FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-030-1(7)	1962	21	127

77 +50
Exc = 0
Emb = 0
C = 0
F = 0

77 +00
Exc = 0
Emb = 0
C = 0
F = 0

76 +50
Exc = 0
Emb = 0
C = 0
F = 0

76 +00
Exc = 0
Emb = 0
C = 0
F = 0

75 +50
Exc = 0
Emb = 0
C = 0
F = 0

75 +00
Exc = 0
Emb = 0
C = 0
F = 0

74 +50
Exc = 0
Emb = 0
C = 0
F = 0

74 +00
Exc = 0
Emb = 0
C = 0
F = 0

73 +50
Exc = 0
Emb = 0
C = 0
F = 0

82 +00
Exc = 44
Emb = 0
C = 27
F = 0

81 +50
Exc = 36
Emb = 0
C = 25
F = 0

81 +00
Exc = 36
Emb = 0
C = 19
F = 0

80 +50
Exc = 34
Emb = 0
C = 20
F = 0

80 +00
Exc = 16
Emb = 0
C = 17
F = 0

79 +50
Exc = 0
Emb = 0
C = 0
F = 0

79 +00
Exc = 0
Emb = 0
C = 0
F = 0

78 +50
Exc = 0
Emb = 0
C = 0
F = 0

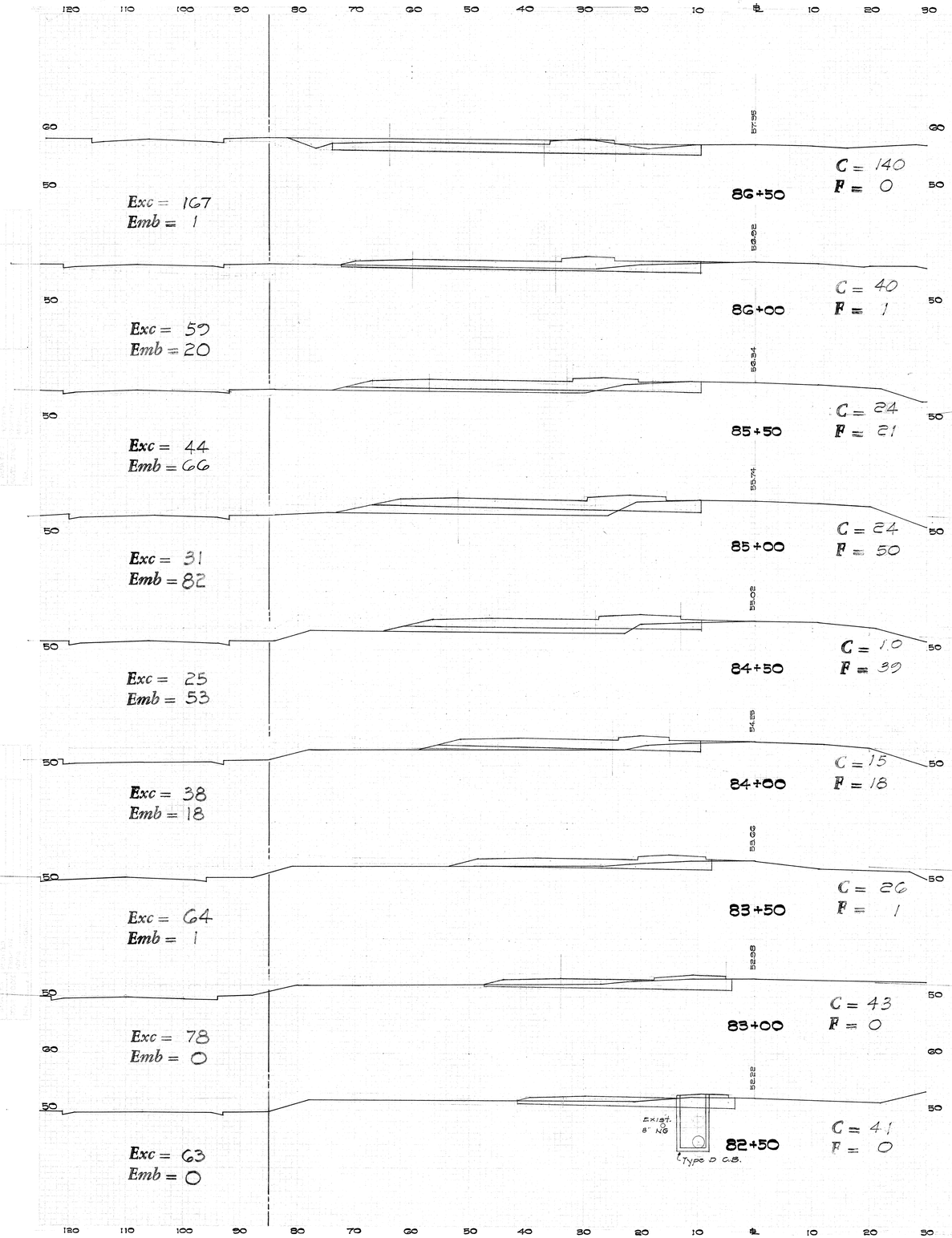
78 +00
Exc = 0
Emb = 0
C = 0
F = 0

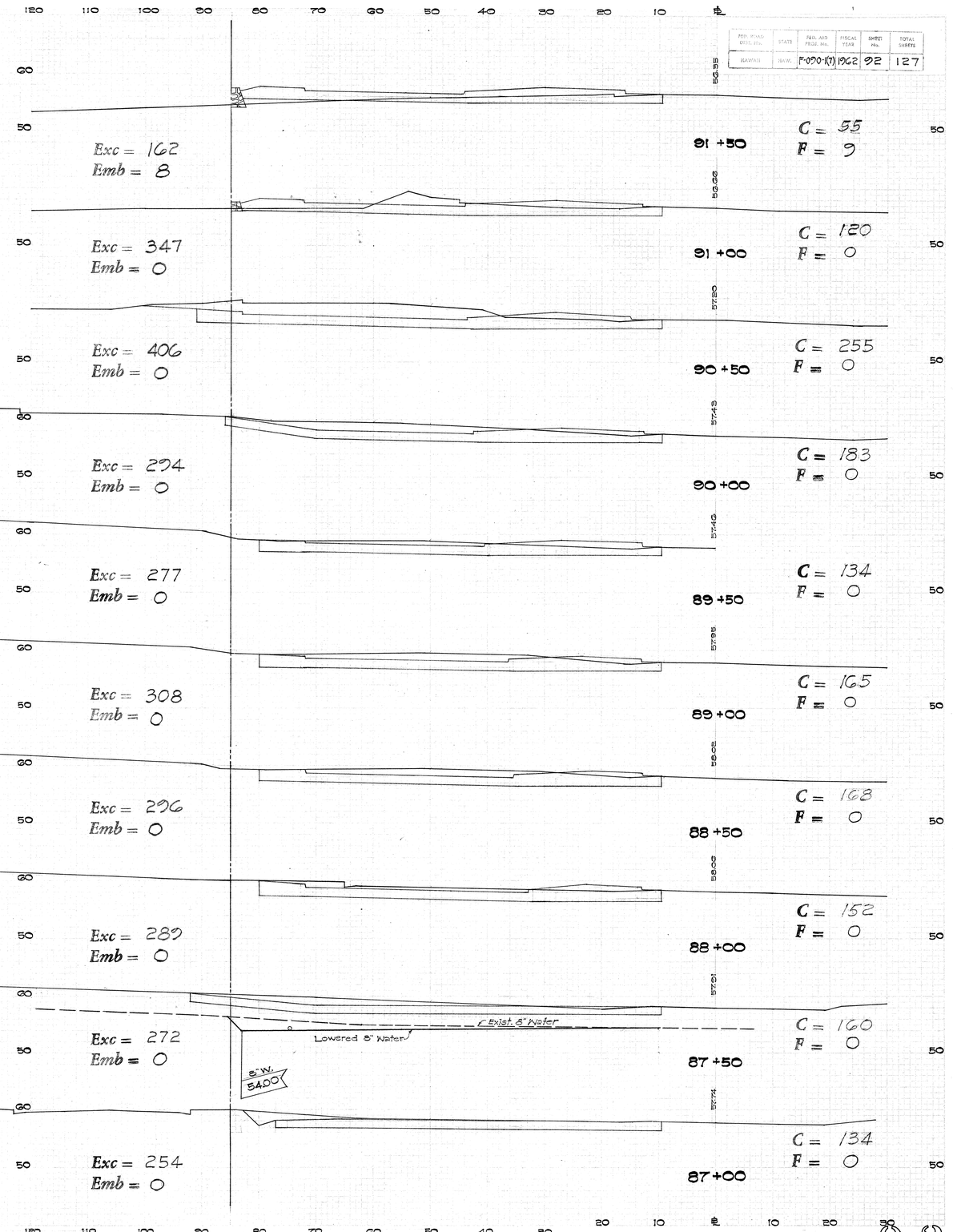
24" CMP

EXIST 8" CMP

9 1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-020-1(7)	1962	92	127





TITLE ROAD DIST. NO.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-050-1(7)	1962	93	127

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

10 cu. mile Dry Dock is (Yard)

96+50 — Elev. 53.20
Exc = 8
Emb = 286
C = 3
F = 99

96+00 — Elev. 53.45
Exc = 14
Emb = 361
C = 6
F = 210

95+50 — Elev. 53.76
Exc = 20
Emb = 299
C = 9
F = 180

95+00 — Elev. 54.11
Exc = 46
Emb = 281
C = 13
F = 143

94+50 — Elev. 54.58
Exc = 72
Emb = 240
C = 37
F = 161

94+00 — Elev. 54.60
Exc = 69
Emb = 164
C = 41
F = 98

93+50 — Elev. 54.99
Exc = 76
Emb = 107
C = 33
F = 79

93+00 — Elev. 55.36
Exc = 83
Emb = 67
C = 49
F = 37

92+50 — Elev. 55.74
Exc = 72
Emb = 67
C = 41
F = 35

92+00 — Elev. 56.03
Exc = 85
Emb = 43
C = 37
F = 37

100+00 — Elev. 51.60
Exc = 435
Emb = 0
C = 232
F = 0

99+50 — Elev. 51.70
Exc = 394
Emb = 0
C = 238
F = 0

99+00 — Elev. 51.71
Exc = 310
Emb = 0
C = 187
F = 0

98+50 — Elev. 51.96
Exc = 128
Emb = 0
C = 148
F = 0

98+00 — Elev. 52.21
Exc = 92
Emb = 11
C = 66
F = 0

97+50 — Elev. 52.54
Exc = 39
Emb = 44
C = 33
F = 12

97+00 — Elev. 52.76
Exc = 11
Emb = 125
C = 19
F = 36

t.H.T. Duct
24" Culv.
Exist. 8" N.G.

PLATE CROSS SECTION, G.P.N. & F. STANDARDS
100% RAG PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

93

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-090-1(7)	1962	24	127

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

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

103 + 00

Exc = 0
Emb = 0

51.12

C = 267
F = 0

102 + 50

Exc = 384
Emb = 0

51.40

H.T. MH

℄ H.T.

C = 148
F = 0

102 + 00

Exc = 281
Emb = 0

51.44

C = 155
F = 0

101 + 50

Exc = 259
Emb = 0

51.44

GR.

C = 125
F = 0

101 + 00

Exc = 236
Emb = 0

51.48

GR

C = 130
F = 0

100 + 50

Exc = 280
Emb = 0

51.48

C = 172
F = 0

Exc = 374
Emb = 0

104 + 50

1038

C = 232
F = 0

Exc = 215
Emb = 0

104 + 00

1044

103 + 50

1044

BRIDGE SECTION

PLATE CROSS SECTION C. P. R. A. STANDARD
1001 RAG PAPER - MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

94

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-020-1(7)	1962	95	127

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

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

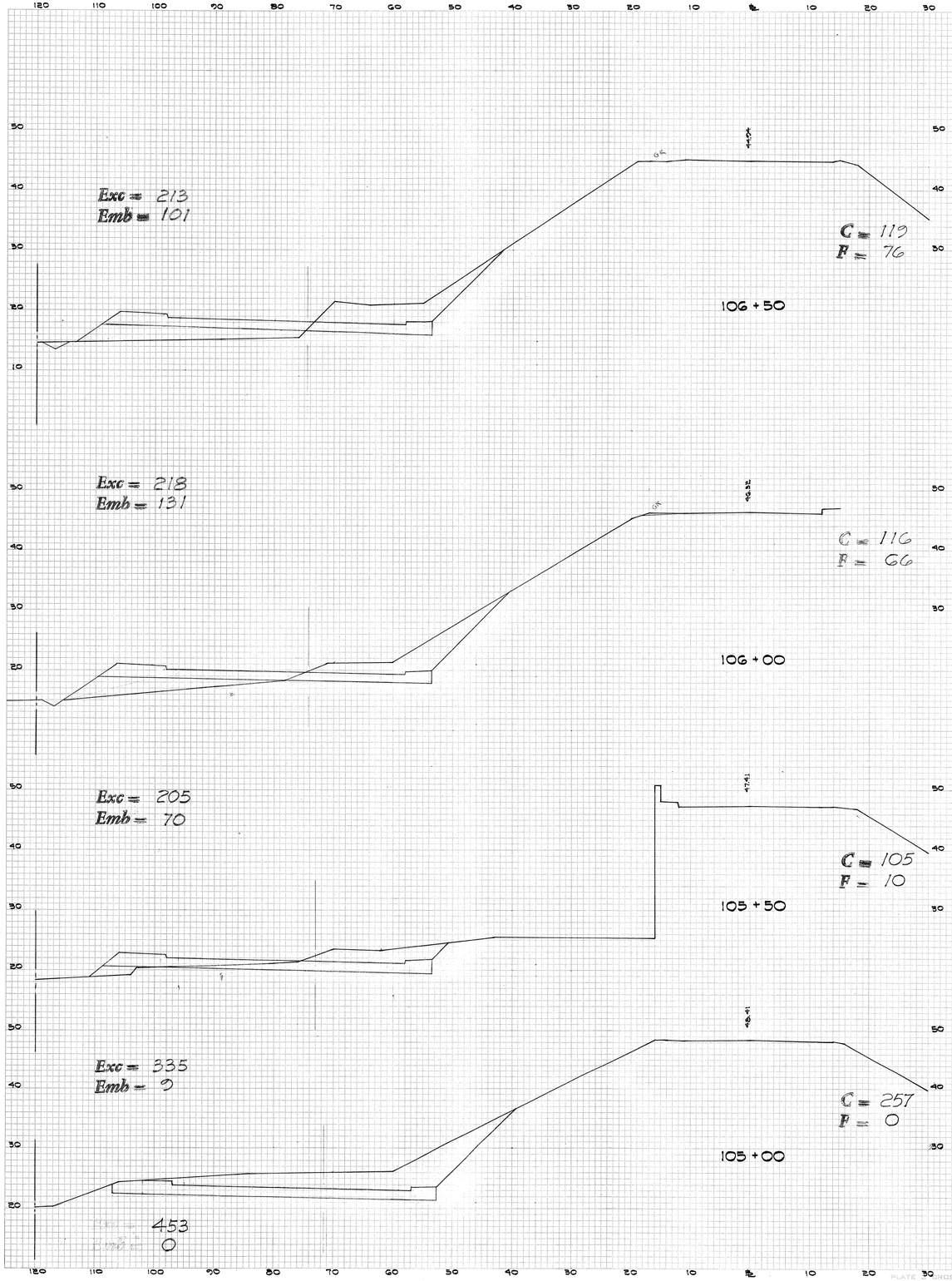


PLATE CROSS SECTION O. P. R. & R. STANDARD
100 RAG PAPER-MADE AND PRINTED IN U. S. A.
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95

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-070-1(7)	1962	96	127

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

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

112 +50 — 19.36 — C = 178, F = 0 — Exc = 328, Emb = 0

112 +00 — 21.51 — C = 176, F = 0 — Exc = 432, Emb = 0

111 +50 — 23.03 — C = 291, F = 0 — Exc = 567, Emb = 0 — 24" CULVERT

111 +00 — 25.09 — C = 321, F = 0 — Exc = 621, Emb = 0 — G"W 8.00 — G"W 9.20

110 +50 — 28.52 — C = 350, F = 0 — Exc = 513, Emb = 3

110 +00 — 30.00 — C = 204, F = 3 — Exc = 319, Emb = 56 — 24" Culvert

109 +50 — 32.60 — C = 141, F = 57

116 +00 — 12.10 — C = 81, F = 0 — Exc = 163, Emb = 0

115 +50 — 12.11 — C = 95, F = 0 — Exc = 194, Emb = 0

115 +00 — 12.07 — C = 114, F = 0 — Exc = 263, Emb = 0

114 +50 — 13.05 — C = 170, F = 0 — Exc = 283, Emb = 0 — CONCRETE SWALE — EASY RISING CONNECTION — C.H.T. — 10' N.G.

114 +00 — 14.21 — C = 136, F = 0 — Exc = 306, Emb = 0 — 24" Culvert

113 +50 — 15.70 — C = 134, F = 0 — Exc = 343, Emb = 0

113 +00 — 17.40 — C = 176, F = 0 — Exc = 328, Emb = 0

PLATE CROSS SECTION U. P. R. S. STANDARD
1961 KAO PAPER MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

96

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
	HAWAII	F-020-1(7)	1962	27	127

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

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

B/W

119 +50
Exc = 302
Emb = 1
C = 147
F = 1

119 +00
Exc = 315
Emb = 0
C = 179
F = 0

118 +50
Exc = 416
Emb = 0
C = 161
F = 0

118 +00
Exc = 347
Emb = 0
C = 288
F = 0

BRIDGE

117 +50
Exc = 183
Emb = 0
C = 87
F = 0

117 +00
Exc = 197
Emb = 0
C = 111
F = 0

116 +50
Exc = 163
Emb = 0
C = 102
F = 0

123 +00
Exc = 206
Emb = 1
C = 145
F = 0

122 +50
Exc = 152
Emb = 2
C = 78
F = 1

122 +00
Exc = 170
Emb = 2
C = 86
F = 1

121 +50
Exc = 257
Emb = 2
C = 98
F = 1

121 +00
Exc = 304
Emb = 2
C = 180
F = 1

120 +50
Exc = 269
Emb = 2
C = 148
F = 1

120 +00
Exc = 269
Emb = 2
C = 144
F = 1

Note: Pavement grades on outbound lanes from Sta. 120+50 to 130+00 has been revised. See Pavement Grade Plan, Sheet No. 13.

PLATE CROSS SECTION G. P. R. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.
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97

FED. ROAD CLASS. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-090-1(17)	1962	98	127

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

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

126 +50
C = 168
F = 0
Exc = 335
Emb = 0

126 +00
C = 194
F = 0
Exc = 360
Emb = 0

125 +50
C = 195
F = 0
Exc = 356
Emb = 0

125 +00
C = 190
F = 0
Exc = 317
Emb = 0
8"W 2.00
8"W 1.50

124 +50
C = 152
F = 0
Exc = 221
Emb = 0

124 +00
C = 87
F = 0
(7'x1' BOX CULV.
CURB & G.
Exc = 204
Emb = 2

123 +50
C = 133
F = 2
Exc = 257
Emb = 2

130 +00
C = 101
F = 0
Exc = 214
Emb = 0

129 +50
C = 130
F = 0
Exc = 254
Emb = 0

129 +00
C = 144
F = 0
Exc = 263
Emb = 0

128 +50
C = 140
F = 0
Exc = 276
Emb = 0

128 +00
C = 158
F = 0
Exc = 292
Emb = 0

127 +50
C = 157
F = 0
Exc = 292
Emb = 0

127 +00
C = 158
F = 0
Exc = 302
Emb = 0

Note: Pavement grades on outbound lanes from Sta. 120 + 50 to 130 + 00 has been revised. See Pavement Grade Plan, Sheet No. 13.

PLATE 1008S SECTION D, P. R. STANDARDS
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98

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-020-1(7)	1962	99	127

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

Note: Pavement grades on outbound lanes from Sta. 138+50 to 147+50 has been revised. See Pavement Grade Plan, Sheet Nos. 13 and 14.

Station	Exc	Emb	C	F
135+00	64	18	32	8
134+50	57	47	37	11
134+00	46	79	25	40
133+50	44	100	25	45
133+00	40	104	23	63
132+50	38	78	20	49
132+00	44	39	21	35
131+50	66	9	26	7
131+00	118	2	45	3
130+50	169	0	82	0
130+00	98	16	60	6
129+50	99	27	46	11
129+00	56	17	61	18
138+50	BRIDGE SECTION			
138+00	81	0	87	0
137+50	137	0	61	0
137+00	105	0	52	0
136+50	87	2	42	2
136+00	74	10	38	9
135+50	65	16		

PLATE CROSS SECTION O. P. R. STANDARDS
100% RAG PAPER MADE AND PRINTED IN U. S. A.
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FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	F-090-1(7)1962	100	127	

144 +50 — C = 70, F = 5 — Exc = 147, Emb = 5

144 +00 — C = 89, F = 0 — Exc = 174, Emb = 0

143 +50 — C = 99, F = 0 — Exc = 194, Emb = 0

143 +00 — C = 111, F = 0 — Exc = 177, Emb = 3

142 +50 — C = 80, F = 3 — Exc = 184, Emb = 5

142 +00 — C = 119, F = 2 — Exc = 216, Emb = 4

Point of Beg.

141 +50 — C = 114, F = 2 — Exc = 182, Emb = 4

141 +00 — C = 83, F = 2 — Exc = 162, Emb = 2

140 +50 — C = 92, F = 0 — Exc = 140, Emb = 1

140 +00 — C = 59, F = 1 — Exc = 110, Emb = 7

Note: Pavement grades on outbound lanes from Sta. 138+50 to 147+50 has been revised. See Pavement Grade Plan, Sheet Nos. 13 and 14.

149 +00 — C = 73, F = 0 — Exc = 138, Emb = 0

148 +50 — C = 72, F = 0 — Exc = 134, Emb = 0

148 +00 — C = 60, F = 0 — Exc = 122, Emb = 0

147 +50 — C = 72, F = 0 — Exc = 122, Emb = 0

147 +00 — C = 71, F = 0 — Exc = 132, Emb = 0

146 +50 — C = 36, F = 15 — Exc = 99, Emb = 14

146 +00 — C = 39, F = 15 — Exc = 60, Emb = 28

145 +50 — C = 31, F = 16 — Exc = 65, Emb = 29

145 +00 — C = 51, F = 9 — Exc = 76, Emb = 23

Exc = 112, Emb = 13

PLATE 30 CROSS SECTION C. P. R. R. STANDARD

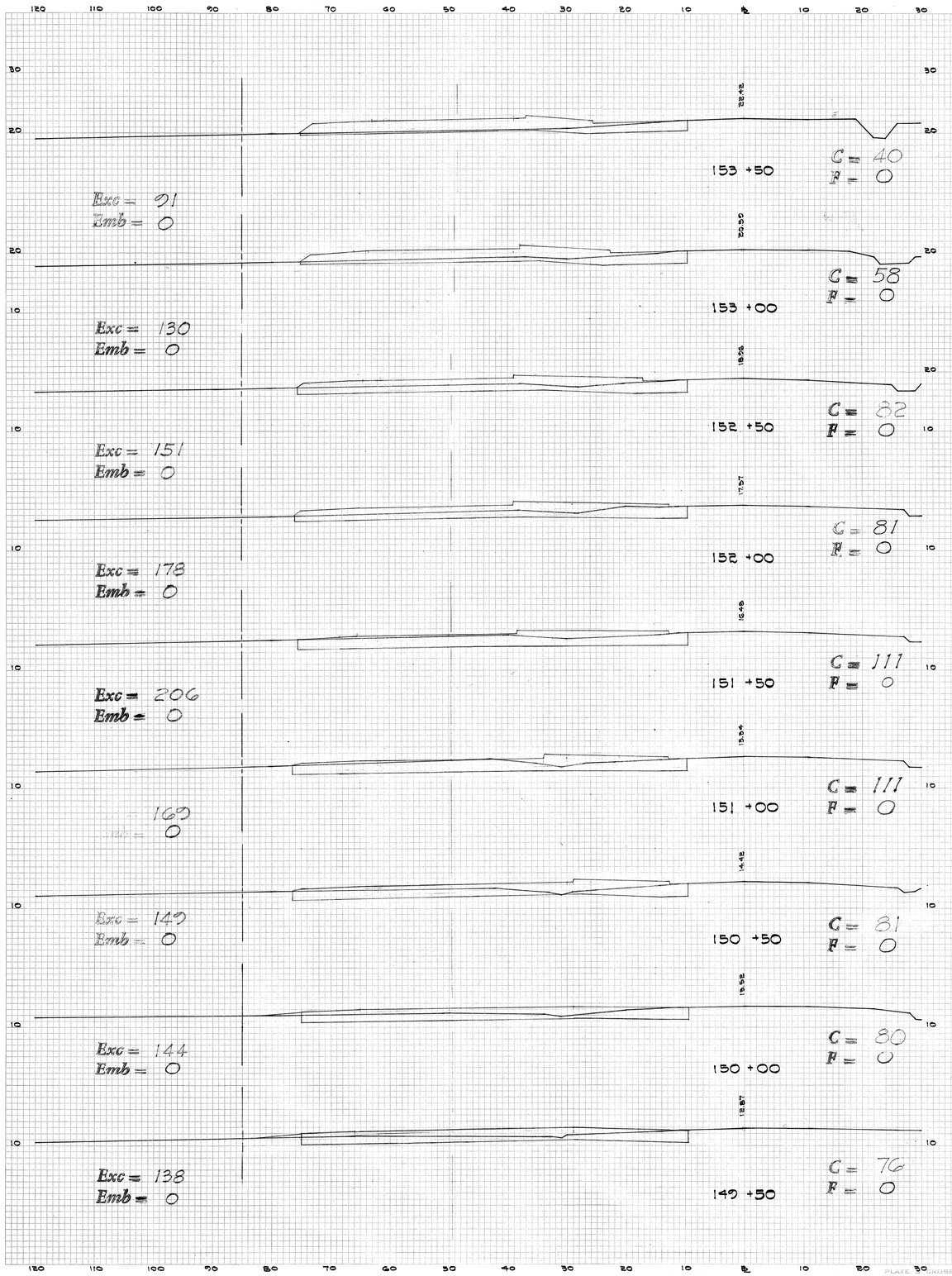
100

1907 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-020-1(7)	1962	101	127

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

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



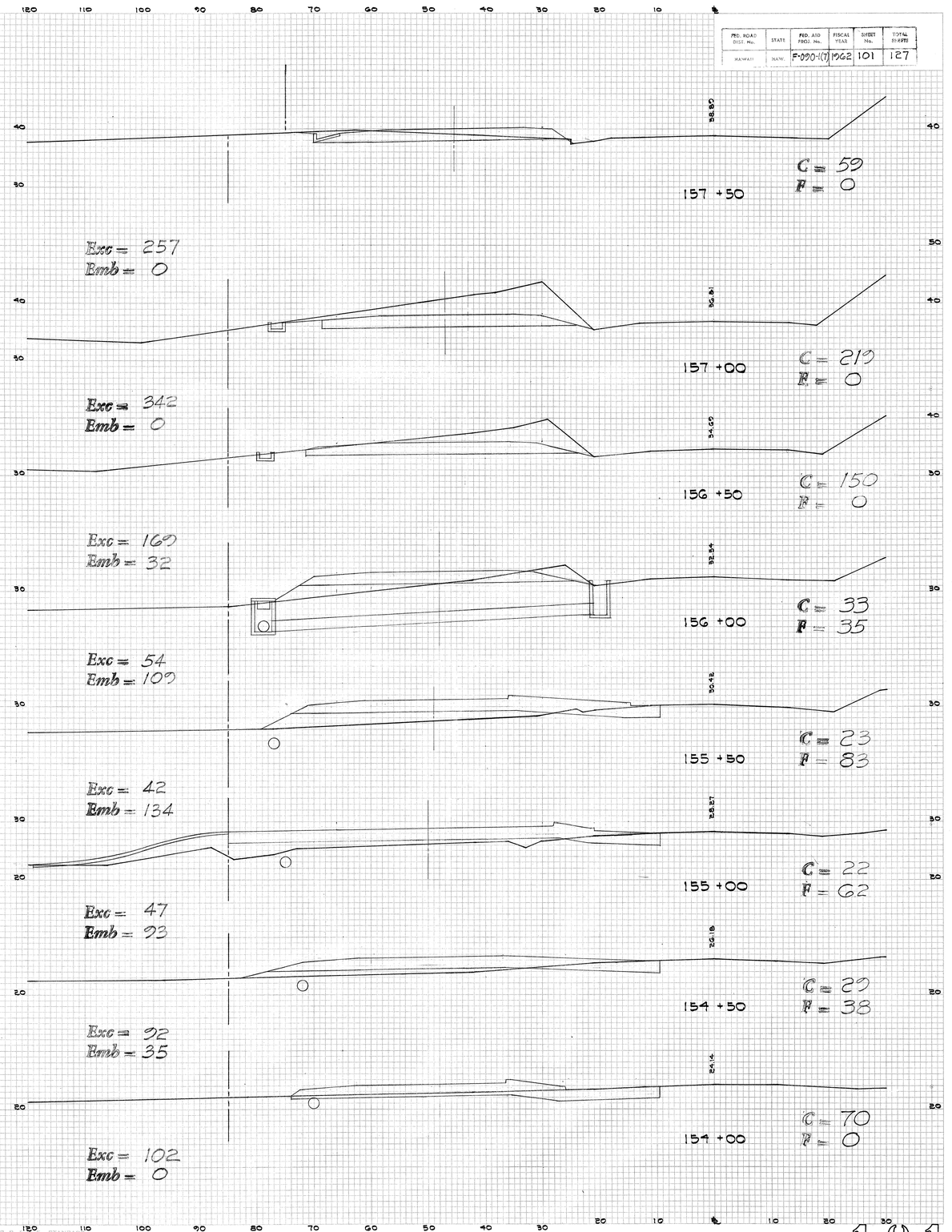


PLATE CROSS SECTION C. P. R. & L. CO. STANDARD
100 - MAP PAPER - MADE AND PRINTED IN U. S. A.
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
		F-090-1(7)	1962	102	127

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

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

160 +50
Exc = 1
Emb = 0
C = 0
F = 0

160 +00
Exc = 55
Emb = 7
C = 1
F = 0

159 +50
Exc = 106
Emb = 31
C = 58
F = 7

159 +00
Exc = 150
Emb = 24
C = 57
F = 26

158 +50
Exc = 203
Emb = 2
C = 115
F = 0

158 +00
Exc = 151
Emb = 2
C = 104
F = 2

163 +00
Exc = 0
Emb = 0
C = 0
F = 0

162 +50
Exc = 0
Emb = 0
C = 0
F = 0

162 +00
Exc = 0
Emb = 0
C = 0
F = 0

161 +50
Exc = 0
Emb = 0
C = 0
F = 0

161 +00
Exc = 0
Emb = 0
C = 0
F = 0

PLATE 30 CROSS SECTION O. P. R. STANDARD
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