FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	97	126

60 40 20 ℄ 20 40 60

R/W R/W

340 330

Exc. = 180 c.y.
Emb. = 1 c.y.

approx. location exist. 20" waterline

546+50

C = 85 s.f.
F = 1 s.f.

R/W R/W

340 330

Exc. = 210 c.y.
Emb. = 0 c.y.

approx. location exist. 20" waterline

546+00

C = 109 s.f.
F = 0 s.f.

R/W R/W

340 330

Exc. = 221 c.y.
Emb. = 0 c.y.

approx. location exist. 20" waterline

545+50

C = 118 s.f.
F = 0 s.f.

R/W R/W

340 330

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

approx. location exist. 20" waterline

545+00

C = 121 s.f.
F = 0 s.f.

R/W R/W

340 330

Exc. = 102 c.y.
Emb. = 0 c.y.

approx. location exist. 20" waterline

544+50

C = 102 s.f.
F = 0 s.f.

R/W R/W

340 330

approx. location exist. 20" waterline

19+98.36 = 544+17.14

C = 66 s.f.
F = 0 s.f.

60 40 20 ℄ 20 40 60

60 40 20 ℄ 20

R/W R/W

350 340

Exc. = 90 c.y.
Emb. = 9 c.y.

approx. location exist. 20" waterline

549+50

C = 60 s.f.
F = 2 s.f.

R/W R/W

350 340

Exc. = 69 c.y.
Emb. = 19 c.y.

approx. location exist. 20" waterline

549+00

C = 38 s.f.
F = 8 s.f.

R/W R/W

350 340

Exc. = 71 c.y.
Emb. = 20 c.y.

approx. location exist. 20" waterline

548+50

C = 36 s.f.
F = 13 s.f.

R/W R/W

350 340 330

Exc. = 86 c.y.
Emb. = 11 c.y.

approx. location exist. 20" waterline

548+00

C = 41 s.f.
F = 9 s.f.

R/W R/W

350 340

Exc. = 94 c.y.
Emb. = 4 c.y.

approx. location exist. 20" waterline

547+50

C = 52 s.f.
F = 3 s.f.

R/W R/W

340 330

Exc. = 125 c.y.
Emb. = 2 c.y.

approx. location exist. 20" waterline

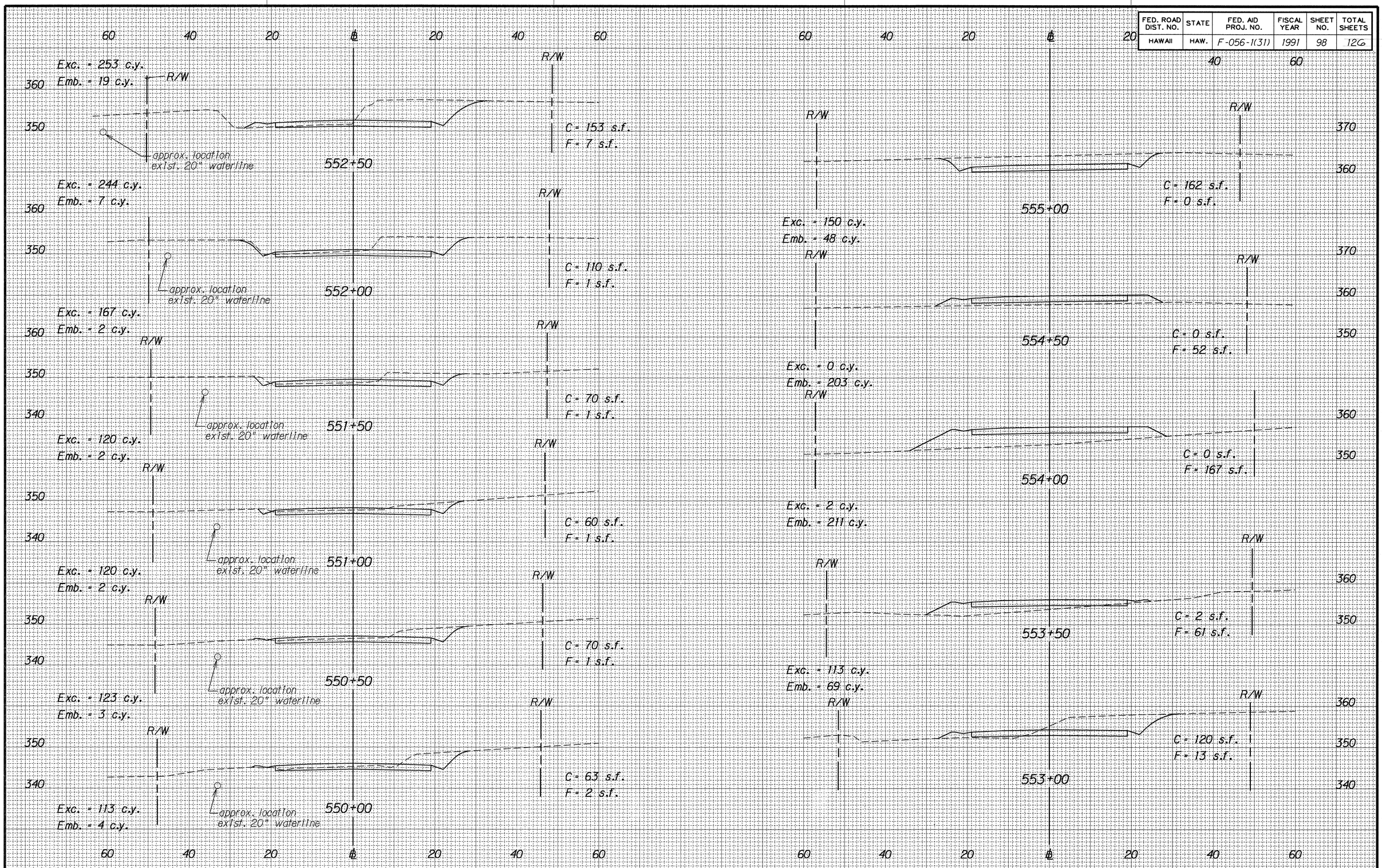
547+00

C = 50 s.f.
F = 1 s.f.

60 40 20 ℄ 20 40 60

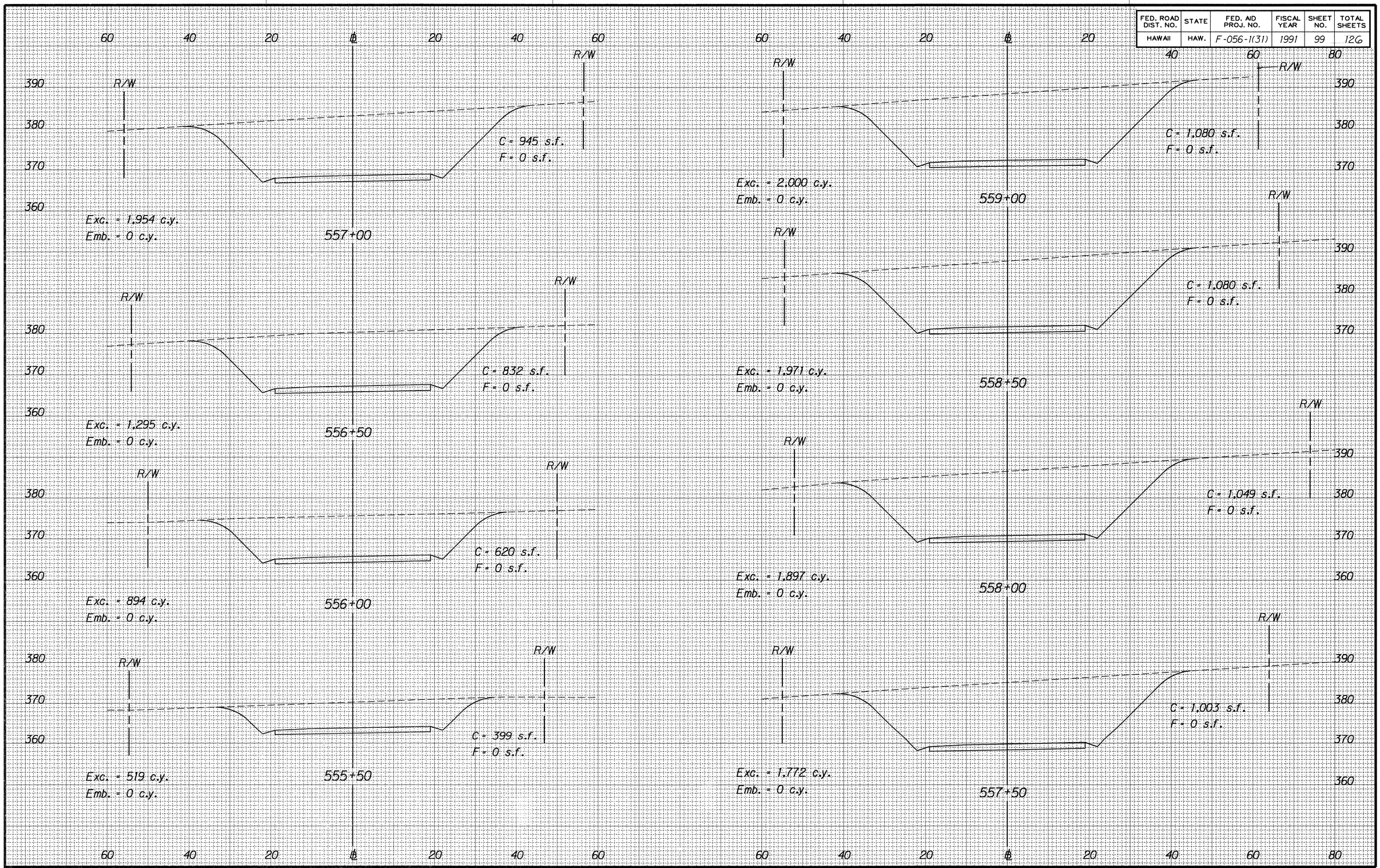
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	98	126



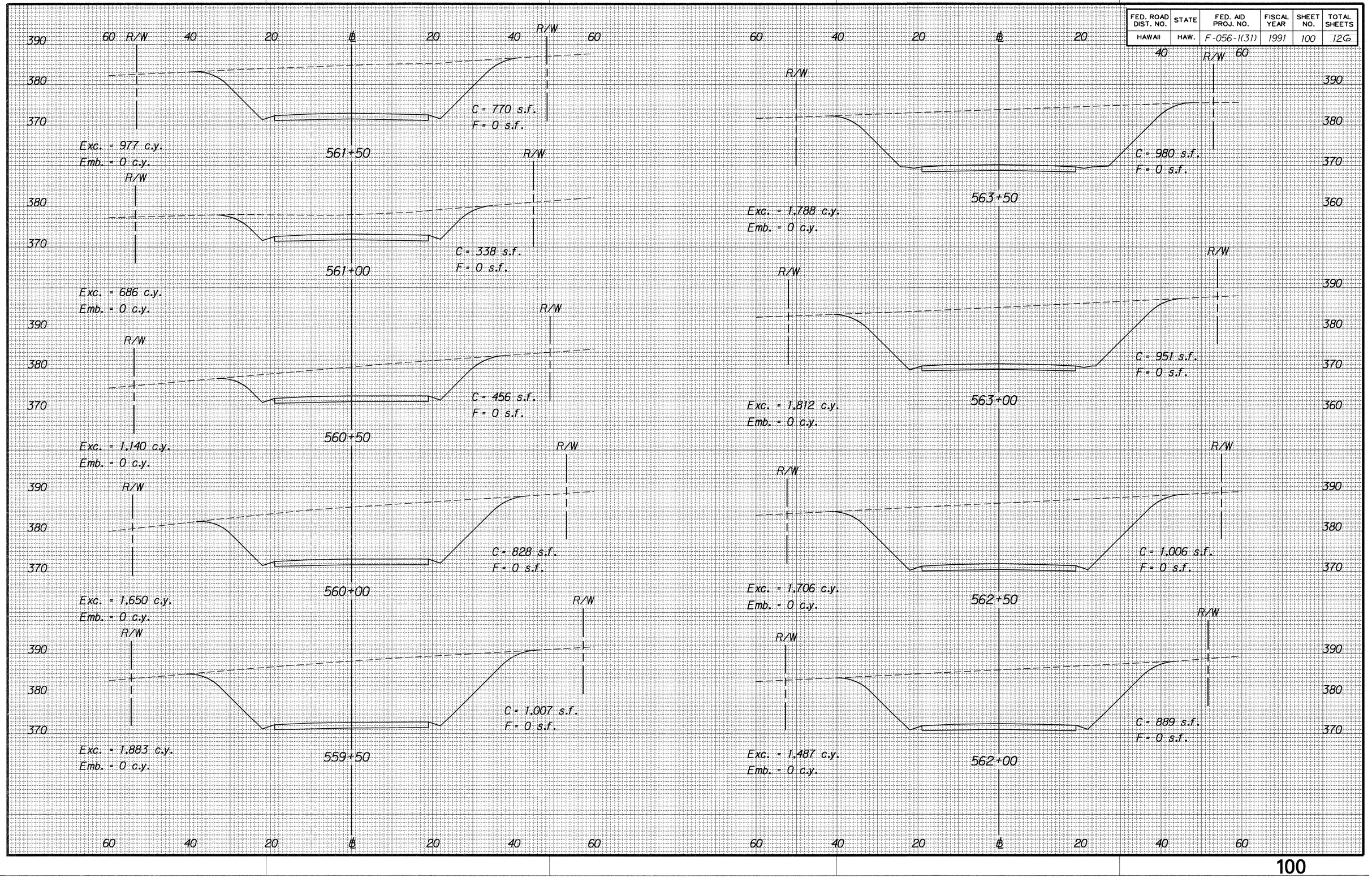
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	99	126



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	100	126



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	101	126

60 40 20 ℄ 20 40 60

R/W R/W

370
360

C = 382 s.f.
F = 0 s.f.

Exc. = 1,082 c.y.
Emb. = 0 c.y.

566+00

R/W R/W

380
370
360

C = 786 s.f.
F = 0 s.f.

Exc. = 1,630 c.y.
Emb. = 0 c.y.

565+50

R/W R/W

380
370
360

Kapa'ka Street

C = 974 s.f.
F = 0 s.f.

Exc. = 1,884 c.y.
Emb. = 0 c.y.

565+00

R/W R/W

380
370
360

C = 1,061 s.f.
F = 0 s.f.

Exc. = 1,853 c.y.
Emb. = 0 c.y.

564+50

R/W R/W

380
370
360

C = 940 s.f.
F = 0 s.f.

Exc. = 1,778 c.y.
Emb. = 0 c.y.

564+00

60 40 20 ℄ 20 40 60

60 40 20 ℄ 20 40 60

R/W R/W

360
350

C = 485 s.f.
F = 0 s.f.

Exc. = 810 c.y.
Emb. = 0 c.y.

568+50

R/W R/W

360
350

C = 351 s.f.
F = 0 s.f.

Exc. = 541 c.y.
Emb. = 0 c.y.

568+00

R/W R/W

370
360
350

C = 234 s.f.
F = 0 s.f.

Exc. = 329 c.y.
Emb. = 0 c.y.

567+50

R/W R/W

370
360
350

C = 121 s.f.
F = 0 s.f.

Exc. = 195 c.y.
Emb. = 0 c.y.

567+00

R/W R/W

370
360
350

C = 90 s.f.
F = 0 s.f.

Exc. = 437 c.y.
Emb. = 0 c.y.

566+50

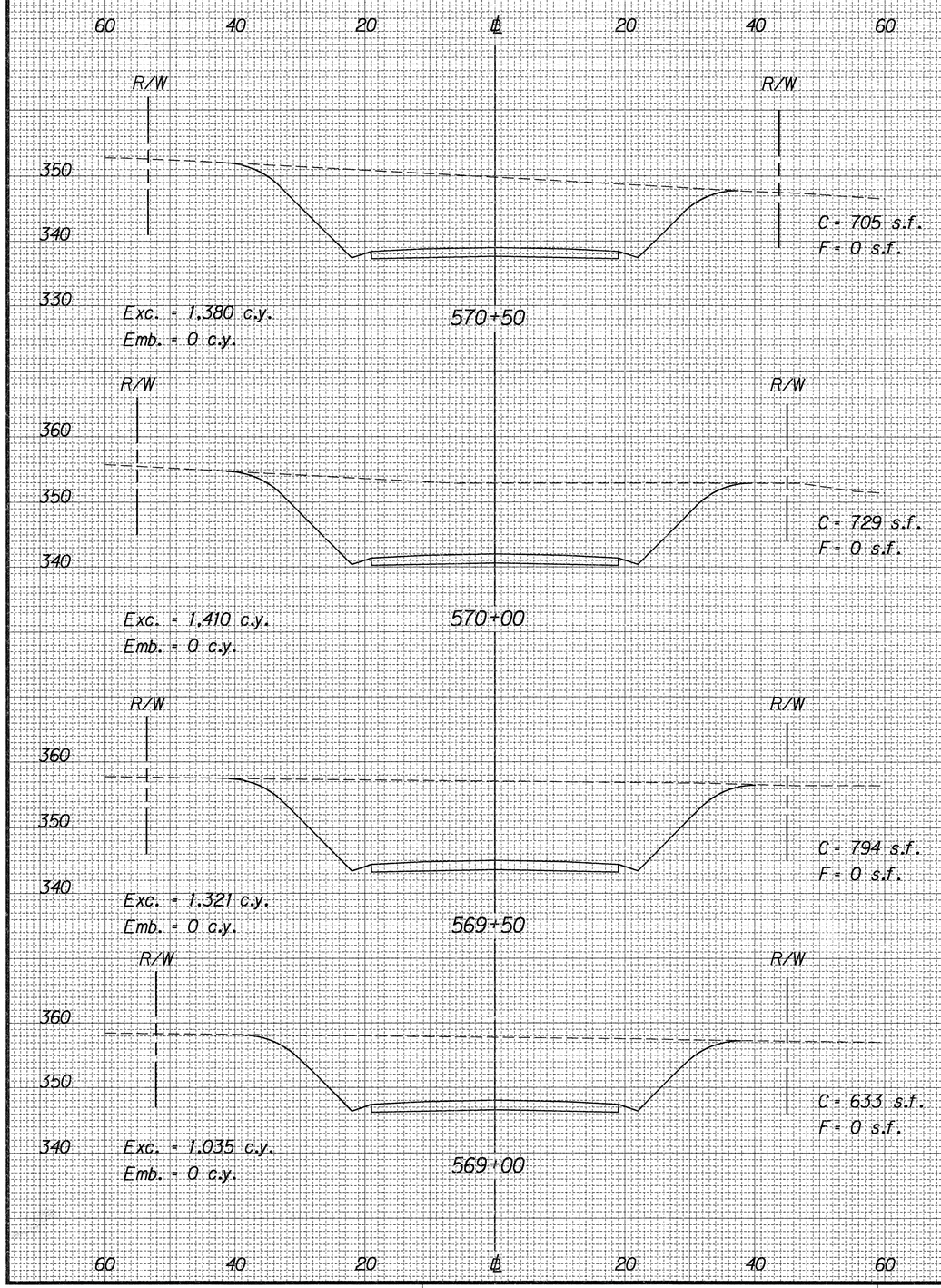
60 40 20 ℄ 20 40 60

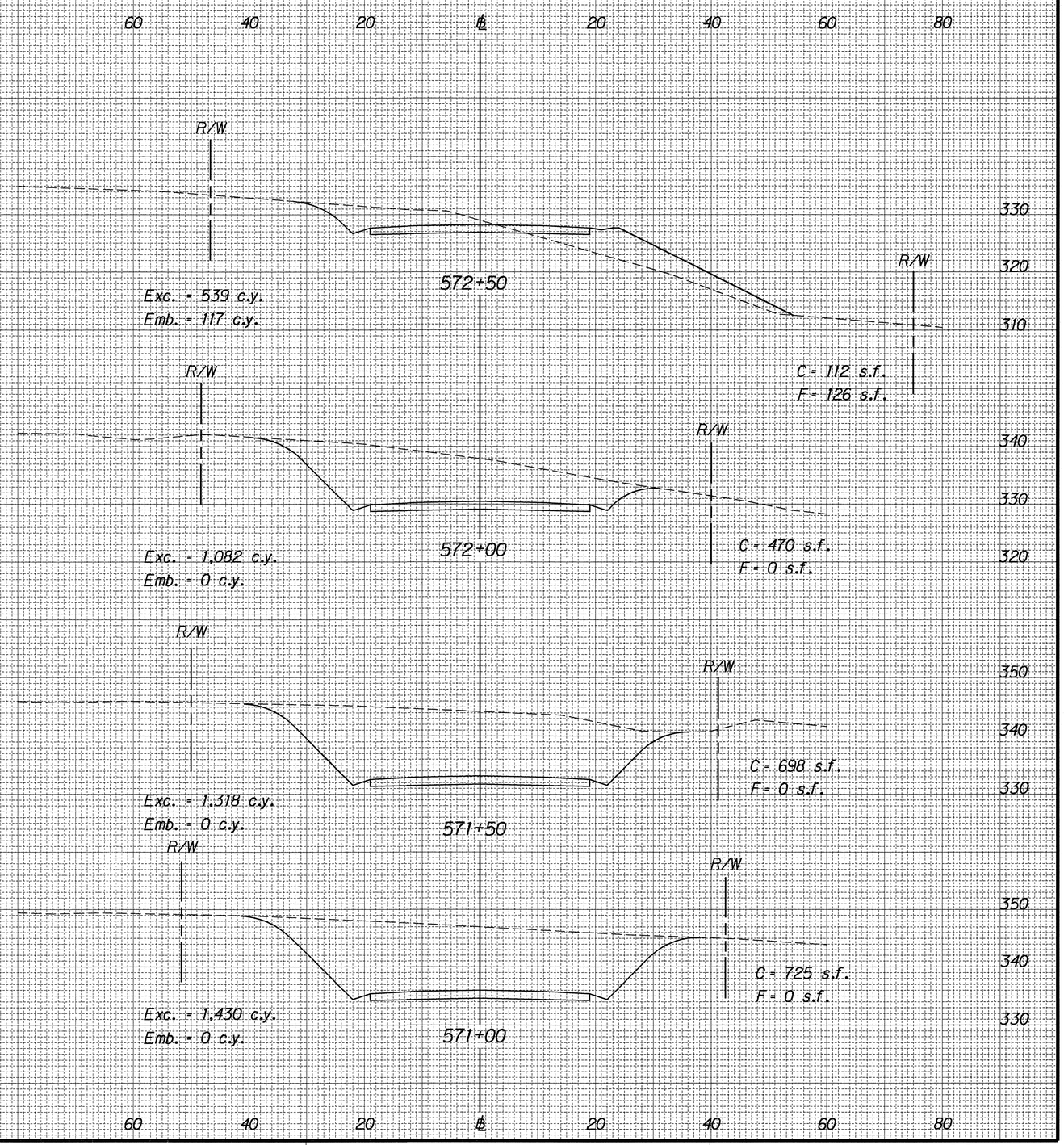
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NOTE BOOK No.

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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	102	126



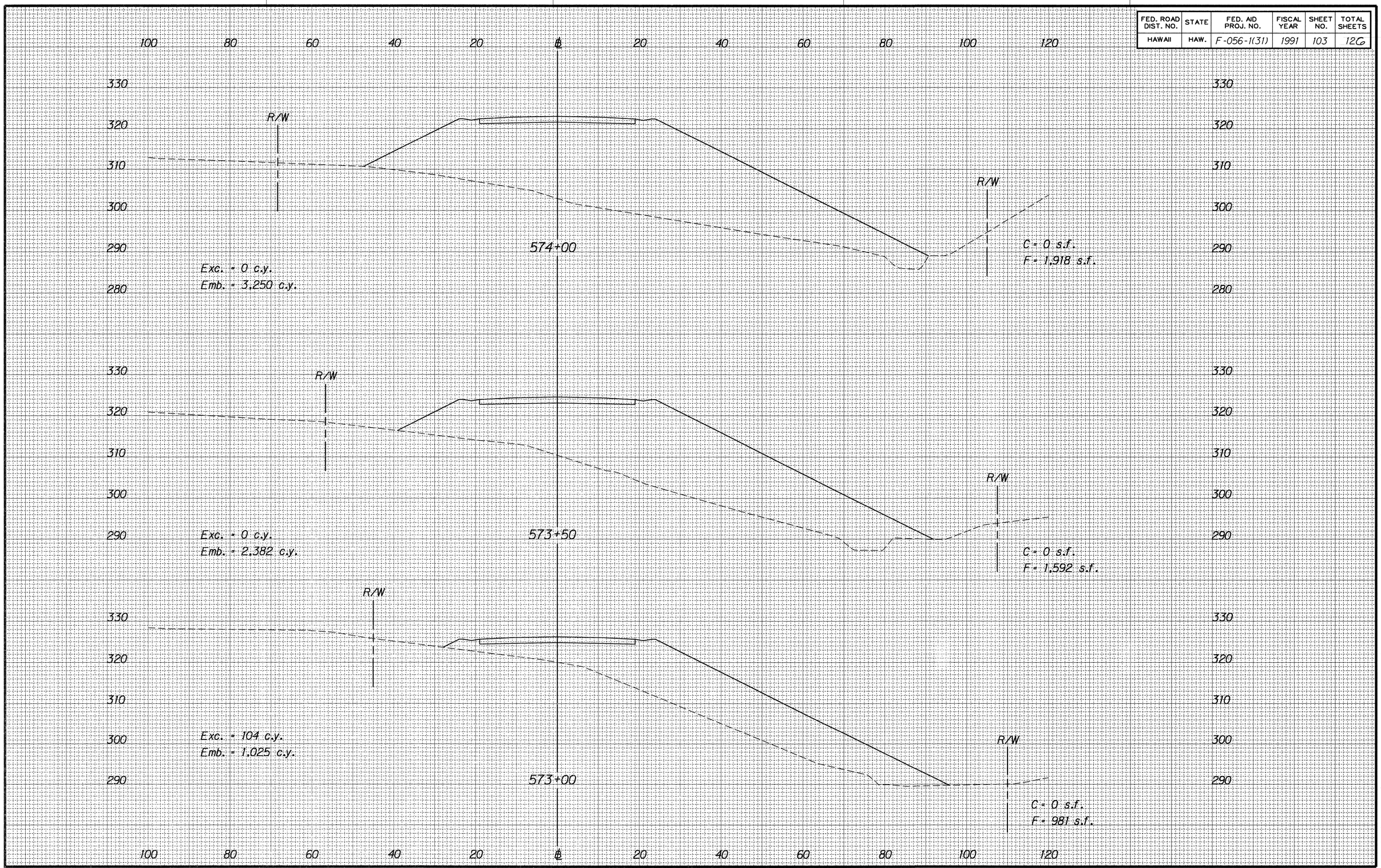


ORIGINAL PLAN

NOTE BOOK

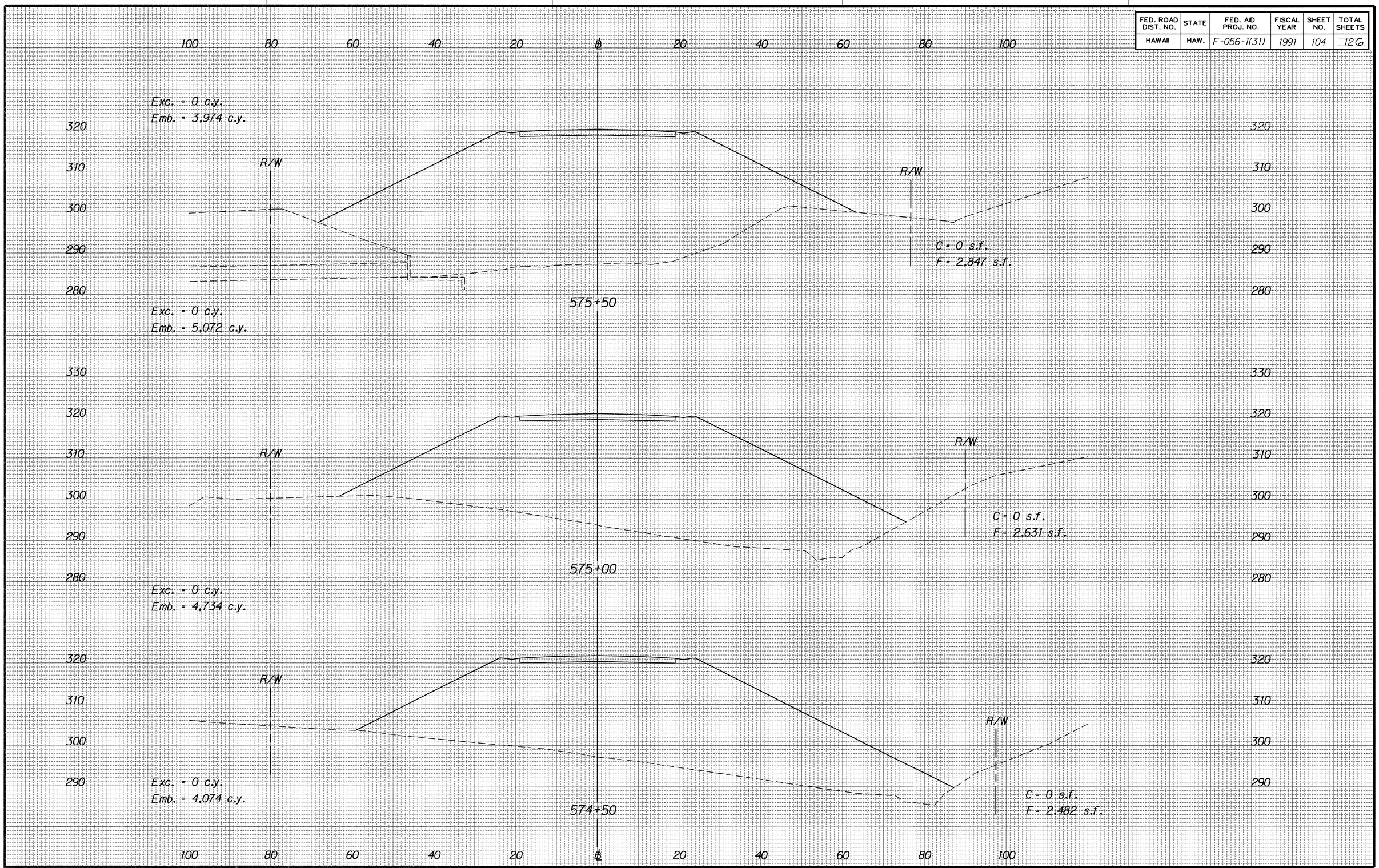
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	103	126



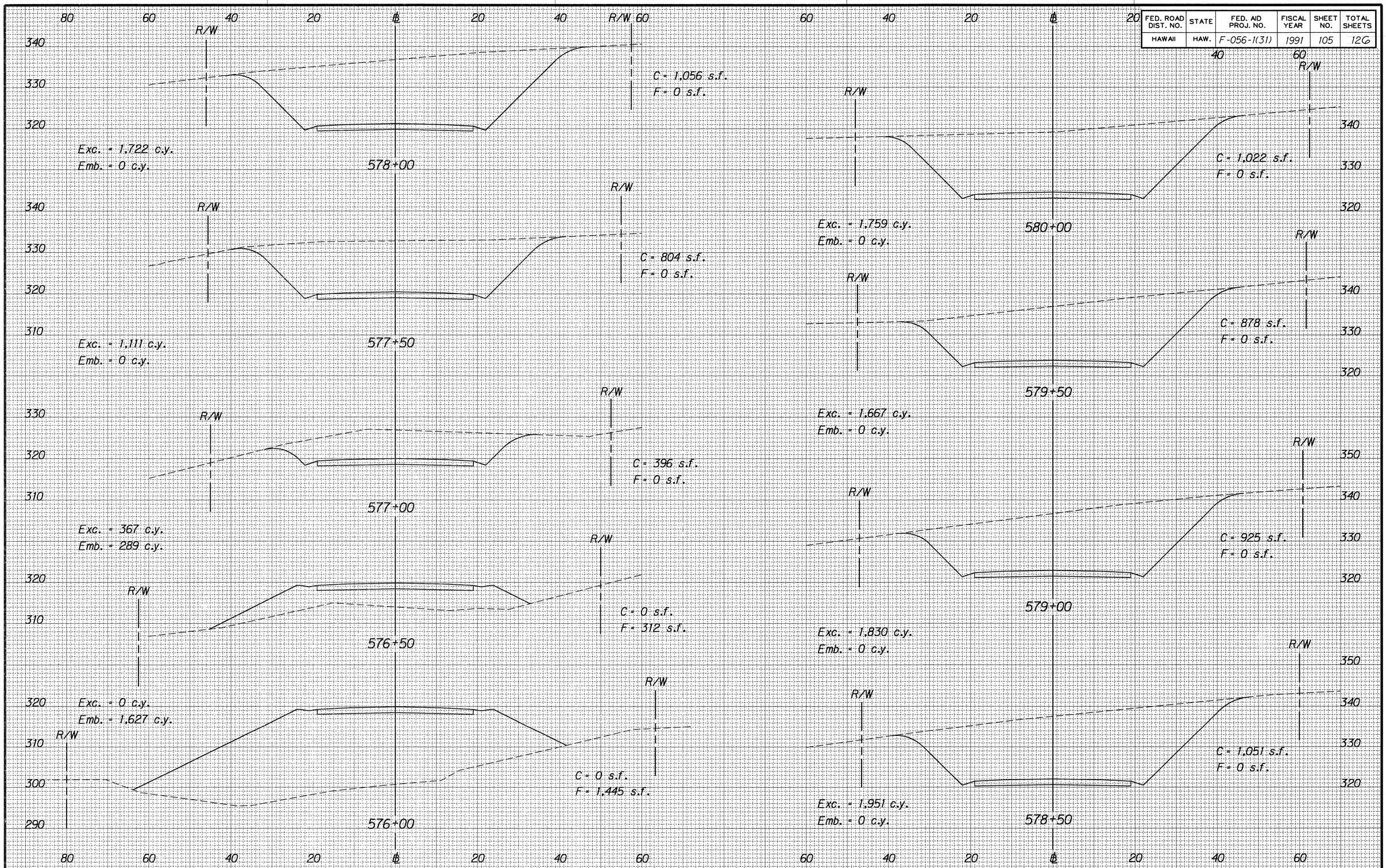
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	104	126



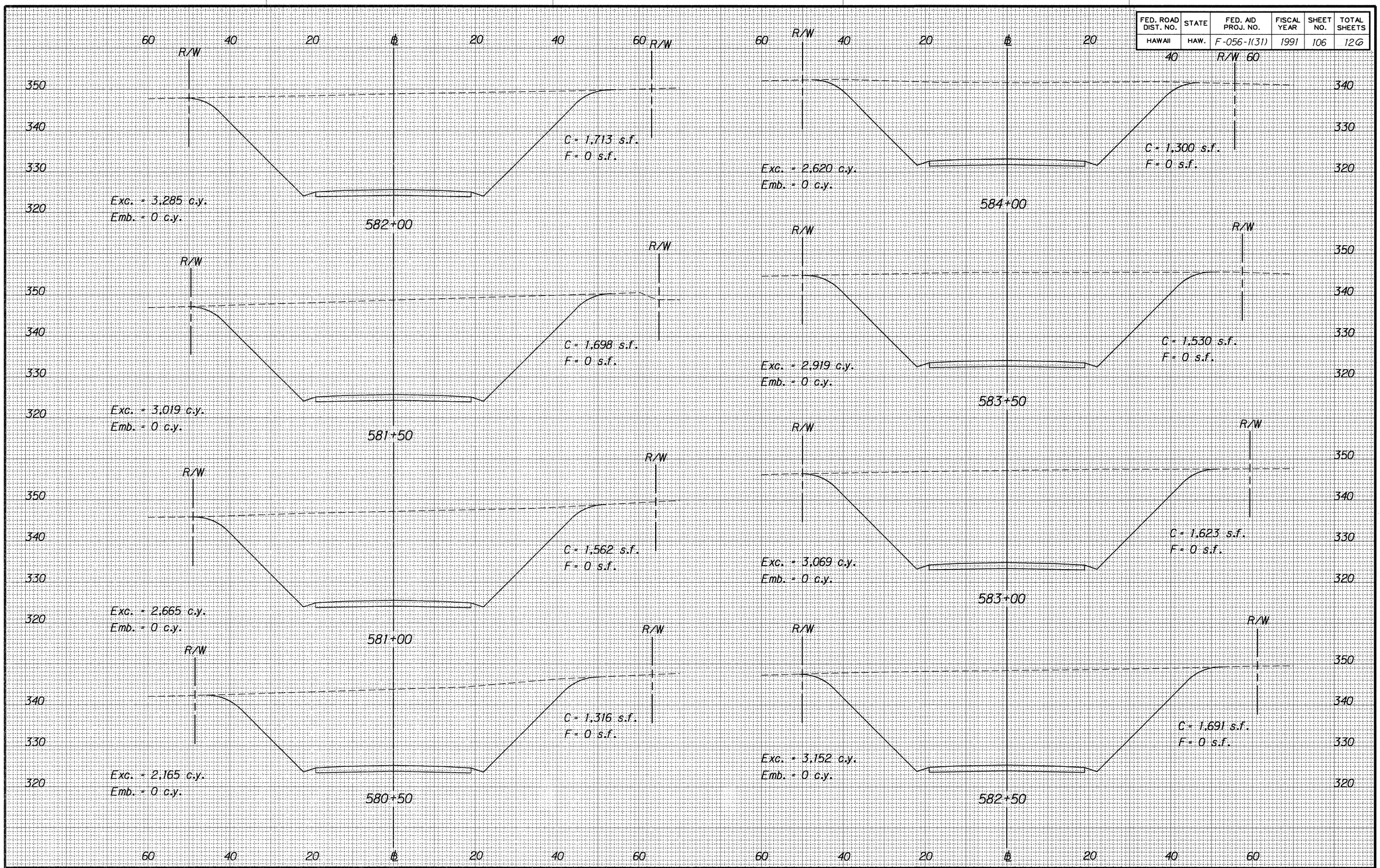
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	105	126



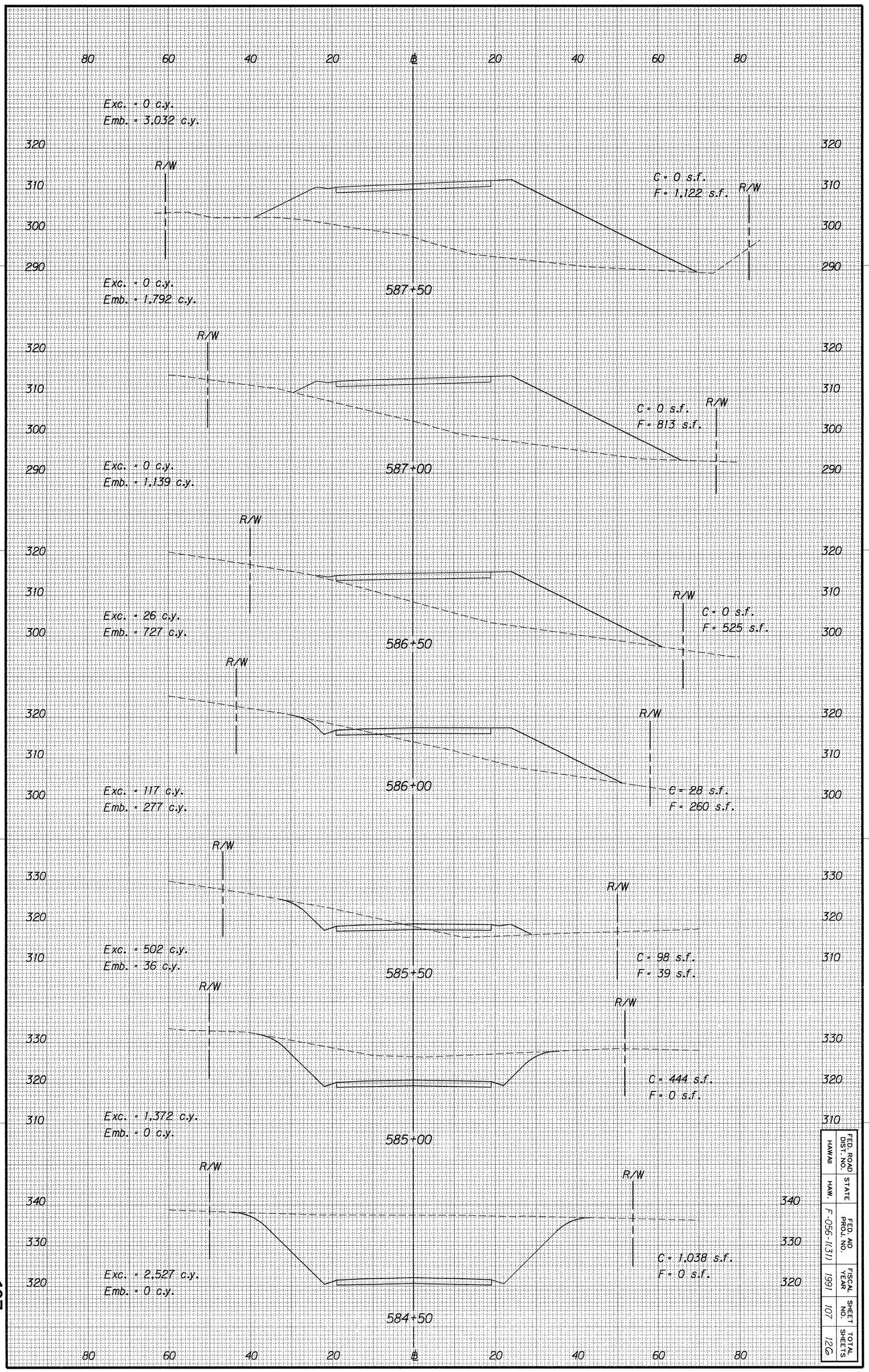
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	106	126



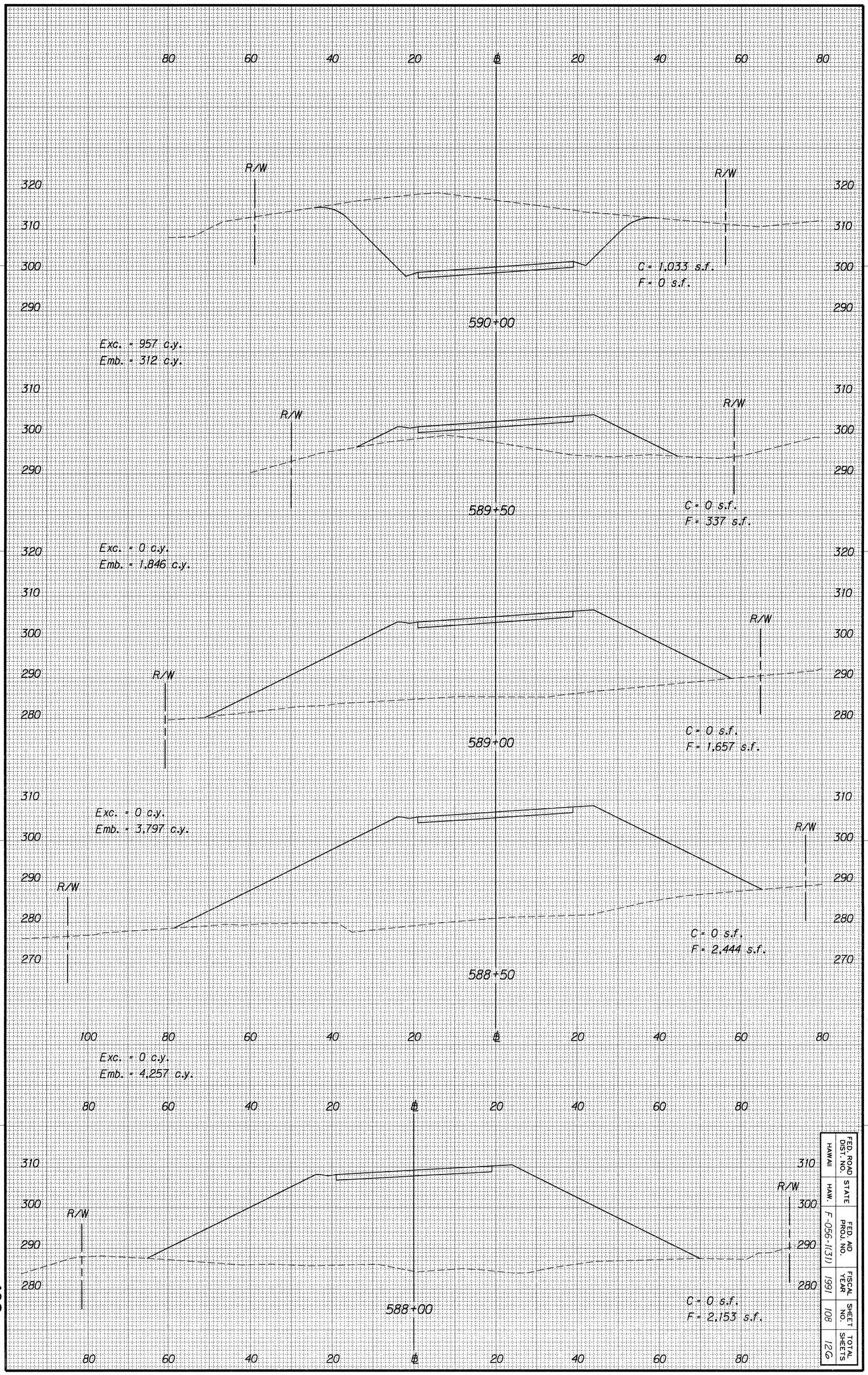
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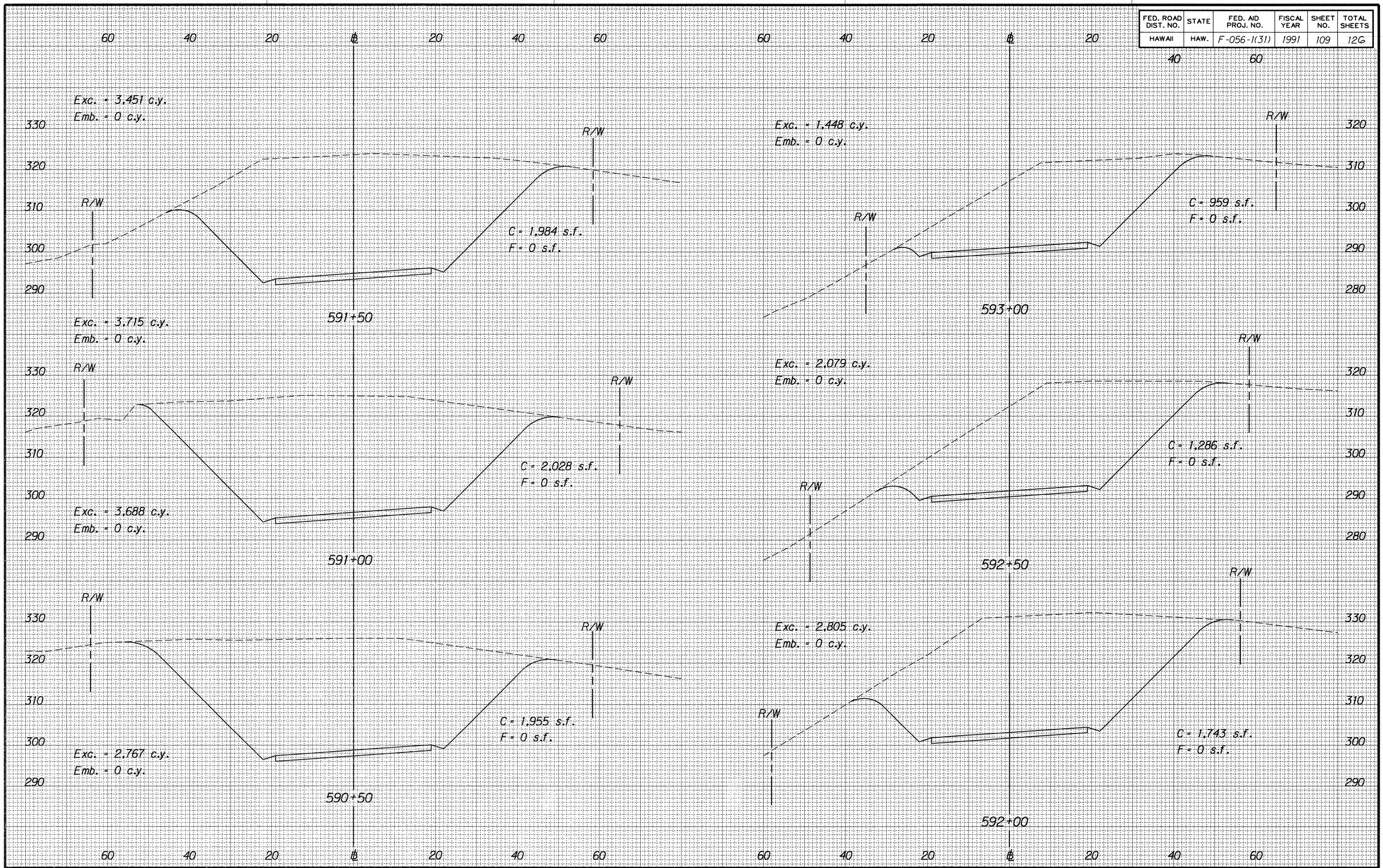
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HAWAII	HAW.	F-056-1(11)	1991	107	126

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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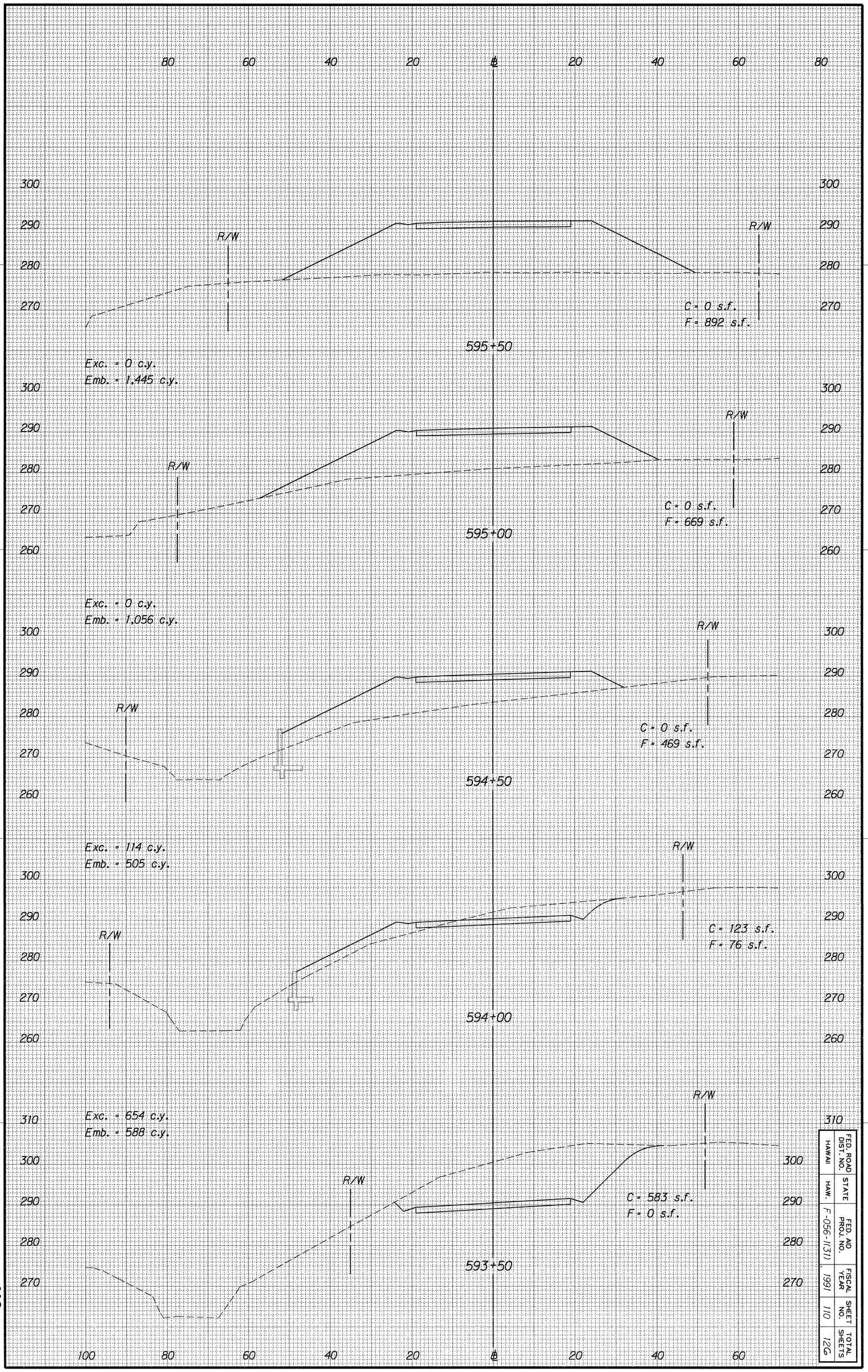
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-(131)	1991	108	126

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	109	126



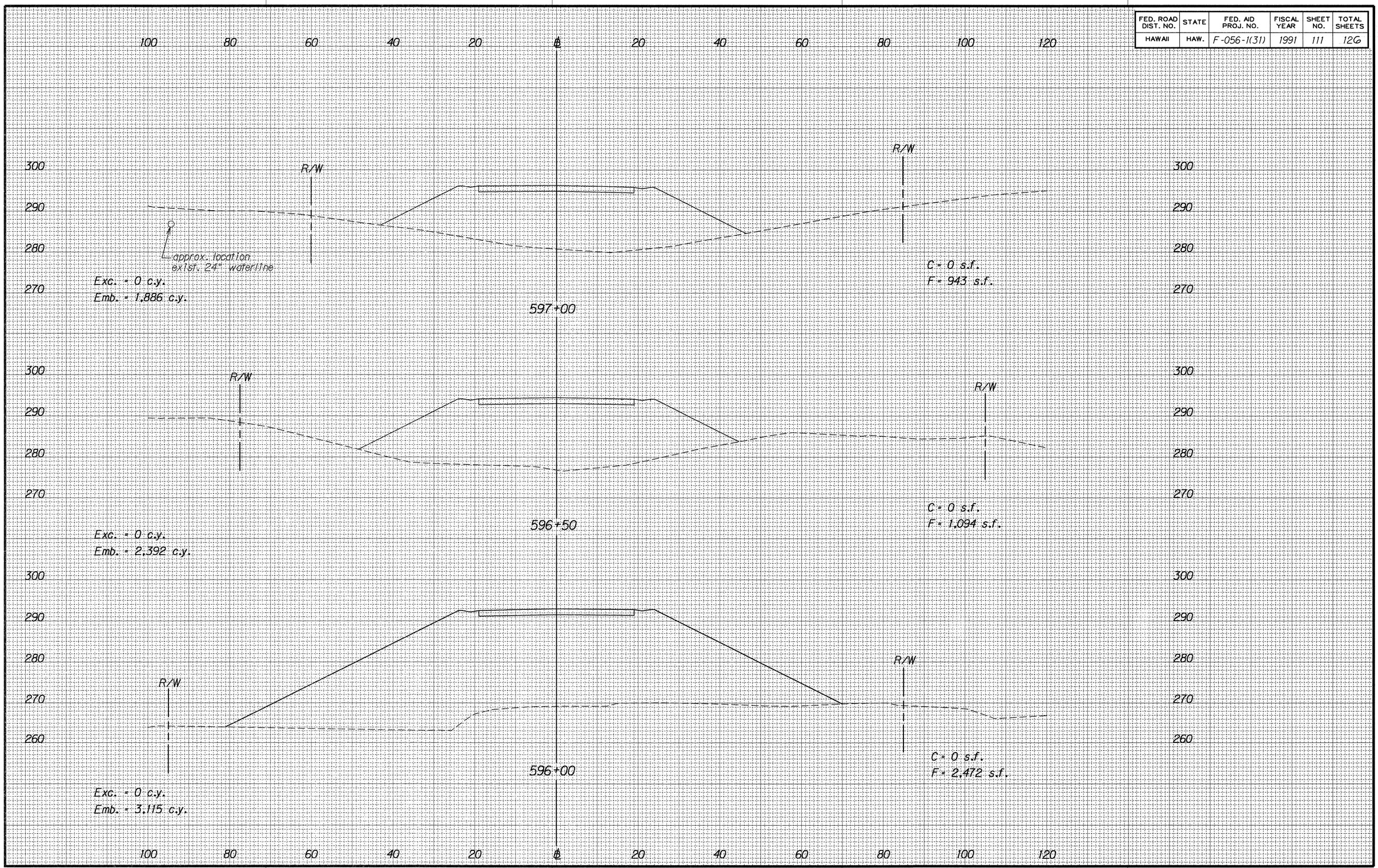
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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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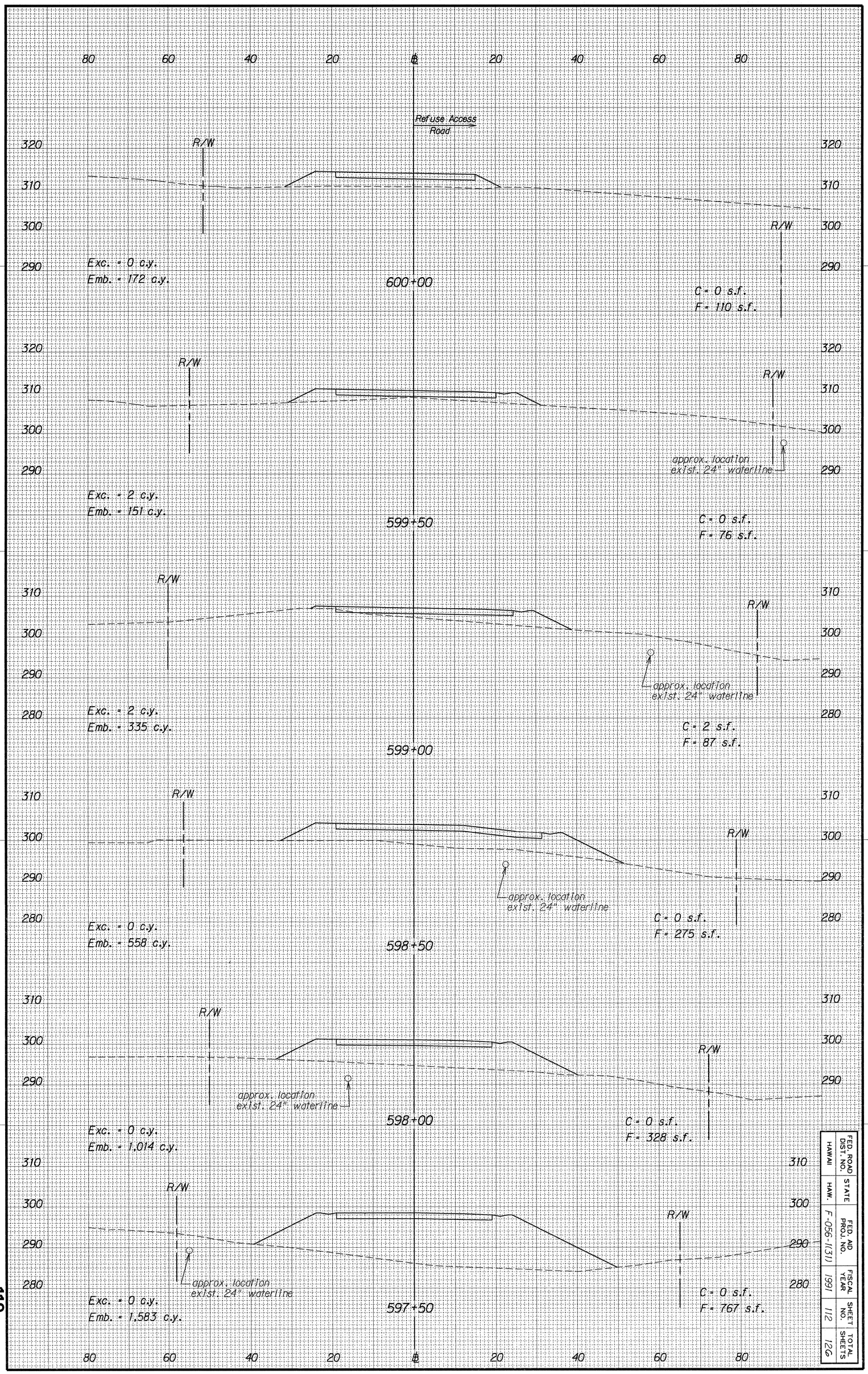
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HAWAII	HAW.	F-056-1(31)	1991	110	126

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	111	126



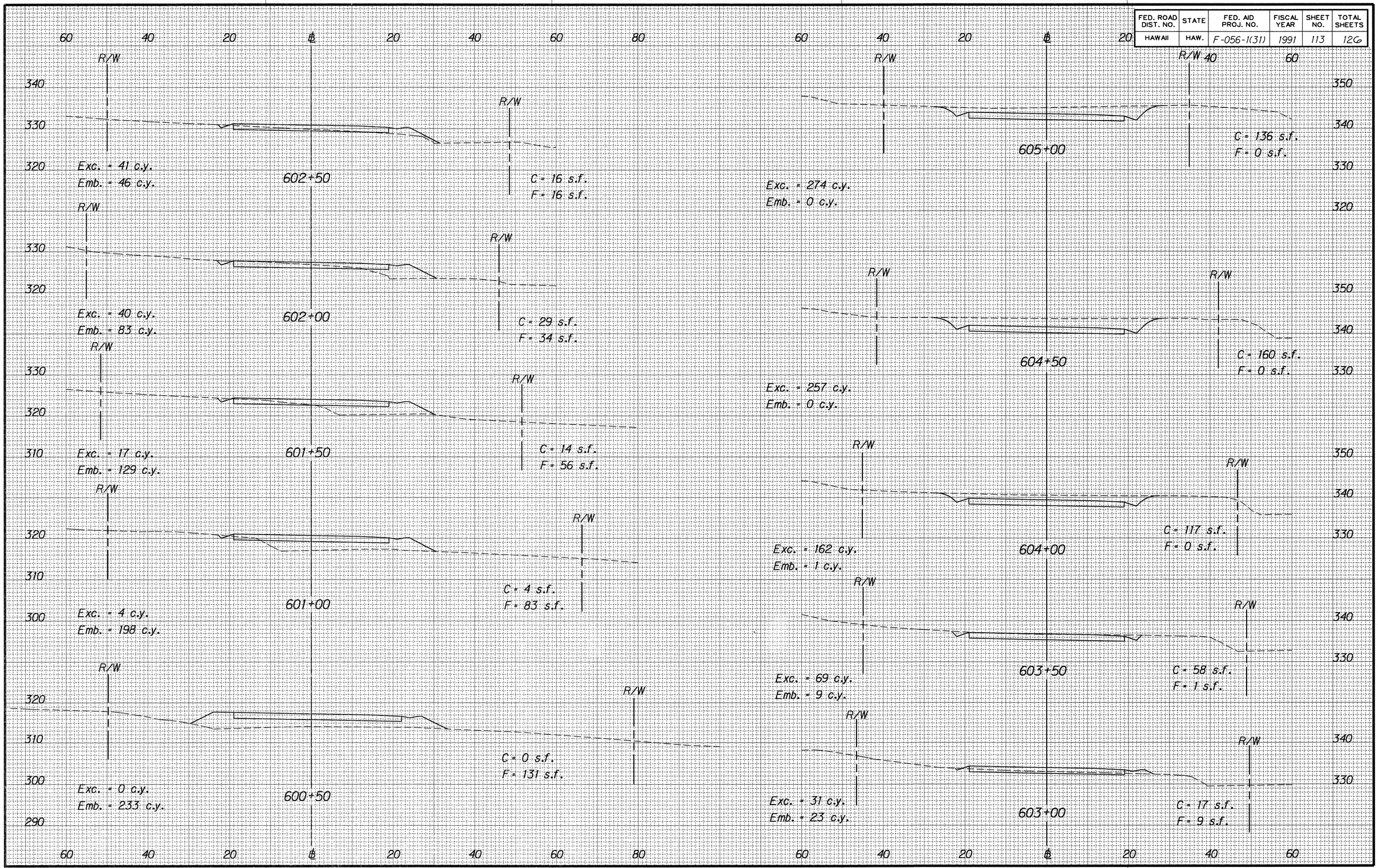
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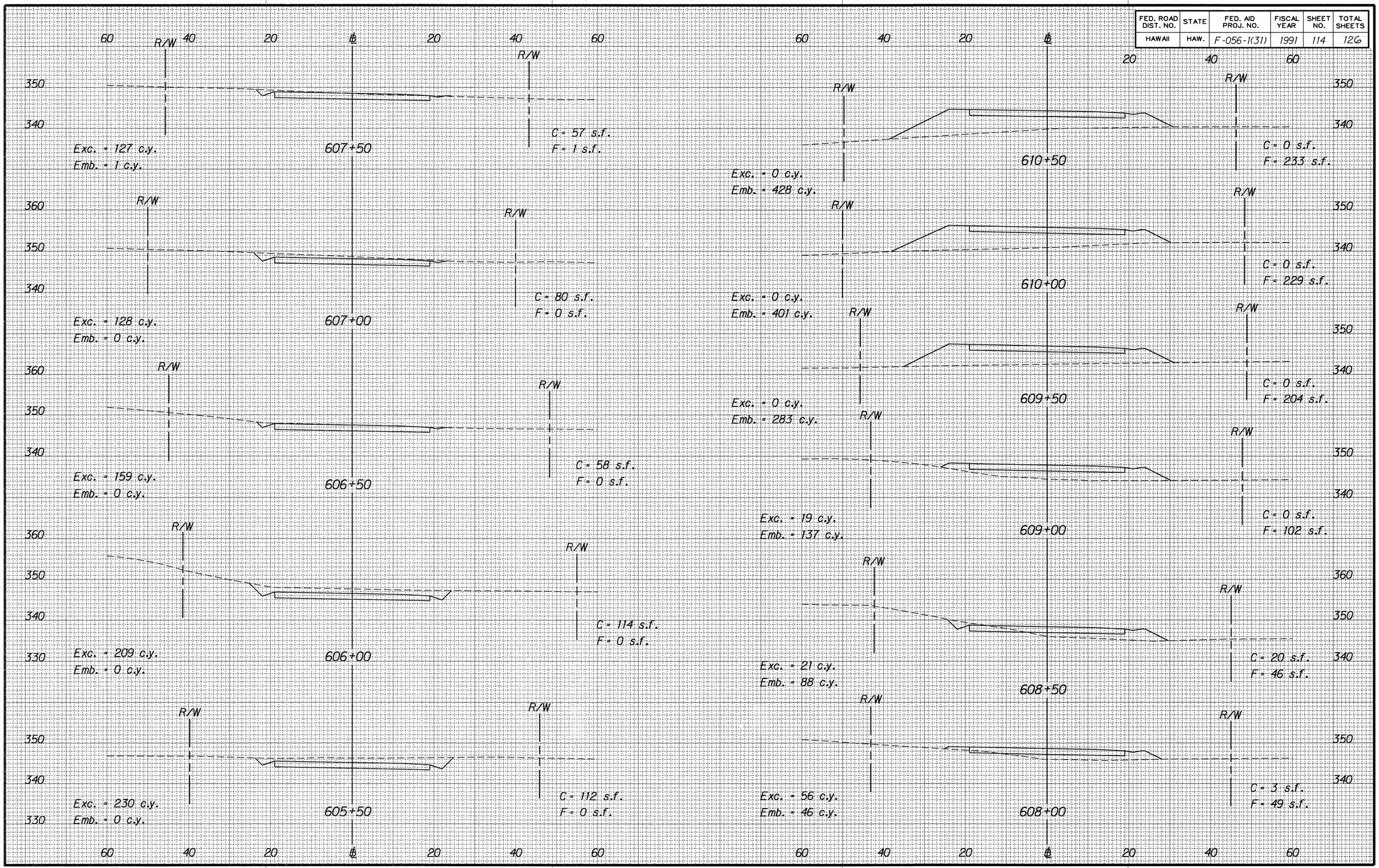
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HAWAII	HAW.	F-056-1(31)	1991	112	126

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	113	126



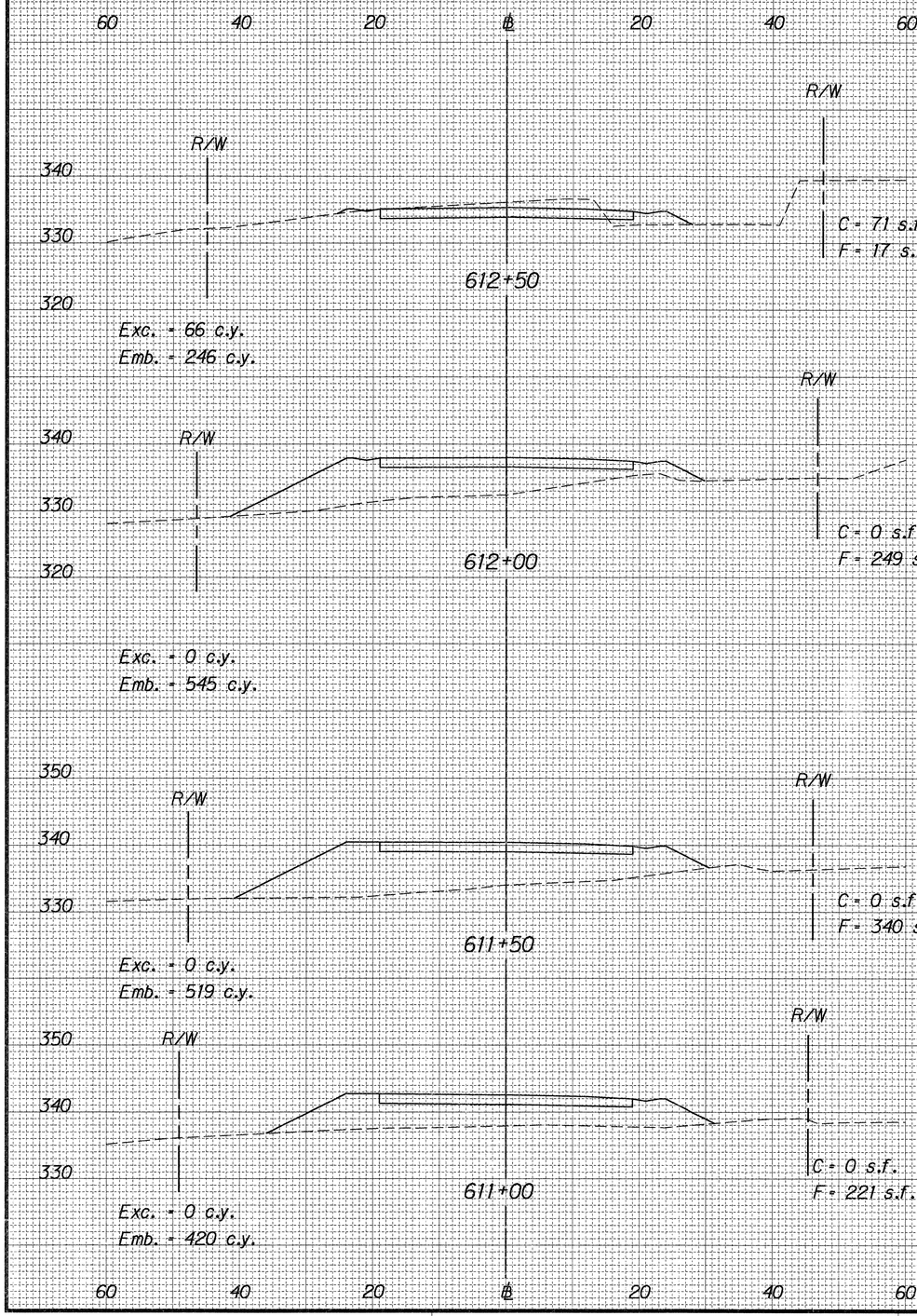
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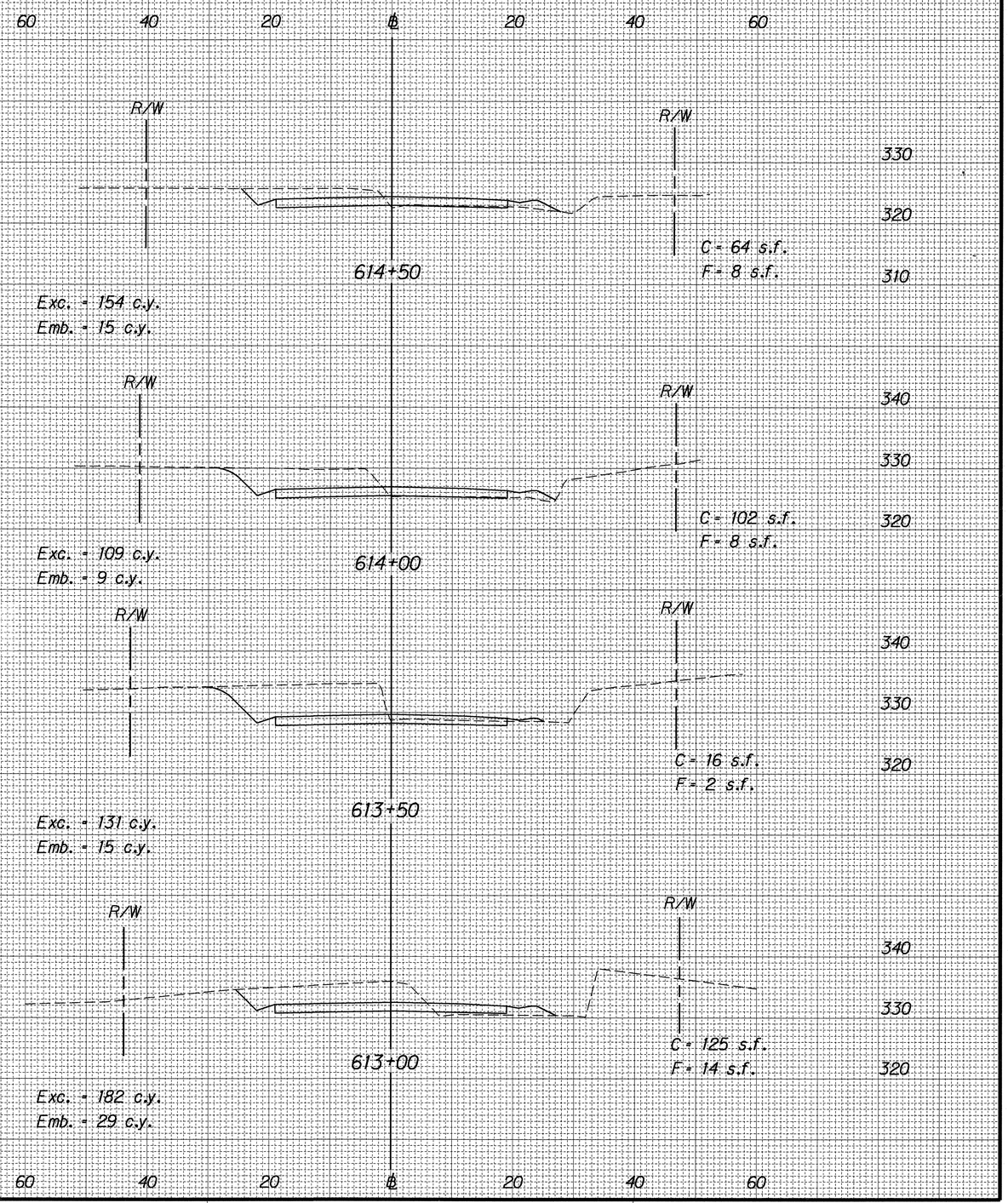
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	114	126



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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NOTE BOOK	DESIGNED BY	
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	115	126



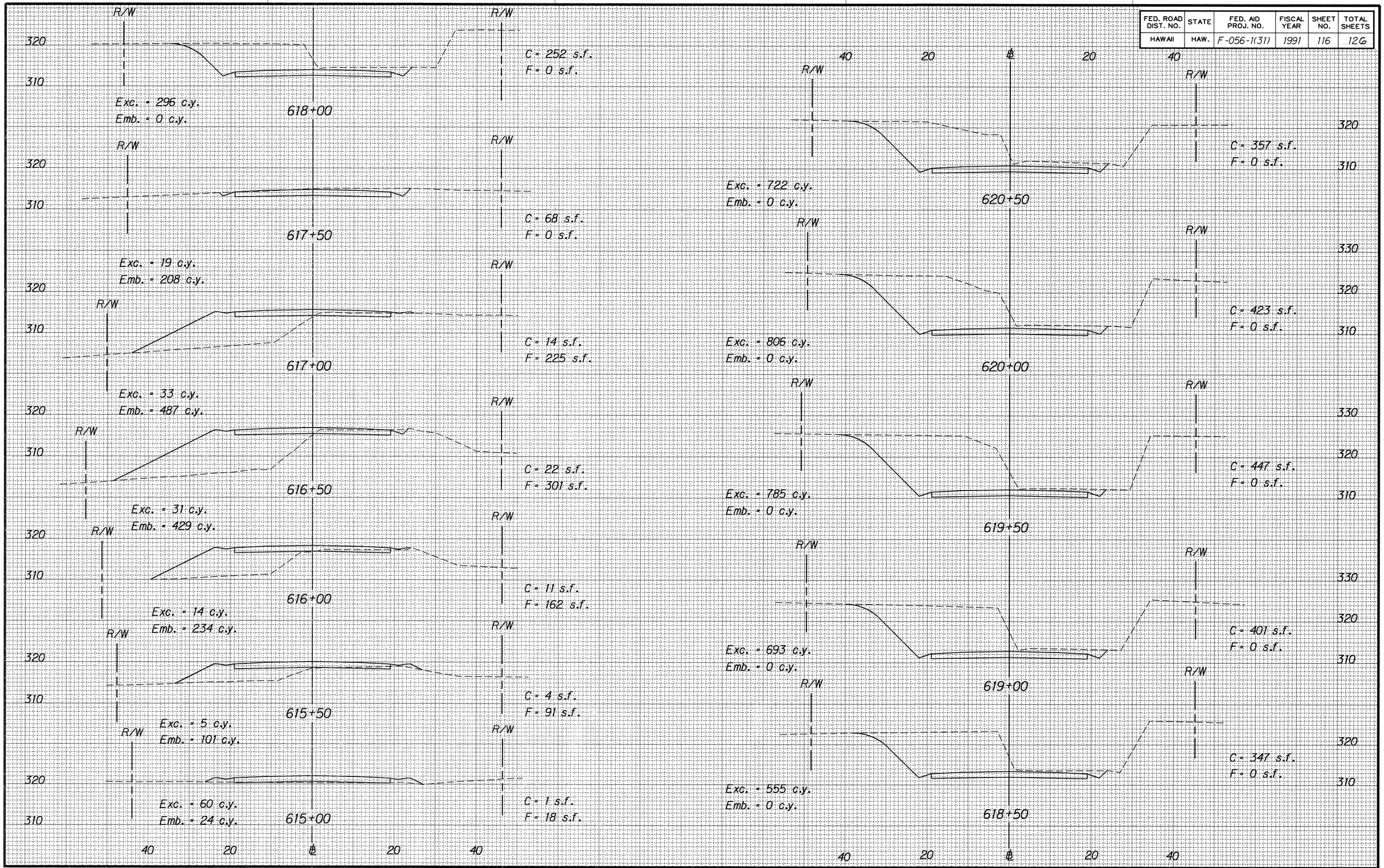


ORIGINAL PLAN

SURVEY PLOTTED BY
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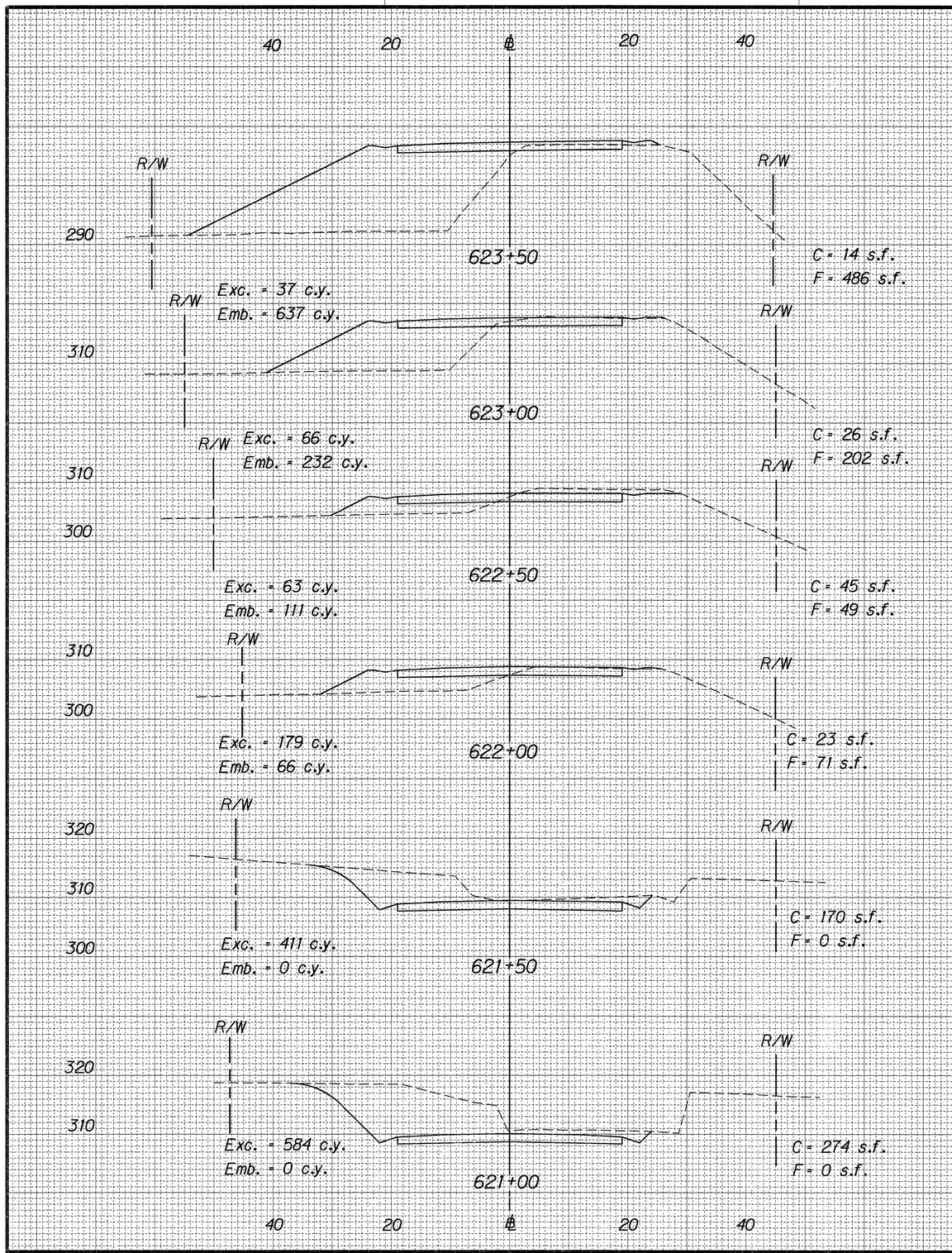
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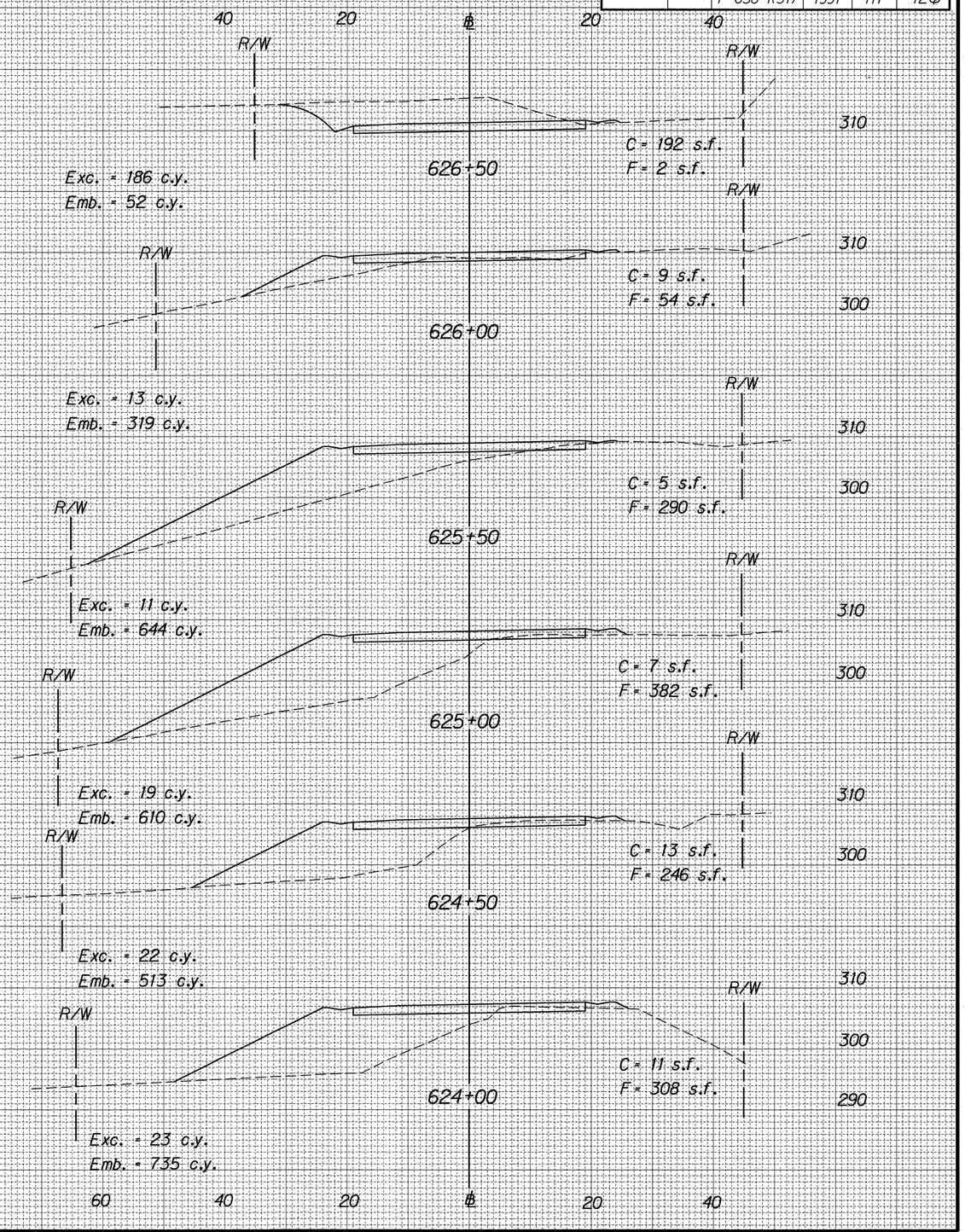
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	116	126



SURVEY PLOTTED BY
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY
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ORIGINAL PLAN
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	117	126





ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	118	126

40 20 ℄ 20 40

R/W R/W

320

310

Exc. = 331 c.y.
Emb. = 0 c.y.

629+50

C = 161 s.f.
F = 0 s.f.

R/W R/W

320

310

Exc. = 367 c.y.
Emb. = 0 c.y.

629+00

C = 196 s.f.
F = 0 s.f.

R/W R/W

320

310

Exc. = 422 c.y.
Emb. = 0 c.y.

628+50

C = 200 s.f.
F = 0 s.f.

R/W R/W

320

310

Exc. = 482 c.y.
Emb. = 0 c.y.

628+00

C = 256 s.f.
F = 0 s.f.

R/W R/W

320

310

Exc. = 530 c.y.
Emb. = 0 c.y.

627+50

C = 265 s.f.
F = 0 s.f.

R/W R/W

320

310

Exc. = 462 c.y.
Emb. = 2 c.y.

627+00

C = 307 s.f.
F = 0 s.f.

40 20 ℄ 20 40

R/W R/W

310

300

Exc. = 100 c.y.
Emb. = 16 c.y.

633+00

C = 22 s.f.
F = 16 s.f.

R/W R/W

310

300

Exc. = 171 c.y.
Emb. = 3 c.y.

632+50

C = 86 s.f.
F = 1 s.f.

R/W R/W

320

310

Exc. = 169 c.y.
Emb. = 3 c.y.

632+00

C = 99 s.f.
F = 2 s.f.

R/W R/W

320

310

Exc. = 116 c.y.
Emb. = 17 c.y.

631+50

C = 84 s.f.
F = 1 s.f.

R/W R/W

320

310

Exc. = 75 c.y.
Emb. = 31 c.y.

631+00

C = 41 s.f.
F = 17 s.f.

R/W R/W

320

310

Exc. = 103 c.y.
Emb. = 15 c.y.

630+50

C = 40 s.f.
F = 16 s.f.

R/W R/W

320

310

Exc. = 215 c.y.
Emb. = 0 c.y.

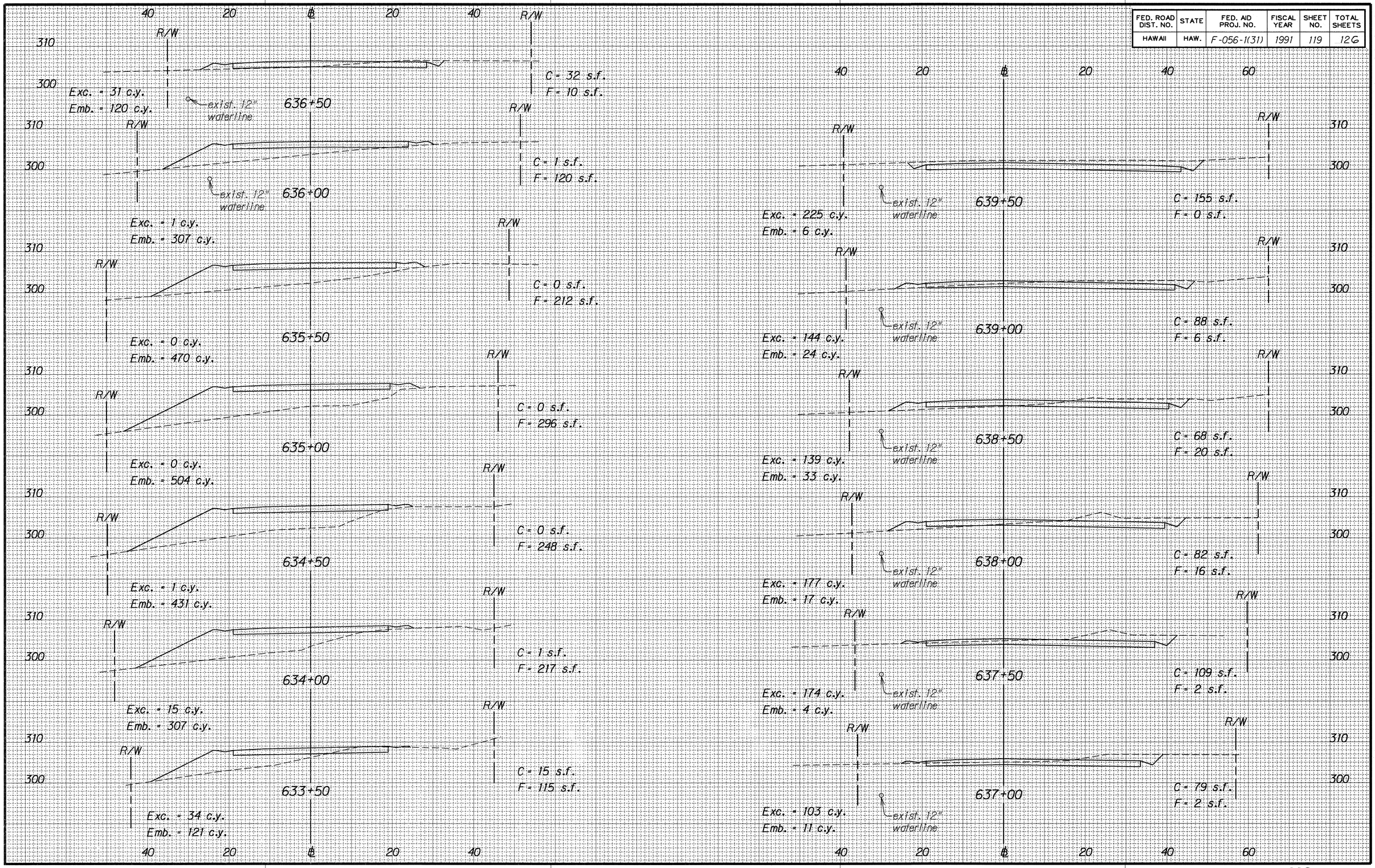
630+00

C = 71 s.f.
F = 0 s.f.

40 20 ℄ 20 40

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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NOTE BOOK	DESIGNED BY	
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No.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	119	126



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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NOTE BOOK	DESIGNED BY	
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FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	120	126

40 20 ℄ 20 40 60

642+50
63.47'
R/W
300
290
Exc. = 116 c.y.
Emb. = 48 c.y.
exist. 12" waterline
C = 49 s.f.
F = 23 s.f.

642+00
65.01'
R/W
300
290
Exc. = 186 c.y.
Emb. = 27 c.y.
exist. 12" waterline
C = 76 s.f.
F = 29 s.f.

641+50
90.00'
R/W
300
290
Exc. = 274 c.y.
Emb. = 0 c.y.
exist. 12" waterline
C = 125 s.f.
F = 0 s.f.

641+00
90.00'
R/W
300
290
Exc. = 307 c.y.
Emb. = 0 c.y.
exist. 12" waterline
C = 171 s.f.
F = 0 s.f.

640+50
65.00'
R/W
300
290
Exc. = 306 c.y.
Emb. = 0 c.y.
exist. 12" waterline
C = 161 s.f.
F = 0 s.f.

640+00
65.00'
R/W
300
290
Exc. = 300 c.y.
Emb. = 0 c.y.
exist. 12" waterline
C = 169 s.f.
F = 0 s.f.

40 20 ℄ 20 40

645+50
R/W
300
290
Exc. = 111 c.y.
Emb. = 10 c.y.
exist. 12" waterline
R/W
C = 66 s.f.
F = 5 s.f.

645+00
R/W
300
290
Exc. = 123 c.y.
Emb. = 11 c.y.
exist. 12" waterline
R/W
C = 54 s.f.
F = 6 s.f.

644+50
R/W
300
290
Exc. = 123 c.y.
Emb. = 9 c.y.
exist. 12" waterline
R/W
C = 79 s.f.
F = 6 s.f.

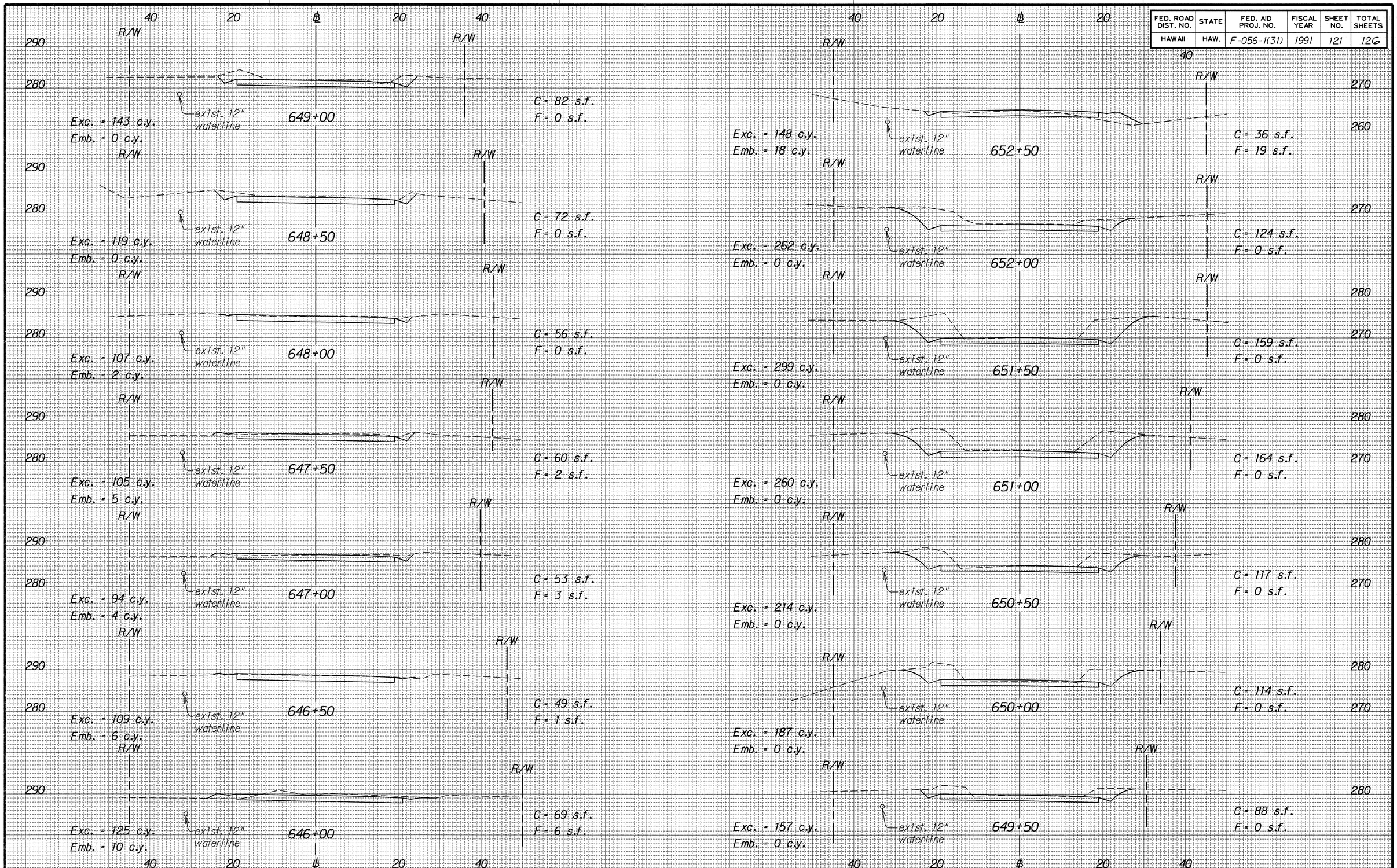
644+00
R/W
300
290
Exc. = 111 c.y.
Emb. = 8 c.y.
exist. 12" waterline
R/W
C = 54 s.f.
F = 4 s.f.

643+50
R/W
300
290
Exc. = 140 c.y.
Emb. = 12 c.y.
exist. 12" waterline
R/W
C = 66 s.f.
F = 5 s.f.

643+00
R/W
300
290
Exc. = 124 c.y.
Emb. = 29 c.y.
exist. 12" waterline
R/W
C = 85 s.f.
F = 8 s.f.

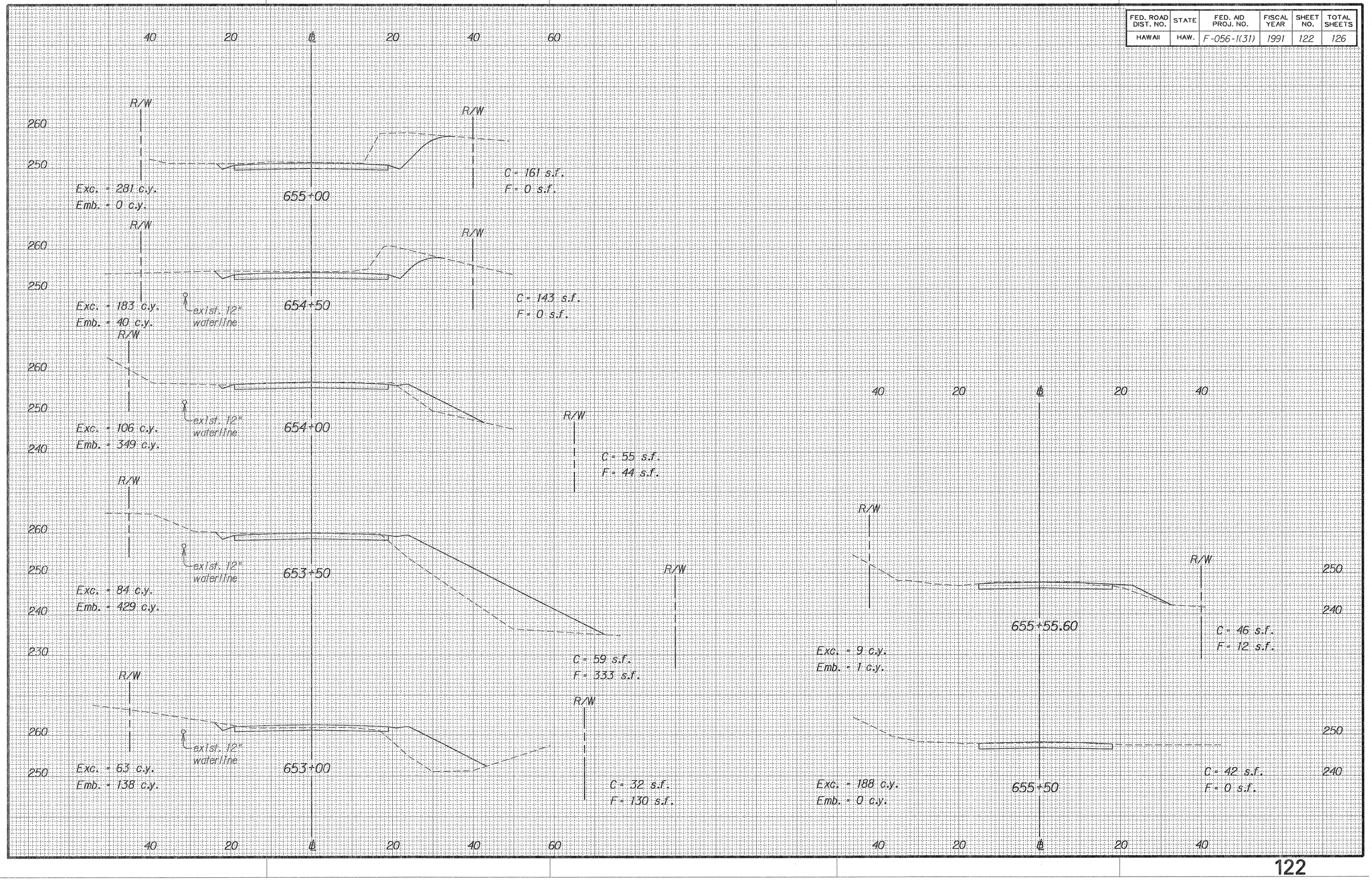
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
N.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	121	126



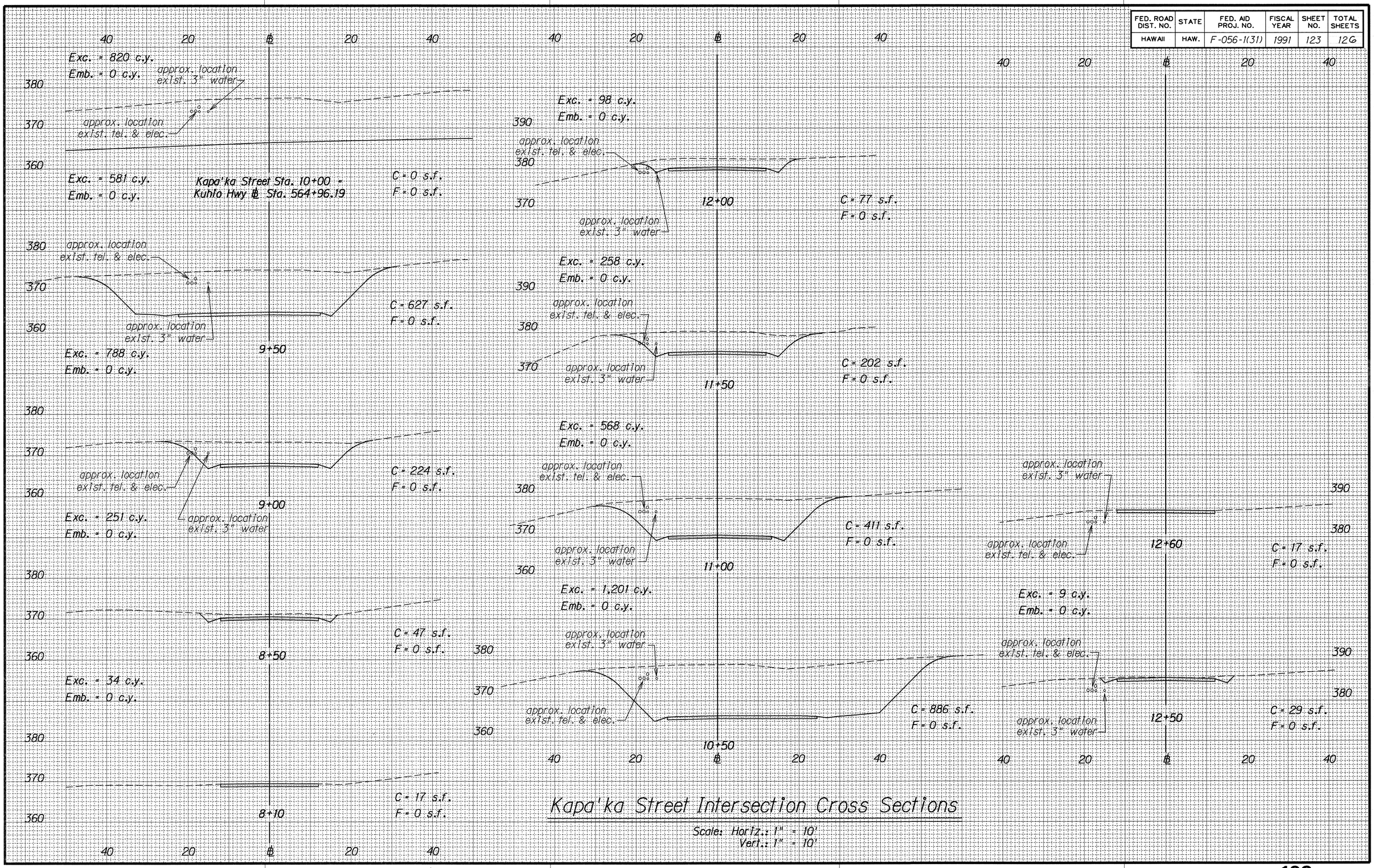
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
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	TRACED BY	
NOTE BOOK	DESIGNED BY	
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No.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	122	126



ORIGINAL PLANS	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	
No.		

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	123	126

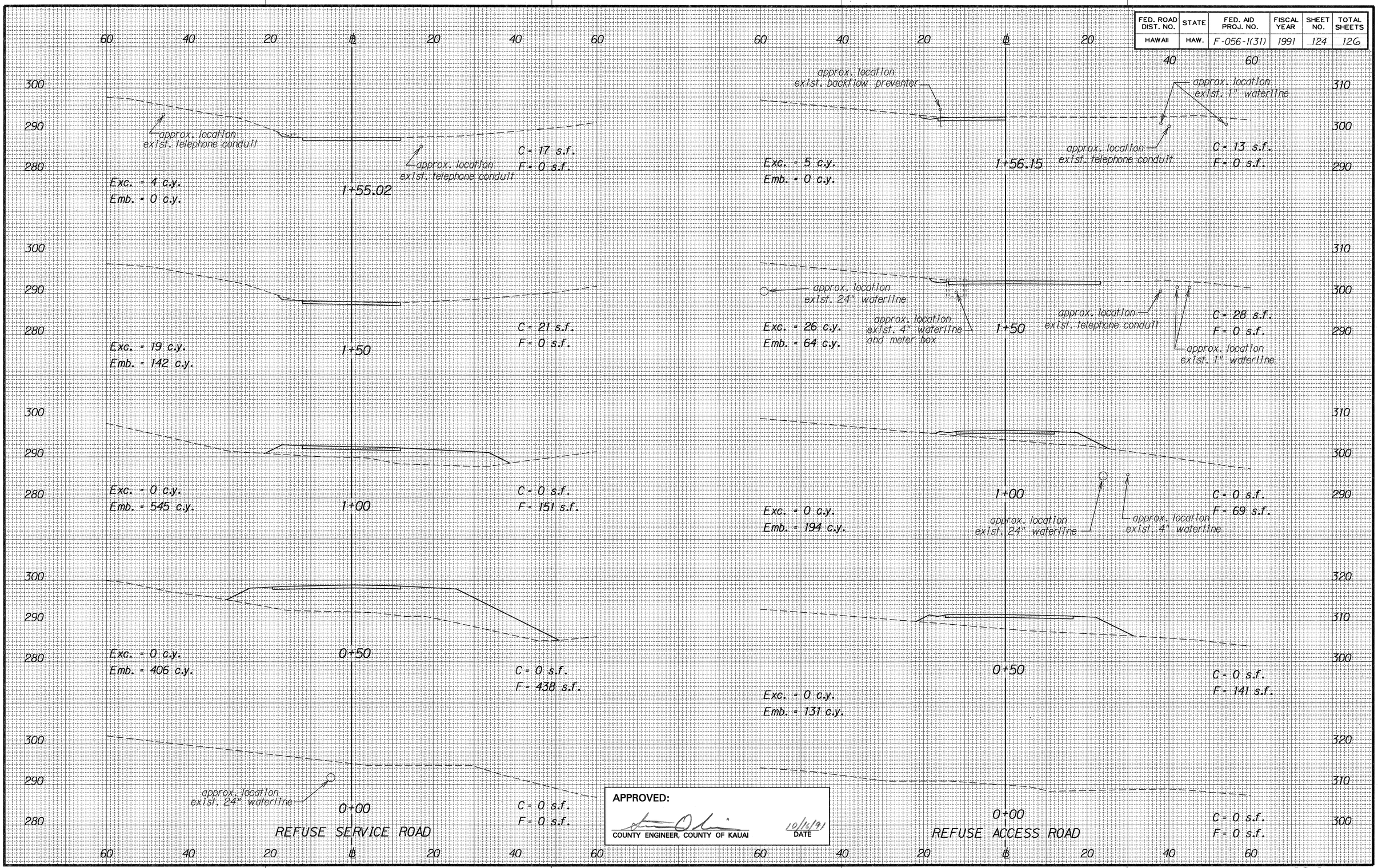


Kapa'ka Street Intersection Cross Sections

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

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	TRACED BY	
NOTE BOOK	DESIGNED BY	
	QUANTITIES BY	
No.	CHECKED BY	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-056-1(31)	1991	124	126



APPROVED:

COUNTY ENGINEER, COUNTY OF KAUAI — DATE 10/16/91

ORIGINAL MAP	STRIPT PLOTTED BY	DATE
	ROAD PLOTTED BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
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No.	CHECKED BY	