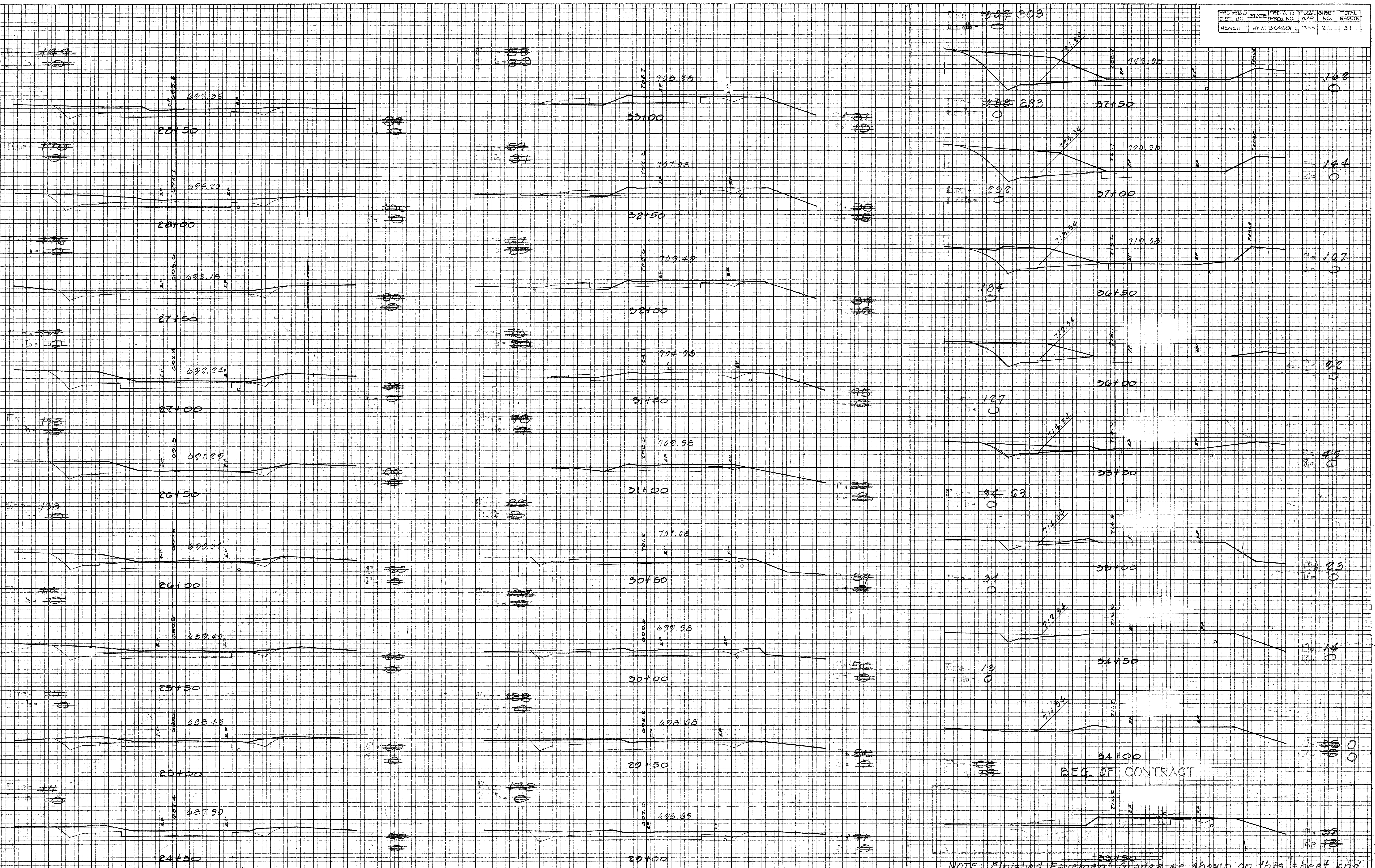
FED ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	21	31

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



28+50
695.35
28+00
694.00
27+50
693.18
27+00
692.24
26+50
691.29
26+00
690.34
25+50
689.40
25+00
688.45
24+50
687.50
33+00
708.58
32+50
707.08
32+00
705.49
31+50
704.08
31+00
702.58
30+50
701.08
30+00
699.58
29+50
698.08
29+00
696.65
303
37+50
722.08
721.54
283
37+00
720.58
720.04
238
36+50
719.08
718.54
184
36+00
717.04
127
35+50
715.54
63
35+00
714.04
34
34+50
712.54
13
34+00
711.04
BEG. OF CONTRACT
33+50
Fence
EP
168
144
107
90
45
23
14

NOTE: Finished Pavement Grades as shown on this sheet and Sta. 38+00 to 40+00 on sheet #22, are ultimate grades and shall not be used on this contract.

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3 MADE IN U. S. A. 24937

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0480U	1965	22	31

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED	D. Waki	2/62
NO.	TEMPLATE	P. Murakami	3/62
	AREAS	S. Sato	3/62
	AREAS CHECKED	D. Waki	4/62

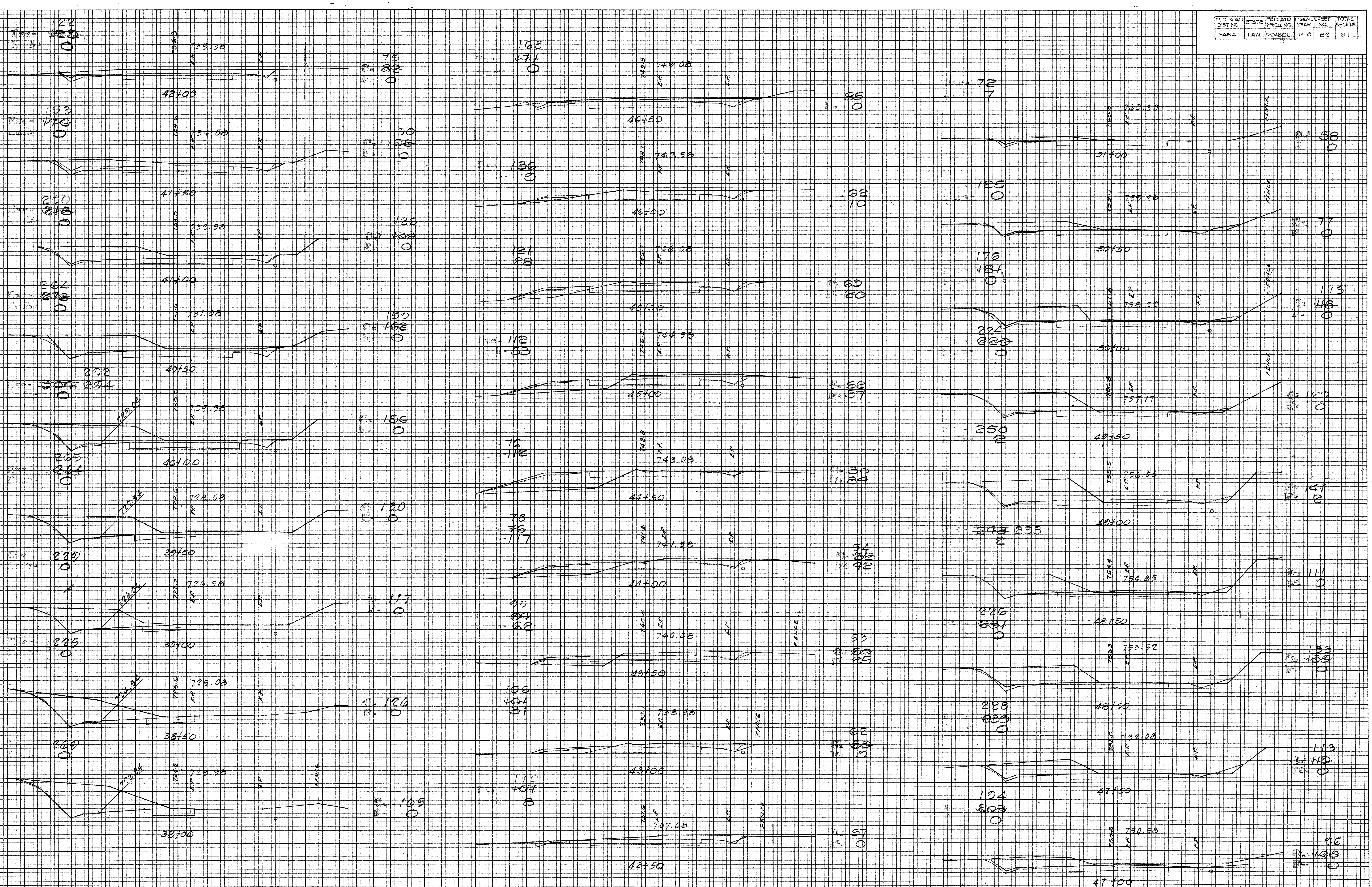
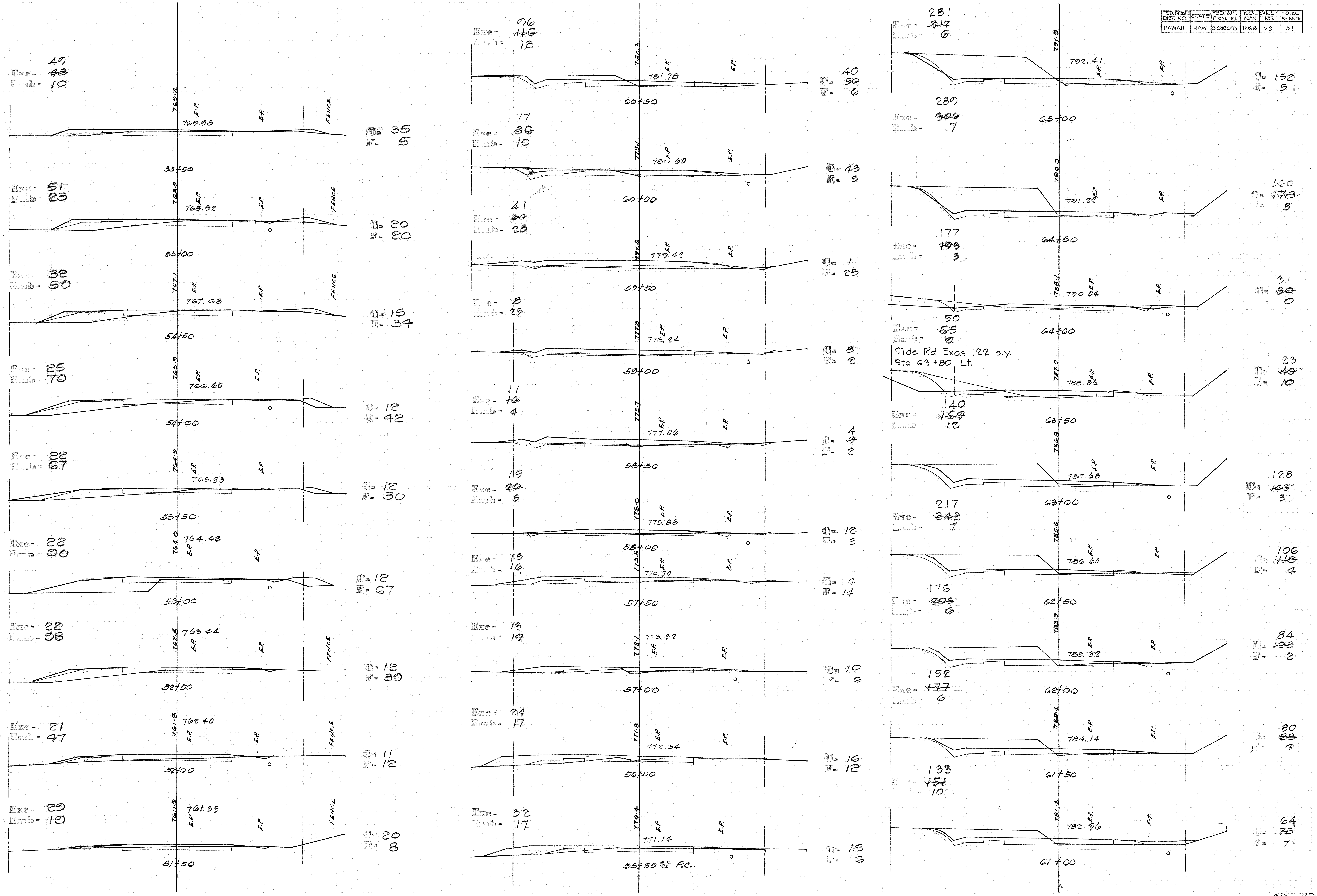

42+00
735.58
41+50
734.08
41+00
732.58
40+50
731.08
40+00
729.58
39+50
728.08
39+00
726.58
38+50
725.08
38+00
723.58
46+50
749.08
46+00
747.58
45+50
746.08
45+00
744.58
44+50
743.08
44+00
741.58
43+50
740.08
43+00
738.58
42+50
737.08
51+00
760.30
50+50
50+00
49+50
757.17
49+00
756.06
48+50
754.85
48+00
753.52
47+50
752.08
47+00
750.58
E.P.
FENCE

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

22

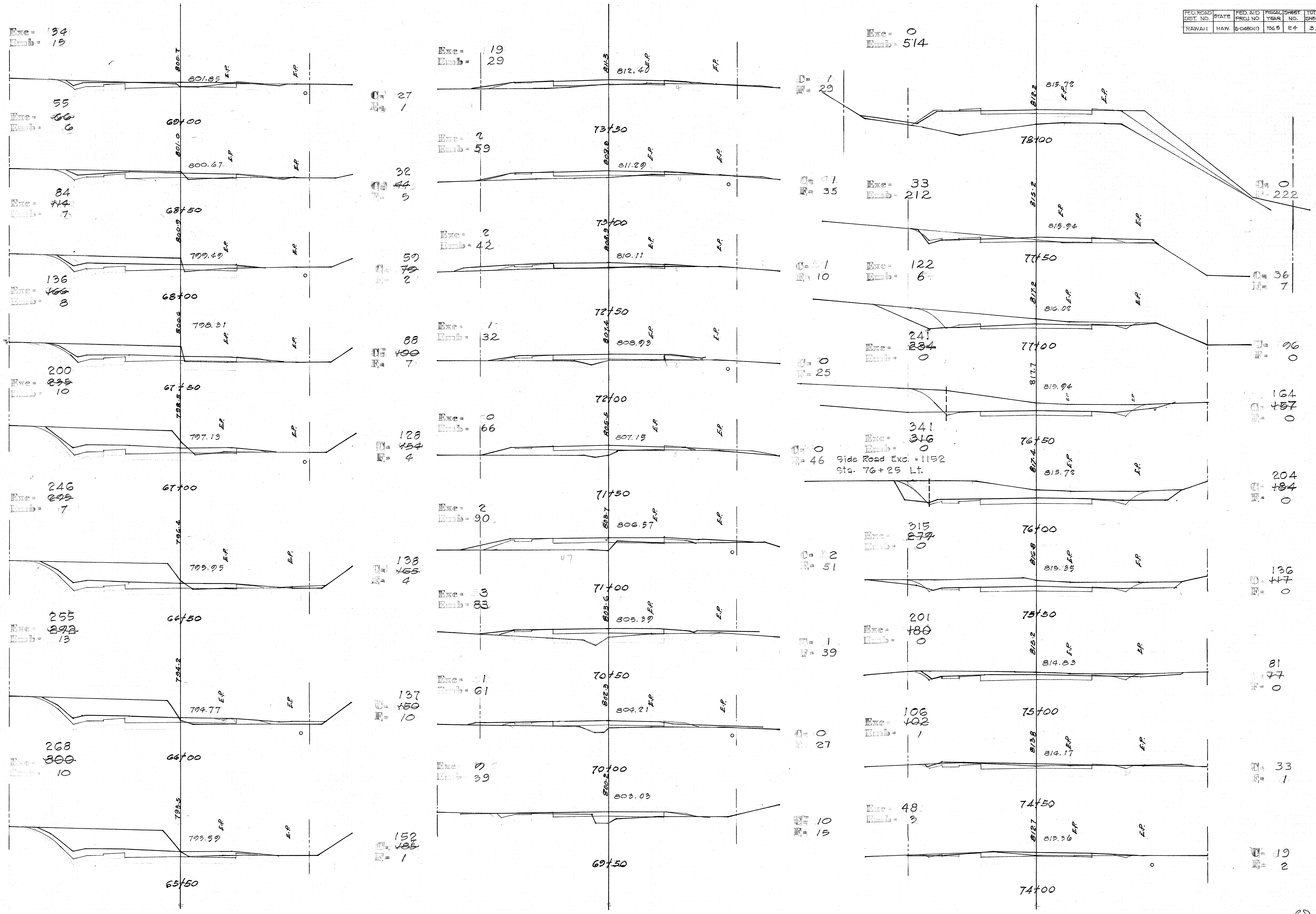
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	23	31



Exc = 47 ~~48~~
Emb = 10
769.4
E.P.
E.P.
FENCE
769.98
C= 35
F= 5
55+50
Exc = 51
Emb = 23
768.2
768.82
C= 20
F= 20
55+00
Exc = 32
Emb = 50
767.1
767.68
C= 15
F= 34
54+50
Exc = 25
Emb = 70
765.9
766.60
C= 12
F= 42
54+00
Exc = 22
Emb = 67
764.9
765.53
C= 12
F= 30
53+50
Exc = 22
Emb = 90
764.0
764.48
C= 12
F= 67
53+00
Exc = 22
Emb = 98
762.8
763.44
C= 12
F= 39
52+50
Exc = 21
Emb = 47
761.8
762.40
C= 11
F= 12
52+00
Exc = 29
Emb = 19
760.9
761.35
C= 20
F= 8
51+50
Exc = 96 ~~116~~
Emb = 12
780.3
781.78
C= 40 ~~50~~
F= 6
60+50
Exc = 77 ~~86~~
Emb = 10
779.1
780.60
C= 43
F= 5
60+00
Exc = 41 ~~40~~
Emb = 28
777.4
779.42
C= 1
F= 25
59+50
Exc = 8
Emb = 25
777.0
778.24
C= 8
F= 2
59+00
Exc = 71 ~~76~~
Emb = 4
775.7
777.06
C= 4 ~~9~~
F= 2
58+50
Exc = 15 ~~60~~
Emb = 5
775.0
775.88
C= 12
F= 3
58+00
Exc = 15
Emb = 16
773.5
774.70
C= 14
F= 14
57+50
Exc = 13
Emb = 19
772.1
773.52
C= 10
F= 6
57+00
Exc = 24
Emb = 17
771.3
772.34
C= 16
F= 12
56+50
Exc = 32
Emb = 17
770.4
771.14
C= 18
F= 6
55+99.61 P.C.
Exc = 281 ~~312~~
Emb = 6
791.9
792.41
C= 152
F= 5
65+00
Exc = 289 ~~306~~
Emb = 7
790.0
791.22
C= 160 ~~178~~
F= 3
64+50
Exc = 177 ~~193~~
Emb = 3
788.1
790.04
C= 31 ~~30~~
F= 0
64+00
Exc = 50 ~~65~~
Emb = ~~0~~
Side Rd Excs 122 c.y.
Sta 63+80 Lt.
787.0
788.86
C= 23 ~~40~~
F= 10
63+50
Exc = 140 ~~167~~
Emb = 12
786.8
787.68
C= 128 ~~143~~
F= 3
63+00
Exc = 217 ~~242~~
Emb = 7
785.6
786.60
C= 106 ~~118~~
F= 4
62+50
Exc = 176 ~~205~~
Emb = 6
783.9
785.32
C= 84 ~~103~~
F= 2
62+00
Exc = 152 ~~177~~
Emb = 6
782.4
784.14
C= 80 ~~88~~
F= 4
61+50
Exc = 133 ~~151~~
Emb = 10
781.3
782.96
C= 64 ~~75~~
F= 7
61+00

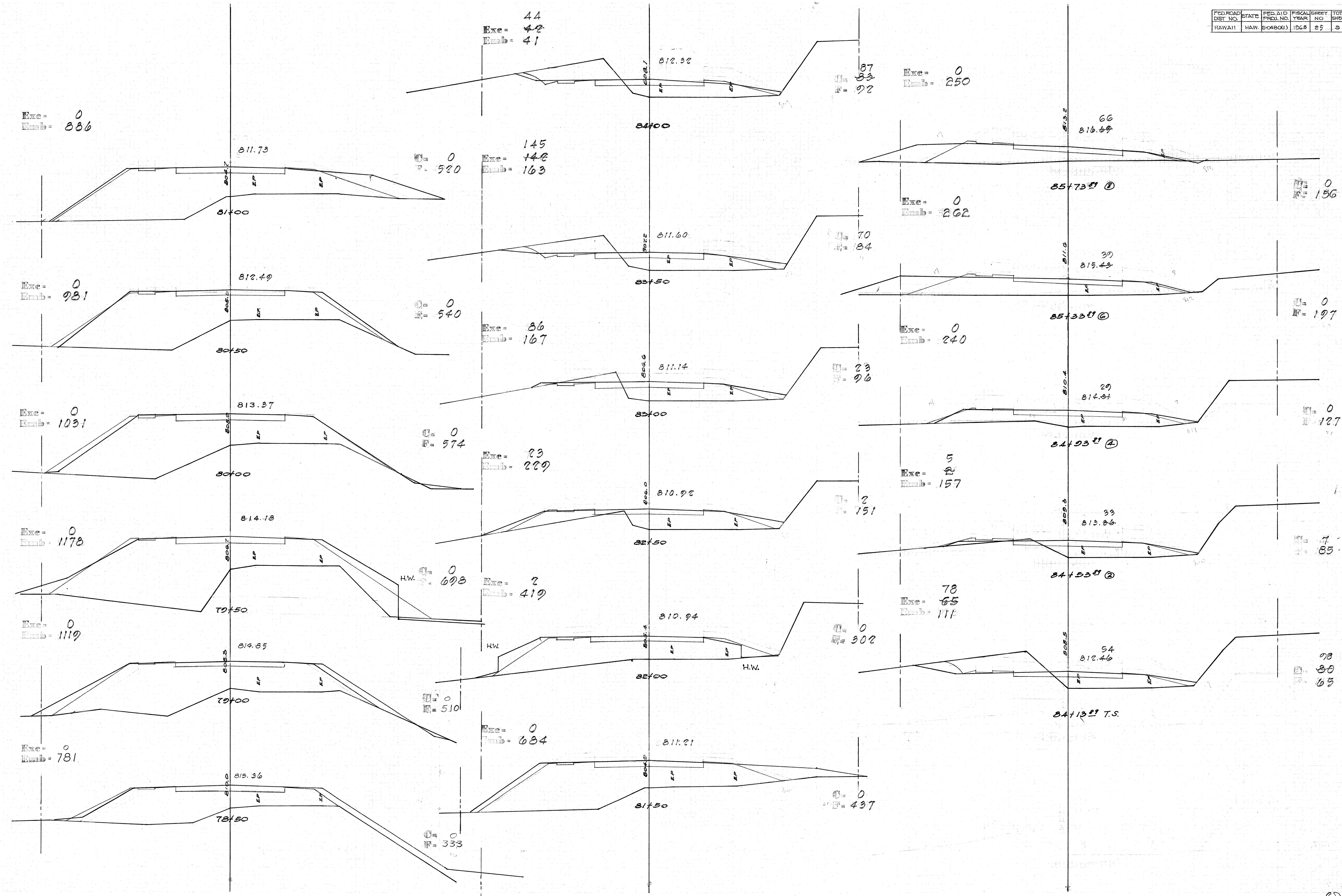
T. NITTA

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	24	31


Exc = 134
Emb = 15
800.7
801.85
E.P.
E.P.
C = 27
E = 1
69+00
Exc = 55 ~~66~~
Emb = 6
801.0
800.67
E.P.
E.P.
C = 32 ~~44~~
F = 5
68+50
Exc = 84 ~~114~~
Emb = 7
800.9
799.49
E.P.
E.P.
C = 59 ~~70~~
F = 2
68+00
Exc = 136 ~~166~~
Emb = 8
800.6
798.31
E.P.
E.P.
C = 88 ~~100~~
F = 7
67+50
Exc = 200 ~~235~~
Emb = 10
798.5
797.13
E.P.
E.P.
C = 128 ~~154~~
F = 4
67+00
Exc = 246 ~~295~~
Emb = 7
796.4
795.95
E.P.
E.P.
C = 138 ~~165~~
F = 4
66+50
Exc = 255 ~~292~~
Emb = 13
794.2
794.77
E.P.
E.P.
C = 137 ~~150~~
F = 10
66+00
Exc = 268 ~~300~~
Emb = 10
793.5
793.59
E.P.
E.P.
C = 152 ~~185~~
F = 1
65+50
Exc = 119
Emb = 29
811.3
812.40
E.P.
E.P.
C = 1
F = 29
73+50
Exc = 2
Emb = 59
809.8
811.29
E.P.
E.P.
C = 41
F = 35
73+00
Exc = 2
Emb = 42
808.9
810.11
E.P.
E.P.
C = 51
F = 10
72+50
Exc = 1
Emb = 32
807.4
808.93
E.P.
E.P.
C = 0
F = 25
72+00
Exc = 0
Emb = 66
805.5
807.15
E.P.
E.P.
C = 0
F = 46
71+50
Exc = 2
Emb = 90
803.7
806.57
E.P.
E.P.
47
C = 2
F = 51
71+00
Exc = 3
Emb = 83
803.6
805.39
E.P.
E.P.
C = 1
F = 39
70+50
Exc = 51
Emb = 61
802.3
804.21
E.P.
E.P.
C = 0
F = 27
70+00
Exc = 0
Emb = 39
800.2
803.03
C = 10
F = 15
69+50
Exc = 0
Emb = 514
812.2
815.72
E.P.
E.P.
78+00
C = 0
F = 222
Exc = 33
Emb = 212
815.2
815.94
E.P.
E.P.
77+50
C = 36
F = 7
Exc = 122
Emb = 6
817.2
816.02
E.P.
E.P.
77+00
C = 96
F = 0
Exc = 241 ~~234~~
Emb = 0
817.7
815.94
E.P.
E.P.
C = 164 ~~157~~
F = 0
76+50
Exc = 341 ~~316~~
Emb = 0
Side Road Exc. = 1152
Sta. 76+25 Lt.
817.4
815.72
E.P.
E.P.
C = 204 ~~184~~
F = 0
76+00
Exc = 315 ~~279~~
Emb = 0
816.8
815.35
E.P.
E.P.
C = 136 ~~117~~
F = 0
75+50
Exc = 201 ~~180~~
Emb = 0
815.2
814.83
E.P.
E.P.
C = 81 ~~77~~
F = 0
75+00
Exc = 106 ~~102~~
Emb = 1
813.8
814.17
E.P.
E.P.
C = 33
F = 1
74+50
Exc = 48
Emb = 3
812.7
813.36
E.P.
E.P.
C = 19
F = 2
74+00

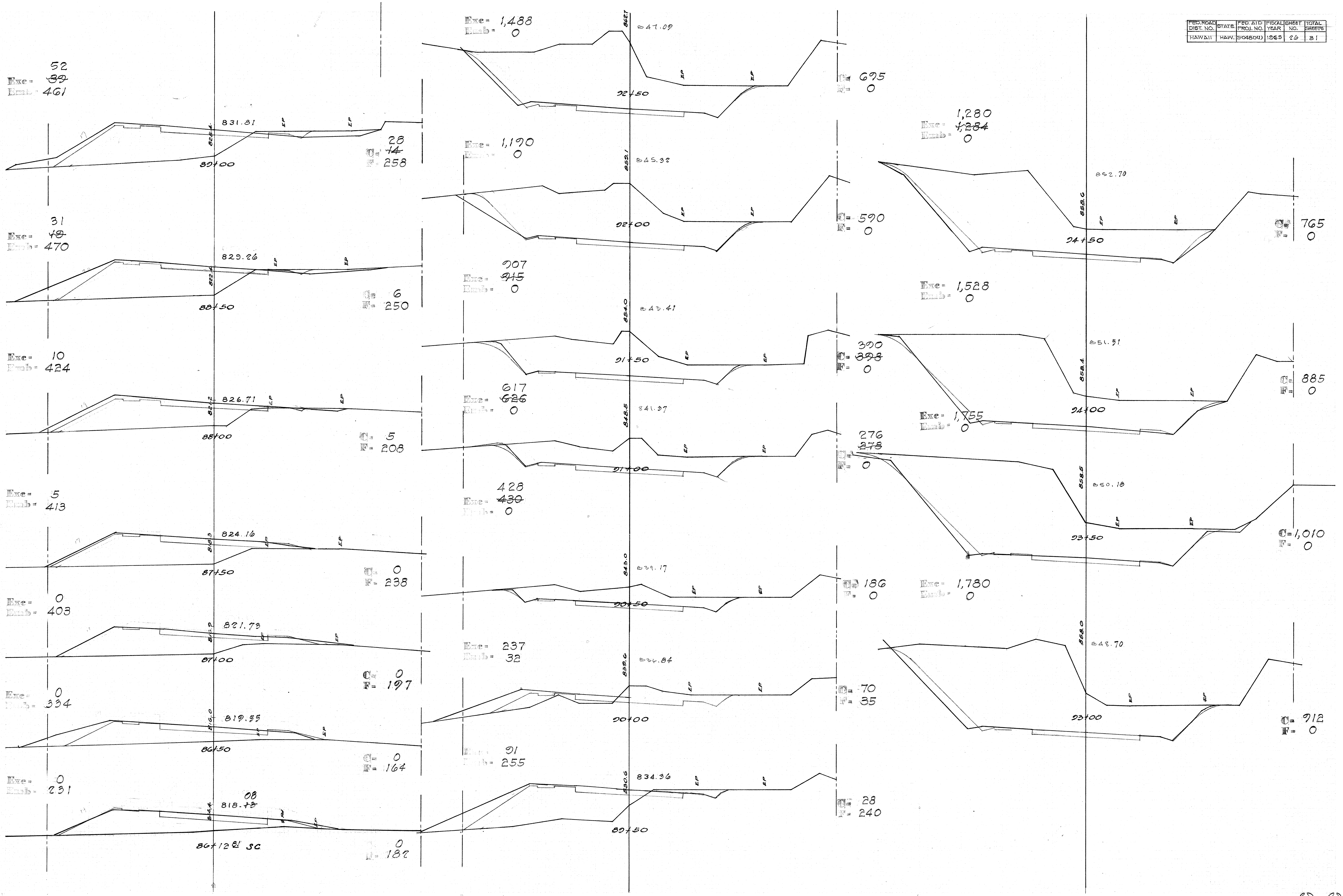
D Kaki 3/62 3/62 4/61
D Kaki

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	25	31



Exc = 0
Emb = 886
811.73
806.7
EP
EP
81+00
C = 0
F = 520
Exc = 0
Emb = 981
812.49
805.1
EP
EP
80+50
C = 0
F = 540
Exc = 0
Emb = 1031
813.37
805.0
EP
EP
80+00
C = 0
F = 574
Exc = 0
Emb = 1178
814.18
806.7
EP
EP
79+50
H.W.
C = 0
F = 698
Exc = 0
Emb = 1119
814.85
808.3
EP
EP
79+00
C = 0
F = 510
Exc = 0
Emb = 781
815.36
809.0
EP
EP
78+50
C = 0
F = 333
44
Exc = ~~42~~
Emb = 41
812.32
808.1
EP
EP
84+00
87
C = ~~83~~
F = 92
145
Exc = ~~142~~
Emb = 163
811.60
807.2
EP
EP
83+50
C = 70
F = 84
Exc = 86
Emb = 167
811.14
806.6
EP
EP
83+00
C = 23
F = 96
Exc = 23
Emb = 229
810.92
806.0
EP
EP
82+50
C = 2
F = 151
Exc = 2
Emb = 419
810.94
805.4
H.W.
EP
EP
H.W.
82+00
C = 0
F = 302
Exc = 0
Emb = 684
811.21
804.9
EP
EP
81+50
C = 0
F = 437
Exc = 0
Emb = 250
66
~~816.59~~
813.2
85+73.29 ⑧
C = 0
F = 156
Exc = 0
Emb = 262
39
~~815.43~~
811.6
EP
EP
85+33.29 ⑥
C = 0
F = 197
Exc = 0
Emb = 240
29
~~814.31~~
810.4
EP
EP
84+93.29 ④
C = 0
F = 127
5
Exc = ~~2~~
Emb = 157
33
~~813.36~~
809.3
EP
EP
84+53.29 ②
C = 7
F = 85
78
Exc = ~~65~~
Emb = 111
54
~~812.46~~
808.5
EP
EP
84+13.29 T.S.
78
C = ~~80~~
F = 65

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	26	31


Exc = 52 ~~39~~
Emb = 461
831.81
825.4
EP
EP
89+00
C = 28 ~~14~~
F = 258
Exc = 31 ~~19~~
Emb = 470
829.26
822.4
EP
EP
88+50
C = 6
F = 250
Exc = 10
Emb = 424
826.71
821.2
EP
EP
88+00
C = 5
F = 208
Exc = 5
Emb = 413
824.16
818.3
EP
EP
87+50
C = 0
F = 238
Exc = 0
Emb = 403
821.73
816.2
EP
EP
87+00
C = 0
F = 197
Exc = 0
Emb = 334
819.55
816.0
EP
EP
86+50
C = 0
F = 164
Exc = 0
Emb = 231
818.~~13~~ 08
814.4
EP
86+12.81 SC
C = 0
F = 182
Exc = 1,488
Emb = 0
862.7
847.09
EP
EP
92+50
C = 695
F = 0
Exc = 1,190
Emb = 0
859.1
845.32
EP
EP
92+00
C = 590
F = 0
Exc = 907 ~~915~~
Emb = 0
854.0
843.41
EP
EP
91+50
C = 390 ~~398~~
F = 0
Exc = 617 ~~626~~
Emb = 0
848.5
841.37
EP
EP
91+00
C = 276 ~~278~~
F = 0
Exc = 428 ~~430~~
Emb = 0
843.0
839.17
EP
EP
90+50
C = 186
F = 0
Exc = 237
Emb = 32
839.6
836.84
EP
EP
90+00
C = 70
F = 35
Exc = 91
Emb = 255
830.6
834.36
EP
EP
89+50
C = 28
F = 240
Exc = 1,280 ~~1,284~~
Emb = 0
852.70
858.6
EP
EP
94+50
C = 765
F = 0
Exc = 1,528
Emb = 0
851.51
858.4
EP
EP
94+00
C = 885
F = 0
Exc = 1,755
Emb = 0
850.18
858.5
EP
EP
93+50
C = 1,010
F = 0
Exc = 1,780
Emb = 0
848.70
858.0
EP
EP
93+00
C = 912
F = 0

4/6
4/6
4/6
4/6

R.W.
F.N.
T.N.
D.W.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	27	31

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED	[illegible]	[illegible]
	PLOTTED	[illegible]	[illegible]
	TEMPLATE	[illegible]	[illegible]
NO.	AREAS	[illegible]	[illegible]
	AREAS CHECKED	P.M.	[illegible]

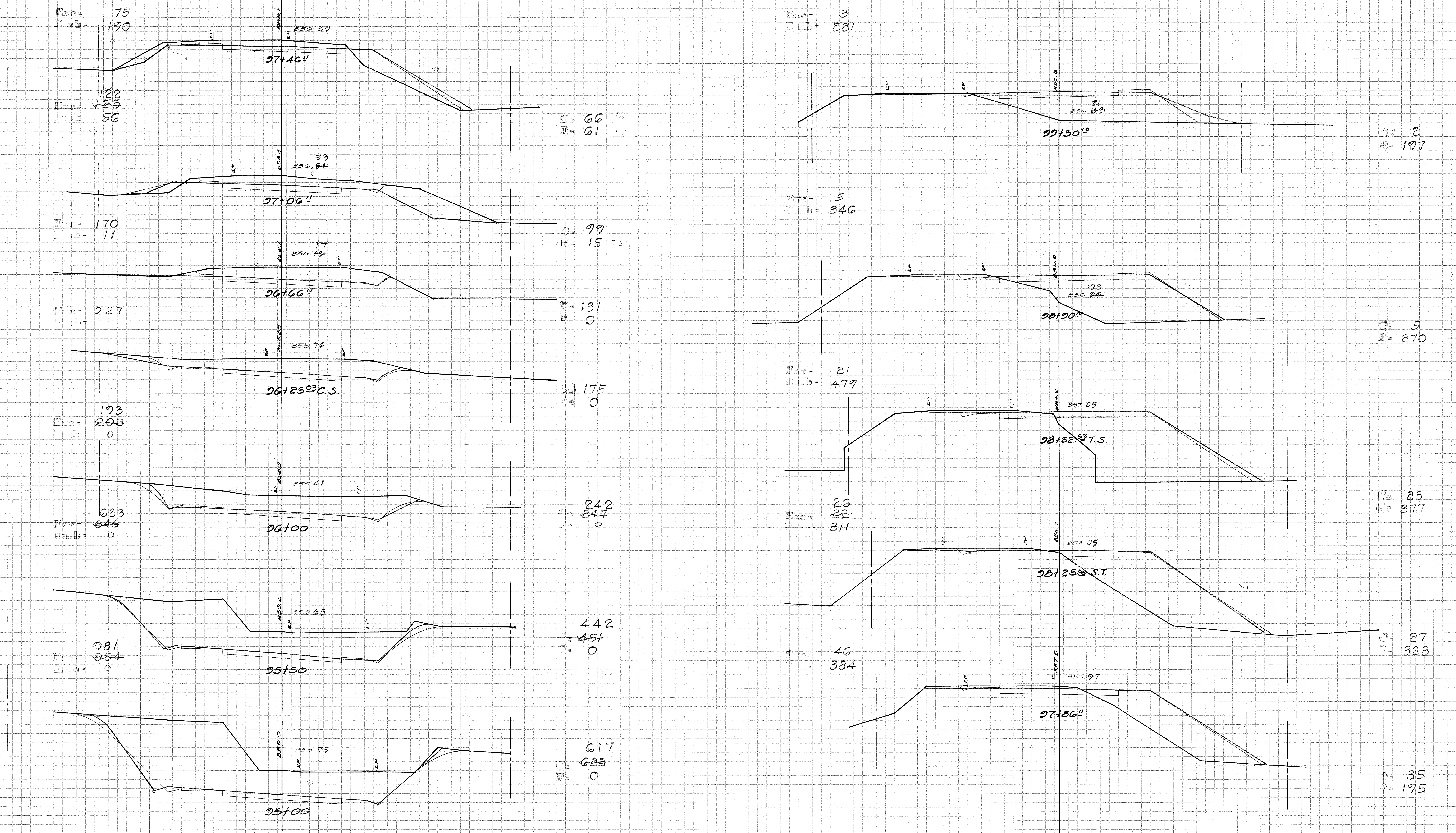
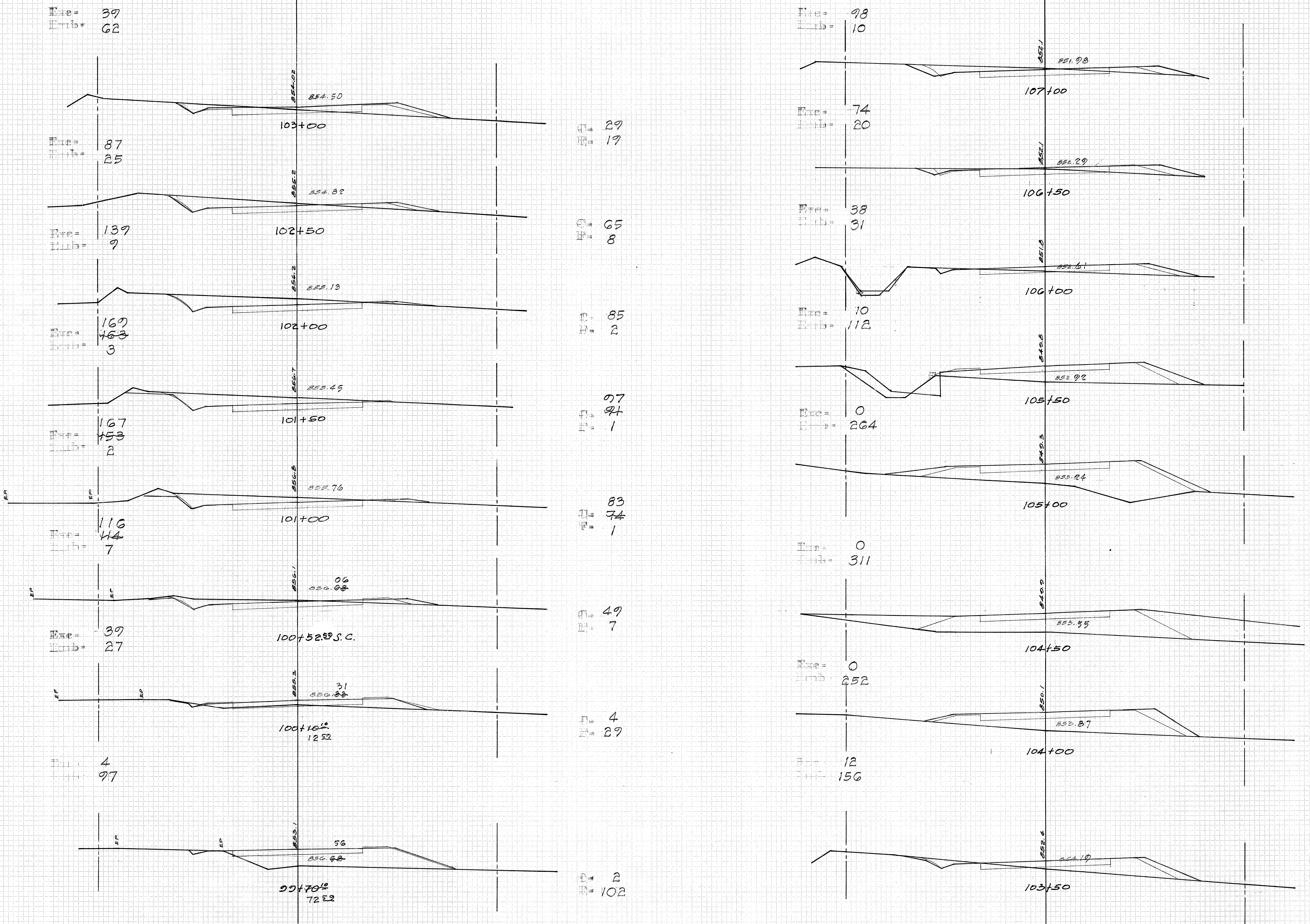

Exc = 75
Emb = 190
140
858.1
EP
856.80
EP
97+46.11
13
122
Exc = ~~423~~
Emb = 56
64
C = 66 76
F = 61 61
858.4
53
856.~~54~~
EP
EP
97+06.11
Exc = 170
Emb = 11
C = 99
F = 15 25
858.7
17
856.~~14~~
EP
EP
96+66.11
Exc = 227
Emb =
C = 131
F = 0
858.80
855.74
EP
EP
96+25.03 C.S.
C = 175
F = 0
193
Exc = ~~203~~
Emb = 0
858.9
855.41
EP
EP
96+00
633
Exc = ~~646~~
Emb = 0
C = 242
~~247~~
F = 0
859.2
854.65
EP
EP
95+50
981
Exc = ~~994~~
Emb = 0
C = 442
~~451~~
F = 0
859.0
853.75
EP
EP
95+00
C = 617
~~622~~
F = 0
Exc = 3
Emb = 221
850.6
EP
EP
81
856.~~82~~
99+30.10
C = 2
F = 197
Exc = 5
Emb = 346
850.9
EP
EP
98
856.~~99~~
98+90.10
C = 5
F = 270
Exc = 21
Emb = 479
854.2
857.05
EP
EP
98+52.59 T.S.
C = 23
F = 377
26
Exc = ~~22~~
Emb = 311
856.7
857.05
EP
EP
98+25.59 S.T.
C = 27
F = 323
Exc = 46
Emb = 384
857.5
856.97
EP
EP
97+86.11
C = 35
F = 195

PLATE 3 - CROSS SECTION O.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3 MADE IN U.S.A.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	28	31

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

ORIGINAL SURVEY		BY	DATE
NOTE BOOK	SURVEYED		
	PLOTTED	E.W.	5/62
NO.	TEMPLATE	E.W.	5/62
	AREAS	D.K.	5/62
	AREAS CHECKED	E.H.	5/62


854.02
854.50
103+00
855.2
854.82
102+50
856.2
855.13
102+00
856.7
855.45
101+50
EP
EP
856.8
855.76
101+00
EP
EP
856.1
06
856.~~08~~
100+52.59 S.C.
EP
EP
855.3
31
856.~~33~~
100+~~10^{10}~~
12^{52}
EP
EP
853.1
56
856.~~58~~
99+~~70^{10}~~
72^{52}
852.1
851.98
107+00
852.1
852.29
106+50
851.8
852.61
106+00
849.8
852.92
105+50
849.3
853.24
105+00
849.0
853.55
104+50
850.1
853.87
104+00
852.4
854.19
103+50

Exc= 39
Emb= 62

C= 29
F= 19

Exc= 87
Emb= 25

C= 65
F= 8

Exc= 139
Emb= 9

C= 85
F= 2

Exc= 169 ~~163~~
Emb= 3

C= 97 ~~91~~
F= 1

Exc= 167 ~~153~~
Emb= 2

C= 83 ~~74~~
F= 1

Exc= 116 ~~114~~
Emb= 7

C= 49
F= 7

Exc= 39
Emb= 27

C= 4
F= 29

Exc= 4
Emb= 97

C= 2
F= 102

Exc= 98
Emb= 10

C= 50
F= 8

Exc= 74
Emb= 20

C= 30
F= 14

Exc= 38
Emb= 31

C= 11
F= 20

Exc= 10
Emb= 112

C= 0
F= 101

Exc= 0
Emb= 264

C= 0
F= 184

Exc= 0
Emb= 311

C= 0
F= 152

Exc= 0
Emb= 252

C= 0
F= 120

Exc= 12
Emb= 156

C= 13
F= 48

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-3

28

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEET
HAWAII	HAW.	S-0480(1)	1965	29	31

FINAL SURVEY
NOTE BOOK
NO.

	BY	DATE
SURVEYED		
PLOTTED		
TEMPLATE		
AREAS		
AREAS CHECKED		

ORIGINAL SURVEY
NOTE BOOK
NO.

	BY	DATE
SURVEYED		
PLOTTED	P. W.	5/62
TEMPLATE	D. W.	5/62
AREAS	D. W.	5/62
AREAS CHECKED	P. W.	5/62

Exc= 287 ~~300~~
Emb= 0
852.5
849.77
110+50
C= 160
F= 0
Exc= 291 ~~286~~
Emb= 0
852.3
850.09
110+00
C= 154 ~~149~~
F= 0
Exc= 130 ~~139~~
Emb= 0
852.1
850.24 ~~26~~
109+74.81 S.T.
C= 125 ~~122~~
F= 0
Exc= 152 ~~150~~
Emb= 0
851.8
850.50 ~~52~~
109+34.81 ~~32.32~~
C= 80
F= 0
Exc= 116
Emb= 0
851.7
850.75 ~~72~~
108+94.81 ~~92.32~~
C= 77
F= 0
Exc= 105
Emb= 2
851.6
851.00 ~~62~~
108+54.81 ~~52.32~~
C= 65
F= 3
Exc= 94
Emb= 7
851.8
851.27
108+14.81 ~~12.32~~
C= 62
F= 6
Exc= 85
Emb= 9
851.9
851.51 ~~52~~
107+74.81 C.S.
C= 53
F= 6
Exc= 150 ~~45~~
Emb= 4
852.0
851.66
107+50
C= 56
F= 3
Exc= 0
Emb= 90
844.1
847.25
114+50
C= 0
F= 70
Exc= 0
Emb= 95
845.9
847.56
114+00
C= 0
F= 33
Exc= 25 ~~21~~
Emb= 36
847.2
847.88
113+50
C= 27 ~~23~~
F= 6
Exc= 88 ~~81~~
Emb= 6
848.8
848.19
113+00
C= 68 ~~64~~
F= 0
Exc= 166 ~~155~~
Emb= 0
849.9
848.51
112+50
C= 111 ~~103~~
F= 0
Exc= 209 ~~206~~
Emb= 0
850.4
848.83
112+00
C= 115 ~~120~~
F= 0
Exc= 214 ~~228~~
Emb= 0
850.9
849.14
111+50
C= 116 ~~126~~
F= 0
Exc= 246 ~~269~~
Emb= 0
Side Road Exc.= 263 c.y.
Sta. 111+28 Lt.
852.0
849.46
111+00
C= 150 ~~164~~
F= 0
Exc= 0
Emb= 142
841.8
845.53
117+24.23 S.C.
C= 0
F= 153
Exc= 0
Emb= 387
840.4
845.83
116+74.23 ~~95~~
C= 0
F= 265
Exc= 0
Emb= 593
838.2
846.15
116+24.23 ~~95~~
C= 0
F= 375
Exc= 0
Emb= 632
839.8
846.46
115+74.23 ~~95~~
C= 0
F= 308
Exc= 0
Emb= 472
841.7
846.78
115+24.23 ~~95~~
C= 0
F= 202
Exc= 0
Emb= 303
843.5
847.10 ~~09~~
114+74.23 T.S.
C= 0
F= 125

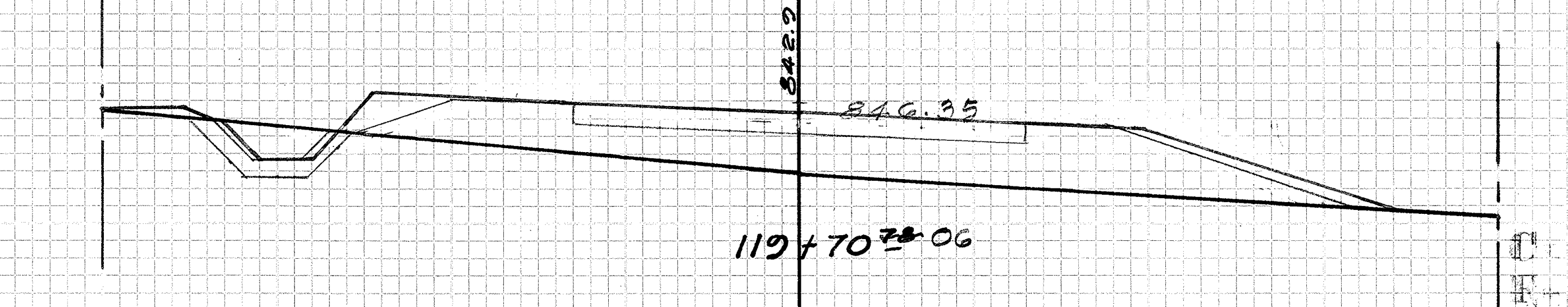
PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-9 MADE IN U.S.A. 24937

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	30	31

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

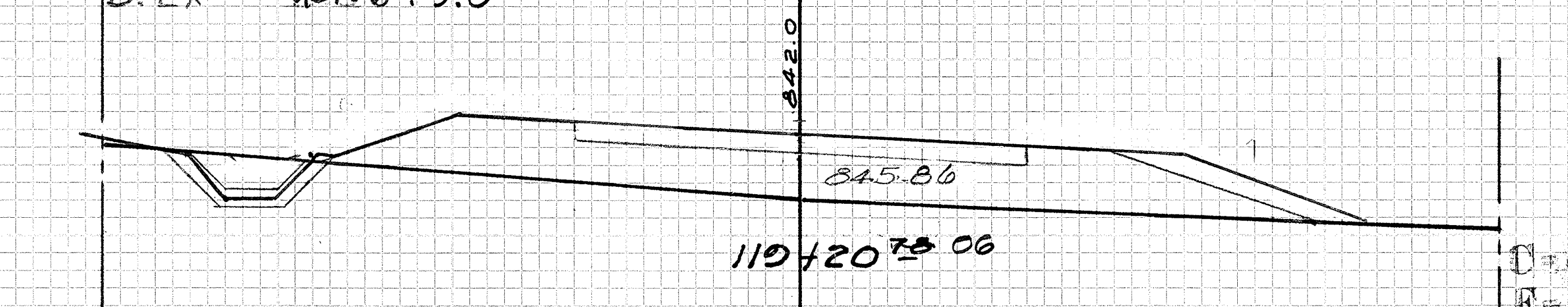
ORIGINAL SURVEY		BY	DATE
	SURVEYED		
	PLOTTED	D.W.	5/63
NOTE BOOK	TEMPLATE	D.W.	5/63
	AREAS	D.W.	5/63
NO.	AREAS CHECKED	F.M.	5/63

Exc = 0
Emb = 225
D. Ex = ~~13.2~~ 13.0


842.9
846.35
119+70 ~~78~~ 06

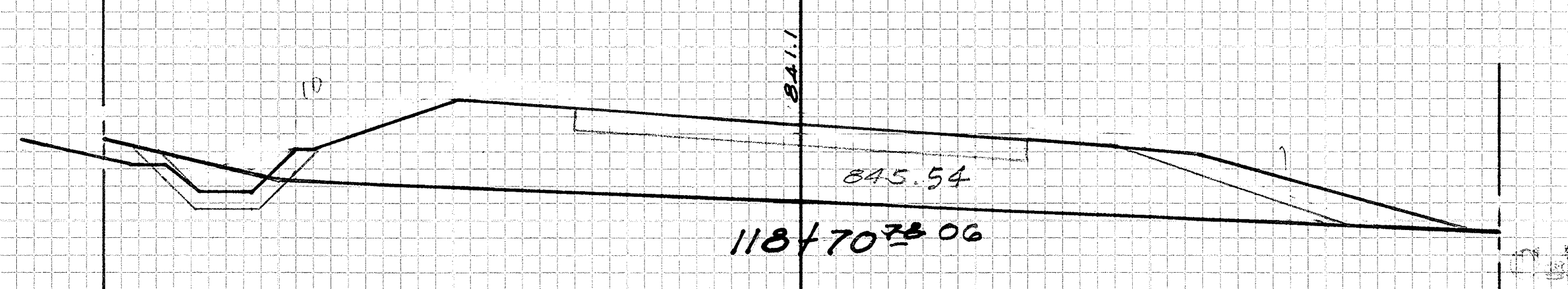
C= 0
F= 123
D= ~~9~~ 8

Exc = 0
Emb = 239
D. Ex = ~~17.6~~ 13.0


842.0
845.86
119+20 ~~78~~ 06

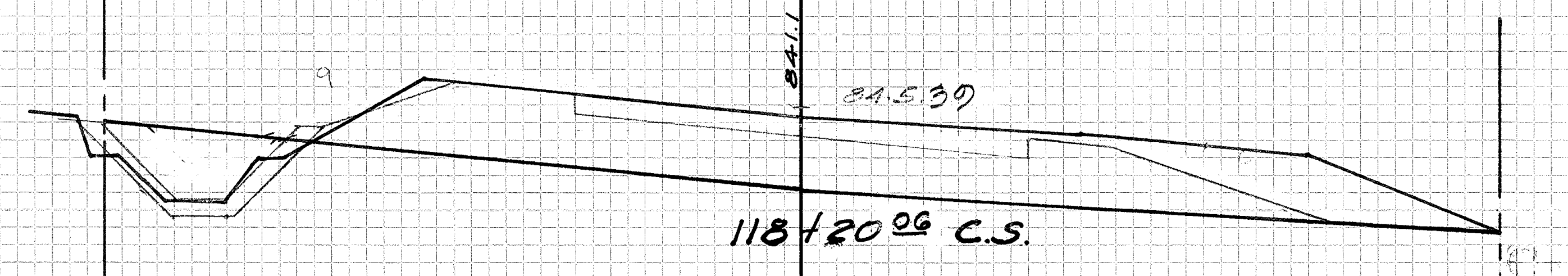
C= 0
F= 135
D= ~~10~~ 6

Exc = 0
Emb = 306
D. Ex = ~~15.7~~ 12.0


841.1
845.54
118+70 ~~78~~ 06

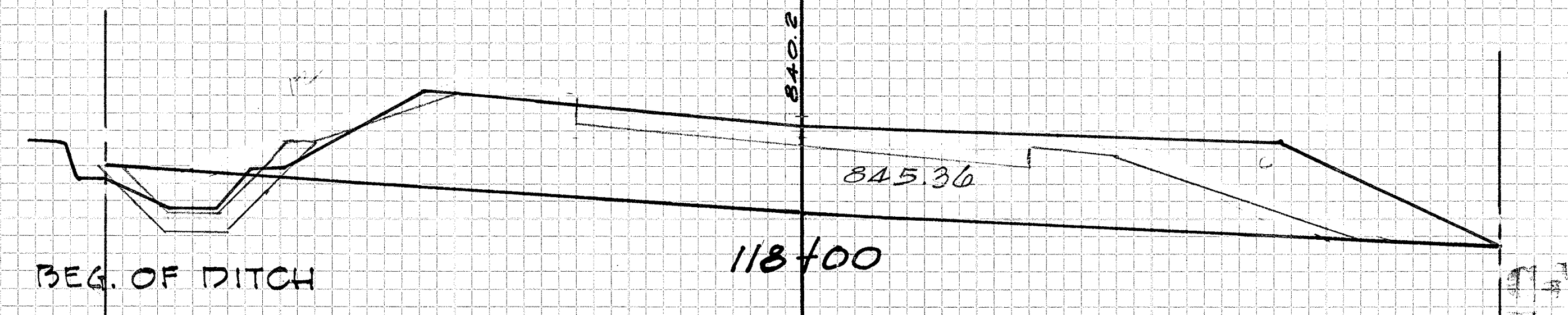
C= 0
F= 195
D= 7

Exc = 0
Emb = 339
D. Ex = 34.3


841.1
845.39
118+20 06 C.S.

C= 0
F= 171
D= 30

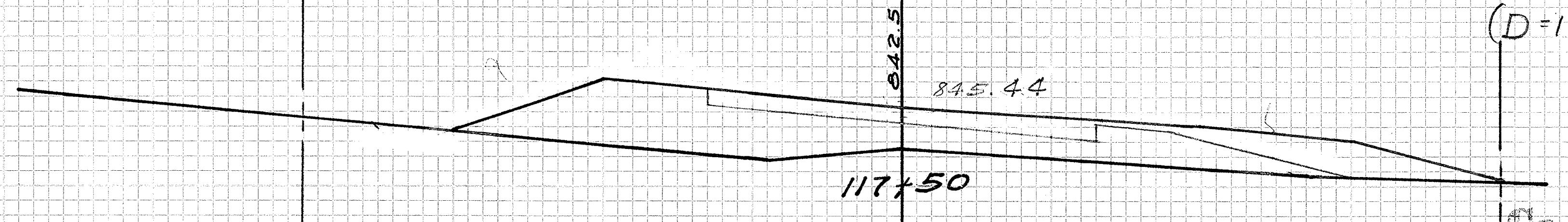
Exc = 0
Emb = 143
D. Ex. = ~~16.5~~ 17.5


840.2
845.36
118+00
BEG. OF DITCH

C= 0
F= 212
D= ~~13~~ 17

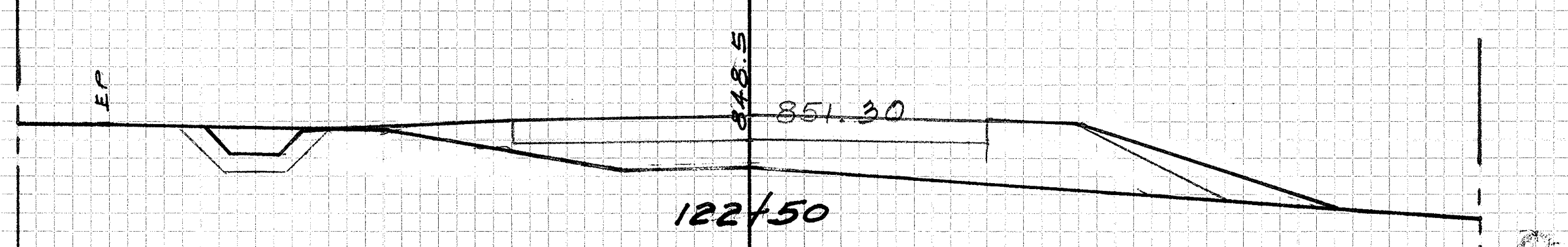
Exc = 0
Emb = 340
D. Ex = ~~6.0~~

(D=10@117+86)


842.5
845.44
117+50

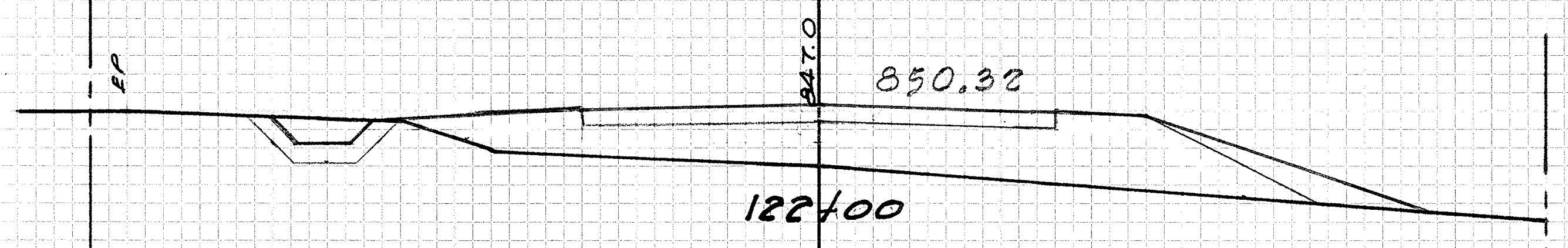
C= 0
F= 155

Exc = 0
Emb = 134
D. Ex = ~~12~~ 14.8


EP
848.5
851.30
122+50

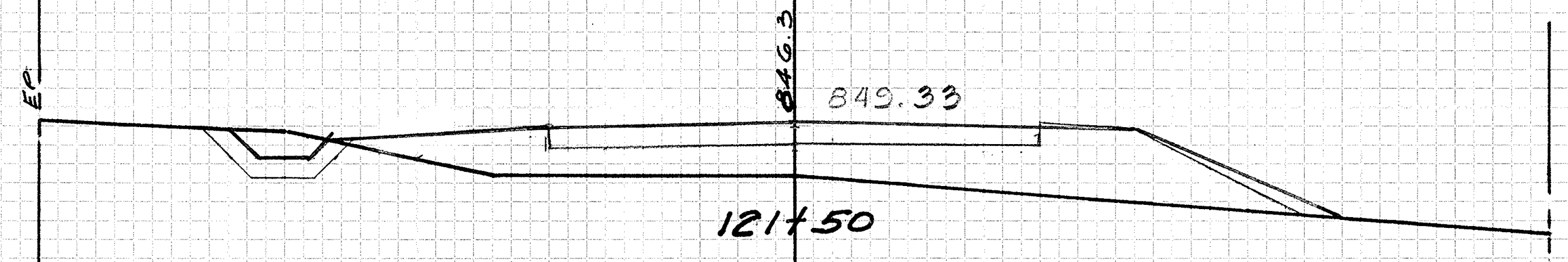
C= 0
F= 90
D= ~~6~~ 7

Exc = 0
Emb = 197
D. Ex. = 11.1


EP
847.0
850.32
122+00

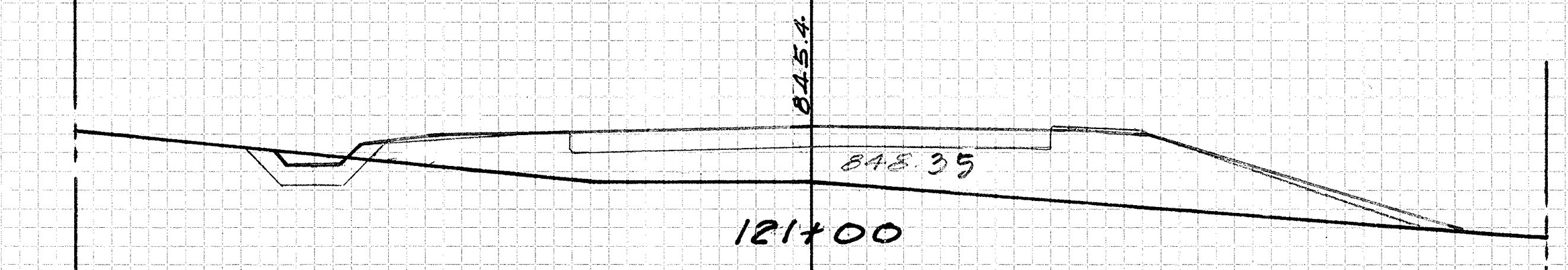
C= 0
F= 123
D= ~~6~~ 5

Exc = 0
Emb = 214
D. Exc = ~~11.1~~ 9.3


EP
846.3
849.33
121+50

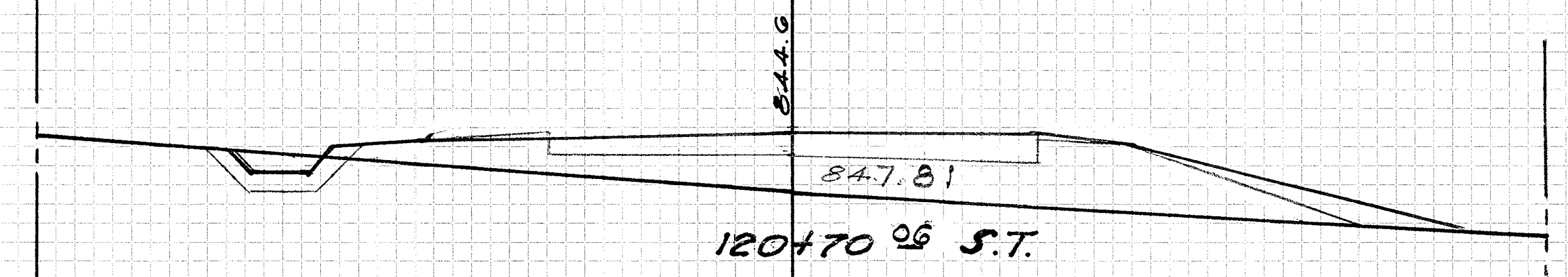
C= 0
F= 108
D= ~~6~~ 5

Exc = 0
Emb = 212
D. Ex. = ~~8.3~~ 9.3


845.4
848.35
121+00

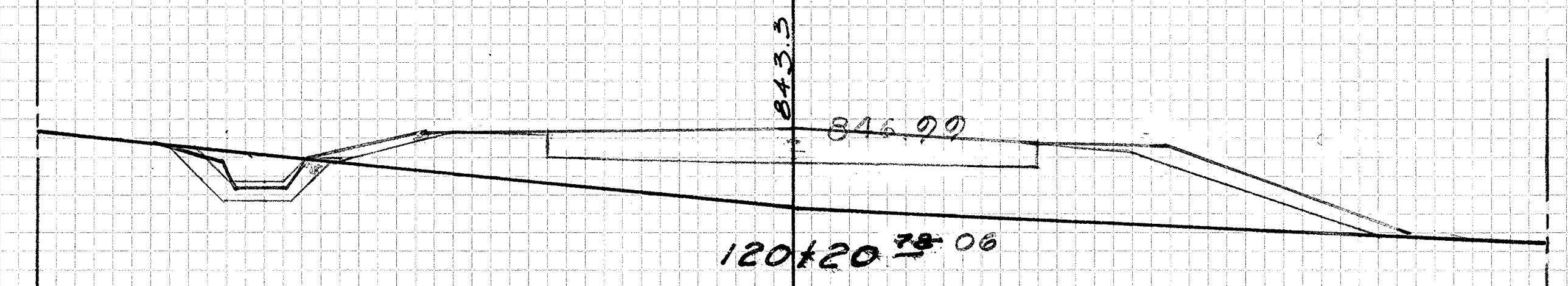
C= 0
F= 121
D= ~~3~~ 5

Exc = 0
Emb = 118
D. Ex. = ~~3.8~~ 6.0


844.6
847.81
120+70 06 S.T.

C= 0
F= 100
D= ~~4~~ 6

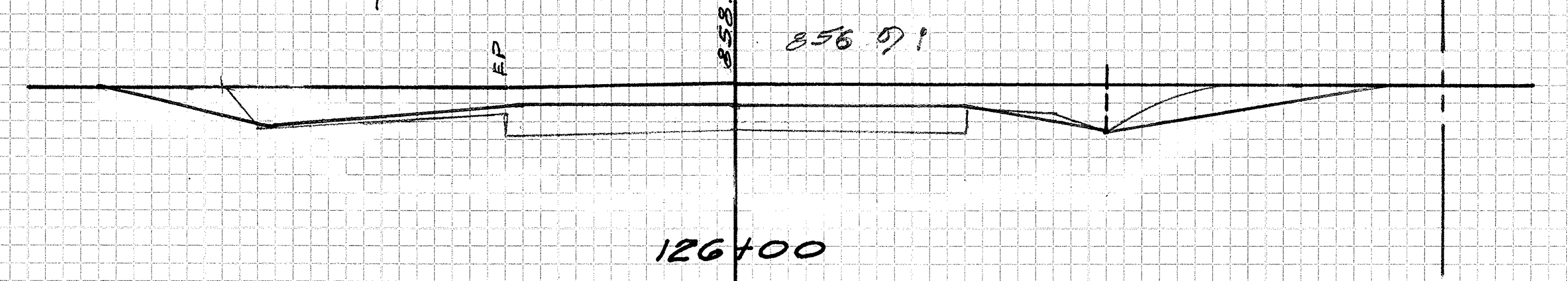
Exc = 0
Emb = 204
D. Ex = ~~9.3~~ 11.1


843.3
846.99
120+20 ~~78~~ 06

C= 0
F= 120
D= 6

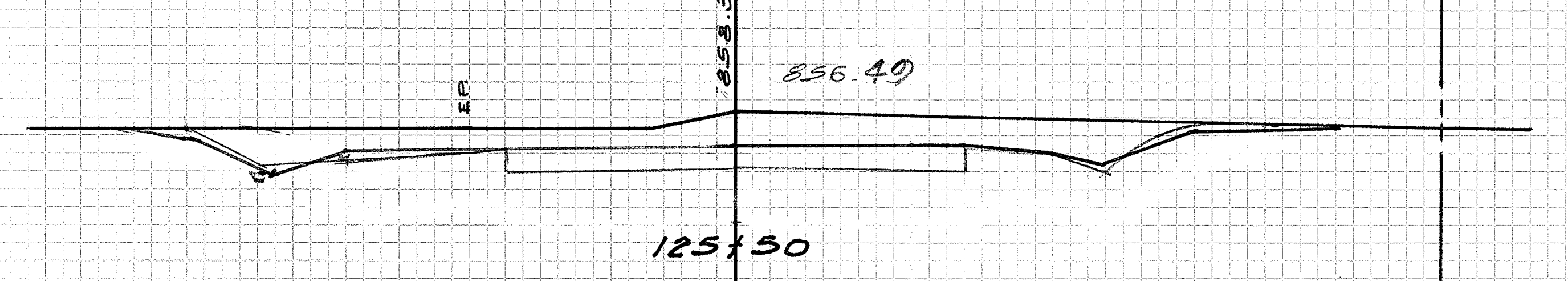
Exc = 226
Emb = 0

Side Road Exc. = 288
Sta. 126 +00 Rt. & 126+30 Lt.


EP
858.1
856.91
126+00

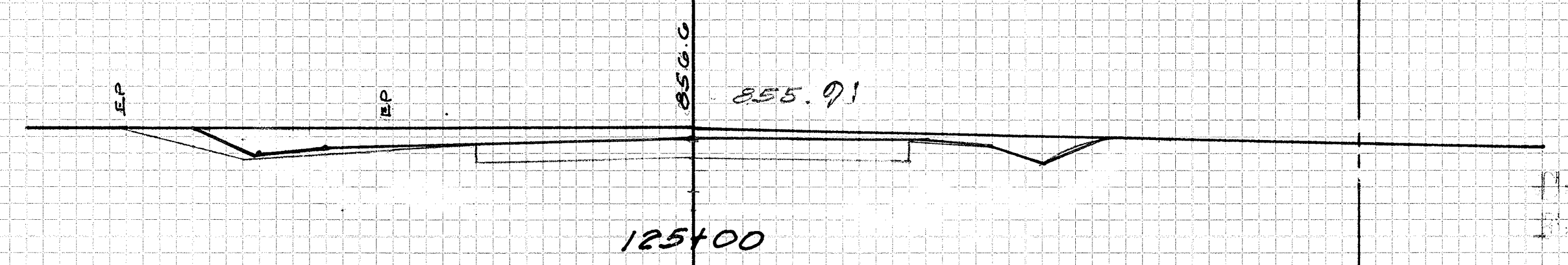
C= 121
F= 0

Exc = 229 ~~224~~
Emb = 0


EP
858.3
856.49
125+50

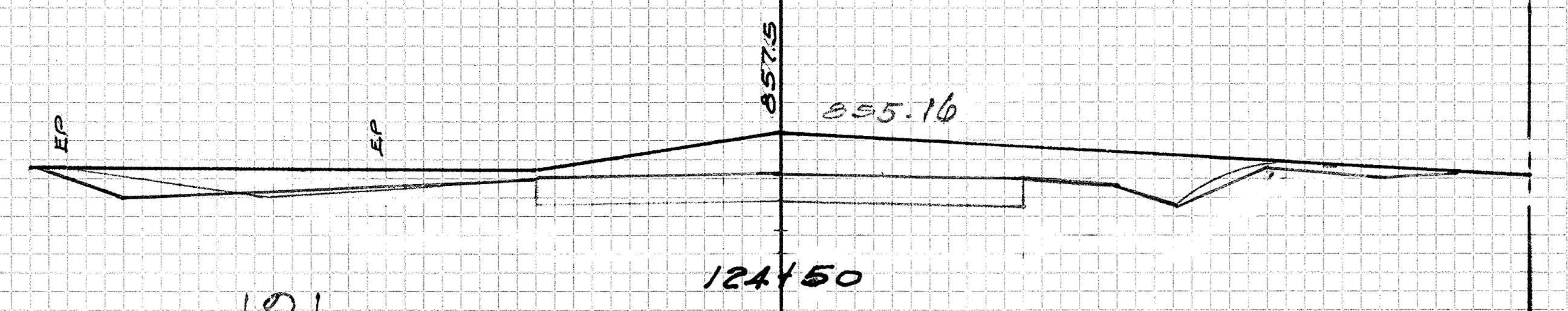
C= 126 ~~121~~
F= 0

Exc = 196 ~~192~~
Emb = 0


EP
EP
856.0
855.91
125+00

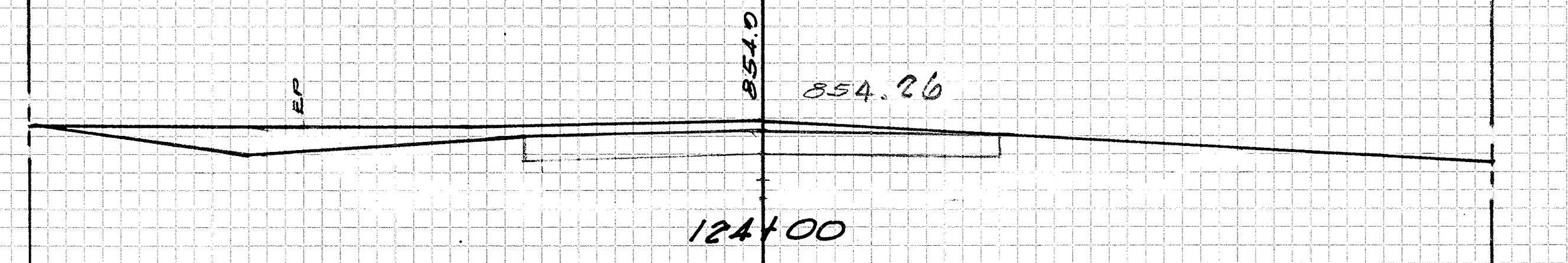
C= 86
F= 0

Exc = 210 ~~195~~
Emb = 0


EP
EP
857.5
855.16
124+50

C= 141 ~~125~~
F= 0

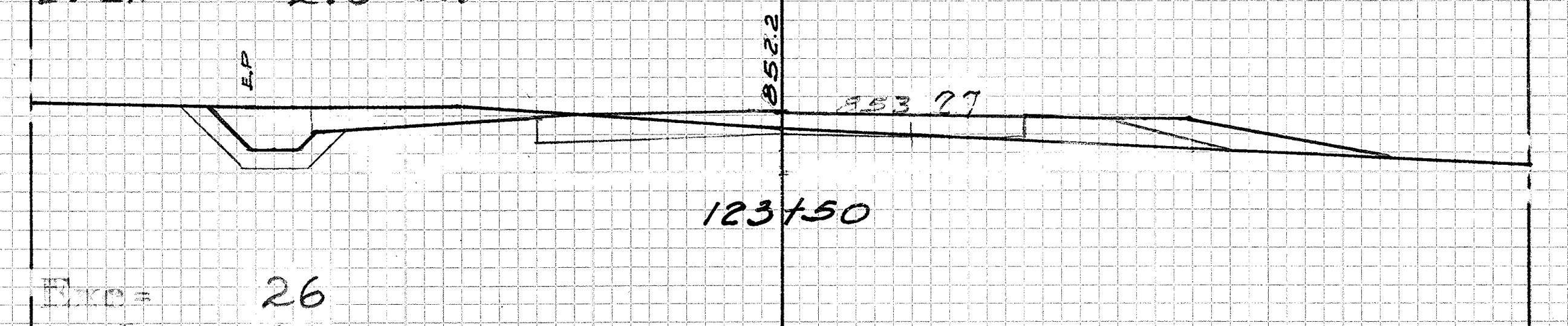
Exc = 191 ~~176~~
Emb = 0


EP
854.0
854.26
124+00

C= 65
F= 0

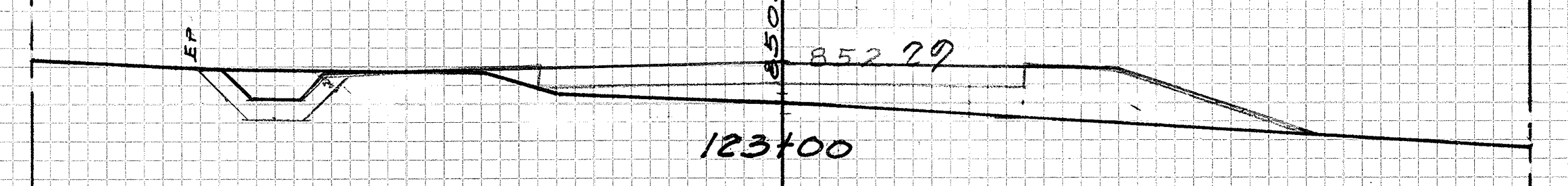
END DITCH D=0@123+~~65~~ 72^{50}

Exc = 86
Emb = 9
D. Ex = ~~2.8~~ 0.5


EP
852.2
853.27
123+50

C= 28
F= 10
D= ~~10~~ 12

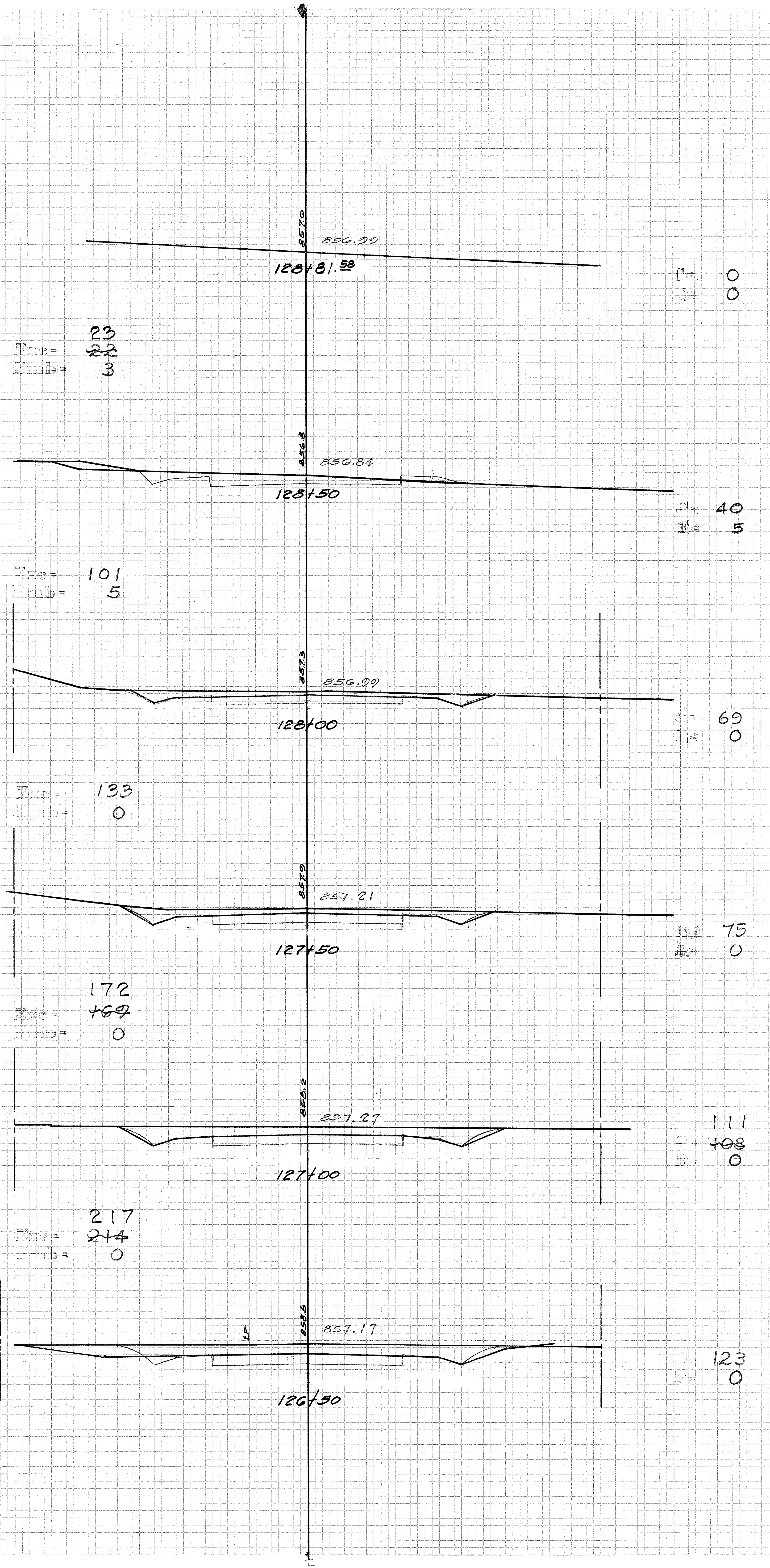
Exc = 26
Emb = 61
D. Ex = ~~15.7~~ 19.4

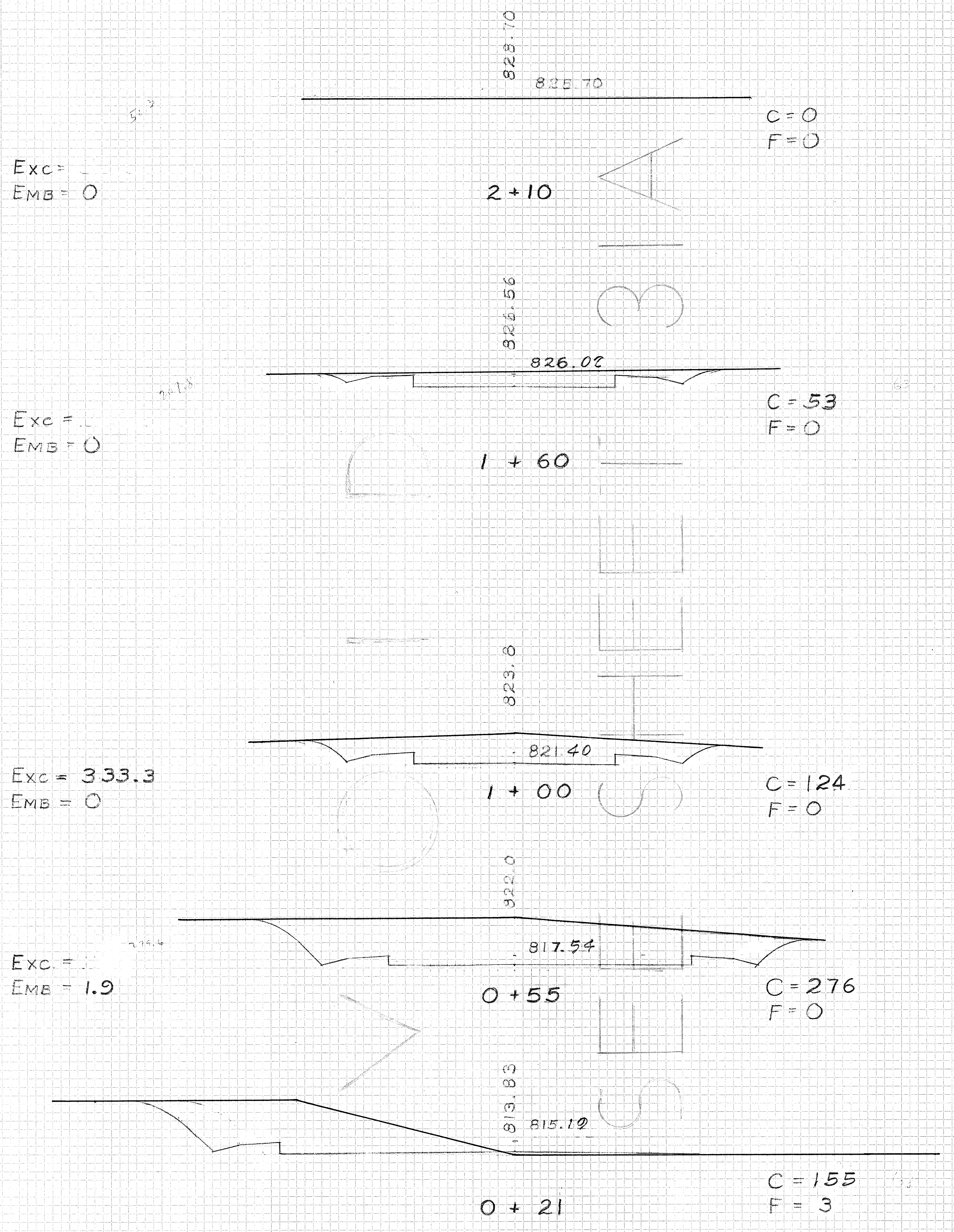

EP
850.0
852.29
123+00

C= 0
F= 56
D= ~~7~~ 9

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK
K & E CO. NO. 348-3 MADE IN U.S.A.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	31	31


857.0
856.99
128+81.58
C= 0
F= 0
Exc= ~~22~~ 23
Emb= 3
856.8
856.84
128+50
C= 40
F= 5
Exc= 101
Emb= 5
857.3
856.99
128+00
C= 69
F= 0
Exc= 133
Emb= 0
857.9
857.21
127+50
C= 75
F= 0
Exc= ~~169~~ 172
Emb= 0
858.2
857.27
127+00
C= ~~108~~ 111
F= 0
Exc= ~~214~~ 217
Emb= 0
EP
858.5
857.17
126+50
C= 123
F= 0


828.70
825.70
C=0
F=0
Exc=
Emb= 0
2+10
826.56
826.02
C=53
F=0
Exc=
Emb= 0
1 + 60
823.8
821.40
Exc= 333.3
Emb= 0
1 + 00
C=124
F=0
822.0
817.54
Exc. =
Emb = 1.9
0 +55
C=276
F=0
813.83
815.19
C=155
F= 3
0 + 21

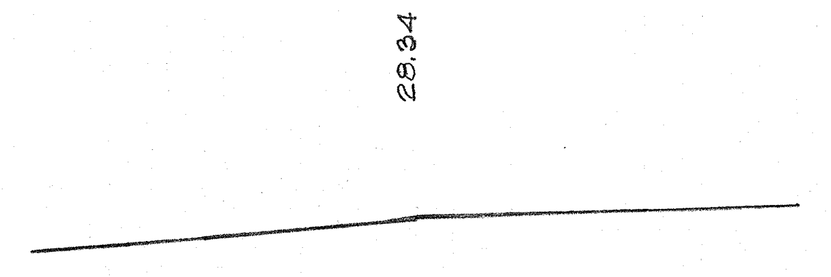
EARTHWORK SUMMARY

EXCAVATION = ~~32,665~~ 32,559 c.y.
EMBANKMENT = 24,892 c.y.

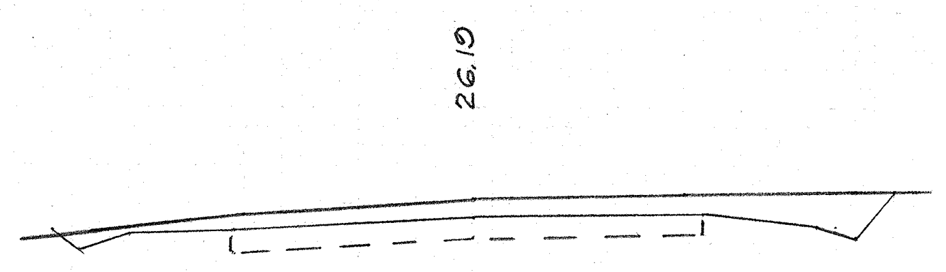
APPROACH @ STA. 76+50

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E CO. NO. 345-2 MADE IN U.S.A.

FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	S-0480(1)	1965	31A	31



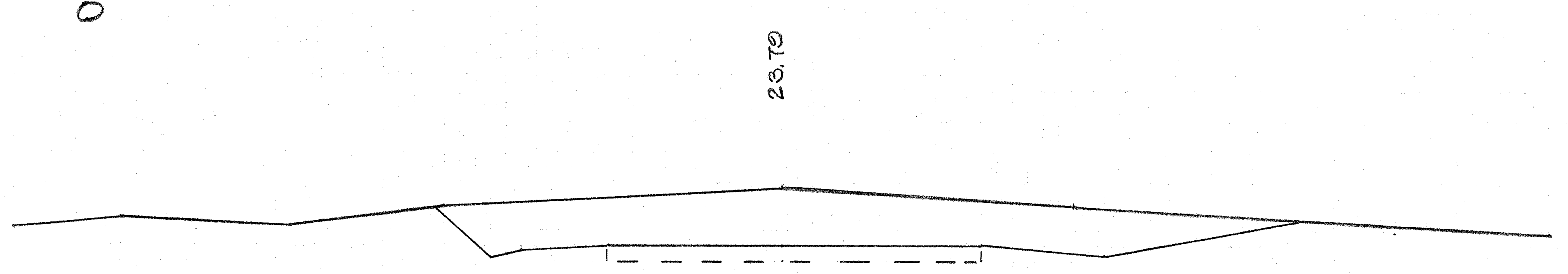
2+10



1+60

C= 65
F= 0

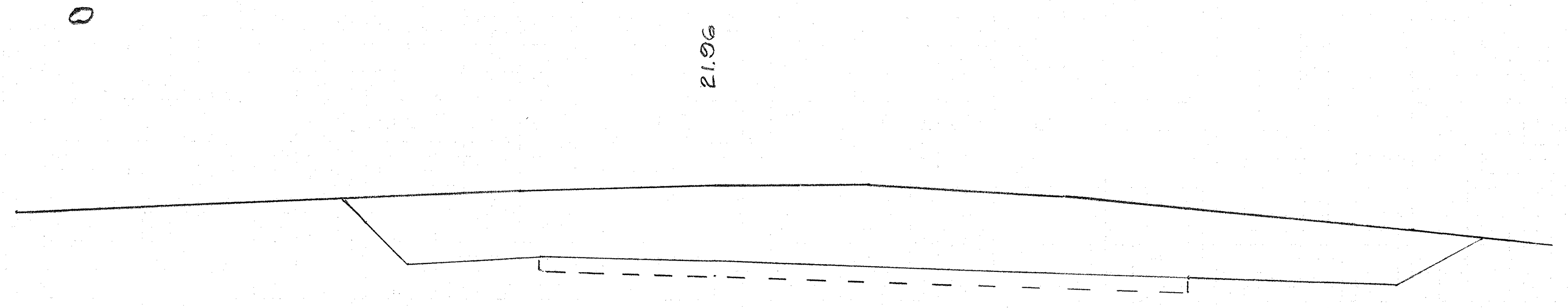
Exc= 267
Emb= 0



1+00

C= 175
F= 0

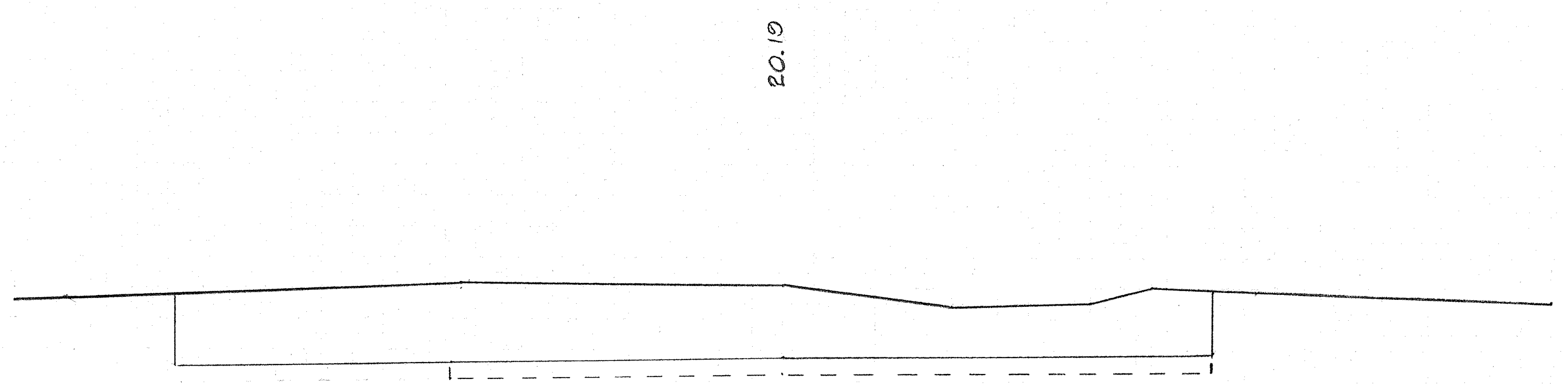
Exc= 514
Emb= 0



0+55

C= 442
F= 0

Exc= 371
Emb= 0



0+21

C= 360
F= 0

APPROACH @ STA. 76+25