FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	US-S-0720(3) UNIT 3	1960	78	79
		BU-065-1(1) UNIT 3	1960	95	115

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

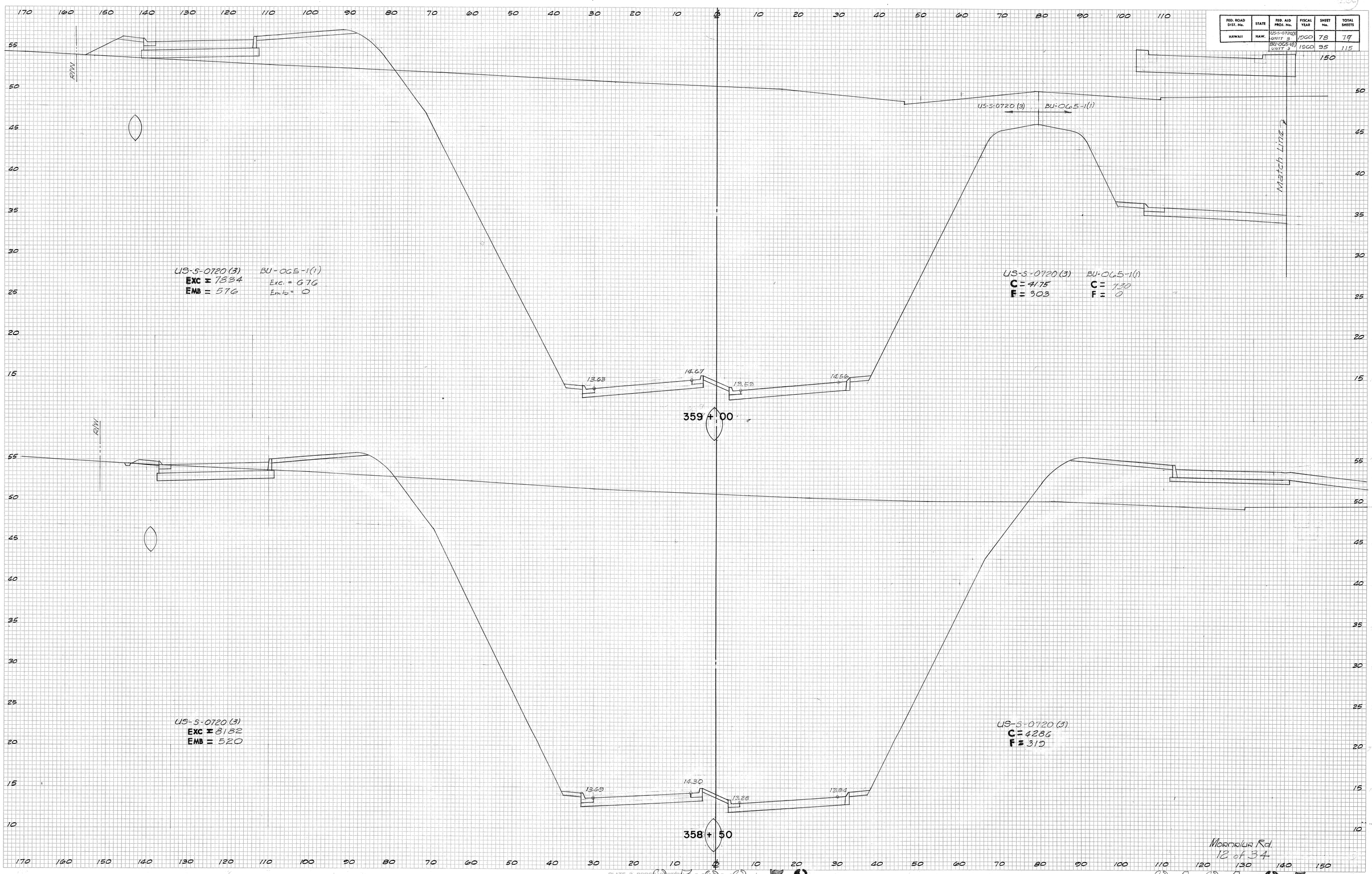


PLATE 3 CROSS SECTIONS — C. P. R. STANDARD
100% RAG PAPER MADE AND PRINTED IN U. S. A.

$5526.78 $161.95

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	URS-0720(3) BU-065-1(1) UNIT 2	1960	72	77
		BU-072-1(2) UNIT 2	1960	102	118
		BU-072-1(2) UNIT 3	1960	96	115

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

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

Match Line

BU-072-1(2)
Exc = 6850
Emb = 1113

BU-065-1(1)
Exc = 685
Emb = 0

13.92 15.41 14.03 15.52

BU-072-1(2)
C = 3700
F = 777

BU-065-1(1)
C = 0
F = 0

8+00

BU-065-1(1) US-S-0720(3)

US-S-0720(3) BU-065-1(1)

US-S-0720(3)
Exc = 6974
Emb = 674

BU-065-1(1)
Exc = 1361
Emb = 0

13.66 15.64 13.78 15.15

US-S-0720(3)
C = 3498
F = 425

BU-065-1(1)
C = 740
F = 0

7+50

END OF PROJ. USS-0720(3) AT STA. 359+49.08 = BEGIN OF PROJ. BU-072-1(2) STA. 7+50

13 of 34 FREEWAY

PLATE 3 CROSS SECTIONS OF STATE ROADS
1935 R&B PAVEMENT DESIGNED BY A.A. YOUNG
GEOMETRIC DESIGN BY

$526.79 $174.102 $161.96

156

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT 4	1960	103	118
		BU-065-1(1) UNIT 3	1960	97	115

FINAL SURVEY — DATE — BY — SURVEYED — PLOTTED — X-SECTIONS — AREAS CHECKED — NOTE BOOK — NO.

ORIGINAL SURVEY — DATE — BY — SURVEYED — PLOTTED — X-SECTIONS — AREAS CHECKED — NOTE BOOK — NO.

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2)
EXC = 6282
EMB = 726

BU-065-1(1)
EXC = 763
EMB = 0

BU-072-1(2)
C = 3157
F = 352

BU-065-1(1)
C = 792
F = 0

BU-072-1(2)
EXC = 6969
EMB = 1115

BU-065-1(1)
EXC = 30
EMB = 0

BU-072-1(2)
C = 3666
F = 432

BU-065-1(1)
C = 32
F = 0

Match Line

9+00

8+50

PLATE 3 CROSS SECTION D. P. R. & E. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

14 of 34 FREEWAY

S174.103 S161.97

157

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT A	1960	104	118
		BU-065-1(1) UNIT 3	1960	98	115

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

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

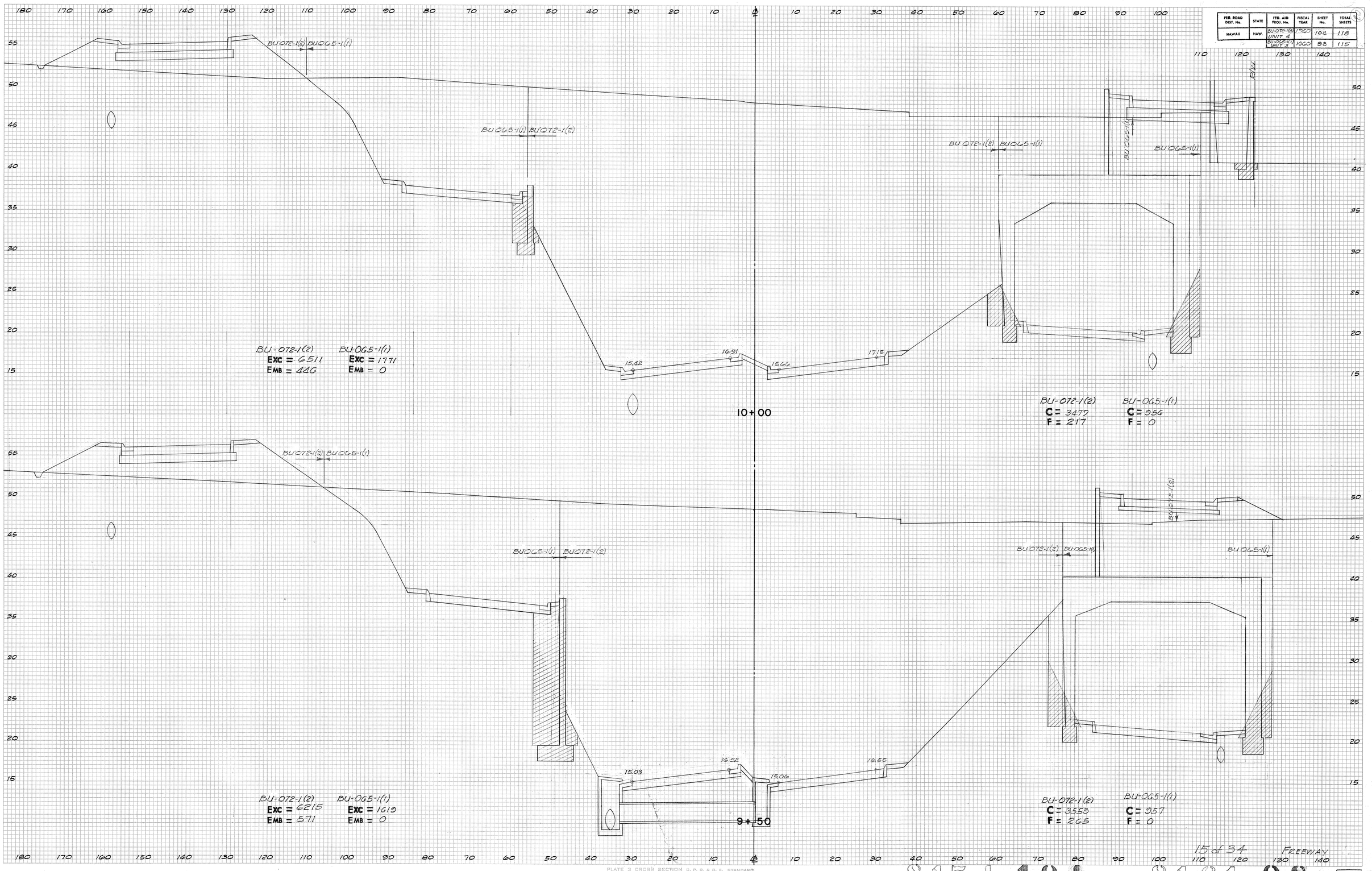


PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

15 of 34 FREEWAY

S174.104 S161.98

158

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT A	1960	105	118
		BU-065-1(1) UNIT 3	1960	00	115

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

BU-072-1(2) BU-065-1(1)

BU-072-1(2) Exc = 5511 Emb = 200

BU-065-1(1) Exc = 2454 Emb = 0

BU-072-1(2) C = 2806 F = 76

BU-065-1(1) C = 1746 F = 0

11+00

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

BU-072-1(2) BU-065-1(1)

BU-072-1(2) Exc = 6134 Emb = 390

BU-065-1(1) Exc = 1763 Emb = 0

BU-072-1(2) C = 3196 F = 214

BU-065-1(1) C = 948 F = 0

10+50

PLATE 3 CROSS SECTION U. P. R. & R. E. STANDARD
1955 RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

16 of 34 FREEWAY

S174.105 S161.99

155

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT A	1960	106	118
		BU-065-1(1) UNIT B	1960	100	115

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

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

18.23 19.71 19.46 20.05

12+00

BU-072-1(2)
EXC = 4706
EMB = 122

BU-065-1(1)
EXC = 3407
EMB = 0

BU-072-1(2)
C = 2528
F = 40

BU-065-1(1)
C = 1780
F = 0

BU-072-1(2) BU-065-1(1)

BU-065-1(1) BU-072-1(2)

BU-065-1(1) BU-072-1(2)

BU-072-1(2) BU-065-1(1)

17.29 18.78 18.30 19.70

11+50

BU-072-1(2)
EXC = 5054
EMB = 156

BU-065-1(1)
EXC = 3376
EMB = 0

BU-072-1(2)
C = 2652
F = 92

BU-065-1(1)
C = 1900
F = 0

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

17 of 34 FREEWAY

$174.106 $161.100 160

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT 3	1960	107	118
		BU-065-1(1) UNIT 3	1960	101	115

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

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

BU-072-1(2) BU-065-1(1)
EXC = 3884 EXC = 3794
EMB = 58 EMB = 0

BU-072-1(2) BU-065-1(1)
C = 2195 C = 1898
F = 12 F = 0

BU-072-1(2) BU-065-1(1)
EXC = 3901 EXC = 3806
EMB = 93 EMB = 0

BU-072-1(2) BU-065-1(1)
C = 2000 C = 1663
F = 51 F = 0

BU-072-1(2) BU-065-1(1)
EXC = 4330 EXC = 3238
EMB = 82 EMB = 0

BU-072-1(2) BU-065-1(1)
C = 2213 C = 1717
F = 40 F = 0

13+50

13+00

12+50

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT A	1960	108	118
		BU-065-1(1) UNIT 3	1960	102	115

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

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

BU-072-1(2) EXC = 3644 EMB = 26

BU-065-1(1) EXC = 3359 EMB = 0

BU-072-1(2) BU-065-1(1)

BU-065-1(1) BU-072-1(2)

BU-072-1(2) C = 1855 F = 6

BU-065-1(1) C = 1861 F = 0

27.61 27.61 20.10 20.12

15+00

BU-072-1(2) EXC = 3979 EMB = 51

BU-065-1(1) EXC = 3212 EMB = 0

BU-072-1(2) BU-065-1(1)

BU-065-1(1) BU-072-1(2)

BU-072-1(2) C = 2080 F = 22

BU-065-1(1) C = 1767 F = 0

24.75 20.24 20.24 27.73

14+50

BU-072-1(2) EXC = 4085 EMB = 42

BU-065-1(1) EXC = 3333 EMB = 0

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2) C = 2217 F = 33

BU-065-1(1) C = 1702 F = 0

23.38 24.87 24.87 20.30

14+00

PLATE 3 CROSS SECTION O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY

19 of 34 FREEWAY

S174.108 S161.102 162

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT A	1960	102	118
		BU-065-1(1) UNIT A	1960	103	115

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

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

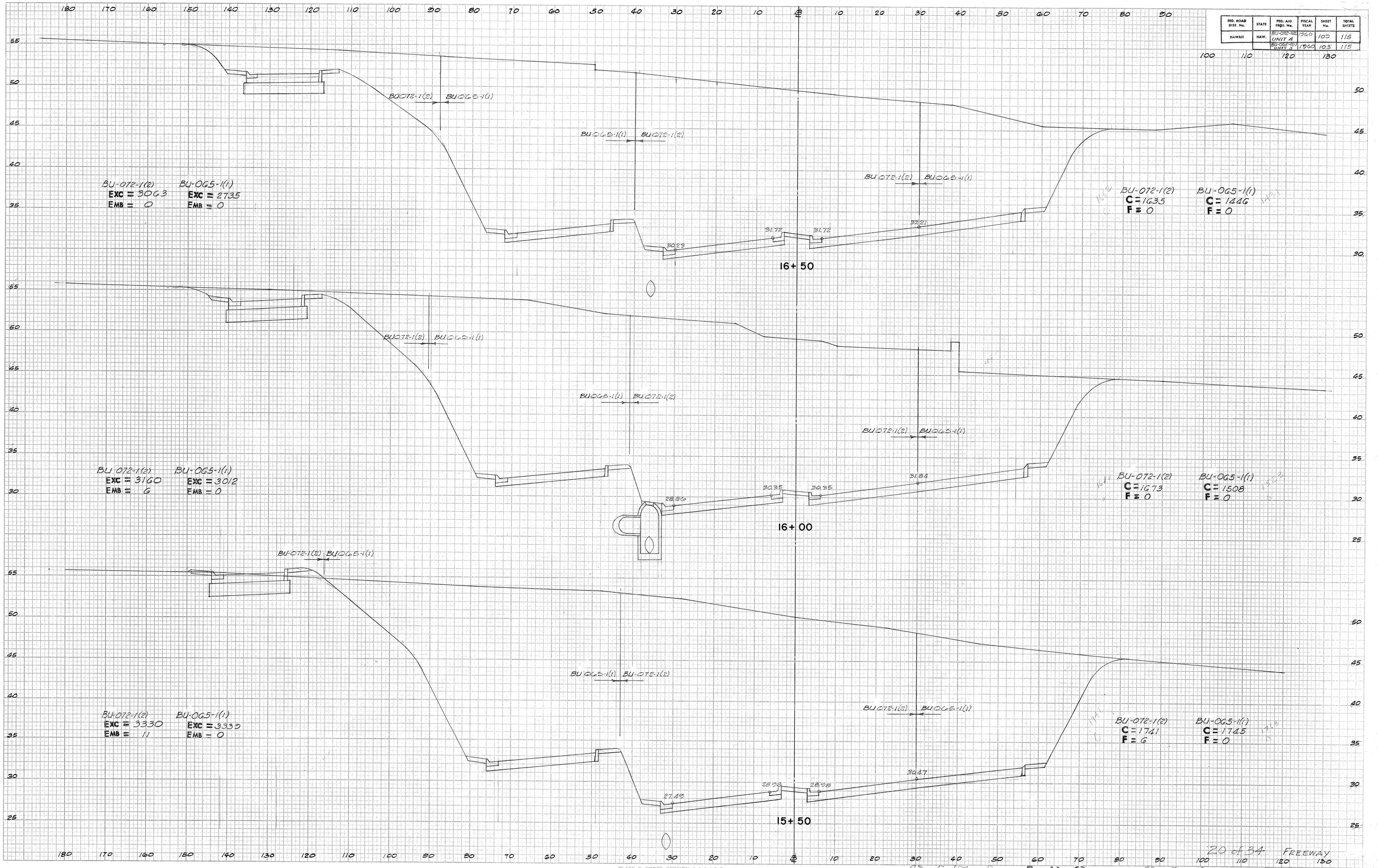


PLATE 3 CROSS SECTION O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY

20 of 34 FREEWAY

S174.109 S161.103 163

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT 1	1960	110	118
		BU-065-1(1) UNIT 1A	1960	104	115

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

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

18+00

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2)
EXC = 3074
EMB = 0

BU-065-1(1)
EXC = 2133
EMB = 0

34.30 35.83 35.83 37.28

BU-072-1(2)
C = 1640
F = 0

BU-065-1(1)
C = 1008
F = 0

17+50

BU-072-1(2) BU-065-1(1)

BU-065-1(1) BU-072-1(2)

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2)
EXC = 3054
EMB = 0

BU-065-1(1)
EXC = 2392
EMB = 0

32.97 34.46 34.46 35.95

BU-072-1(2)
C = 1680
F = 0

BU-065-1(1)
C = 1206
F = 0

17+00

BU-072-1(2) BU-065-1(1)

BU-065-1(1) BU-072-1(2)

BU-072-1(2) BU-065-1(1)

BU-072-1(2) BU-065-1(1)

BU-072-1(2)
EXC = 3012
EMB = 0

BU-065-1(1)
EXC = 2614
EMB = 0

31.60 33.09 33.09 34.59

BU-072-1(2)
C = 1618
F = 0

BU-065-1(1)
C = 1377
F = 0

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT 4	1960	111	118
		BU-065-1(1) UNIT 3	1960	105	115

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

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

20+00

BU-072-1(2) EXC = 2370 EMB = 0
BU-065-1(1) EXC = 865 EMB = 0

BU-072-1(2) BU-065-1(1) | BU-065-1(1) BU-072-1(2)

40.61 41.31 41.31 42.58

BU-072-1(2) C = 2451 F = 0
BU-065-1(1) C = 407 F = 0

Match Line

19+50

BU-072-1(2) EXC = 3770 EMB = 0
BU-065-1(1) EXC = 1113 EMB = 0

BU-072-1(2) BU-065-1(1) | BU-065-1(1) BU-072-1(2)

38.37 39.04 39.04 41.40

BU-072-1(2) C = 2027 F = 0 C_F = 2273
BU-065-1(1) C = 527 F = 0

19+00

BU-072-1(2) EXC = 3250 EMB = 0
BU-065-1(1) EXC = 1849 EMB = 0

BU-072-1(2) BU-065-1(1) | BU-065-1(1) BU-072-1(2) | BU-072-1(2) BU-065-1(1)

37.42 38.57 38.57 39.72

BU-072-1(2) C = 1739 F = 0 C_F = 2014
BU-065-1(1) C = 990 F = 0 C_F = 675

18+50

BU-072-1(2) EXC = 3158 EMB = 0
BU-065-1(1) EXC = 1549 EMB = 0

BU-072-1(2) BU-065-1(1) | BU-065-1(1) BU-072-1(2) | BU-072-1(2) BU-065-1(1)

35.88 37.20 37.20 38.52

BU-072-1(2) C = 1771 F = 0
BU-065-1(1) C = 1007 F = 0

PLATE 3 CROSS SECTION O, P, R, & R, E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY

22 of 34 FREEWAY

$174.11 $161.10.5 165

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

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

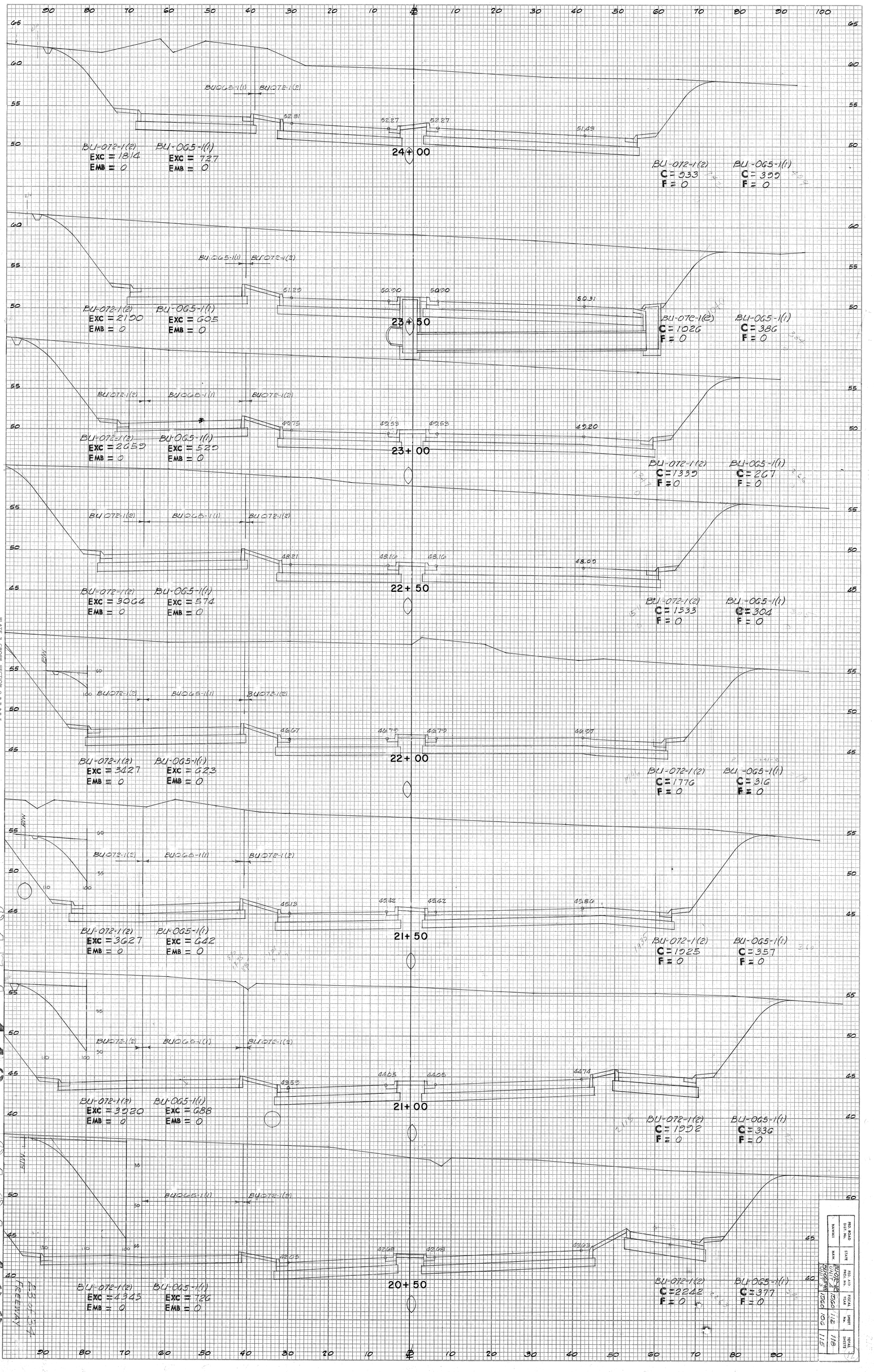


PLATE 3 CROSS SECTION O.P.R.R.C.
1965 MASTER HIGHWAY PRINTING
DUNLEE PRINTING COMPANY

S-1141-112 S-1151-106

MARKER	DIST. No.	ROUTE					
	COUNTY						

PED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-012-1(12) UNIT 1	1960	113	118
		BU-065-1(11) UNIT 2	1960	107	115

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

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

28+50 — BU-065-1(1) C=28 F=4 — BU-072-1(2) C=24 F=1516 — 5708 5705 5705 — BU-065-1(1) BU-072-1(2) — 5960 — BU-065-1(1) E.XC=115 E.MB=4 — BU-072-1(2) E.XC=145 E.MB=1156

28+00 — BU-065-1(1) C=36 F=0 — BU-072-1(2) C=133 F=33 — 5701 5708 5708 — BU-065-1(1) BU-072-1(2) — 5803 — BU-065-1(1) E.XC=194 E.MB=0 — BU-072-1(2) E.XC=392 E.MB=34

27+50 — BU-065-1(1) C=113 F=0 — BU-072-1(2) C=250 F=4 — 5697 5784 5784 — BU-065-1(1) BU-072-1(2) — 5842 — BU-065-1(1) E.XC=285 E.MB=0 — BU-072-1(2) E.XC=599 E.MB=4

27+00 — BU-065-1(1) C=105 F=0 — BU-072-1(2) C=357 F=0 — 5686 5754 5754 — BU-065-1(1) BU-072-1(2) — 5818 — BU-065-1(1) E.XC=200 E.MB=0 — BU-072-1(2) E.XC=737 E.MB=0

26+50 — BU-065-1(1) C=237 F=0 — BU-072-1(2) C=453 F=0 — 5640 5707 5707 — BU-065-1(1) BU-072-1(2) — 5772 — BU-065-1(1) E.XC=452 E.MB=0 — BU-072-1(2) E.XC=1004 E.MB=0

26+00 — BU-065-1(1) C=251 F=0 — BU-072-1(2) C=551 F=0 — 5547 5644 5644 — BU-065-1(1) BU-072-1(2) — 5709 — BU-065-1(1) E.XC=502 E.MB=0 — BU-072-1(2) E.XC=1164 E.MB=0

25+50 — BU-065-1(1) C=251 F=0 — BU-072-1(2) C=666 F=0 — 5467 5564 5564 — BU-065-1(1) BU-072-1(2) — 5629 — BU-065-1(1) E.XC=543 E.MB=0 — BU-072-1(2) E.XC=1327 E.MB=0

25+00 — BU-065-1(1) C=255 F=0 — BU-072-1(2) C=767 F=0 — 5371 5428 5428 — BU-065-1(1) BU-072-1(2) — 5533 — BU-065-1(1) E.XC=580 E.MB=0 — BU-072-1(2) E.XC=1486 E.MB=0

24+50 — BU-065-1(1) C=370 F=10 — BU-072-1(2) C=838 F=10 — 5259 5356 5356 — BU-065-1(1) BU-072-1(2) — 5418 — BU-065-1(1) E.XC=656 E.MB=0 — BU-072-1(2) E.XC=1640 E.MB=0

M/B

24 of 34 FREEWAY

PLATE 3 CROSS SECTION O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY

§174.113 §161.107 167

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2) UNIT 1	1960	114	118
		BU-065-1(1) UNIT 1	1960	108	115

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

BU-072-1(2)
C = 100
F = 109

BU-072-1(2)
C = 0
F = 775

BU-072-1(2)
C = 0
F = 230

BU-065-1(1)
C = 0
F = 335

BU-072-1(2)
C = 0
F = 80

BU-065-1(1)
C = 0
F = 262

BU-072-1(2)
C = 0
F = 97

Widewall

BU-065-1(1)
C = 0
F = 107

BU-072-1(2)
C = 0
F = 624

BU-065-1(1)
C = 0
F = 51

BU-072-1(2)
C = 0
F = 484

BU-072-1(2)
EXC = 18
EMB = 810

BU-072-1(2)
EXC = 0
EMB = 931

BU-072-1(2)
EXC = 0
EMB = 213

BU-065-1(1)
EXC = 0
EMB = 243

BU-072-1(2)
EXC = 0
EMB = 90

BU-065-1(1)
EXC = 0
EMB = 342

BU-072-1(2)
EXC = 0
EMB = 668

BU-065-1(1)
EXC = 0
EMB = 146

BU-072-1(2)
EXC = 0
EMB = 1026

BU-065-1(1)
EXC = 26
EMB = 51

BU-072-1(2)
EXC = 22
EMB = 574

Bridge

BU065-1(1) BU072-1(2)

M13

START

32+00 31+50 31+00 30+50 30+00 29+50 29+00

TO U.S. 1 FREEWAY

PLATE 2 CROSS SECTION O. P. R. & R. E.
100% RAG PAPER—MADE AND PRINTED IN U. S. A.
CHARLES BRUNING COMPANY

S 164.114 S 164.108 168

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	RS-055(1)	1960	110	115

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

9+00 — BU-065-1(1) EXC = 136 EMB = 1 — CE = 96 FE = 1
8+50 — BU-065-1(1) EXC = 67 EMB = 0 — CE = 50 FE = 0
8+00 — BU-065-1(1) EXC = 19 EMB = 0 — CE = 21 FE = 0
7+50 — BU-065-1(1) EXC = EMB = — CE = FE =
7+00 — BU-065-1(1) EXC = EMB = — CE = FE =
6+50 — BU-065-1(1) EXC = EMB = — CE = FE =
6+00 — BU-065-1(1) EXC = EMB = — CE = FE =
5+50 — BU-065-1(1) EXC = EMB = — CE = FE =
5+00 — BU-065-1(1) EXC = EMB = — CE = FE =
4+50 — BU-065-1(1) EXC = EMB = — CE = FE =

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.

27-54 34 MIDDLE ST.

S161.10 170

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-065-1(1) UNIT-3	1960	111	115

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

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED BY
PLOTTED DATE
TOTAL AREA
AREAS CHECKED

11+50

BU-065-1(1)
Lt = 386
Rt = 0

BU-065-1(1)
Lt = 486
Rt = 0

11+00

BU-065-1(1)
Lt = 159
Rt = 0

BU-065-1(1)
Lt = 415
Rt = 0

10+50

BU-065-1(1)
Lt = 104
Rt = 0

BU-065-1(1)
Lt = 198
Rt = 0

10+00

BU-065-1(1)
Lt = 176
Rt = 0

BU-065-1(1)
Lt = 210
Rt = 0

9+50

BU-065-1(1)
Lt = 167
Rt = 0

BU-065-1(1)
Lt = 206
Rt = 1

26 of 34 Middle St.

PLATE 3 CROSS SECTION D. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

§ 16 1.11 171

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW	BU-065-1(1) UNIT 3	1960	112	115

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

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

13+50

BU-065-1(1)
EXC = 1436
EMB = 0

BU-065-1(1)
C = 961
F = 0

13+00

BU-065-1(1)
EXC = 1183
EMB = 0

BU-065-1(1)
C = 600
F = 0

12+50

BU-065-1(1)
EXC = 1033
EMB = 0

BU-065-1(1)
C = 588
F = 0

12+00

BU-065-1(1)
EXC = 846
EMB = 0

BU-065-1(1)
C = 528
F = 0

PLATE 3 CROSS SECTION O. P. R. & R. C. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

S161.112 172

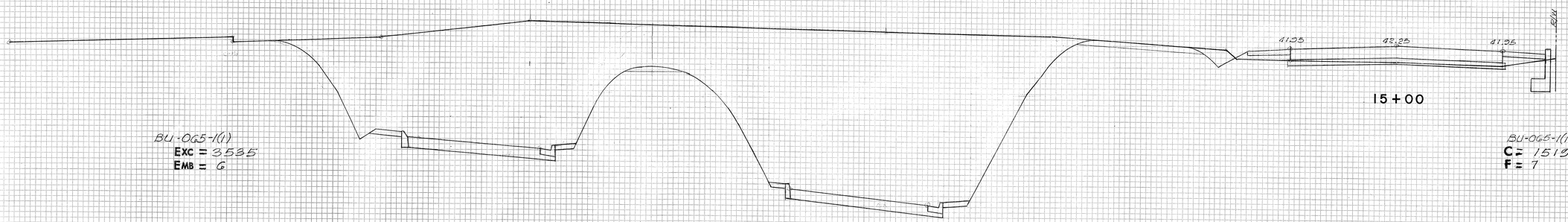
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-065-1(1) UNIT 3	1960	113	115

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED / NOTE BOOK / PG. / BY / DATE

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED / NOTE BOOK / PG. / BY / DATE

260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10

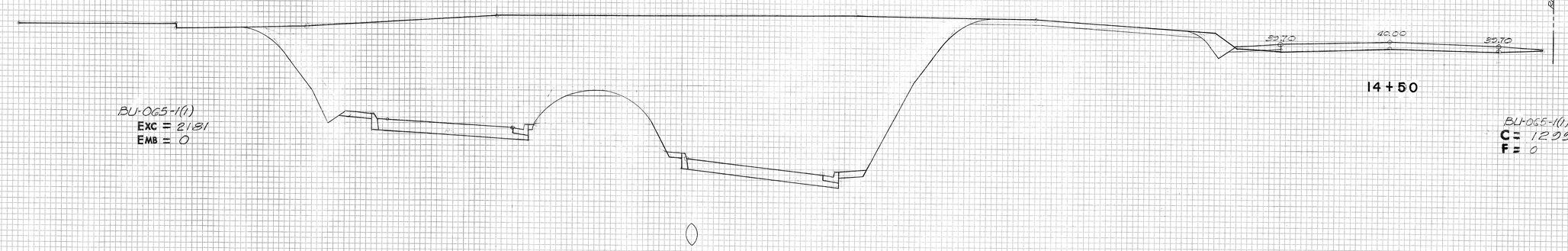
45 40 35 30 25



15+00

BU-065-1(1)
EXC = 3535
EMB = 6

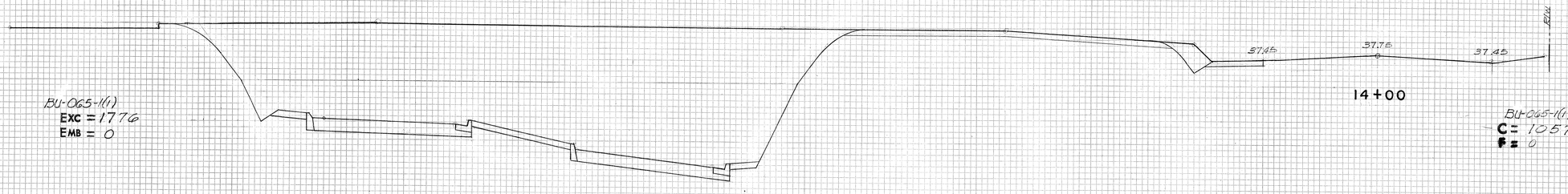
BU-065-1(1)
C = 1519
F = 7



14+50

BU-065-1(1)
EXC = 2181
EMB = 0

BU-065-1(1)
C = 1299
F = 0



14+00

BU-065-1(1)
EXC = 1776
EMB = 0

BU-065-1(1)
C = 1057
F = 0

PLATE 8 CROSS SECTION U. P. N. H. STD. STANDARD
100% 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.	BU-072-1(2) UNIT A	1960	115	118
		BU-065-1(1) UNIT A	1960	112	115

FINAL SURVEY — ORIGINAL SURVEY
SURVEYED ____ BY ____
PLOTTED ____ DATE ____
CHECKED ____
NOTE BOOK ____ PAGE ____
NO. ____ AREAS CHECKED ____

270 260 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

50 45 40 35 30 25

BU-072-1(2)
EXC = 0
EMB = 218

BU-065-1(1)
EXC = 1748
EMB = 0

43.70 43.00 43.70

BU-072-1(2)

BU-065-1(1)

16+50

BU-072-1(2)
C = 0
F = 140

BU-065-1(1)
C = 866
F = 0

45 40 35 30 25

BU-065-1(1)
EXC = 2457
EMB = 122

BU-065-1(1)

BU-065-1(1)

46.45 46.75 46.45

BU-072-1(2)

16+00

BU-065-1(1)
C = 1082
F = 0

BU-072-1(2)
C = 0
F = 86

45 40 35 30 25

BU-065-1(1)
EXC = 2018
EMB = 50

44.20 44.50 44.20

15+50

BU-065-1(1)
C = 1632
F = 47

260 250 240 230 220 210 200 190 180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60

PLATE 3 CROSS SECTION U.P.A.R.E. STANDARD
1935 RAG PAPER—MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

31 of 34 MIDDLE ST.

S174.115 S161.114 174

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(12) UNIT 4	1960	116	118
		BU-065-1(1) UNIT 3	1960	115	115

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

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

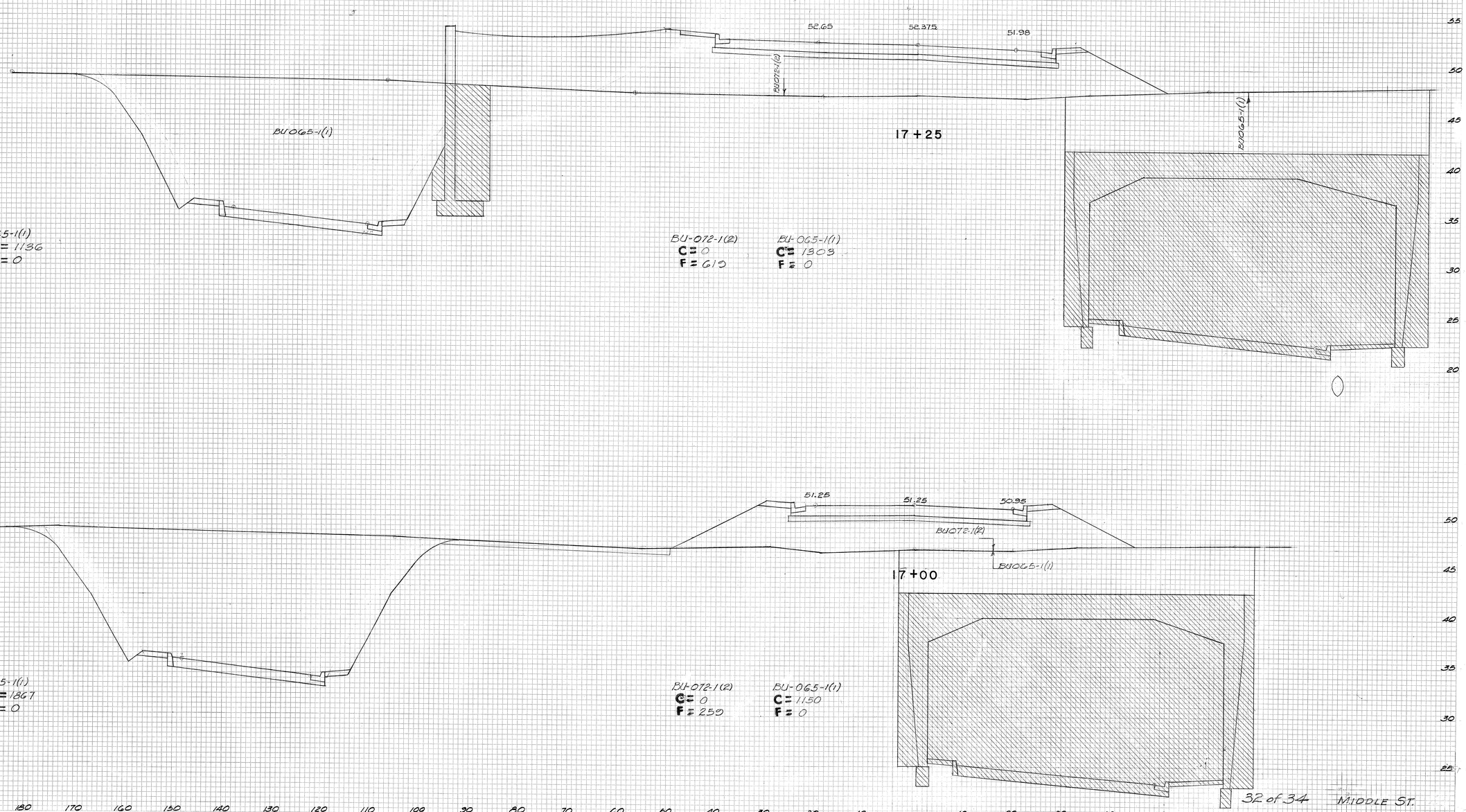


PLATE 11 CROSS SECTION S.P.R.&R.E. STANDARD
100% RAG PAPER—MADE AND PRINTED IN U.S.A.
EUGENE DIETZGEN CO.

32 of 34 MIDDLE ST.

S174.116 S161.115 175