FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24):11	1983	276	328

True North
Scale: 1" = 100'

MATCH LINE STA. 100+00

SERVICE ROAD

KAMEHAMEHA

RAMP "C"

RAMP "D"

RAMP "E"

RAMP "F"

RAMP "G"

RAMP "H"

RAMP "A"

RAMP "B"

ROUTE H-1 INTERSTATE

H-1 FREEWAY

SERVICE ROAD

KAMEHAMEHA

KOOLAU VIEW DR.

KAHIKO ST.

To Kaneohe

MATCH LINE STA. 100+00

KIONAOLE ROAD

STA. 420+20

STA. 510+00

STA. 600+00

To Kaneohe

To Castle Junction

GEORGE YOKOTA
REGISTERED PROFESSIONAL ENGINEER
No. 1156
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

George Yokota

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTION MASTERPLAN

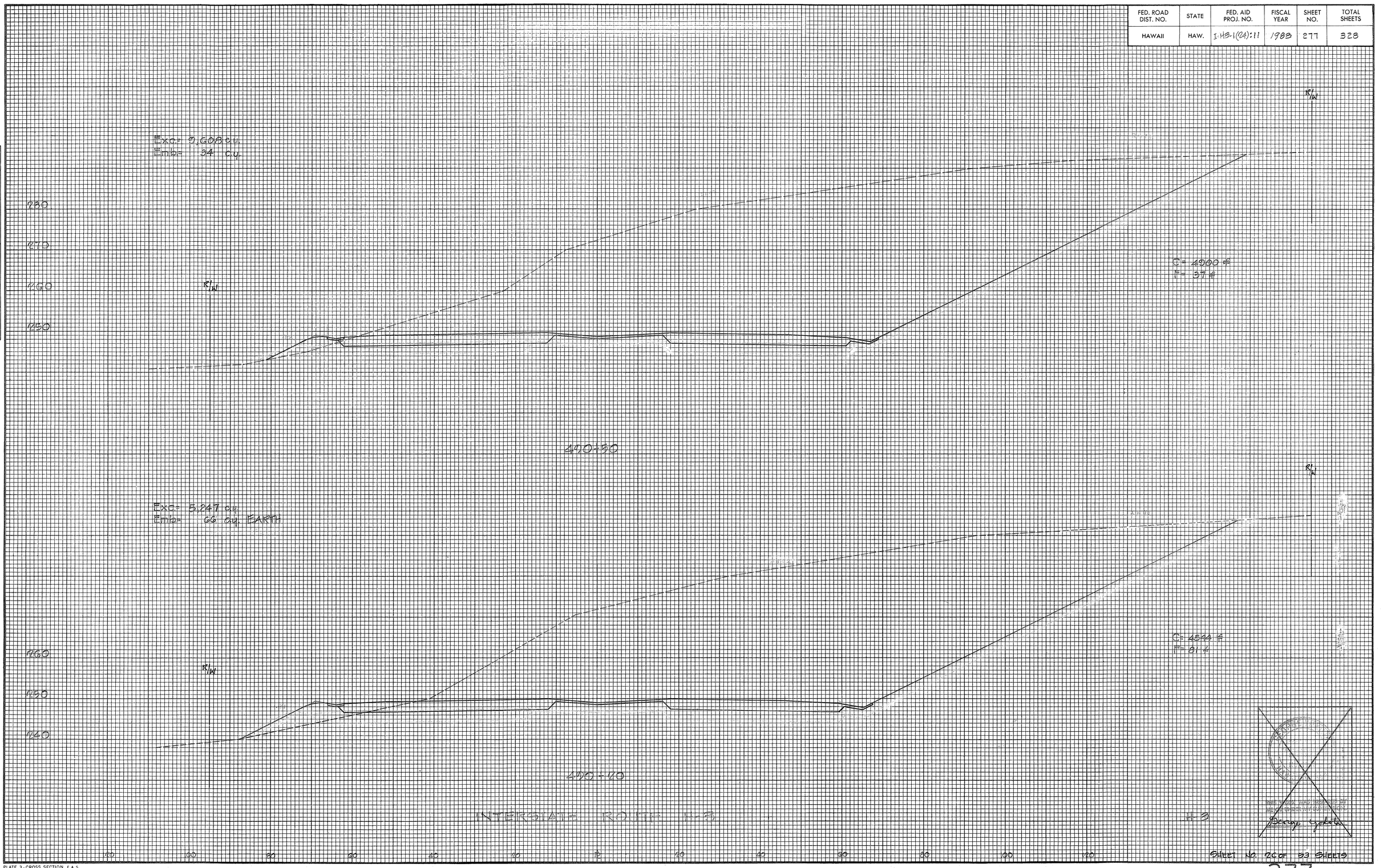
HALEKOU INTERCHANGE
F.A.I. Project No. I-HB-1(24):11
Scale: As shown Date: June 1978

SHEET NO. 1C OF 53 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24):11	1983	277	328

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

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



SHEET NO. 126 OF 328 SHEETS

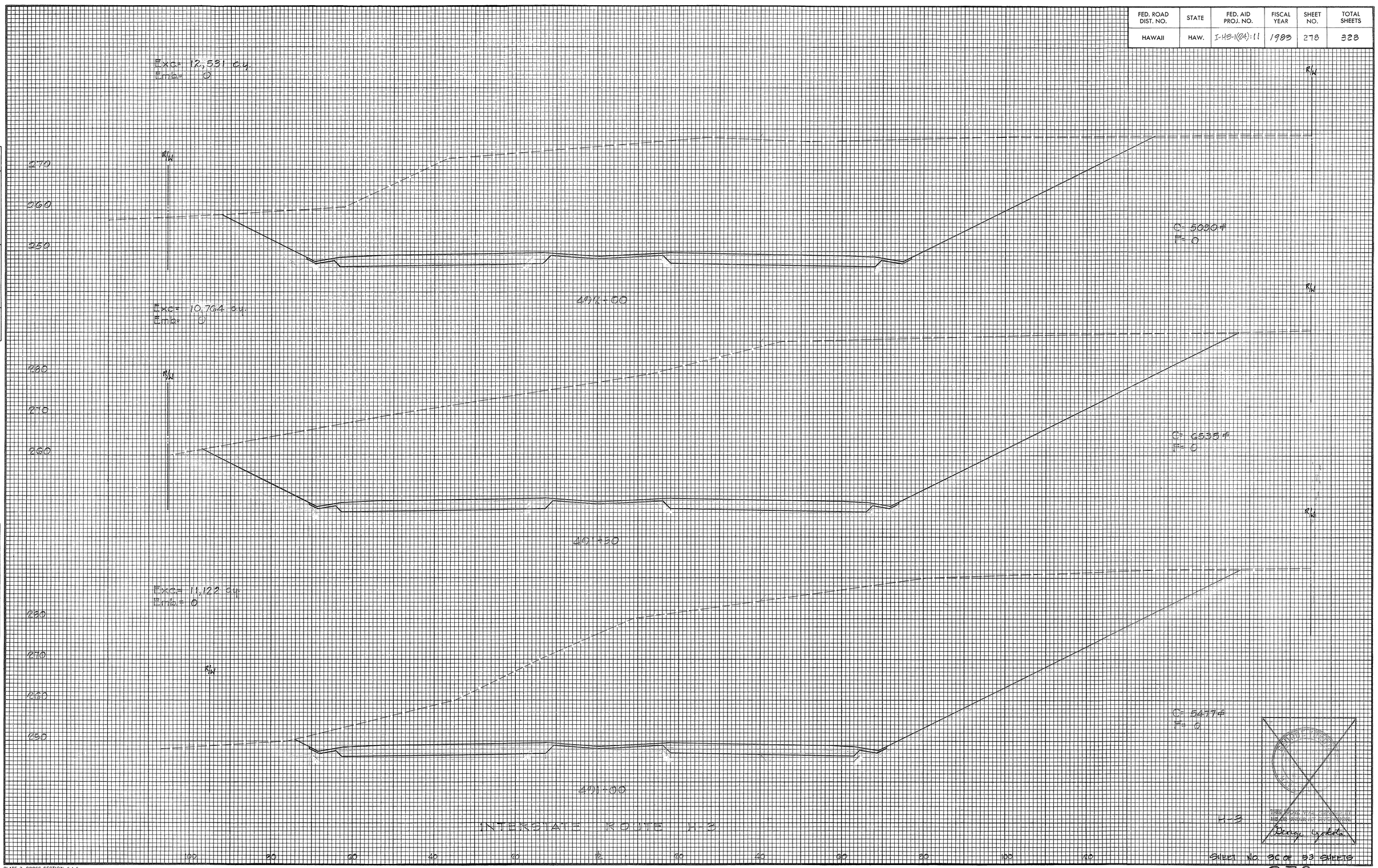
277

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-HS-1(24):11	1983	278	328

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 ____



H-3

THIS PLANS WAS PREPARED BY ME OR UNDER MY SUPERVISION
Bruce Updike

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

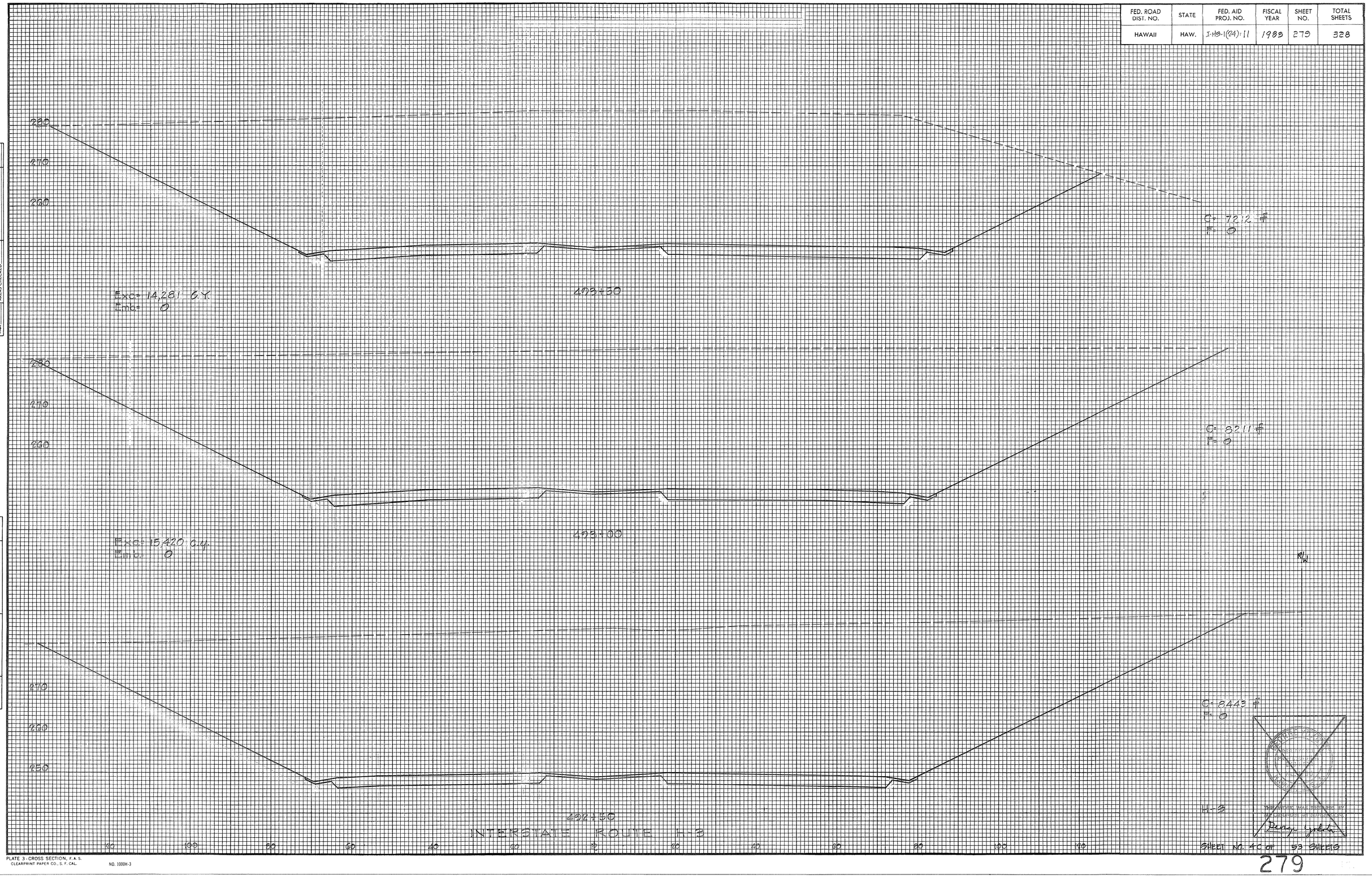
SHEET NO. 30 OF 33 SHEETS

278

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24):11	1983	279	328

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



THIS PLAN WAS PREPARED BY OR UNDER THE DIRECTION OF THE FOLLOWING REGISTERED ENGINEER

H-3

SHEET NO. 40 OF 53 SHEETS

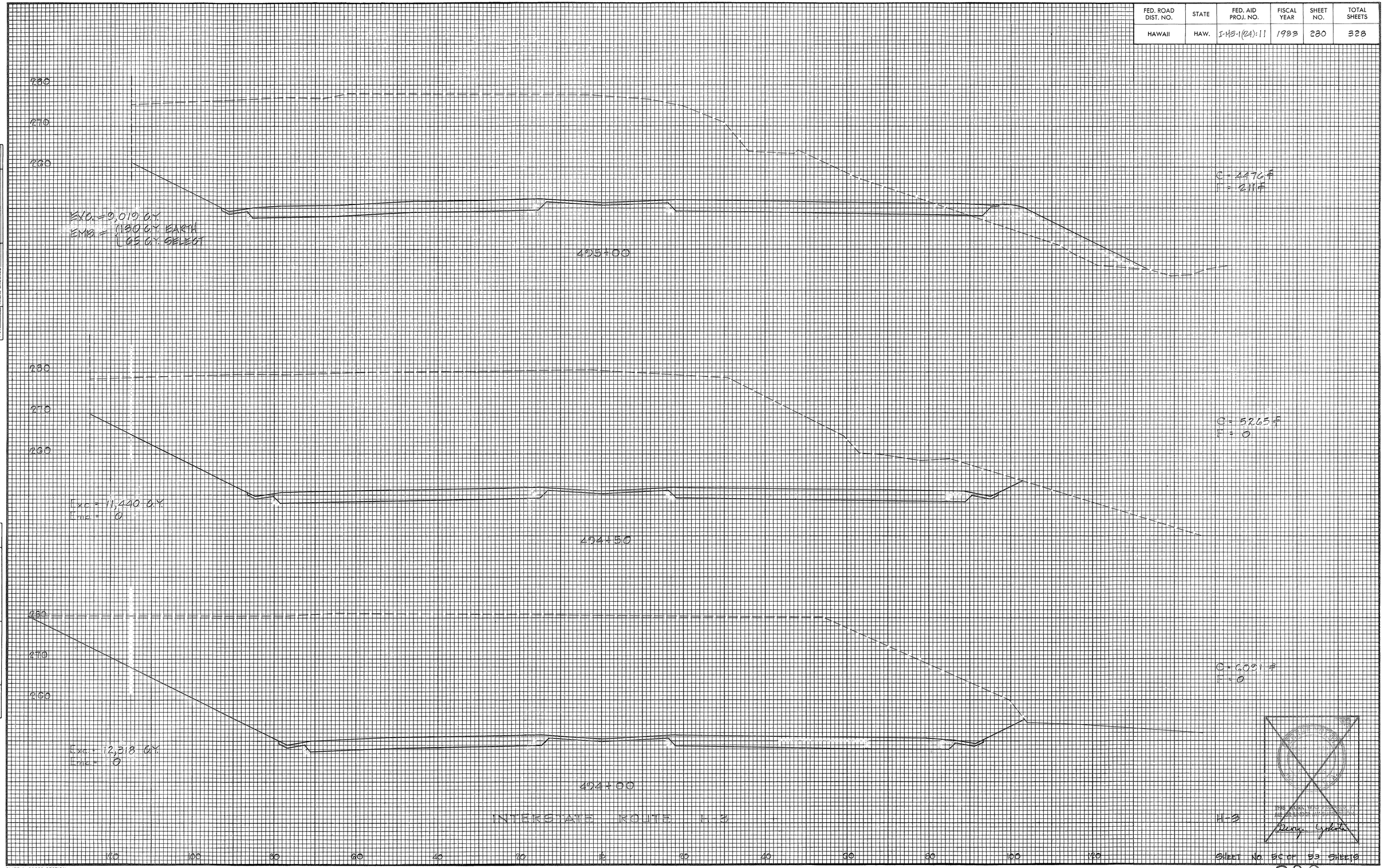
279

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-HB-1(24):11	1983	280	328

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

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Doug Yukota

SHEET NO. 5C OF 53 SHEETS

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-HB-1(24): 11	1983	281	328

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

270
265
260
270
260
255
270
260
250
270
260
250

RAMP "A"
GRADE CONTROL POINT
C= 311 F
F= 2851 F
B= 1140 F
R/W
BLANKET
407+00
EXC. = 818 C.Y.
EMB = 3,332 C.Y. EARTH
= 1,666 C.Y. SELECT
BLANKET = 733 C.Y.

RAMP "A"
GRADE CONTROL POINT
C= 372 F
F= 2547 F
B= 544 F
R/W
BLANKET
400+50
EXC. = 1,968 C.Y.
EMB = 4,501 C.Y. EARTH
1,205 C.Y. SELECT
BLANKET = 506 C.Y.

RAMP "A"
GRADE CONTROL POINT
C= 205 F
F= 1650 F
B= 202 F
R/W
BLANKET
396+00
EXC. = 2,817 C.Y.
EMB = 1,312 C.Y. EARTH
661 C.Y. SELECT
BLANKET = 1262 C.Y.

RAMP "A"
GRADE CONTROL POINT
C= 213 F
F= 492 F
B= 81 F
R/W
BLANKET
392+50
EXC. = 6,123 C.Y.
EMB = 434 C.Y. EARTH
217 C.Y. SELECT
BLANKET = 76 C.Y.

H-3
THIS WORK WAS PREPARED UNDER MY DIRECTION OR SUPERVISION
Gary Yates

INTERSTATE ROUTE H-3

80 60 60 40 60 40 60 80 100

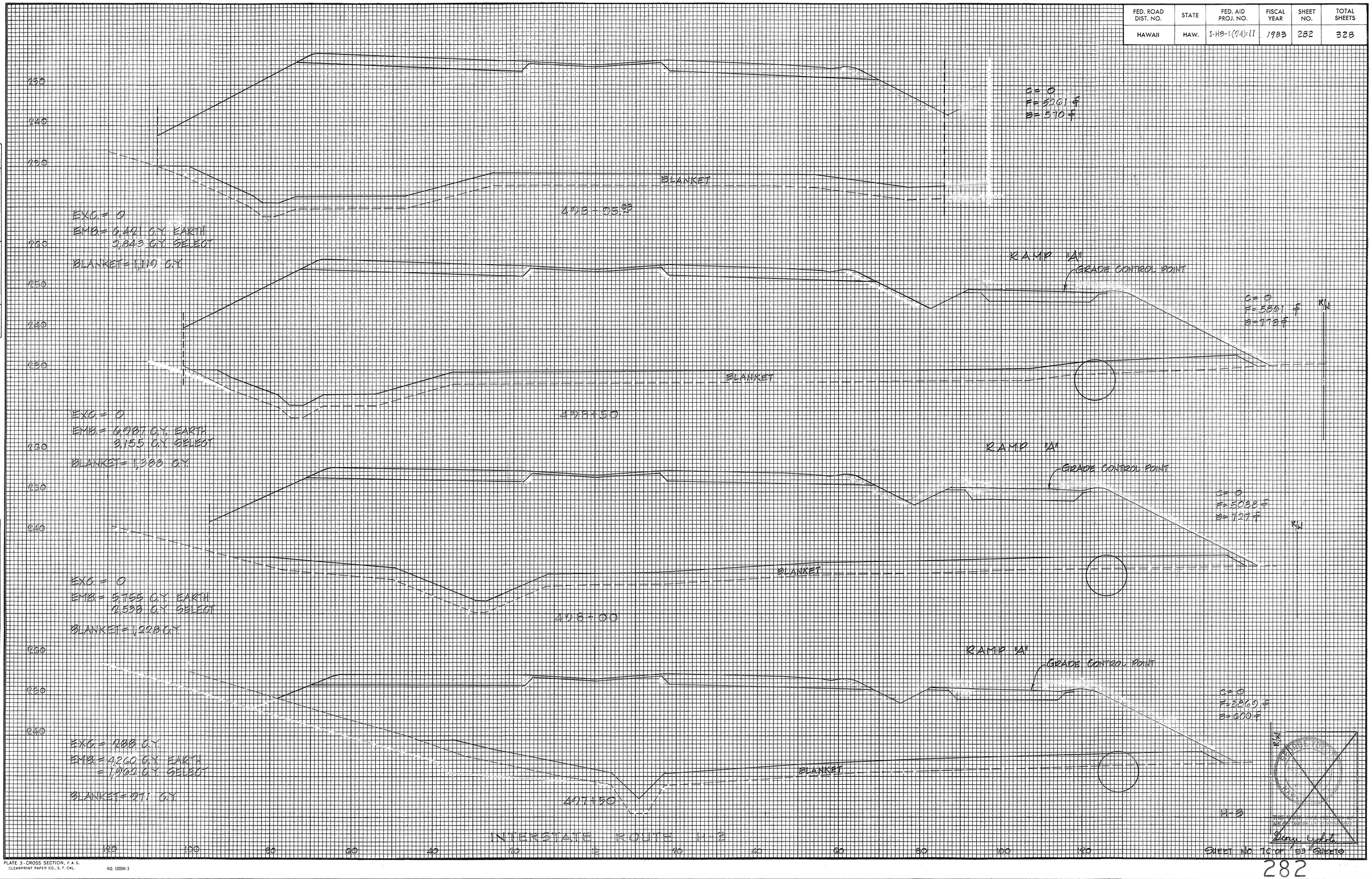
SHEET NO. 6C OF 53 SHEETS

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-HB-1(24):11	1983	282	328

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



H-3

REGISTERED PROFESSIONAL ENGINEER
No. 5080
STATE OF HAWAII

SHEET NO 7C OF 53 SHEETS

282

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-H3-1(04):11	1983	283	328

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

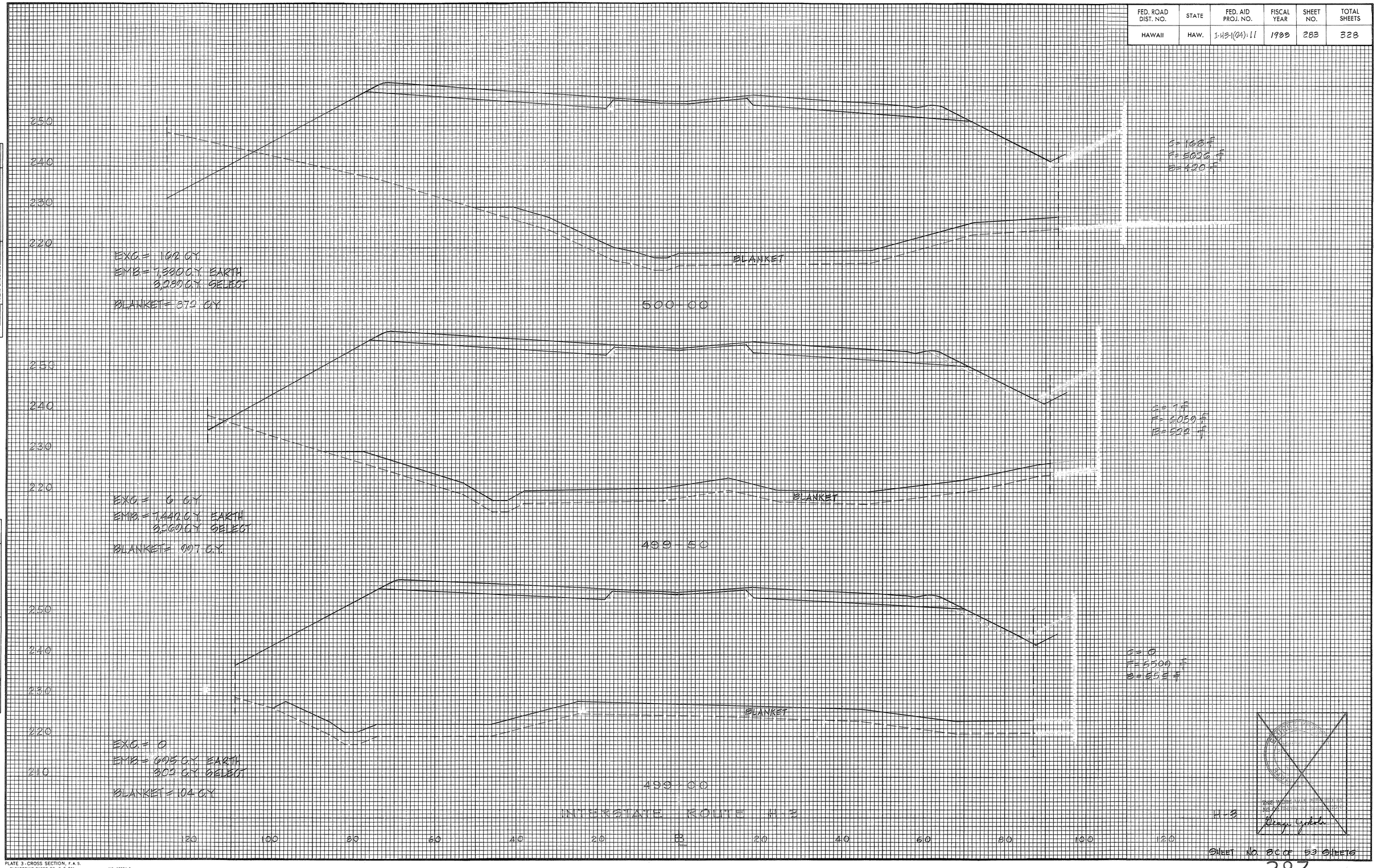


PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL.

NO. 1000H-3

H-3

SHEET NO 283 OF 328 SHEETS

283

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24):11	1983	284	328

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

EXC = 0
EMB = 0.000 C.Y.
4,268 C.Y.
BLANKET = 4,150 C.Y.

S = 0
F = 1553 S.F.
E = 780 F

EXC = 0
EMB = 0.749 C.Y. EARTH
4,355 C.Y. SELECT
BLANKET = 1,378 C.Y.

S = 0
F = 1736 S.F.
E = 108 F

EXC = 5 C.Y.
EMB = 0.415 C.Y. EARTH
4,218 C.Y. SELECT
BLANKET = 1,200 C.Y.

F = 5 S.F.
F = 6088 S.F.
E = 507 F

EXC = 160 C.Y.
EMB = 8,113 C.Y. EARTH
3,566 C.Y. SELECT
BLANKET = 643 C.Y.

250
240
230
220
260
250
240
230
220
260
250
240
230
220

BLANKET

501 + 50

501 + 00

500 + 50

INTERSTATE ROUTE H-3

120 100 80 60 40 20 0 20 40 60 80 100 120

H-3

THIS WORK WAS PERFORMED BY ME OR UNDER MY SUPERVISION

SHEET NO. 97 OF 53 SHEETS

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

284

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24)-11	1983	285	328

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

EXC. = 41
EMB = 7,507 C.Y. EARTH
6,686 C.Y. SELECT
SURCHARGE = 5804 C.Y.
REMOVAL OF SURCHARGE = 4643 C.Y.
BLANKET = 690 C.Y.

BRIDGE SURCHARGE

S = 2,166 ft
C = 0
T = 6,760 ft
B = 47 ft

503+00

EXC. = 41
EMB = 7,169 C.Y. EARTH
5502 C.Y. SELECT
SURCHARGE = 6118 C.Y.
REMOVAL OF SURCHARGE = 4804 C.Y.
BLANKET = 600 C.Y.

BRIDGE SURCHARGE

S = 2,102 ft
C = 41
T = 5,138 ft
B = 216 ft

502+50

EXC. = 0
EMB = 8,309 C.Y. EARTH
4,206 C.Y. SELECT
SURCHARGE = 1,021 C.Y.
REMOVAL OF SURCHARGE = 1344 C.Y.
BLANKET = 360 C.Y.

S = 0
C = 0
T = 6,602 ft
B = 408 ft

502+00

INTERSTATE ROUTE H-2

H-3

160 140 120 100 80 60 40 26 18 20 40 60 80 100 120

THE ORIGINAL OF THIS PLAN IS ON FILE IN THE OFFICE OF THE DIRECTOR OF TRANSPORTATION

Ping Yuen

SHEET NO. 10C OF 33 SHEETS

285

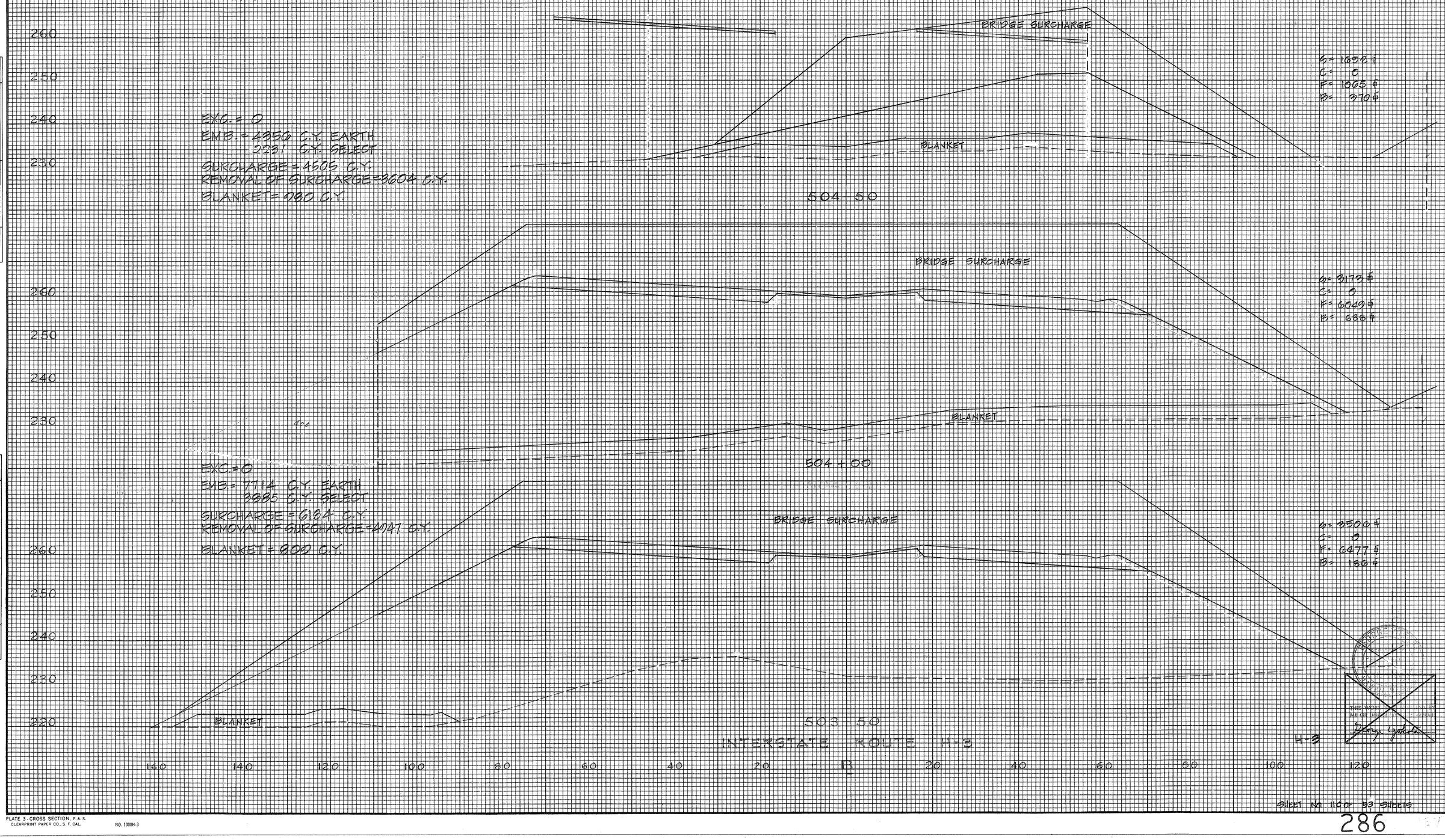
PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL.
NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24):11	1983	286	328

EXC.= 0
EMB.= 633 C.Y. EARTH
353 C.Y. SELECT
SURCHARGE=1567 C.Y.
REMOVAL OF SURCHARGE= 1254 C.Y.
BLANKET = 848 C.Y.

EXC.= 0
EMB.= 4856 C.Y. EARTH
2231 C.Y. SELECT
SURCHARGE=4505 C.Y.
REMOVAL OF SURCHARGE=3604 C.Y.
BLANKET=980 C.Y.

EXC.=0
EMB= 7714 C.Y. EARTH
3085 C.Y. SELECT
SURCHARGE=6184 C.Y.
REMOVAL OF SURCHARGE=4947 C.Y.
BLANKET=600 C.Y.



INTERSTATE ROUTE H-3

H-3

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

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

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

SHEET NO. 116 OF 53 SHEETS

286

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24):11	1983	287	328

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

EXC. = 358 C.Y.
EMB = 7195 C.Y. EARTH
9508 C.Y. SELECT
SURCHARGE = 0823 C.Y.
REMOVAL OF SURCHARGE = 0258 C.Y.

C = 1351
F = 4286

MATCH LINE

506+00

EXC. = 125 C.Y.
EMB = 9645 C.Y. EARTH
13123 C.Y. SELECT

C = 0
F = 0

EXC. = 0
EMB = 0

505+50

C = 0
F = 0

505+00

INTERSTATE ROUTE H-3

H-3

THIS MAP WAS SUPPLIED BY
AECOM HONOLULU SURVEYING

SHEET NO. 110 OF 33 SHEETS

PLATE 3 - CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL.

NO. 1000H-3

287

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24).11	1983	288	328

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

EXC.= 0095 C.Y.
EMB.= 6888 C.Y. EARTH
3101 C.Y. SELECT
SURCHARGE=5660 C.Y.
REMOVAL OF SURCHARGE=4535 C.Y.

BRIDGE SURCHARGE

MATCH LINE

S=2987 F
C=0704 F
F=4339 F

RAMP "G"

GRADE CONTROL POINT

507+00

EXC=11181 C.Y.
EMB=7668 C.Y. EARTH
3614 C.Y. SELECT
SURCHARGE=5580 C.Y.
REMOVAL OF SURCHARGE=4471 C.Y.

BRIDGE SURCHARGE

S=3043 F
C=2624 F
F=1371 F

506+50

INTERSTATE ROUTE H-3

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SHEET NO. 100 OF 33 SHEETS

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

288

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24):11	1983	289	328

EXC = 2448 C.Y.
EMB = 22454 C.Y. EARTH
1027 C.Y. SELECT
SURCHARGE = 5284 C.Y.
REMOVAL OF SURCHARGE = 4027 C.Y.

BRIDGE SURCHARGE

MATCH LINE

506+00

RAMP "G"

GRADE CONTROL POINT

G = 3000 ft
C = 195 ft
F = 6.67% ft

EXC = 602 C.Y.
EMB = 9481 C.Y. EARTH
6741 C.Y. SELECT
SURCHARGE = 5705 C.Y.
REMOVAL OF SURCHARGE = 4662 C.Y.

BRIDGE SURCHARGE

MATCH LINE

507+50

RAMP "G"

GRADE CONTROL POINT

G = 3126 ft
C = 210 ft
F = 6000 ft

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Benjamin Uyehara

INTERSTATE ROUTE H-3

H-3

SHEET NO. 14C OF 33 SHEETS

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

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

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-H3-1(24):11	1983	290	328

EXC = 915 C.Y.
EMB = 1511 C.Y. EARTH
1516 C.Y. SELECT
SURCHARGE = 4640 C.Y.
REMOVAL OF SURCHARGE = 3712 C.Y.

S = 2459 ft
C = 122 ft
F = 1142 ft

RAMP "G"

GRADE CONTROL POINT

BRIDGE

SURCHARGE

270

260

250

240

509+00

80 60 40 20 ℄ 20 40 60 80 100 120 140 160

EXC = 1256 C.Y.
EMB = 1823 C.Y. EARTH
601 C.Y. SELECT
SURCHARGE = 4758 C.Y.
REMOVAL OF SURCHARGE = 3802 C.Y.

S = 2684 ft
C = 133 ft
F = 1098 ft

RAMP "G"

GRADE CONTROL POINT

BRIDGE

SURCHARGE

270

260

250

240

508+50

80 60 40 20 ℄ 20 40 60 80 100 120 140 160 180

INTERSTATE ROUTE H-3

H-3

SHEET NO. 150 OF 93 SHEETS

290

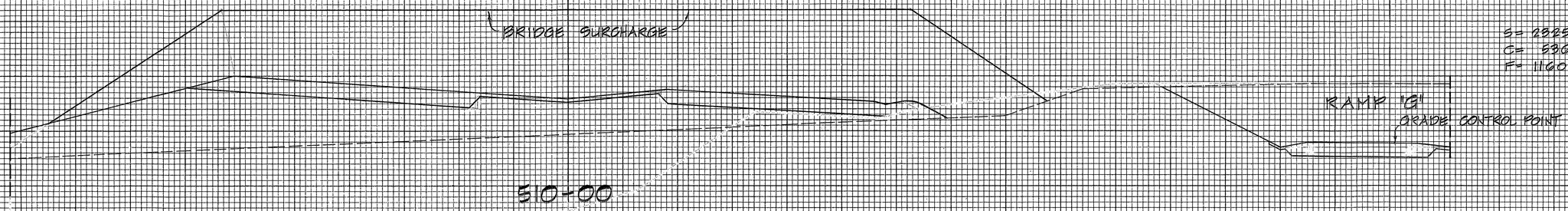
FINAL SURVEY — NOTE BOOK — NO. — DATE — BY — SURVEYED — PLOTTED — TEMPLATE — AREAS — AREAS CHECKED

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

PLATE 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-H3-1(24)-11	1983	291	328

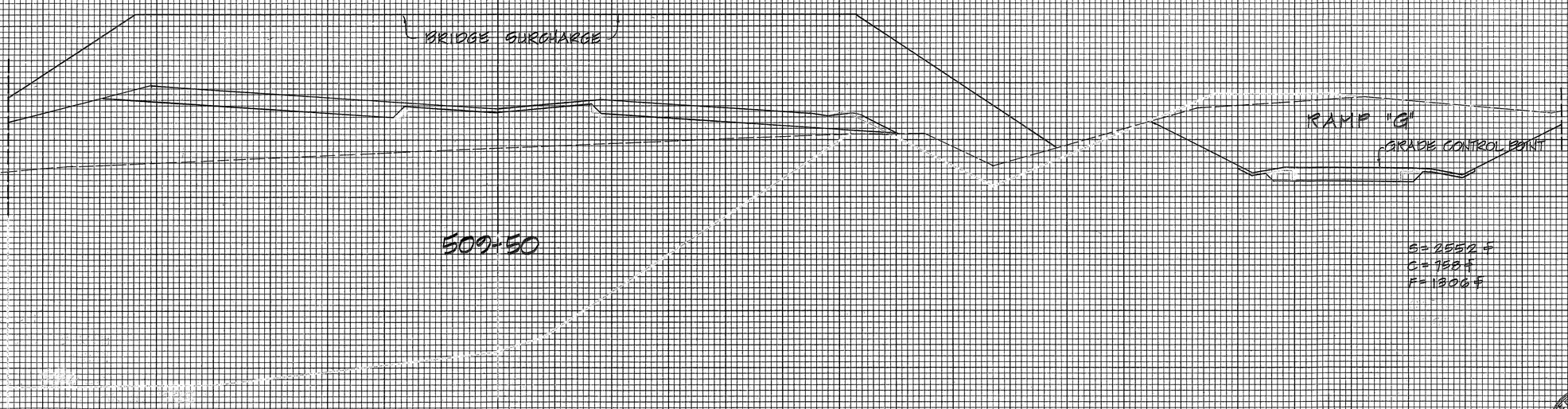
EXC = 7606 C.Y.
EMB = 1540 C.Y. EARTH
7715 C.Y. SELECT



S = 2825 ♯
C = 536 ♯
F = 11604 ♯

EXC = 1198 C.Y.
EMB = 5111 C.Y. EARTH
761 C.Y. SELECT
SURCHARGE = 4516 C.Y.
REMOVAL OF SURCHARGE = 3613 C.Y.

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



S = 2552 ♯
C = 758 ♯
F = 1306 ♯

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

INTERSTATE ROUTE H-3

H-3

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

100 80 60 40 20 0 20 40 60 80 100 120 140 160

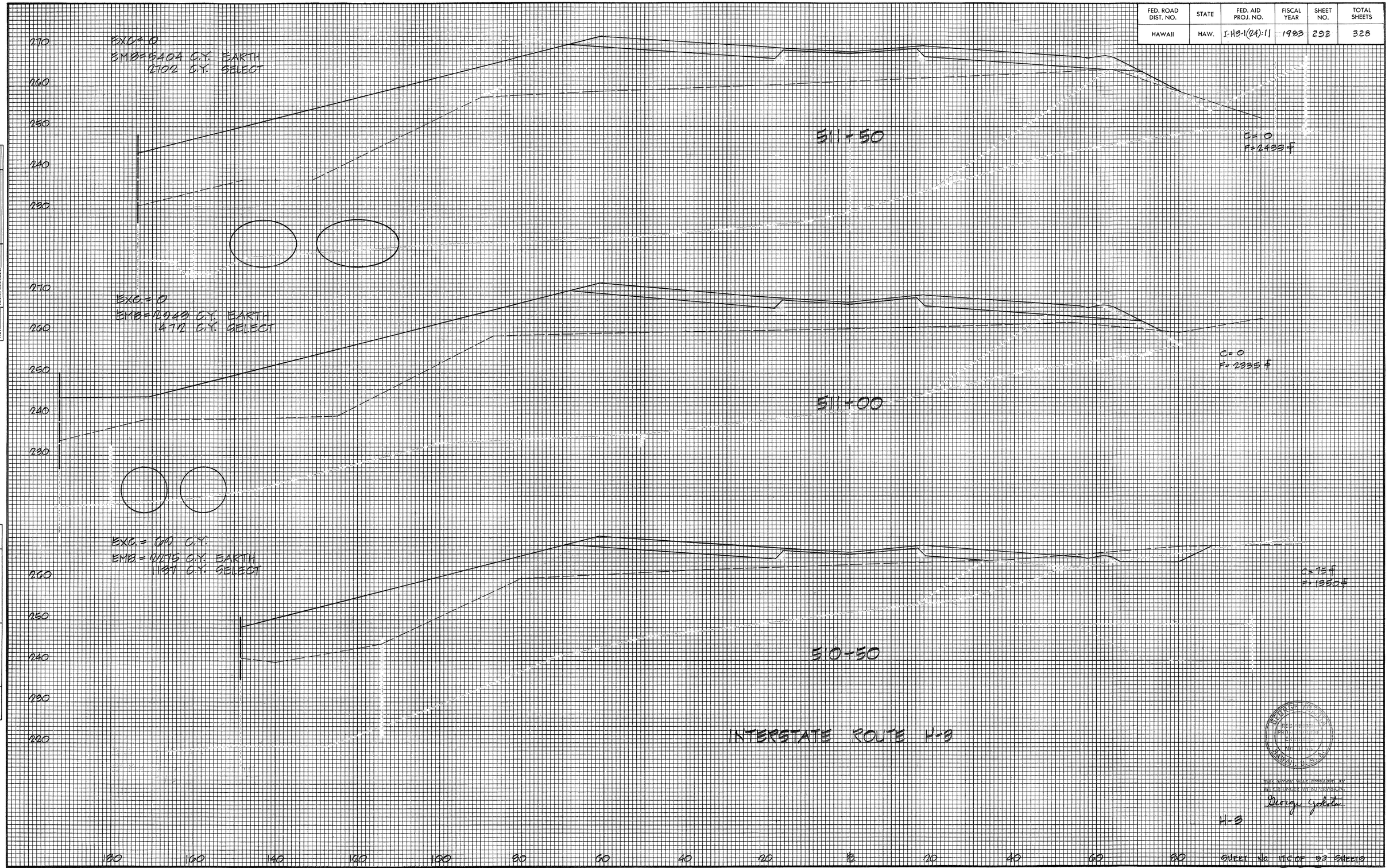
SHEET NO. 10 OF 23 SHEETS

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-HB-1(24):11	1983	292	328

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Duane Yokota
H-3

SHEET NO. 116 OF 53 SHEETS

292

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-H3-1(24):11	1983	293	328

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

EXC = 56 C.Y.
EMB = 1588 C.Y. EARTH
704 C.Y. SELECT

270
260
250
240
230

21.57
16.85
26.90
C: 0
E = 1505 ft
512 + 50
15.44
18.82.5
18.31

EXC. = 0
EMB = 1944 C.Y. EARTH
12402 C.Y. SELECT

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

270
260
250
240
230
220

22.18
22.83
27.21
17.83
17.39
15.81
C: 0
E = 6506 ft
512 + 00

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Bruce Yoshida

INTERSTATE ROUTE H-3

H-3

160 140 120 100 80 60 40 20 0 20 40 60 80 100

SHEET NO. 18C OF 23 SHEETS

293

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-H3-1(24):11	1983	294	328

EXC = 73 C.Y.
EMB = 12473 C.Y. EARTH
1096 C.Y. SELECT

℄

RAMP "B"

GRADE CONTROL POINT

270
260
250

513+70.47

C= 0
F= 11055 #

EXC = 38 C.Y.
EMB = 11120 C.Y. EARTH
564 C.Y. SELECT

270
260
250

513+50

C= 1012 #
F= 7396 #

80 60 40 20 ℄ 20 40 60 80 100 120 140 160 180 200 220

EXC = 151 C.Y.
EMB = 855 C.Y. EARTH
408 C.Y. SELECT

C= 611 #
F= 10488 #

260
250
240

513+00

INTERSTATE ROUTE H-3

140 120 100 80 60 40 20 ℄ 20 40 60 80 100

H-3

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Ronald Yoshida

SHEET NO. 17C OF 53 SHEETS

294

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

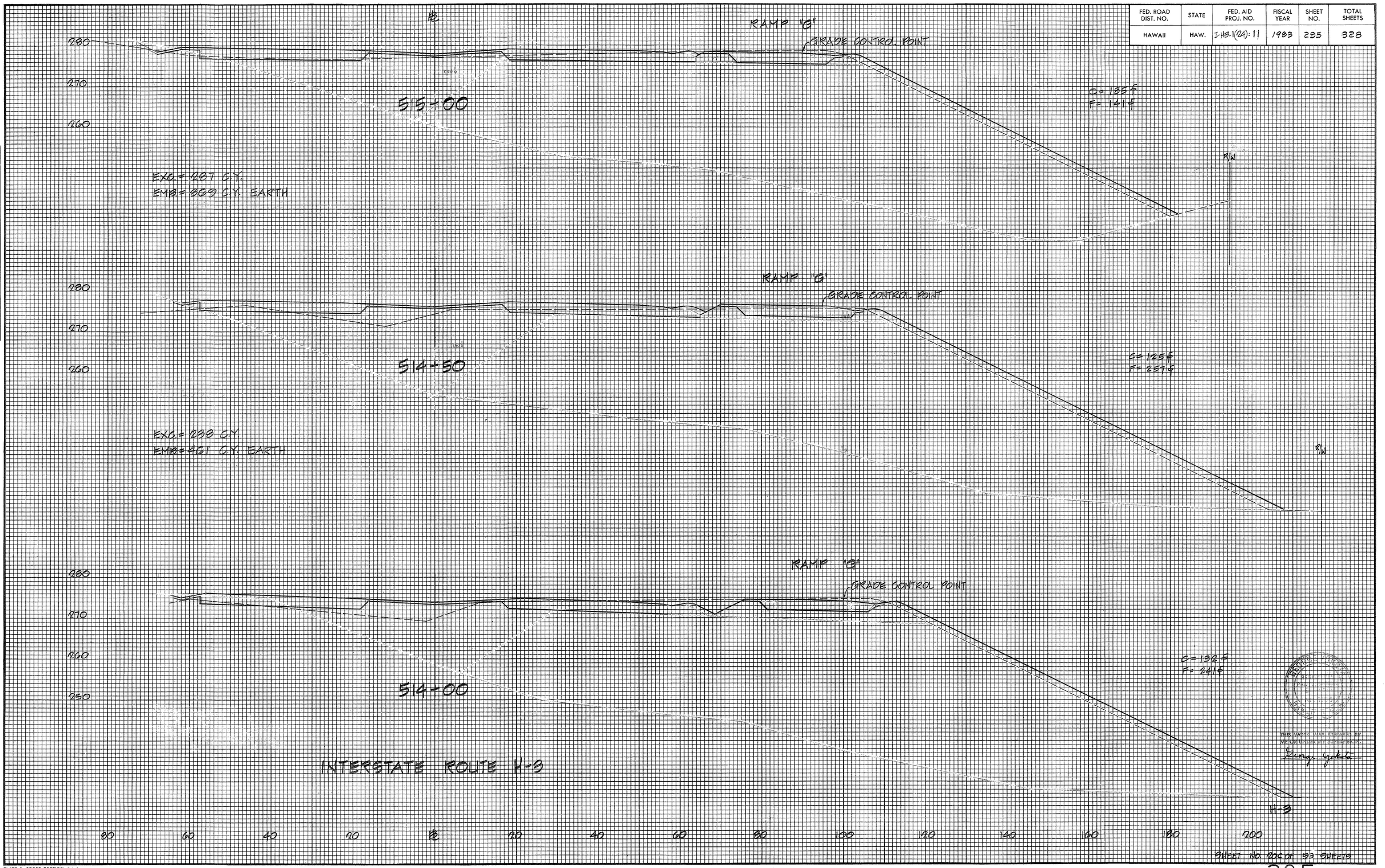
PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL.

NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3.1(2A): 11	1983	295	328

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

ORIGINAL SURVEY	BY	DATE
NOTE BOOK	SURVEYED	
	PLOTTED	
	TEMPLATE	
	AREAS	
	AREAS CHECKED	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Lorenzo Yuleta

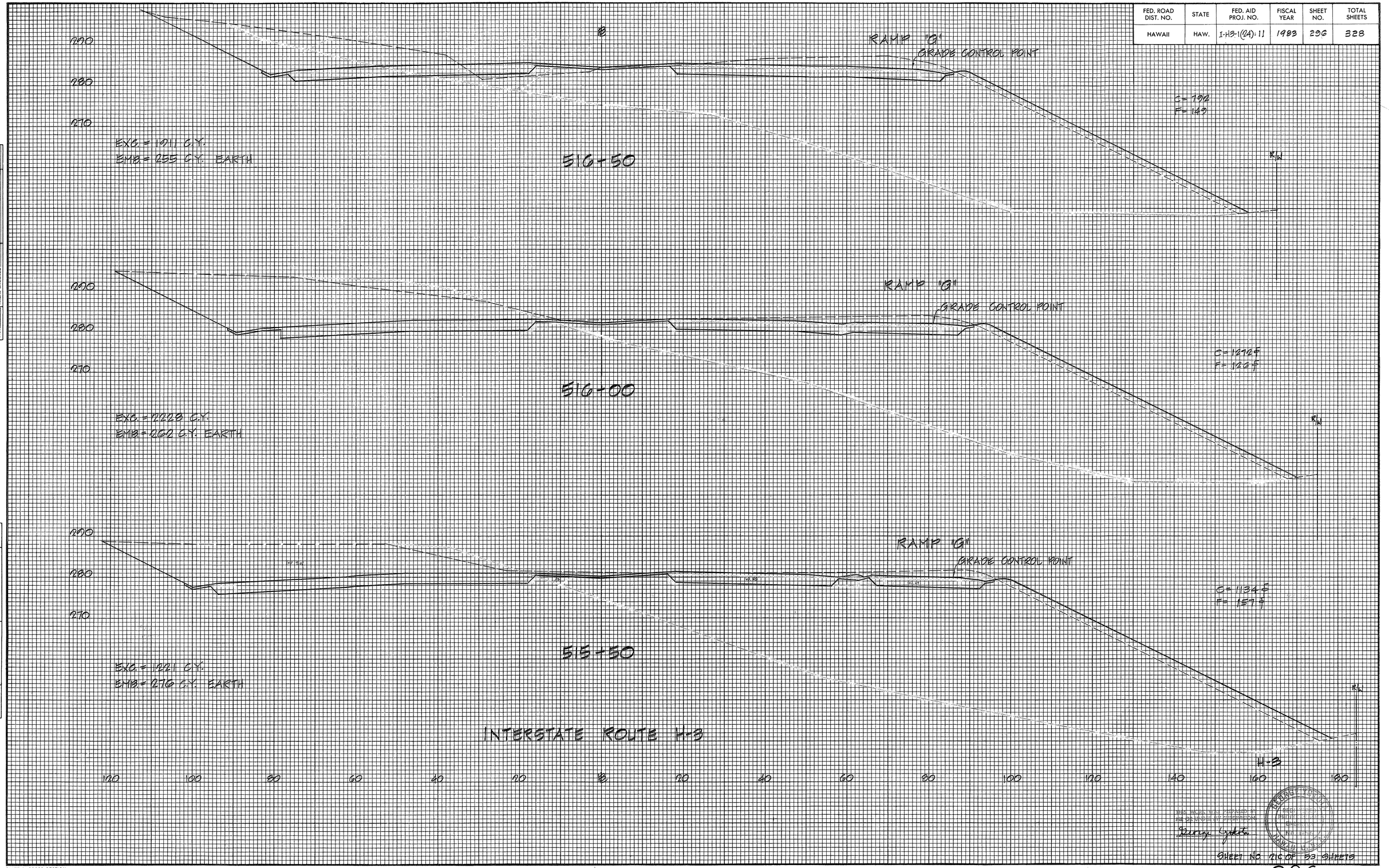
PLATE 3 - CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

SHEET NO. 20C OF 53 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24):11	1983	296	328

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Barry Yokota

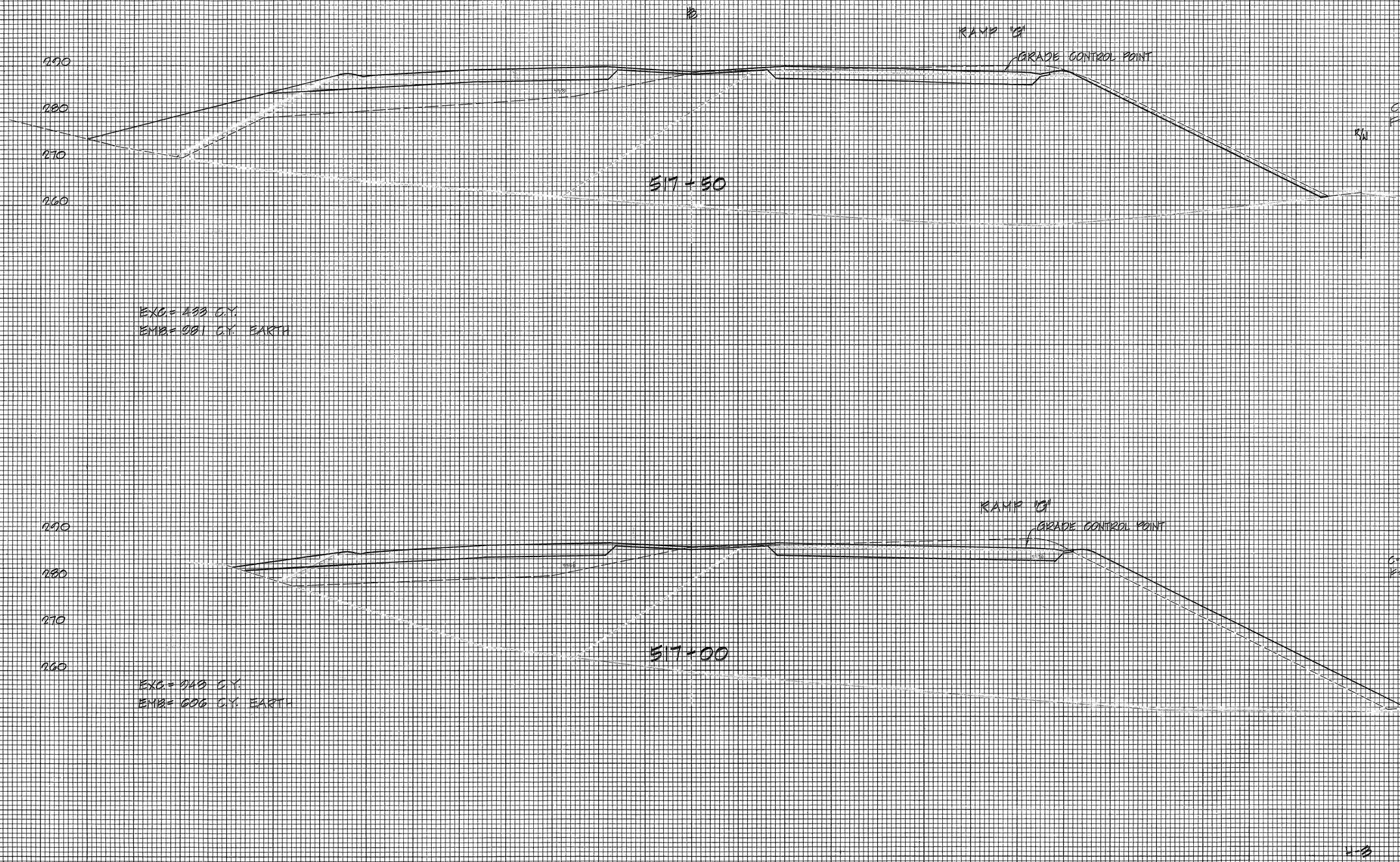
SHEET NO 116 OF 293 SHEETS

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-HB-1(24)-11	1983	297	328

EXC = 307 C.Y.
EMB = 1176 C.Y. EARTH



EXC = 443 C.Y.
EMB = 981 C.Y. EARTH

EXC = 445 C.Y.
EMB = 606 C.Y. EARTH

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Diego Galdo

H-3

SHEET NO. 116 OF 53 SHEETS

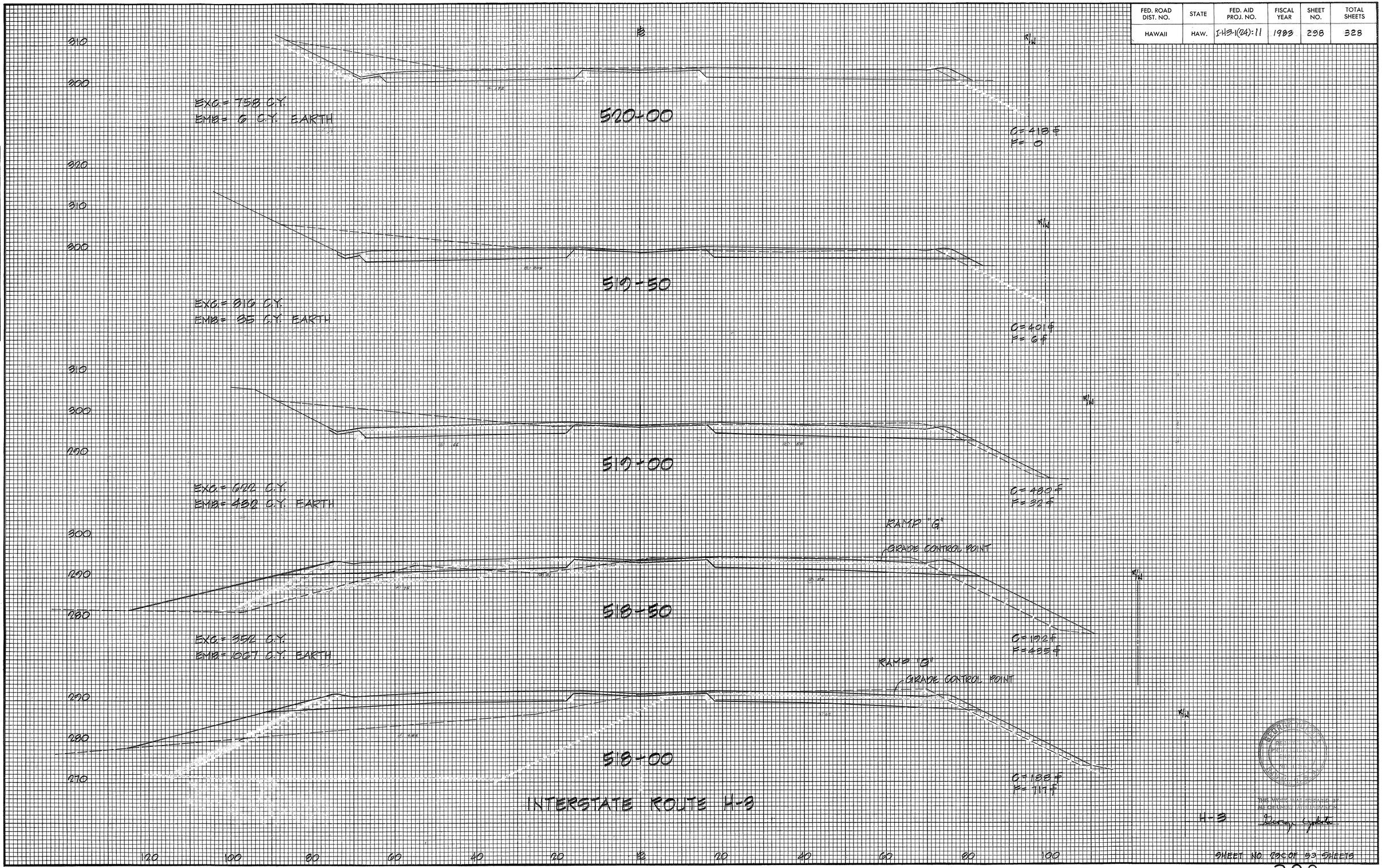
297

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-H3-1(24):11	1983	298	328

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



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(84):11	1983	299	328

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

EXC = 877 C.Y.
EMB = 0

C = 450 ft
F = 0

EXC = 851 C.Y.
EMB = 0 C.Y. EARTH

C = 585 ft
F = 0

520+00

521+50

EXC = 87 C.Y.
EMB = 0

C = 488 ft
F = 0

EXC = 1104 C.Y.
EMB = 0 C.Y. EARTH

C = 689 ft
F = 2 ft

521+00

522+50

EXC = 837 C.Y.
EMB = 0

C = 422 ft
F = 0

EXC = 1090 C.Y.
EMB = 12 C.Y. EARTH

C = 468 ft
F = 0

520+50

522+00

EXC = 778 C.Y.
EMB = 0

INTERSTATE ROUTE H-3

GEORGE YUEN
REGISTERED PROFESSIONAL ENGINEER
No. 1156
STATE OF HAWAII

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

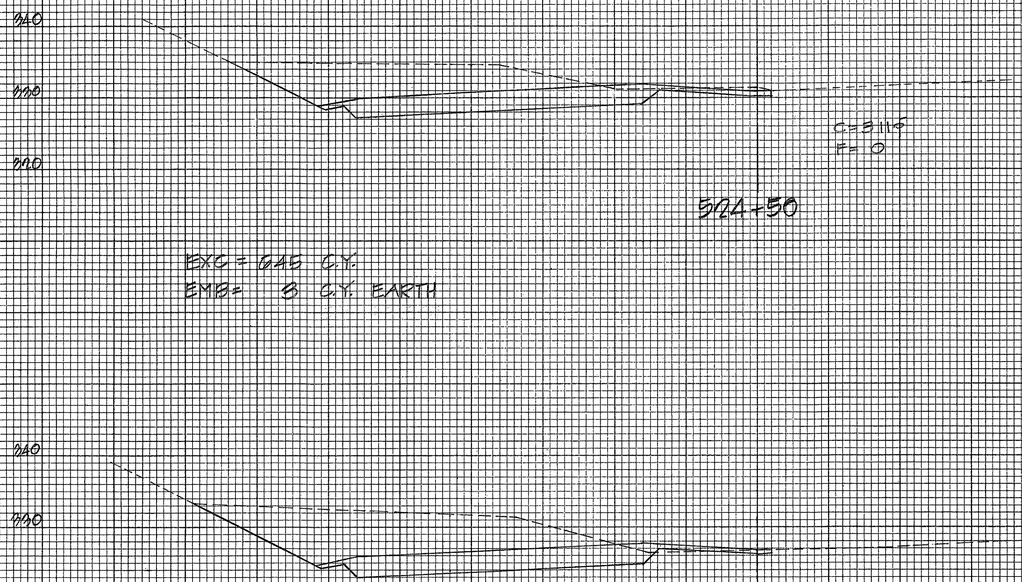
SHEET No. 24C OF 53 SHEETS

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-113-1(24):11	1983	300	328

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



INTERSTATE ROUTE H-3



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

SHEET No. 25C OF 53 SHEETS

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-HB-1(24):11	1983	301	328

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

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Duane Yuhas

KAMEHAMEHA HIGHWAY

KAM HWY

09+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00

K/W

E= 1041.9 F= 0

E= 1080.4 F= 0

E= 1002.4 F= 0

E= 1171.7 F= 0

E= 1558.4 F= 0

E= 1393.4 F= 0

E= 1612.4 F= 0

E= 1612.4 F= 0

EXG. 11.07 CY
EMB. 0

EXG. 11.57 CY
EMB. 0

EXG. 16.41 CY
EMB. 0

EXG. 8.01 CY
EMB. 0

EXG. 7.98 CY
EMB. 0

EXG. 5.74 CY
EMB. 0

EXG. 0.16 CY
EMB. 0

EXG. 1.70 CY
EMB. 0

SHEET No. 26 OF 33 SHEETS

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-HB-1(24): 11	1983	302	328

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

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

KAM HWY

KAMEHA HIGHWAY

SHEET NO. 176 OF 53 SHEETS

302

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-HB-1(24):11	1983	303	328

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

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

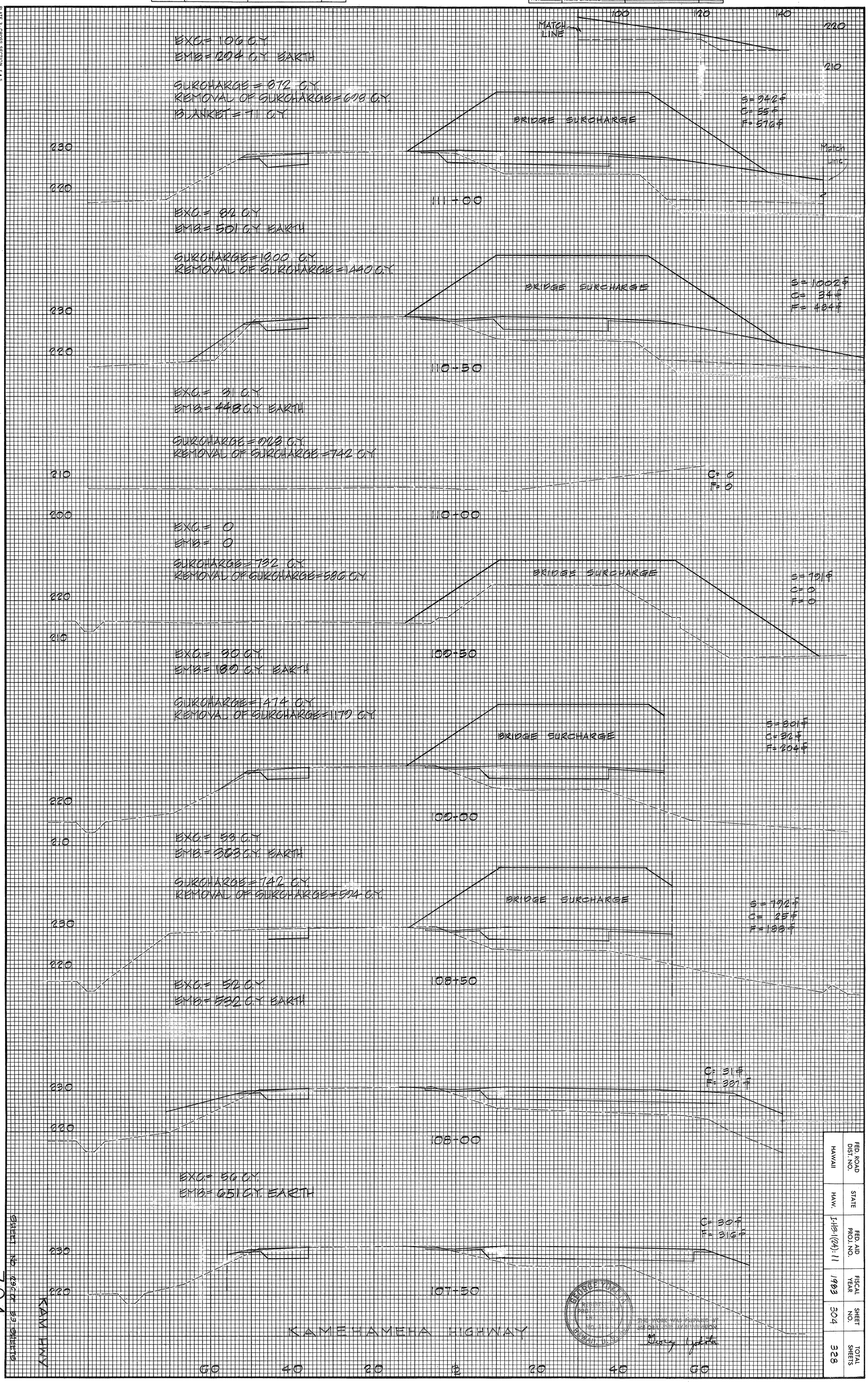
KAMEHAMEHA HIGHWAY
KAM HWY
STA 107+00
STA 106+50
STA 106+00
STA 105+50
STA 105+00
STA 104+50
STA 104+00
STA 103+50
C=3447'
E=1880'
C=2915'
E=1884'
C=1955'
E=1211'
C=2223'
E=0
C=1900'
E=0
C=4001'
E=0
C=4001'
E=0
EXC.= 50 C.Y.
EMB.= 500 C.Y. EARTH
EXC.= 170 C.Y.
EMB.= 650 C.Y. EARTH
EXC.= 151 C.Y.
EMB.= 151 C.Y. EARTH
EXC.= 30 C.Y.
EMB.= 0
EXC.= 197 C.Y.
EMB.= 0
EXC.= 609 C.Y.
EMB.= 0
EXC.= 888 C.Y.
EMB.= 0
EXC.= 988 C.Y.
EMB.= 0
EXC.= 710 C.Y.
EMB.= 0
230
220
240
230
250
240
250
240
250
240

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

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

PLATE - CROSS SECTION, P.S.M.
CLEARWAY PARK'S CO., S. F. CAL.

NO. 10009-3



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(64) 11	1993	304	328

SHEET NO 429 OF 33 SHEETS

304

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24): 11	1983	305	328

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

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

MATCH LINE

MATCH LINE

Δ=100°-0"
R=100'-0"

C= 148'-2"
E= 62'-0"

C= 140'-8"
E= 80'-0"

C= 105'-8"
E= 80'-0"

C= 71'-8"
E= 80'-0"

C= 68'-4"
E= 80'-0"

C= 68'-4"
E= 80'-0"

C= 105'-8"
E= 80'-0"

C= 148'-2"
E= 62'-0"

Δ=100°-0"
R=100'-0"

MATCH LINE

0+40

0+50

1+00

1+50

2+00

2+50

3+00

3+50

4+00

4+50

EXC.= 364 C.Y.
EMB.= 213 C.Y. EARTH

EXC.= 310 C.Y.
EMB.= 120 C.Y. EARTH

EXC.= 244 C.Y.
EMB.= 44 C.Y. EARTH

EXC.= 104 C.Y.
EMB.= 98 C.Y. EARTH

EXC.= 155 C.Y.
EMB.= 80 C.Y. EARTH

EXC.= 150 C.Y.
EMB.= 5277 C.Y. EARTH

EXC.= 135 C.Y.
EMB.= 674 C.Y. EARTH

BLANKET= 11 C.Y.

KAMEHAMEHA HIGHWAY

KAM HWY.

SHEET NO. 305 OF 328 SHEETS

305

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-HB-1(24): 11	1983	306	328

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

THIS MAP WAS PREPARED BY OR UNDER THE SUPERVISION OF THE UNDERSIGNED REGISTERED PROFESSIONAL ENGINEER.

Gerard Yuen

KAMEHAMEHA HIGHWAY

KAM HWY

Sta. 11+50 — C=151.65 ft. — EXC.= 266 C.Y. — EMB.= 600 C.Y. EARTH

Sta. 11+75 — C=145.45 ft. — E=20.6 — EXC.= 274 C.Y. — EMB.= 70 C.Y. EARTH

Sta. 12+00 — C=138.08 ft. — E=33.8 — EXC.= 225 C.Y. — EMB.= 54 C.Y. EARTH

Sta. 12+25 — C=103.13 ft. — L=124.4 ft. — EXC.= 186 C.Y. — EMB.= 150 C.Y. EARTH

Sta. 12+50 — C=71.8 ft. (Forward) — C=160 ft. (Back) — E=19.4 ft. — EXC.= 185 C.Y. — EMB.= 300 C.Y. EARTH

Sta. 12+75 — C=130.6 ft. — E=35.4 ft. — EXC.= 269 C.Y. — EMB.= 141 C.Y. EARTH

Sta. 13+00 — C=191.5 ft. — L=172.4 ft. — EXC.= 1097 C.Y. — EMB.= 102 C.Y. EARTH

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

SHEET NO. 31C OF 63 SHEETS

306

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-113-1(24):11	1983	307	328

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

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Glenn Umetsu

KAMEHAMEHA HIGHWAY

KAM HWY

EXC.= 211 C.Y.
EMB.= 758 C.Y. EARTH

EXC.= 217 C.Y.
EMB.= 776 C.Y. EARTH

EXC.= 219 C.Y.
EMB.= 756 C.Y. EARTH

EXC.= 204 C.Y.
EMB.= 719 C.Y. EARTH

EXC.= 226 C.Y.
EMB.= 370 C.Y. EARTH

EXC.= 200 C.Y.
EMB.= 0

EXC.= 240 C.Y.
EMB.= 0

SHEET NO. 326 OF 328 SHEETS

307

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-H3-1(24): 11	1983	308	328

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

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

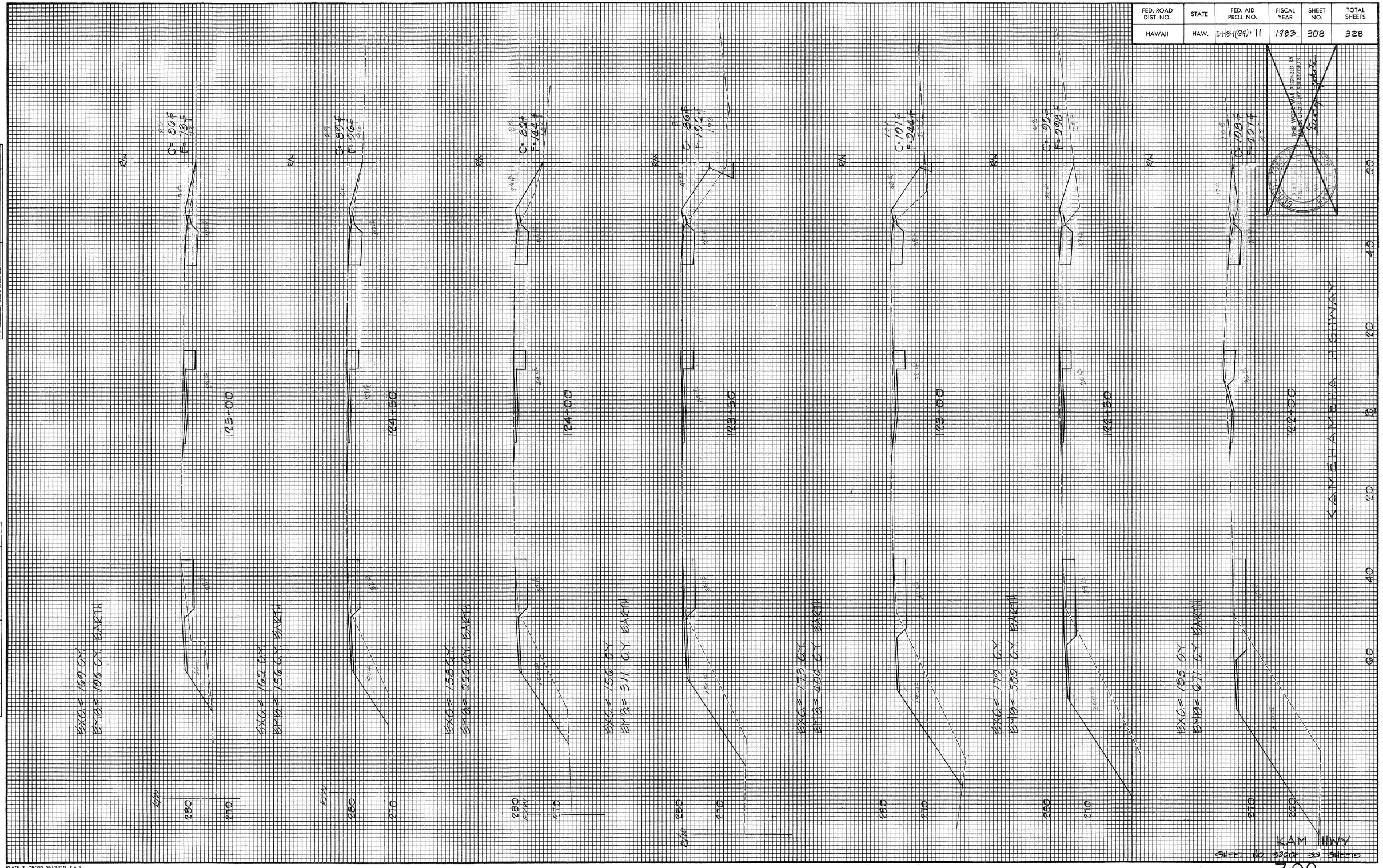


PLATE 3-CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24): 11	1983	309	328

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

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

KAM HWY
125+50
125+00
124+50
124+00
123+50
123+00
122+50
122+00
121+50
121+00
120+50
120+00
119+50
119+00
118+50
118+00
117+50
117+00
116+50
116+00
115+50
115+00
114+50
114+00
113+50
113+00
112+50
112+00
111+50
111+00
110+50
110+00
109+50
109+00
108+50
108+00
107+50
107+00
106+50
106+00
105+50
105+00
104+50
104+00
103+50
103+00
102+50
102+00
101+50
101+00
100+50
100+00
99+50
99+00
98+50
98+00
97+50
97+00
96+50
96+00
95+50
95+00
94+50
94+00
93+50
93+00
92+50
92+00
91+50
91+00
90+50
90+00
89+50
89+00
88+50
88+00
87+50
87+00
86+50
86+00
85+50
85+00
84+50
84+00
83+50
83+00
82+50
82+00
81+50
81+00
80+50
80+00
79+50
79+00
78+50
78+00
77+50
77+00
76+50
76+00
75+50
75+00
74+50
74+00
73+50
73+00
72+50
72+00
71+50
71+00
70+50
70+00
69+50
69+00
68+50
68+00
67+50
67+00
66+50
66+00
65+50
65+00
64+50
64+00
63+50
63+00
62+50
62+00
61+50
61+00
60+50
60+00
59+50
59+00
58+50
58+00
57+50
57+00
56+50
56+00
55+50
55+00
54+50
54+00
53+50
53+00
52+50
52+00
51+50
51+00
50+50
50+00
49+50
49+00
48+50
48+00
47+50
47+00
46+50
46+00
45+50
45+00
44+50
44+00
43+50
43+00
42+50
42+00
41+50
41+00
40+50
40+00
39+50
39+00
38+50
38+00
37+50
37+00
36+50
36+00
35+50
35+00
34+50
34+00
33+50
33+00
32+50
32+00
31+50
31+00
30+50
30+00
29+50
29+00
28+50
28+00
27+50
27+00
26+50
26+00
25+50
25+00
24+50
24+00
23+50
23+00
22+50
22+00
21+50
21+00
20+50
20+00
19+50
19+00
18+50
18+00
17+50
17+00
16+50
16+00
15+50
15+00
14+50
14+00
13+50
13+00
12+50
12+00
11+50
11+00
10+50
10+00
9+50
9+00
8+50
8+00
7+50
7+00
6+50
6+00
5+50
5+00
4+50
4+00
3+50
3+00
2+50
2+00
1+50
1+00
0+50
0+00
EXC = 183 CY
EMB = 61 CY EARTH
EXC = 137 CY
EMB = 27 CY EARTH
EXC = 1,693 CY
EMB = 1,474 CY EARTH
KAM HWY
KAMEHAMEHA HIGHWAY
R/W
R/W
R/W
R/W
C=10°11'
E=49'
C=10°11'
E=35'
C=9°11'
E=41'
C=5°
E=11'
PAVEMENT
SHOULDER
SHOULDER
PAVEMENT
SHOULDER
SHOULDER
PAVEMENT
SHOULDER
SHOULDER

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24):11	1983	310	328

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

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

40 20 ℄ 20 40 60 80

EXC. = 0
EMB. = 1,000 C.Y. EARTH
522 C.Y. SELECT
BLANKET = 323 C.Y.

240
230
BLANKET
12+00
C = 0
F = 1021 ♯
B = 166 ♯

EXC. = 0
EMB. = 1,430 C.Y. EARTH
673 C.Y. SELECT
BLANKET = 302 C.Y

250
240
230
BLANKET
11+50
C = 0
F = 1260 ♯
B = 160 ♯

EXC. = 0
EMB. = 1,457 C.Y. EARTH
636 C.Y. SELECT
BLANKET = 364 C.Y.

250
240
230
BLANKET
11+00
C = 0
F = 1000 ♯
B = 233 ♯

EXC. = 0
EMB. = 1,303 C.Y. EARTH
668 C.Y. SELECT
BLANKET = 428 C.Y.

250
240
230
220
BLANKET
10+50
C = 0
F = 1150 ♯
B = 220 ♯

RAMP "A"

40 20 ℄ 20 40 60 80

EXC. = 608 C.Y.
EMB. = 11 C.Y. EARTH

250
240
14+00
C = 478 ♯
F = 0

EXC. = 602 C.Y.
EMB. = 0 C.Y. EARTH

250
240
13+50
C = 269 ♯
F = 2 ♯

EXC. = 240 C.Y.
EMB. = 73 C.Y. EARTH

240
230
13+00
C = 0
F = 77 ♯

EXC. = 0
EMB. = 717 C.Y. EARTH
91 C.Y. SELECT
BLANKET = 169 C.Y.

240
230
220
BLANKET
12+50
C = 0
F = 720 ♯
B = 183 ♯

RAMP "A"

SHEET NO. 35C OF 53 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24):11	1983	311	328

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

80 60 40 20 ℄ 20 40 60 80

250
240
230

RAMP "B" RAMP "A"

16+00

C = 4 ¢
F = 193 ¢

EXC. = 4 C.Y.
EMB. = 300 C.Y. EARTH

250
240
230

RAMP "B" RAMP "A"

15+50

C = 0
F = 228 ¢

EXC. = 8 C.Y.
EMB. = 264 C.Y. EARTH

240
230

RAMP "B" RAMP "A"

15+00

C = 8 ¢
F = 57 ¢

EXC. = 173 C.Y.
EMB. = 64 C.Y. EARTH

250
240
230

14+50

C = 179 ¢
F = 12 ¢

80 60 40 20 ℄ 20 40 60 80

RAMPS "A" & "B"

SHEET NO. 360 OF 53 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24): 11	1983	312	328

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Leroy Yates

RAMP "D"

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

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

PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F., CAL.

NO. 1000H-3

SHEET NO. 270 OF 53 SHEETS

312

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24): 11	1983	313	328

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

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

KAMEHAMEHA HWY.

Property Line

Median Lines

C = 1724 ft

C = 1575 ft

C = 1174 ft

C = 1588 ft

C = 1361 ft

C = 1191 ft

C = 1058 ft

C = 1000 ft

C = 1000 ft

C = 1000

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24): 11	1983	314	328

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

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

RAMP D

SHEET NO. 314 OF 328 SHEETS

314

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

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

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

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

EXC. = 5767 C.Y.
EMB. = 408 C.Y. EARTH
1208 C.Y. SELECT
RAMP "F"

Match Line

GRADE CONTROL PT.

C: 3466 ft
F: 280 ft

RAMP "D"

13+50

EXC. = 6,550 C.Y.
EMB. = 177 C.Y. EARTH
1198 C.Y. SELECT

Match Line

GRADE CONTROL PT.

C: 36036 ft
F: 166 ft

RAMP "F"

RAMP "D"

13+00

EXC. = 6,853 C.Y.
EMB. = 103 C.Y. EARTH
511 C.Y. SELECT

C: 3765 ft
F: 0

RAMP "F"

RAMP "D"

GRADE CONTROL PT.

12+50

EXC. = 1367 C.Y.
EMB. = 0

C: 4192 ft
F: 0

RAMP "F"

RAMP "D"

GRADE CONTROL PT.

12+00

EXC. = 31258 C.Y.
EMB. = 0

C: 4767 ft
F: 0 ft

RAMP "F"

RAMP "D"

GRADE CONTROL PT.

11+50

RAMP "D"

60 40 20 0 20 40 60 80 100

SHEET NO. 400 OF 593 SHEETS

315

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-1(12)-11	1983	315	328

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Ronald Yokota

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24):11	1983	316	328

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

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

RAMP "D"
GRADE CONTROL POINT
STA. 17+00
EXC. = 88 C.Y.
EMB. = 1,420 C.Y.
715 C.Y. SELECT
BLANKET = 1,170 C.Y.
BLANKET
RAMP "D"
STA. 16+00
EXC. = 60 C.Y.
EMB. = 1,400 C.Y.
1,340 C.Y. SELECT
BLANKET = 950 C.Y.
RAMP "E"
GRADE CONTROL POINT
BLANKET
RAMP "D"
STA. 15+00
EXC. = 20 C.Y.
EMB. = 1,090 C.Y.
540 C.Y. SELECT
BLANKET = 951 C.Y.
RAMP "E"
GRADE CONTROL POINT
BLANKET
RAMP "D"
STA. 14+00
EXC. = 417 C.Y.
EMB. = 540 C.Y.
475 C.Y. SELECT
BLANKET = 1,101 C.Y.
RAMP "E"
GRADE CONTROL POINT
BLANKET
RAMP "D"
STA. 13+00
EXC. = 1,661 C.Y.
EMB. = 432 C.Y.
226 C.Y. SELECT
BLANKET = 55 C.Y.
RAMP "E"
GRADE CONTROL PT.
Match Line
RAMP "D"
STA. 12+00
EXC. = 1,580 C.Y.
EMB. = 564 C.Y.
77 C.Y. SELECT
RAMP "E"
GRADE CONTROL PT.
Match Line
RAMP "D"
STA. 11+00
EXC. = 1,051 C.Y.
EMB. = 592 C.Y. BLANKET
201 C.Y. SELECT
BLANKET = 44 C.Y.
RAMP "E"
GRADE CONTROL PT.
Match Line
RAMP "D"
STA. 10+00
EXC. = 1,800 C.Y.
EMB. = 349 C.Y.
RAMP "E"
GRADE CONTROL PT.
RAMP "D"
STA. 9+00
RAMP D
Match Line

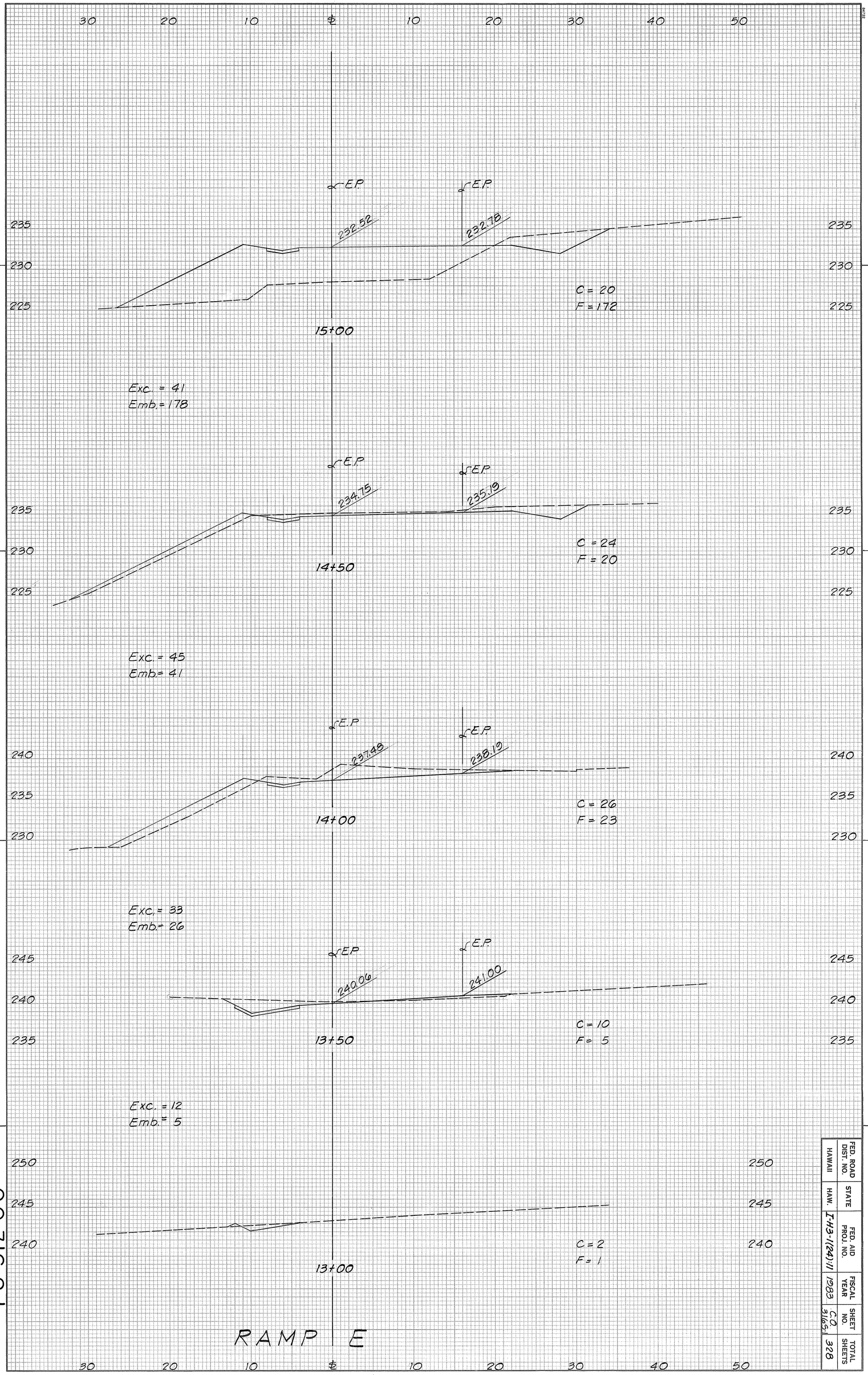
THIS WORK WAS PERFORMED BY ME OR UNDER MY SUPERVISION

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

SHEET NO. 41C OF 53 SHEETS

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

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



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24)11	1983	C.O. 316 S-1	328

C.O. 316 S-1

C. 316 S-1

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24):11	1983	C.O. 3165-1	328

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

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

B4732

235 230 225 220

50 40 30 20 10

C = 0
F = 0

E.P. 22022

C = 0
F = 171

E.P. 22050

C = 0
F = 193

E.P. 22091

C = 0
F = 250

E.P. 22107

C = 0
F = 247

℄ 17+50

Exc. = 0
Emb. = 158

℄ 17+00

Exc. = 0
Emb. = 337

℄ 16+50

Exc. = 0
Emb. = 410

℄ 16+00

Exc. = 0
Emb. = 460

℄ 15+50

Exc. = 19
Emb. = 388

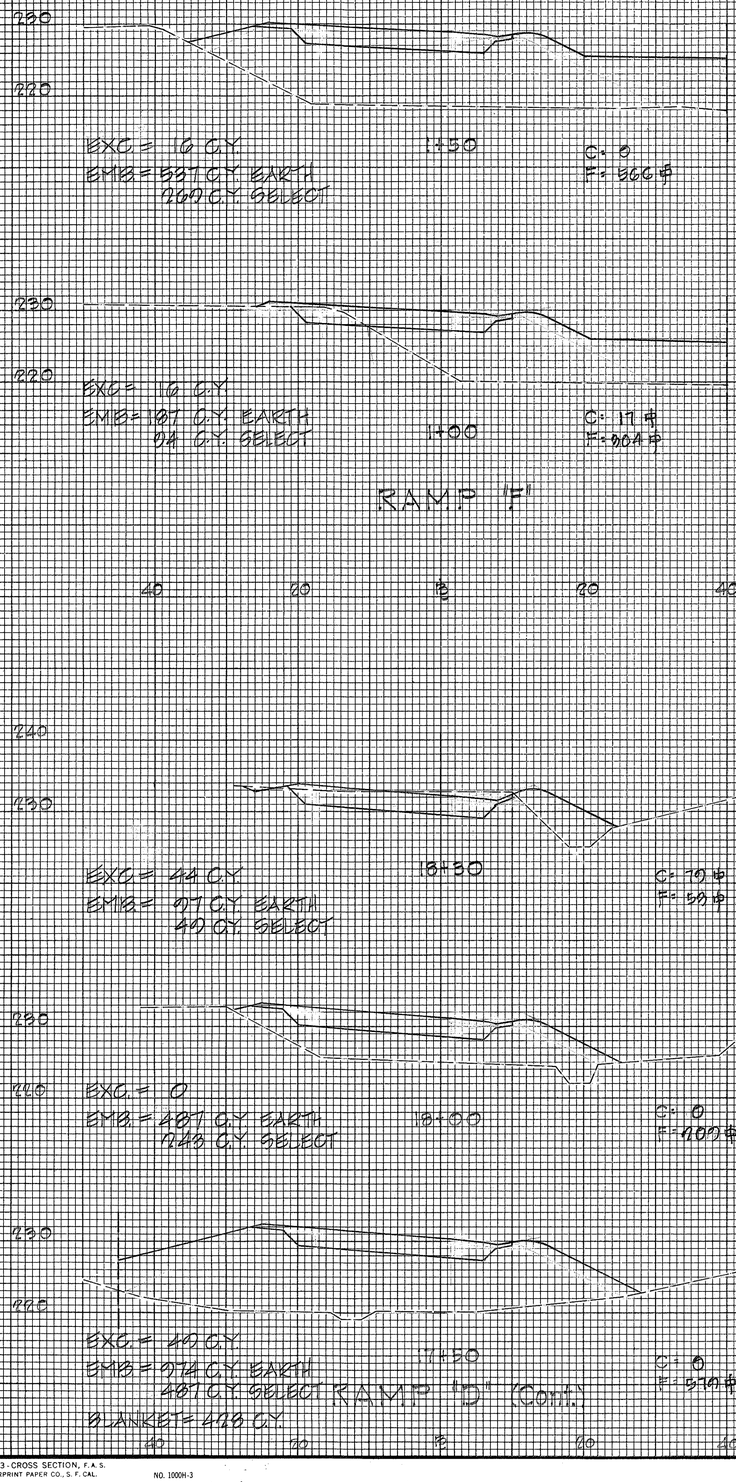
C.O. 316 S-2

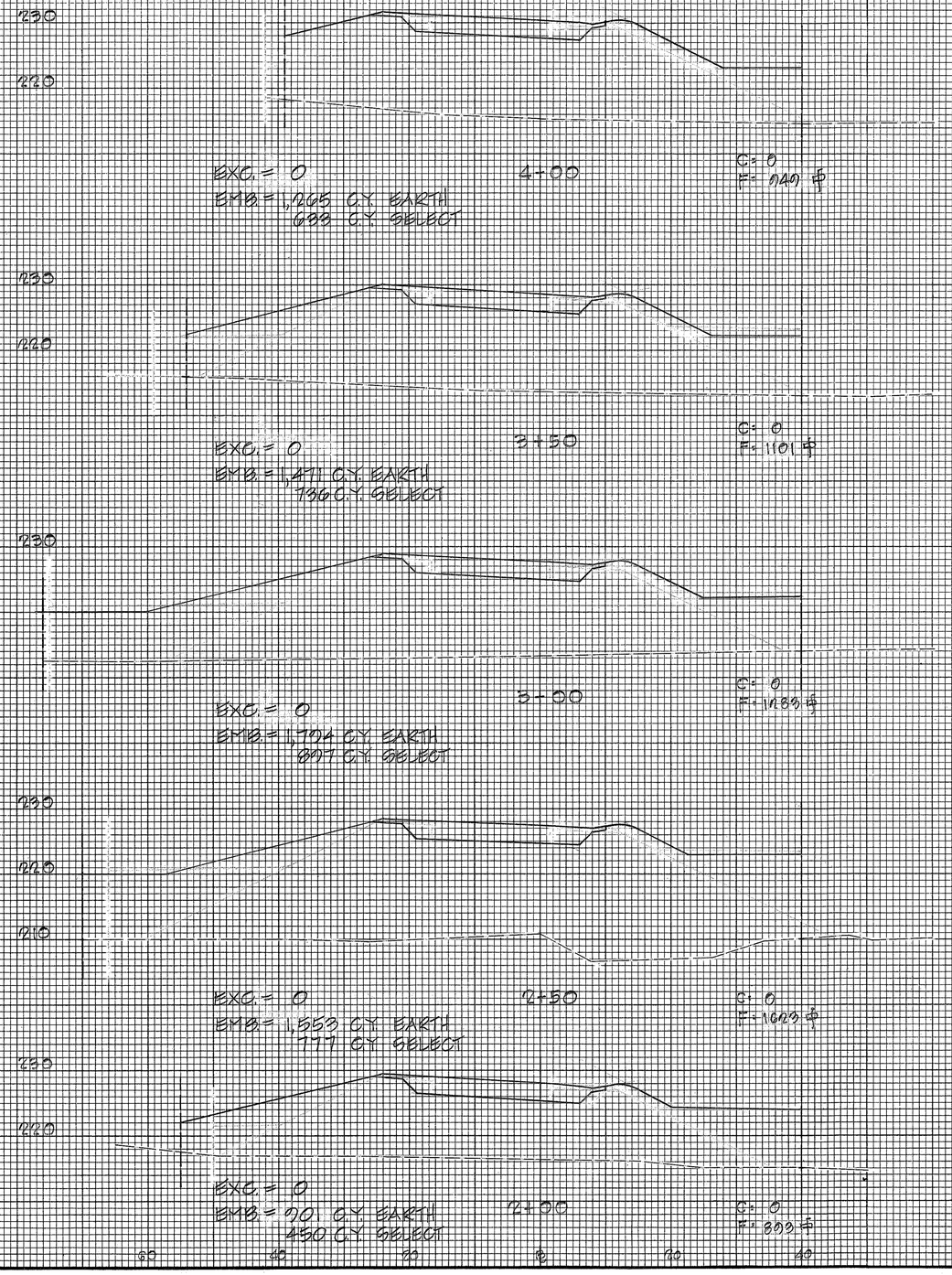
C.O. 3165-2

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(24):11	1983	317	328

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





REGISTERED PROFESSIONAL ENGINEER — STATE OF HAWAII

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

RAMP D

SHEET NO. 42 OF 53 SHEETS

317

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-HB-1(24): 11	1983	318	328

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

EXC. = 0
EMB = 5,401 C.Y. EARTH
2,745 C.Y. SELECT

EXC. = 0
EMB. = 2,082 C.Y. EARTH
1,490 C.Y. SELECT

0+50

C=0
F=3640 ♯

EXC. = 0
EMB. = 1,161 C.Y. EARTH
580 C.Y. SELECT

0+00

C=0
F=1110 ♯

EXC. = 0
EMB = 404 C.Y. EARTH
216 C.Y. SELECT

0+83

C=0
F=687 ♯

BREAK

EXC = 0
EMB = 946 C.Y. EARTH
174 C.Y. SELECT

EXC. = 0
EMB = 994 C.Y. EARTH
467 C.Y. SELECT

4+30

C=0
F=564 ♯

RAMP "F"

Match Line

EXC. = 0
EMB = 7,745 C.Y. EARTH
5,813 C.Y. SELECT

10+50

C=0
F=7,205 ♯

10+00

C=0
F=8255 ♯

RAMP F

THIS WORK WAS PERFORMED BY ME OR UNDER MY SUPERVISION.
Duane Updike

PLATE 3 - CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL.

NO. 1000H-3

SHEET NO. 430 OF 53 SHEETS

318

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24):11	1983	319	328

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

60 40 20 0 20 40 60 80 100 120 140 160 180 200 220

670
660
650
640

BRIDGE SURCHARGE

11+50

S=-.55 %
T=2.16 %
C=0

EXC = 0
EMB = 2,757 C.Y. EARTH
1,818 C.Y. SELECT
SURCHARGE = 31 C.Y.
REMOVAL OF SURCHARGE=25 C.Y.

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

670
660
650
640

11+00

T=1.00 %
C=0

EXC = 0
EMB = 6,025 C.Y. EARTH
3,402 C.Y. SELECT

RAMP "F"

RAMP F

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Benjamin Yokota

60 40 20 0 20 40 60 80 100 120 140 160 180

SHEET NO. 44 OF 53 SHEETS

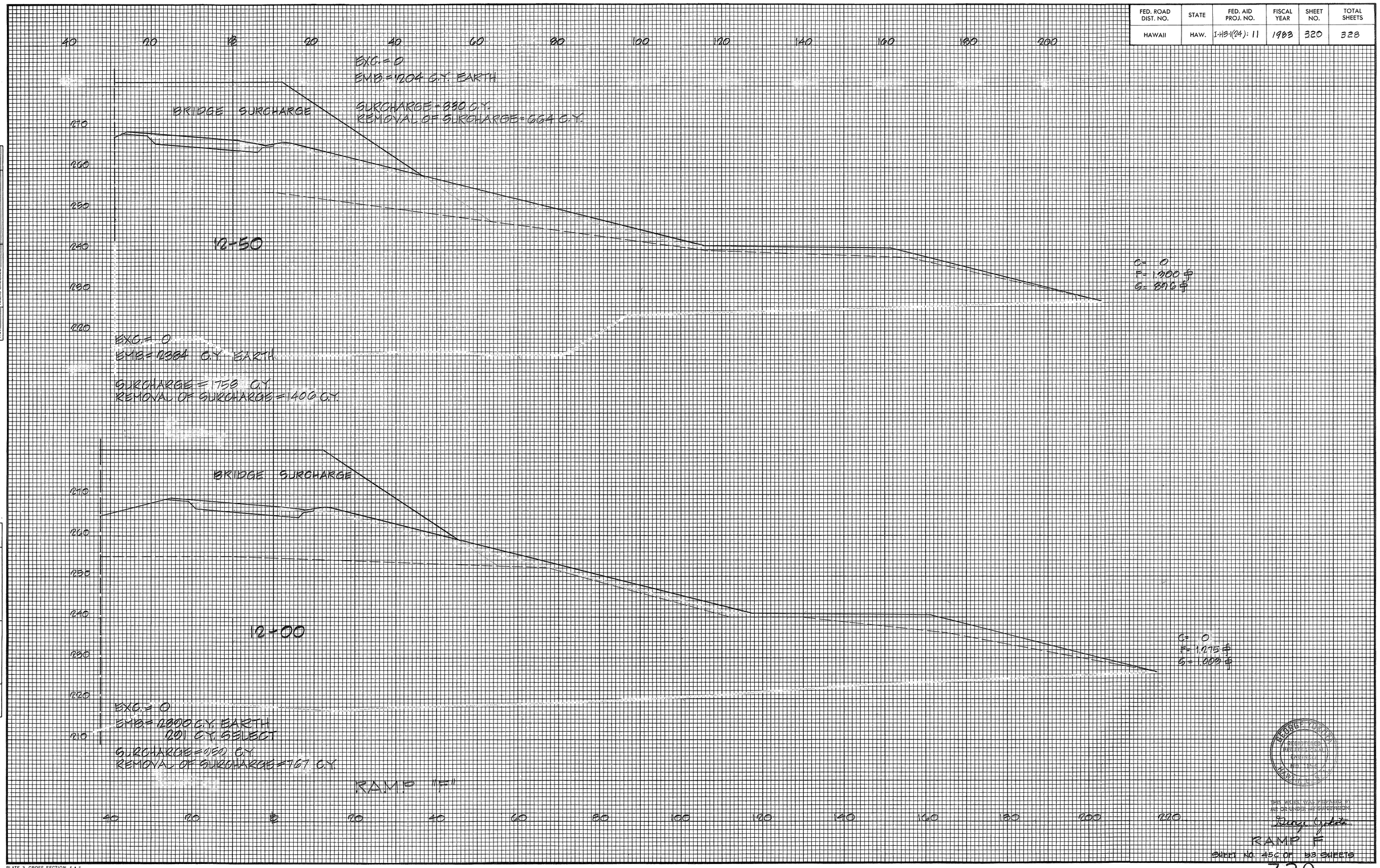
PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

319

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24): 11	1983	320	328

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

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



REGISTERED PROFESSIONAL ENGINEER
CERTIFICATE NOT VALID UNLESS SIGNED AND SEALED

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Irving Oyabe

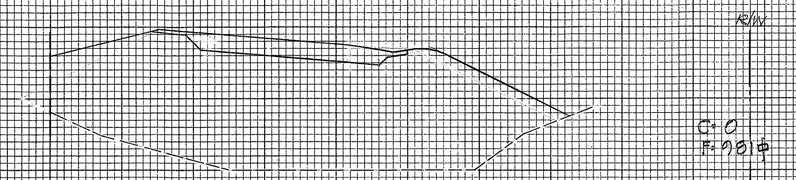
RAMP F
SHEET NO. 45C OF 53 SHEETS

320

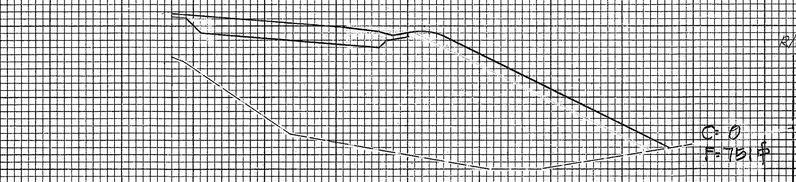
PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL.
NO. 1000H-3

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24): 11	1983	321	328

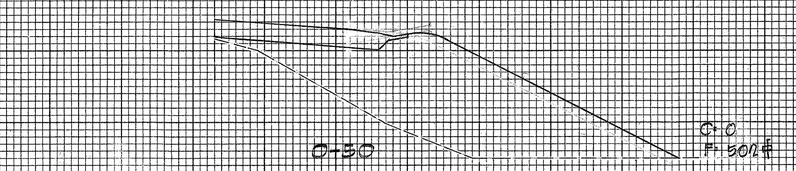
EXC.= 0
EMB.=1082 C.Y. EARTH



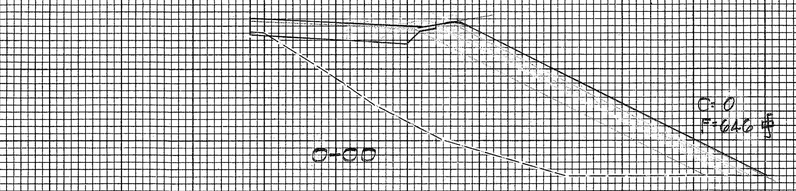
EXC.= 0
EMB.=1604 C.Y. EARTH



EXC.= 0
EMB.=1160 C.Y. EARTH

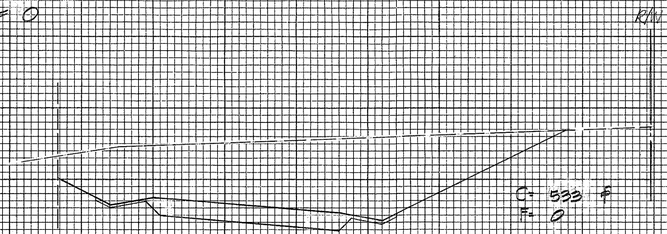


EXC.= 0
EMB.=1065 C.Y. EARTH

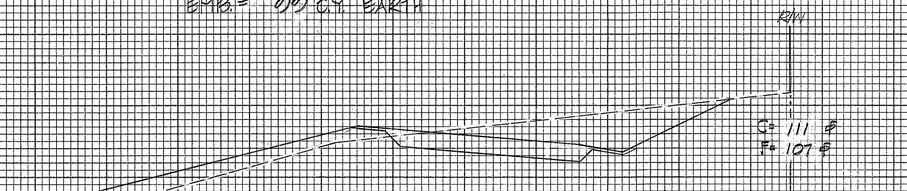


RAMPS "G" & "H"

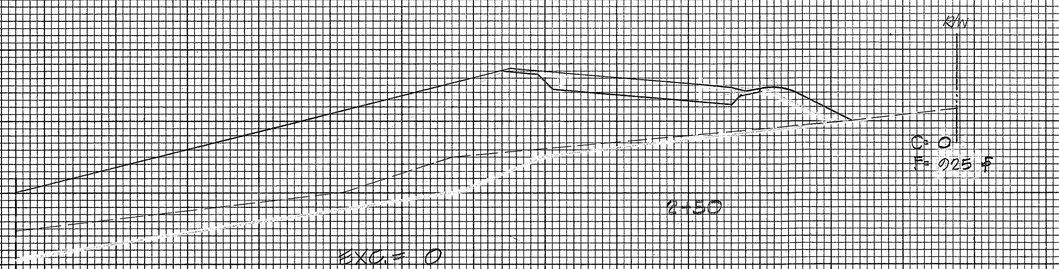
EXC.= 0240 C.Y.
EMB.= 0



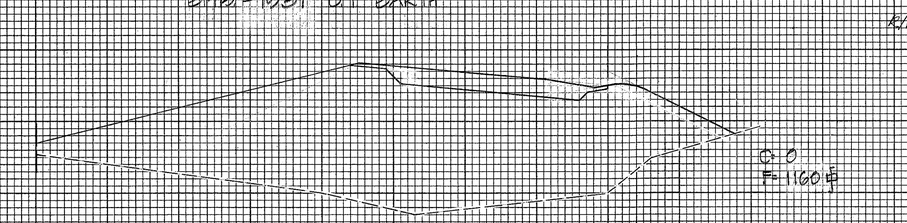
EXC.= 506 C.Y.
EMB.= 00 C.Y. EARTH



EXC.= 103 C.Y.
EMB.= 0156 C.Y. EARTH



EXC.= 0
EMB.=1031 C.Y. EARTH



RAMPS G & H

GEORGE YUEN
REGISTERED PROFESSIONAL ENGINEER
No. 11108
HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SHEET NO. 46 OF 783 SHEETS

321

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, 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-H3-1(24): 11	1983	322	328

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

EXC.= 153 C.Y.
EMB.= 0244 C.Y. EARTH

270
260
250

C=0
F=147 ♯

K/W

5+50

EXC.= 0
EMB.= 166 C.Y. EARTH

270
260
250

C=0
F=274 ♯

K/W

5+00

EXC.= 400 C.Y.
EMB.= 254 C.Y. EARTH

270
260

C=432 ♯
F=0

K/W

4+50

EXC.= 856 C.Y.
EMB.= 0

270
260

C=422 ♯
F=0

K/W

4+00

RAMPS "G" & "H"

50 40 20 0 20 40 60

7+00

EXC.= 146 C.Y.
EMB.= 1150 C.Y. EARTH

270
260
250
240
230

C=415 ♯
F=1060 ♯

K/W

6+50

EXC.= 1761 C.Y.
EMB.= 105 C.Y. EARTH

260
250
240
230

C=117 ♯
F=182 ♯

6+00

270
260
250
240
230

C=165 ♯
F=353 ♯

RAMPS G & H

K/W

40 20 0 20 40 60 80

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Gary Yoh

REGISTERED PROFESSIONAL ENGINEER NO. 4155 STATE OF HAWAII

SHEET NO. 47 OF 53 SHEETS

322

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-HB-1(24):11	1983	323	328

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

EXC.= 71 C.Y.
EMB.= 2123 C.Y. EARTH

C: 0
F: 1343 F

1-50

EXC.= 0
EMB.= 1035 C.Y. EARTH

C: 0
F: 747 F

EXC.= 37 C.Y.
EMB.= 716 C.Y. EARTH

1+00

C: 40 F
F: 26 F

EXC.= 236 C.Y.
EMB.= 250 C.Y. EARTH

0-50

C: 215 F
F: 1 F

0+00

SERVICE ROAD

EXC.= 210 C.Y.
EMB.= 500 C.Y. EARTH

C: 235 F
F: 325 F

3-50

EXC.= 377 C.Y.
EMB.= 535 C.Y. EARTH

C: 172 F
F: 183 F

3+00

EXC.= 124 C.Y.
EMB.= 610 C.Y. EARTH

C: 50 F
F: 486 F

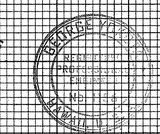
2-50

EXC.= 1126 C.Y.
EMB.= 10300 C.Y. EARTH

C: 77 F
F: 950 F

2+00

SERVICE ROAD



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Dinyar Yakta

SHEET NO. 480 OF 53 SHEETS

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-H3-1(24): 11	1983	324	328

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

EXC. = 0
EMB. = 12034 C.Y. EARTH

C = 0
F = 1712 ft

EXC. = 0 5+50
EMB. = 5403 C.Y. EARTH

C = 0
F = 1085 ft

EXC. = 0
EMB. = 3468 C.Y. EARTH 5+00

C = 0
F = 1755 ft

EXC. = 55 C.Y.
EMB. = 2750 C.Y. EARTH 4+50

C = 57 ft
F = 1238 ft

4+00

SERVICE ROAD AND RAMP "C"

RAMP "C"

GRADE CONTROL POINT

SERVICE ROAD

C = 0
F = 1510 ft
S = 155 ft
B = 77 ft

EXC. = 0
EMB. = 12680 C.Y. EARTH 7+50

BLANKET = 71 C.Y.
RAMP "C"

GRADE CONTROL POINT

SERVICE ROAD

C = 0
F = 1316 ft
S = 120 ft

EXC. = 0
EMB. = 10250 C.Y. EARTH 7+00

C = 0
F = 1116 ft

EXC. = 0
EMB. = 12282 C.Y. EARTH 6+50

C = 0
F = 1349 ft

6+00

SERVICE RD. & RAMP C

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SHEET NO. 49COF 53 SHEETS

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

324

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24):11	1983	325	328

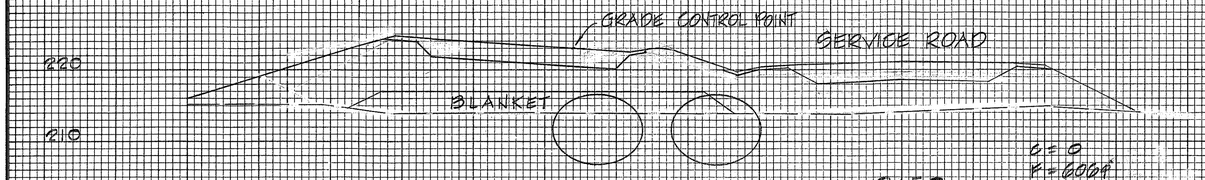
FINAL SURVEY — NOTE BOOK NO. — SURVEYED / PLOTTED / TEMPLATE / AREAS / AREAS CHECKED — BY — DATE

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

EXC. = 0
EMB. = 1081 C.Y. EARTH

BLANKET = 949 C.Y.

RAMP "C"



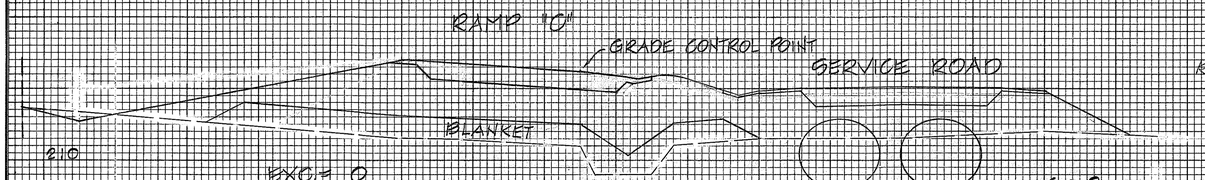
0+50

C = 0
F = 6064 ft
B = 1483 ft

EXC. = 0
EMB. = 1155 C.Y. EARTH

BLANKET = 953 C.Y.

RAMP "C"



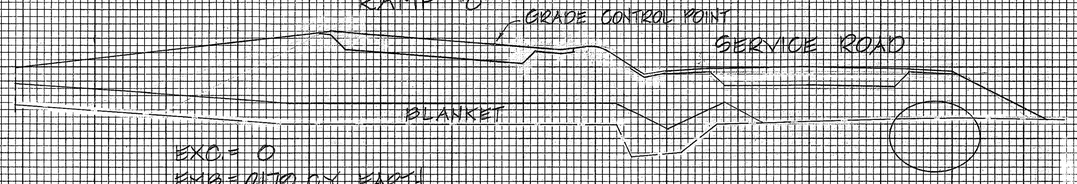
0+00

C = 0
F = 640 ft
B = 638 ft

EXC. = 0
EMB. = 1556 C.Y. EARTH

BLANKET = 521 C.Y.

RAMP "C"



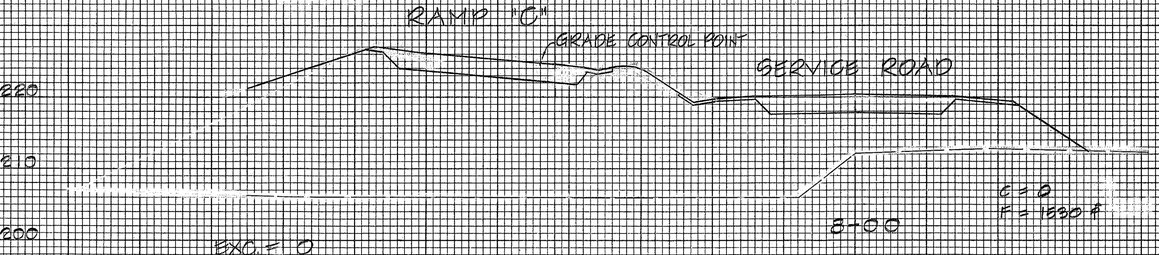
5+50

C = 0
F = 823 ft
B = 325 ft

EXC. = 0
EMB. = 1170 C.Y. EARTH

BLANKET = 301 C.Y.

RAMP "C"



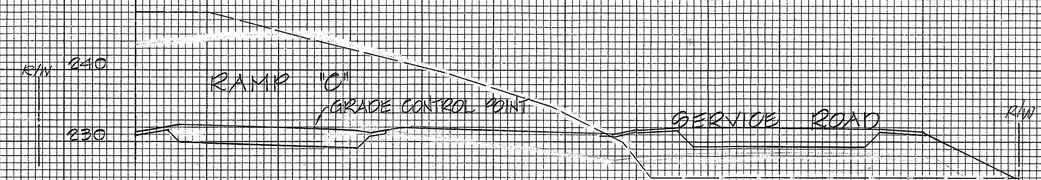
8+00

C = 0
F = 1530 ft

EXC. = 0
EMB. = 2878 C.Y. EARTH

SERVICE ROAD AND RAMP "C"

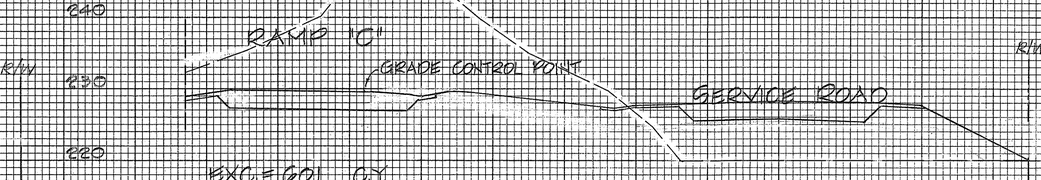
EXC. = 1244 C.Y.
EMB. = 436 C.Y. EARTH



11+50

C = 726 ft
F = 251 ft

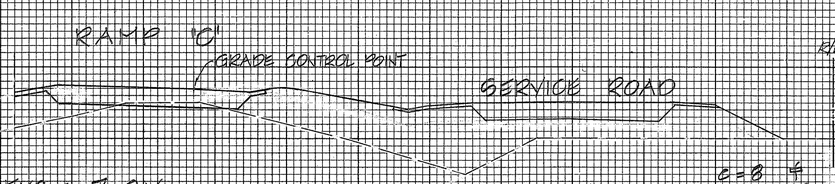
EXC. = 1066 C.Y.
EMB. = 407 C.Y. EARTH



11+00

C = 641 ft
F = 286 ft

EXC. = 601 C.Y.
EMB. = 605 C.Y. EARTH

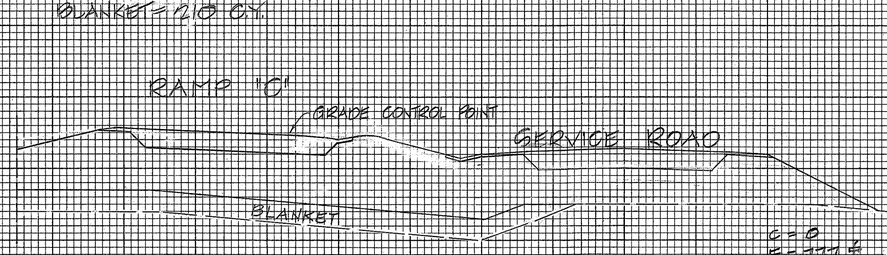


10+50

C = 8 ft
F = 507 ft

EXC. = 7 C.Y.
EMB. = 1050 C.Y. EARTH

BLANKET = 210 C.Y.



10+00

C = 0
F = 177 ft
B = 227 ft

SERVICE RD. & RAMP C

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Duane Fujita

REGISTERED PROFESSIONAL ENGINEER — STATE OF HAWAII

SHEET NO 50 OF 53 SHEETS

80 60 40 20 0 20 40 60 80 60 40 20 0

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-H3-1(24):	1983	326	328

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

EXC.= 190 C.Y.
EMB.= 117 C.Y. EARTH

RAMP "C"

GRADE CONTROL POINT

SERVICE ROAD

R/W

C: 512 ft
F: 67 ft

13 + 50

EXC.= 1403 C.Y.
EMB.=108 C.Y. EARTH

EXC.= 990 C.Y.
EMB.= 182 C.Y. EARTH

RAMP "C"

GRADE CONTROL POINT

SERVICE ROAD

R/W

C: 1232 ft
F: 58 ft

15 + 00

EXC.= 2170 C.Y.
EMB.= 152 C.Y. EARTH

RAMP "C"

GRADE CONTROL POINT

SERVICE ROAD

R/W

C: 557 ft
F: 130 ft

13 + 00

EXC.= 1802 C.Y.
EMB.= 153 C.Y. EARTH

RAMP "C"

GRADE CONTROL POINT

SERVICE ROAD

R/W

C: 380 ft
F: 152 ft

12 + 50

C: 1118 ft
F: 106 ft

14 + 50

EXC.= 1124 C.Y.
EMB.= 388 C.Y. EARTH

RAMP "C"

GRADE CONTROL POINT

SERVICE ROAD

R/W

C: 618 ft
F: 213 ft

12 + 00

C: 603 ft
F: 50 ft

14 + 00

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SERVICE ROAD AND RAMP "C"

SERVICE RD. & RAMP C

SHEET NO. 51C OF 43 SHEETS

PLATE 3-CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL.

NO. 1000H-3

326

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(24):	1983	327	328

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

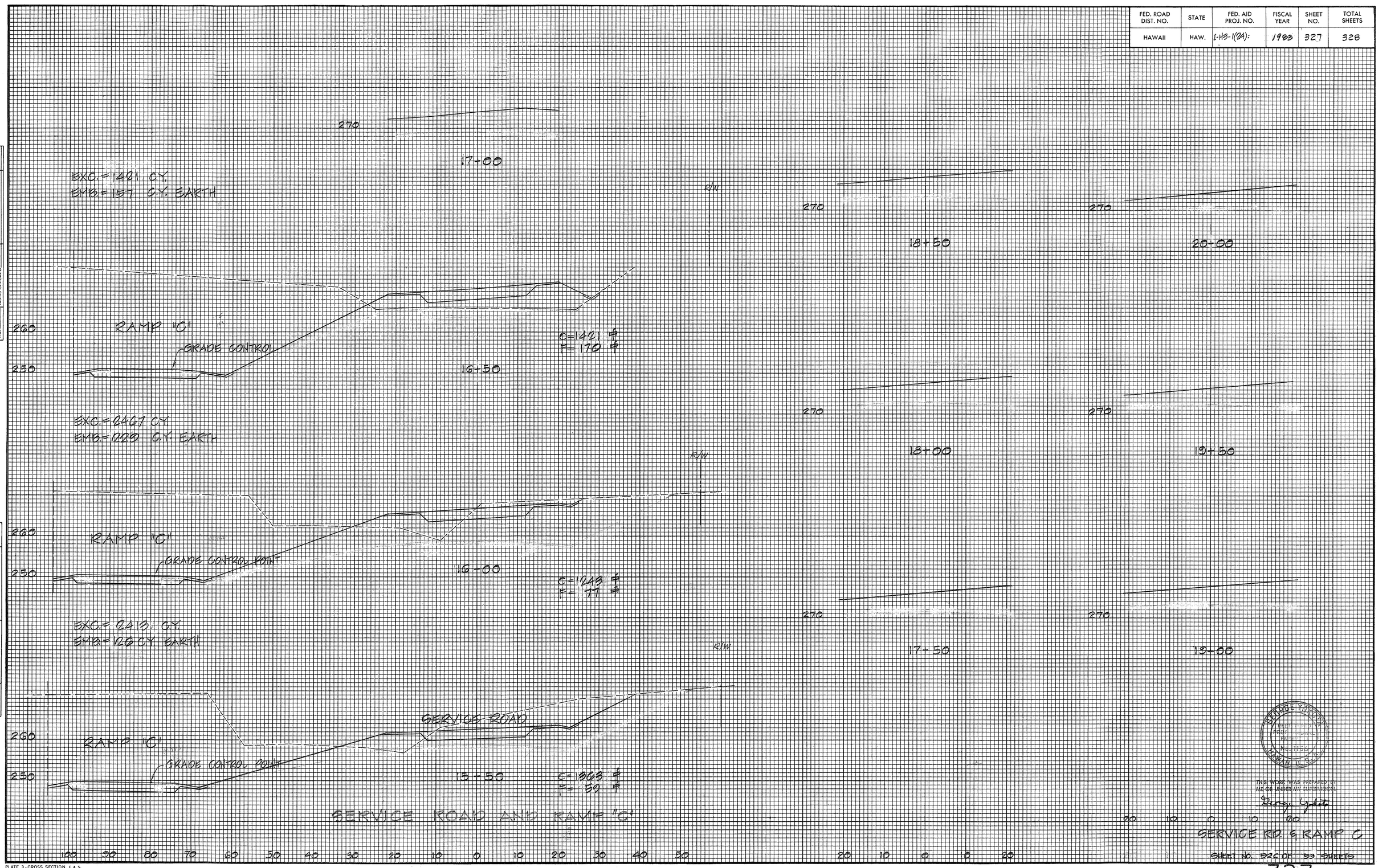


PLATE 3 - CROSS SECTION, F.A.S.
CLEARPRINT PAPER CO., S. F. CAL. NO. 1000H-3

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Surveyor, Hawaii

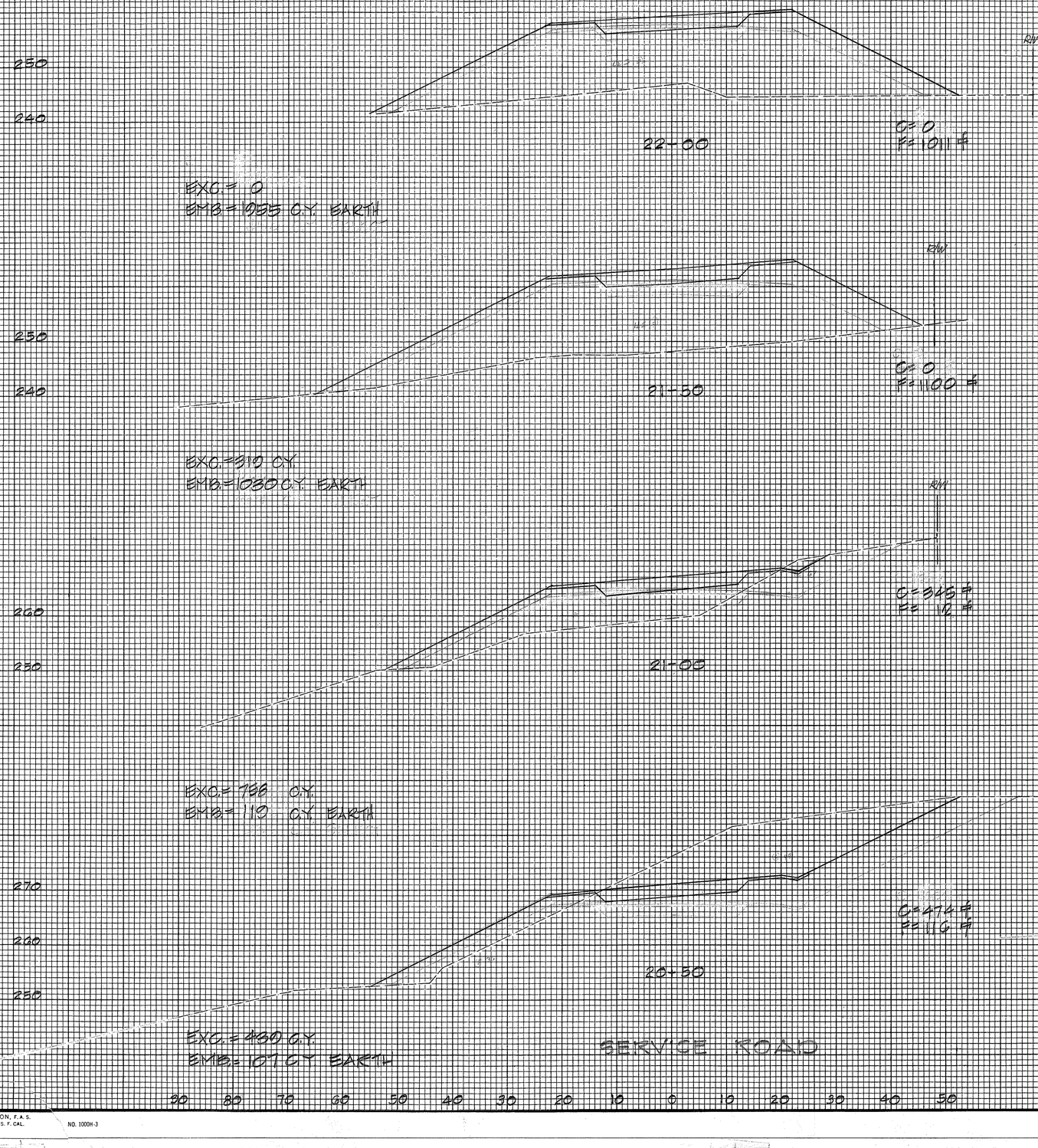
SHEET NO. 52C OF 53 SHEETS

327

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(24):	1983	328	328

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



GEORGE YUEN
REGISTERED
PROFESSIONAL
ENGINEER
No. 5154
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
George Yuen

SHEET NO. 53 OF 53 SHEETS

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

328