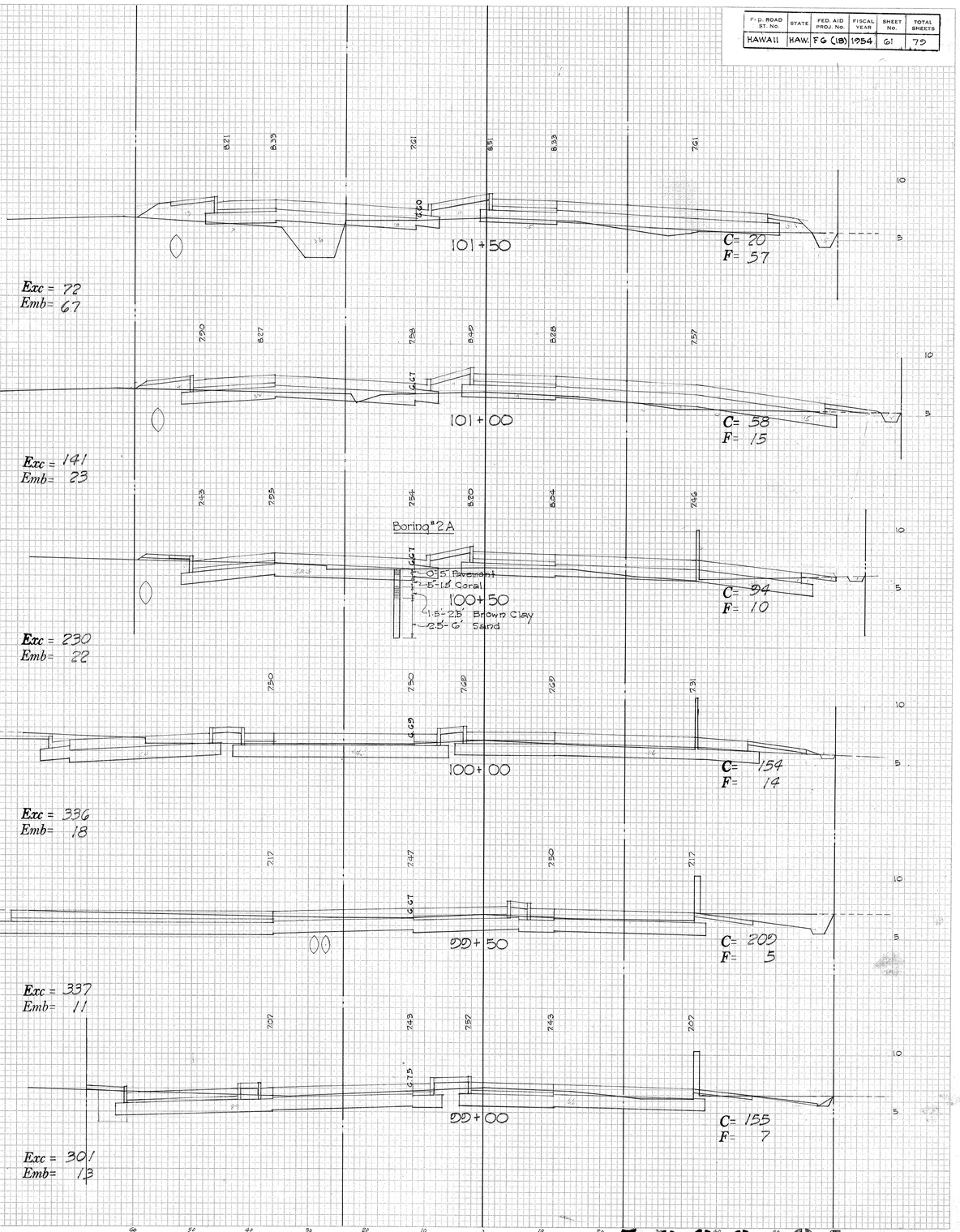
F.A.P. ROAD ST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-G (18)	1954	61	72

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





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FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YR. No.	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	FG (18)	1954	62	70

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

104+50
Exc = 27
Emb= 129
C= 58
F= 80

104+00
Exc = 90
Emb= 122
C= 47
F= 39

103+50
Exc = 81
Emb= 134
C= 50
F= 73

103+00
Exc = 59
Emb= 140
Boring #3
0'-1' Brown Sand & Clay
1'-3.5' Brown Moist Clay
3.5' Water Table
C= 37
F= 72

102+50
Exc = 40
Emb= 151
C= 27
F= 79

102+00
Exc = 33
Emb= 131
C= 16
F= 84

107+50
Exc = 44
Emb= 46
C= 27
F= 20

107+00
Exc = 19
Emb= 96
Boring #4
C= 20
F= 30
0'-4' Brown Soil
4'-10' Reddish soil
10'-25' Sandy Clay
25' Loose Coral

106+50
Exc = 21
Emb=102
C= 1
F= 74

106+00
Exc = 80
Emb= 90
C= 22
F= 36

105+50
Exc = 125
Emb= 107
C= 64
F= 61

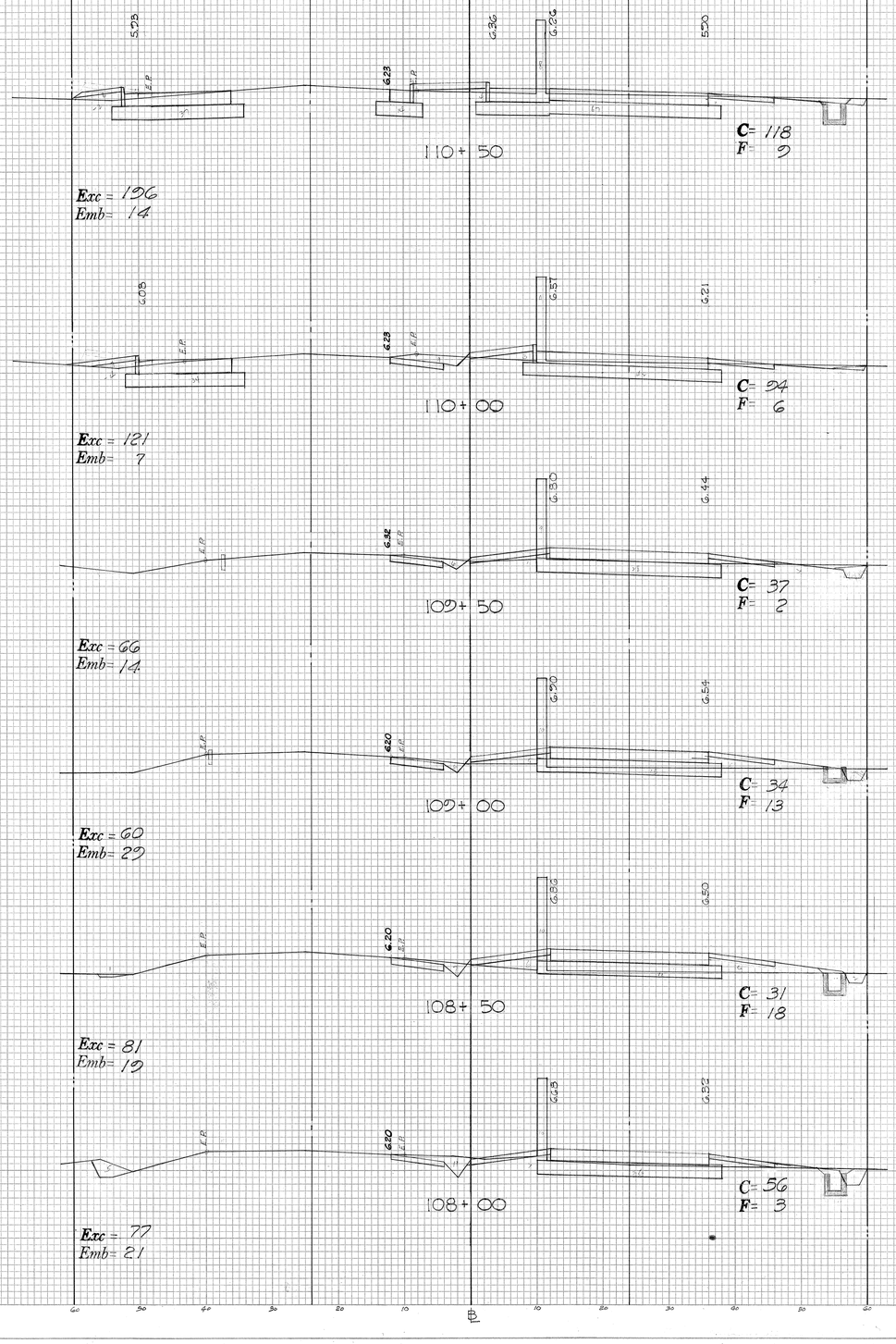
105+00
Exc = 115
Emb= 125
C= 71
F= 55

5GSG.62

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	FG(18)	1954	63	72

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

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



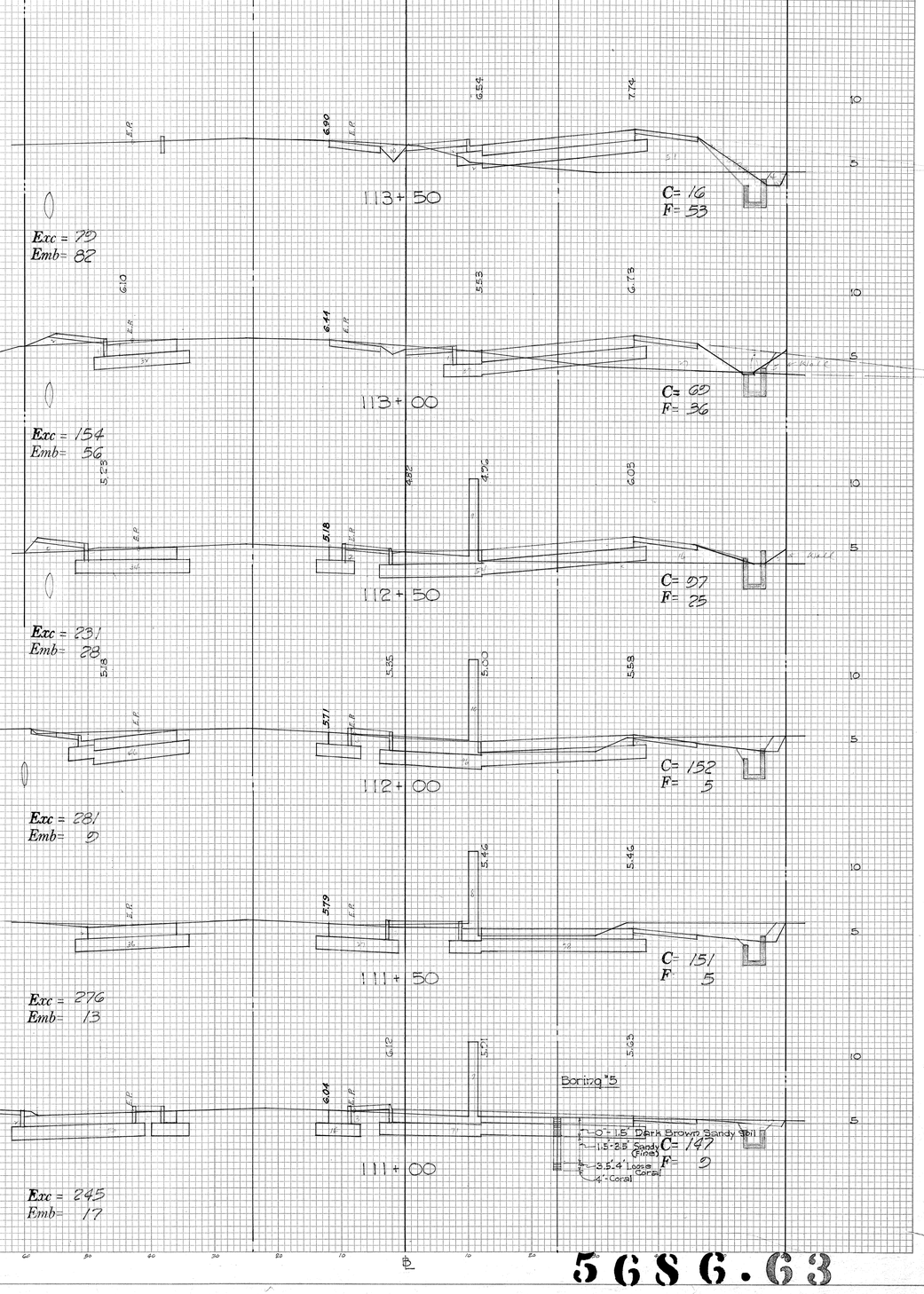


PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

K & E CO. No. 345-3 MADE IN U.S.A. 20334

5686.63

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	FG(18)	1954	64	75

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

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

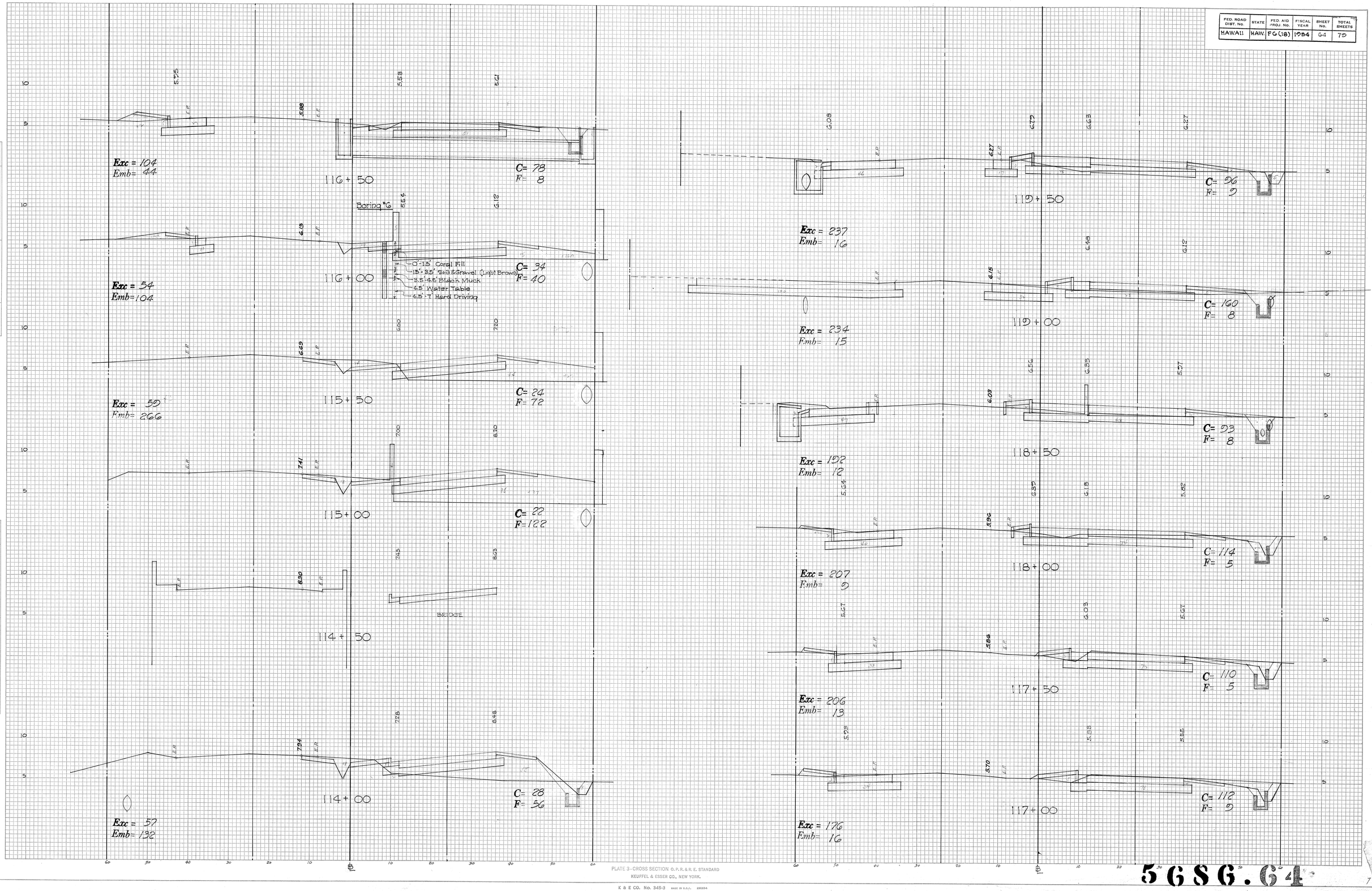


PLATE 3 - CROSS SECTION O.P.R. & R.E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

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FED. ROAD DIST. No.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	FG(18)	1954	65	75

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

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

122+50
Exc = 48
Emb = 135
C = 41
F = 89

122+00
Exc = 19
Emb = 81
C = 11
F = 57

121+50
Exc = 35
Emb = 59
C = 10
F = 30

121+00
Exc = 77
Emb = 57
C = 28
F = 34

120+50
Exc = 101
Emb = 50
C = 55
F = 28

120+00
Exc = 139
Emb = 32
C = 54
F = 26
Boring #1
0-2' Soil & Gravel (Light Brown)
2-4' Sand (Hard)
4' Water
4' Coral

125+50
Exc = 77
Emb = 100
C = 47
F = 36

125+00
Exc = 69
Emb = 124
C = 36
F = 72

124+50
Exc = 71
Emb = 104
C = 39
F = 62
Boring #8
0-1' Brown Soil
1-4' Fine Sand
4' Water & Coral

124+00
Exc = 43
Emb = 88
C = 38
F = 50

123+50
Exc = 20
Emb = 118
C = 8
F = 45

123+00
Exc = 51
Emb = 158
C = 14
F = 82

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

K & E CO. No. 345-3 MADE IN U.S.A. 28334

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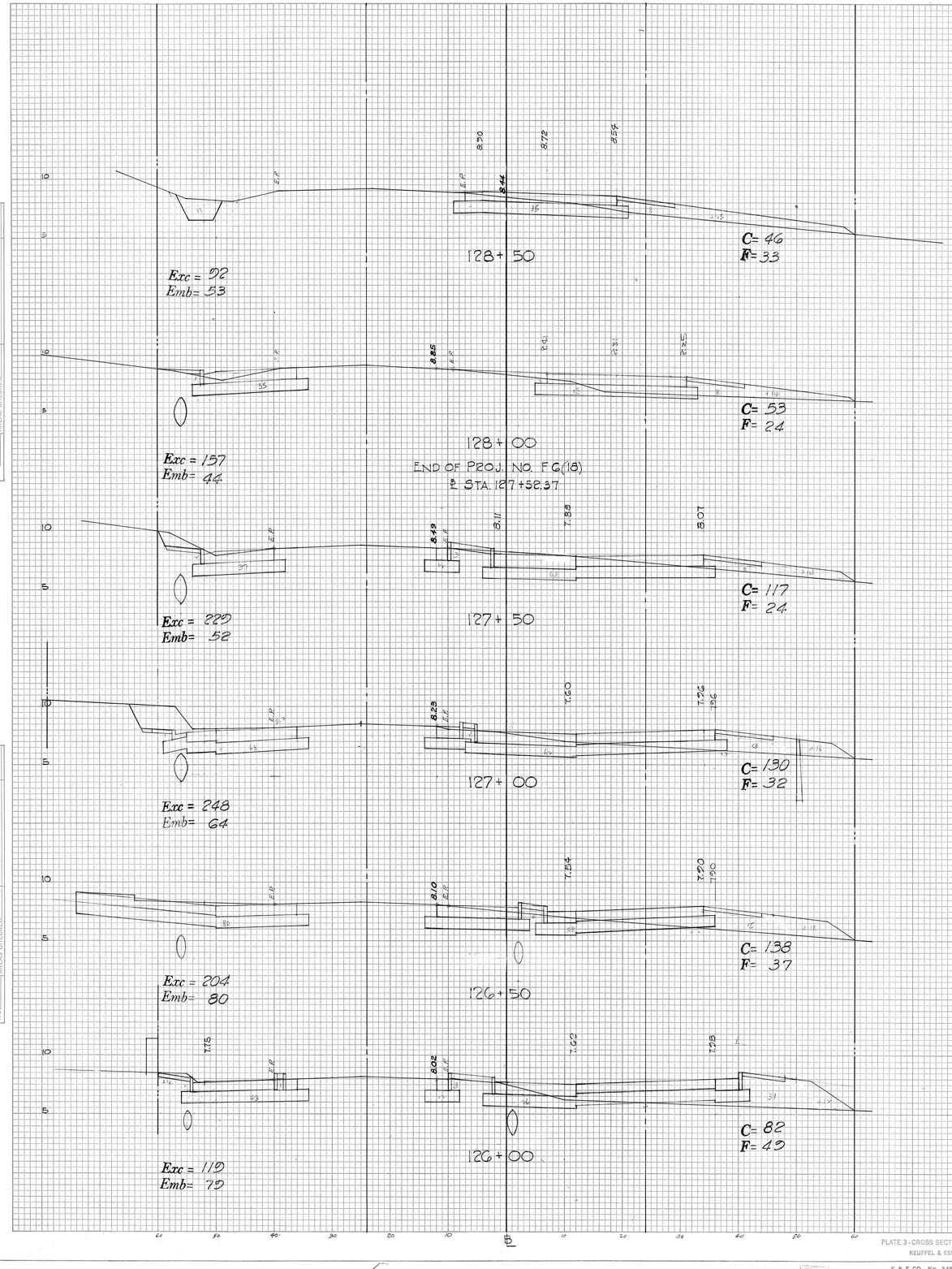
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F G(18)	1954	66	73

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

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



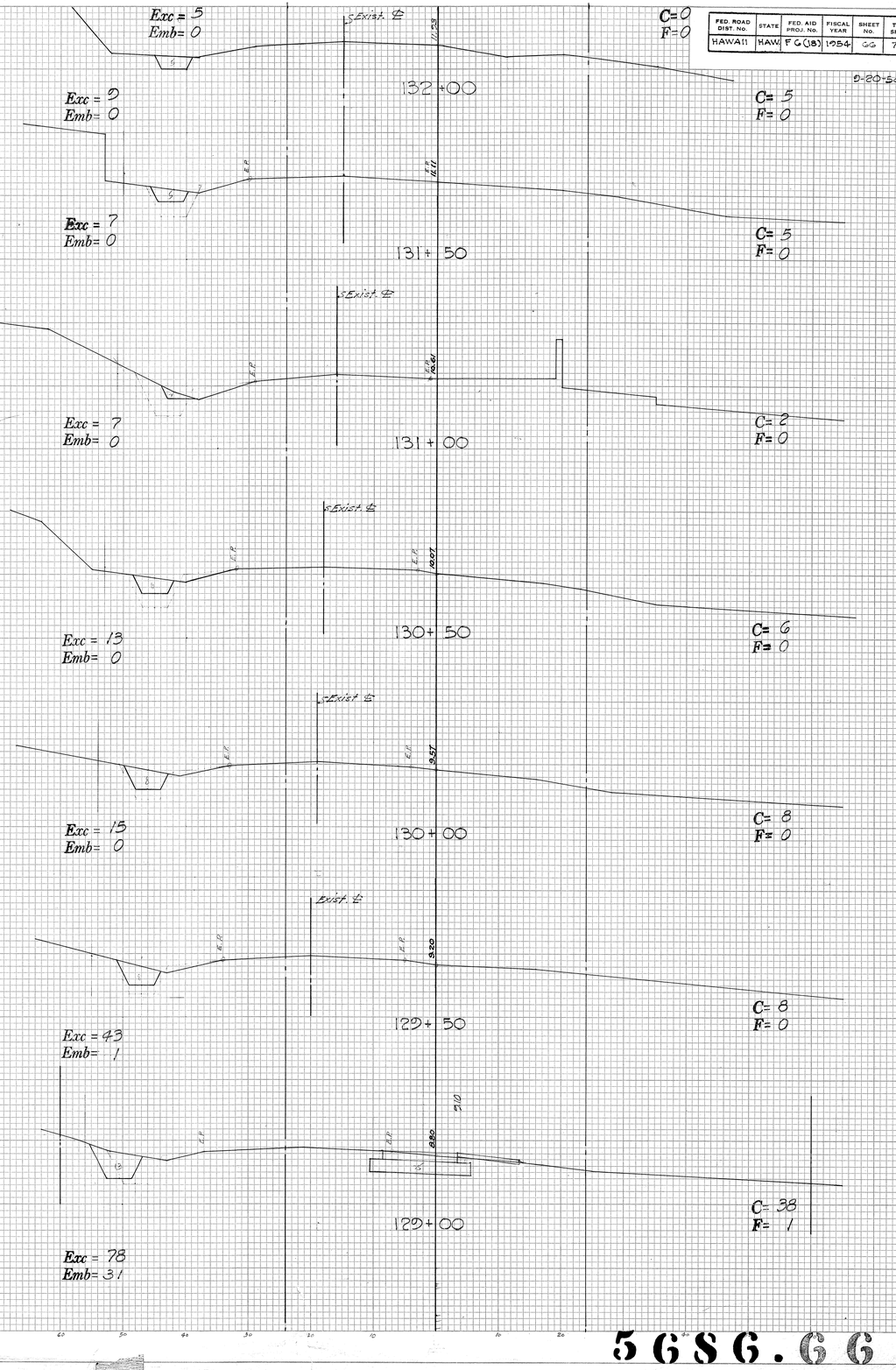


PLATE 3 - CROSS SECTION O.P.R.&R.E. STANDARD

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