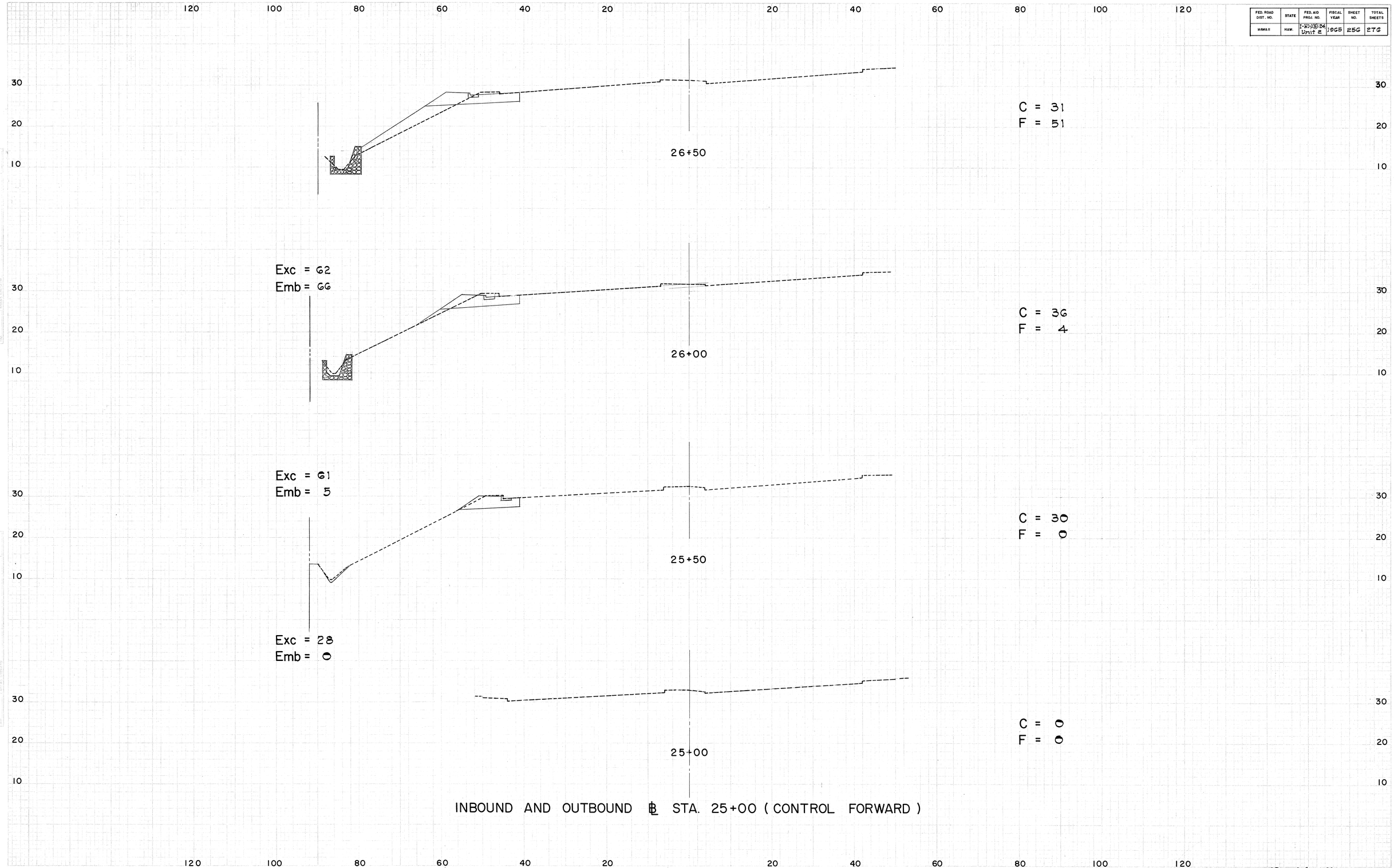
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H-3(8)84 Unit 2	1968	256	276



INBOUND AND OUTBOUND ℄ STA. 25+00 (CONTROL FORWARD)

PLATE 3-HEADS SECTIONS

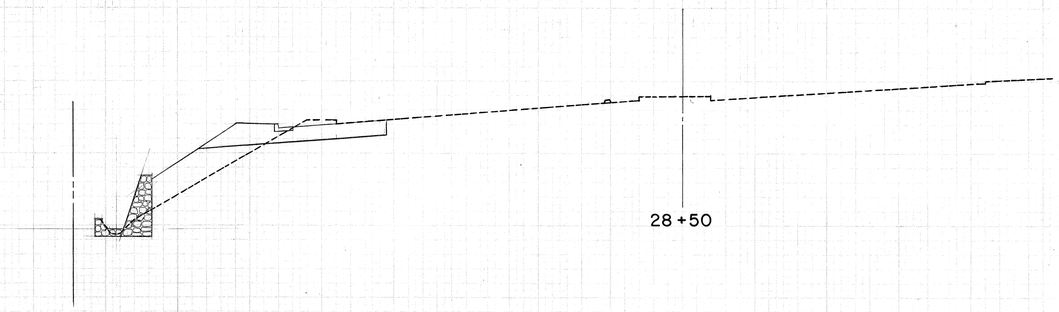
256

FRWY X SECT Sta 25+00 to 26+50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(5)24 Unit 2	1965	257	278

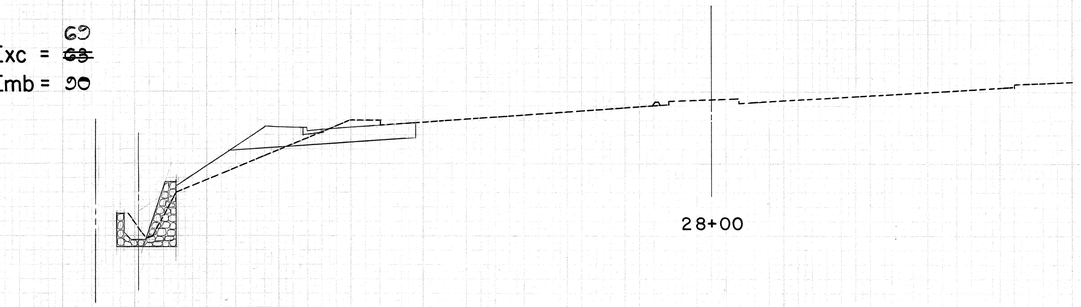
120 100 80 60 40 20 20 40 60 80 100 120

30 20 10



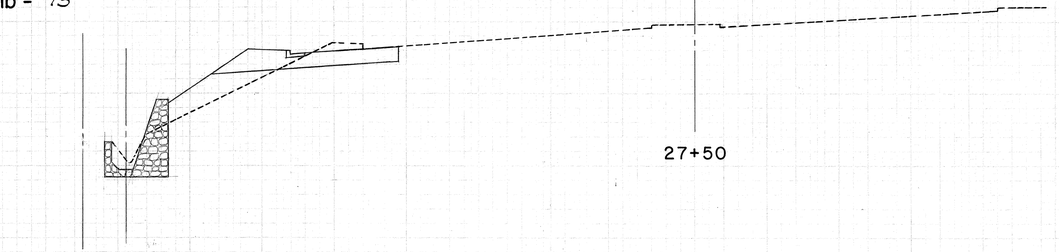
C = ~~34~~ 40
F = 50

Exc = ~~68~~ 69
Emb = 90



C = 34
F = 25

Exc = 63
Emb = 73



C = 34
F = 36

Exc = 61
Emb = 126

C = 32
F = 60

Exc = 58
Emb = 144

257

FRW'Y X SECT Sta 27+00 to 28+50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(8)-3% Unit 2	1965	258	276

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

30+50 (I.B.)

C = ~~110~~ 114
F = 0

Exc = ~~207~~ 219
Emb = 1

30+00 (I.B.)

C = ~~114~~ 122
F = 1

Exc = ~~213~~ 230
Emb = 12

29+50 (I.B.)

C = ~~116~~ 126
F = 0

INBOUND STA. 29+02.30 (CONTROL FORWARD)
INBOUND AND OUTBOUND ℄ STA. 29+02.30 (CONTROL BACK)

Exc = ~~139~~ 158
Emb = 44

17.71
1'-0" Pipe Invert
Ditch Invert

29+00

C = ~~34~~ 45
F = 28

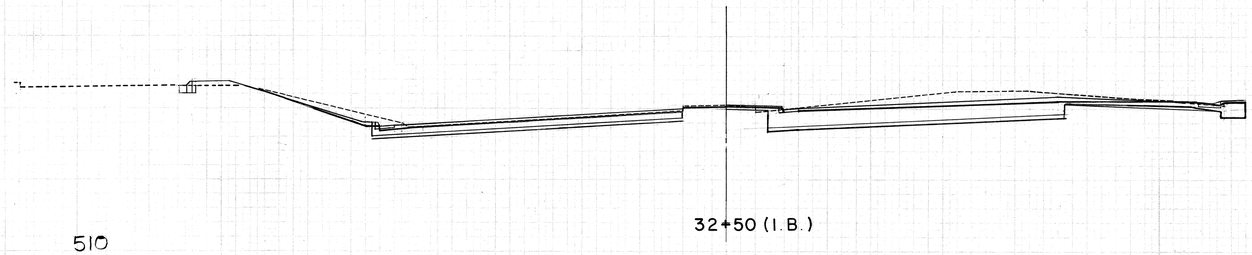
Exc = ~~63~~ 79
Emb = 24

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

258

FRW'Y X SECT. Sta. 29+00 to 30+50

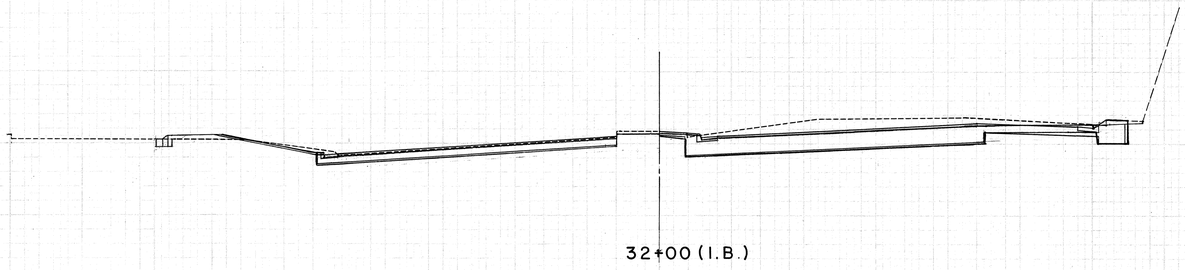
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-1(8)24 Unit 2	1965	259	276



32+50 (I.B.)

Exc = 510 ~~453~~
Emb = 17

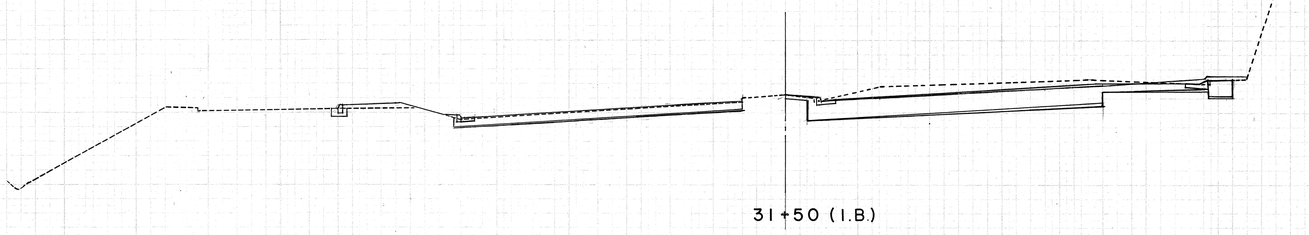
C = 276 ~~240~~
F = 6



32+00 (I.B.)

Exc = 469 ~~435~~
Emb = 18

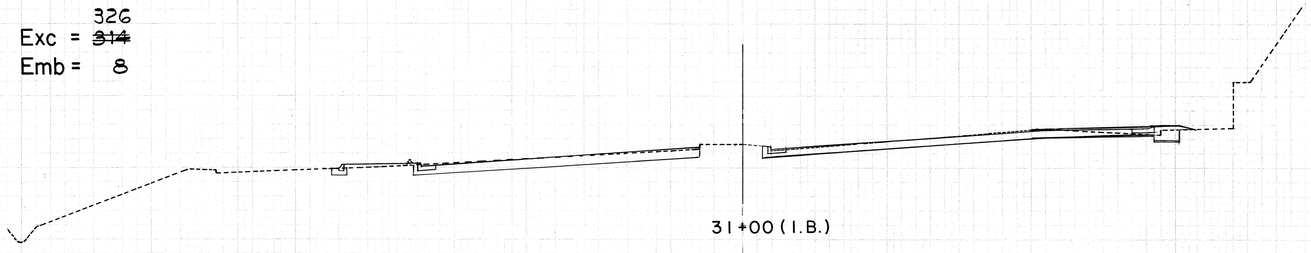
C = 275 ~~249~~
F = 8



31+50 (I.B.)

Exc = 326 ~~314~~
Emb = 8

C = 232 ~~221~~
F = 7



31+00 (I.B.)

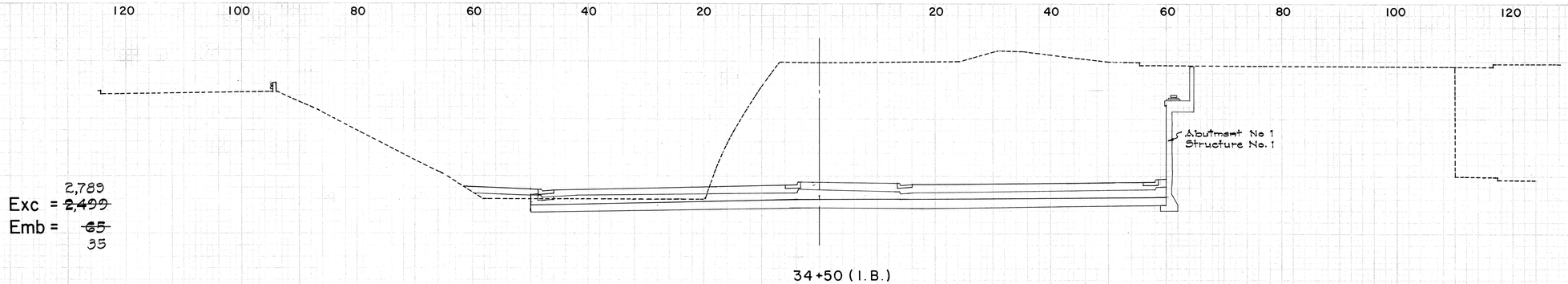
Exc = 217 ~~211~~
Emb = 0

C = 120 ~~118~~
F = 0

259

FRW'Y X SECT. Sta. 31+00 to 32+50

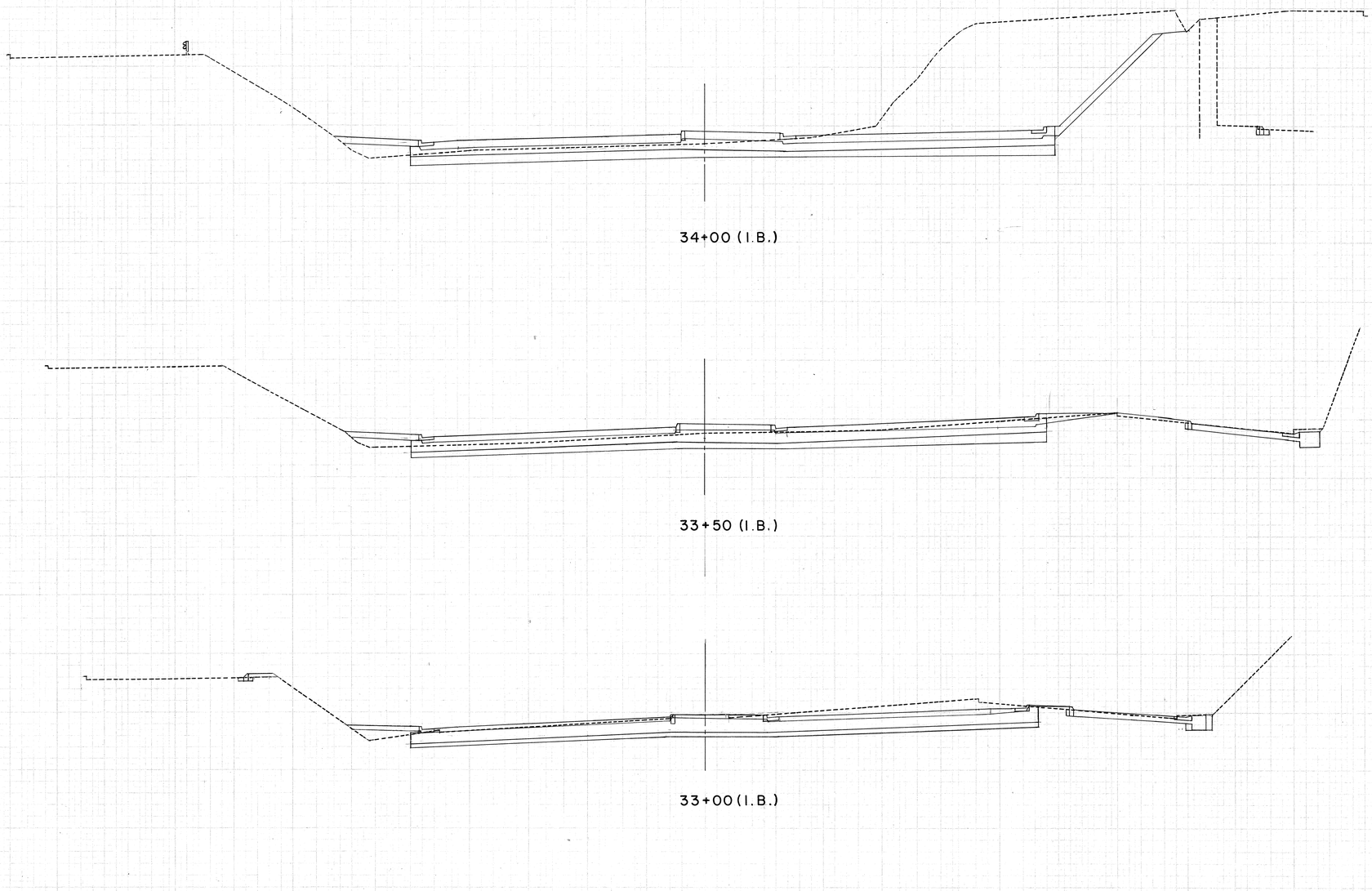
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-IR-64 Unit 2	1965	260	272



34+50 (I.B.)

Exc = 2,789 ~~2,499~~
Emb = ~~65~~ 35

C = 1,980 ~~1,856~~
F = ~~20~~ 9



34+00 (I.B.)

Exc = 1,255 ~~960~~
Emb = ~~72~~ 49

C = 1,032 ~~843~~
F = ~~34~~ 20

33+50 (I.B.)

Exc = 676 ~~501~~
Emb = ~~57~~ 43

C = 323 ~~203~~
F = ~~25~~ 21

33+00 (I.B.)

Exc = 632 ~~535~~
Emb = ~~35~~ 25

C = 407 ~~338~~
F = ~~23~~ 15

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

PLATE 3—CROSS SECTIONS U. S. P. R. R. STANDARD

260

FRW'Y X SECT. Sta. 33+00 to 34+50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-H-1(8)34 Unit 2	1965	261A	276

Revised: July 16, 1965
June 3, 1966

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

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

40
30
20

~~Exc = 5,605~~
~~Emb = 0~~

36+50 (I.B.)

C = 800
F = 0

~~Exc = 5,366~~
~~Emb = 0~~

36+00 (I.B.)

C = 430
F = 0

~~Exc = 5,494~~
~~Emb = 18~~

35+50 (I.B.)

C = 109
F = 0

~~Exc = 4,574~~
~~Emb = 42~~

35+00 (I.B.)

~~C = 3,084~~
~~F = 15~~

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

C0261A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HH-1(8)-84 Unit 2	1965	262A	276

Revised: July 16, 1965
June 3, 1966

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

38+50 (O.B.)

~~Exc = 925~~
~~Emb = 364~~

~~C = 3~~
~~F = 298~~

38+00 (O.B.)

~~Exc = 2,994~~
~~Emb = 5~~

~~C = 936~~
~~F = 4~~

37+50 (O.B.)

~~Exc = 4,543~~
~~Emb = 0~~

C = 279
F = 0

C = 751
F = 0

~~Exc = 5,758~~
~~Emb = 0~~

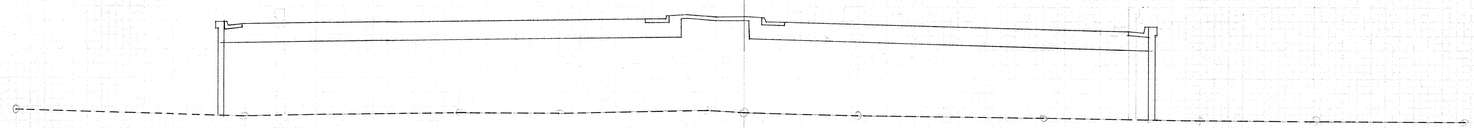
OUTBOUND STA. 37+02.30 (CONTROL FORWARD)
INBOUND STA. 37+01.74 (CONTROL BACK)

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

CO 262A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(6)24 Unit 2	1965	263A	276

Revised: July 16, 1965

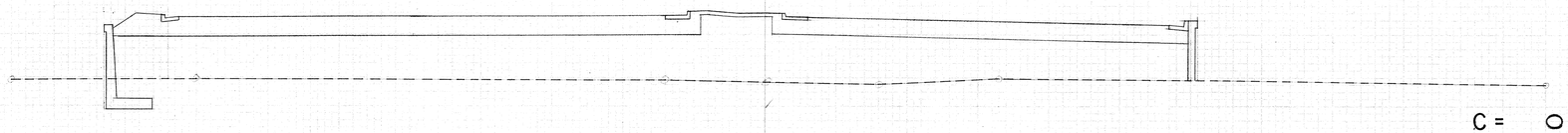


41+10 (O.B.)

Skewed Section projected on plane transveree to ℄

C = 0
F = 1,348

Exc = STRUCTURE
Emb =

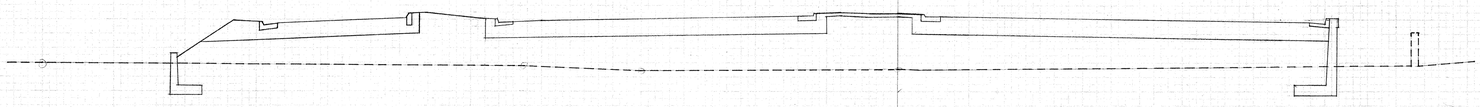


39+95 (O.B.)

Skewed Section projected on plane transveree to ℄

C = 0
F = 962

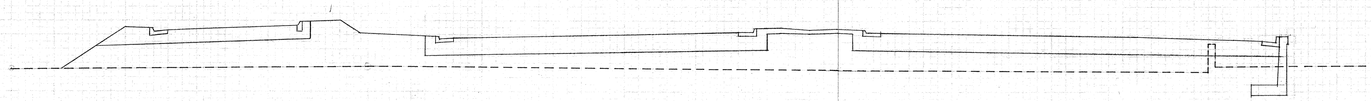
Exc = 0
Emb = 1,856



39+50 (O.B.)

C = 0
F = 751

Exc = 0
Emb = 1,520



39+00 (O.B.)

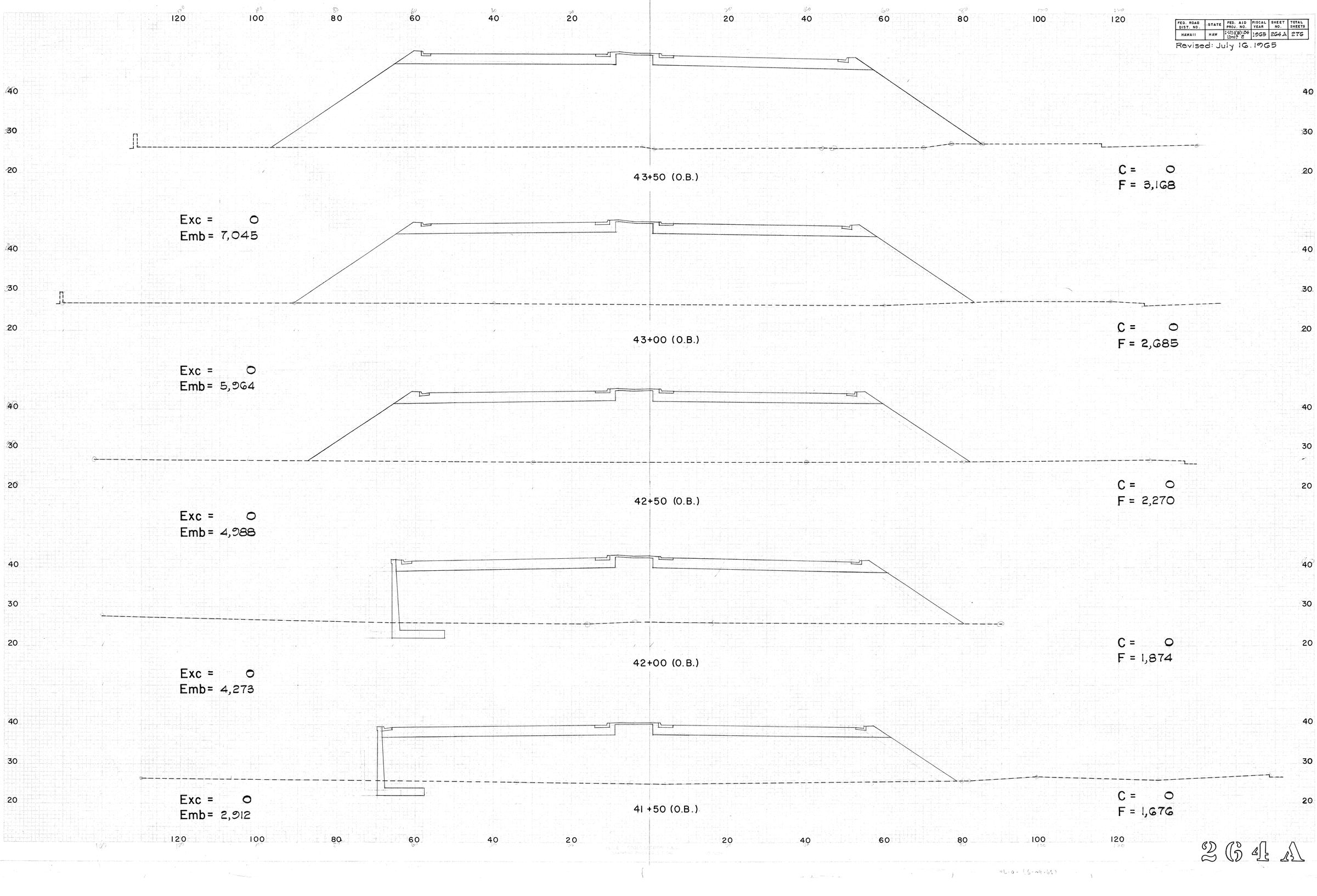
C = 0
F = 512

Exc = 3
Emb = 975

263A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-(2)1(8)-2-4 (2)+17-2	1968	264A	276

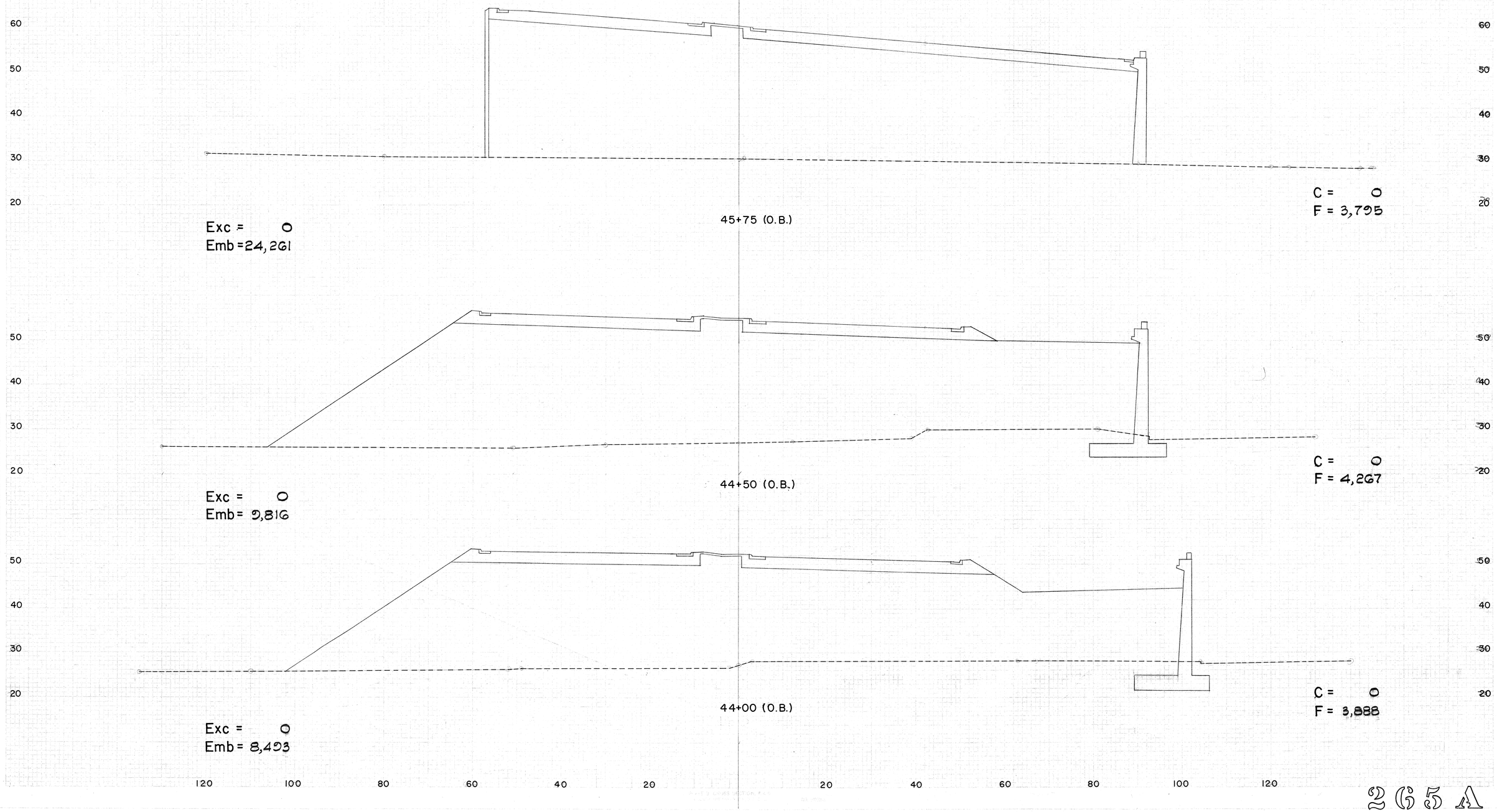
Revised: July 16, 1965



264A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	S-HI-081-04 Unit 2	1965	265A	276

Revised: July 16, 1965

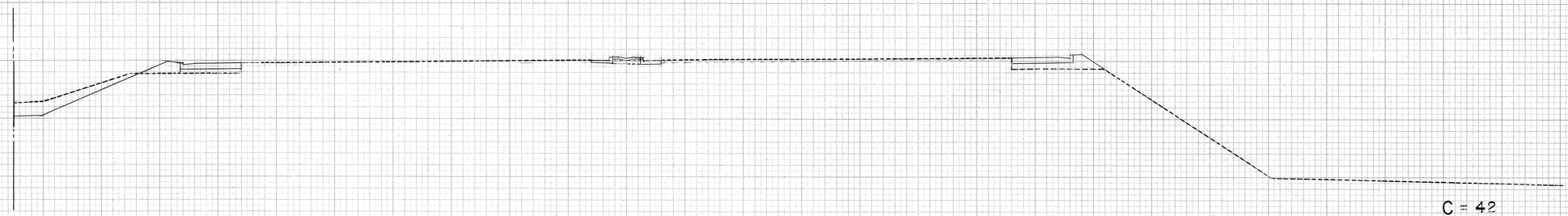


265A

FED. ROAD DIST. NO.	STATE	FED. AND PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HI-(5)24 Unit 2	1965	266	276

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

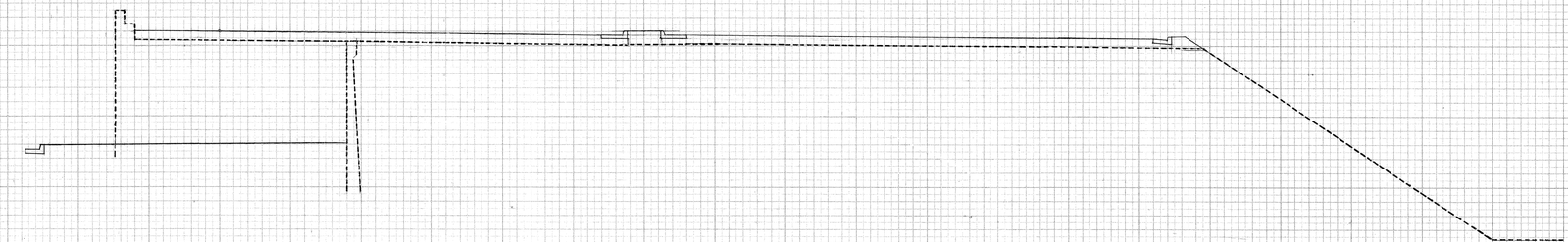
60 50 40 30



C = 42
F = 3

Exc = 52
Emb = 13

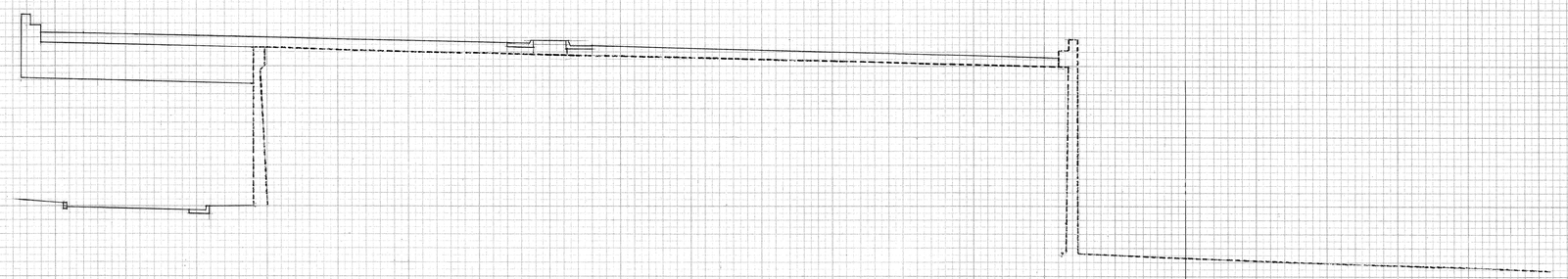
56+00



C = 0
F = 5

Exc = 0
Emb = 20

55+33



C = 0
F = 5

54+50

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

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

266

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

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-(5)84 Unit 2	1965	267	276

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

60 50 40

59+00

Exc = 0
Emb = 0

C = 0
F = 0

60 50 40

58+00

Exc = 0
Emb = 0

C = 0
F = 0

60 50 40

57+00

Exc = 78
Emb = 8

C = 0
F = 0

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

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

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

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H1-1(82)24 Unit 2	1965	268	276

90 80 70 60 50 40 30 20 10 ℄ 10 20 30

40 / 30

Exc =
Emb =

C =
F =

13+50

13+00

12+50

12+00

11+50

11+00

16+00

15+50

15+00

14+50

14+00

Excavation and Embankment figures are not shown on this sheet because quantities have been determined by surface area and average depth method. Excavation quantities are included in the Proposal Schedule.

SOUTH KING STREET

PLATE 3-CROSS SECTION A. F. A. A. R. E. STANDARD
J. H. VIEH CO. PHILADELPHIA

2 6 8

KING ST X SECT. Sta. 11+00 to 16+00

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-H1-1(5):24 Unit 2	1965	269	276

240 220 200 180 160 140 120 100 80 60 40 20 M 20 40 60

16+00

Exc =
Emb =

C =
F =

15+00

Exc =
Emb =

C =
F =

14+00

Exc =
Emb =

C =
F =

13+00

Exc =
Emb =

C =
F =

12+00

Exc =
Emb =

C =
F =

11+50

Exc =
Emb =

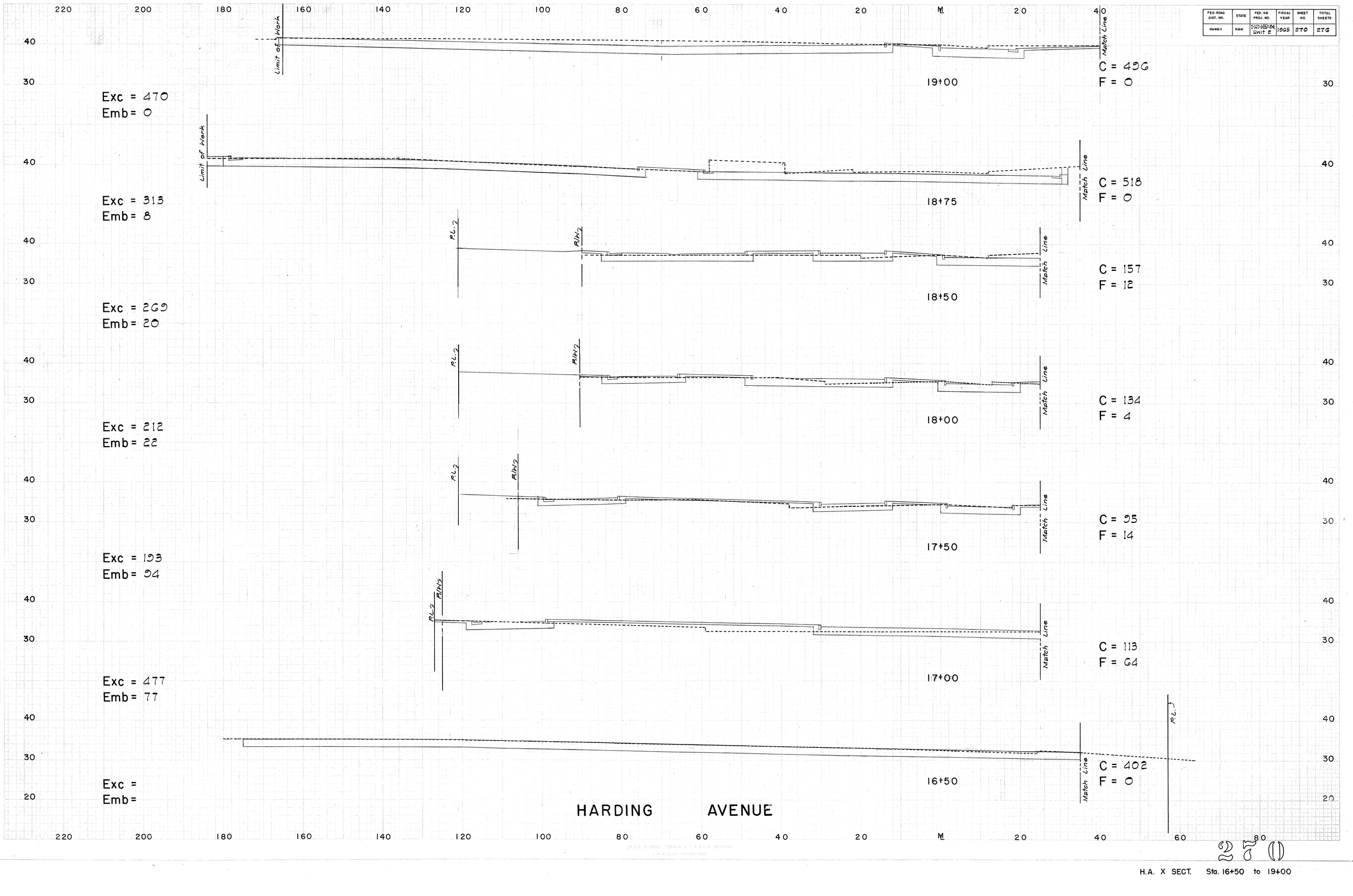
C =
F =

Excavation and Embankment figures are not shown on this sheet because quantities have been determined by surface area and average depth method. Excavation quantities are included in the Proposal Schedule.

HARDING AVENUE

H.A. X SECT. Sta. 11+00 to 16+00

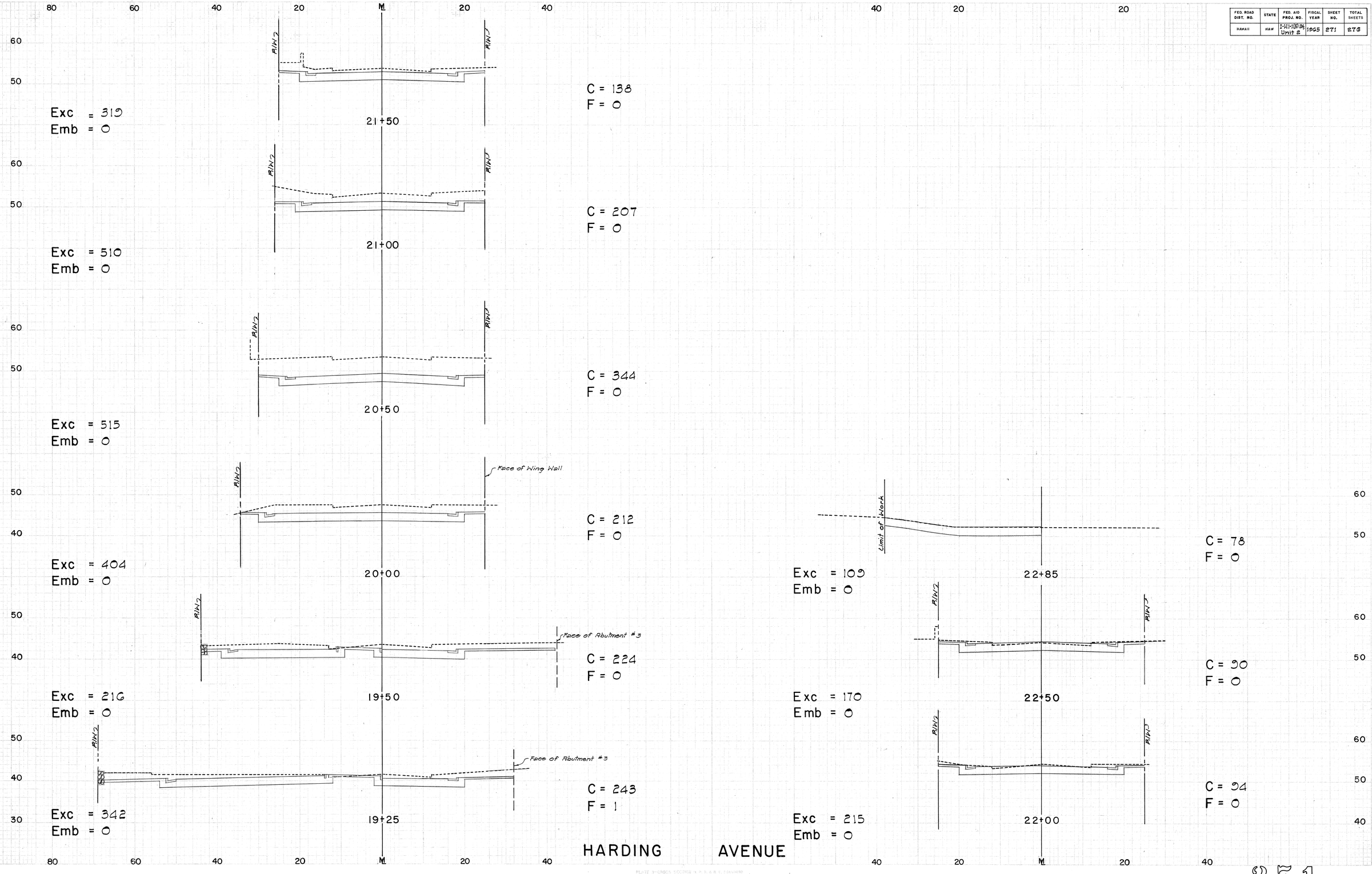
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	[illegible] Unit 2	1965	270	276



H.A. X SECT. Sta. 16+50 to 19+00

271

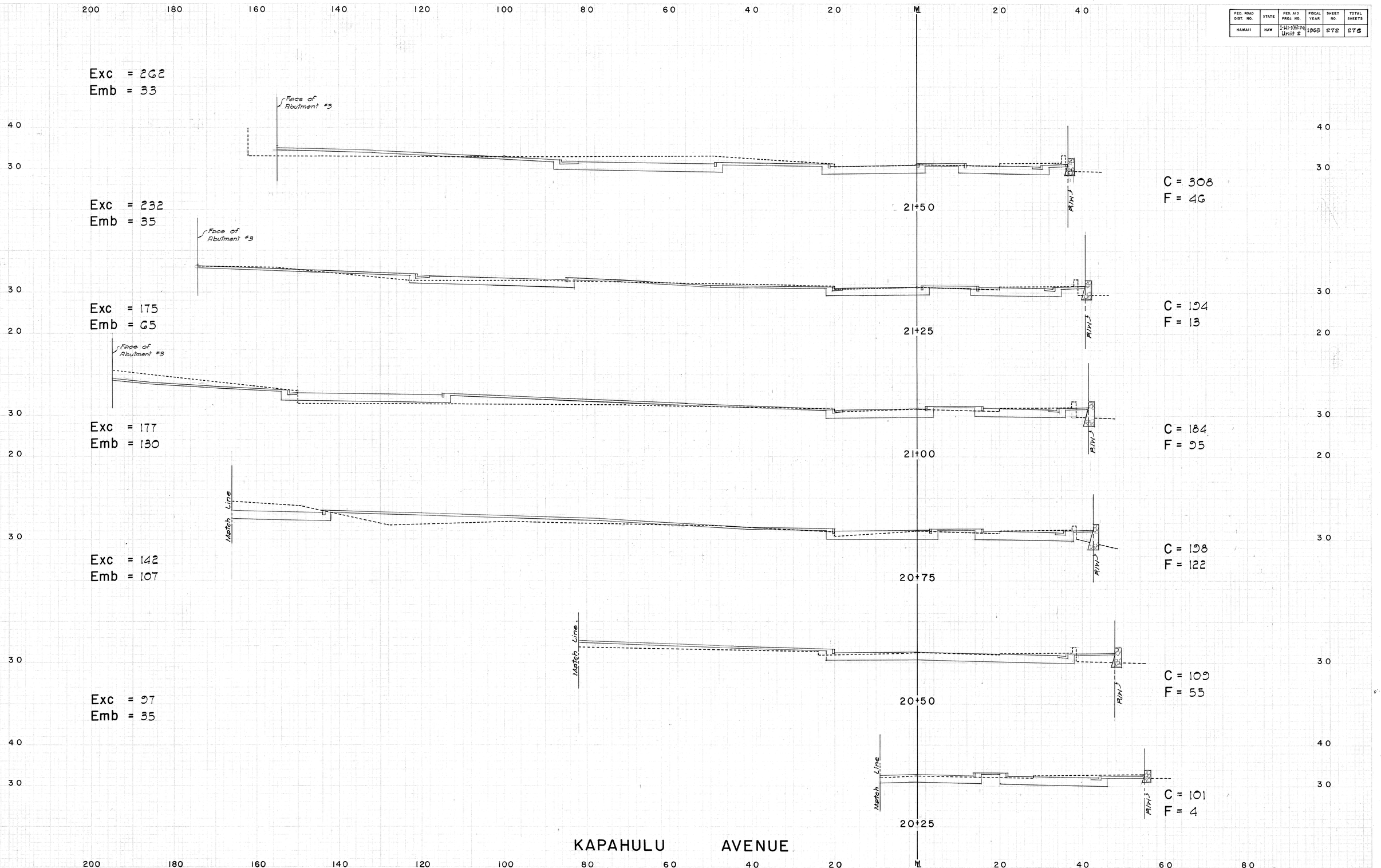
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-H-H1(8)26 Unit 2	1965	271	276



271

H.A. X SECT. Sta. 19+25 to 22+00

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	I-HI-1(8)24 Unit 2	1965	272	276



272

KAPAHULU AVE. X SECT. Sta 20+25 to 21+50

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
HAWAII	HAW	I-H1-1(15)24 Unit 2	1965	273	276

140 120 100 80 60 40 20 M 20 40

30
20

Exc = 0
Emb = 0

23+00

C = 0
F = 0

30
20

Exc = 0
Emb = 0

22+75

C = 0
F = 0

30
20

Exc = 46
Emb = 0

22+50

C = 0
F = 0

30

Exc = 157
Emb = 17

22+25

C = 100
F = 0

40
30

Exc = 231
Emb = 21

Face of Abutment #3

22+00

C = 240
F = 28

40
30

21+75

C = 258
F = 7

RIW

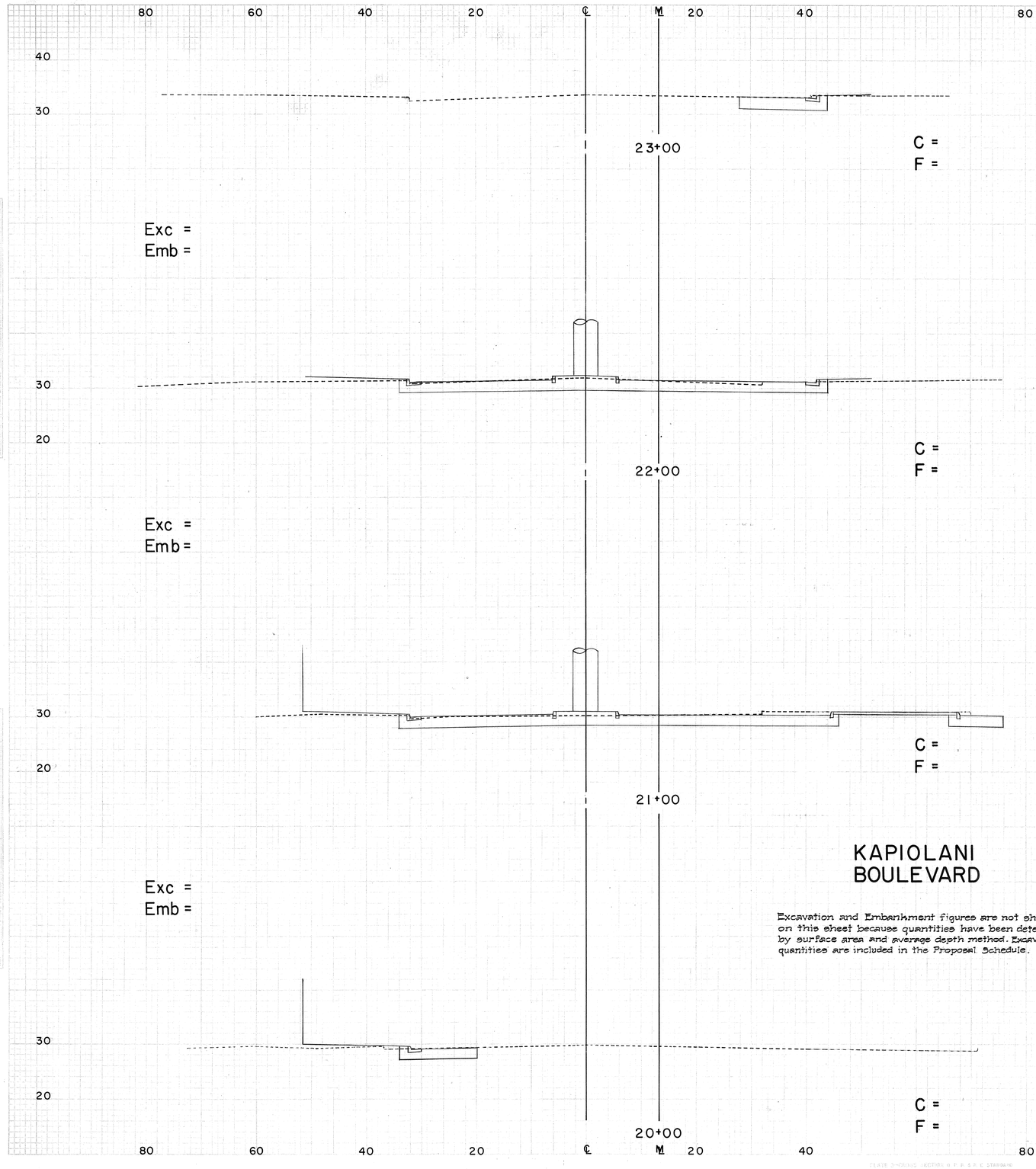
KAPAHULU AVENUE

140 120 100 80 60 40 20 M 20 40

30
20

KAPAHULU AVE. X SECT. Sta. 21+75 to 23+00

FED. ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H1-1(8)24 Unit 2	1965	274	276



KAPIOLANI BOULEVARD

Excavation and Embankment figures are not shown on this sheet because quantities have been determined by surface area and average depth method. Excavation quantities are included in the Proposal Schedule.

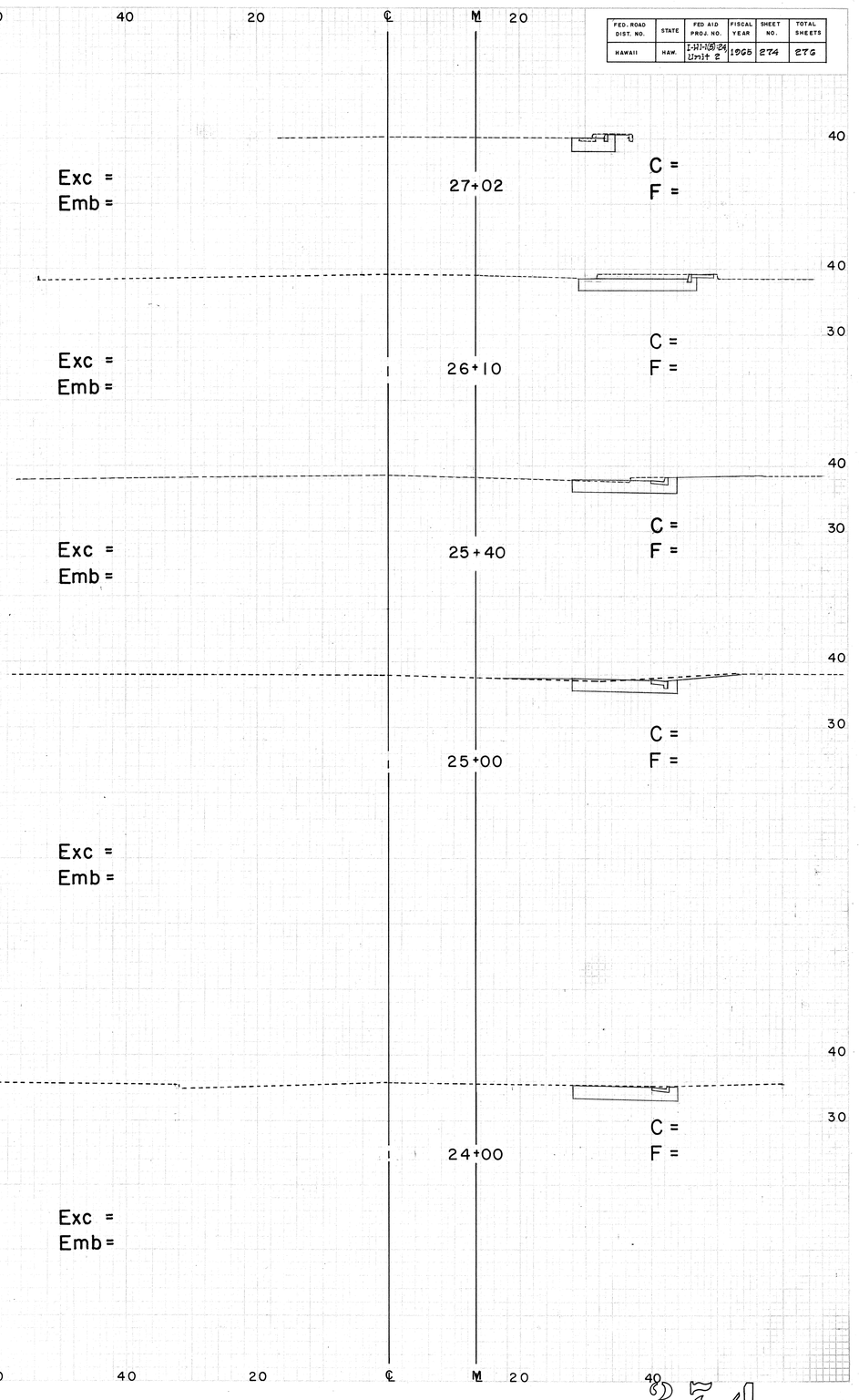


PLATE 3-CROSS SECTION A.P.B.S.P.C. STANDARD
CHILTON CO., PHILADELPHIA

EXIST. KAPIOLANI BLVD. X SECT. Sta. 20+00 to 26+00