FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(6) UNIT 2	1966	158	203

FINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / CROSS SECTIONED — NOTE BOOK — NO. — BY — DATE

ORIGINAL SURVEY — SURVEYED / PLOTTED / TEMPLATE / AREAS / CROSS SECTIONED — NOTE BOOK — NO. — BY — DATE

R/W Line

Grouted Rubble Slope Protection No. 4-A

Exc = 7847
Emb= 0

106.99 106.99

New 84" S.D.

129 + 50

Grouted Rubble Slope Protection No. 5

RAMP 10-A

Inv. Ditch
=139.05

R/W Line

Grouted Rubble Slope Protection No. 6

C = 4,290
F = 0

NOTE: Grouted Rubble Slope Protection No. 5 begins at approximate ℄ Sta. 129+18

Inv. Ditch
=139.30

Exc = 7624
Emb= 0

111.54 111.54

129 + 00

C = 4,185
F = 0

Inv. Ditch
=139.55

Exc = 7824
Emb= 0

113.09 113.09

128 + 50

C = 4,049
F = 0

Inv. Ditch
=139.8

New Conc. Cut-Off Ditch

C = 3,753
F = 0

Exc = 6606
Emb= 0

116.64 116.64

Grouted Rubble Slope Protection No. 6

128 + 00

NOTE: Conc. Cut-Off Ditch begins at approx. ℄ Sta. 127+60.

R/W Line

R/W Line

Existing Conc. Cut-Off Ditch

RAMP 10-A

Grouted Rubble Slope Protection No. 4-A

C = 3,382
F = 0

Exc = 1002
Emb= 0

116.19 116.19

New 54" S.D.

127 + 50

NOTE: Grouted Rubble Slope Protection No. 6 begins at approximate ℄ Sta. 127+75

C = 0
F = 0

NOTE: Grouted Rubble Slope Protection No. 4-A begins at approximate ℄ Sta. 127+30

BEGINNING OF EXCAVATION = STA. 127+34±

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

130 120 110 130 120 140 130 120 140 130 120

PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
J. H. WEIL CO., PHILADELPHIA.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(6) UNIT 2	1968	159	203

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

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

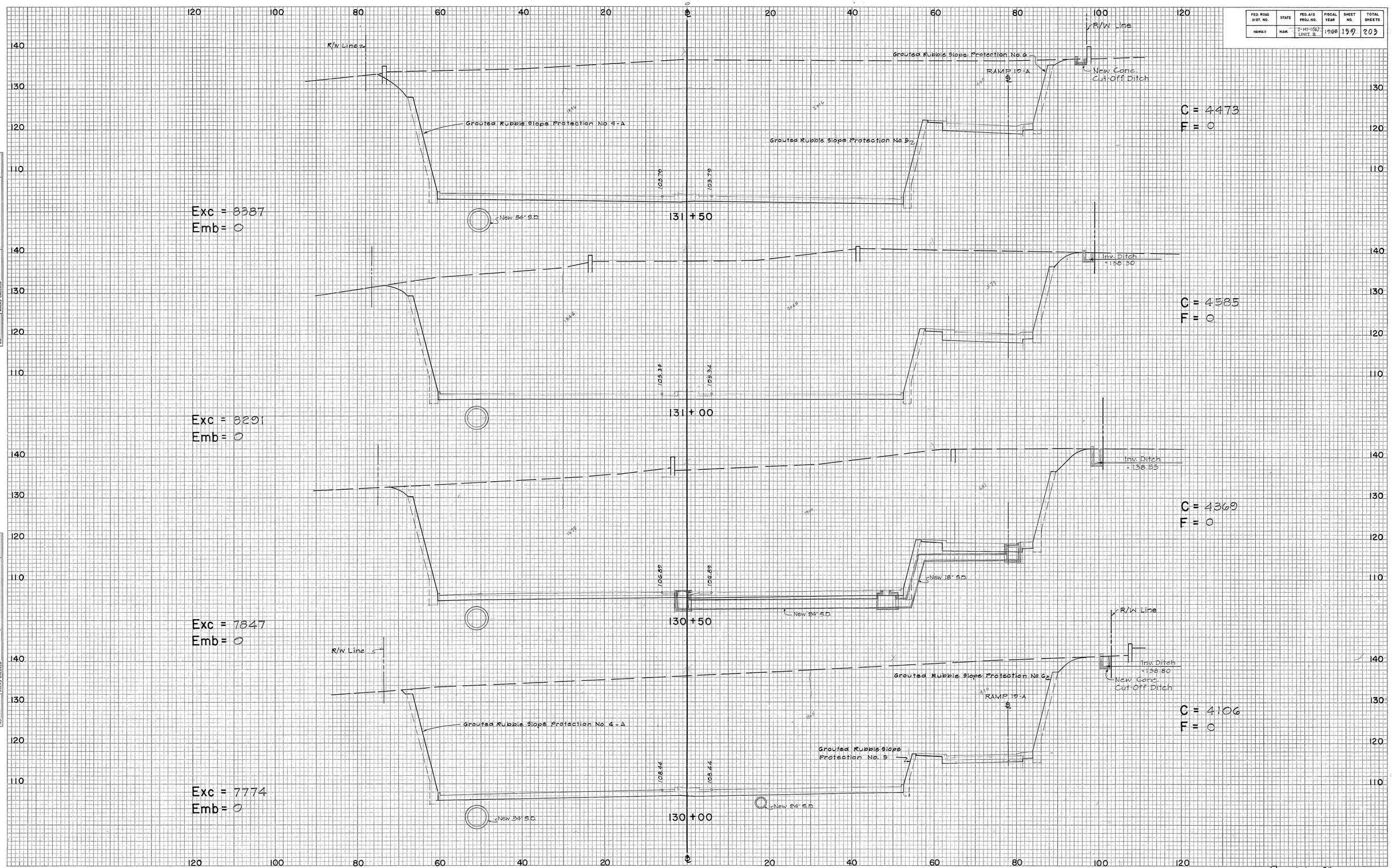


PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
J. N. WEIL CO., PHILADELPHIA.

159

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(6) UNIT 2	1966	160	203

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

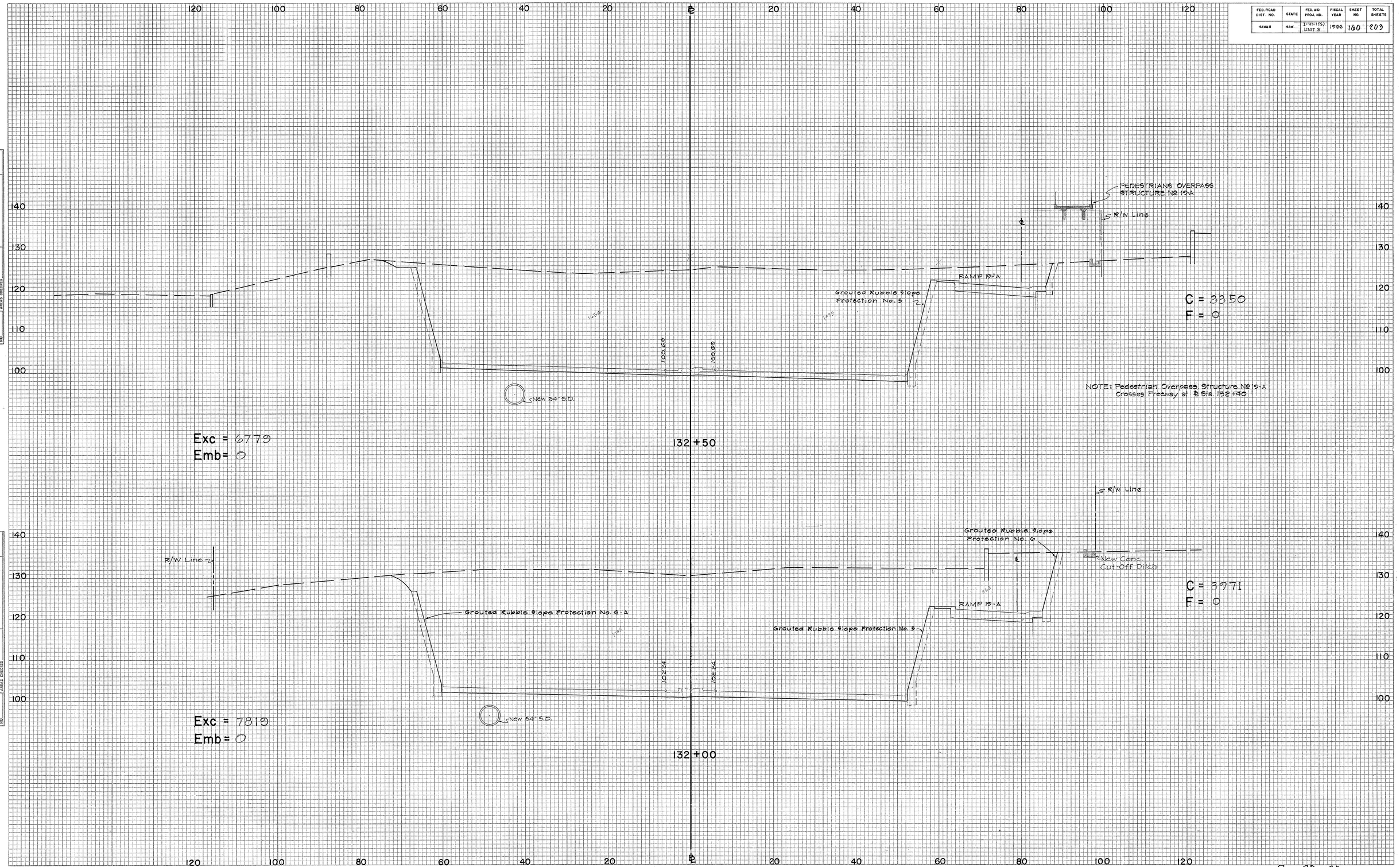


PLATE 3—CROSS SECTION O. P. R. & R. E. STANDARD
J. H. WEIL CO., PHILADELPHIA.

31

160

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(6) UNIT 2	1966	161	203

Limits of Quantity

QUANTITY LIMIT LINE

R/W Line

Pedestrian Overpass Structure No. 10-A

R/W Line

REINF. CONC. RETAINING WALL # 7

RAMP 20 1. B.

Waialae Grade Separation (Structure No. 19) Abutment No. 2

Normal cut slope

C = 2195
F = 0

96.04

96.04

New 54" SD

134+00

Exc. 4274
Emb. 0

NOTE: FOR PAY LIMITS OF STRUC. EXC. FOR RET. WALLS, SEE SHEET NOS. 48 & 49

UT existg

Ramp 20 ℄

RAMP 20 1. B.

97.59

97.59

C = 2421
F = 0

New 54" SD

133+50

Exc. 4823
Emb. 0

Limits of Quantity (Typical)

Pedestrian Overpass Structure No. 10-A

R/W Line

Quantity limit line

New Conc. Cut-Off Ditch

R/W Line

Normal Cut Slope

RAMP 20 1. B.

Waialae Grade Seperation (Structure No. 19) Abutment No. 1

Ramp 20 ℄

99.14

99.14

Grouted Rubble Slope Protection No. 5

C = 2788
F = 0

New 54" SD

133+00

NOTE: SEE STRUCTURE PLAN SHT. No. 174 FOR PAY LIMITS OF STRUC. EXC., FOR BRIDGES.

Exc. 5683
Emb. 0

NOTE: 1. All earthwork quantities are based on dimensions between limits as shown
2. See Plans for position of Base Line in median between Sta. 132+71.62 to Sta. 140+03.88

WALLACE S. MIYASHIRO
REGISTERED PROFESSIONAL ENGINEER
No. 1513
HAWAII, U.S.A.

This work was prepared by me or under my supervision.
Wallace S. Miyashiro

WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

INTERSTATE HIGHWAY
(LUNALILO FWY.)
(℄ STA. 133+00 TO 134+00)

161

PLATE A-CROSS SECTION, 8 1/2 X 11
LITHOPRINT MASTER CO., H. T. HSU
NO. 1-2-3-4

REC. BUREAU TEST NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
MANUAL	HAW.	I-HI-1(6) UNIT B	1966	162	203

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

ORIGINAL SURVEY — NOTE BOOK — NO. 5 — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED — BY — DATE

Limits of Quantity

Limits of Quantity

Limits of Quantity

R/W

Ramp 20 Lt. Rt. Edge of Pavt.

TEMP. WIDENING

EXC. 1676
EMB. 0

136+50

CONNECTION

Normal Cut Slope

REINF. CONC. RETAINING WALL # 12

New 60" S.D.

C = 845
F = 0

EXC. 1824
EMB. 0

136+00

TEMP. CONNECTION

C = 965
F = 0

EXC. 2231
EMB. 0

135+50

New 60" S.D.

C = 1005
F = 0

Ramp 20 Lt. Rt. Edge of Pavt.

EXC. 2969
EMB. 0

135+00

REINF. CONC. RETAINING WALL # 12

C = 1405
F = 0

NOTE:

1. See Plans for position of Base Line in median between Sta. 32+71.62 to Sta. 140+08.68.
2. See Struc. Plan Sht. No. 174 for pay limits of Struc. Exc. for Bridges.
3. For pay limits of Struc. Exc. For Retaining Walls, see sht. Nos. 48 & 49.

R/W

EXC. 3701
EMB. 0

134+50

Ramp 20 Lt. Rt.

REINF. CONC. RET. WALL #7

New 54" S.D.

Waialae Grade Separation (Structure No. 19) Abutment No. 2

WAIALAE GRADE SEPARATION (STRUCTURE 9) ABUTMENT #2

Normal Cut Slope

Control of Access Line

New Conc. Cut-off Ditch

C = 1802
F = 0

C.C.D. 15

WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

INTERSTATE HIGHWAY
(LUNALILO FWY.)
℄ STA. 134+50 To 136+50)

162

PLATE 3 - CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
	HAWAII	I-HI-1(6) UNIT 2	1966	163	209

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

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

R/W

Limits of Quantity

Quantity limit line
(RAMP 40 I.B. RIGHT EDGE OF PAVT.)

Quantity limit line
CONNECTION

139+00

C = 0
F = 605

Exc. 6
Emb. 824

TEMP. WIDENING

CONNECTION

R/W

138+50

C = 6
F = 285

REINF. CONC. RETAINING WALL # 12

NEW 60" R.C.P.

Exc. 90
Emb. 288

TEMP. WIDENING

CONNECTION

138+00

C = 91
F = 26

Exc. 413
Emb. 24

TEMP. WIDENING

CONNECTION

137+50

C = 855
F = 0

Exc. 853
Emb. 0

Ramp 20 I.B.

TEMP. WIDENING

Quantity limit line
(RAMP 20 I.B. RIGHT EDGE OF PAVT.)

Limits of Quantity (Typical)

CONNECTION

137+00

C = 566
F = 0

Exc. 1306
Emb. 6

REINF. CONC. RETAINING WALL # 12

NEW 60" R.C.P.

Note:
1. See plans for position of baseline in median between Sta. 132+71.62 to Sta. 140+03.88
2. For pay limits of structure Exc. for retaining walls, see Sht. Nos. 48 & 49.

PLATE 3- CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL.
NO. 1000H-3

WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

INTERSTATE HIGHWAY
(LUNALILO FWY.)
(P.E. STA. 137+00 to 139+00)

(S.S.O.15)

163

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(6) UNIT 2	1966	164	209

NOTE: QUANTITIES BETWEEN 141+03.88 AND 145+50 ARE INCLUDED IN SECTIONS FOR THE WAIALAE I.B. & O.B. FRONT. ROAD

Limits of Quantity

quantity limit line (RAMP 20 I.B. ℄)

77.92 77.92

REINF. CONC. RETAINING WALL # 11

REINF. CONC. RETAINING WALL # 12

R/W

New 24" S.D.

141+03.88

Exc. 0
Emb. 249

(RAMP 20 I.B. ℄)

77.95 77.95

C = 0
F = 1760

141+00

Exc. 0
Emb. 2847

(RAMP 20 I.B. ℄)

78.48 78.48

REINF. CONC. RETAINING WALL # 13

C = 0
F = 1700

140+50

Exc. 0
Emb. 2238

(RAMP 20 I.B. ℄)

79.17 79.17

REINF. CONC. RETAINING WALL # 11

C = 0
F = 1375

140+00

Exc. 0
Emb. 1731

Limits of Quantity

quantity limit line (RAMP 20 I.B. ℄)

80.04 80.04

quantity limit line

C = 0
F = 1042

139+50

Exc. 0
Emb. 1326

New 24" S.D.

C = 0
F = 827

Note:
1. See plans for position of Base Line in median between Sta. 132+71.62 to Sta. 140+03.88.
2. For pay limits of structure Exc. for retaining walls, see Sht. Nos. 48 & 49.

WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

INTERSTATE HIGHWAY
(LUNALILO FWY.)
(℄ STA. 139+50 TO 141+03.88)

164

PLATE 3-CROSS SECTION, P.A.A.
CLEARPRINT PAPER CO., S.F., CAL. NO. 1000-3

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

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

ST. ROAD DIV. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(6) UNIT 2	1966	165	203

Quantity limit line

Limits of Quantity

W.A. 1.B. FRONT. ℄

4+00

EXC. 15
EMB. 345

C = 8
F = 203

W.A. 1.B. FRONT. ℄

3+50

EXC. 7
EMB. 212

C = 8
F = 159

W.A. 1.B. FRONT. ℄

3+00

EXC. 10
EMB. 63

C = 6
F = 60

W.A. 1.B. FRONT. ℄

New 24" S.D.

2+50

EXC. 51
EMB. 7

Quantity limit line
(W.A. 0.B. FRONT. ℄ - W.A. 1.B. FRONT. ℄)

Limits of Quantity (Typical)

2+00

EXC. 164
EMB. 0

C = 44
F = 0

Limits of Quantity

Quantity limit line
CONNECTION

RAMP 20 O.B.

1+50

EXC. 27
EMB. 0

C = 142
F = 8

Limits of Quantity

CONNECTION

Ramp 20 O.B.

Back Face of Curb

CRM Wall #18

New 60" S.D.

1+45

C = 150
F = 7

NOTE: Quantities between Stations 4+50 & 14+45 shall be included in quantities for RAMP 20 O.B. and the Freeway

Limits of Quantity

Quantity limit line

W.A. 1.A.E. GRADE SEPARATION
(Centerline ℄)

4+50

FREEWAY EXC. NOT INCLUDED

EXC. 7
EMB. 206

C = 0
F = 120

WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

C. C. D. 15

W.A. C.B FRONTAGE ROAD

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

165 IR

FED ROAD DIST. NO.	STATE	FED AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(6) UNIT 2	1966	166	203

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

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

Freeway ℄ — Limits of Quantity — TEMP. WIDENING — R/W — Quantity limit line

CRM Wall # 18 — New 60" S.D. — 16+00 — C-6 F-91 — EXC. 14 Emb. 42

Freeway ℄ — Limits of Quantity — TEMP. WIDENING — CONNECTION — 15+77 — C-27 F-125 — EXC. 4 Emb. 14

NOTE: For pay limits of structure Exc. for Bridges, see sht. No. 200

ABUTMENT # 1 — 15+72 — C-13 F-21.60 — EXC. 8 Emb. 25

NOTE: For pay limits of structure Exc. for Retaining Walls, see Sht. Nos. 48 & 49.

REINF. CONCRETE RETAINING WALL # 13 — CONNECTION — 15+50 — C-7 F-40.60 — EXC. 76 Emb. 79

Quantity limit line — Limits of Quantity (typical) — CONNECTION — R/W — RAMP NO. 0.8 — CRM Wall # 18 — NON 60" S.D. — 15+00 — C-15 F-45.70 — EXC. 201 Emb. 49

Limits of Quantity — R/W — Quantity limit line — 18+50 — C-73 F-3 — New 60" or 66" S.D. — EXC. 127 Emb. 11

10% SLOPE TO EXIST. GRADE — 18+00 — C-64 F-9 — 60" or 66" S.D. — EXC. 114 Emb. 56

Limits of Quantity — TEMP. WIDENING — 60" C.P. — 17+50 — C-59 F-45 — EXC. 71 Emb. 73

17+00 — C-26 F-34 — NON 24" S.D. — EXC. 96 Emb. 163

Limits of Quantity — TEMP. WIDENING — R/W — CRM Wall # 18 — New 60" S.D. — 16+50 — C-6 F-142 — EXC. 111 Emb. 215

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

WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

(3)-(0)-(0)-15
WA. O.B. FRONTAGE ROAD

166

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(6) UNIT B	1966	167	203

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

10 20 $\mathbb{Q}$ 20

50

40

$\mathbb{Q}$

K/W

New 8'x 8' Box Culvert

EQUATION STATION 20+06.33 =

℄ STATION 145 + 33.43

C = 0

F = 0

New 8'x 8' Box Culvert

20+00

C = 0

F = 0

Exc. 76

Emb. 0

19+50

C = 0

F = 0

Limits of Quantity (typical)

Quantity Limit Line (Frwy. ℄)

K/W

New S.D.

19+00

C = 82

F = 0

Exc. 144

Emb. 3

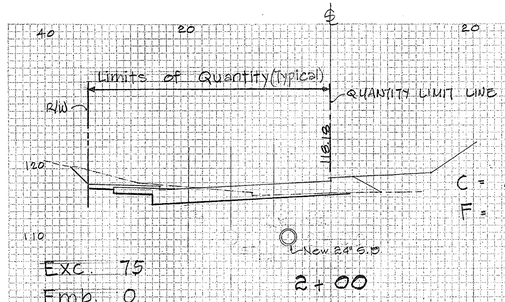
WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

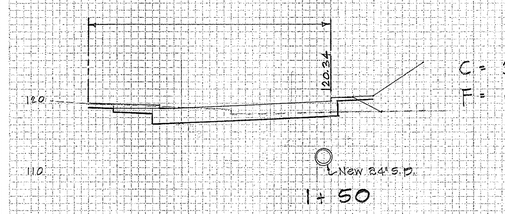
WA. O.B. FRONTAGE ROAD

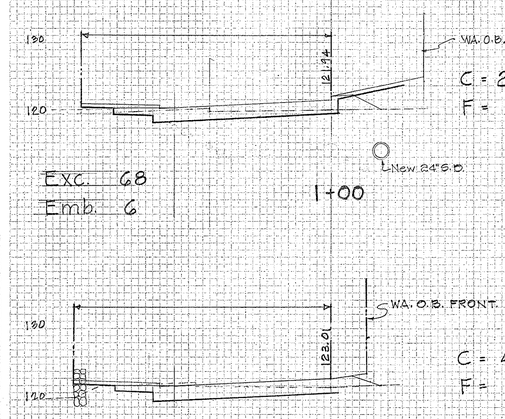
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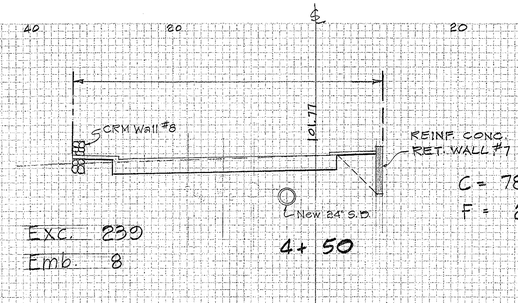
PLATE 3 CROSS SECTION O. P. R. & R. E. STANDARD
100% RAG PAPER-MADE AND PRINTED IN U. S. A.
EUGENE DIETZGEN CO.

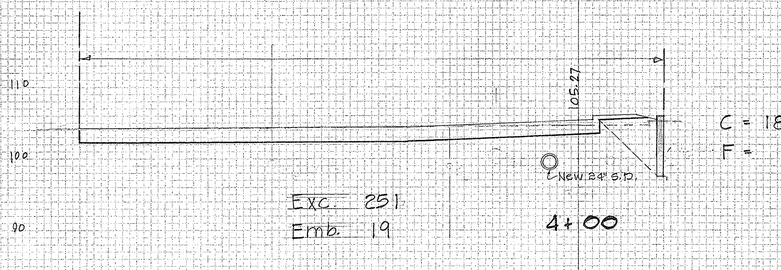
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	T-HI-1(2) UNIT 2	1966	160	203

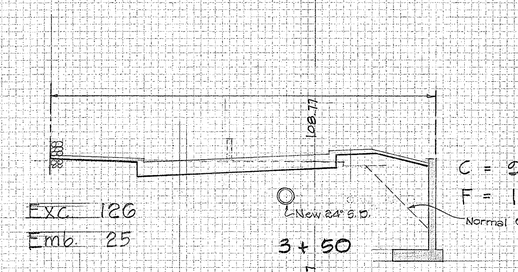


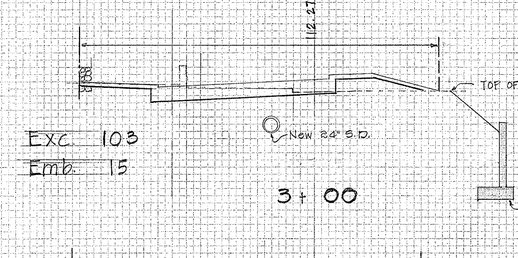


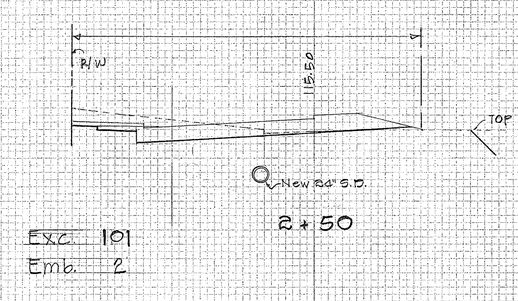


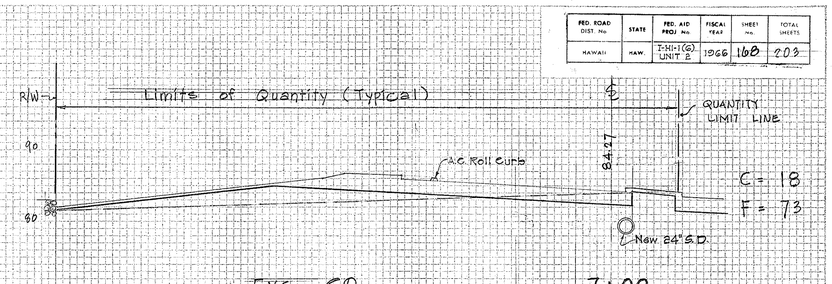


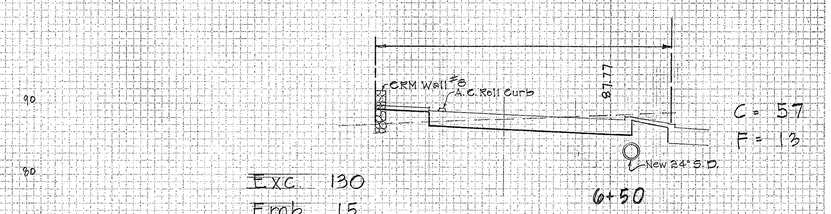


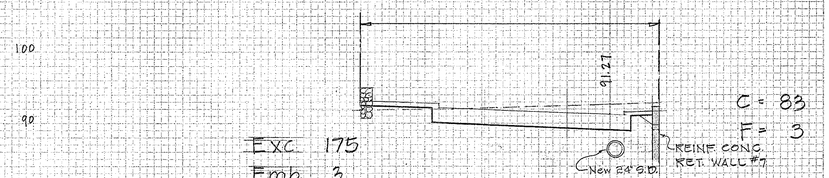




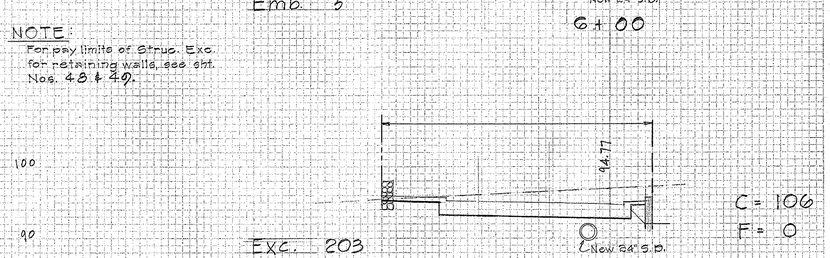


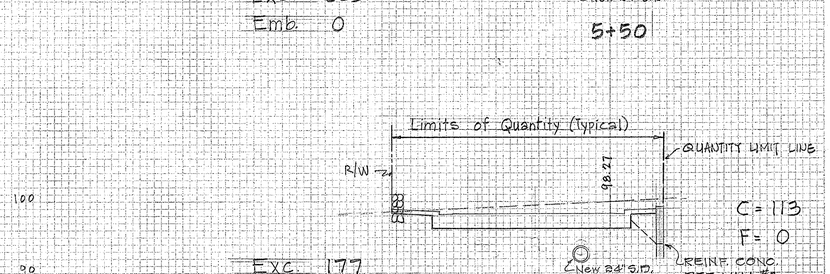






NOTE:
For pay limits of Struc. Exc. for retaining walls, see sht. Nos. 48 & 49.





WA. I.B. FRONTAGE ROAD

PLATE 3 CROSS SECTION, H.A.S.
CLEARPRINT PAPER CO., S.F. CAL.
NO. 1009H-S

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(6) UNIT 2	1966	169	203

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

RAMP 20 I.B. ℄
C = 0
F = 325
A.C. Roll Curb
RENE CONC. RET. WALL #10
Exc. 0
Emb. 45
8+50

RAMP 20 I.B. ℄
C = 0
F = 340
A.C. Roll Curb
8+46.37
NOTE: For way limits of struc. Exc. for retaining walls, see sht. Nos. 48 & 49

RAMP 20 I.B. ℄
C = 0
F = 358
A.C. Roll Curb
RENE CONC. RET. WALL #10
Exc. 0
Emb. 316
8+46.37 - (RAMP 20 I.B. Sta. 6+63.21)

RAMP VIA ℄ C.B.
C = 0
F = 10
A.C. Roll Curb
QUANTITY LIMIT LINE
Exc. 9
Emb. 61
8+00

Limits of Quantity (Typical)
RAMP VIA EDGE
A.C. Roll Curb
QUANTITY LIMIT LINE
RAMP 20 I.B. ℄
A.C. Roll Curb
C = 10
F = 10
New 24" S.D.
Exc. 26
Emb. 77
7+50

1-LANE WIDENING
RAMP 20 I.B. ℄
C = 0
F = 226
Exc. 0
Emb. 171
10+00

TEMP. WIDENING
RAMP 20 I.B. ℄
C = 0
F = 260
Exc. 0
Emb. 24
9+81

QUANTITY LIMIT LINE
RENE CONC. RET. WALL #10
TEMP. WIDENING
C = 0
F = 1175
Exc. 0
Emb. 232
9+78

TEMP. WIDENING
C = 0
F = 275
Exc. 0
Emb. 569
9+50

RENE CONC. RET. WALL #10
TEMP. WIDENING
RAMP 20 I.B. ℄
C = 0
F = 340
Exc. 0
Emb. 616
9+00

Limits of Quantity (Typical)
QUANTITY LIMIT LINE
TEMP. WIDENING
℄ (QUANTITY LIMIT LINE)
C = 105
F = 7
New 24" S.D.
Exc. 71
Emb. 4
10+00

TEMP. WIDENING
℄ (QUANTITY LIMIT LINE)
C = 76
F = 4
New 24" S.D.
Exc. 46
Emb. 4
11+68.29
EQUATION STA. 11+68.29 (BACK) = 9+78.63 (FORWARD)

TEMP. WIDENING
℄ (QUANTITY LIMIT LINE)
C = 62
F = 0
New 24" S.D.
Exc. 30
Emb. 68
11+50

TEMP. WIDENING
C = 2
F = 62
New 24" S.D.
Exc. 2
Emb. 156
11+00

TEMP. WIDENING
RAMP 20 I.B. ℄ (QUANTITY LIMIT LINE)
C = 0
F = 107
New 24" S.D.
Exc. 0
Emb. 308
10+50

Q.G.O.15
WA.I.B. FRONTAGE ROAD

PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

169 R

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWA.	HAW.	I-H-1(6) UNIT B	1966	170	203

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

Limits of Quantity (Typical)

℄ R/W

47.44

12+00

Exc. 185
Emb. 0

C = 100
F = 0

46.57

11+50

Exc. 320
Emb. 0

C = 100
F = 0

℄ R/W

11+00

QUANTITY LIMIT LINE

L-R/W

48.15

Exc. 351
Emb. 0

C = 255
F = 0

Limits of Quantity (Typical)

℄ (QUANTITY LIMIT LINE)

R/W

TEMP. INTERFACE

52.03

10+50

Exc. 212
Emb. 6

C = 24
F = 0

D = 36.84
EQUATION: STA. 12+36.84 (BACK) = ℄ STA. 145+33.43 (FORWARD)

℄ R/W

10+25

Exc. 73
Emb. 0

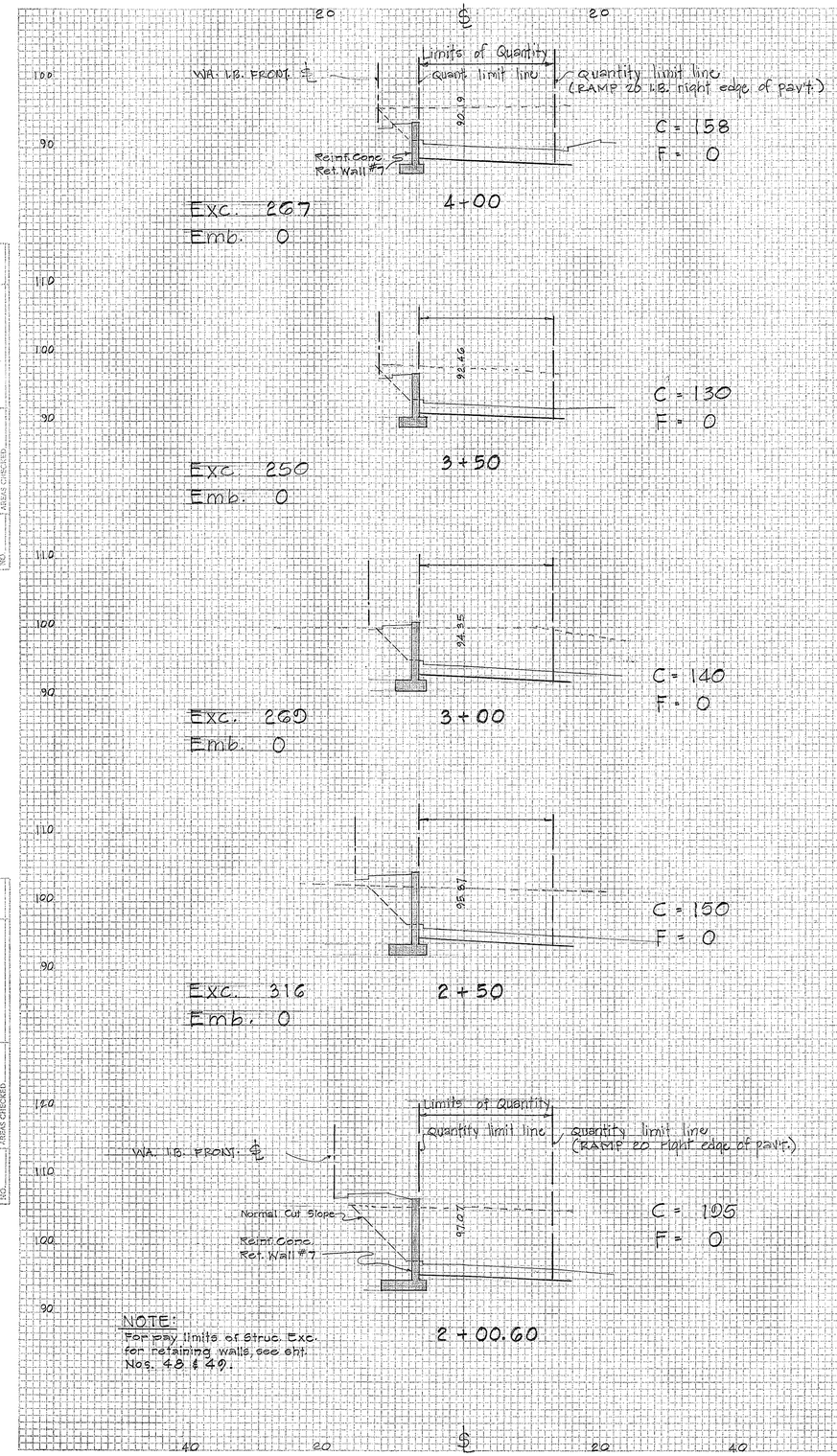
C = 58
F = 0

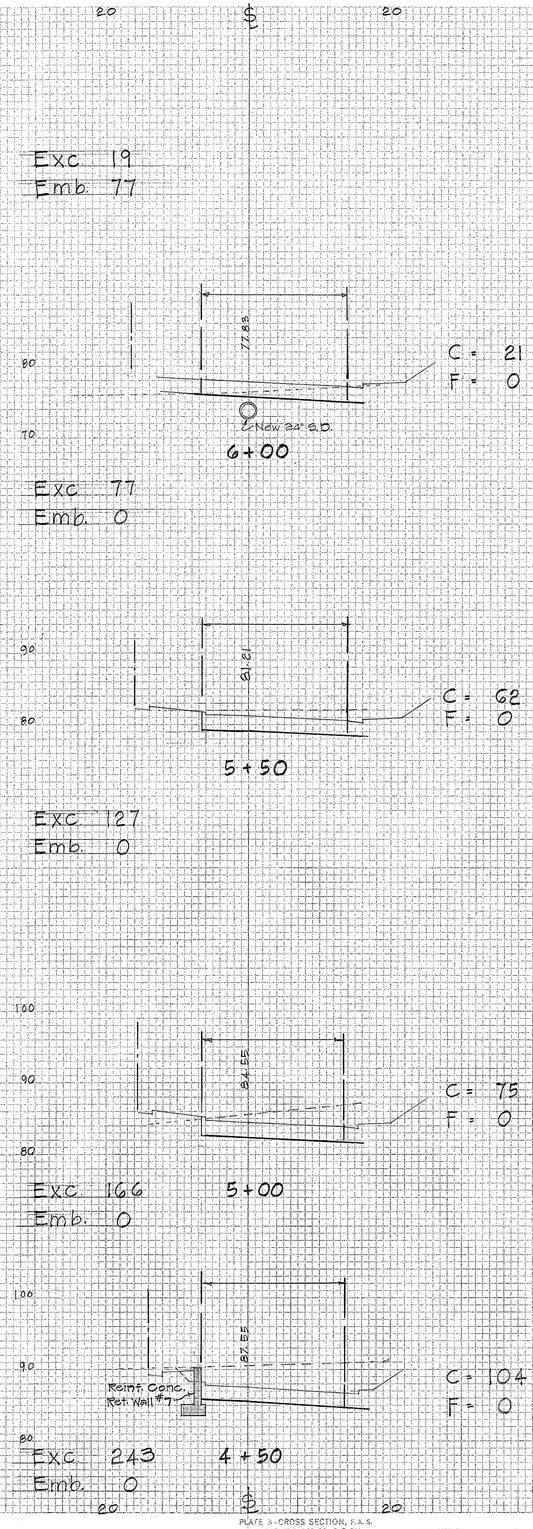
C.C.O.: 15
WA. I.B. FRONTAGE ROAD

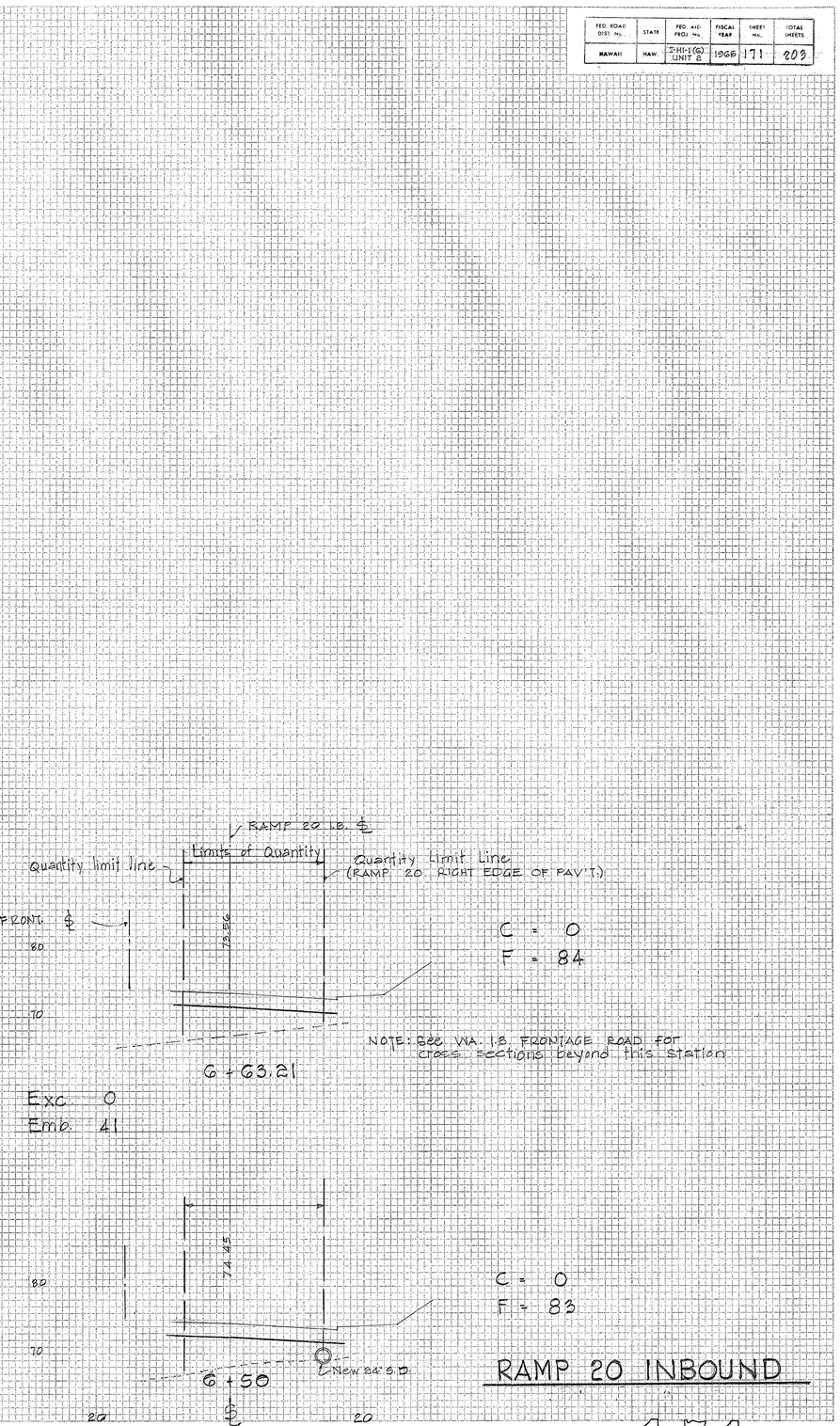
170R

PLATE 3 - CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(6) UNIT 2	1966	171	203







RAMP 20 INBOUND

171

PLATE 3 - CROSS SECTION, F.A.S. CLEARPRINT PAPER CO., S. F. CAL. NO. 1030H-3

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(6) UNIT 2	1966	172	209

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
DRAWN
TRACED
TEMPLATE
AREAS
QUANS
HEAD CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO. M
SURVEYED
DRAWN
TRACED
TEMPLATE
AREAS
QUANS
HEAD CHECKED
BY
DATE

9+00
Exc. 524
Emb. 0
C = 315
T = 0
℄ New 24" S.D.
℄ New C&M Wall #17

8+50
Exc. 607
Emb. 0
C = 326
T = 0
℄ New 24" S.D.

8+00
Exc. 634
Emb. 0
C = 330
T = 0
℄ New 24" S.D.

7+50
Exc. 432
Emb. 43
C = 355
T = 0
℄ New 24" S.D.

7+05.78
℄ Normal Cut Slope
REINF. CONC. RET. WALL #18
Limits of Quantity (typical)
℄ New C&M Wall #16
C = 173
T = 52
℄ New 24" S.D.

NOTE:
For pay limits of struc. Exc. for retaining walls, see sht. Nos. 48 & 49.

11+19
Exc. 106
Emb. 52
C = 158
T = 44
℄ New 60" S.D.

11+00
Exc. 202
Emb. 125
C = 144
T = 103
℄ New 60" S.D.

10+50
Exc. 291
Emb. 37
C = 74
T = 32
℄ New 60" S.D.

10+00
Exc. 430
Emb. 58
C = 240
T = 8
℄ New 24" S.D.

9+50
Exc. 499
Emb. 51
C = 224
T = 55
℄ New 24" S.D.
℄ New C&M Wall #17

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

WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

RAMP 20 OUTBOUND

172

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(6) UNIT 5	1966	173	203

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

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

Limits of Quantity — Quantity limit line — Control of Access Line — New Conc. Cut-Off Ditch — C=21 F=3 — 9+50 — Exc. 397 Emb. 64

NOTE: For Pay Limits of Struc. Exc. for Bridges, See Sht. No. 174

Limits of Quantity — R/W & Quantity Limit Line — 116.91 — C=218 F=56 — Sidewalk — Wasiele Grade Separation (Struc. #17) Abut. #2 — 9+00 — Exc. 284 Emb. 52

Grouted Rubble Slope Protection #5 — 115.44 — C=35 F=0 — 8+50 — Exc. 116 Emb. 0

Limits of Quantity — 104.85 — C=90 F=0 — 8+00 — Exc. 202 Emb. 5

Pedestrian Overpass Structure No. 19-A — Quantity limit line — Limits of Quantity (typ.) — R/W — New Conc. Cut-Off Ditch — C=173 F=0 — Grouted Rubble Slope Protection #6

Grouted Rubble Slope Protection #5 — 7+58.75 ± (@ STA. 132-50)

RAMP 19-A

83.00 — REINF. CONC. RET. WALL #9 — C=0 F=104 — 0+50 — Exc. 0 Emb. 175

R/W & QUANTITY LIMIT LINE — Limits of Quantity (Typical) — Quantity limit line — 85.42 — R.C. Railing — C=0 F=85 — 0+00 — Exc. 0 Emb. 173

RAMP WA

Limits of Quantity — R/W — Quantity limit line — 107.54 — CRM Wall #17 — Normal Cut Slope — New 84"SD — REINF. CONC. RET. WALL #18 — C=84 F=30 — 10+31.95 — Exc. 387 Emb. 23

NOTE: For Pay Limits of Struc. Exc. for Retaining Walls, See Sht. Nos. 48 & 49.

102.50 — New 84" SD — C=234 F=9 — 10+00 — Exc. 412 Emb. 19

REINF. CONC. RET. WALL #18

REINF. CONC. RET. WALL #9 — 77.43 — Quantity limit line — C=0 F=408 — 2+87.83 — Exc. 0 Emb. 578

NOTE: For pay limits of Struc. Exc., for Retaining Walls, See Sht. Nos. 48 & 49.

117.75 — C=0 F=417 — 2+50 — Exc. 0 Emb. 755

Limits of Quantity (typ.) — 83.39 — C=0 F=396 — 2+00 — Exc. 0 Emb. 614

115.48 — C=0 F=332 — 1+50 — Exc. 0 Emb. 472

R/W — 84.12 — Quantity limit line — REINF. CONC. RET. WALL #9 — C=0 F=178 — 1+00 — Exc. 0 Emb. 261

WILSON, OKAMOTO, OKA, INC.
PARK ASSOCIATES, INC.
ARCHITECTS & ENGINEERS

PLATE 3 CROSS SECTION C. P. R. & R. E. STANDARD
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EUGENE DIETZGEN CO.

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