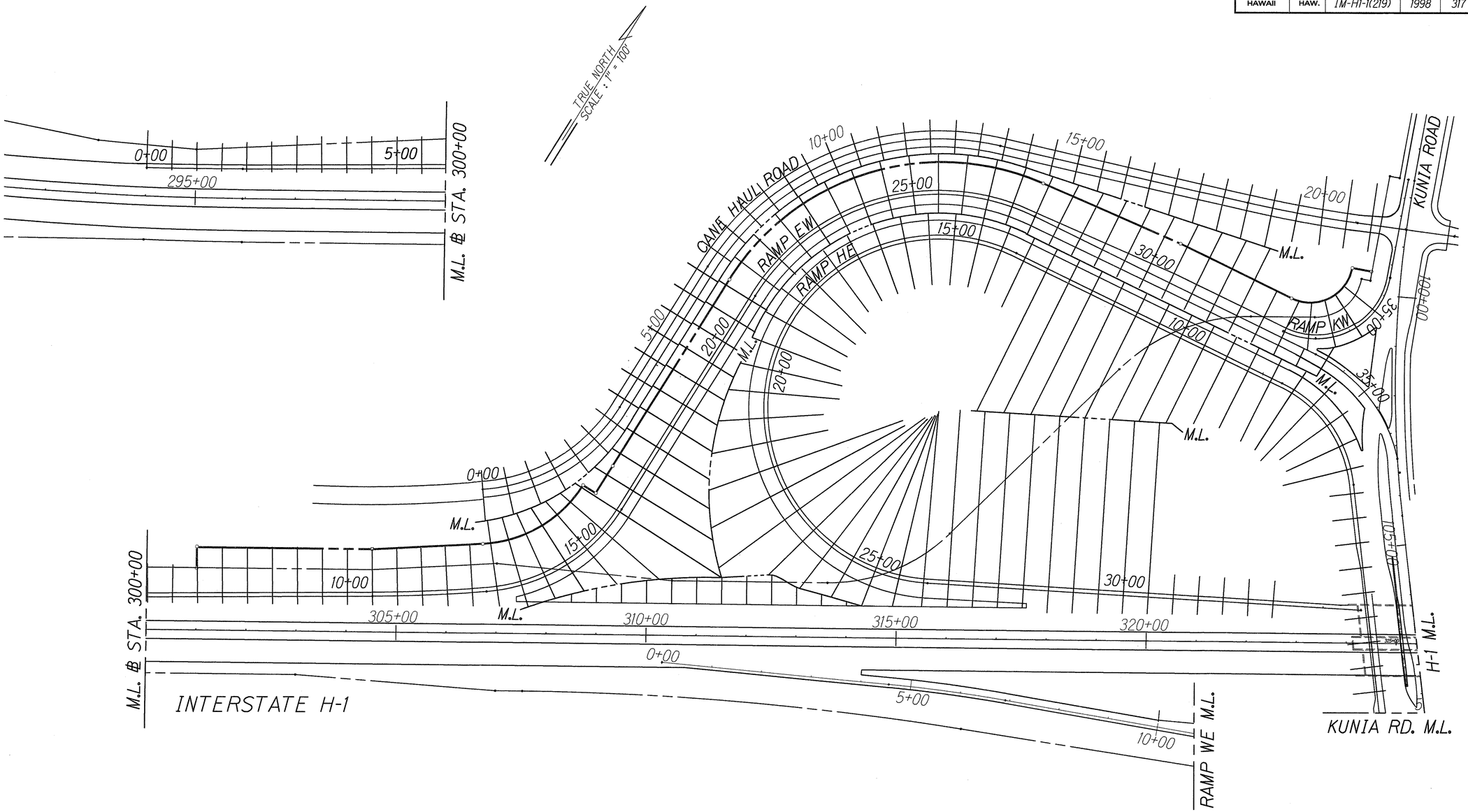
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	317	378



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 10-27-97
	DRAWN BY G. Kawamoto, Mt.	
NOTE BOOK dd/mh	TRACED BY J. Freida	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

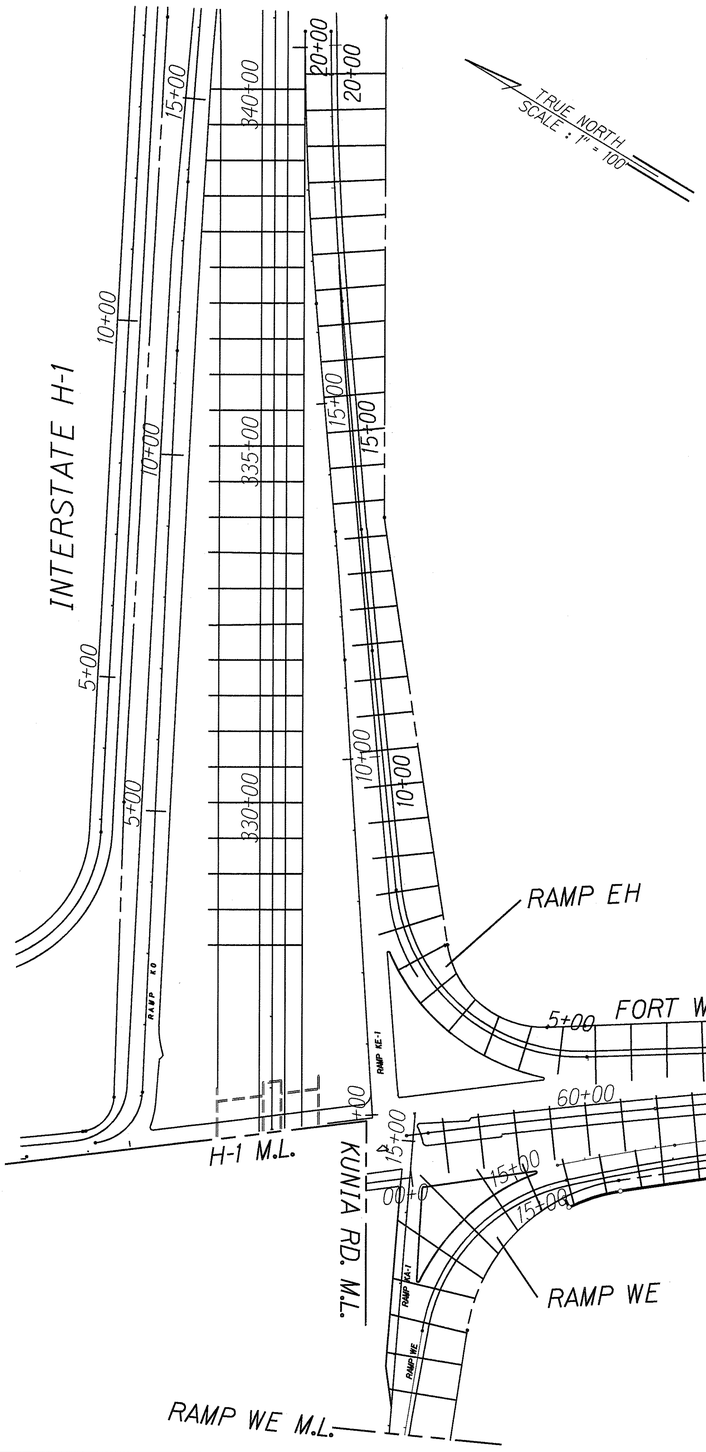
CROSS SECTION KEY PLAN

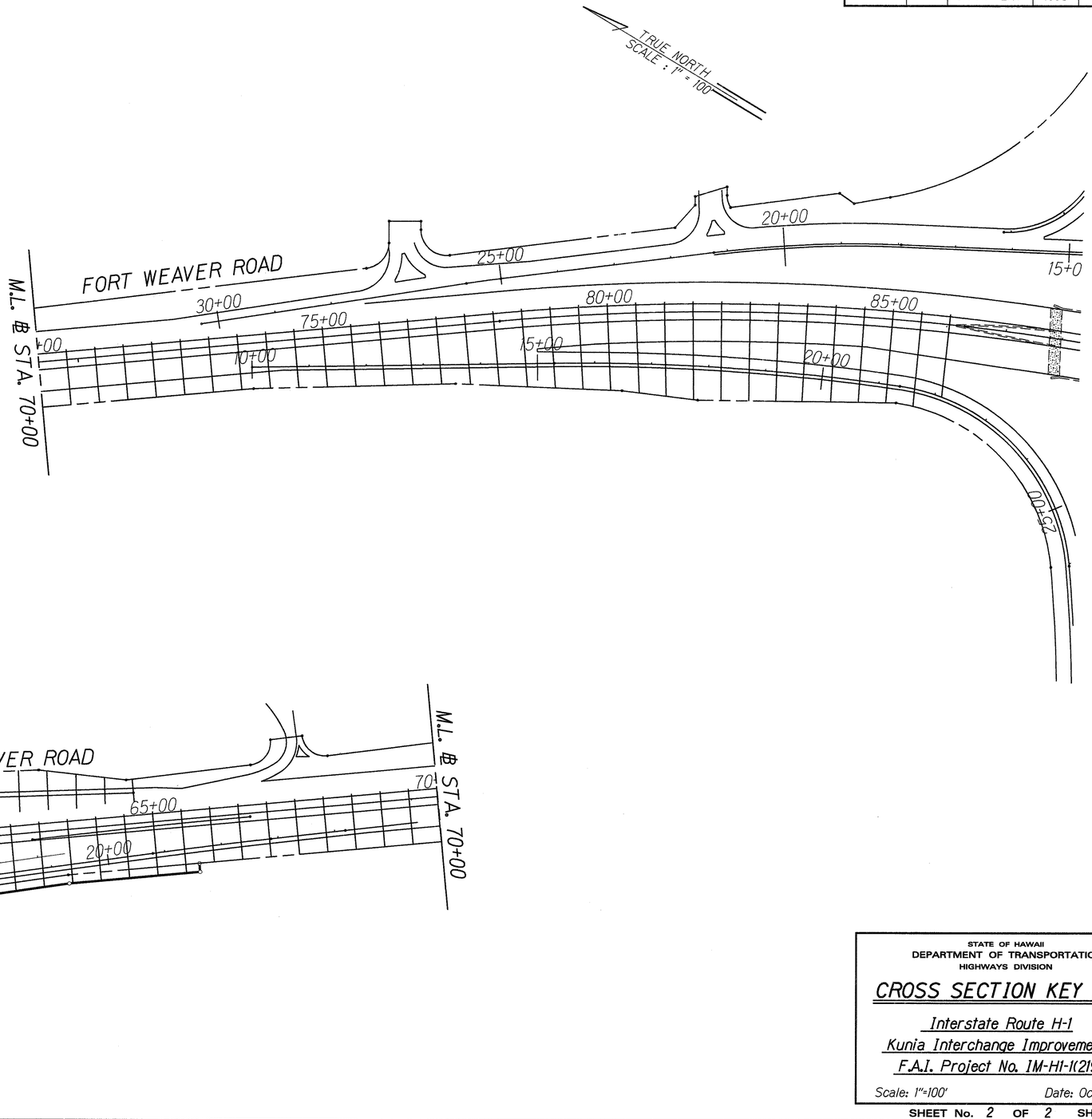
Interstate Route H-1
Kunia Interchange Improvements
F.A.I. Project No. IM-HI-1(219)

Scale: 1"=100' Date: Oct. 1996

SHEET No. 1 OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	318	378





ORIGINAL PLAN

SURVEY PLOTTED BY	DATE 10/13/97
DRAWN BY C. Edwards, MH	
TRACED BY	
DESIGNED BY J. Fronda	
NOTE BOOK	QUANTITIES BY
DATE	CHECKED BY
No. dhhi1s862	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CROSS SECTION KEY PLAN

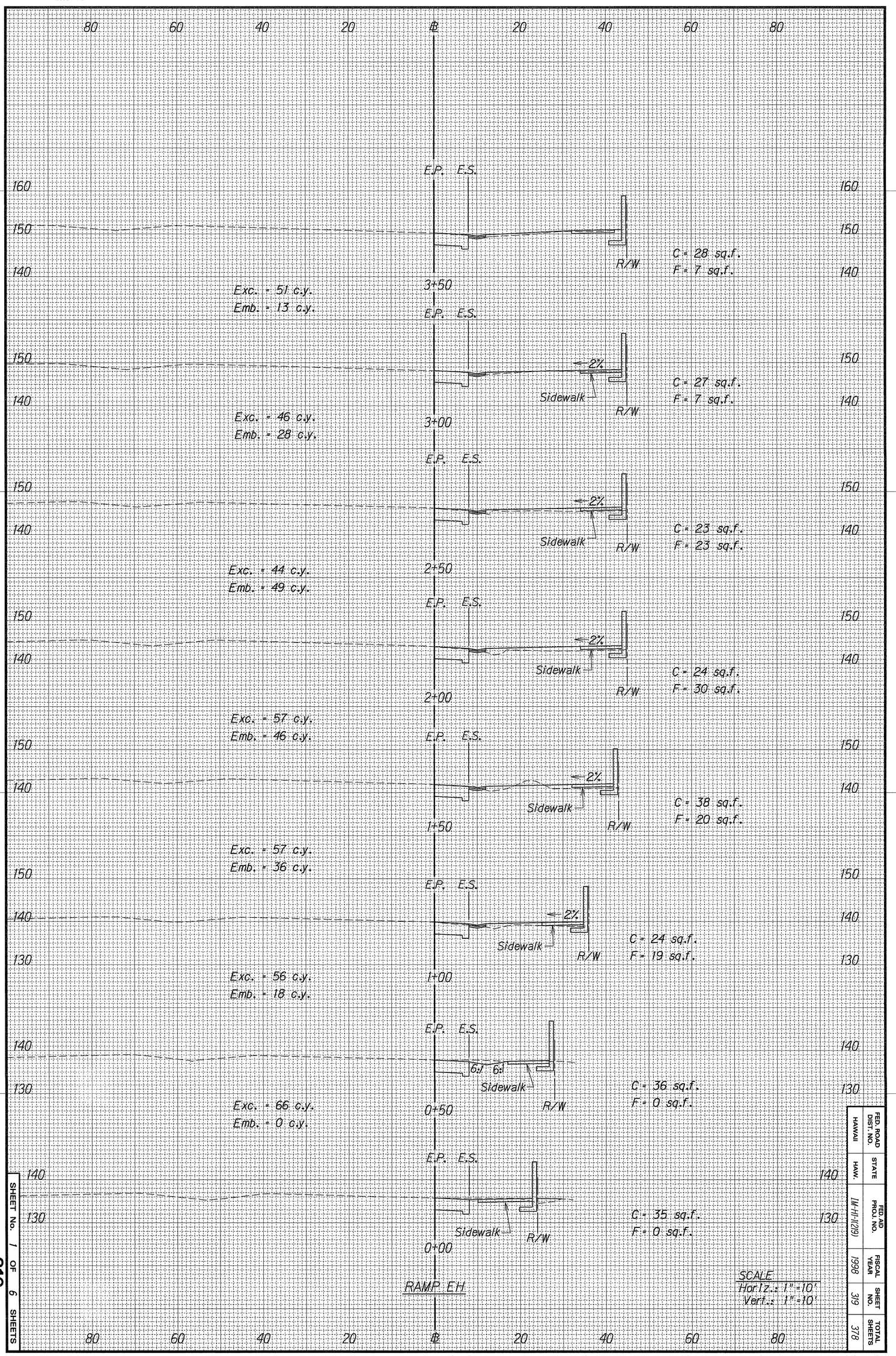
Interstate Route H-1
Kunia Interchange Improvements
F.A.I. Project No. IM-HI-1(219)

Scale: 1"=100' Date: Oct. 1996

SHEET No. 2 OF 2 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY J. Matsunami / K. Tom-Hirota/M.H. 10-14-97
NOTE BOOK dd1mh/dlhl rampehxsl	TRACED BY _____
	DESIGNED BY J. Fronda, M. Quodala
	QUANTITIES BY _____
	CHECKED BY _____

(subdir xs)



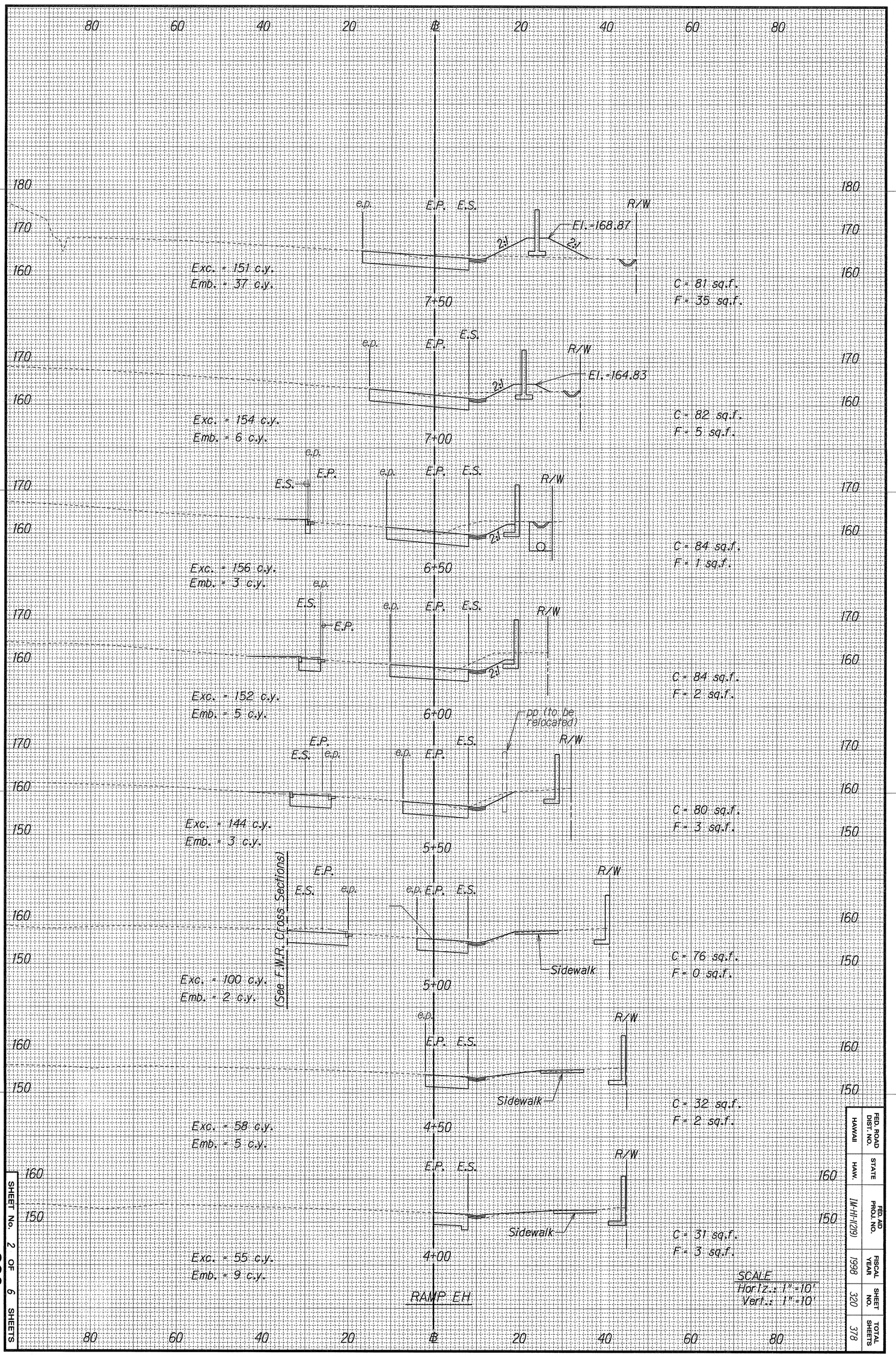
SCALE
Horiz.: 1" = 10'
Vert.: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(219)	1998	319	378

SHEET No. 1 OF 6 SHEETS

319

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY J. Mafuruma/K. Tom-Hirota/mb/PW · 10-14-97
NOTE BOOK dd(.mh/.dlh) rampehxs2 N= (subdir. xs)	TRACED BY _____ · _____
	DESIGNED BY J. Fronda, M. Quodala · _____
	QUANTITIES BY _____ · _____
	CHECKED BY _____ · _____



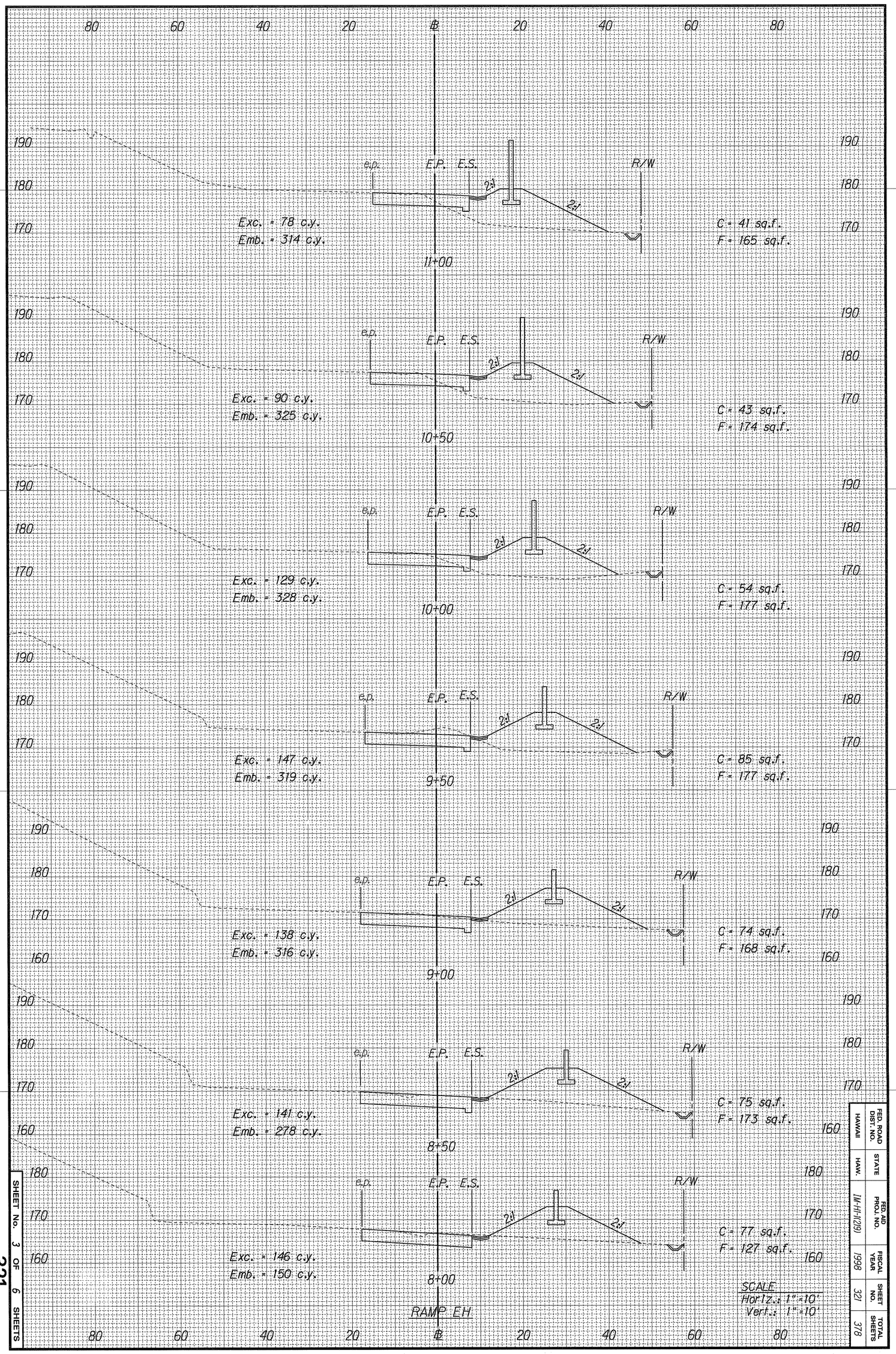
SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1(129)	1998	320	378

SHEET No. 2 OF 6 SHEETS

320

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY J. Matsunami/K. Tom-Hirota/mh — 10-17-97
NOTE BOOK datum rampehxs3 No. ____	TRACED BY _____
	DESIGNED BY J. Fronda, M. Quodala
	QUANTITIES BY _____
	CHECKED BY _____



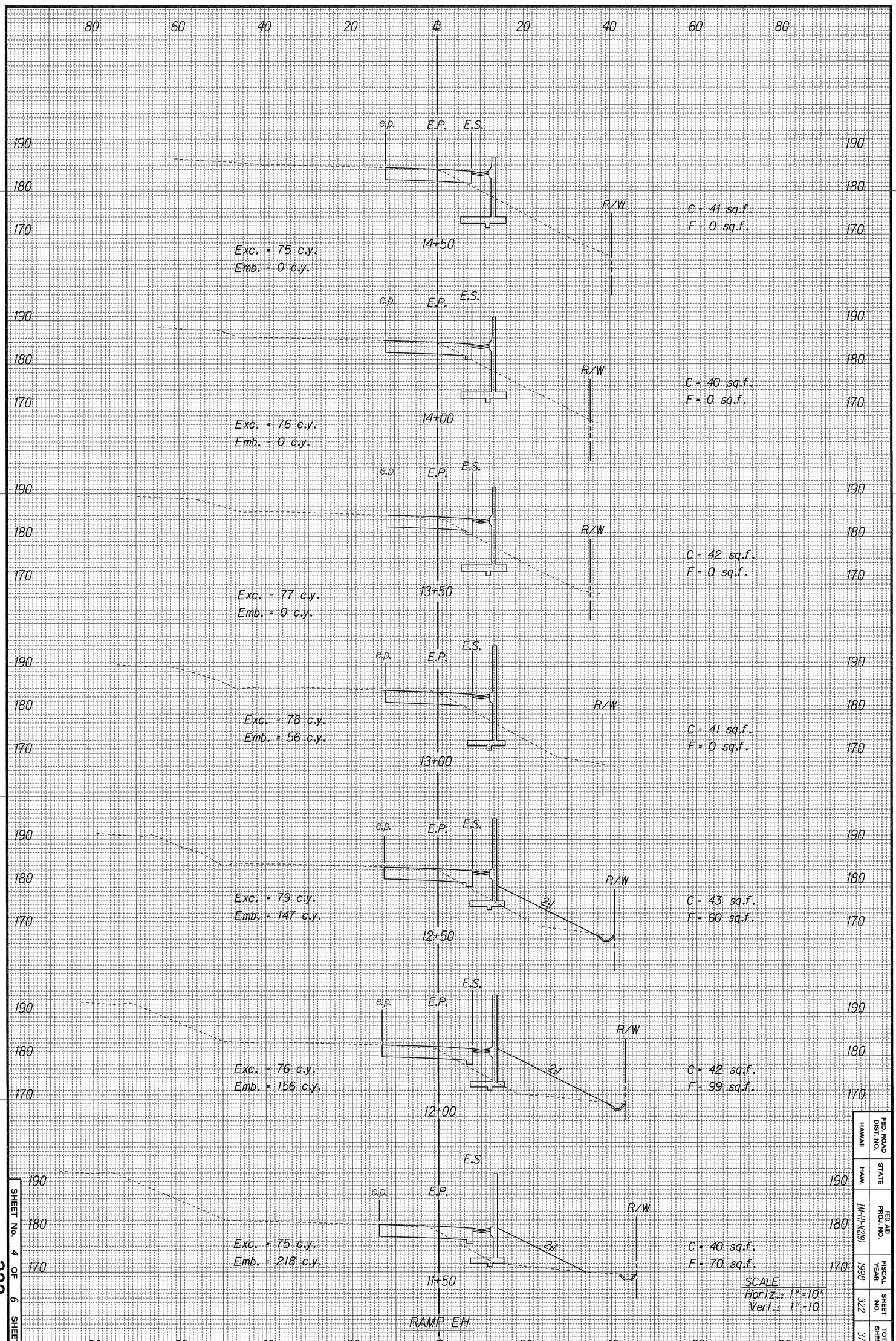
SCALE
Horiz.: 1" = 10'
Vert.: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1(219)	1998	321	378

SHEET No. 3 OF 6 SHEETS

321

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY J. Matsunami/K. Tom-Hirota/mh · 10-14-97
NOTE BOOK datum rampehxs4 N.	TRACED BY _____ · _____
	DESIGNED BY J. Fronda, M. Quodala · _____
	QUANTITIES BY _____ · _____
	CHECKED BY _____ · _____



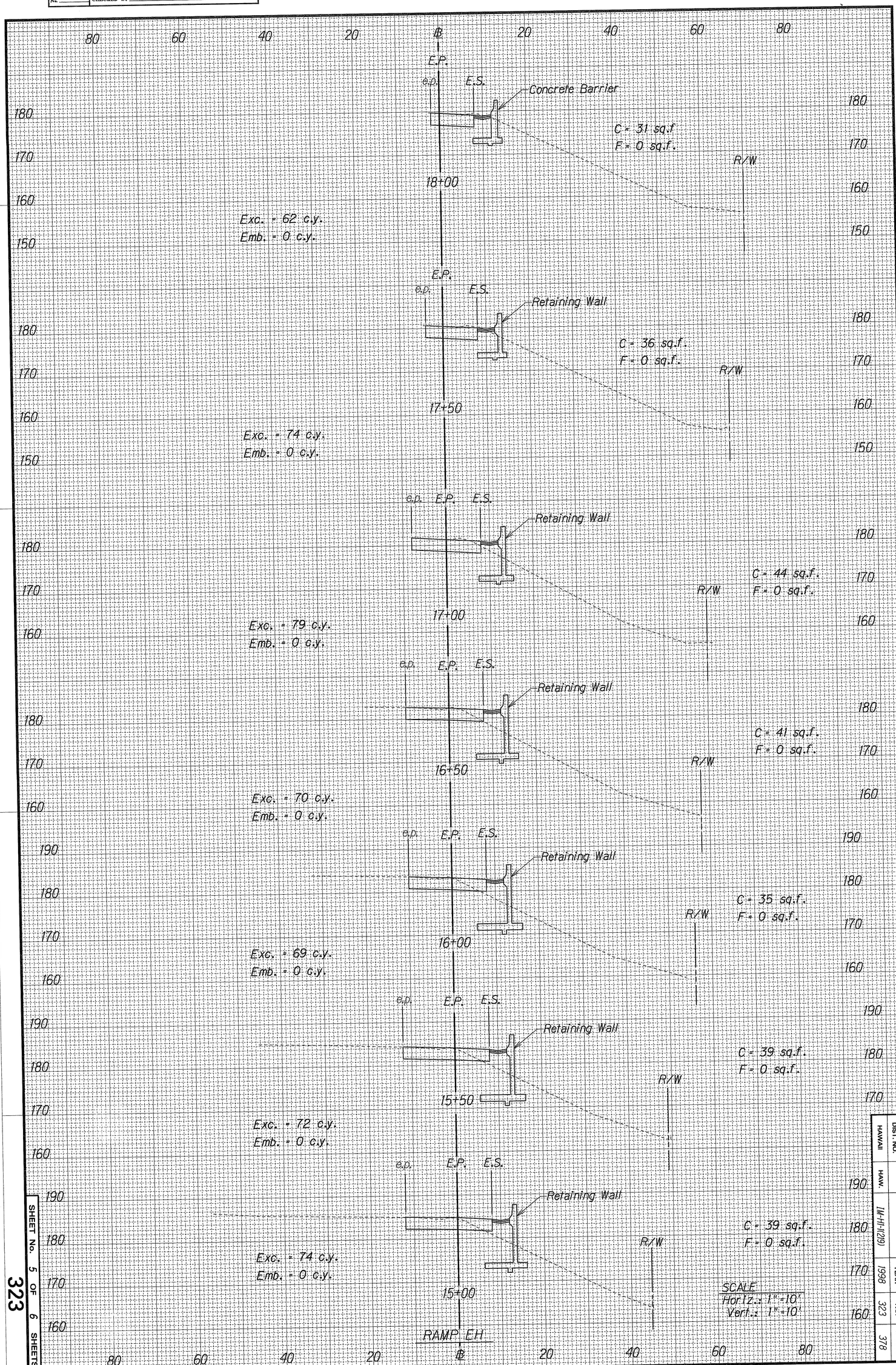
SCALE:
Horiz.: 1" = 10'
Vert.: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-H(219)	1998	322	378

SHEET No. 4 OF 6 SHEETS

322

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE
	DRAWN BY J. Matsunami/K. Tom-Hirota/mh 10-3-97
NOTE BOOK 304/jasqn rampshxs5 No.	TRACED BY _____
	DESIGNED BY J. Fronda, M. Quodala
	QUANTITIES BY _____
	CHECKED BY _____

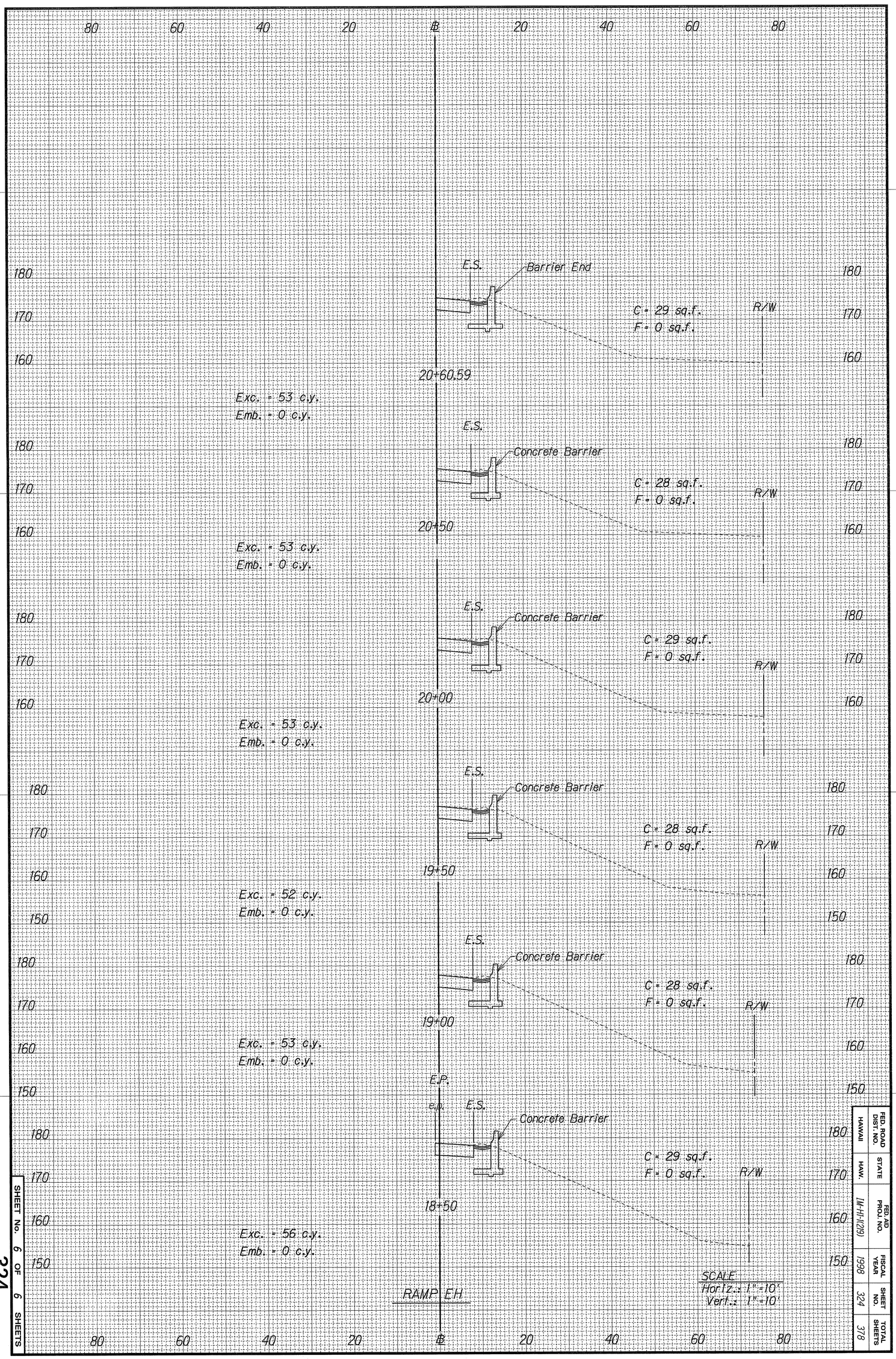


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1(29)	1998	323	378

SHEET No. 5 OF 6 SHEETS

323

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE
	DRAWN BY J. Matsunami/K. Tom-Hirota/mh · 10-3-97
NOTE BOOK dot/jason/ rampehxs6 No.	TRACED BY _____ · _____
	DESIGNED BY J. Fronda, M. Quodala · _____
	QUANTITIES BY _____ · _____
	CHECKED BY _____ · _____

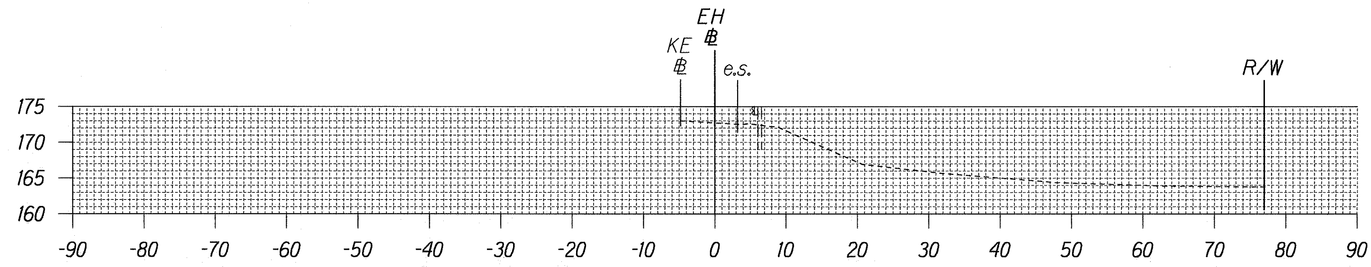


SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

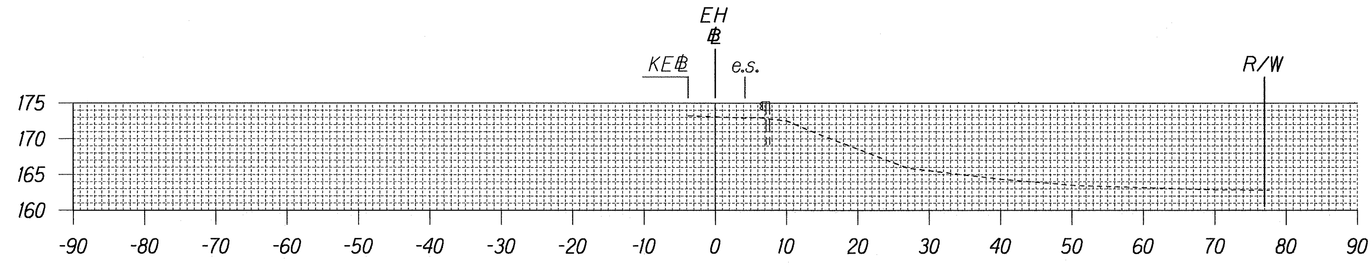
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1(219)	1998	324	378

SHEET No. 6 OF 6 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY mh · 5-25-99
NOTE BOOK	TRACED BY _____ · _____
dd1.mh	DESIGNED BY mx · _____
N. dih1/xs/ rampeh.xs1	QUANTITIES BY _____ · _____
	CHECKED BY _____ · _____



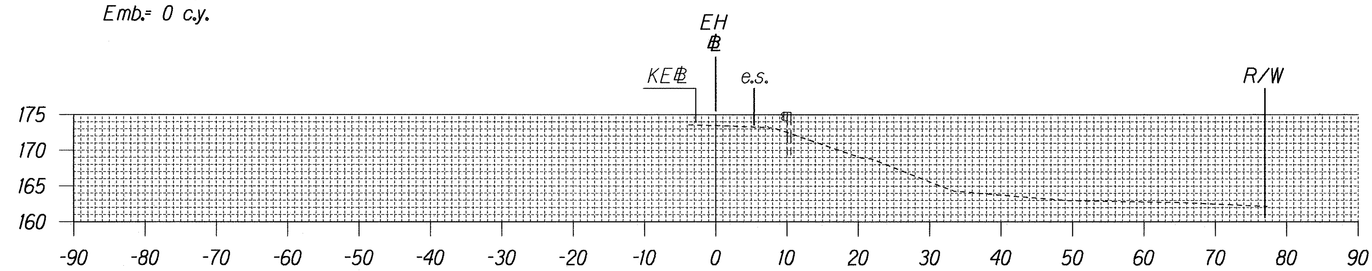
23+00



22+50

C = 0 sq.f.
F = 0 sq.f.

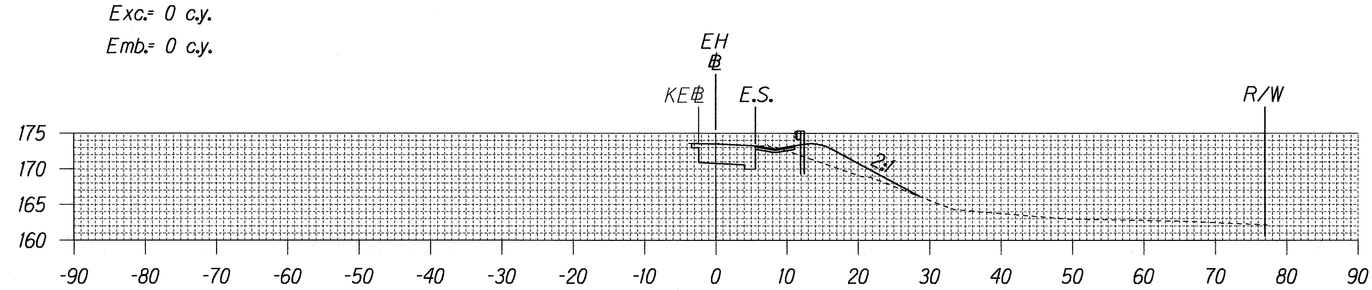
Exc.= 0 c.y.
Emb.= 0 c.y.



22+00

C = 0 sq.f.
F = 0 sq.f.

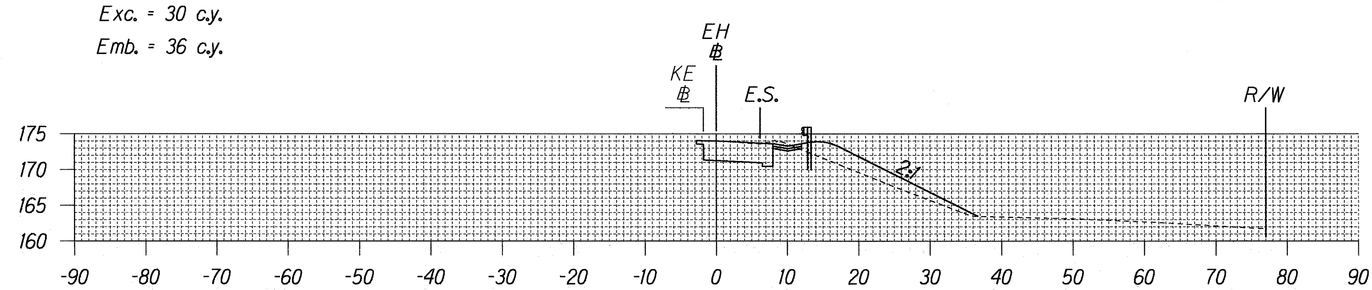
Exc.= 0 c.y.
Emb.= 0 c.y.



21+81

C = 24 sq.f.
F = 23 sq.f.

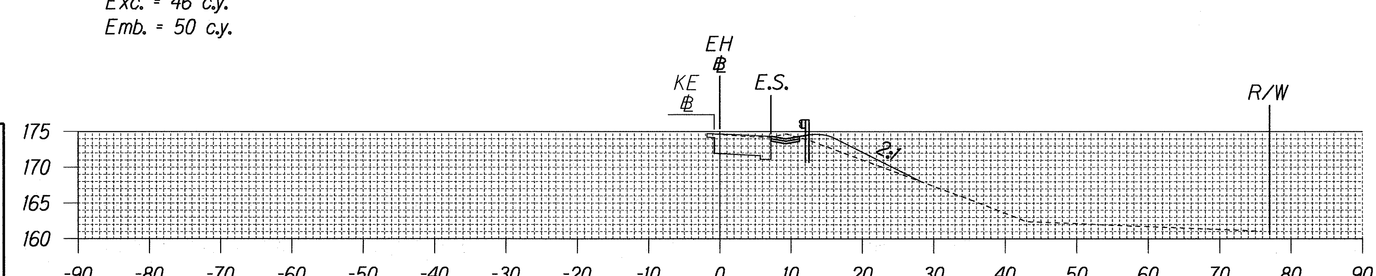
Exc. = 30 c.y.
Emb. = 36 c.y.



21+50

C = 28 sq.f.
F = 39 sq.f.

Exc. = 46 c.y.
Emb. = 50 c.y.



21+00

C = 22 sq.f.
F = 15 sq.f.

Exc. = 37 c.y.
Emb. = 11 c.y.

DATE	REVISION
5-25-99	Added Sheet.

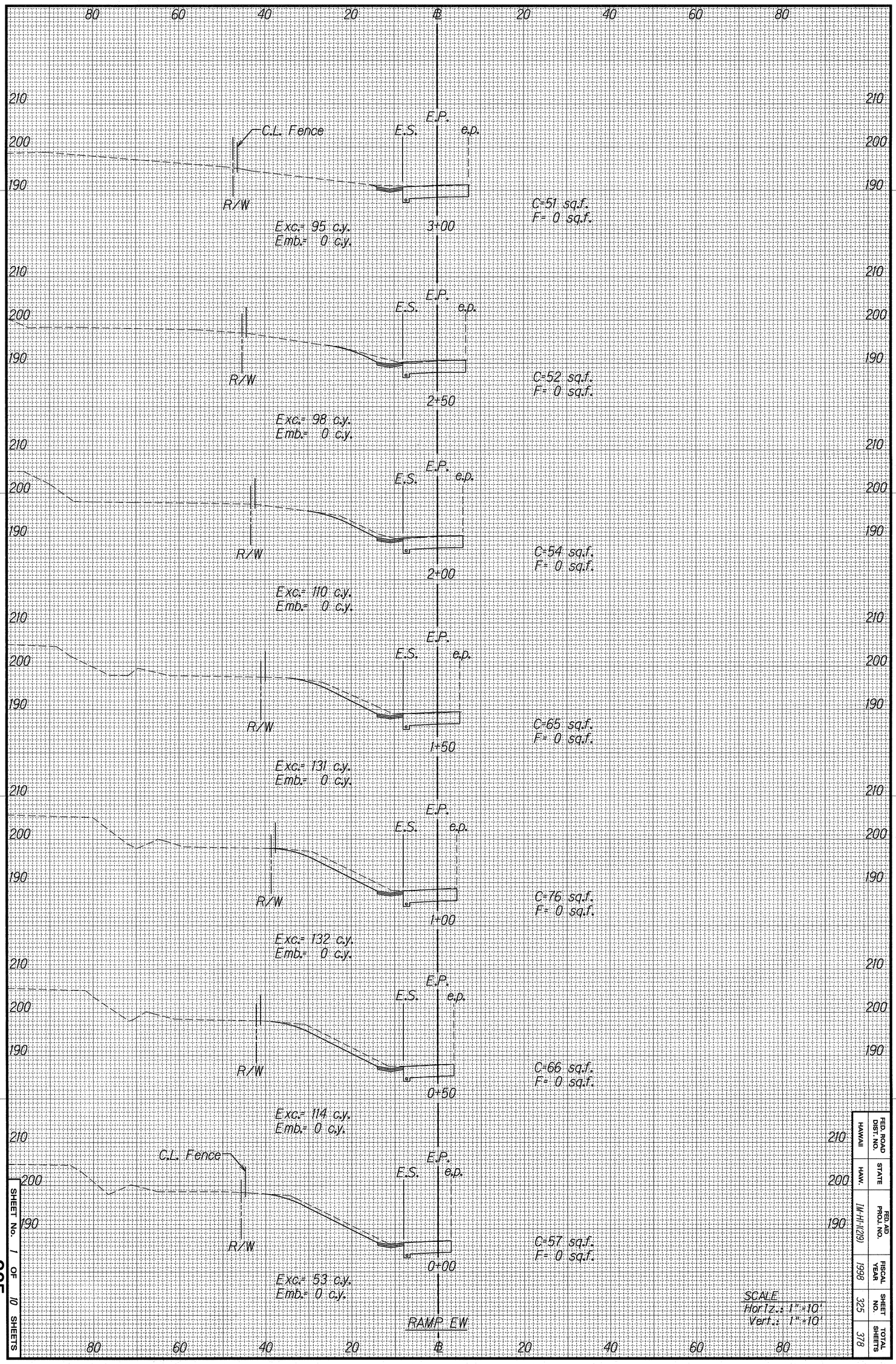
RAMP EH

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(219)	1999	324S-1	378

SHEET No. 51 OF / SHEETS

C.O. 324S-1

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____	
	DRAWN BY G. Alburcio, M. Howells, I.M.	10-3-97
NOTE BOOK dd/mh dlh/dxsew01	TRACED BY _____	
	DESIGNED BY J. Fronda, M. Quodala	
	QUANTITIES BY _____	
	CHECKED BY _____	



SCALE
Horiz.: 1" = 10'
Vert.: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H-1(219)	1998	325	378

SHEET No. 1 OF 10 SHEETS

325

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	326	378

DATE	REVISION
7/17/98	Revised alignment of Type "II" Lined Drainage Ditch

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLANS	SURVEY PLOTTED BY
	DRAWN BY C. Eduarte, M. Howells, J.M. DATE 10-3-97
	TRACED BY
NOTE BOOK data	DESIGNED BY J. Frosda, M. Quedala
	QUANTITIES BY
	CHECKED BY

C=175 sq.f.
F=17 sq.f.
E.P.
E.S.
1½:1
C.L. Fence
R/W
Exc.= 308 c.y.
Emb.= 23 c.y.
6+50
C=158 sq.f.
F=8 sq.f.
e.p.
C=172 sq.f.
F=7 sq.f.
Exc.= 306 c.y.
Emb.= 14 c.y.
6+00
C=147 sq.f.
F=3 sq.f.
Exc.= 295 c.y.
Emb.= 9 c.y.
5+50
C=103 sq.f.
F=2 sq.f.
Exc.= 237 c.y.
Emb.= 5 c.y.
5+00
C=70 sq.f.
F=7 sq.f.
Exc.= 160 c.y.
Emb.= 8 c.y.
4+50
C=35 sq.f.
F=24 sq.f.
Exc.= 97 c.y.
Emb.= 29 c.y.
4+00
C.L. Fence
Exc.= 80 c.y.
Emb.= 22 c.y.
3+50
RAMP EW
exist. pp #12

SHEET No. 2 OF 10 SHEETS

C.O. 326

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	327	378

DATE	REVISION
7/17/98	Revised alignment of Type "I" Lined Drainage Ditch.

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLANS	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY C. Lalicata, M. Hawila, J.M. Elk DATE 10-3-97
	TRACED BY _____
NOTE BOOK dated	DESIGNED BY J. Frodda, M. Quadala
NC hhiksswd03	QUANTITIES BY _____
	CHECKED BY _____

SHEET No. 3 OF 10 SHEETS

C.O. 327

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	328	378

DATE	REVISION
7/17/98	Revised alignment of Type "I" Lined Drainage Ditch.

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

SEE H-1 CROSS SECTIONS FOR M.L.

RAMP EW

C=1008 sq.f.
F= 3 sq.f.
E.S. M.L.
E.P.
E.S.
E.P.
13+50
C.L. Fence
exist. R/W
R/W
Exc.= 1679 c.y.
Emb.= 3 c.y.

C=805 sq.f.
F= 0 sq.f.
E.S. M.L.
E.P.
E.S.
E.P.
13+00
exist. R/W
R/W
Exc.= 1337 c.y.
Emb.= 0 c.y.

C=639 sq.f.
F= 0 sq.f.
e.p.
E.P.
E.S.
E.P.
12+50
exist. R/W
R/W
Exc.= 1106 c.y.
Emb.= 0 c.y.

C=555 sq.f.
F= 0 sq.f.
e.p.
E.P.
E.S.
E.P.
12+00
exist. R/W
R/W
Exc.= 971 c.y.
Emb.= 0 c.y.

C=494 sq.f.
F= 0 sq.f.
e.p.
E.P.
E.S.
E.P.
11+50
exist. R/W
R/W
Exc.= 867 c.y.
Emb.= 0 c.y.

C=442 sq.f.
F= 0 sq.f.
e.p.
E.P.
E.S.
E.P.
11+00
exist. R/W
R/W
Exc.= 796 c.y.
Emb.= 0 c.y.

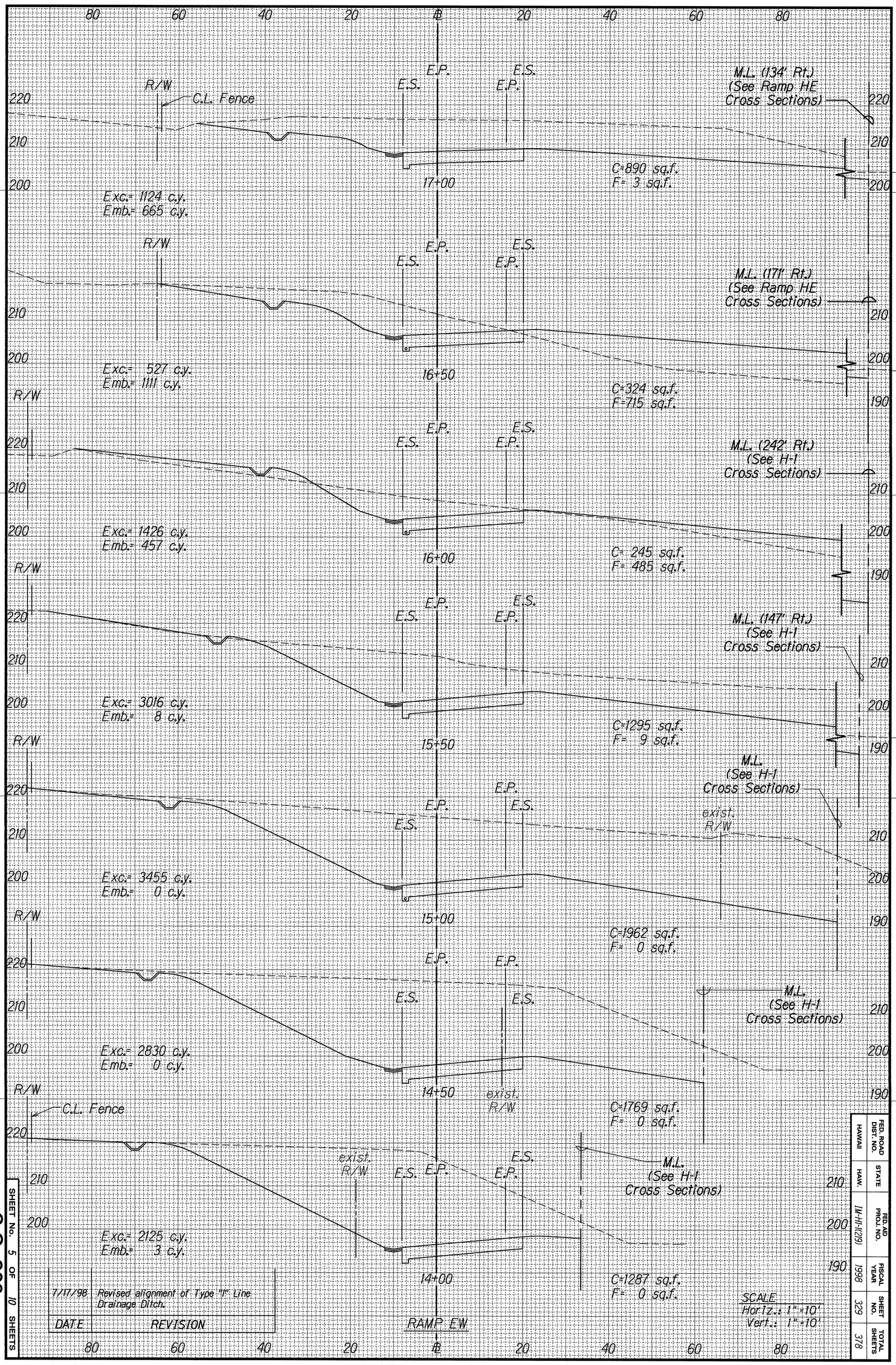
C=418 sq.f.
F= 0 sq.f.
e.p.
E.P.
E.S.
E.P.
10+50
exist. R/W
C.L. Fence
R/W
Exc.= 718 c.y.
Emb.= 0 c.y.

ORIGINAL PLAN	SURVEY PLOTTED BY
	DRAWN BY C. Alfonso, M. Howells, J.M. DATE 10-3-97
	TRACED BY
NOTE BOOK dd/rd/sdw/dg	DESIGNED BY J.L. Fronda, M. Qadalla
	QUANTITIES BY
	CHECKED BY

SHEET No. 4 OF 10 SHEETS

C.O. 328

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY G. Alburcio, MH, I.M. 10-3-97
NOTE BOOK dd1.mh dihl1dxsew05	TRACED BY _____
	DESIGNED BY J. Fronda, M. Quodala
	QUANTITIES BY _____
	CHECKED BY _____



DATE	REVISION
7/17/98	Revised alignment of Type "I" Line Drainage Ditch.

SCALE
Horiz.: 1" =10'
Vert.: 1" =10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1(129)	1998	329	378

SHEET No. 5 OF 10 SHEETS

C.O. 329

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	330	378

(SEE RAMP HE CROSS SECTIONS FOR M.L.)

M.L.

C= 0 sq.f.
F=331 sq.f.

C= 0 sq.f.
F=196 sq.f.

C= 17 sq.f.
F=215 sq.f.

C= 0 sq.f.
F=256 sq.f.

C= 20 sq.f.
F=248 sq.f.

C= 87 sq.f.
F= 81 sq.f.

C=426 sq.f.
F= 1 sq.f.

C.L. Fence

Exc.= 0 c.y.
Emb.= 488 c.y.

Exc.= 16 c.y.
Emb.= 381 c.y.

Exc.= 16 c.y.
Emb.= 436 c.y.

Exc.= 19 c.y.
Emb.= 467 c.y.

Exc.= 99 c.y.
Emb.= 305 c.y.

Exc.= 475 c.y.
Emb.= 76 c.y.

Exc.= 1219 c.y.
Emb.= 4 c.y.

RAMP EW

E.P. E.S. R/W

20+50 20+00 19+50 19+00 18+50 18+00 17+50

100 80 60 40 20 B 20 40 60 80 100

230 220 210 200

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

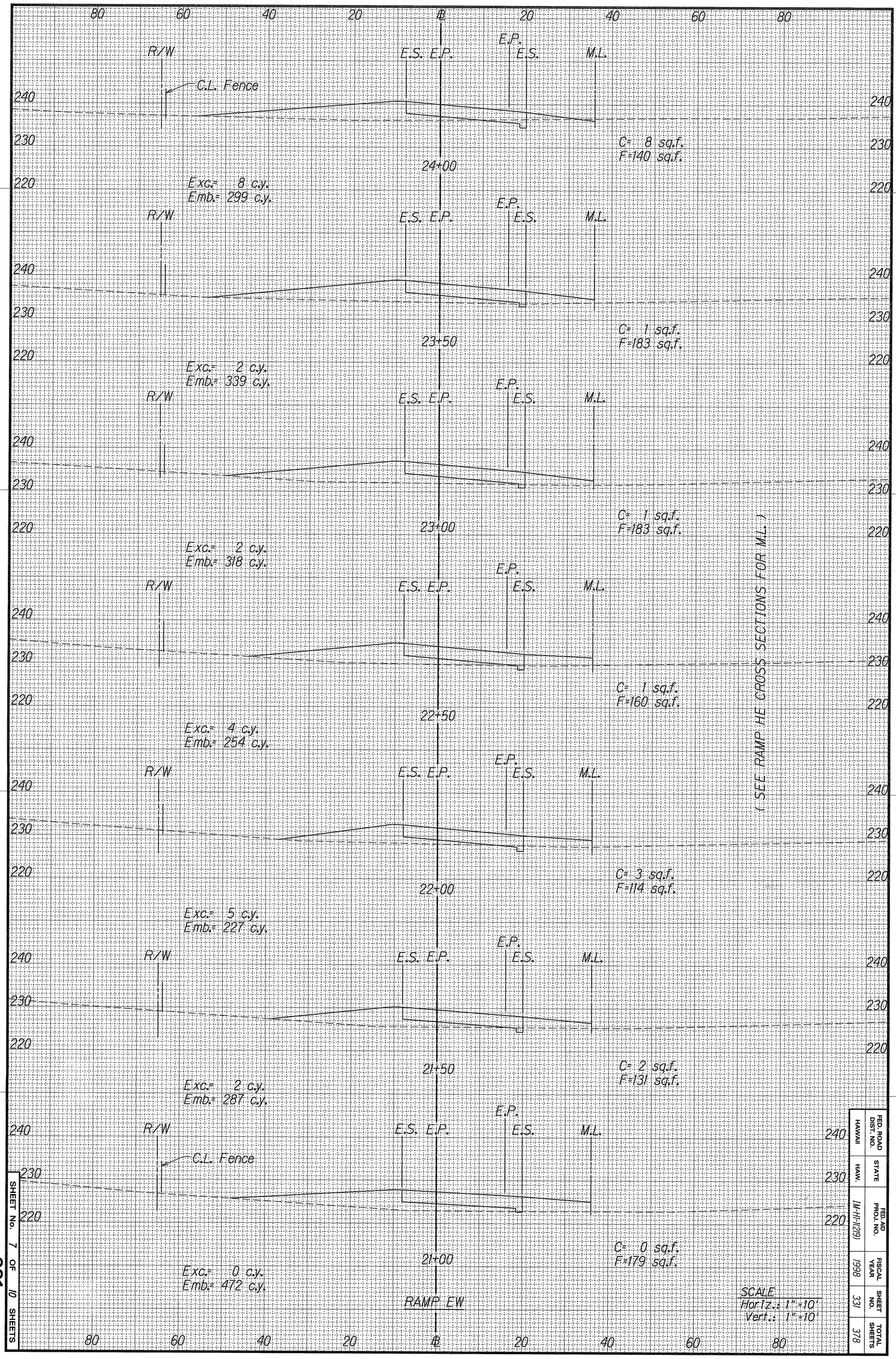
DATE	REVISION
7/17/98	Revised alignment of Type "T" Lined Drainage Ditch at @ Sta. 17+50.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 10-17-97
	DRAWN BY M. Landis, J.M. P.W.	
	TRACED BY	
NOTE BOOK dated/page	DESIGNED BY J. Franda	
	QUANTITIES BY	
No.	CHECKED BY	

SHEET No. 6 OF 10 SHEETS

C.O. 330

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY M. Howells, I.M., P.W.	10-17-97
NOTE BOOK ddl.mn dlhldxsew07 N..	TRACED BY	
	DESIGNED BY J. Fronda	
	QUANTITIES BY	
	CHECKED BY	



SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	331	378

SHEET No. 7 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	332	378

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

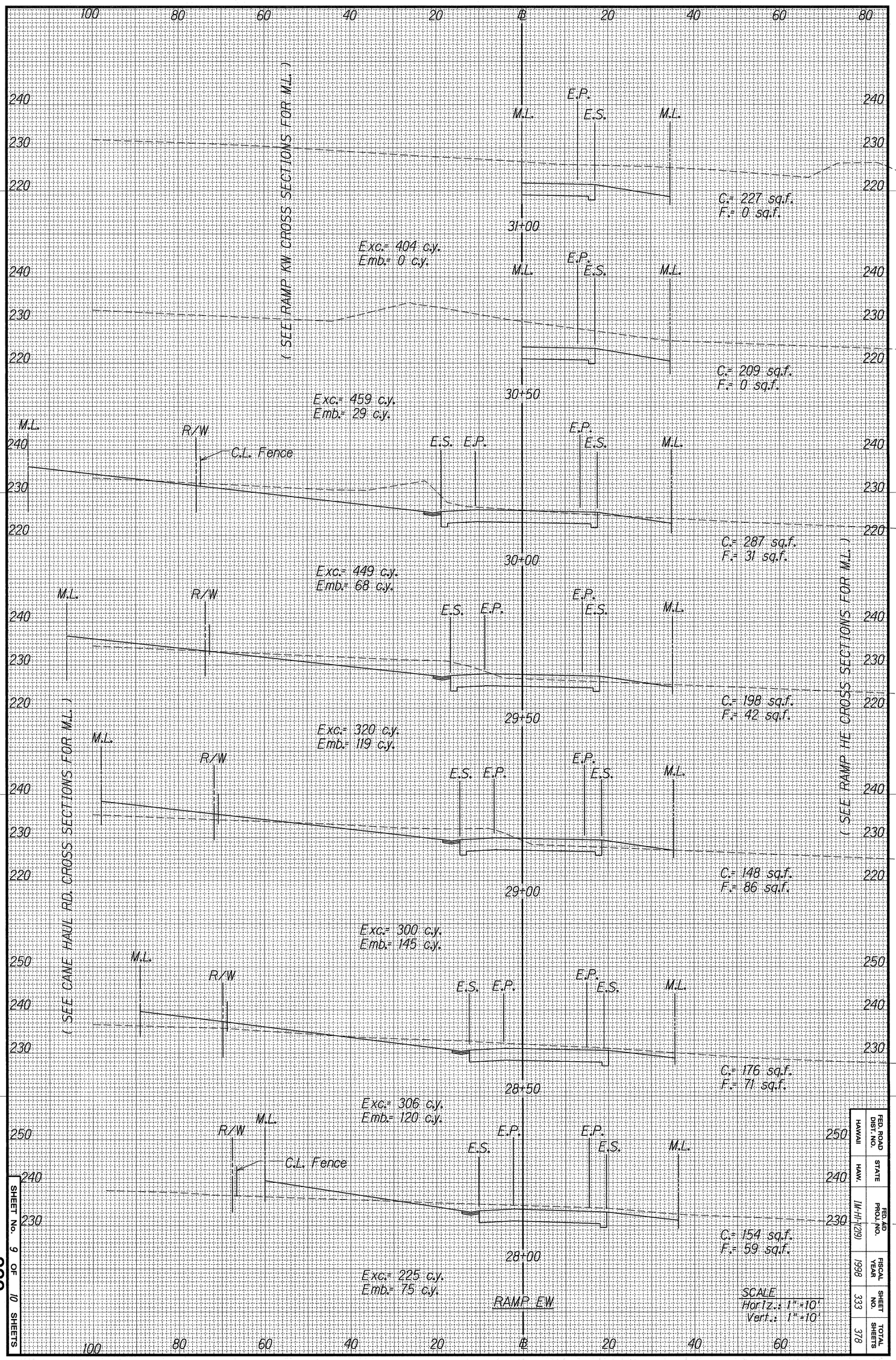
(SEE RAMP HE CROSS SECTIONS FOR M.L.)

(SEE CANE HAUL RD. CROSS SECTIONS FOR M.L.)

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE	10-7-97
	DRAWN BY M.L. Hinanis, P. Wong		
NOTE BOOK dfl.mb/esw/08	TRACED BY		
	DESIGNED BY J. Frondo		
	QUANTITIES BY		
	CHECKED BY		

SHEET No. 8 OF 10 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY M. Howells, P. Wong : 10-7-97
NOTE BOOK ddl.mh	TRACED BY _____ : _____
	DESIGNED BY J. Fronda : _____
N dlhldxsew09	QUANTITIES BY _____ : _____
	CHECKED BY _____ : _____



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H-1-(219)	1998	333	378

SHEET No. 9 OF 10 SHEETS

333

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	334	378

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

(SEE RAMP HE CROSS SECTIONS FOR M.L.)

(SEE RAMP KW CROSS SECTIONS FOR M.L.)

C.= 97 sq.f.
F.= 5 sq.f.

C.= 76 sq.f.
F.= 7 sq.f.

C.= 41 sq.f.
F.= 5 sq.f.

C.= 68 sq.f.
F.= 3 sq.f.

C.= 215 sq.f.
F.= 0 sq.f.

C.= 217 sq.f.
F.= 0 sq.f.

E.S. E.P. M.L.

Exc.= 160 c.y.
Emb.= 11 c.y.

Exc.= 108 c.y.
Emb.= 11 c.y.

Exc.= 101 c.y.
Emb.= 7 c.y.

Exc.= 262 c.y.
Emb.= 3 c.y.

Exc.= 400 c.y.
Emb.= 0 c.y.

Exc.= 411 c.y.
Emb.= 0 c.y.

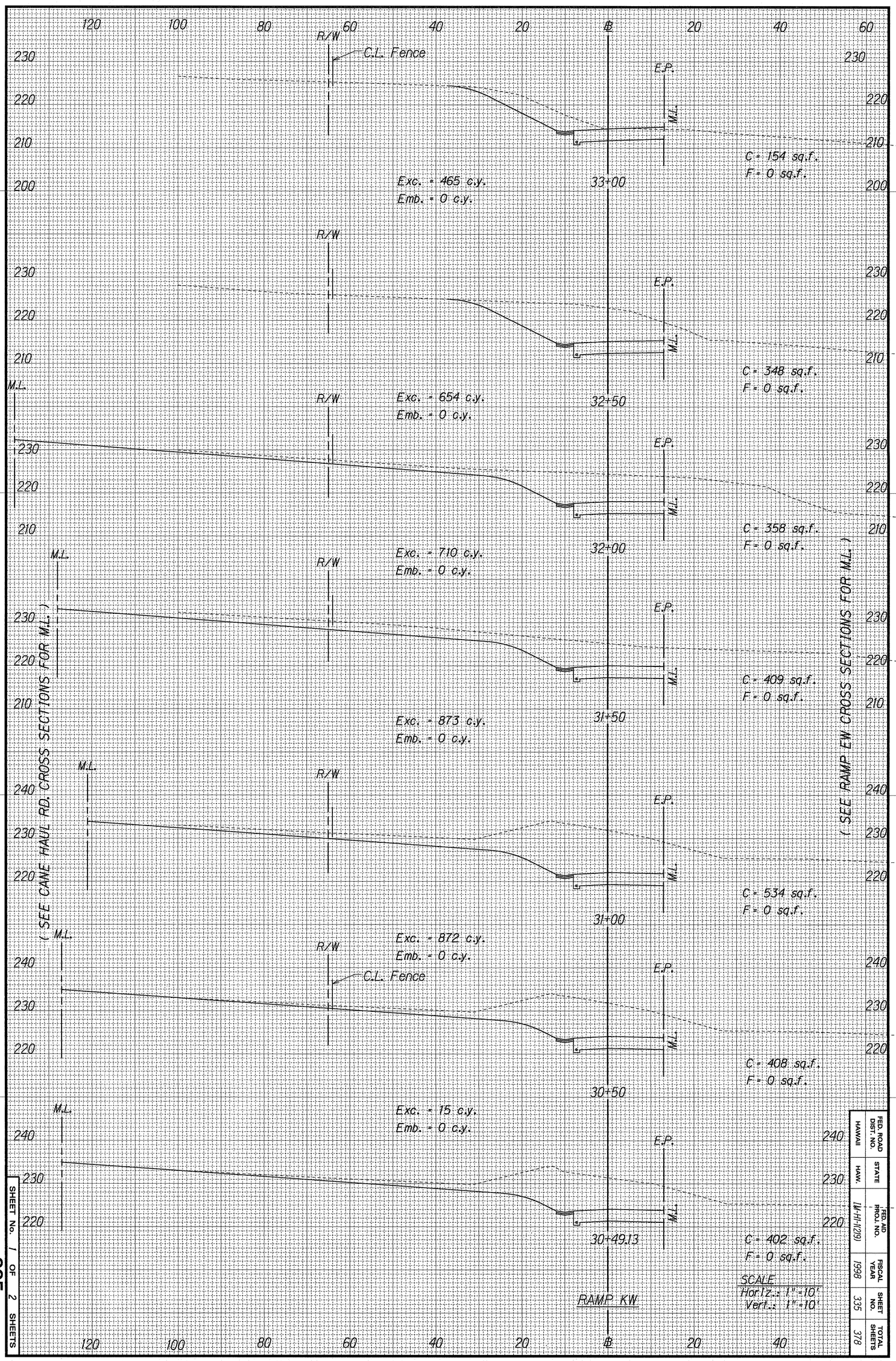
34+50 34+00 33+50 33+00 32+50 32+00 31+50

RAMP EW

ORIGINAL PLAN	SURVEY PLOTTED BY
	DRAWN BY M. Edwards
NOTE BOOK	TRACED BY
	DESIGNED BY J. Frosch
	QUANTITIES BY
	CHECKED BY
	DATE 10-3-97

SHEET No. 10 OF 10 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY J. Matsumami, mh 10-7-97
NOTE BOOK ddl,mh/dlhl/xs	TRACED BY _____
Lampkwxsl.dgn	DESIGNED BY J. Fronda, R. Sequeira
No. _____	QUANTITIES BY _____
	CHECKED BY _____

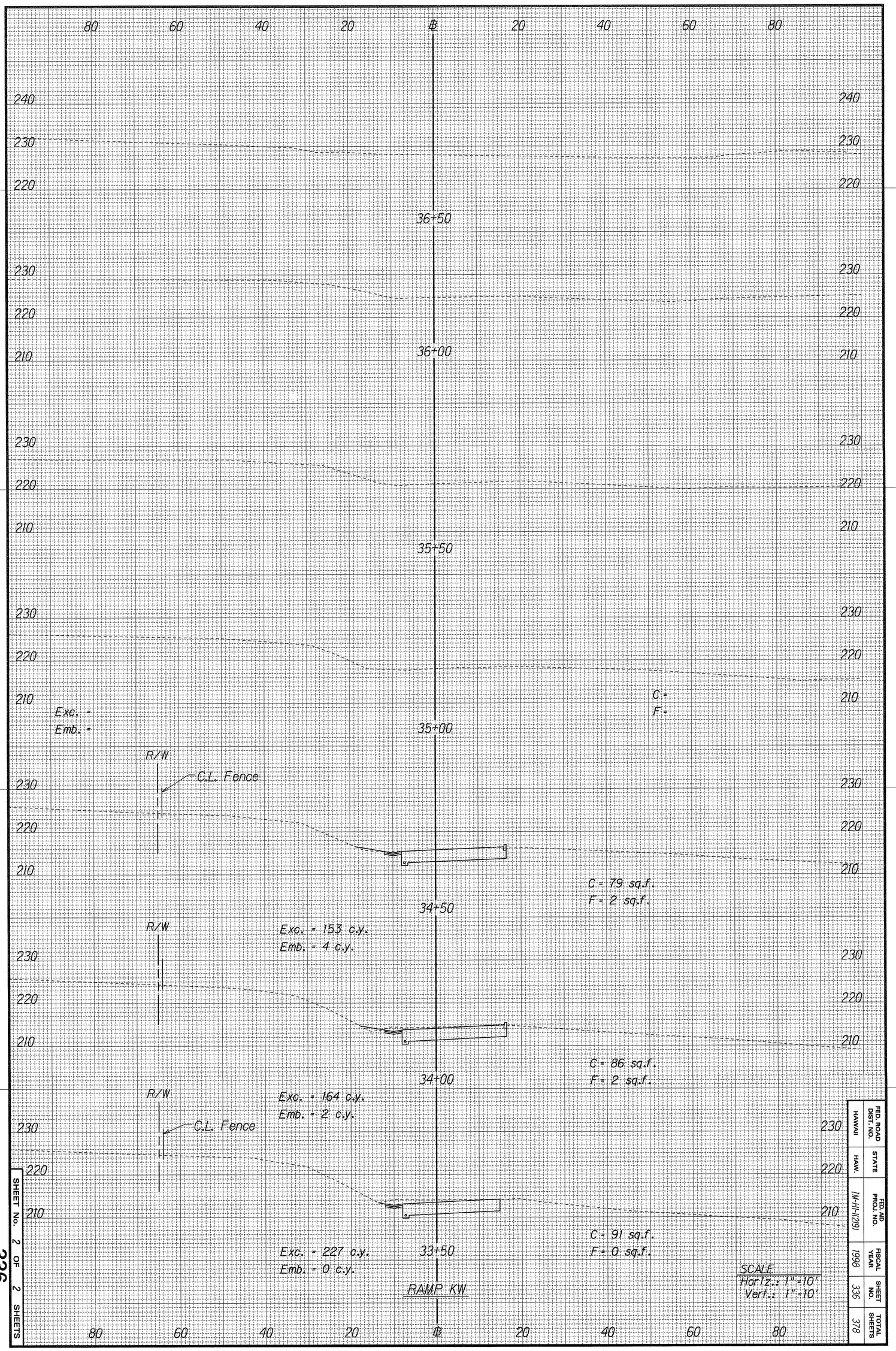


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	IM-HI-(019)	1998	335	378

SHEET No. 1 OF 2 SHEETS

335

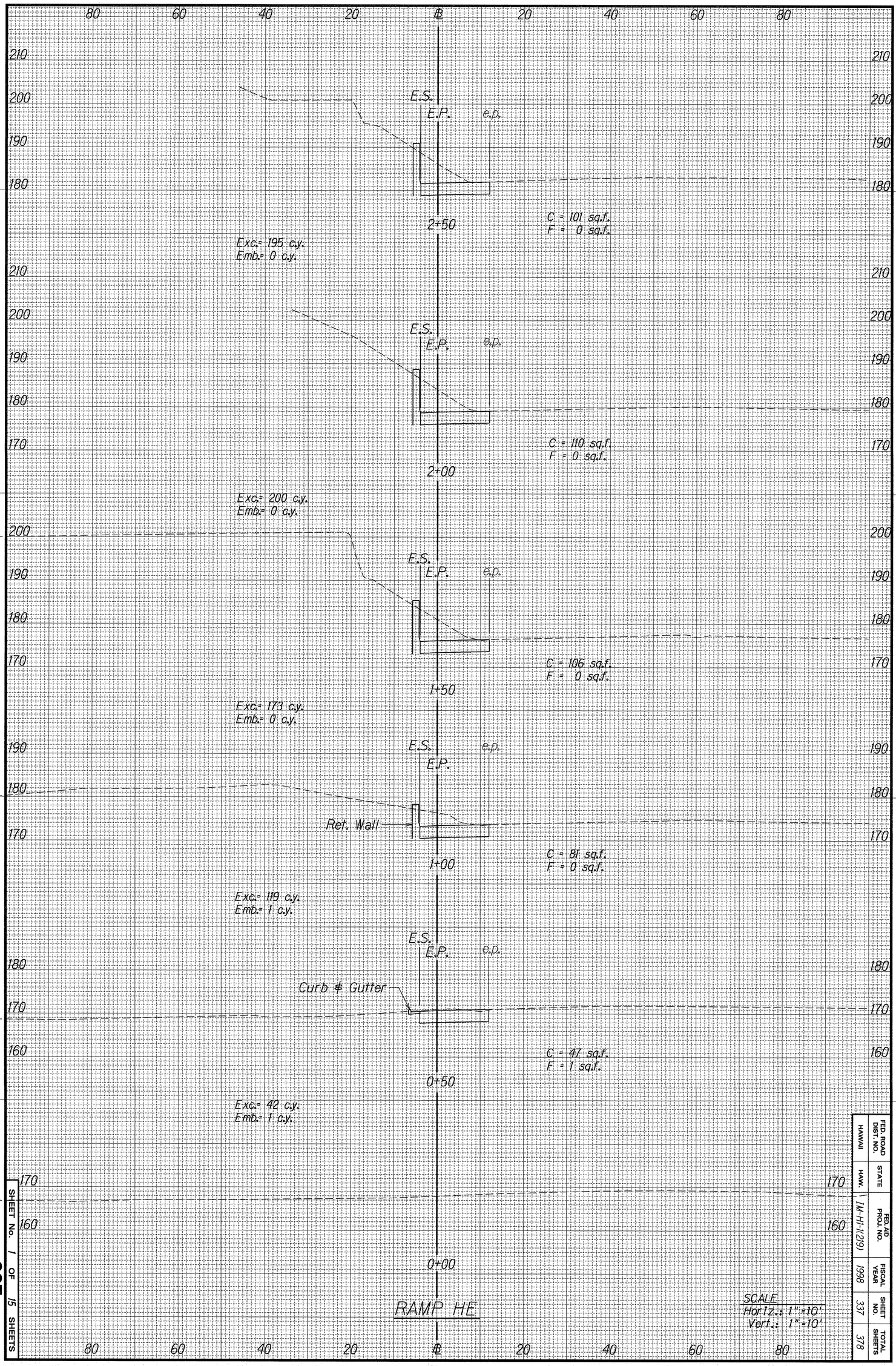
ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE
	DRAWN BY J. Matsunami, mh · 10-17-97
NOTE BOOK dd1,mk/dhf/ss rampkwxs2.dgn No.	TRACED BY _____ · _____
	DESIGNED BY J. Fronda, R. Sequeira · _____
	QUANTITIES BY _____ · _____
	CHECKED BY _____ · _____



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-(219)	1998	336	378

SHEET No. 2 OF 2 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY C. Kawanishi, K. Tom-Hirota, M. Howells · 10-6-97
NOTE BOOK dditnh	TRACED BY _____ · _____
	DESIGNED BY M. Quidoles · _____
No. dlMdxshe00	QUANTITIES BY _____ · _____
	CHECKED BY _____ · _____



SCALE
Horiz.: 1" = 10'
Vert.: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	337	378

SHEET No. 1 OF 15 SHEETS

337

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	338	378

(SEE RAMP EW CROSS SECTIONS FOR M.L.)

M.L.

E.P. E.S.

C = 341 sq.f.
F = 0 sq.f.

Exc.= 531 c.y.
Emb.= 0 c.y.

E.P. E.S.

C = 233 sq.f.
F = 0 sq.f.

Exc.= 338 c.y.
Emb.= 0 c.y.

E.P. E.S. e.p.

C = 132 sq.f.
F = 0 sq.f.

Exc.= 214 c.y.
Emb.= 0 c.y.

E.P. E.S. e.p.

C = 99 sq.f.
F = 0 sq.f.

Exc.= 189 c.y.
Emb.= 0 c.y.

E.P. E.S. e.p.

C = 105 sq.f.
F = 0 sq.f.

10:1

Exc.= 175 c.y.
Emb.= 0 c.y.

E.P. E.S. e.p.

C = 84 sq.f.
F = 0 sq.f.

Exc.= 127 c.y.
Emb.= 2 c.y.

E.P. E.S. e.p.

C = 53 sq.f.
F = 2 sq.f.

Exc.= 143 c.y.
Emb.= 2 c.y.

Ret. Wall

RAMP HE

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

6+00 5+50 5+00 4+50 4+00 3+50 3+00

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY K. Tomihiro, M. Howells	10-6-97
NOTE BOOK	TRACED BY	
	DESIGNED BY M. Quezada	
	QUANTITIES BY	
	CHECKED BY	

SHEET No. 2 OF 15 SHEETS

(SEE RAMP EW CROSS SECTIONS FOR M.L.)

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	339	339

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

RAMP HE

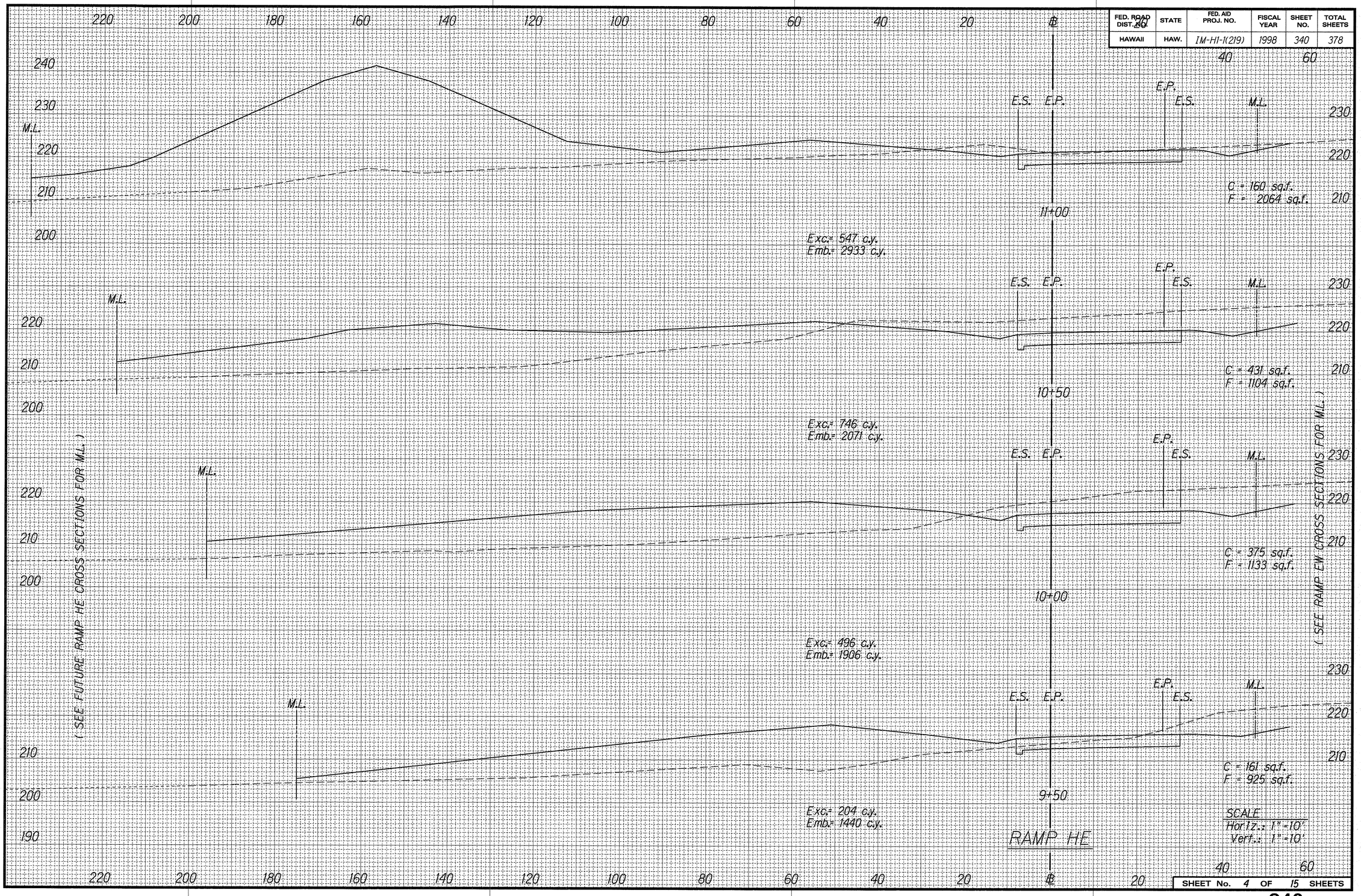
ORIGINAL PLAN	
NOTE: DOZE drump	
No. Withdrawn	

SURVEY PLOTTED BY K. Tomishiro, M. Howells DATE 10-6-97
DRAWN BY K. Tomishiro, K. Tomishiro, M. Howells
TRACED BY
DESIGNED BY M. Quizelda
QUANTITIES BY
CHECKED BY

SHEET No. 3 OF 15 SHEETS

339

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	340	378



ORIGINAL PLAN	SURVEY PLOTTED BY — DATE
	DRAWN BY S. Iwamoto & Tom Hinata, MH-JM Co. — 12-6-97
NOTE BOOK dd.mh	TRACED BY M. Quindala
	DESIGNED BY —
	QUANTITIES BY —
	CHECKED BY —

SHEET No. 4 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	341	378

(SEE FUTURE RAMP HE CROSS SECTIONS FOR M.L.)

320 300 280 260/180 160 140 120 100 80 60 40 20 ℄ 20 40

M.L. 230 220 210

C = 104 sq.f.
F = 324 sq.f.

E.S. E.P. E.P. E.S. M.L. 240 230 220

13+00

Exc.= 428 c.y.
Emb.= 591 c.y.

M.L. 230 220 210

C = 358 sq.f.
F = 314 sq.f.

E.S. E.P. E.P. E.S. M.L. 240 230 220

12+50

Exc.= 463 c.y.
Emb.= 609 c.y.

M.L. 230 220 210

C = 142 sq.f.
F = 344 sq.f.

E.S. E.P. E.P. E.S. M.L. 230 220 210

12+00

Exc.= 140 c.y.
Emb.= 1521 c.y.

320 300 280 260/180
240 220 200 180

M.L. 230 220 210

C = 9 sq.f.
F = 1299 sq.f.

E.S. E.P. E.P. E.S. M.L. 230 220 210

11+50

Exc.= 156 c.y.
Emb.= 3114 c.y.

RAMP HE

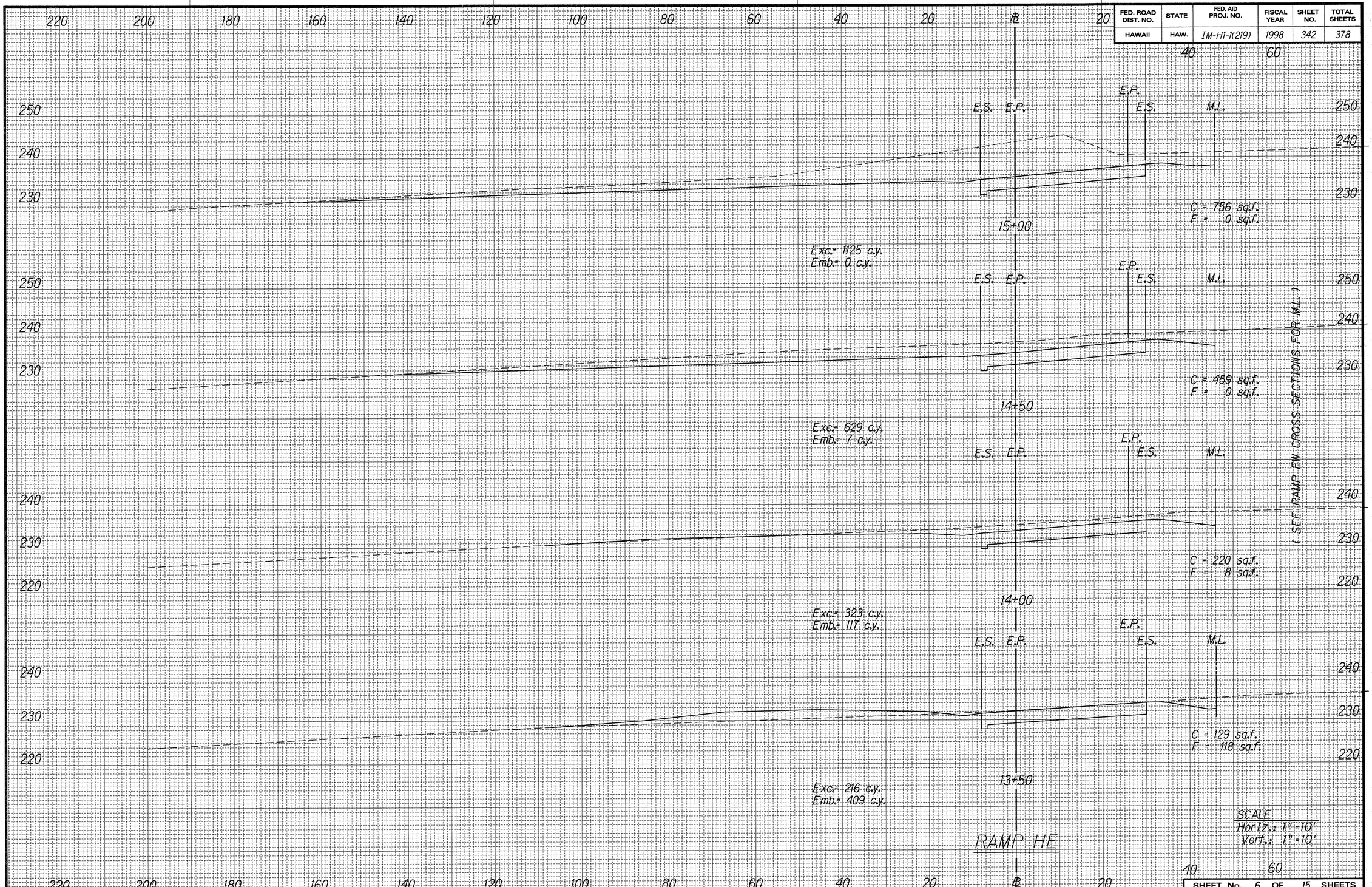
SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

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

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 10-6-97
	DRAWN BY K. Tomihiro, MH, LM	
	CHECKED BY	
NOTE BOOK dd dd dd	TRACED BY M. Woodbig	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

SHEET No. 5 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	342	378

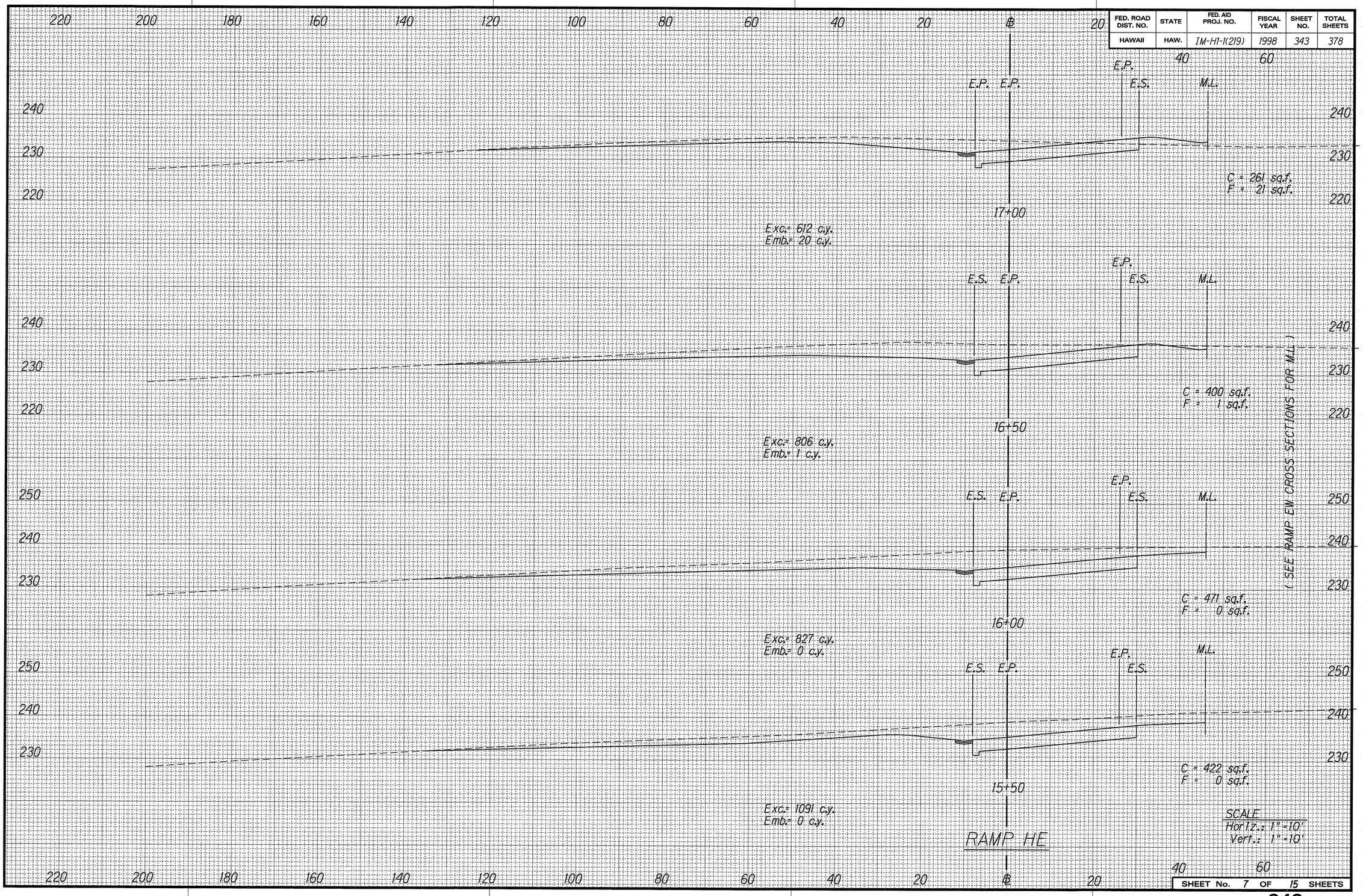


ORIGINAL PLANS	SURVEY PLOTTED BY	DATE
	DRAWN BY Edmond L. Tomitota, MI, EM.	10-13-97
	CHECKED BY	
NOTE BOOK dated	TRACED BY	
	DESIGNED BY M. Quadalla	
	QUANTITIES BY	
N:\hi\dsched5	CHECKED BY	

SHEET No. 6 OF 15 SHEETS

342

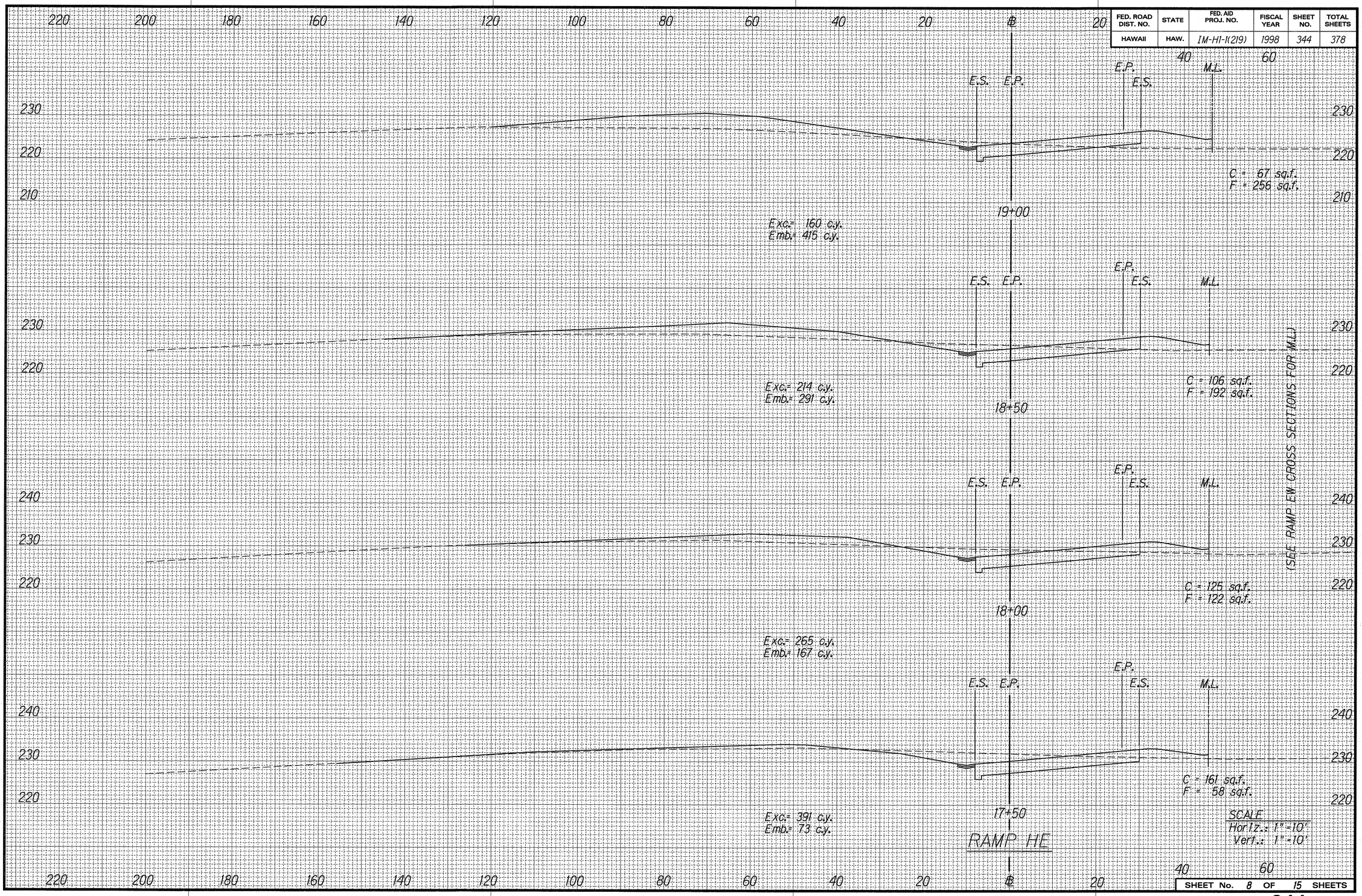
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	343	378



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 10-6-97
	DRAWN BY Cabanilla, K. Tomitsuka, MH, JH, EB	
	TRACED BY	
NOTE BOOK Various	DESIGNED BY M. Quadalla	
No. dhhdsfhdfd	QUANTITIES BY	
	CHECKED BY	

SHEET No. 7 OF 15 SHEETS

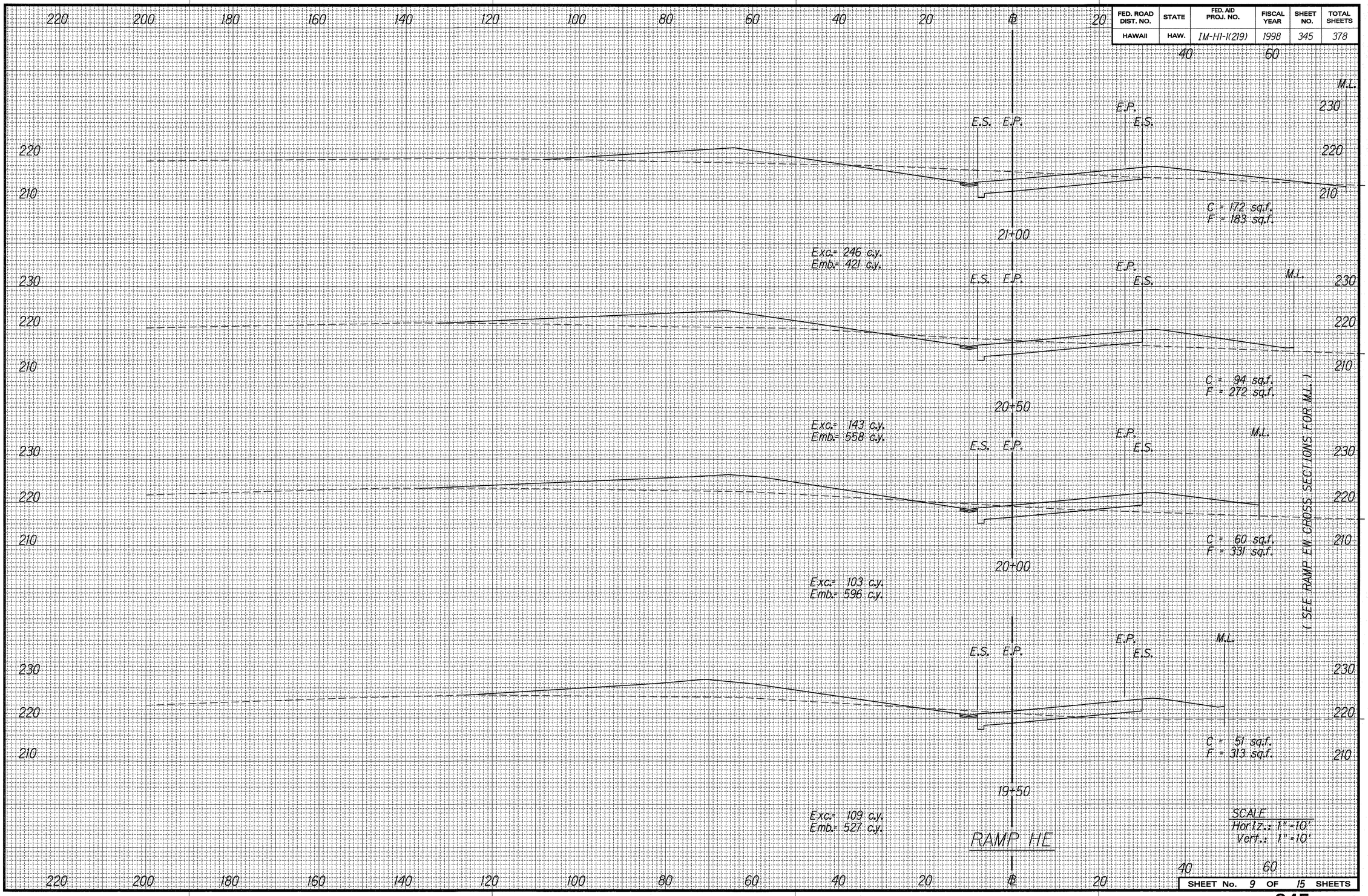
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	344	378



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 10-6-97
	DRAWN BY K. Tanimoto, K. Tanimoto, WH, MI	
NOTE: BOX CULVERTS	TRACED BY	
	DESIGNED BY M. Ciriello	
	QUANTITIES BY	
	CHECKED BY	

SHEET No. 8 OF 15 SHEETS

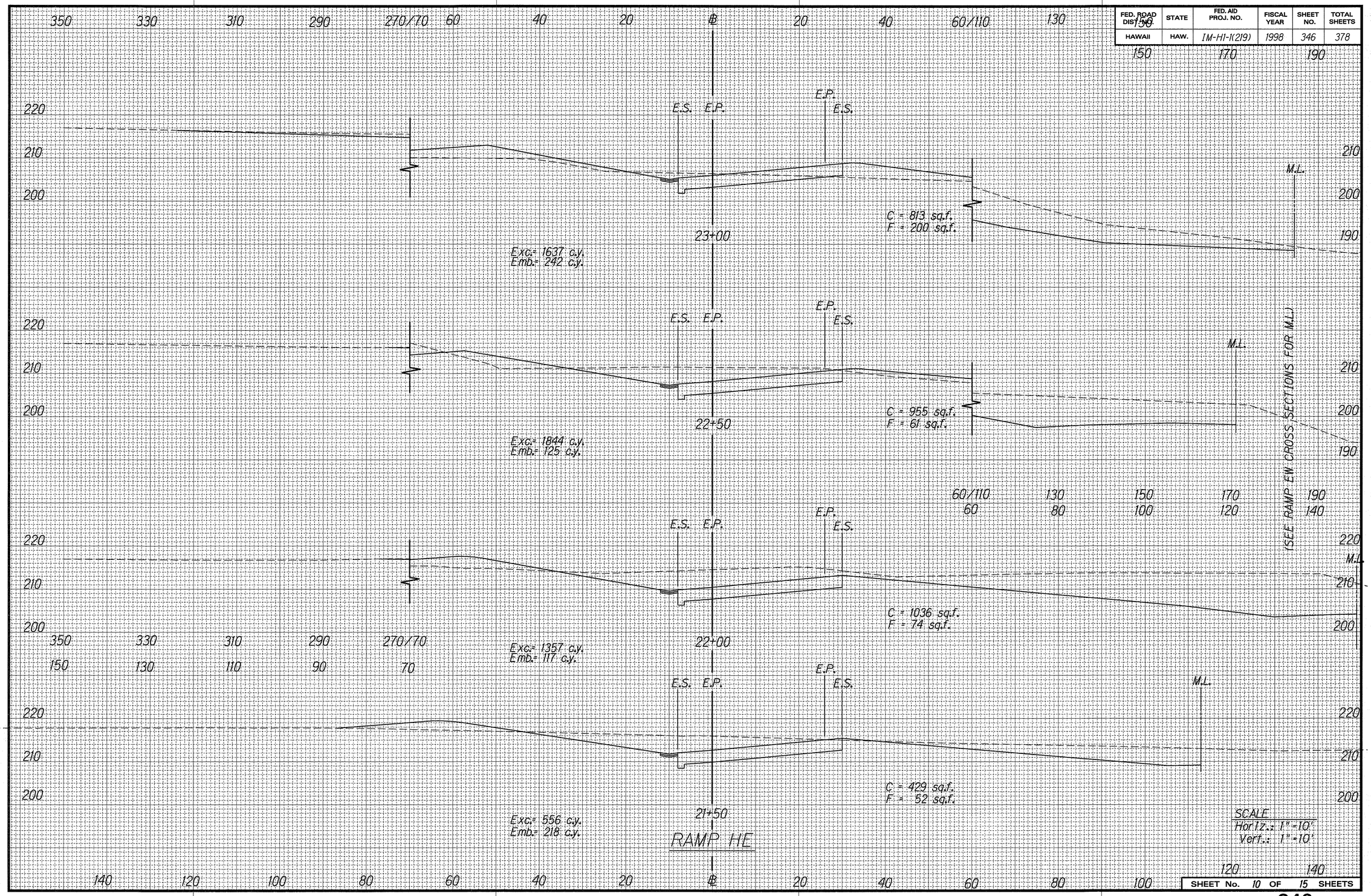
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	345	378



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY C. Kawamoto, K. Tom-Hirota, M. Howells, J.M.	12-13-97
NOTE BOX ADDITIONS OR ALTERATIONS SHOWN THIS SHEET	TRACED BY M. Quidilla	
	DESIGNED BY dd/mh	
	QUANTITIES BY	
	CHECKED BY	

SHEET No. 9 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	346	378



ORIGINAL PLANS	SURVEY PLOTTED BY	DATE 10-15-97
	DRAWN BY G. Kawasaki, K. Tanimoto, etc.	
	TRACED BY	
NOTE BOOK dated	DESIGNED BY M. Quodato	
	QUANTITIES BY	
No. thick sheets	CHECKED BY	

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 10 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	347	378

330 310 290 270/90 80 60 40 20 ℄ 20 40 60 80 100 120

210 200 190

E.S. E.P. E.P. E.S. M.L.

C= 624 sq.f.
F.= 152 sq.f.

25+00

Exc.= 915 c.f.
Emb.= 573 c.y.

E.S. E.P. E.P. E.S. M.L.

C.= 364 sq.f.
F.= 467 sq.f.

24+50

Exc.= 619 c.y.
Emb.= 1018 c.y.

E.S. E.P. E.P. E.S. M.L.

(SEE HI CROSS SECTIONS FOR M.L.)

C.= 305 sq.f.
F.= 632 sq.f.

24+00

Exc.= 607 c.y.
Emb.= 895 c.y.

E.S. E.P. E.P. E.S. M.L.

100/130 150

C.= 351 sq.f.
F.= 335 sq.f.

23+50

Exc.= 1078 c.y.
Emb.= 495 c.y.

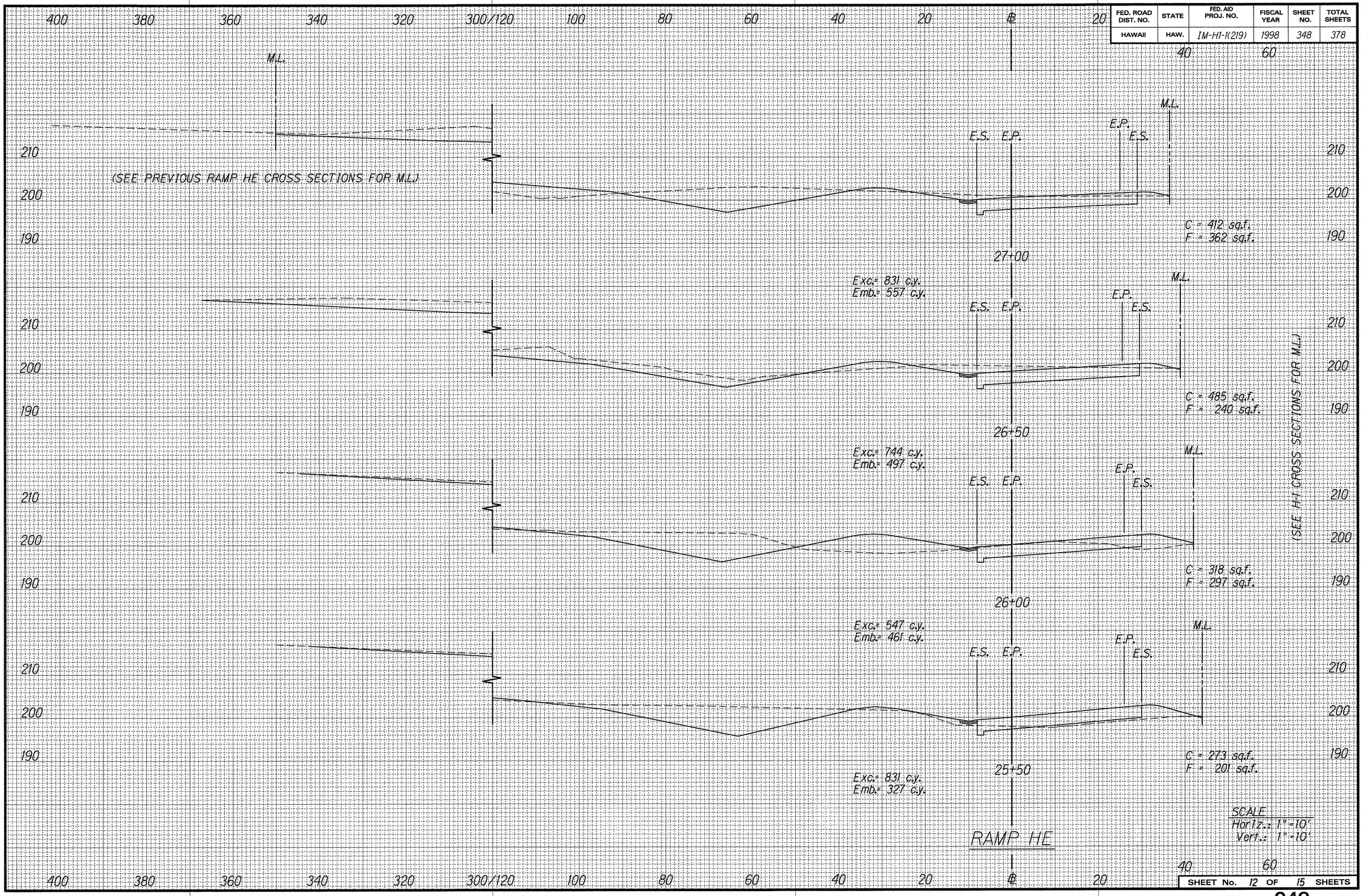
RAMP HE

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLANS	SURVEY PLOTTED BY	DATE
	DRAWN BY Leonardo L. Tres-Hinos, MS, LIA	10-13-97
NOTE BOOK dated	TRACED BY M. Quadalla	
N/A dhd/cshelf	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

SHEET No. 11 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	348	378



ORIGINAL PLANS

SURVEY PLOTTED BY: Wilson, K. Tom-Hirota, M.N. LM — DATE: 10-6-97
DRAWN BY: M. Kawano
TRACED BY:
DESIGNED BY: M. Quadalla
QUANTITIES BY: M. Quadalla
CHECKED BY:
NOTE BOOK: dlh/dsehell

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

SHEET No. 12 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	349	378

340 320 300 280 260 240 220 200 180/80 60 40 20 | 20 40

230
220
210
200
M.L.

E.S. E.P. E.P. e.p.

C.= 236 sq.f.
F.= 2065 sq.f.

29+00

Exc.= 428 c.y.
Emb.= 3634 c.y.

M.L.

E.S. E.P. E.P. e.p.

C.= 226 sq.f.
F.= 1860 sq.f.

28+50

Exc.= 404 c.y.
Emb.= 2504 c.y.

(SEE PREVIOUS RAMP HE CROSS SECTIONS FOR M.L.)

M.L.

E.S. E.P. E.P. M.L.

C.= 210 sq.f.
F.= 844 sq.f.

28+00

Exc.= 473 c.y.
Emb.= 1330 c.y.

(SEE H-1 CROSS SECTIONS FOR M.L.)

M.L.

E.S. E.P. E.P. M.L.

C.= 301 sq.f.
F.= 592 sq.f.

27+50

Exc.= 660 c.y.
Emb.= 883 c.y.

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

RAMP HE

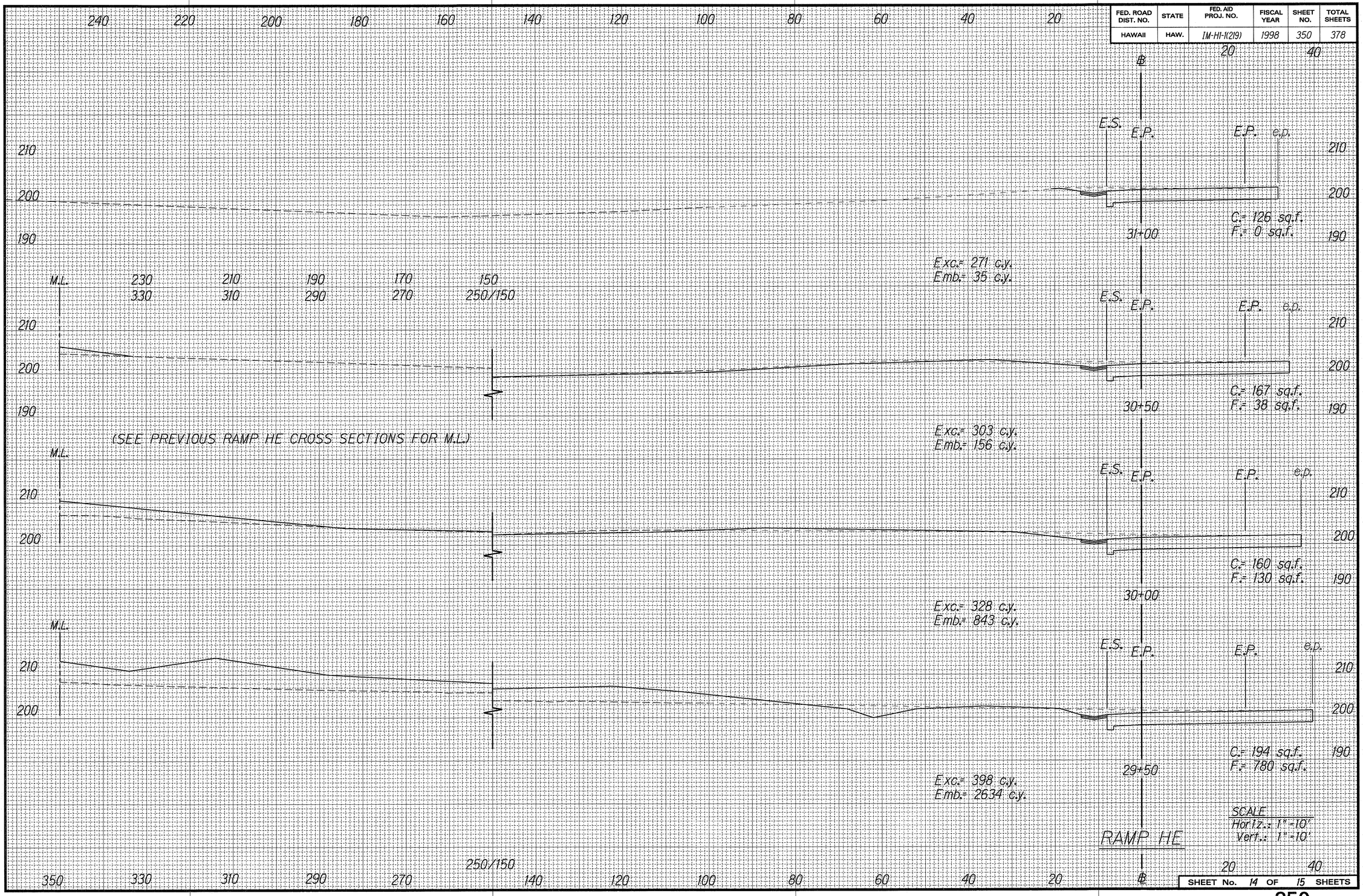
℄

340 320 300 280 260 240 220 200 180/80 60 40 20 | 20 40

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 10-1-97
	DRAWN BY G. Cravens/S. K. Tom-Hirata, MH	
NOTE BOOK data obtained	TRACED BY	
	DESIGNED BY M. Quidilla	
	QUANTITIES BY	
No.	CHECKED BY	

SHEET No. 13 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	350	378

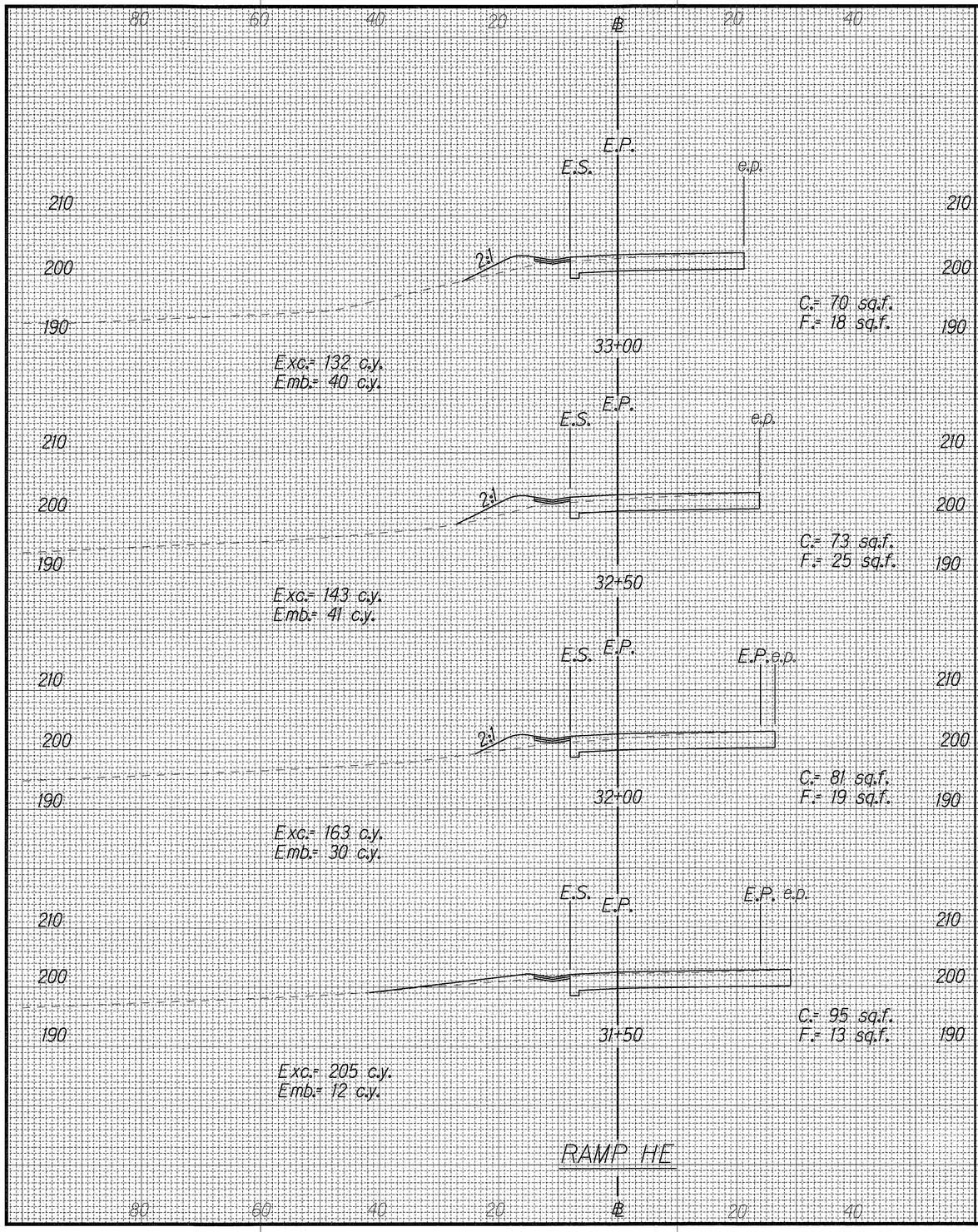


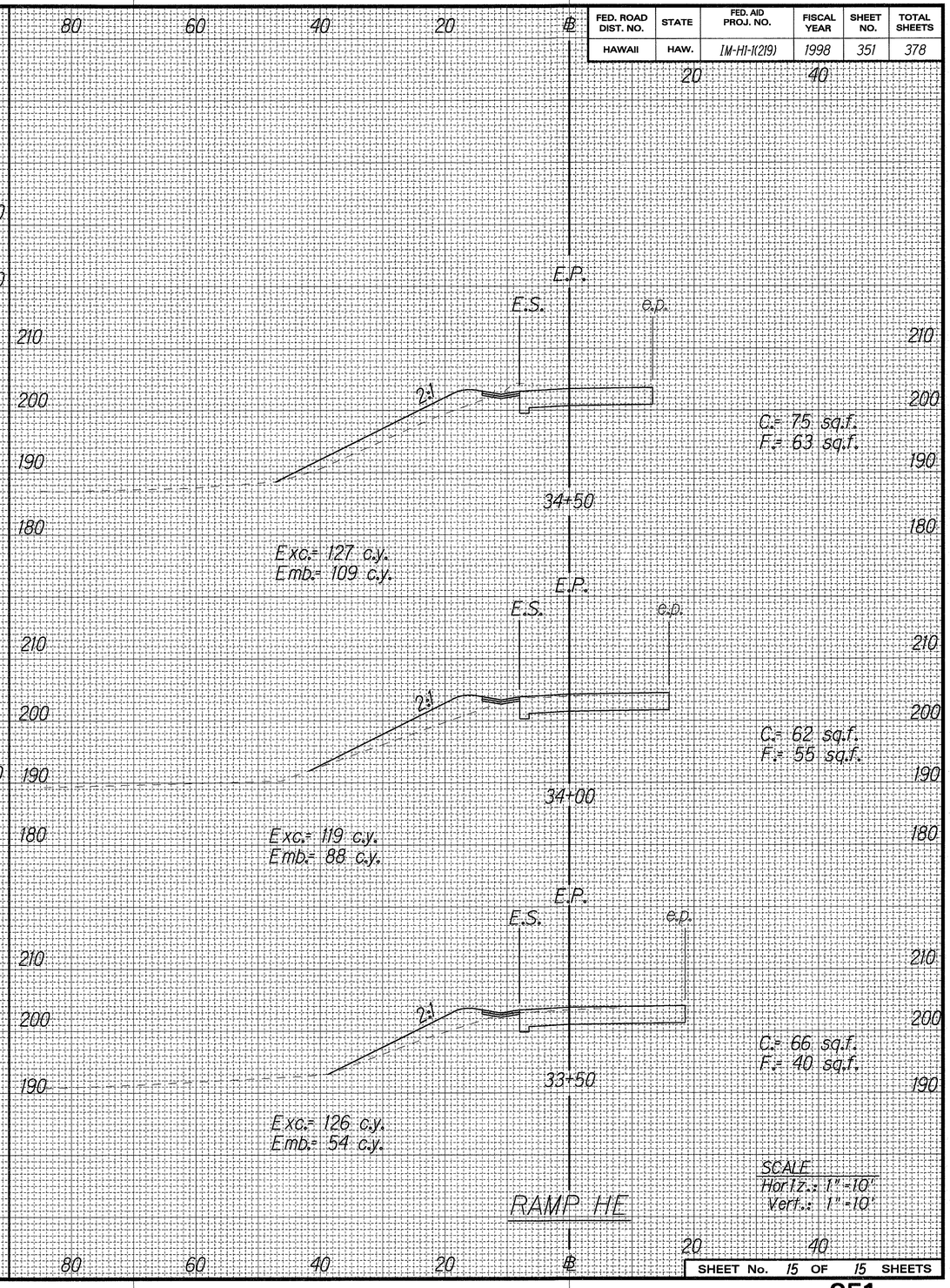
ORIGINAL PLAN

SURVEY PLOTTED BY
DRAWN BY K. Tom-Hirota, MH DATE 10-5-97
TRACED BY
DESIGNED BY M. Quiolas
QUANTITIES BY
CHECKED BY
NOTE BOOK dated
No. attached

SHEET No. 14 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	351	378





ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 10-97
	DRAWN BY K. Kawamoto, K. Tom-Hirata, MH	
	TRACED BY	
NOTE BOOK dtl6.dgn	DESIGNED BY M. Bautista	
	QUANTITIES BY	
No. dtl16.dgn5	CHECKED BY	

SHEET No. 15 OF 15 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	352	378

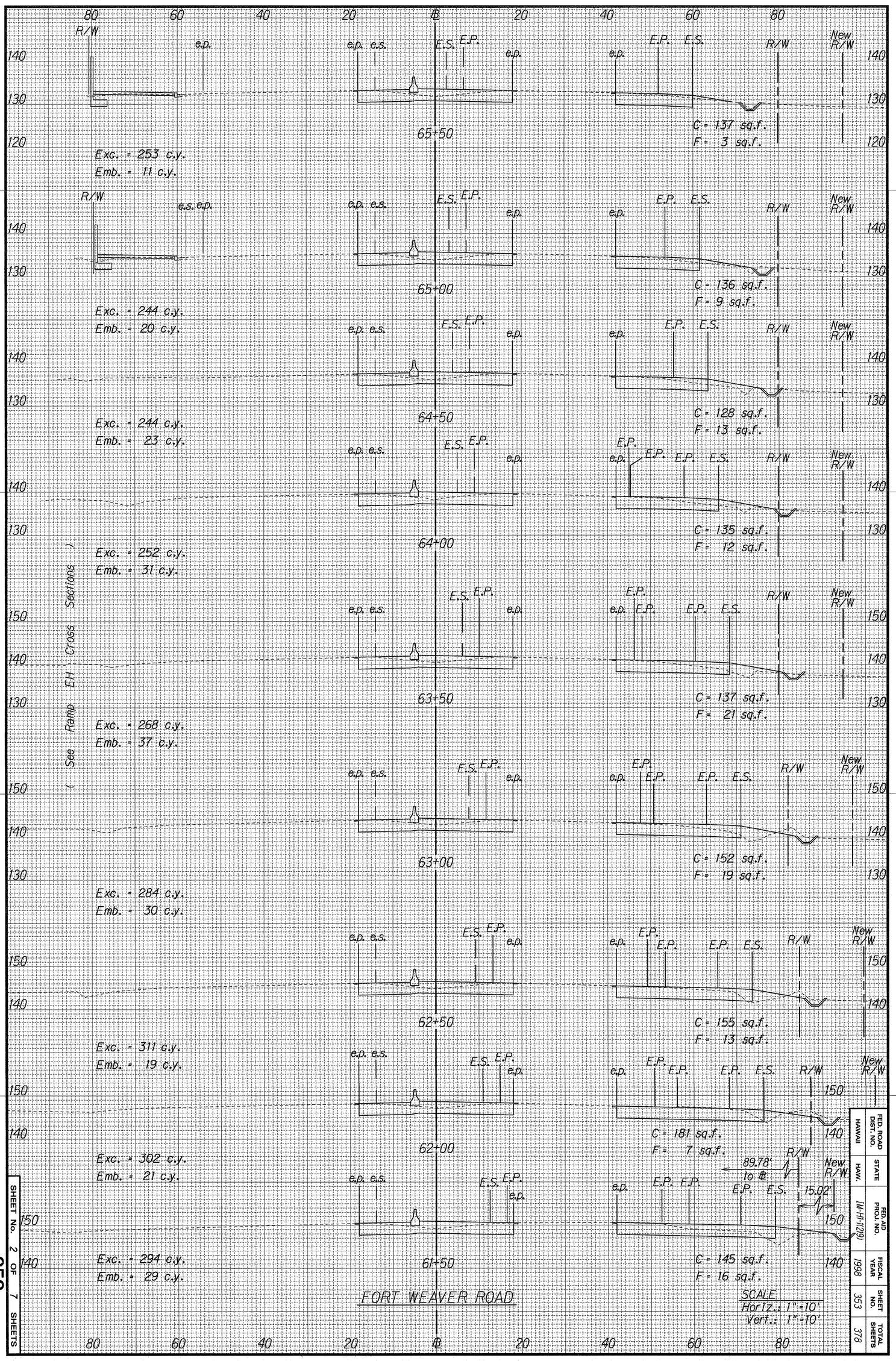
(SEE RAMP WE CROSS SECTIONS FOR PAVEMENT CONTINUATION)

FORT WEAVER ROAD

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 10-6-97
	DRAWN BY K. Imamura, J.M., M.L.J.M.	
NOTE BOOK	TRACED BY	
DGN FILE	DESIGNED BY J. Frosda/M. Okadaka	
M_dhlddsfw01	QUANTITIES BY	
	CHECKED BY	

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY K. Tomshinsky, J.M., M.H., I.M., P.W. 10-6-97
NOTE BOOK (dd).mh	TRACED BY _____
	DESIGNED BY J. Fronda/M. Quodala
NO. dlhldxsfw02	QUANTITIES BY _____
	CHECKED BY _____

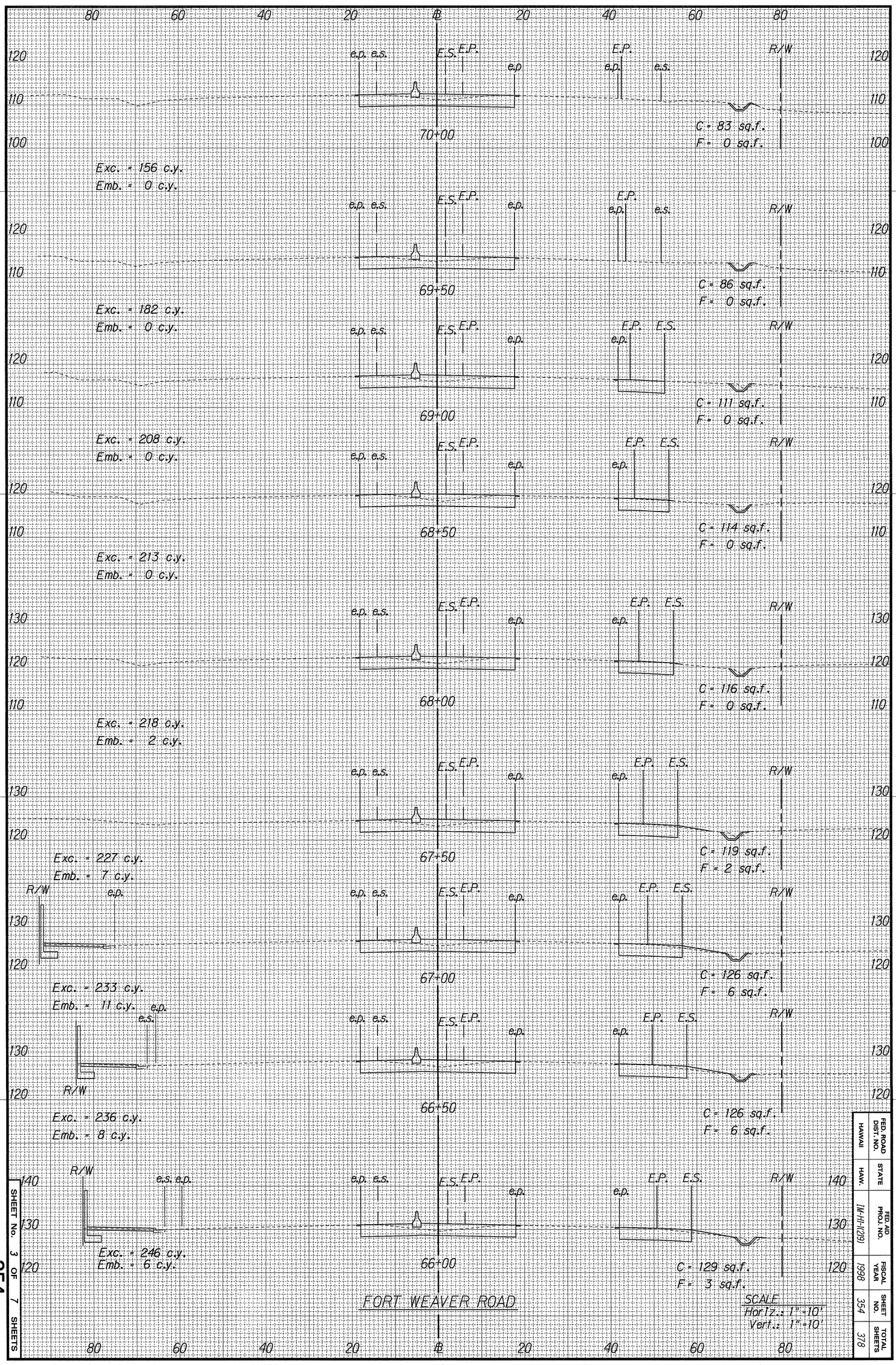


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(29)	1998	353	378

SHEET No. 2 OF 7 SHEETS

353

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE
	DRAWN BY K. Tom/Hata/J.M./I.M./MH/PW. 10-6-97
NOTE BOOK dd1.mh	TRACED BY _____
	DESIGNED BY J. Fronda/M. Quodala
NO. dlhldxsfw03	QUANTITIES BY _____
	CHECKED BY _____

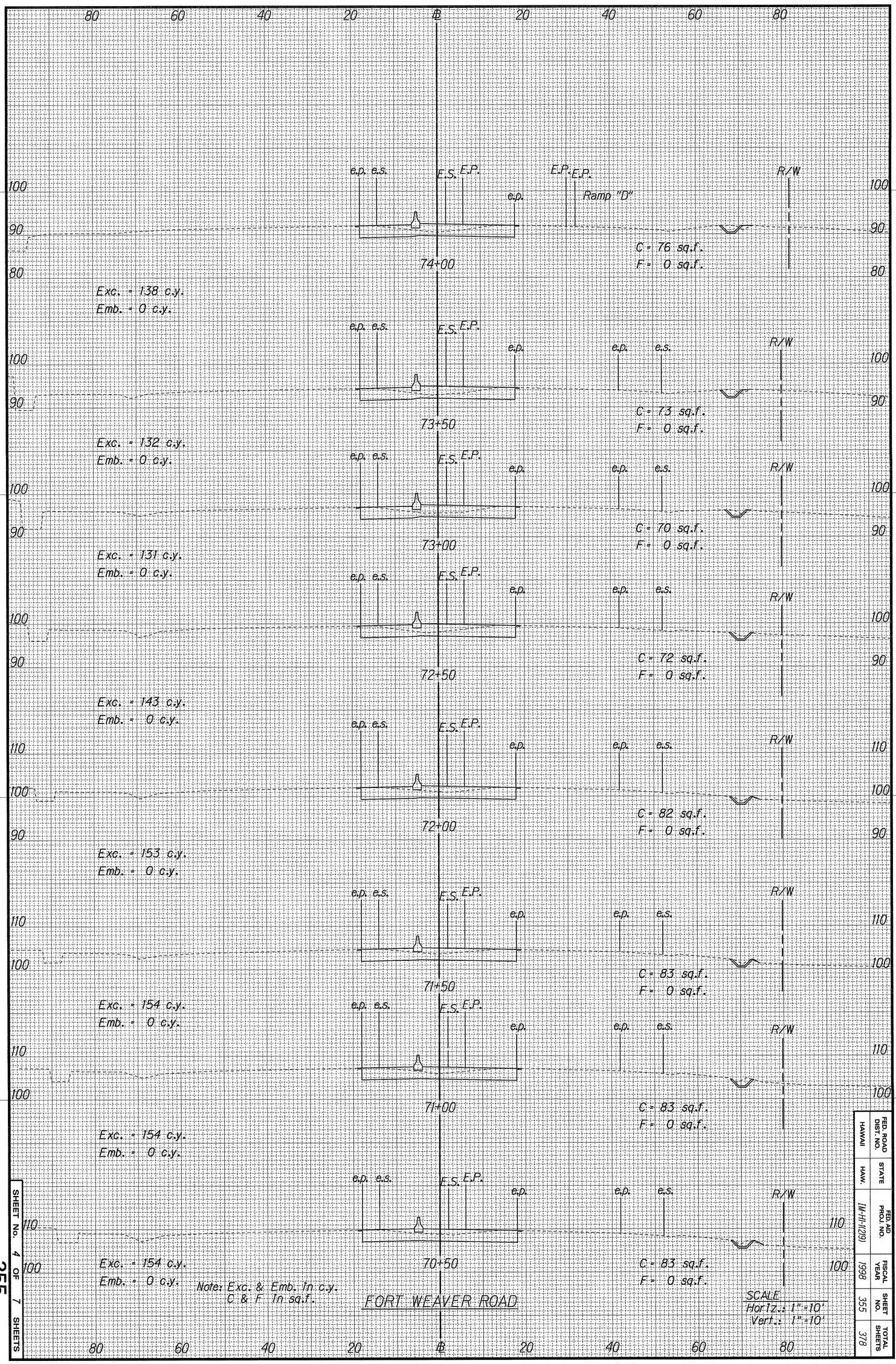


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(29)	1998	354	378

SHEET No. 3 OF 7 SHEETS

354

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE
	DRAWN BY K. Tomihiro, I.M., M.H., I.M., P.W. · 10-6-97
NOTE BOOK dd,mh dlhldxsfw04	TRACED BY _____ · _____
	DESIGNED BY J. Fronda/M. Quedala · _____
	QUANTITIES BY _____ · _____
NO.	CHECKED BY _____ · _____

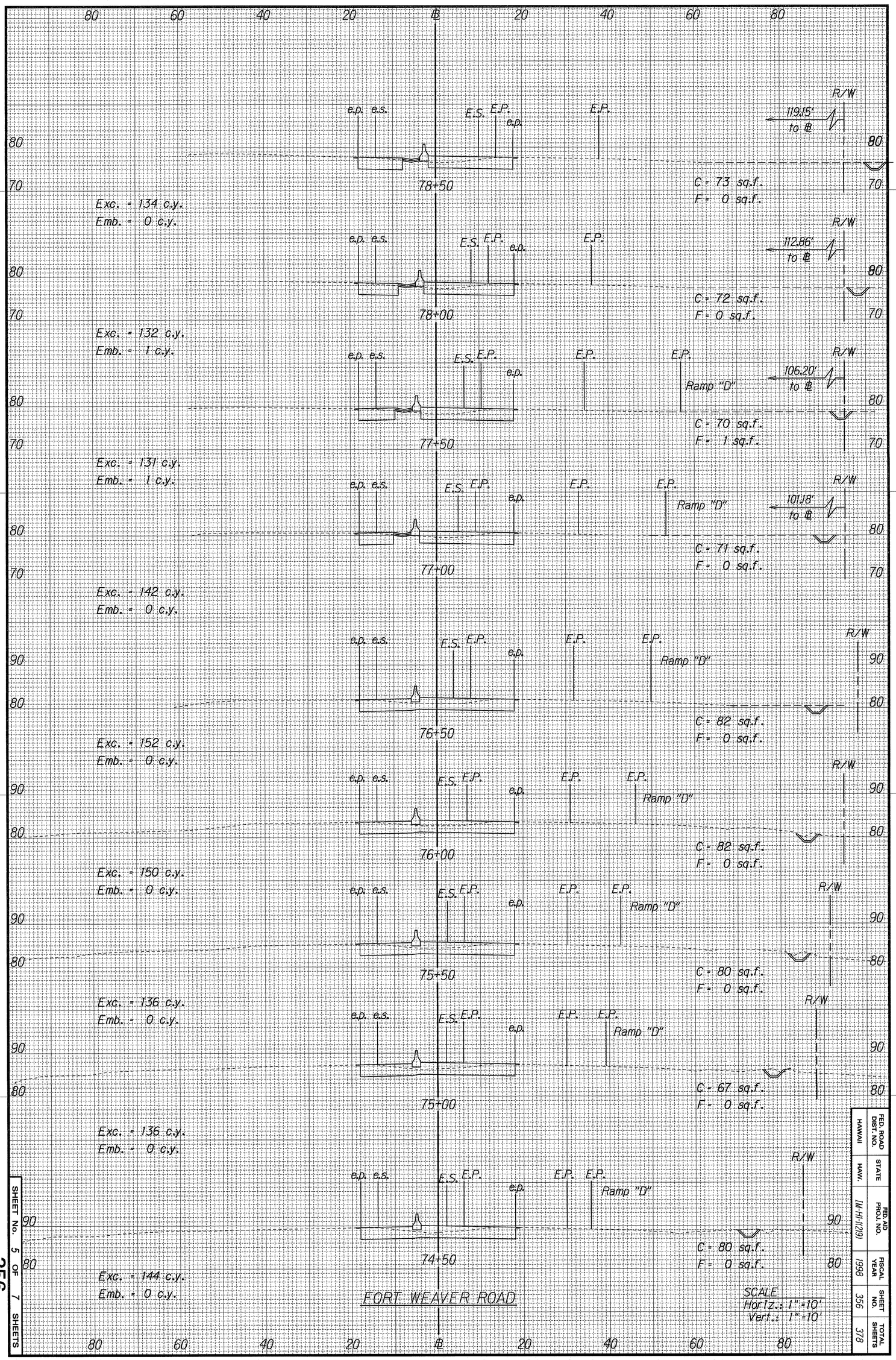


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	355	378

SHEET No. 4 OF 7 SHEETS

355

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE
	DRAWN BY K. Tom-Hirota, J.M. mh, I.M. 10-6-97
NOTE BOOK did.mh dlhldxsfw05	TRACED BY _____
	DESIGNED BY J. Fronda/M. Quodala
	QUANTITIES BY _____
No. _____	CHECKED BY _____

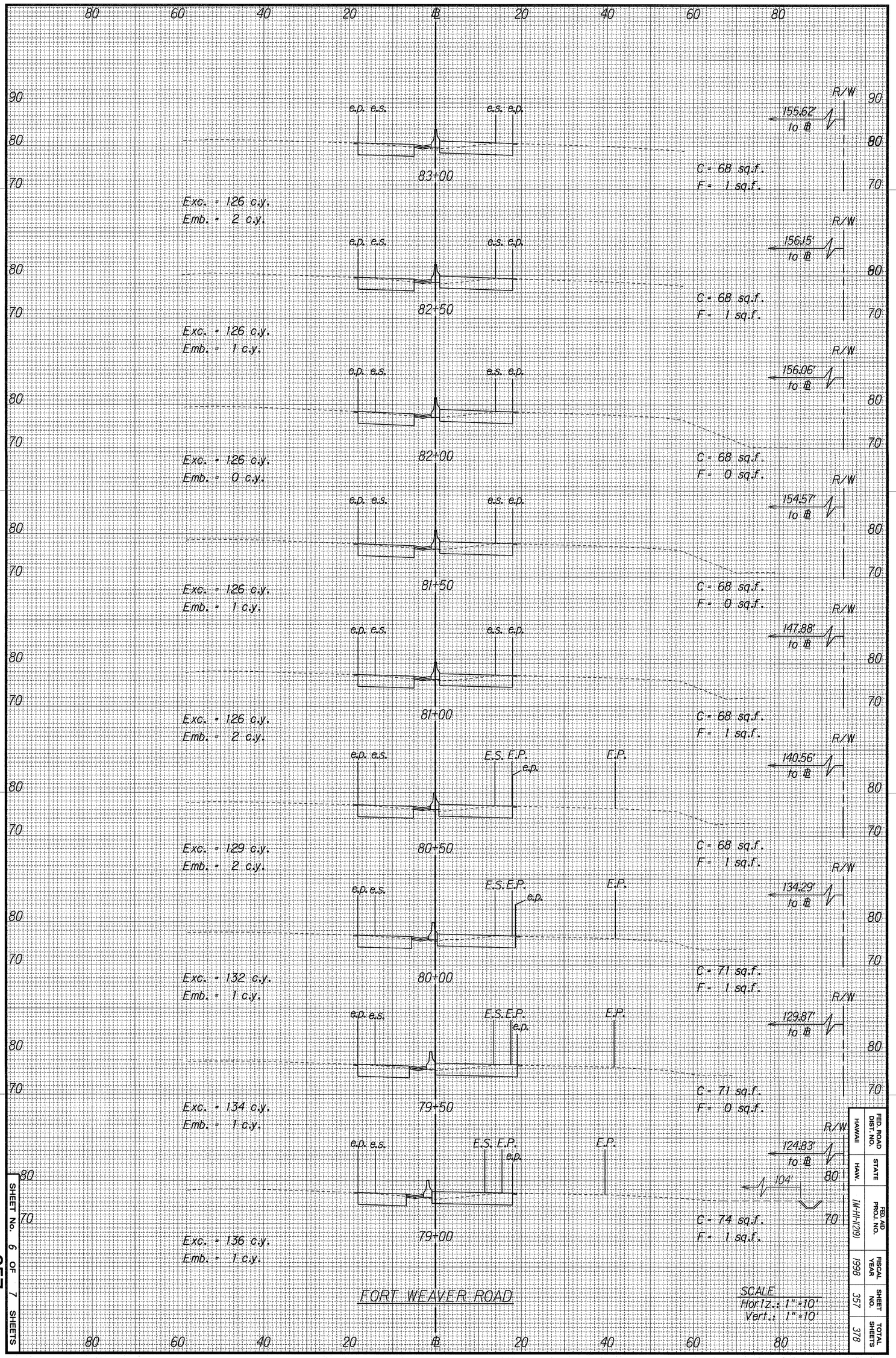


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H-1(219)	1998	356	378

SHEET No. 5 OF 7 SHEETS

356

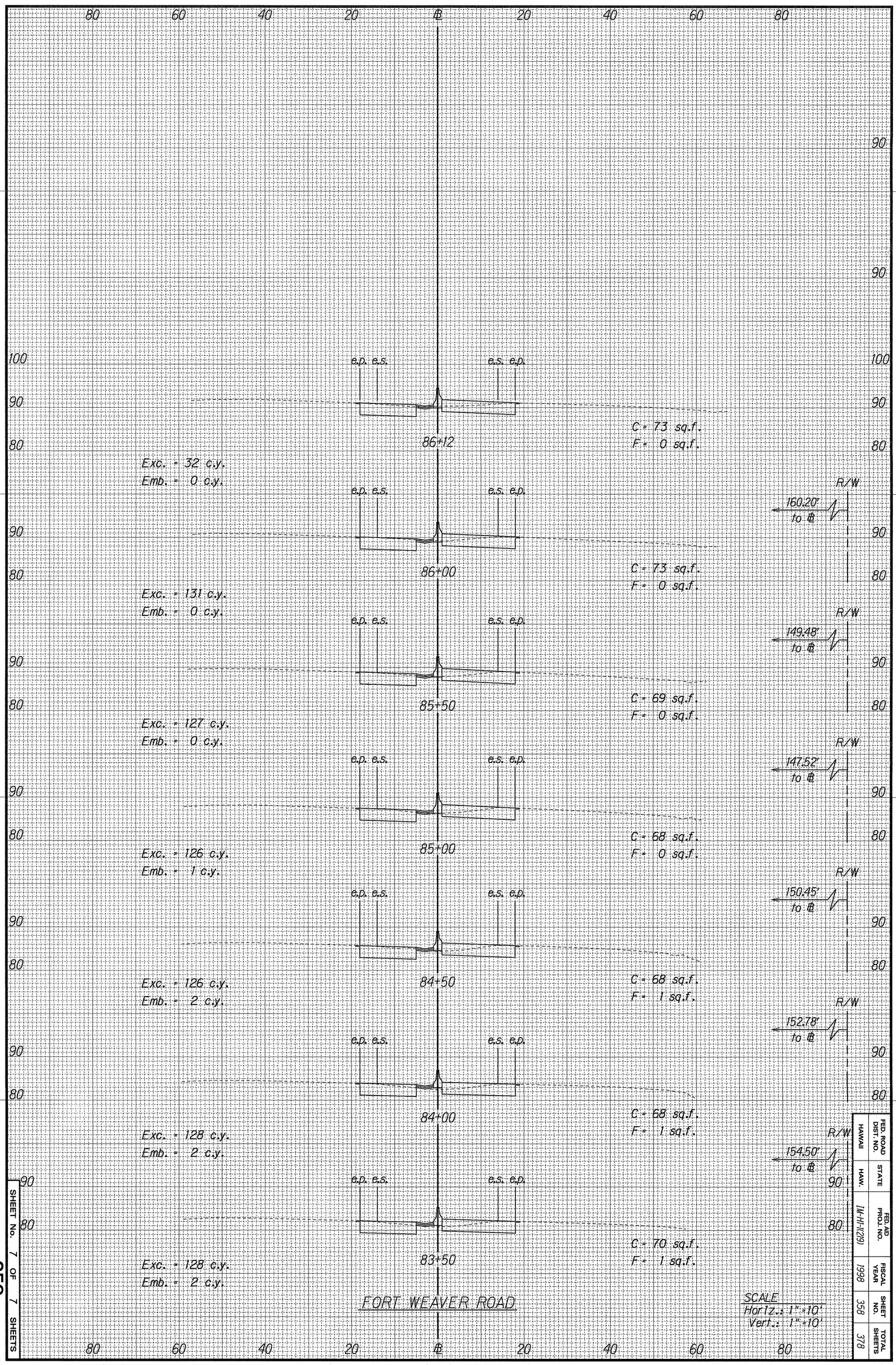
ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY K. Tomihiro, J.M., mh, J.M., P.W. - 10-6-97
NOTE BOOK ddlmh	TRACED BY _____ - _____
	DESIGNED BY J. Fronda/M. Quodala - _____
N ddlhldxsfw06	QUANTITIES BY _____ - _____
	CHECKED BY _____ - _____



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(219)	1998	357	378

SHEET No. 6 OF 7 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY K. Tom-Hirata, mh, I.M. 10-6-97
NOTE BOOK ddl,mh dlhldxsfw01	TRACED BY _____
	DESIGNED BY J. Fronda/M. Quodala
	QUANTITIES BY _____
	CHECKED BY _____



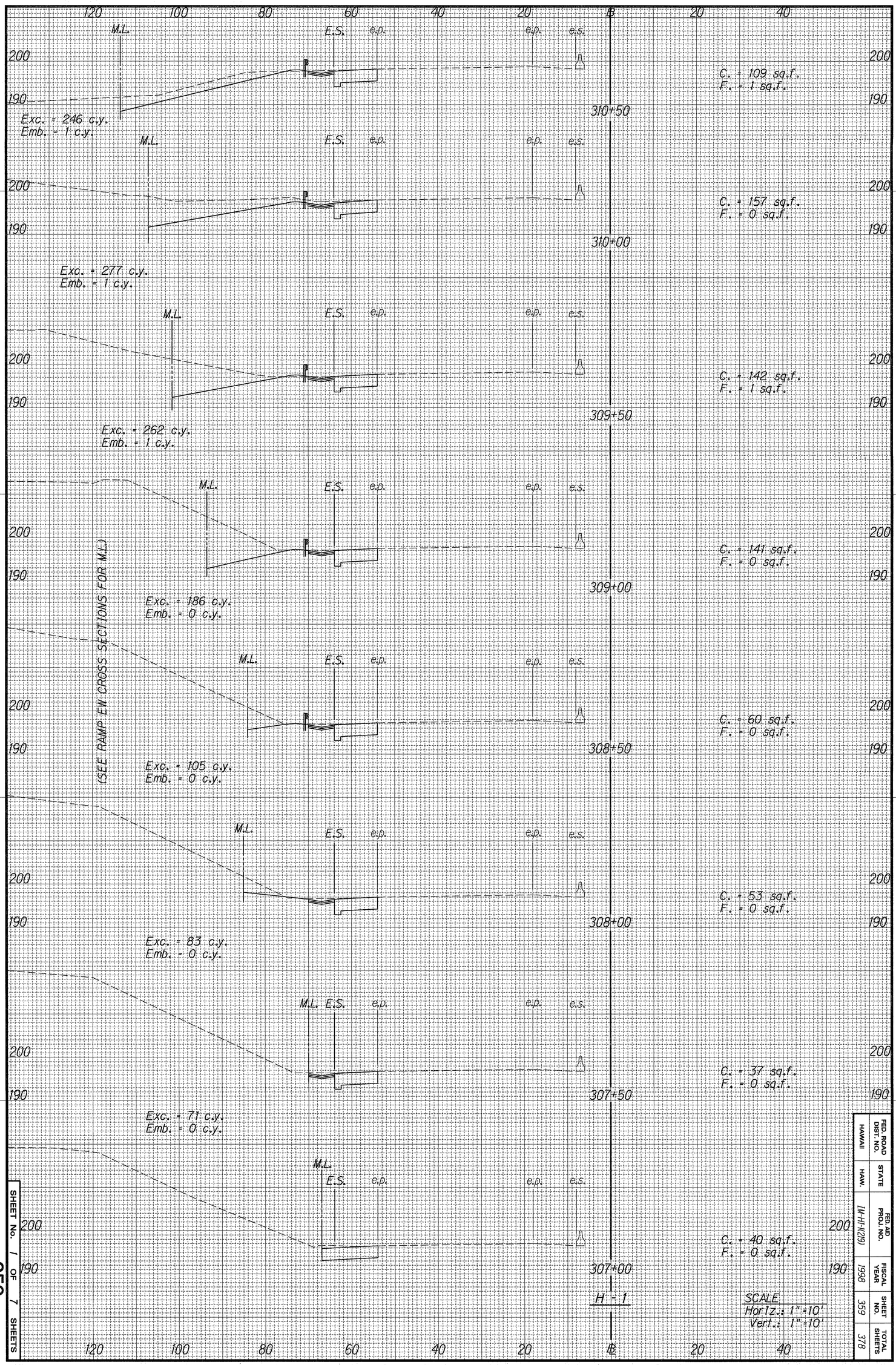
SCALE
Horiz.: 1" = 10'
Vert.: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1(219)	1998	356	378

SHEET No. 7 OF 7 SHEETS

358

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY L. Mitsuyoshi, mb, P.W.	2-28-97
NOTE BOOK ddlmh/dlhl/xs	TRACED BY	10-6-97
N. hlxs01.dgn	DESIGNED BY M. Quodala	
	QUANTITIES BY	
	CHECKED BY	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HH-1(219)	1998	359	378

SHEET No. 1 OF 7 SHEETS

359

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	360	378

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

H - 1

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY Hiroyoshi, Oh, P.W.	10-6-97
NOTE BOOK	TRACED BY	
Kona 1000	DESIGNED BY	
No. Kona2dgn	QUANTITIES BY	
	CHECKED BY	

C.: = 35 sq.f.
F.: = 3 sq.f.

C.: = 36 sq.f.
F.: = 3 sq.f.

C.: = 38 sq.f.
F.: = 5 sq.f.

C.: = 47 sq.f.
F.: = 21 sq.f.

C.: = 37 sq.f.
F.: = 65 sq.f.

C.: = 44 sq.f.
F.: = 28 sq.f.

C.: = 41 sq.f.
F.: = 41 sq.f.

C.: = 40 sq.f.
F.: = 56 sq.f.

E.xc. = 66 c.y.
Emb. = 6 c.y.

E.xc. = 69 c.y.
Emb. = 7 c.y.

E.xc. = 79 c.y.
Emb. = 24 c.y.

E.xc. = 78 c.y.
Emb. = 80 c.y.

E.xc. = 75 c.y.
Emb. = 86 c.y.

E.xc. = 79 c.y.
Emb. = 64 c.y.

E.xc. = 75 c.y.
Emb. = 90 c.y.

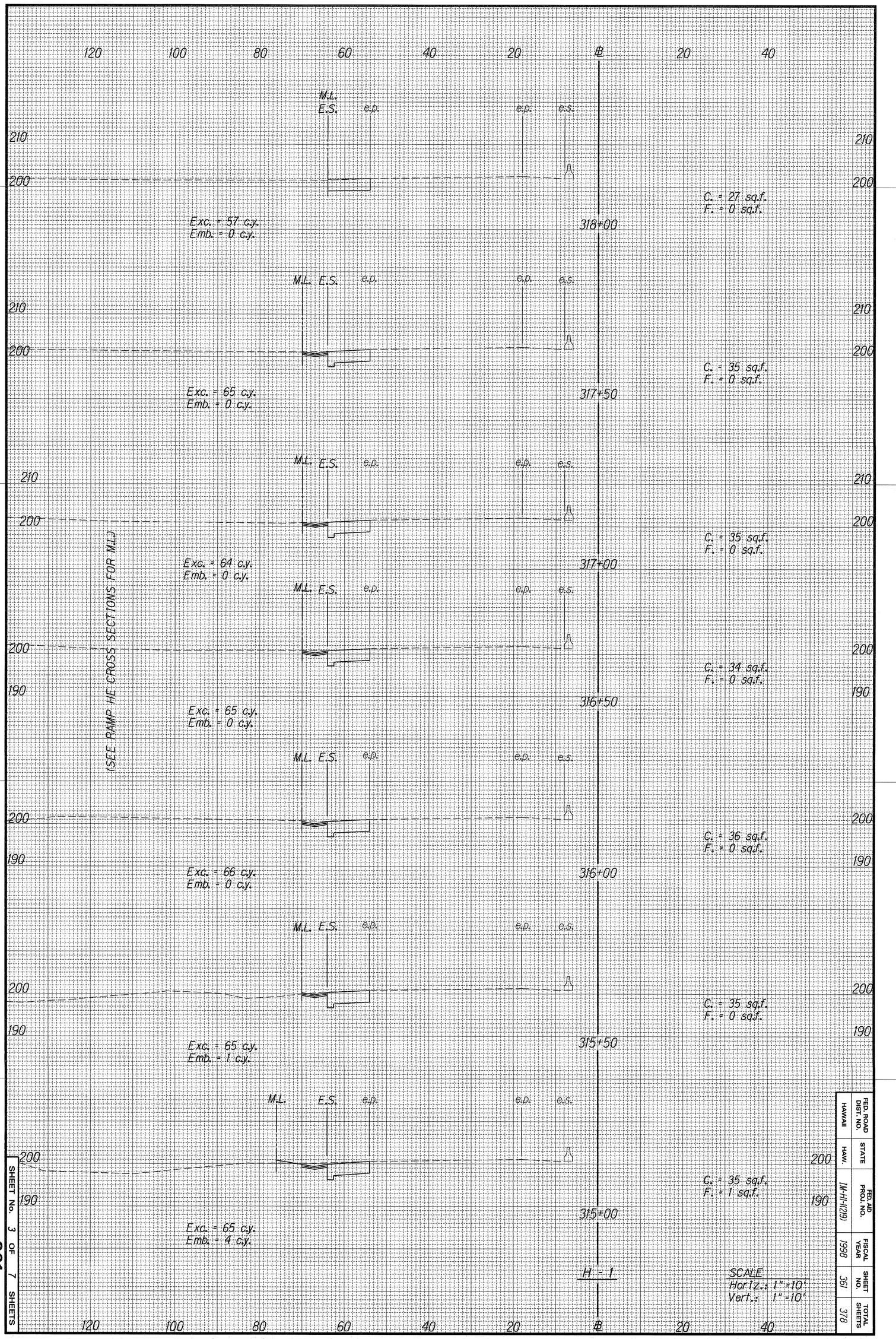
E.xc. = 138 c.y.
Emb. = 53 c.y.

(SEE RAMP HE CROSS SECTIONS FOR M.L.)

(SEE RAMP EW CROSS SECTIONS FOR M.L.)

SHEET No. 2 OF 7 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY L. Mitsuyoshi, mh, P.W. : 10-6-97
NOTE BOOK dd1,nh/dlh1/xs No. hlxs03.dgn	TRACED BY _____ : _____
	DESIGNED BY M. Quodala : _____
	QUANTITIES BY _____ : _____
	CHECKED BY _____ : _____



SCALE
Horiz.: 1" = 10'
Vert.: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H-1(219)	1998	361	378

SHEET No. 3 OF 7 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	362	378

SCALE
Hor'Iz.: 1" = 10'
Vert.: 1" = 10'

H - 1

Exc. = 10 c.y.
Emb. = 96 c.y.

Exc. = 8 c.y.
Emb. = 119 c.y.

Exc. = 4 c.y.
Emb. = 131 c.y.

C = 6 sq.f.
F = 42 sq.f.

C = 5 sq.f.
F = 62 sq.f.

C = 4 sq.f.
F = 66 sq.f.

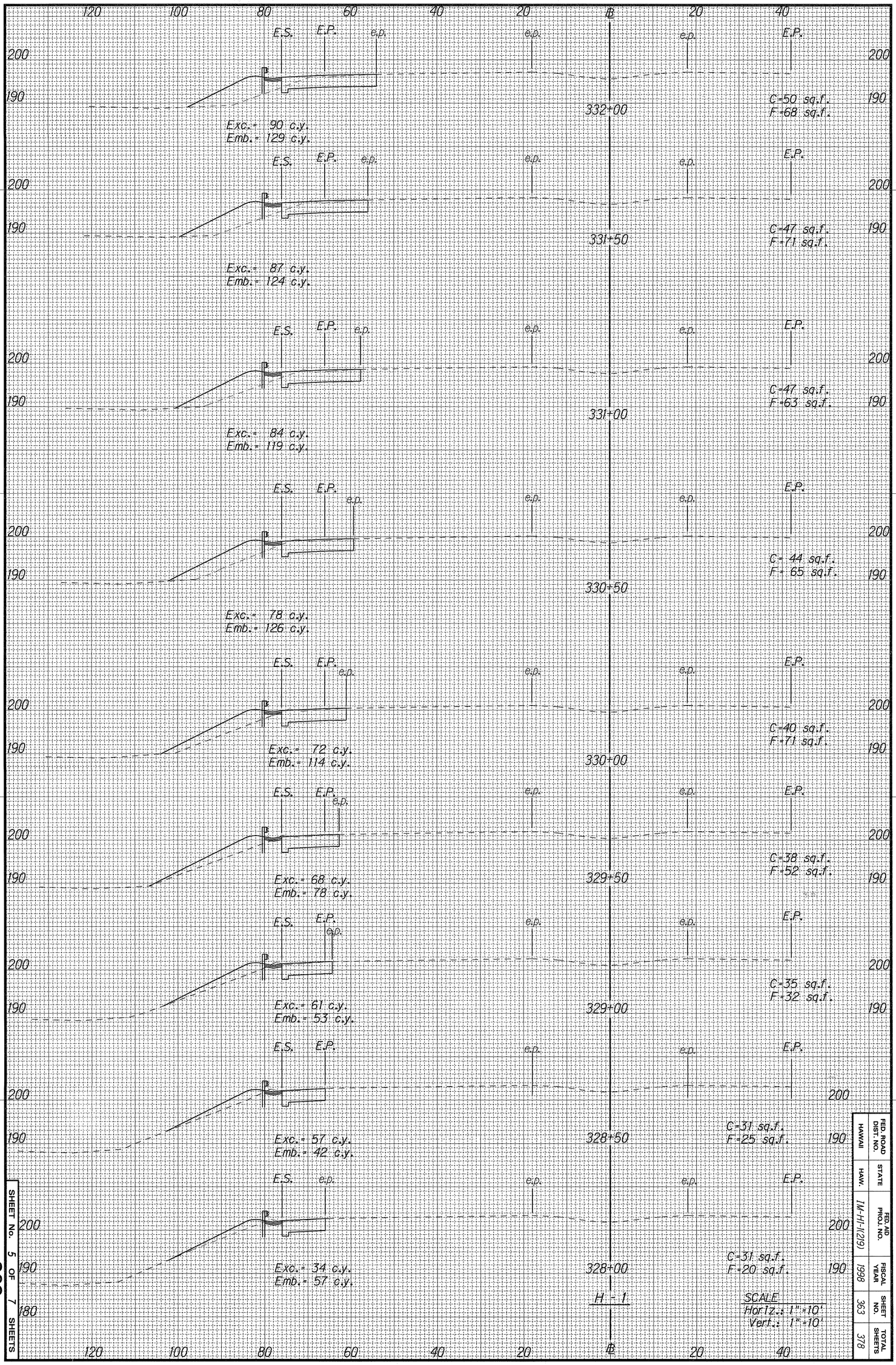
C = 0 sq.f.
F = 75 sq.f.

E.P.
e.p.
e.s.
327+50
327+00
326+50
326+00
200
190
40
20
80
60
100
120

ORIGINAL PLANS	SURVEY PLOTTED BY	DATE	10-6-97
	DRAWN BY	Mitzi Wong	
	TRACED BY		
NOTE BOOK dated 10/0/98 No. Hwd96	DESIGNED BY	M. Quedado	
	QUANTITIES BY		
	CHECKED BY		

SHEET No. 4 OF 7 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY L. Mitsuyoshi, P. Wong	10-6-97
NOTE BOOK ddlmh/dihl/xs hlxs04b No.	TRACED BY	
	DESIGNED BY M. Quodala	
	QUANTITIES BY	
	CHECKED BY	

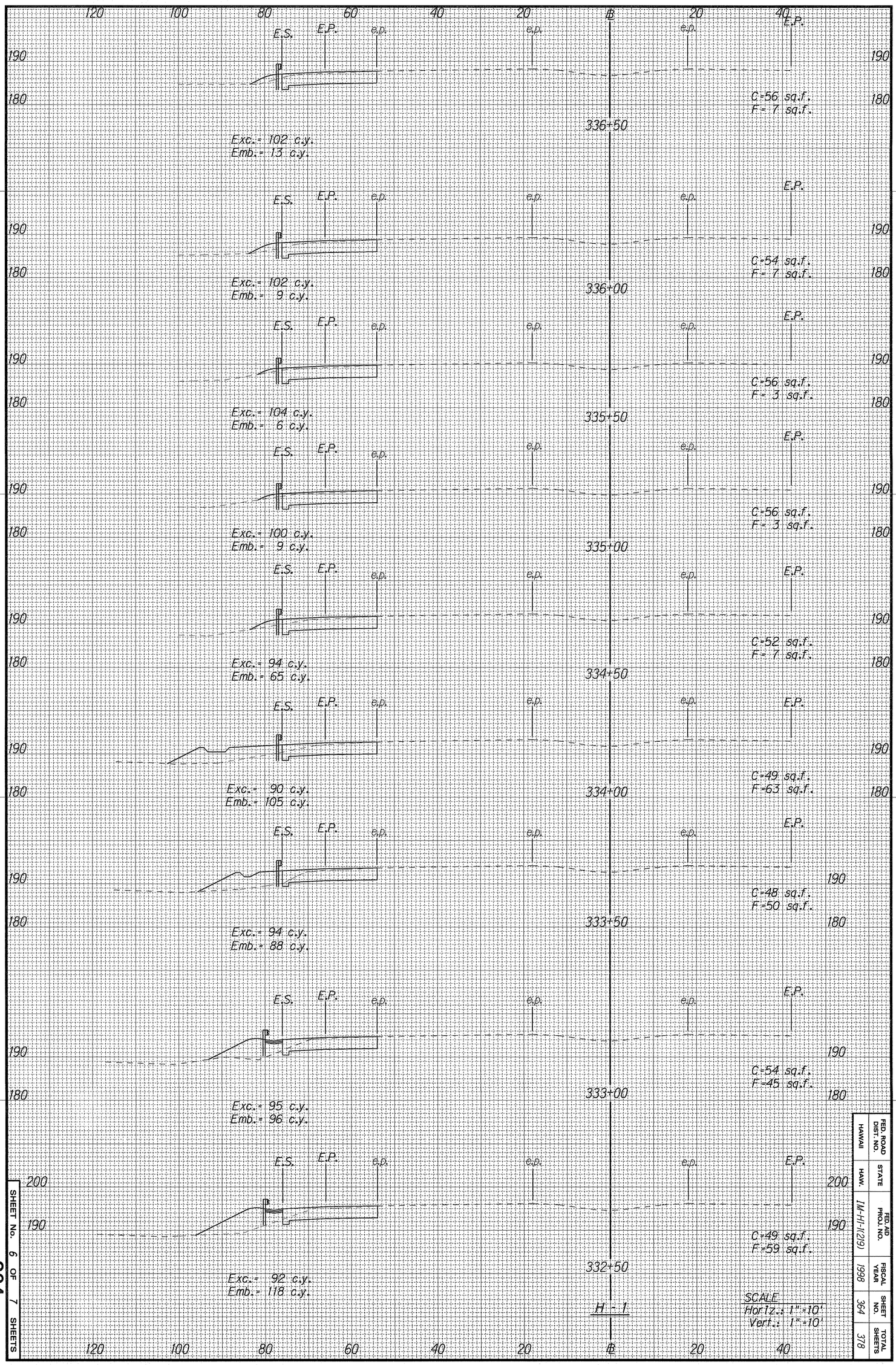


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	363	378

SHEET No. 5 OF 7 SHEETS

363

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY J. Mifsuyoshi+MH, P.W. 10-6-97
NOTE BOOK ddl,mh/dlhl/xs	TRACED BY _____
N. hlxs05.dgn	DESIGNED BY M. Quodala
	QUANTITIES BY _____
	CHECKED BY _____

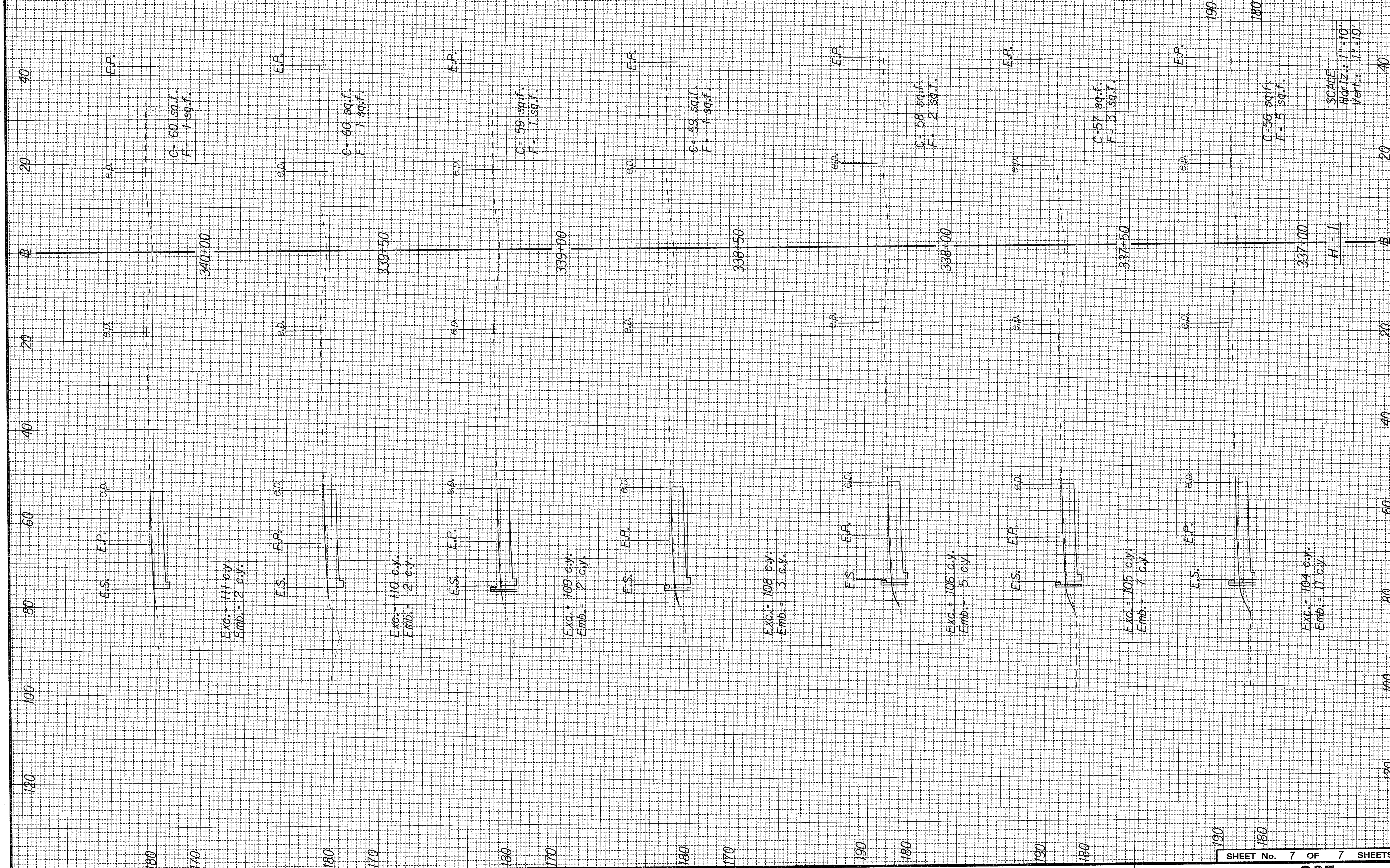


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	364	378

SHEET No. 6 OF 7 SHEETS

364

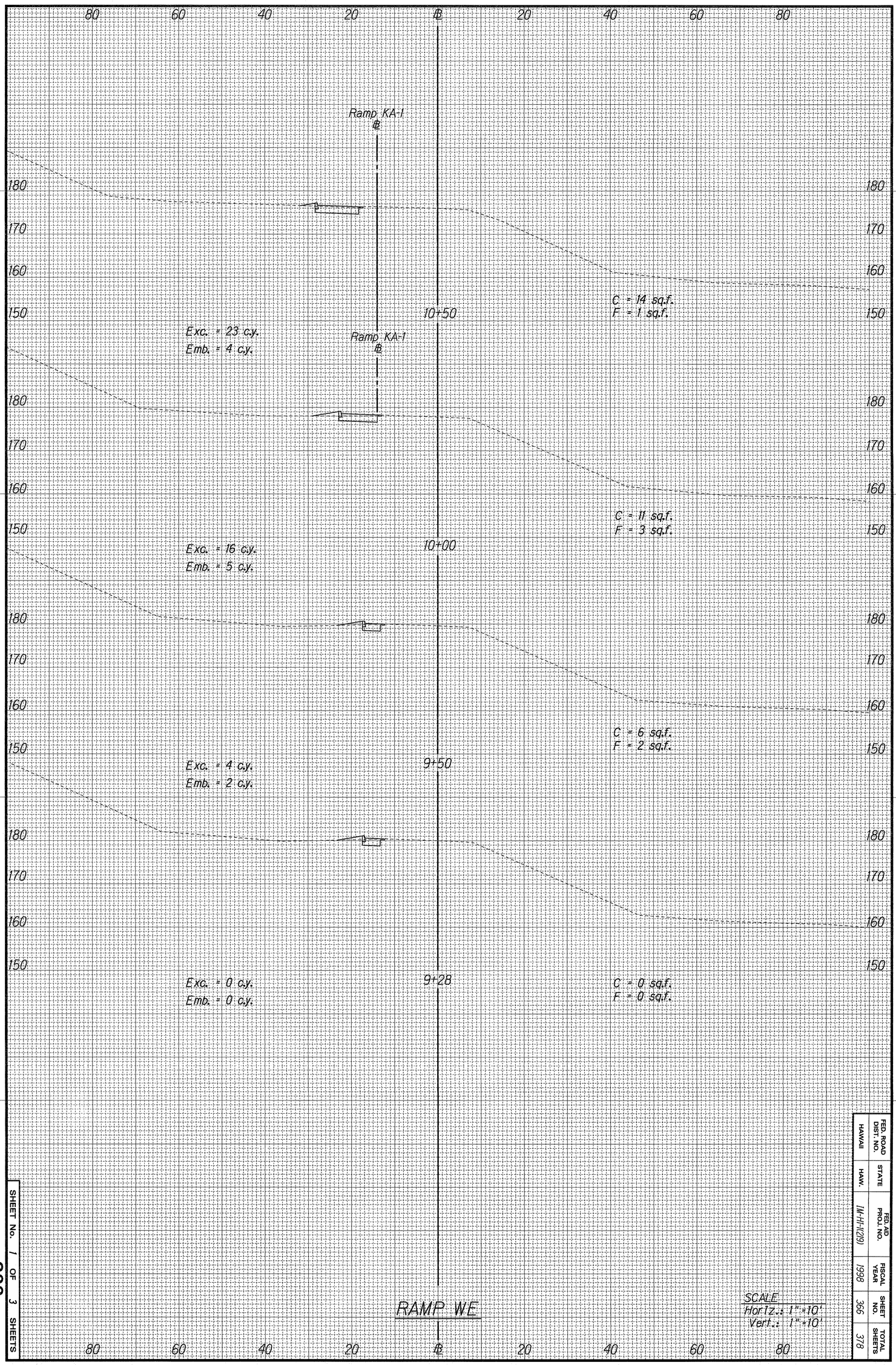
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(219)	1998	365	378



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY L. Mitsuyoshi, P. Wong	10-6-96
NOTE BOOK ddl.mh/dihl/xs	TRACED BY	
No. hlxs06.dgn	DESIGNED BY M. Quodala	
	QUANTITIES BY	
	CHECKED BY	

SHEET No. 7 OF 7 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY M.H. DATE 10-6-97
NOTE BOOK ddl,mh/dlhl/xs	TRACED BY _____ DATE _____
No. wexs01	DESIGNED BY M. Quodala DATE _____
	QUANTITIES BY _____ DATE _____
	CHECKED BY _____ DATE _____



RAMP WE

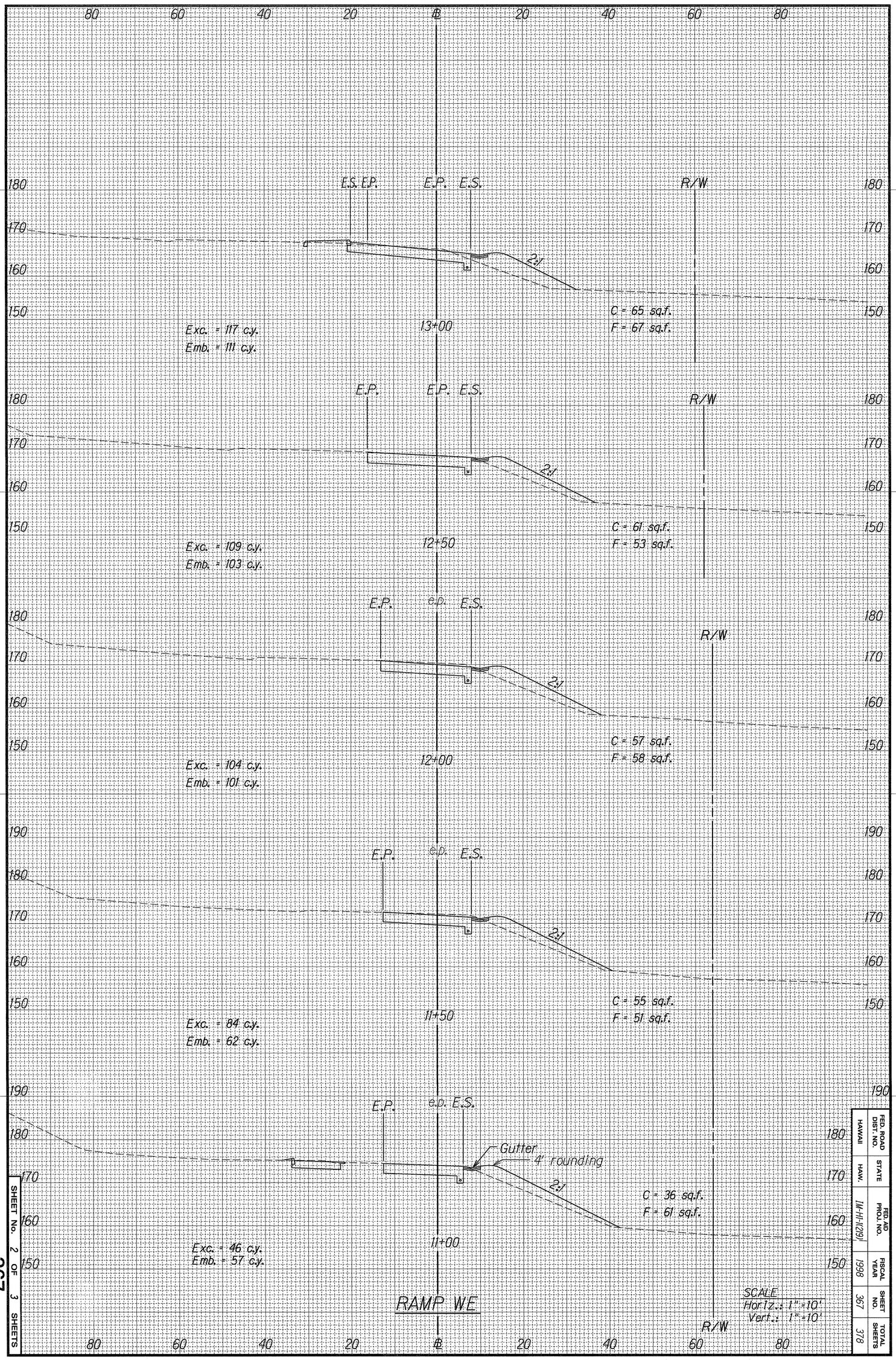
SCALE
Horiz.: 1" = 10'
Vert.: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI(209)	1998	366	378

SHEET No. 1 OF 3 SHEETS

366

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY G. Kawamoto, M.H., P.W. 10-17-97
NOTE BOOK dd/mh/dlh/ks No. wes02	TRACED BY _____
	DESIGNED BY M. Guodala
	QUANTITIES BY _____
	CHECKED BY _____



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(29)	1998	367	378

SHEET No. 2 OF 3 SHEETS

367

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	368	378

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

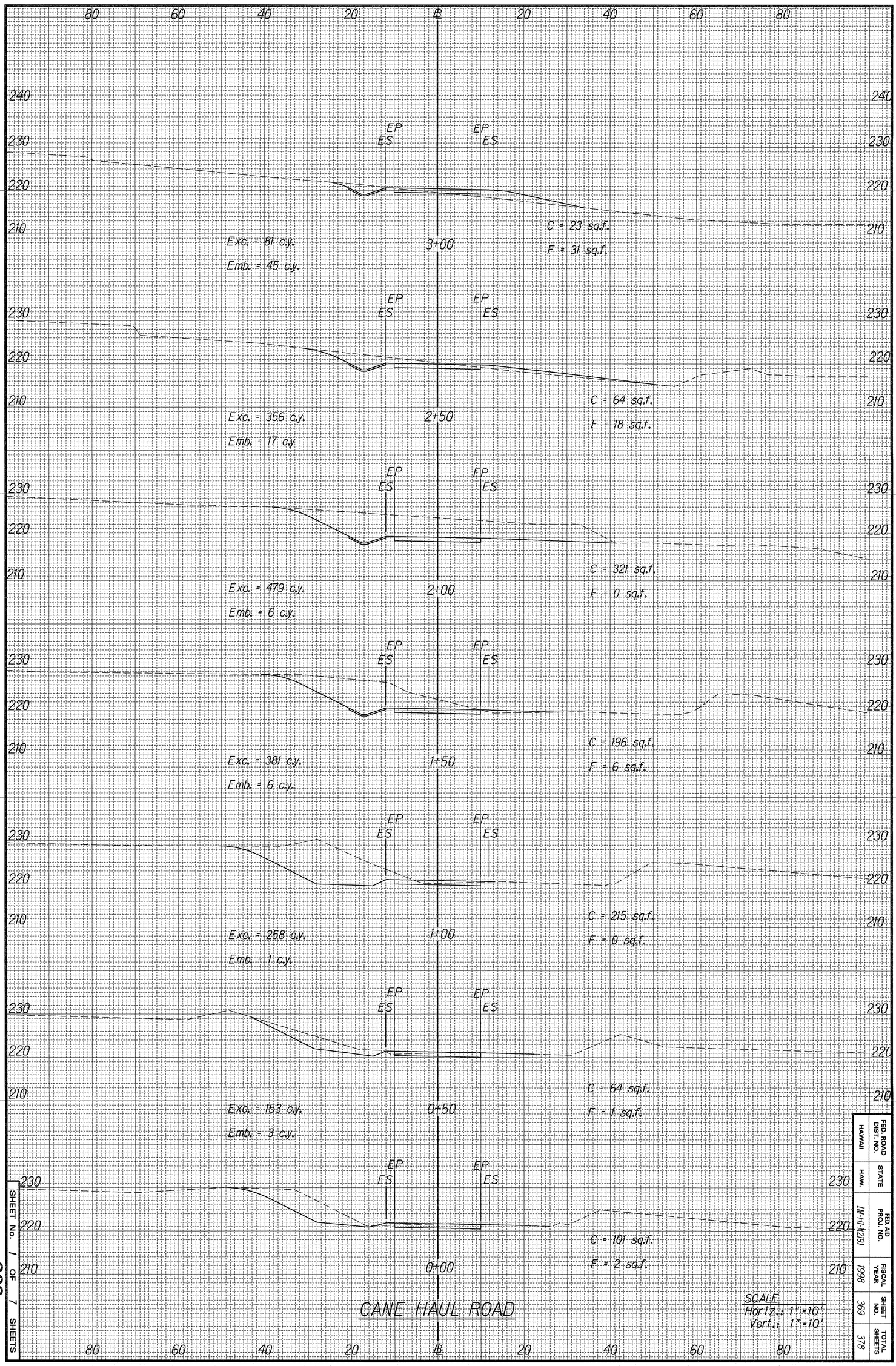
RAMP WE

(SEE FORT WEAVER ROAD CROSS SECTIONS FOR ML)

ORIGINAL PLAN	
NOTE BOOK dd/mb/dd/ss No. wed03	SURVEY PLOTTED BY DATE 10-17-97 TRACED BY C. Kawamoto, M.H., E.W. DESIGNED BY M. Quadilla QUANTITIES BY CHECKED BY

SHEET No. 3 OF 3 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY S. Kawamoto, mh " 10-6-97
NOTE BOOK	TRACED BY _____ " _____
	DESIGNED BY R.Sequeira/J. Fronda " _____
dd2gwen dhr.s&fdgh No.	QUANTITIES BY _____ " _____
	CHECKED BY _____ " _____



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(219)	1998	369	378

SHEET No. 1 OF 7 SHEETS

369

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	370	378

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

CANE HAUL ROAD

C = 55 sq.f.
F = 5 sq.f.
Exc. = 96 c.y.
Emb. = 9 c.y.

C = 49 sq.f.
F = 5 sq.f.
Exc. = 75 c.y.
Emb. = 19 c.y.

C = 32 sq.f.
F = 16 sq.f.
Exc. = 46 c.y.
Emb. = 50 c.y.

C = 18 sq.f.
F = 38 sq.f.
Exc. = 28 c.y.
Emb. = 94 c.y.

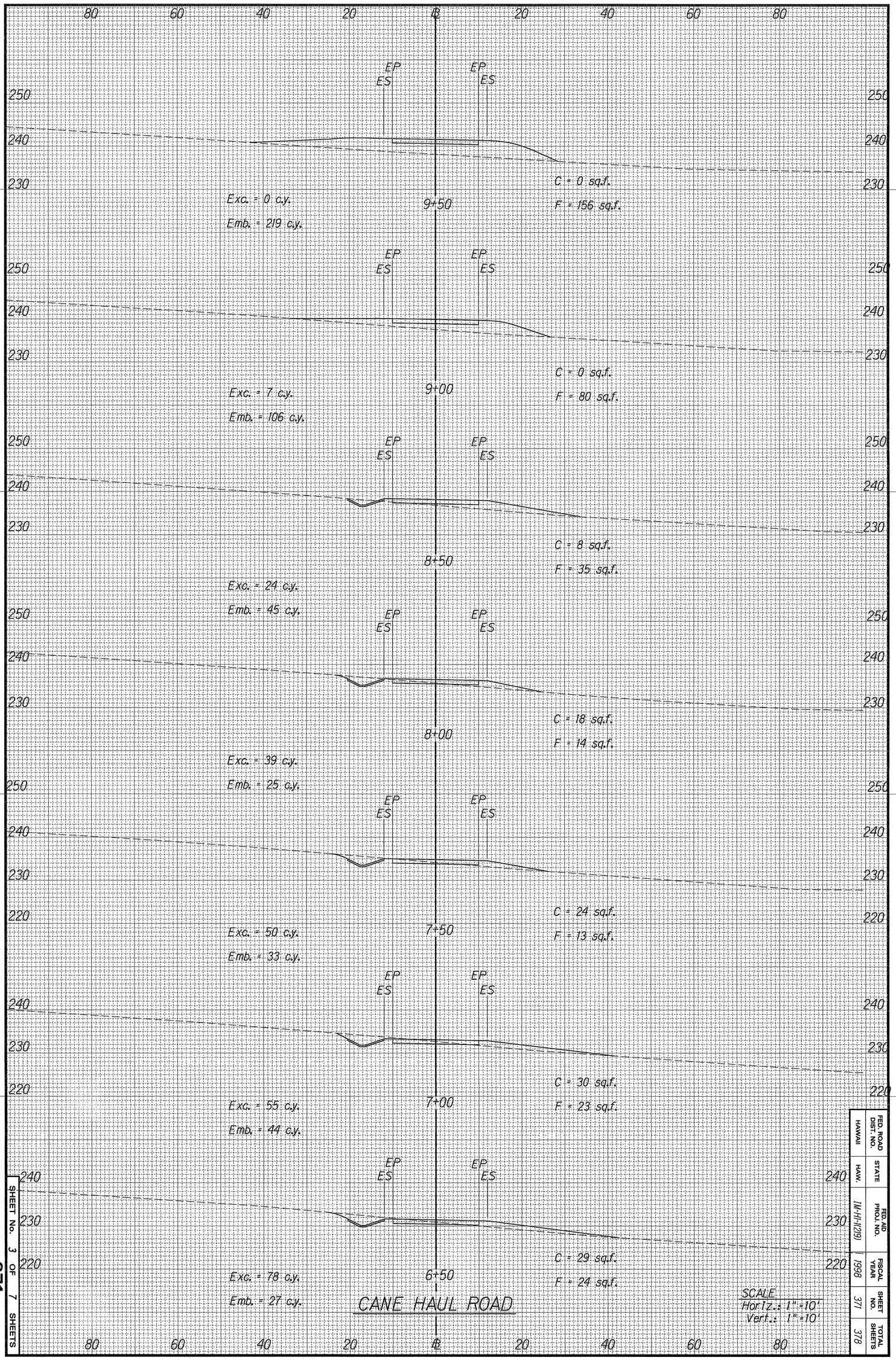
C = 12 sq.f.
F = 63 sq.f.
Exc. = 23 c.y.
Emb. = 132 c.y.

C = 13 sq.f.
F = 80 sq.f.
Exc. = 33 c.y.
Emb. = 103 c.y.

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE 9/98
	DRAWN BY K. Kawamoto, etc	
	TRACED BY	
	DESIGNED BY K. Square/J. Frank	
NOTE BOOK dd2pen correction	QUANTITIES BY	
	CHECKED BY	
No.		

SHEET No. 2 OF 7 SHEETS

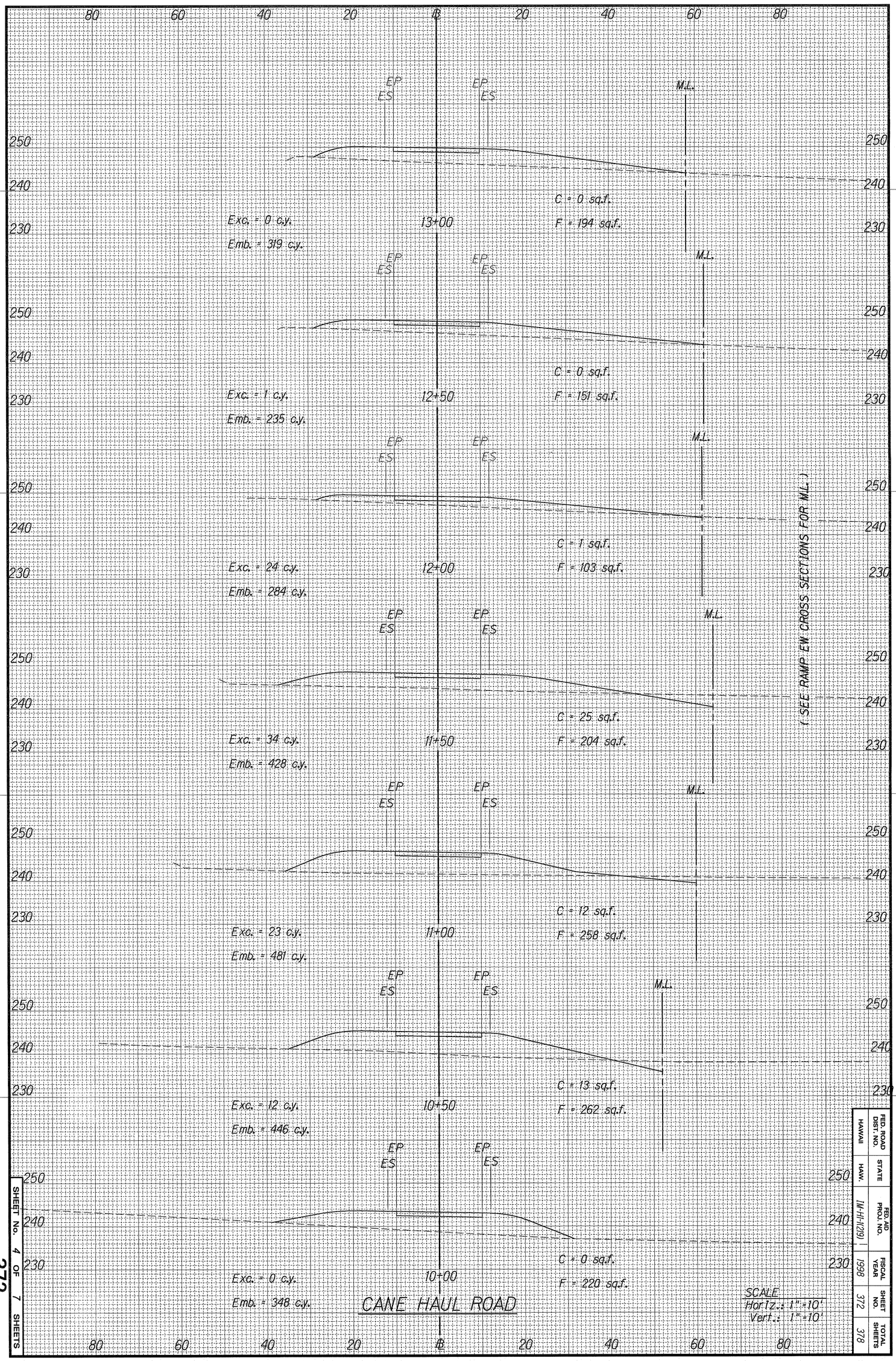
ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY G. Kawamoto, rph. 10-6-97
NOTE BOOK dd2gwen chrxs03.dgn	TRACED BY _____
	DESIGNED BY R. Sequeira/J. Fronda
	QUANTITIES BY _____
No.	CHECKED BY _____



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(219)	1998	377	378

SHEET No. 3 OF 7 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
	DRAWN BY G. Kawashima/JM/ mh 10-7-97
NOTE BOOK dd2pwen chrsd04.dgn No. _____	TRACED BY _____
	DESIGNED BY R.Sequeira/J. Franda
	QUANTITIES BY _____
	CHECKED BY _____



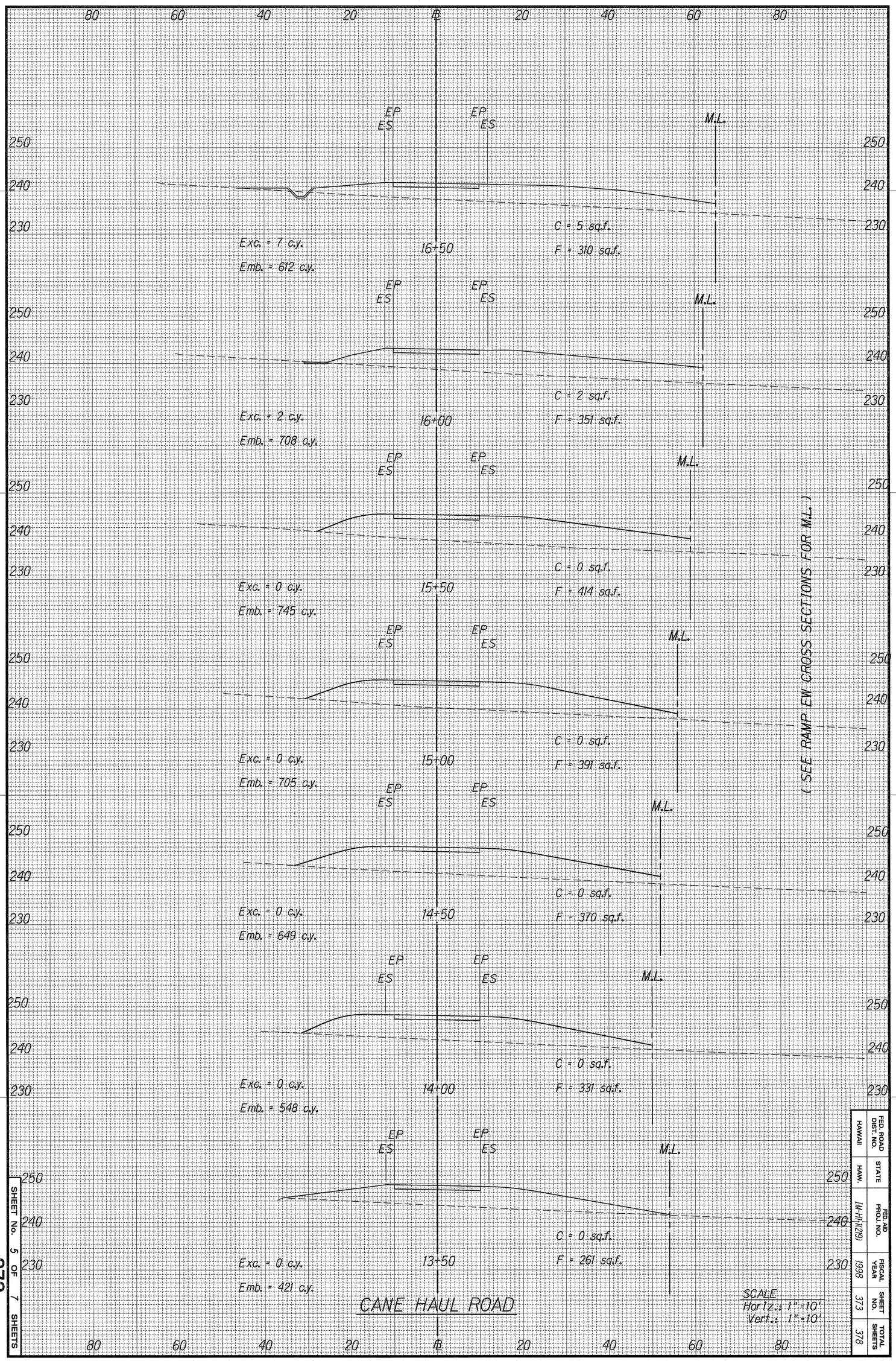
SCALE
Horiz.: 1" = 10'
Vert.: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1(219)	1998	372	378

SHEET No. 4 OF 7 SHEETS

372

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY G. Kawamoto, rph	10-7-97
NOTE BOOK	TRACED BY	
	DESIGNED BY R. Sequeira/J. Franda	
dd2qwsn chr1a05.dgn	QUANTITIES BY	
No.	CHECKED BY	

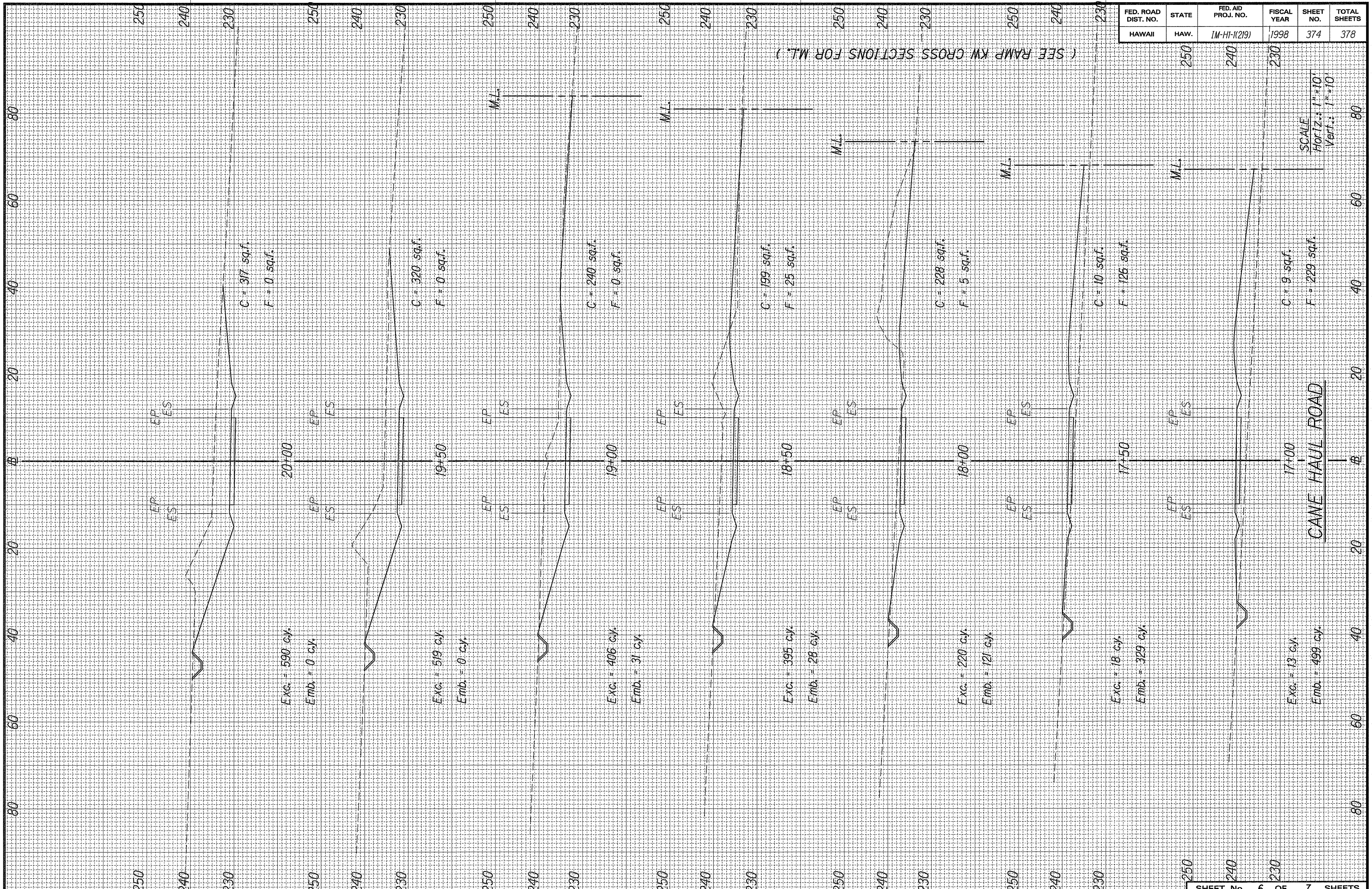


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI(129)	1998	373	378

SHEET No. 5 OF 7 SHEETS

373

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-H1-1(219)	1998	374	378



ORIGINAL PLAN

NOTE BOOK dd2gwen chrxs06.dgn No.

SURVEY PLOTTED BY
DRAWN BY G. Kawamoto, mh
TRACED BY
DESIGNED BY R. Sequeira/J. Fronda
QUANTITIES BY
CHECKED BY

DATE 10-7-97

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(219)	1998	375	378

SCALE
Horiz.: 1"=10'
Vert.: 1"=10'

21+60.2566

C = 213 sq.f.
F = 1 sq.f.

C = 350 sq.f.
F = 0 sq.f.

EP
ES

existing pole

Exc. = 521 c.y.
Emb. = 1 c.y.

Exc. = 618 c.y.
Emb. = 0 c.y.

CANE HAUL ROAD

ORIGINAL PLANS	SURVEY PLOTTED BY	DATE
	DRAWN BY (Signature)	
	TRACED BY	
NOTE BOOK	DESIGNED BY R. Sequeira/J. Tibbitts	
date	QUANTITIES BY	
No.	CHECKED BY	

SHEET No. 7 OF 7 SHEETS