FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw.	F.A.P. 3E	1996	19	30

	BY	DATE
B.B.M. & J.L.P.		12-'95
J.L.P. & H.I.		1-'96
B.B.M.		" "
J.L.		" "
J.L.S. & H.I.		" "

FINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, TEMPLATE, AREAS, CROSS SECTIONS CHECKED, NO. 314, 315

ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, AREAS, CROSS SECTIONS CHECKED, NO.

17.52
14.5
575 + 50
C = 5
F = 106
Exc. = 7 c.y
Emb. = 196 "

17.98
15.2
575 + 00
C = 3
F = 106
Exc. = 9 c.y
Emb. = 181 "

18.49
16.2
574 + 50
C = 7
F = 89
Exc. = 26 c.y
Emb. = 116 "

19.10
18.0
574 + 00
C = 21
F = 36
Exc. = 34 c.y
Emb. = 43 "

19.73
19.5
573 + 50
C = 16
F = 10
Exc. = 30 c.y
Emb. = 14 "

20.02
20.1
573 + 00
C = 16
F = 3
Exc. = 29 c.y
Emb. = 7 "

19.96
20.0
572 + 50
C = 15
F = 3
Exc. = 31 c.y
Emb. = 6 "

EXISTING SYPHON AT STA. 572+18

19.57
19.5
572 + 00
C = 18
F = 3
Exc. = 37 c.y
Emb. = 5 "

19.09
19.1
571 + 50
C = 22
F = 2
Exc. = 20 c.y
Emb. = 2 "

18.62
18.7
571 + 00
Exc. = 31 c.y
Emb. = 6 "

16.50
13.8
580 + 50
C = 3
F = 106
Exc. = 4 c.y
Emb. = 205 "

16.50
13.5
580 + 00
C = 1
F = 115
Exc. = 6 c.y
Emb. = 197 "

16.50
14.0
579 + 50
C = 5
F = 98
Exc. = 18 c.y
Emb. = 155 "

16.50
14.6
579 + 00
C = 14
F = 69
Exc. = 23 c.y
Emb. = 132 "

16.50
14.3
578 + 50
C = 11
F = 73
Exc. = 16 c.y
Emb. = 153 "

16.50
14.1
578 + 00
C = 6
F = 92
Exc. = 8 c.y
Emb. = 174 "

16.54
13.7
577 + 50
C = 3
F = 96
Exc. = 6 c.y
Emb. = 182 "

16.66
13.3
577 + 00
C = 3
F = 101
Exc. = 7 c.y
Emb. = 191 "

16.87
13.8
576 + 50
C = 5
F = 105
Exc. = 8 c.y
Emb. = 204 "

17.15
14.3
576 + 00
C = 4
F = 115
Exc. = 8 c.y
Emb. = 205 "

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

4368.19

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	FAP 3E	1936	20	30

FINAL SURVEY
SURVEYED B.B.M. & J.L.P 12-35
PLOTTED J.L. " 3-36
TEMPLATE B.B.M. " "
AREAS J.M.P & J.H.L " "
NOTE BOOK REF. NO. 374 395
AREAS CHECKED J.M.P & J.H.L

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

584 + 50
C = 11
F = 108
17.25
14.3
Exc. = 25 c.y
Emb. = 205 "

584 + 00
C = 16
F = 113
17.53
13.9
Exc. = 71 c.y
Emb. = 129 "

583 + 50
C = 61
F = 216
17.62
16.9
Exc. = 69 c.y
Emb. = 71 "

583 + 00
C = 37
F = 70
17.53
15.7
Exc. = 48 c.y
Emb. = 140 "

582 + 50
C = 70
F = 61
17.25
14.0
Exc. = 32 c.y
Emb. = 148 "

582 + 00
C = 14
F = 79
16.92
14.4
Exc. = 21 c.y
Emb. = 167 "

581 + 50
C = 9
F = 101
16.69
13.7
Exc. = 13 c.y
Emb. = 185 "

581 + 00
C = 5
F = 99
16.55
13.6
Exc. = 7 c.y
Emb. = 190 "

589 + 00
C = 17
F = 38
16.85
15.5
Exc. = 23 c.y
Emb. = 70 "

588 + 50
C = 13
F = 34
16.66
14.7
Exc. = 26 c.y
Emb. = 78 "

588 + 00
C = 15
F = 46
16.54
15.2
Exc. = 31 c.y
Emb. = 81 "

587 + 50
C = 18
F = 41
16.50
15.1
Exc. = 30 c.y
Emb. = 88 "

587 + 00
C = 14
F = 54
16.50
14.8
Exc. = 26 c.y
Emb. = 100 "

586 + 50
C = 14
F = 54
16.50
14.9
Exc. = 31 c.y
Emb. = 102 "

586 + 00
C = 17
F = 56
16.55
14.1
Exc. = 28 c.y
Emb. = 123 "

585 + 50
C = 11
F = 77
16.69
14.6
Exc. = 19 c.y
Emb. = 158 "

585 + 00
C = 10
F = 94
16.92
14.3
Exc. = 19 c.y
Emb. = 187 "

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

24460

4368.20

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	F.A.P. 3E	1986	21	30

	BY	DATE
SURVEYED	B.B.M. & J.L.P.	12-85
PLOTTED	J.L.P. & B.M.H.	1-86
TEMPLATE	" "	"
AREAS	M.S. & J.L.	"
AREAS CHECKED	J.L.P. & H.I.	"

FINAL SURVEY — NOTE BOOK No. 374-375

ORIGINAL SURVEY — NOTE BOOK No.

18.2	19.36		C= 20 F= 40	594 + 00
Exc. = 36 c.y				
Emb. = 74 "				
17.7	19.25		C= 19 F= 40	593 + 50
Exc. = 38 c.y				
Emb. = 71 "				
17.7	19.11		C= 44 F= 37	593 + 00
Exc. = 41 c.y				
Emb. = 69 "				
18.0	18.93		C= 40 F= 38	592 + 50
Exc. = 40 c.y				
Emb. = 71 "				
17.3	18.69		C= 41 F= 39	592 + 00
Exc. = 40 c.y				
Emb. = 72 "				
16.7	18.40		C= 44 F= 39	591 + 50
Exc. = 42 c.y				
Emb. = 65 "				
16.5	18.08		C= 43 F= 31	591 + 00
Exc. = 39 c.y				
Emb. = 60 "				
16.4	17.76		C= 19 F= 34	590 + 50
Exc. = 36 c.y				
Emb. = 60 "				
16.5	17.45		C= 40 F= 31	590 + 00
Exc. = 34 c.y				
Emb. = 61 "				
15.5	17.13		C= 17 F= 35	589 + 50
Exc. = 27 c.y				
Emb. = 68 "				

20.4	20.35		C= 77 F= 74	598 + 50
Exc. = 136 c.y				
Emb. = 45 "				
19.2	20.24		C= 70 F= 45	598 + 00
Exc. = 109 c.y				
Emb. = 46 "				
19.0	20.13		C= 48 F= 35	597 + 50
Exc. = 80 c.y				
Emb. = 52 "				
19.1	20.02		C= 39 F= 31	597 + 00
Exc. = 72 c.y				
Emb. = 54 "				
19.2	19.91		C= 39 F= 31	596 + 50
Exc. = 66 c.y				
Emb. = 53 "				
18.4	19.80		C= 34 F= 30	596 + 00
Exc. = 56 c.y				
Emb. = 57 "				
18.3	19.69		C= 28 F= 32	595 + 50
Exc. = 53 c.y				
Emb. = 60 "				
18.2	19.58		C= 29 F= 33	595 + 00
Exc. = 45 c.y				
Emb. = 67 "				
18.4	19.47		C= 20 F= 34	594 + 50
Exc. = 37 c.y				
Emb. = 73 "				

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

4368.21

3-5
21/24/36

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	F.A.P. 3E	1936	22	30

FINAL SURVEY		BY	DATE
SURVEYED		B.B.M. & J.L.P	11-35
PLOTTED		J.L.P. B.B.M. & J.L.	" "
TEMPLATE		" "	" "
AREAS		M.S.P. & J.L.	" "
NOTE BOOK	3744-395	J.L.P. & J.L.	" "
AREAS CHECKED			
NO.			

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

19.9 22.06 C=15 F=39
603+00
Exc. = 32 c.y.
Emb. = 69 "

20.2 21.86 C=20 F=36
602+50
Exc. = 41 c.y.
Emb. = 63 "

20.1 21.66 C=24 F=34
602+00
Exc. = 57 c.y.
Emb. = 57 "

20.1 21.46 C=37 F=29
601+50
Exc. = 79 c.y.
Emb. = 51 "

20.7 21.26 C=48 F=26
601+00
Exc. = 92 c.y.
Emb. = 47 "

20.1 21.06 C=51 F=45
600+50
Exc. = 97 c.y.
Emb. = 45 "

20.1 20.86 C=54 F=24
600+00
Exc. = 91 c.y.
Emb. = 46 "

19.0 20.66 C=44 F=26
599+50
Exc. = 91 c.y.
Emb. = 47 "

20.5 20.46 C=54 F=25
599+00
Exc. = 121 c.y.
Emb. = 45 "

22.2 23.86 C=35 F=37
607+50
Exc. = 73 c.y.
Emb. = 49 "

22.2 23.66 C=44 F=26
607+00
Exc. = 72 c.y.
Emb. = 50 "

22.5 23.46 C=34 F=28
606+50
Exc. = 59 c.y.
Emb. = 47 "

21.3 23.26 C=30 F=23
606+00
Exc. = 36 c.y.
Emb. = 65 "

21.7 23.06 C=19 F=17
605+50
Exc. = 39 c.y.
Emb. = 66 "

22.0 22.86 C=33 F=24
605+00
Exc. = 61 c.y.
Emb. = 48 "

21.5 22.66 C=43 F=28
604+50
Exc. = 67 c.y.
Emb. = 54 "

21.2 22.46 C=29 F=30
604+00
Exc. = 38 c.y.
Emb. = 61 "

20.5 22.26 C=17 F=36
603+50
Exc. = 25 c.y.
Emb. = 69 "

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

4368.22

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw.	FAP. 3E	1996	23	30

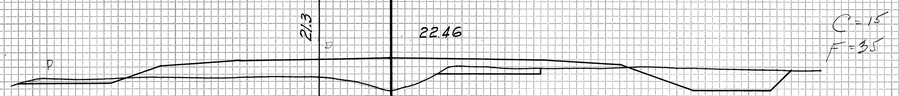
FINAL SURVEY — ORIGINAL SURVEY

	DATE	BY
SURVEYED	12-26	B.B.M. & J.I.P.
PLOTTED	1-26	J.I.P. & B.B.M.
TEMPLATE	"	M.S. & J.I.
AREAS CHECKED	"	J.I.P. & H.I.

NOTE BOOK: 314-375
NO.

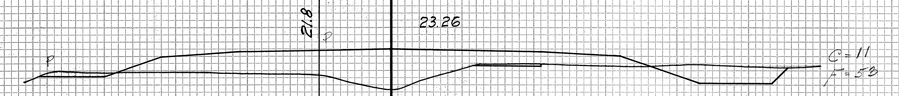
STA. 611 + 50

Exc. = 24 c.y.
Emb. = 82 "



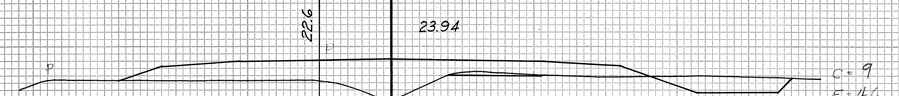
STA. 611 + 00

Exc. = 18 c.y.
Emb. = 92 "



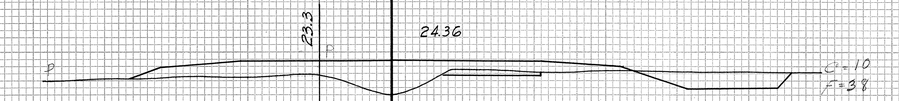
STA. 610 + 50

Exc. = 18 c.y.
Emb. = 78 "



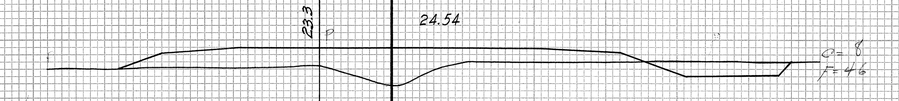
STA. 610 + 00

Exc. = 17 c.y.
Emb. = 78 "



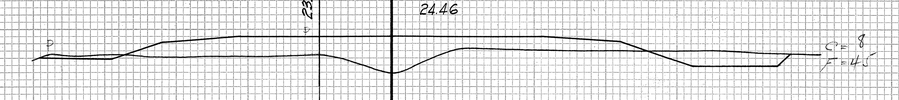
STA. 609 + 50

Exc. = 15 c.y.
Emb. = 84 "



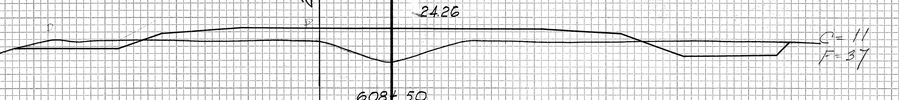
STA. 609 + 00

Exc. = 18 c.y.
Emb. = 76 "



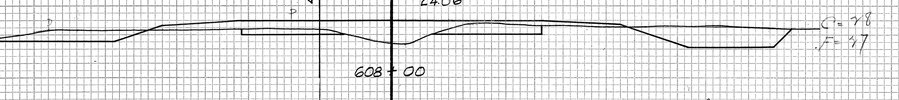
STA. 608 + 50

Exc. = 36 c.y.
Emb. = 59 "



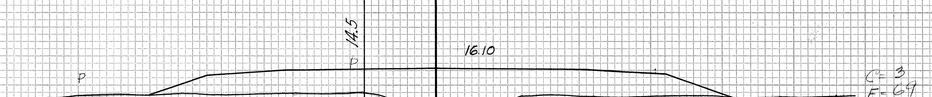
STA. 608 + 00

Exc. = 58 c.y.
Emb. = 50 "



STA. 615 + 50

Exc. = 19 c.y.
Emb. = 106 "

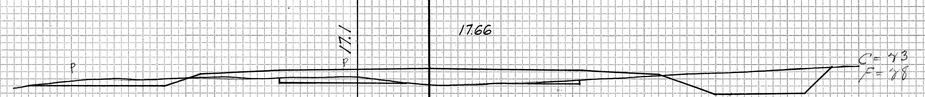


STA. 615 + 00

Exc. = 38 c.y.
Emb. = 68 "

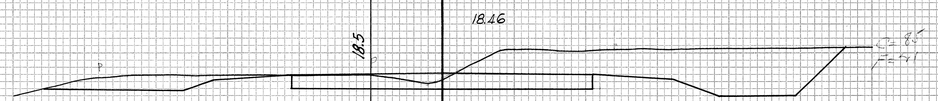
STA. 614 + 50

Exc. = 100 c.y.
Emb. = 45 "



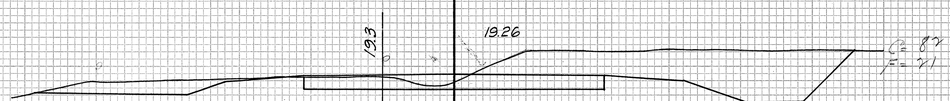
STA. 614 + 00

Exc. = 155 c.y.
Emb. = 39 "



STA. 613 + 50

Exc. = 151 c.y.
Emb. = 39 "



STA. 613 + 00

Exc. = 108 c.y.
Emb. = 44 "

STA. 612 + 50

Exc. = 44 c.y.
Emb. = 65 "

STA. 612 + 00

Exc. = 25 c.y.
Emb. = 72 "

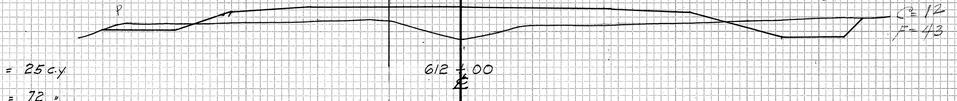


PLATE 3 — CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

4368.23

2-26-96

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	F.A.P. 3F	1936	24	30

FINAL SURVEY	
SURVEYED	B.B.M. & J.L.P.
PLOTTED	J.L.P. & H.I.
NOTE BOOK	B.B.M. & H.I.
TEMPLATE	
AREAS	M.S. & J.L.
NO. 314-315	J.L.P. & H.I.
AREAS CHECKED	
DATE	12-36
BY	1" = 35'
	"
	"

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

12.1 — 14.15 — C=7 F=64

Exc. = 21 c.y.
Emb. = 138 "

618 + 00

12.7 — 14.22 — C=15 F=67

Exc. = 27 c.y.
Emb. = 107 "

618 + 50

13.1 — 14.29 — C=14 F=48

Exc. = 25 c.y.
Emb. = 91 "

618 + 00

13.4 — 14.36 — C=13 F=50

Exc. = 21 c.y.
Emb. = 89 "

617 + 50

13.6 — 14.52 — C=10 F=46

Exc. = 16 c.y.
Emb. = 96 "

617 + 00

13.6 — 14.86 — C=7 F=58

Exc. = 13 c.y.
Emb. = 113 "

616 + 50

14.0 — 15.39 — C=7 F=64

Exc. = 9 c.y.
Emb. = 123 "

616 + 00

11.8 — 13.80 ~~13.69~~ — C=6 F=98

Exc. = 7 c.y.
Emb. = 170 "

622 + 50

11.6 — 13.80 ~~13.72~~ — C=4 F=96

Exc. = 2 c.y.
Emb. = 183 "

622 + 00

11.5 — 13.80 ~~13.79~~ — C=0 F=104

Exc. = 0 c.y.
Emb. = 206 "

621 + 50

11.3 — 13.86 — C=0 F=120

Exc. = 0 c.y.
Emb. = 218 "

621 + 00

11.4 — 13.93 — C=0 F=115

Exc. = 1 c.y.
Emb. = 203 "

620 + 50

11.5 — 14.01 — C=1 F=104

Exc. = 4 c.y.
Emb. = 180 "

620 + 00

11.9 — 14.07 — C=3 F=91

Exc. = 9 c.y.
Emb. = 160 "

619 + 50

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

24466

4368.24

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw.	F.A.P. 3E	1936	25	30

FINAL SURVEY — SURVEYED — PLOTTED — TRACED — NOTE BOOK — AREAS — NO. 34-375 — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — SURVEYED B.B.M. & J.L.P. — PLOTTED J.L.P. & H.I. — TRACED B.M. & J.L. — NOTE BOOK M.S. & H.I. — AREAS J.L.P. — AREAS CHECKED — BY — DATE 12-26 — 1" = 36' — " — "

12.3 — 1380 ~~14.02~~ — C=15 F=8

Exc. = 24 c.y
Emb. = 159 "

625+50

12.2 — 1380 ~~13.71~~ — C=11 F=17

Exc. = 21 c.y
Emb. = 153 "

625+00

11.9 — 1380 ~~13.56~~ — C=12 F=14

Exc. = 19 c.y
Emb. = 144 "

624+50

11.7 — 1380 ~~13.48~~ — C=7 F=17

Exc. = 13 c.y
Emb. = 143 "

624+00

11.8 — 1380 ~~13.50~~ — C=6 F=17

Exc. = 11 c.y
Emb. = 145 "

623+50

11.6 — 1380 ~~13.58~~ — C=6 F=18

Exc. = 11 c.y
Emb. = 156 "

623+00

NOTE: Grades from Sta 621+40 to 633+50 revised Sept 17 1936
New Quantities due to this change are to be computed by the Res. Engr.

12.3 — 13.55 ~~13.74~~ ~~13.61~~ — C=33 77.0 F=24

Exc. = 41 c.y
Emb. = 63 "

628+00

12.8 — 13.74 ~~1380~~ ~~13.90~~ — C=7 9.0 F=14 33.0

Exc. = 13 c.y
Emb. = 85 "

627+50

13.1 — 1380 ✓ ~~14.10~~ — C=8 9.0 F=14 30.0

Exc. = 13 c.y
Emb. = 70 "

627+00

12.8 — 1380 ~~14.33~~ — C=11 36.0 F=46 43.0

626+50

Exception - Sta 626+21 to 626+50
BRIDGE

13.1 — 1380 ~~14.16~~ — C=11 69.0 F=14 46.0

Exc. = 33 c.y
Emb. = 89 "

626+21

13.2 — 1380 ~~14.33~~ — C=8 41.0 F=33 45.0

626+00

Exc. = 49 c.y
Emb. = 109 "

℄

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

24465

4368.25

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	FAP 3E	1986	26	30

FINAL SURVEY
SURVEYED: B.B.M. & J.L.P. 12-3-3
PLOTTED: J.L.P. & M.S. 1-3-86
NOTE BOOK: TEMPLATE: " "
NO. 374-375 AREAS CHECKED: J.L.P. J.L. H.1

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

9.53 ~~6.76~~ ✓
7.2
C= ~~7.5~~ 8.0
F= ~~4.5~~ 65.0
631 + 50
Exc.= 41 c.y.
Emb.= 71 "

10.09 ~~9.07~~
7.7
C= ~~7.4~~ 10.0
F= ~~3.5~~ 65.0
631 + 00
Exc.= 44 c.y.
Emb.= 62 "

10.79 ~~9.51~~ ✓
8.3
C= ~~7.8~~ 8.0
F= ~~3.5~~ 88.0
630 + 50
Exc.= 32 c.y.
Emb.= 63 "

11.53 ~~10.08~~ ✓
8.8
C= ~~7.9~~ 4.0
F= ~~3.3~~ 81.0
630 + 00
Exc.= 27 c.y.
Emb.= 67 "

12.23 ~~10.71~~ ✓
9.6
C= ~~7.7~~ 6.0
F= ~~3.8~~ 87.0
629 + 50
Exc.= 22 c.y.
Emb.= 71 "

12.79 ~~11.16~~ ✓
10.5
C= ~~7.7~~ 9.0
F= ~~3.7~~ 75.0
629 + 00
Exc.= 22 c.y.
Emb.= 65 "

13.23 ~~12.37~~ ✓
11.4
C= ~~7.7~~ 9.0
F= ~~3.6~~ 59.0
628 + 50
Exc.= 42 c.y.
Emb.= 52 "

8.50
5.8
C= ~~5.5~~ 0.0
F= ~~7.7~~ 125.0
634 + 50
Exc.= 8 c.y.
Emb.= 204 "

8.51 ✓
6.0
C= ~~6.5~~ 7.0
F= ~~7.5~~ 117.0
634 + 00
Exc.= 13 c.y.
Emb.= 188 "

8.51 ✓
6.1
C= ~~6.5~~ 8.0
F= 98.0
633 + 50
Exc.= 13 c.y.
Emb.= 174 "

~~8.58~~ ~~8.57~~ ✓
6.3
C= ~~6.5~~ 5.0
F= ~~4.0~~ 85.0
633 + 00
Exc.= 16 c.y.
Emb.= 148 "

~~8.79~~ ~~8.57~~ ✓
6.4
C= ~~7.0~~ 10.0
F= ~~7.9~~ 71.0
632 + 50
Exc.= 24 c.y.
Emb.= 116 "

~~9.09~~ ~~8.57~~ ✓
6.8
C= ~~7.7~~ 14.0
F= ~~5.5~~ 63.0
632 + 00
Exc.= 28 c.y.
Emb.= 93 "

℄

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

4368.26

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	F.A.P. 38	1936	27	30

ORIGINAL SURVEY	BY	DATE
SURVEYED	B.B.M. & J.L.P.	12-35
PLOTTED	J.L.P. & H.I.	1-36
REVISED	B.B.M.	"
NOTE BOOK	M.S.P. & J.L.P.	J.L. & H.I.
AREAS CHECKED		

NO. 394 315

8.50

4.8

P

638 + 00

Exc. = 17 c.y.

Emb. = 313 "

C = 18

F = 146

8.50

5.1

P

637 + 50

Exc. = 0 c.y.

Emb. = 326 "

C = 0

F = 177 177.0

8.50

5.1

P

637 + 00

Exc. = 0 c.y.

Emb. = 294 "

C = 0

F = 162 167.0

8.50

5.2

P

636 + 50

Exc. = 0 c.y.

Emb. = 293 "

C = 0

F = 154 165.0

8.50

5.2

P

636 + 00

Exc. = 0 c.y.

Emb. = 290 "

C = 0

F = 154 167.0

8.50

5.3

P

635 + 50

Exc. = 0 c.y.

Emb. = 273 "

C = 0

F = 144 151.0

8.50

5.6

P

635 + 00

Exc. = 3 c.y.

Emb. = 236 "

C = 0

F = 140 148.0

8.49

4.4

P

641 + 00

Exc. = 23 c.y.

Emb. = 332 "

C = 15

F = 180

8.49

4.4

P

641 + 50

Exc. = 18 c.y.

Emb. = 334 "

C = 10

F = 179

8.49

4.5

P

641 + 00

Exc. = 16 c.y.

Emb. = 324 "

C = 9

F = 182

8.49

4.6

P

639 + 50

Exc. = 17 c.y.

Emb. = 319 "

C = 8

F = 164

8.50

4.7

P

639 + 00

Exc. = 16 c.y.

Emb. = 328 "

C = 10

F = 176

8.50

4.7

P

638 + 50

Exc. = 23 c.y.

Emb. = 300 "

C = 7

F = 178

PLATE 3—CROSS SECTION D. P. R. & R. E. STANDARD

KEUFFEL & ESSER CO., NEW YORK.

24490

4368.27

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	FAP 3E	1936	28	30

		BY	DATE
FINAL SURVEY	SURVEYED	B.B.M. & J.L.P.	12-34
	PLOTTED	J.L.P. & H.I.	1-35
	TEMPLATE	B.B.M.	"
	NOTE BOOK	M.S.	J.L
	NO. 314-315	J.L.P.	H.I
	AREAS		"
	AREAS CHECKED		"

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

848

Exc. = 37 c.y.
Emb. = 303 "

27

644 + 50

C = 40
F = 155

849

Exc. = 23 c.y.
Emb. = 348 "

41

644 + 00

C = 15
F = 174

849

Exc. = 20 c.y.
Emb. = 357 "

27

643 + 43.7

C = 10
F = 194

849

Exc. = 19 c.y.
Emb. = 363 "

24

643 + 00

C = 14
F = 194

849

Exc. = 15 c.y.
Emb. = 371 "

47

642 + 50

C = 8
F = 200

849

Exc. = 7 c.y.
Emb. = 368 "

48

642 + 00

C = 8
F = 201

849

Exc. = 14 c.y.
Emb. = 348 "

44

641 + 50

C = 0
F = 196

Exc. = 7 c.y.
Emb. = 123 "

11.1

1298 ✓

648 + 00

C = 4
F = 65

Exc. = 12 c.y.
Emb. = 113 "

9.6

11.48 ✓

647 + 50

C = 4
F = 68

Exc. = 15 c.y.
Emb. = 83 "

8.6

10.17 ✓

647 + 00

C = 9
F = 54

Exc. = 12 c.y.
Emb. = 61 "

8.2

9.23 ✓

646 + 50

C = 7
F = 37

Exc. = 18 c.y.
Emb. = 53 "

7.8

8.70

646 + 04

C = 6
F = 49

Exc. = 12 c.y.
Emb. = 78 "

7.8

8.48 ✓

645 + 50

C = 13
F = 71

Exc. = 23 c.y.
Emb. = 195 "

6.7

8.48

645 + 00

C = 0
F = 56

PLATE 3—CROSS SECTION O. P. R. & R.'E. STANDARD
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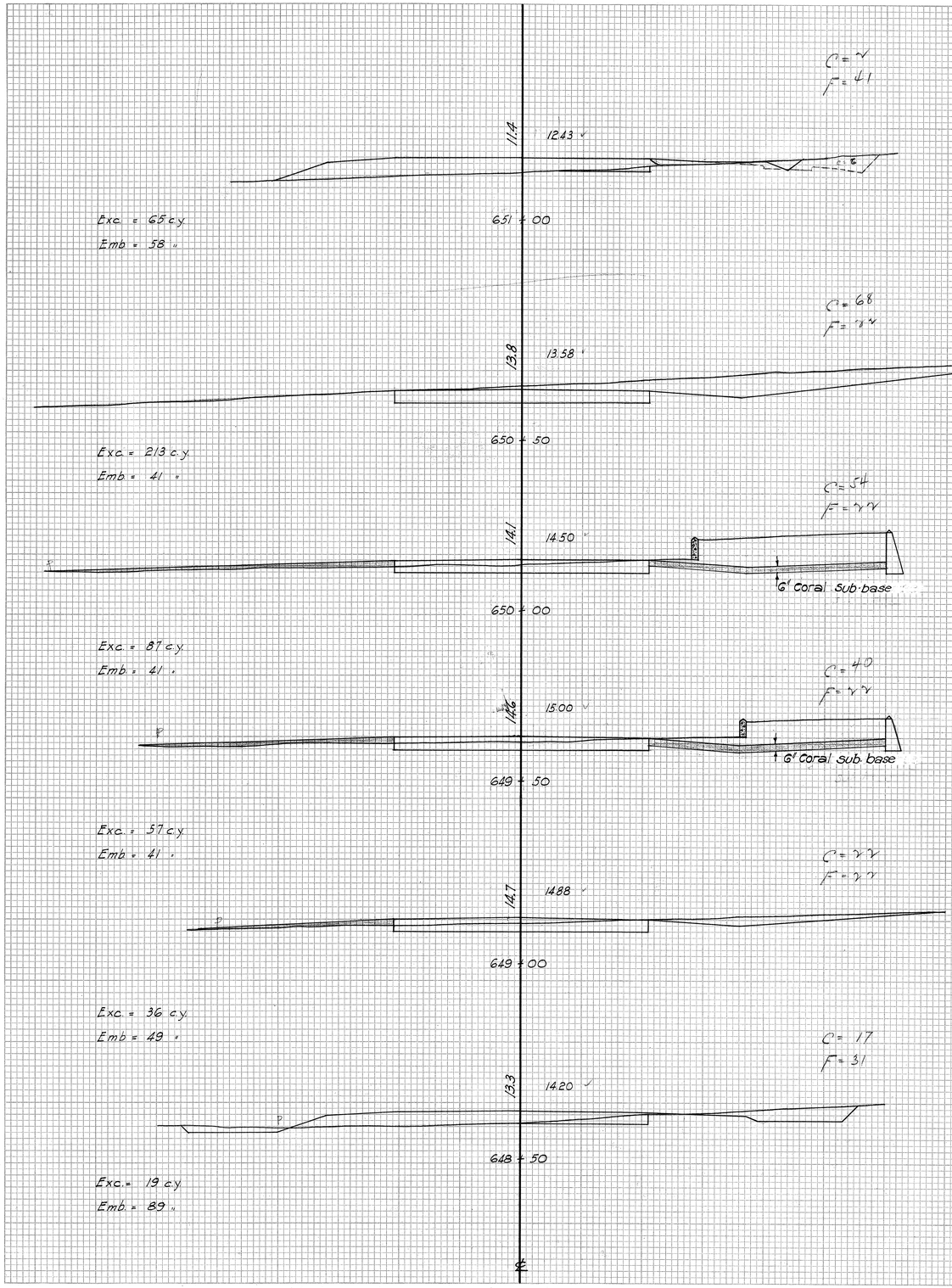
4368.28

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	F.A.P. 3E	1956	29	90

FINAL SURVEY — NOTE BOOK No. 574-315 — SURVEYED — PLOTTED — TRACED — CHECKED — AREAS — AREAS CHECKED

BY	DATE
B.B.M. – J.L.P.	
J.L.P. – H.I.	
B.B.M. – J.L.	
M.S. – H.I.	
J.L.P.	

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



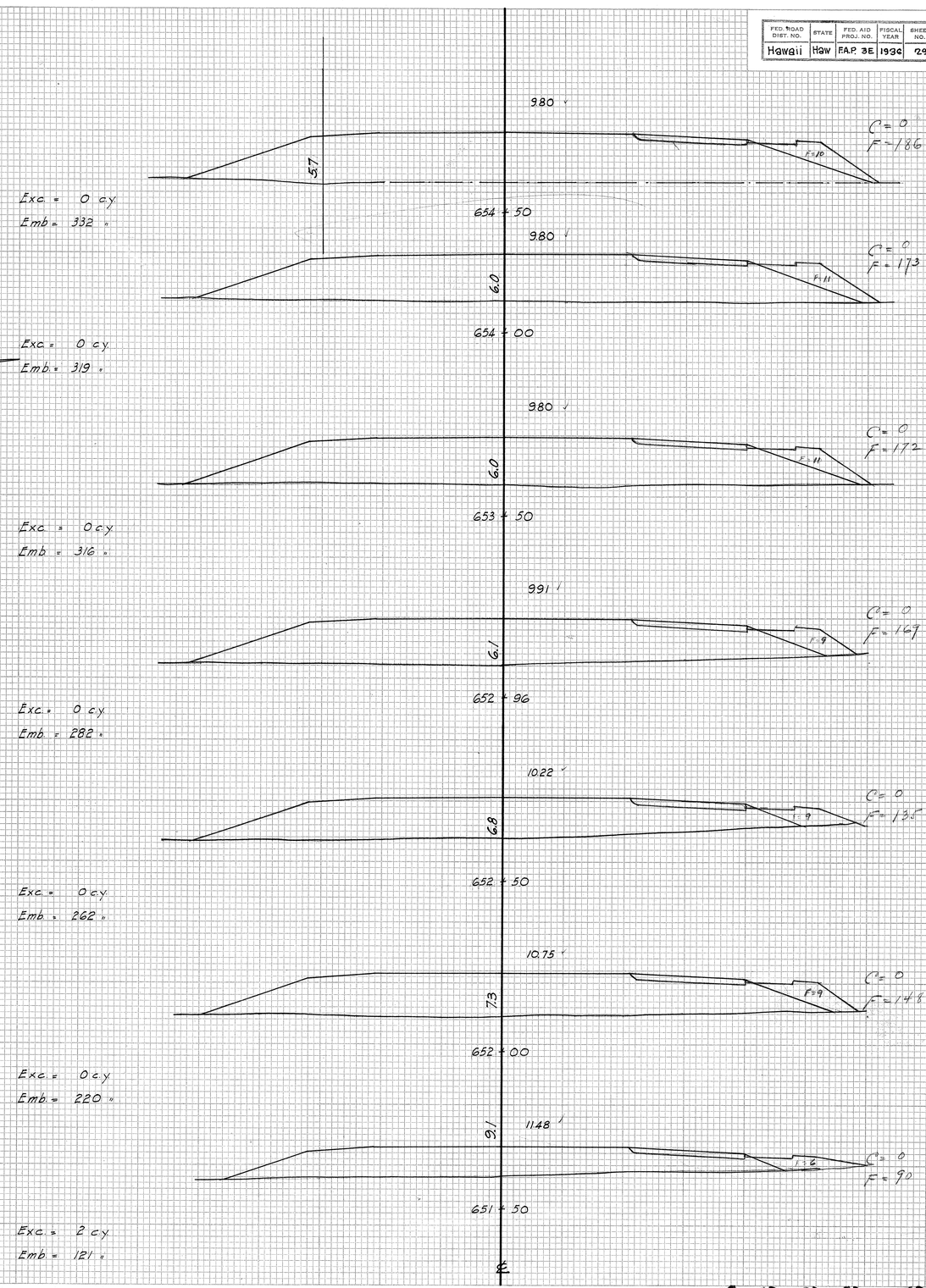


PLATE 3 – CROSS SECTION U. P. R. & R. E. STANDARD
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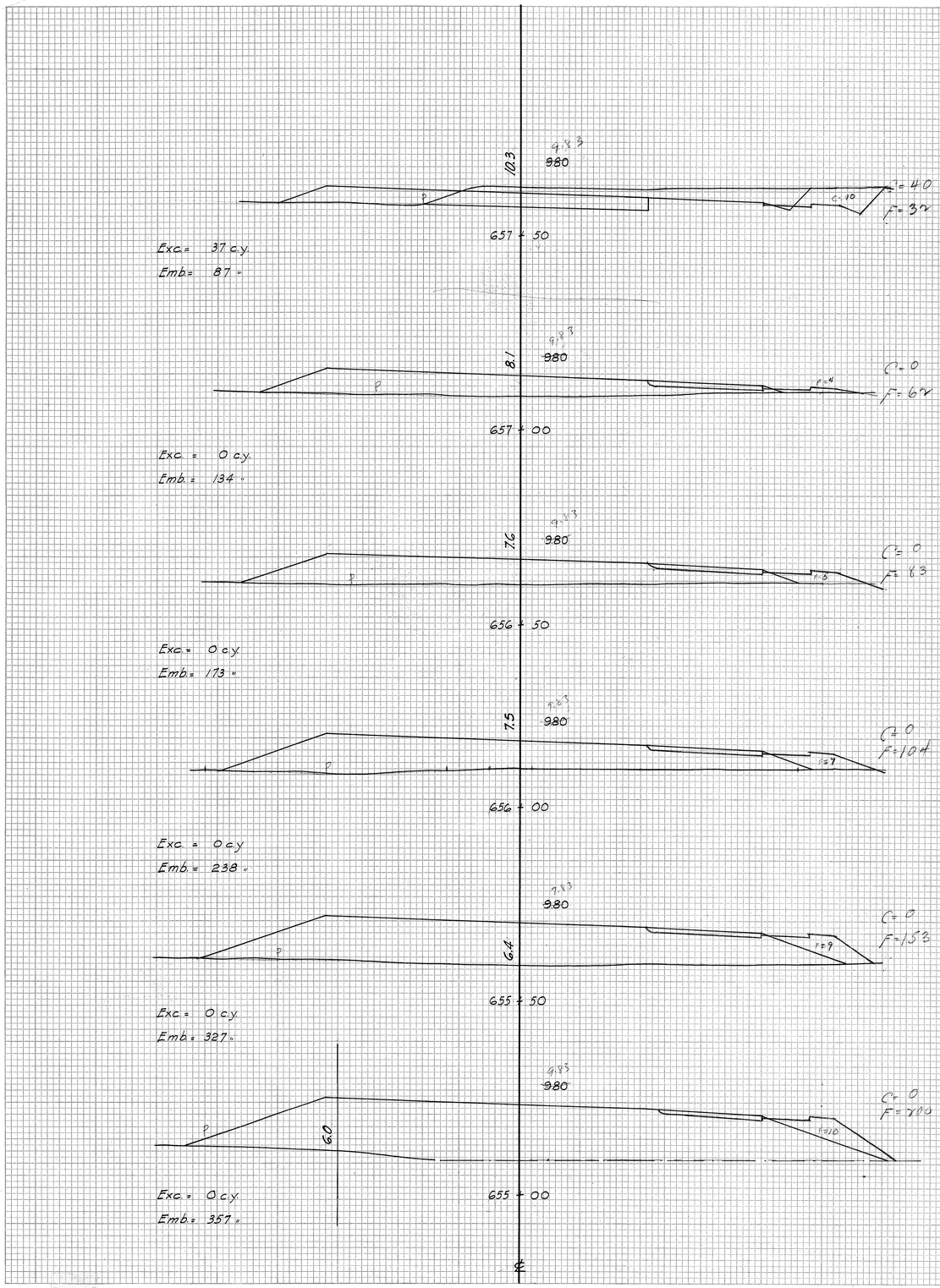
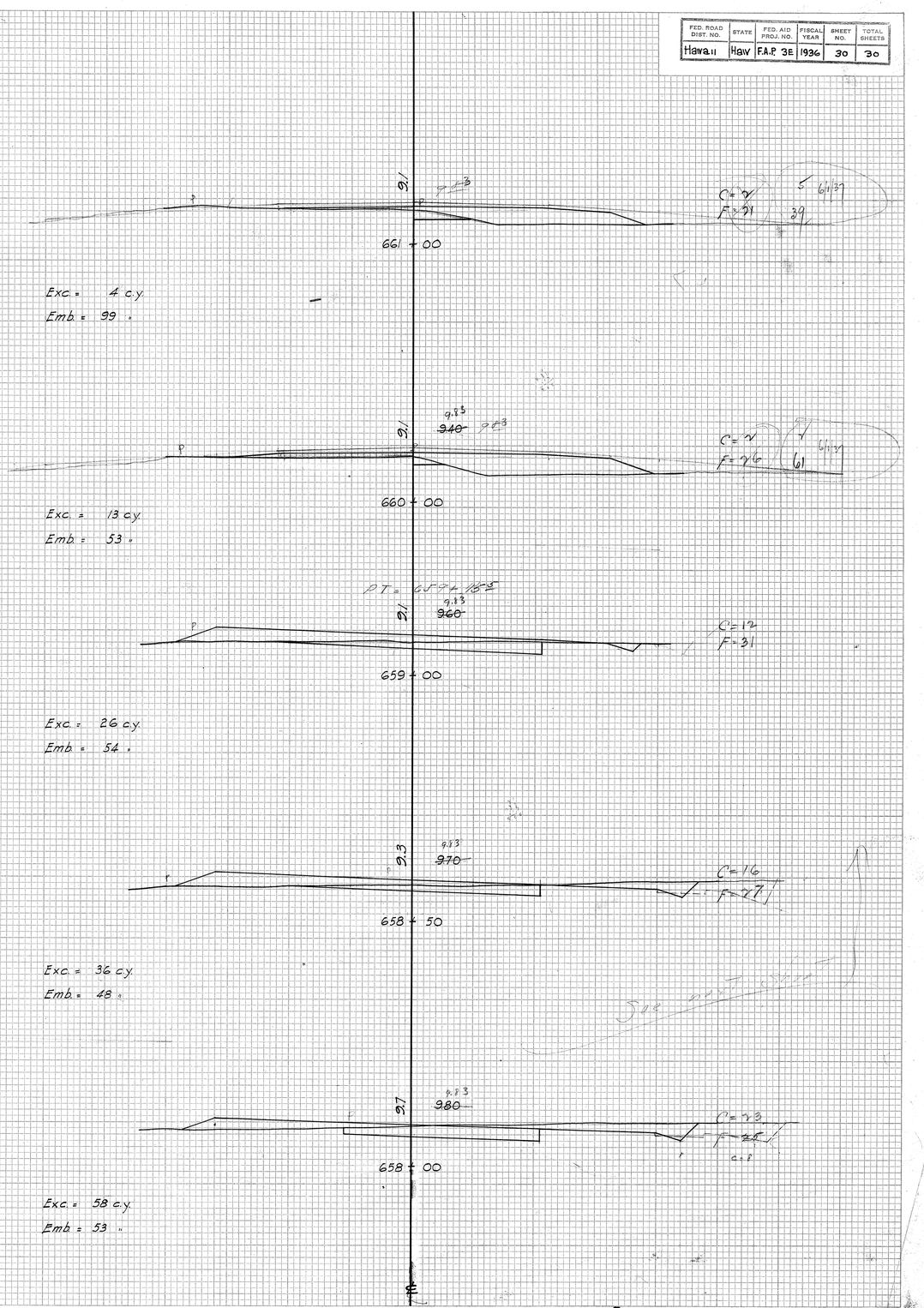
4368.29

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
Hawaii	Haw	F.A.P. 3E	1936	30	30

FINAL SURVEY — SURVEYED B.B.M. — PLOTTED J.L.P. 12-33 — TEMPLATE J.L.P. 1-36 — NOTE BOOK B.M. — AREAS M.S. " — NO. — AREAS CHECKED J.L.P. H.L. "

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





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4368.30