FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTA. SHEETS
HAWAII	HAW.	F059-1(1)	1955	22	30

℄

15'0/S RT. OF ℄

2923.8

294.50 294.50

290

280

EP EP

C = 0
F = 84

Exc = X 0.9
Emb = 227.8

STA. 131+50

2923.0

294.40

290

280

EP EP

C = 1
F = 162

Exc = 0
Emb = 1014.8

STA. 131+00

Exc = 4.6
Emb = 182.4

2922

290

280

EP EP

C = 4
F = 35

Exc = 0
Emb = 843.5

STA. 130+50

Exc = 7.4
Emb = 32.4

2921.3

290

280

EP EP

C = 4
F = 0

Exc = 3.7
Emb = 0

STA. 130+00

STA. 129+50
BEG. OF CONNECTION

C = 0
F = 0

Exc = 0
Emb = 325.9

STA. 132+00

℄

15'0/S RT. OF ℄

2927.9

298.15 298.15

300

290

EP EP

C = 0
F = 138

Exc = 0
Emb = 447.2

STA. 133+50

2926.4

297.24 297.24

290

280

EP EP

C = 0
F = 345

STA. 133+00

2925.5

296.33 296.33

290

280

EP EP

C = 0
F = 751

STA. 132+50

2924.8

295.42 295.42

290

280

EP EP

C = 0
F = 268

STA. 132+00

PLATE 3 CROSS SECTION C. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. No. 345-3 MADE IN U.S.A.

5644.22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F083-1(1)	1955	23	30

℄

15'0/S RT. OF ℄

301.66 301.50 300.9

300 EP EP

290

C= 2
F= 95

Exc = 2.8
Emb = 365.7

STA. 135+50

300.78 300.78 300.2

300 EP EP

290

C= 1
F= 300

Exc = 254.6 266.7
Emb = ~~21.3~~ 24.1

Exc = 1.9
Emb = 860.2

STA. 135+00

200.00 200.00 299.1

300 EP EP

290

C= 1
F= 629

Exc = 200.0 213.0
Emb = 27.8 33.3

Exc = 5.6
Emb = 771.3

STA. 134+50

299.03 299.03 298.3

300 EP EP

290

C= 5
F= 204

Exc = ~~107.4~~ 112.0
Emb = ~~33.3~~ 36.1

Exc = 4.6
Emb = 316.7

STA. 134+00

BEG. PROJ. NO. F-083-1(1)

℄

15'0/S RT. OF ℄

310 304.0

303.28 304.64

300 EP EP

C= ~~140~~ 153
F= 11

STA. 137+50

310 303.5

303.10 304.17

300 EP EP

C= ~~126~~ 135
F= ~~12~~ 15

STA. 137+00

310 302.4

302.75 303.40

300 EP EP

C= ~~90~~ 95
F= ~~18~~ 21

STA. 136+50

302.25 302.53 301.7

300 EP EP

200

C= 26
F= 18

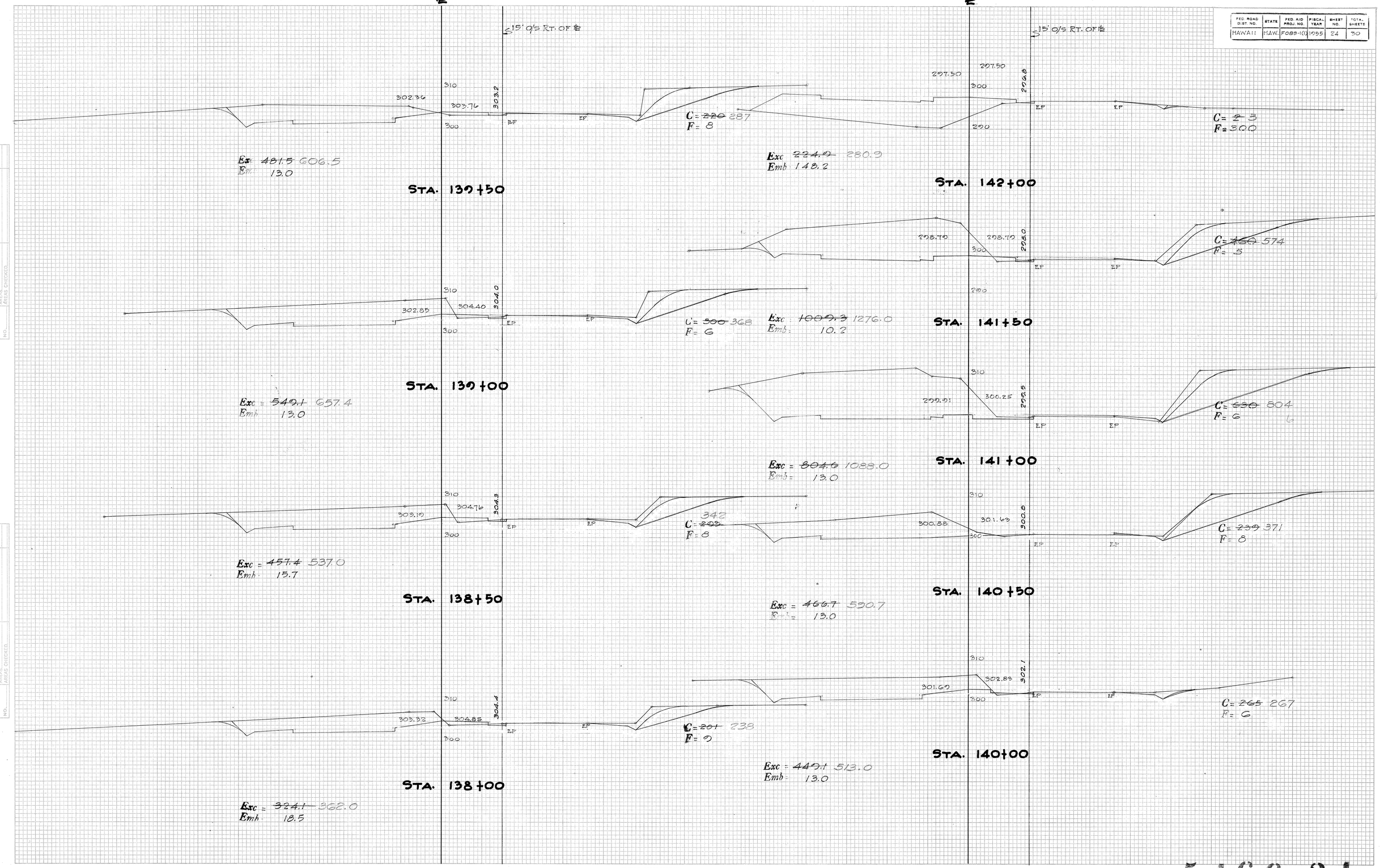
Exc = 25.0
Emb = 104.6

STA. 136+00

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K&E CO. No. 345-3

5466.23

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F088-1(1)	1955	24	30



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

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

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.

546G.24

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F088-1(1)	1055	25	30

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

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

℄

STA. 144+00

204.41 204.37 202.72

200 E.P. E.P.

280

C= 7
F= 340

Exc = 6.5
Emb = 1106.5

STA. 143+50

204.43 204.44 202.97

200 E.P. E.P.

280

C= 0
F= 855

Exc = 0.0
Emb = ~~1595.4~~ 1592.6

STA. 143+00

205.02 205.01 203.69

290 E.P. E.P.

280

C= 1
F= ~~868~~ 865

Exc = 1.0
Emb = ~~1570.6~~ 1588.0

STA. 142+50

206.13 206.13 205.15

300 E.P. E.P.

200

280

270

C= 1
F= ~~838~~ 850

Exc = ~~2.8~~ 3.7
Emb = ~~1053.7~~ 1064.8

℄

℄

STA. 146+00

202.65 202.85 202.43

300 E.P. E.P.

290

280

C= 1
F= ~~280~~ 301

Exc = ~~375.4~~ 402.3
Emb = ~~191.6~~ 197.8

STA. 145+50

207.34 206.05 207.38

300 E.P. E.P.

290

C= ~~809~~ 867
F= 50 49

Exc = ~~1755.6~~ 2211.1
Emb = ~~78.7~~ 73.6

STA. 145+00

205.06 204.51 205.85

310 300 E.P. E.P. 290

C= ~~1087~~ 1521
F= 35 37

Exc = ~~1495.4~~ 1945.4
Emb = ~~55.6~~ 60.2

STA. 144+50

204.92 204.85 203.54

300 E.P. E.P. 290 280

C= ~~528~~ 472
F= 25 28

Exc = ~~253.2~~ 226.7
Emb = ~~187.5~~ 183.0

310 90

5644.25

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	F032-1(10)	1955	26	30

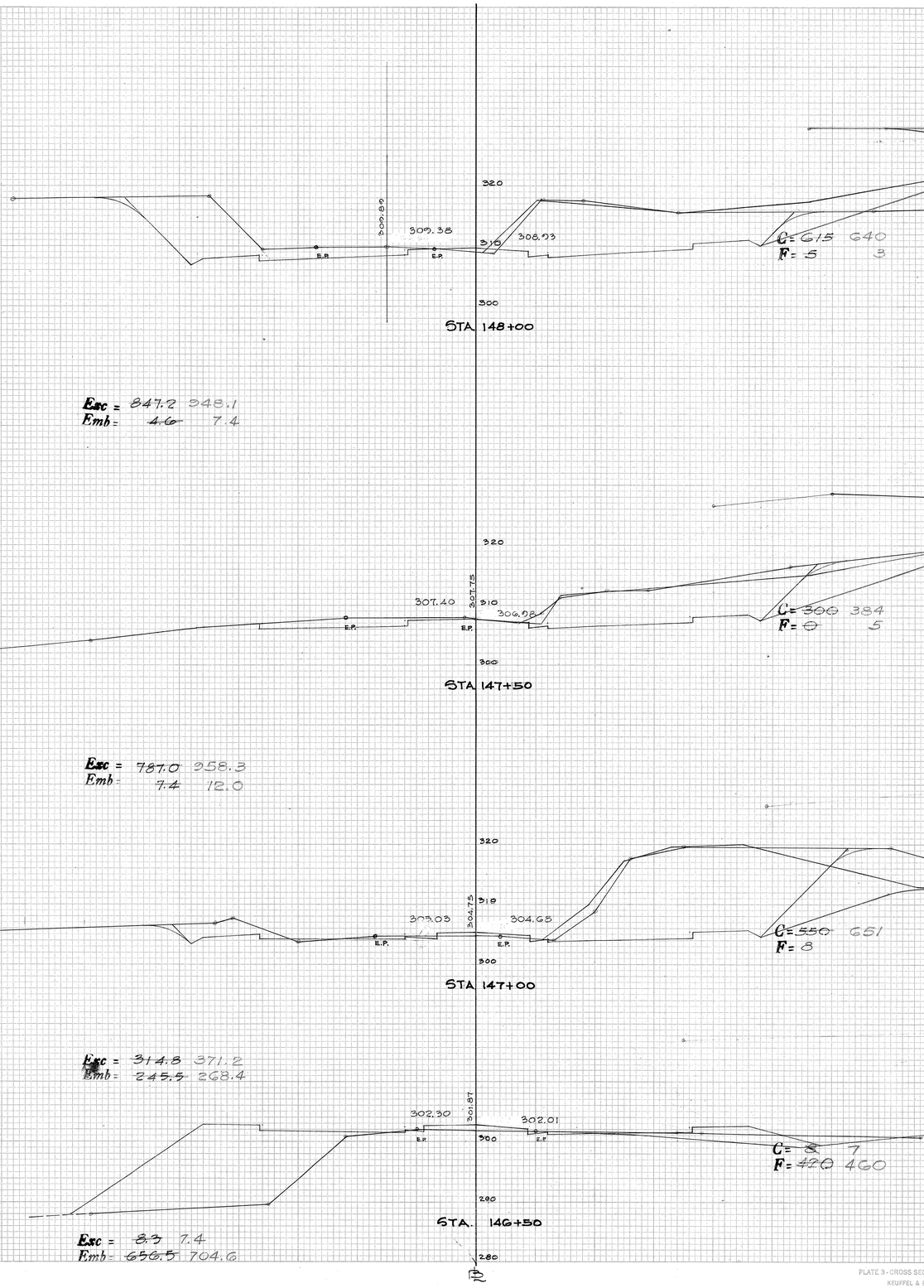
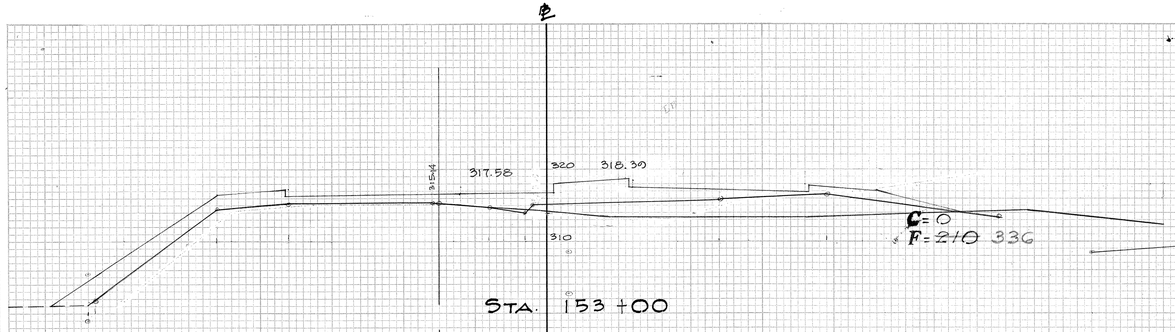


PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

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

5644.26

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOT. SHEETS
HAWAII	HAW.	FOBB-10(1)	1955	27	30



STA. 153 +00

Exc = 113.9 214.8
Emb = 248.1 106.5

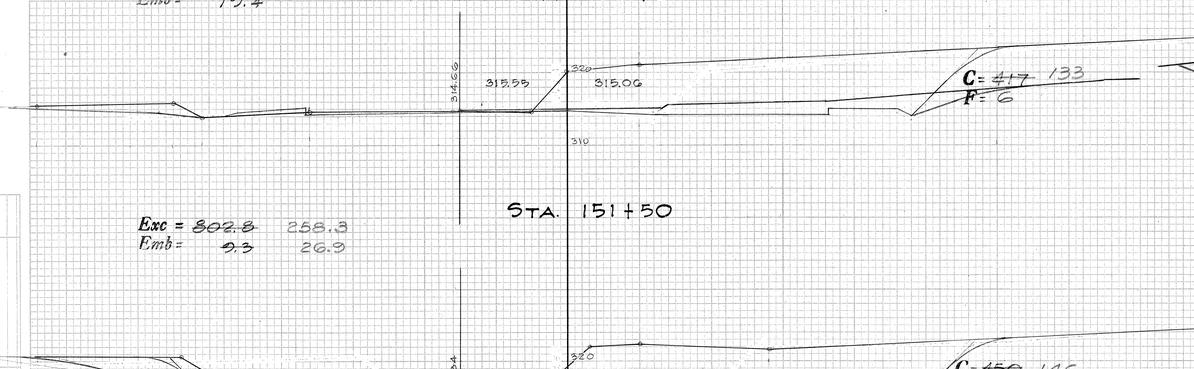


STA. 152 +50

Exc = 478.1 140.7
Emb = 67.6 58.3

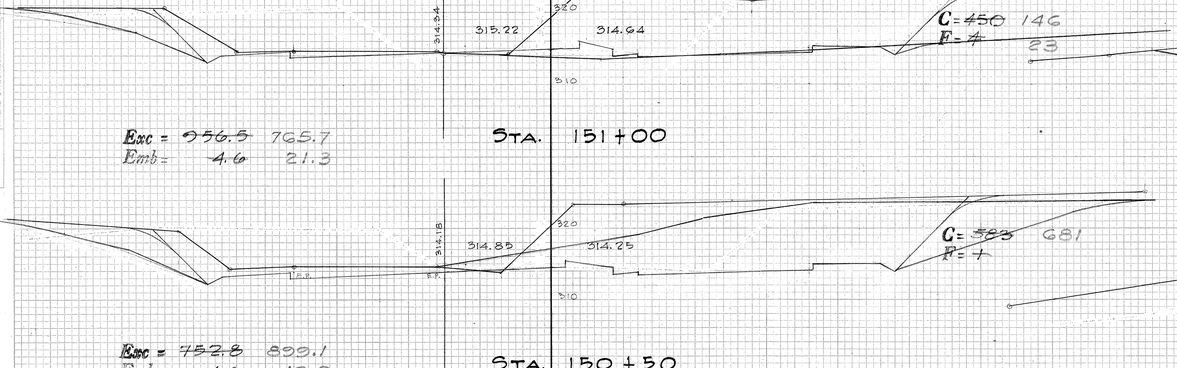
Exc = 700.9
Emb = 10.4

STA. 152 +00



STA. 151 +50

Exc = 802.8 258.3
Emb = 9.3 26.9



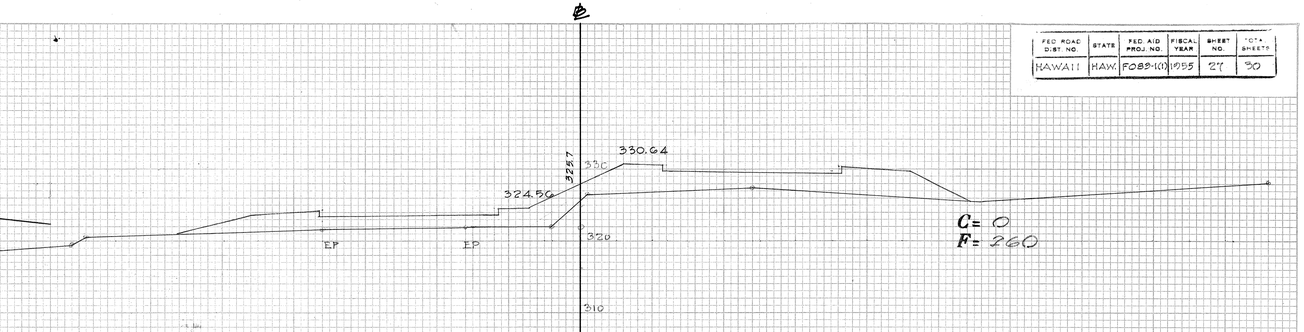
STA. 151 +00

Exc = 956.5 765.7
Emb = 4.6 21.3

Exc = 752.8 899.1
Emb = 4.6 10.2

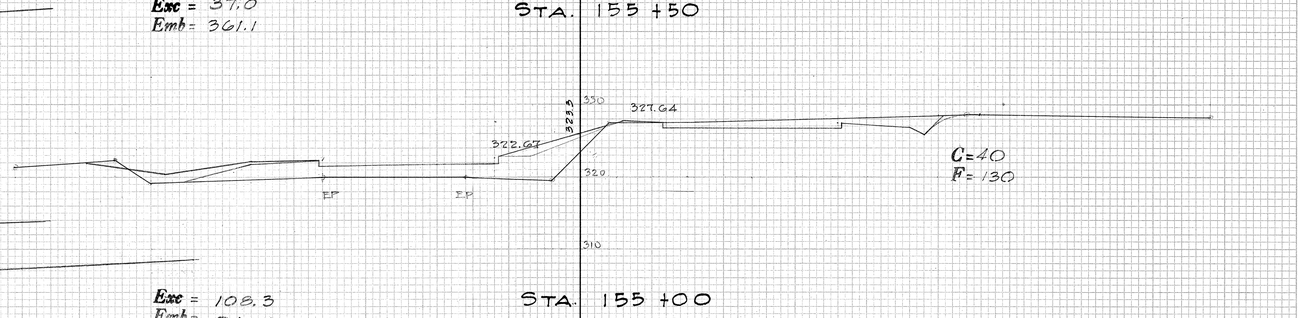
STA. 150 +50

Exc = 0
Emb = 564.8 681.5



Exc = 37.0
Emb = 361.1

STA. 155 +50



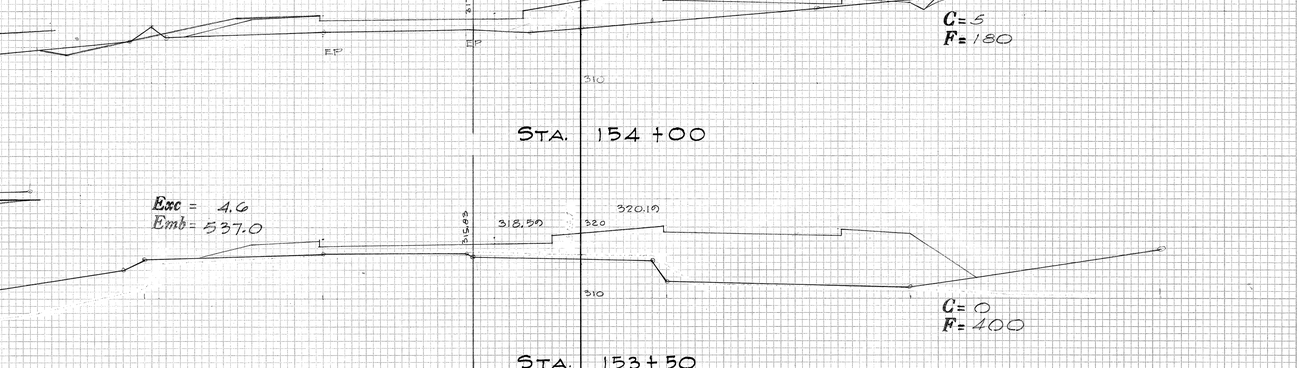
Exc = 108.3
Emb = 240.7

STA. 155 +00



STA. 154 +50

Exc = 75.9
Emb = 287.0



STA. 154 +00

Exc = 4.6
Emb = 537.0

STA. 153 +50

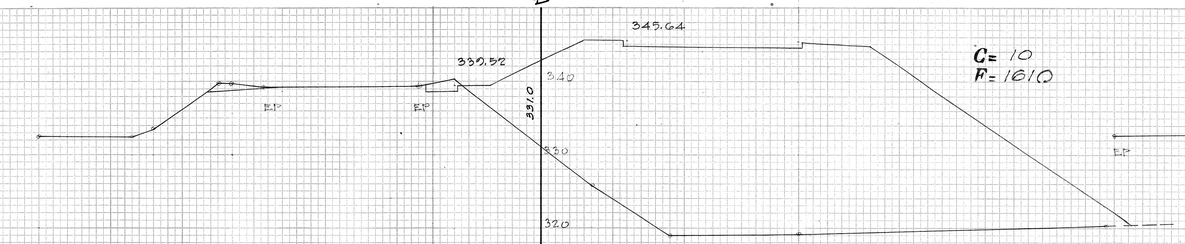
PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K&E CO. No. 345-3 MADE IN U.S.A.

5644.27

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

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

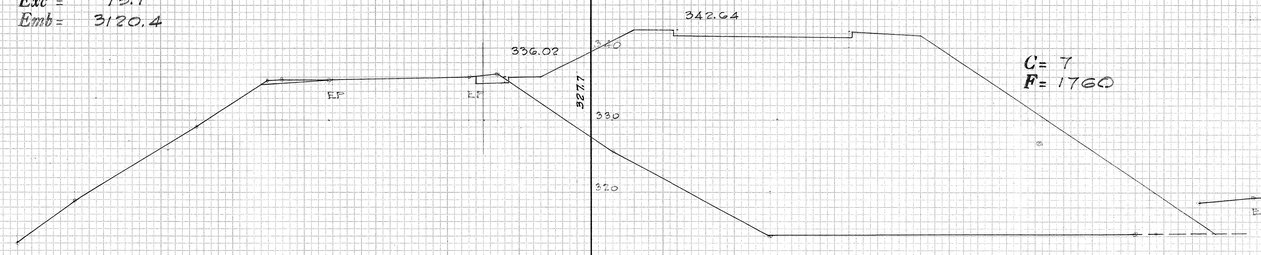
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F088-1(1)	1955	28	30



C= 10
F= 1610

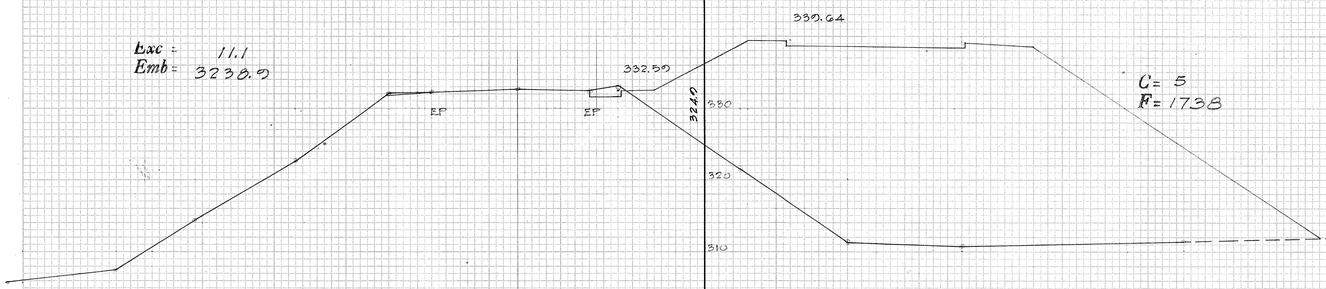
Exc = 15.7
Emb = 3120.4

STA. 158 + 00



C= 7
F= 1760

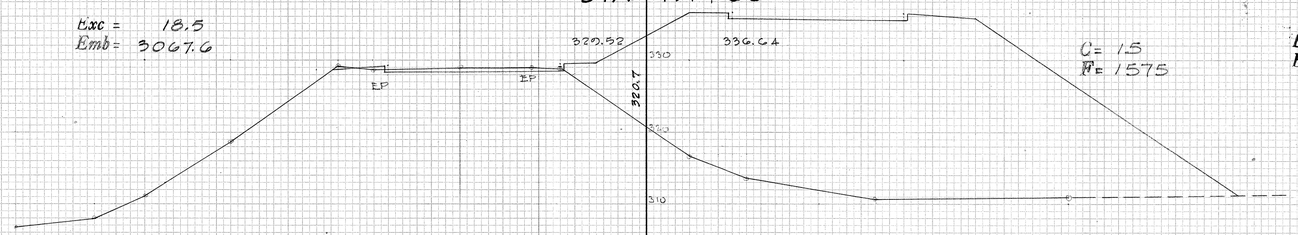
STA. 157 + 50



C= 5
F= 1738

Exc = 11.1
Emb = 3238.0

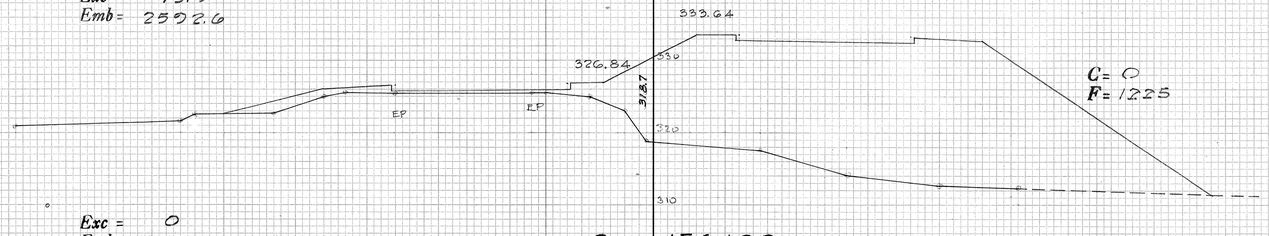
STA. 157 + 00



C= 15
F= 1575

Exc = 18.5
Emb = 3067.6

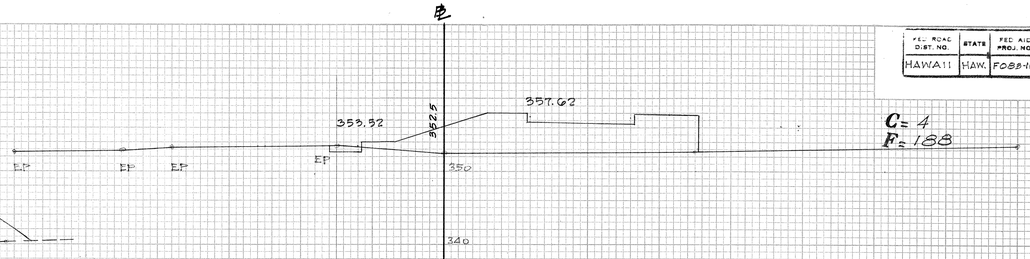
STA. 156 + 50



C= 0
F= 1225

Exc = 0
Emb = 1375.0

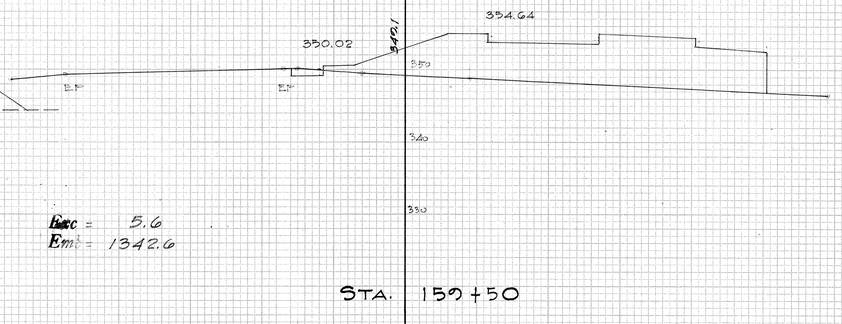
STA. 156 + 00



C= 4
F= 188

Exc = 7.4
Emb = 465.7

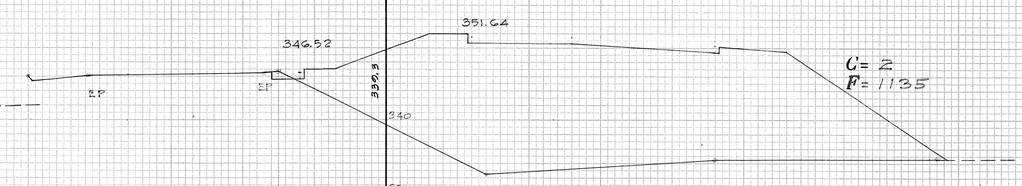
STA. 160 + 00



C= 4
F= 315

Exc = 5.6
Emb = 1342.6

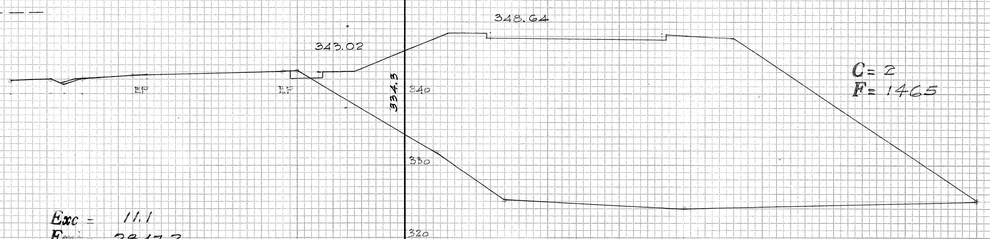
STA. 159 + 50



C= 2
F= 1135

Exc = 3.7
Emb = 2407.4

STA. 159 + 00



C= 2
F= 1465

Exc = 11.1
Emb = 2847.2

STA. 158 + 50

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

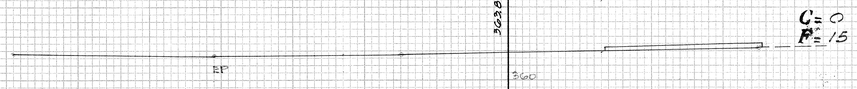
K&E CO. No. 345-3 MADE IN U.S.A.

5644.28

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F083-1(1)	1955	20	30

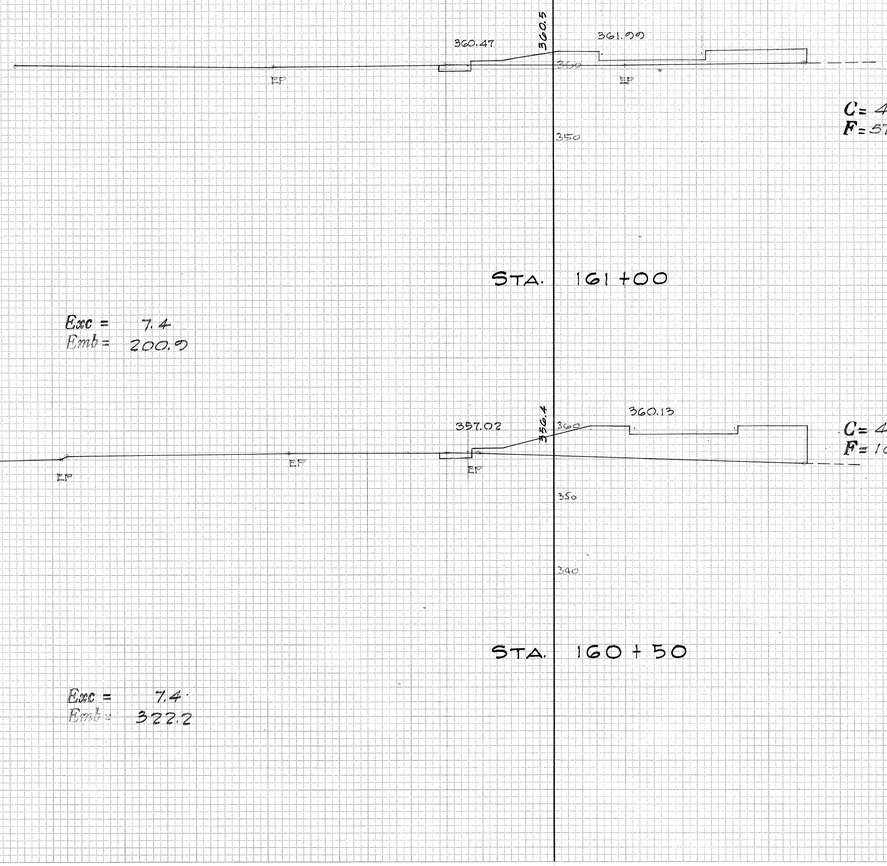
END OF PROJ. NO. F 083-1(1)
STA. 161+62.55

Exc = 0
Emb = 3.5



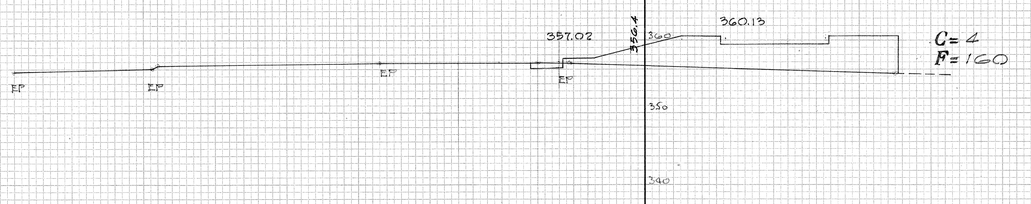
STA. 161+50

Exc = 3.7
Emb = 66.7



STA. 161+00

Exc = 7.4
Emb = 200.9

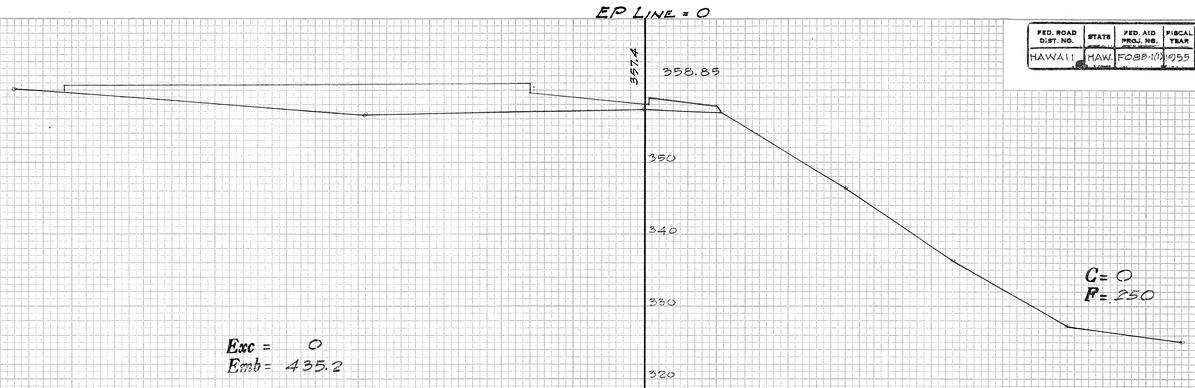


STA. 160+50

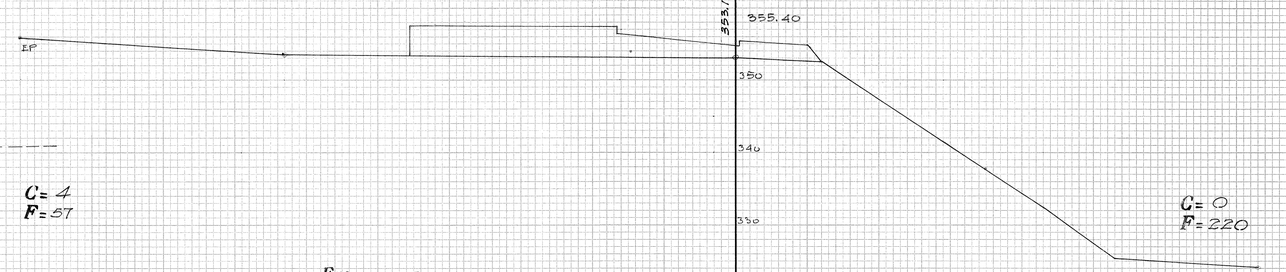
Exc = 7.4
Emb = 322.2

EP LINE = 0

Exc = 0
Emb = 435.2

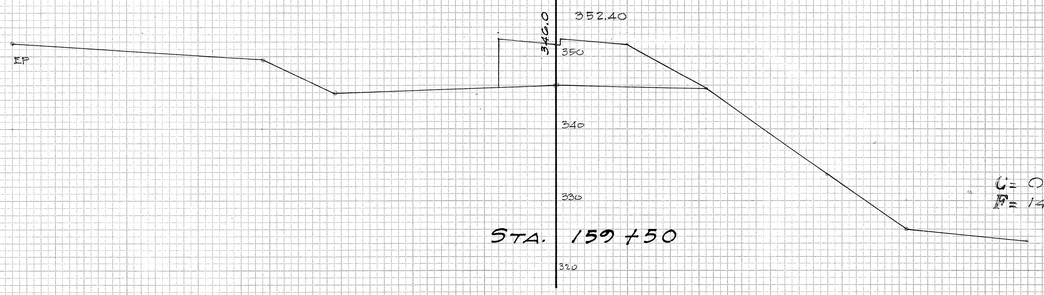


STA. 160+50



Exc = 0
Emb = 333.3

STA. 160+00



STA. 159+50

Exc = 0
Emb = 120.6

CROSS SECTIONS
OF
RIGHT TURN CONNECTION TO PROJ. NO. S 216(3)

5644.29

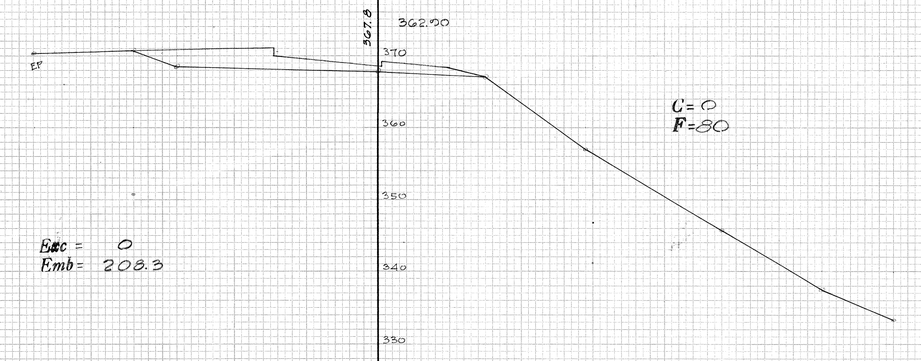
PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K&E CO. No. 345-3 MADE IN U.S.A. 99993

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

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F033-(1)	1955	30	30

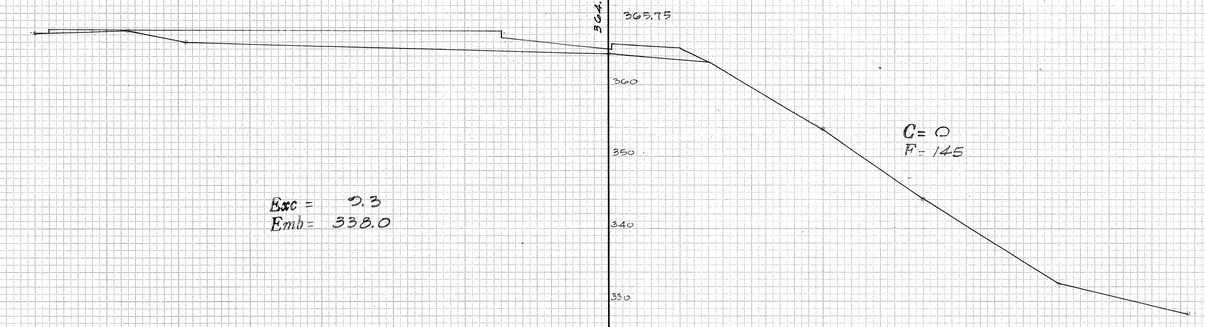
EP LINE = 0



C = 0
F = 80

Exc = 0
Emb = 208.3

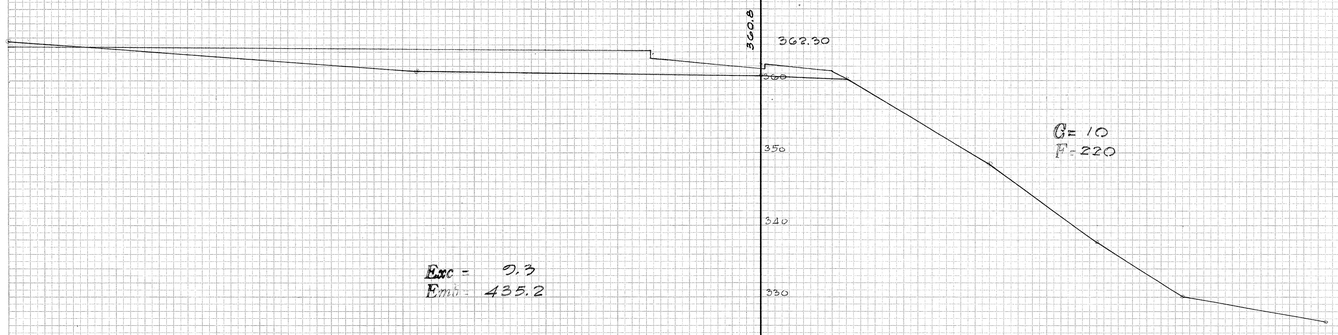
STA. 162 + 00



C = 0
F = 145

Exc = 2.3
Emb = 338.0

STA. 161 + 50



C = 10
F = 220

Exc = 0.3
Emb = 435.2

STA. 161 + 00

EP LINE = 0

END OF CONNECTION

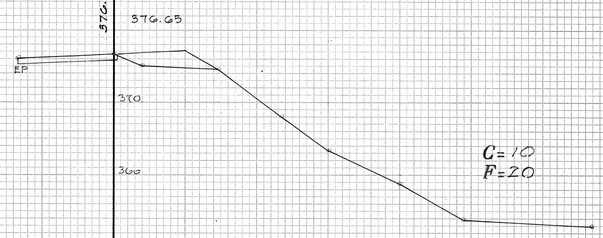
Exc = 3.2
Emb = 0



C = 4
F = 0

Exc = 13.0
Emb = 18.5

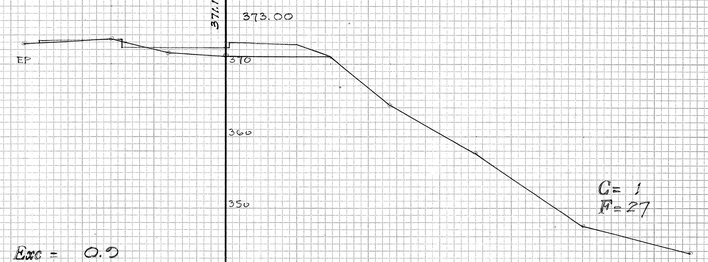
STA. 163 + 50



C = 10
F = 20

Exc = 10.2
Emb = 43.5

STA. 163 + 00



C = 1
F = 27

Exc = 0.9
Emb = 99.1

STA. 162 + 50

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.

5644.30