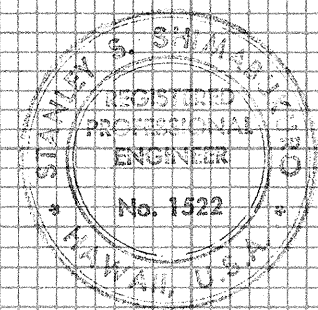
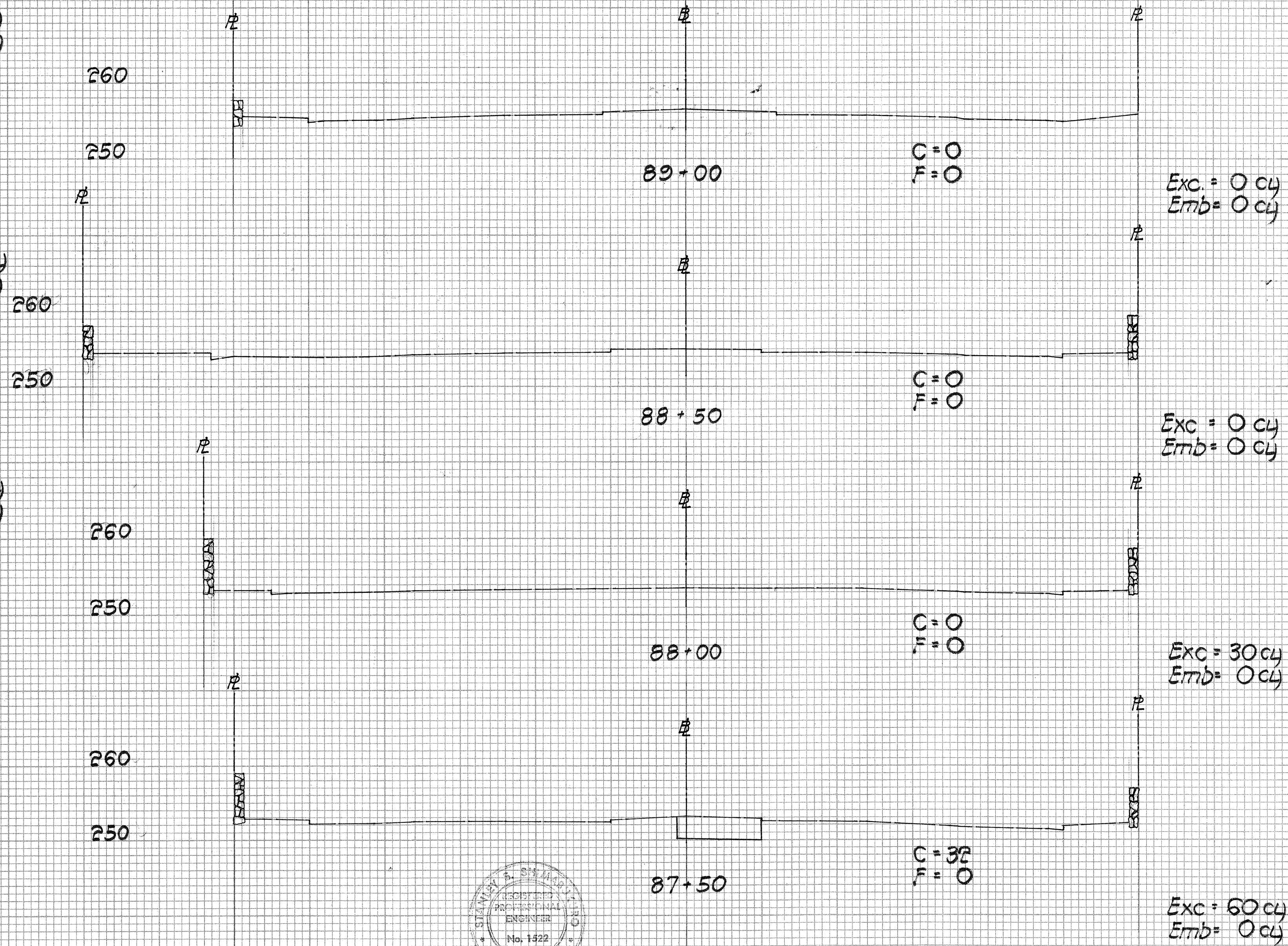
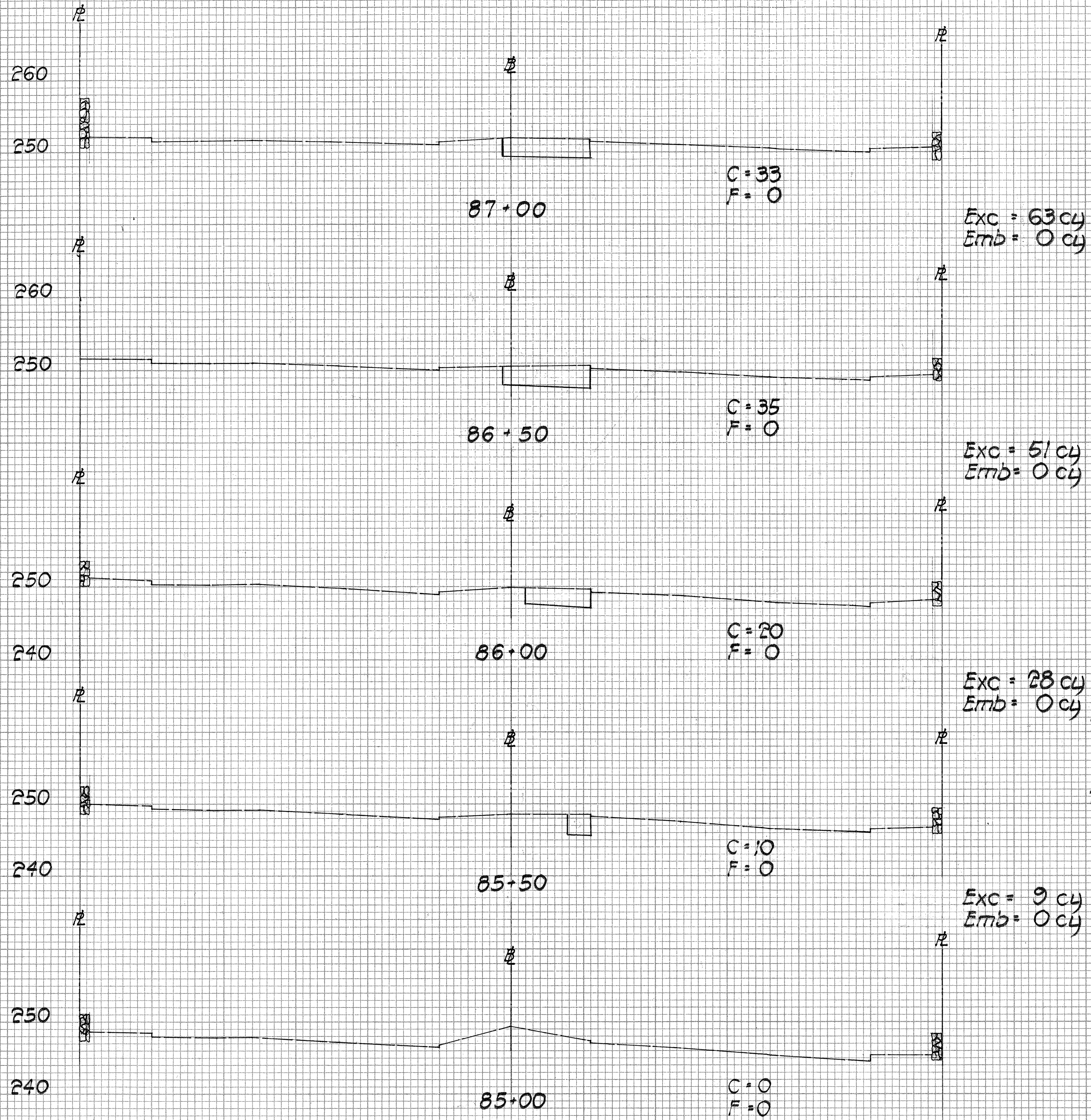


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1988	37	49

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

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



Scale: 1"=10'

THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION
Stanley J. Chinnakos
 PROFESSIONAL ENGINEER
 No. 1422
 HAWAII, U.S.A.

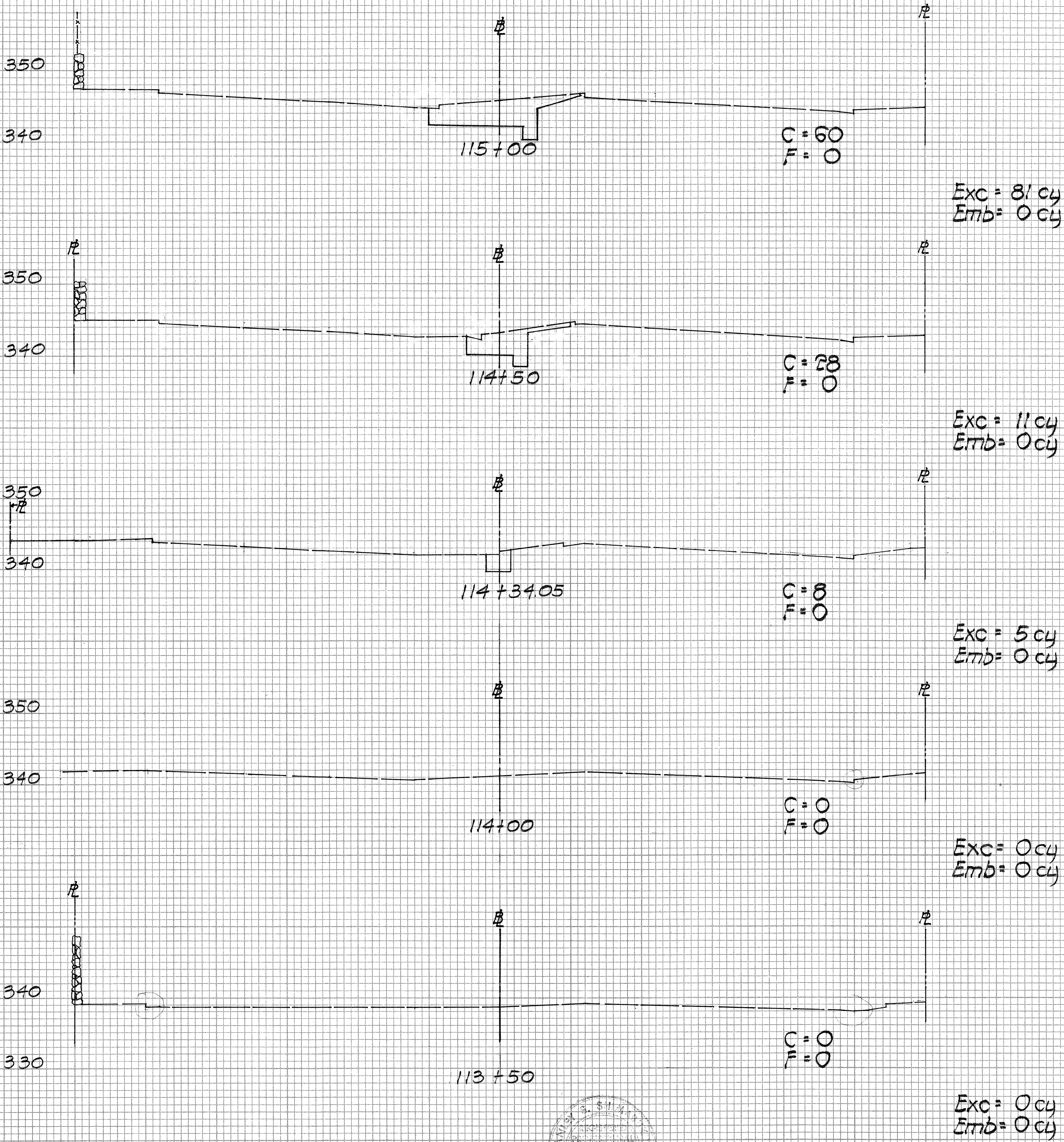
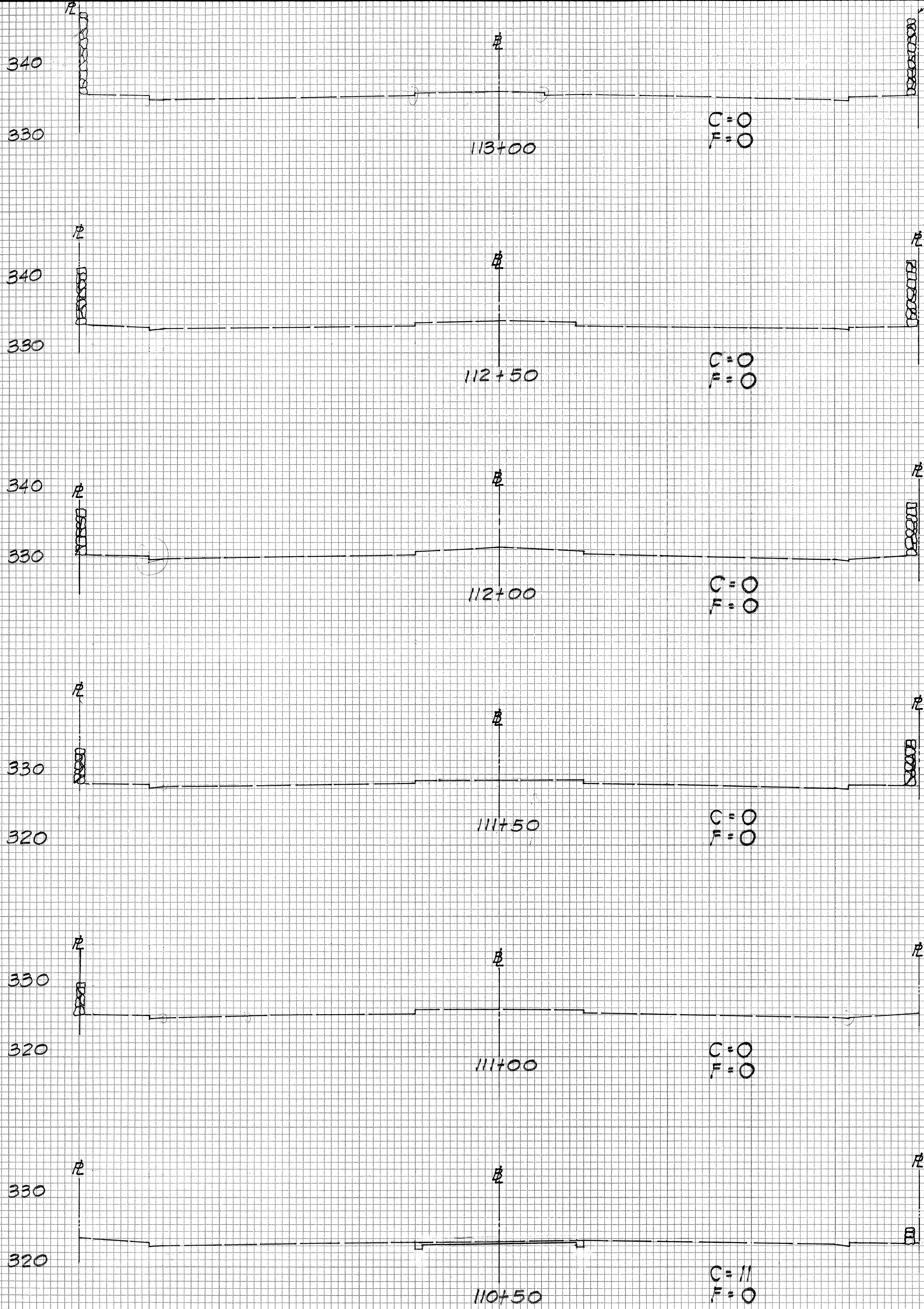
APPROVED FOR GRADING ONLY:

[Signature]
 CHIEF, DIVISION OF ENGINEERING, DPW DATE 11/17/88

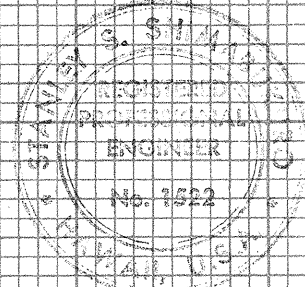
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1968	38	49

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

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



Scale: 1" = 10'



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AS OR UNDER MY SUPERVISION
Stanley J. Vignatolucio

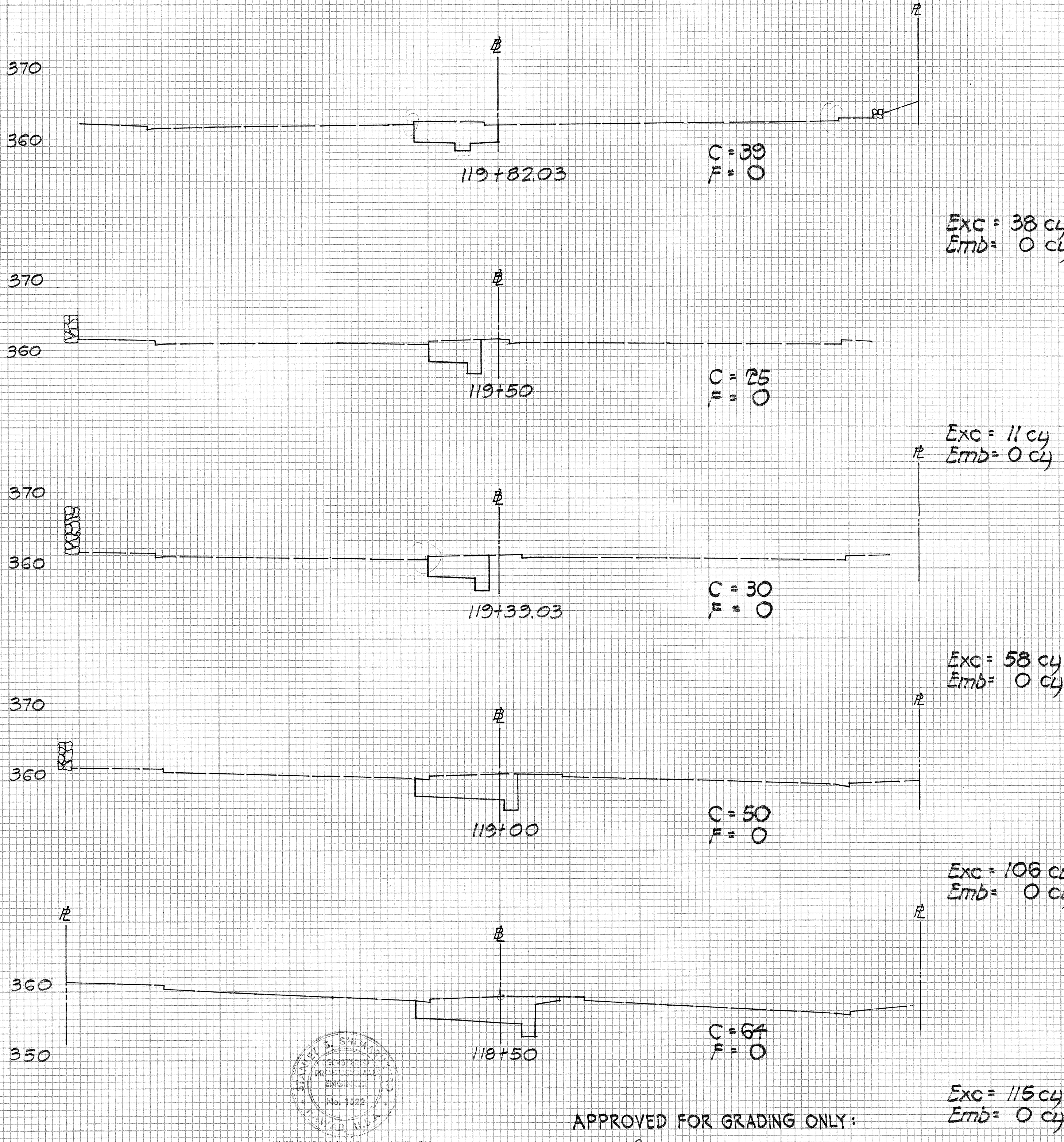
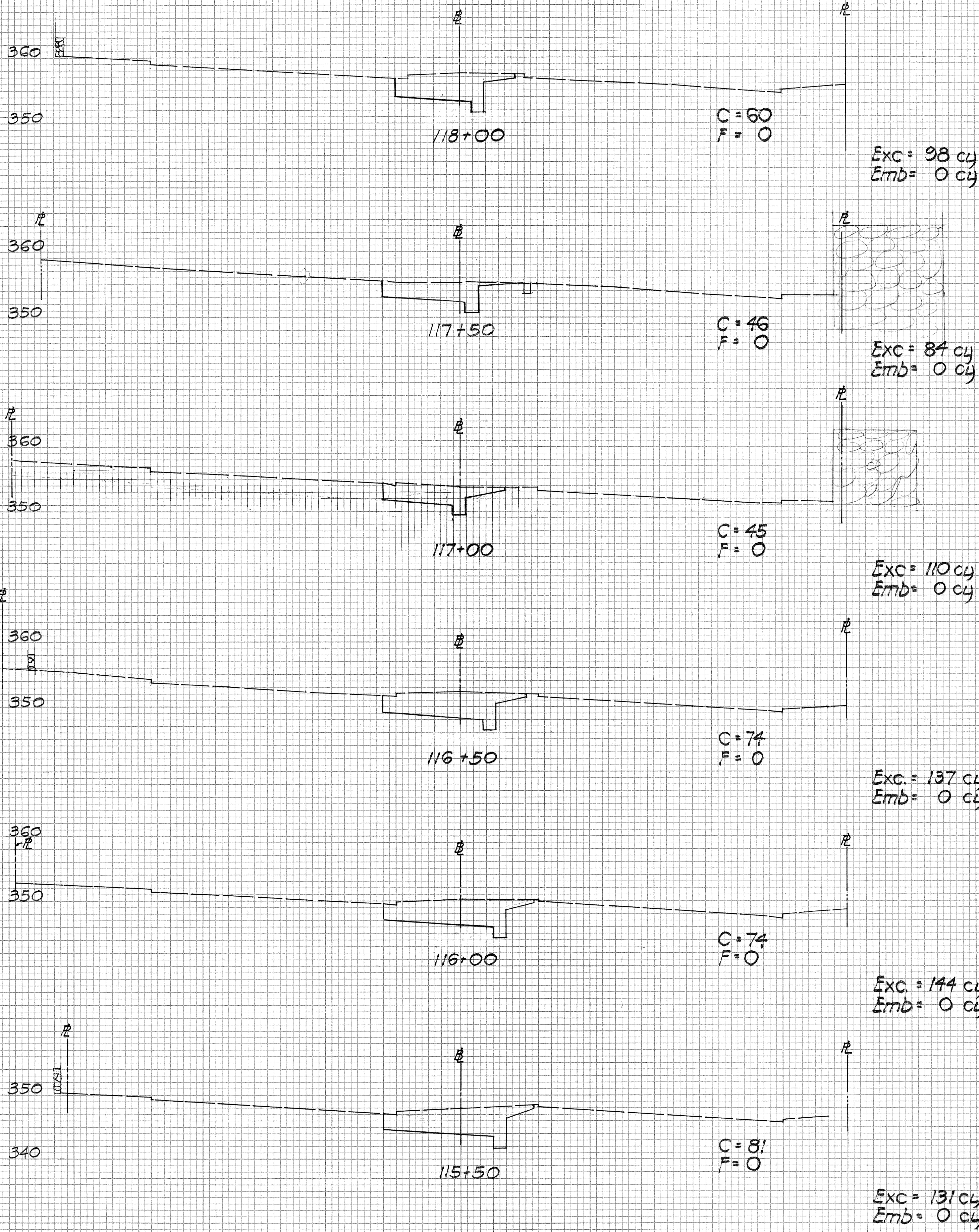
APPROVED FOR GRADING ONLY:

DATE 4/17/80
CHIEF, DIVISION OF ENGINEERING, DPW

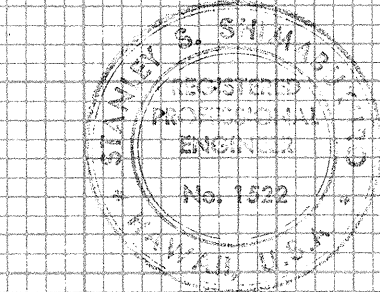
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1988	39	49

DATE	BY	SURVEYED	PLOTTED	DATE	AREAS CHECKED
		FINAL	NO. 1		

DATE	BY	SURVEYED	PLOTTED	DATE	AREAS CHECKED
		ORIGINAL	NO. 1		



Scale: 1"=10'



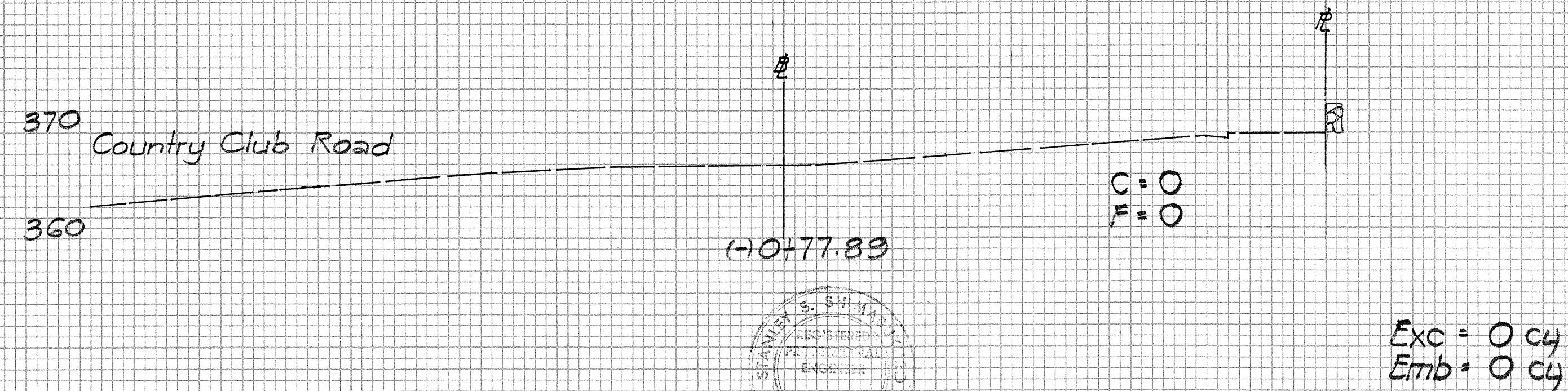
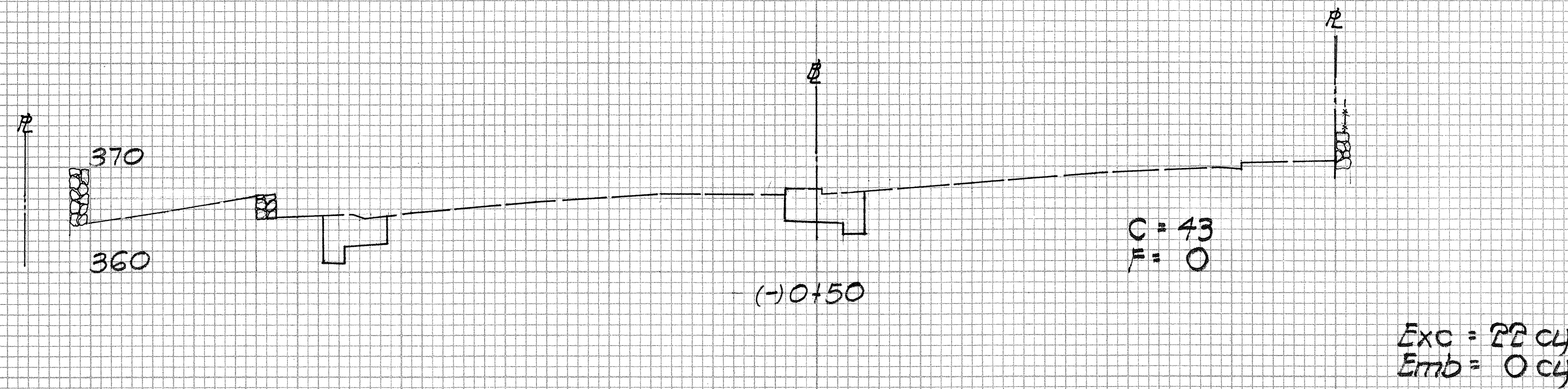
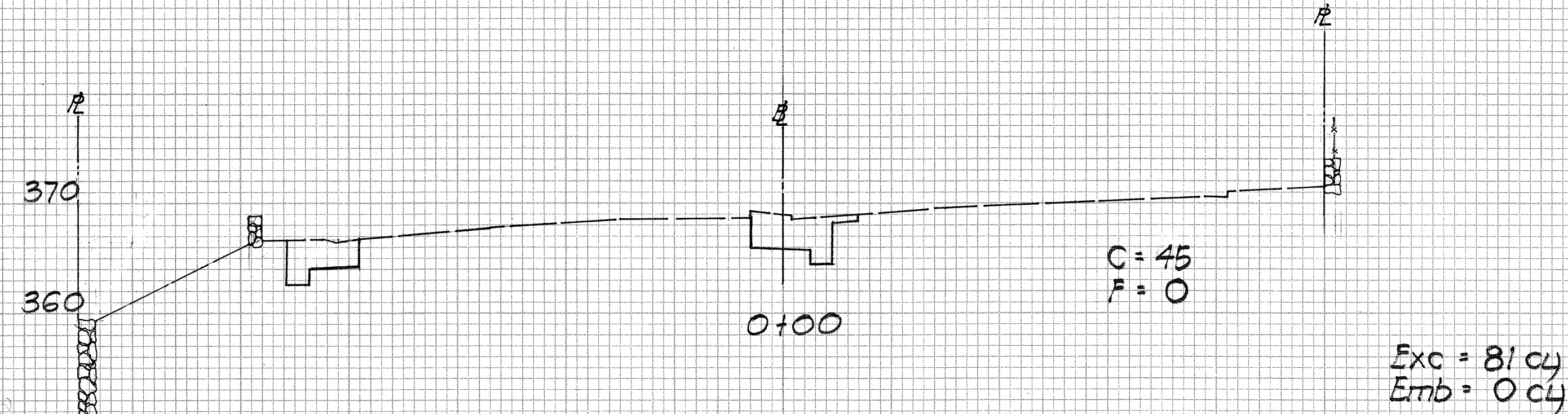
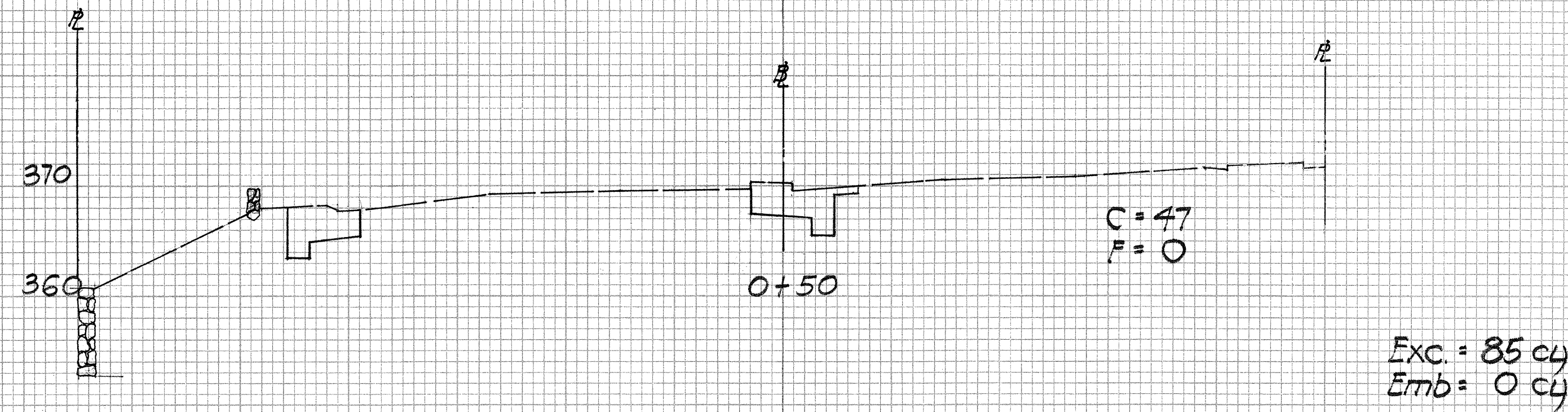
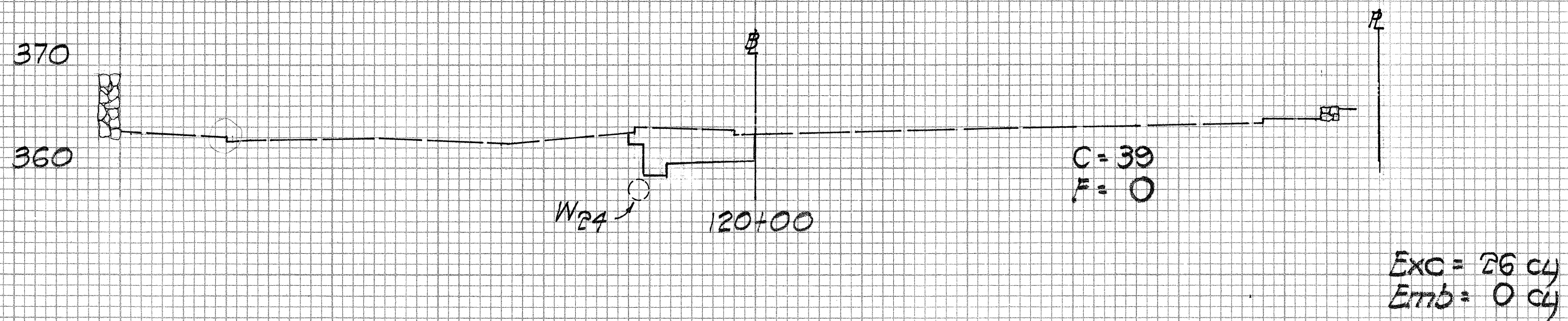
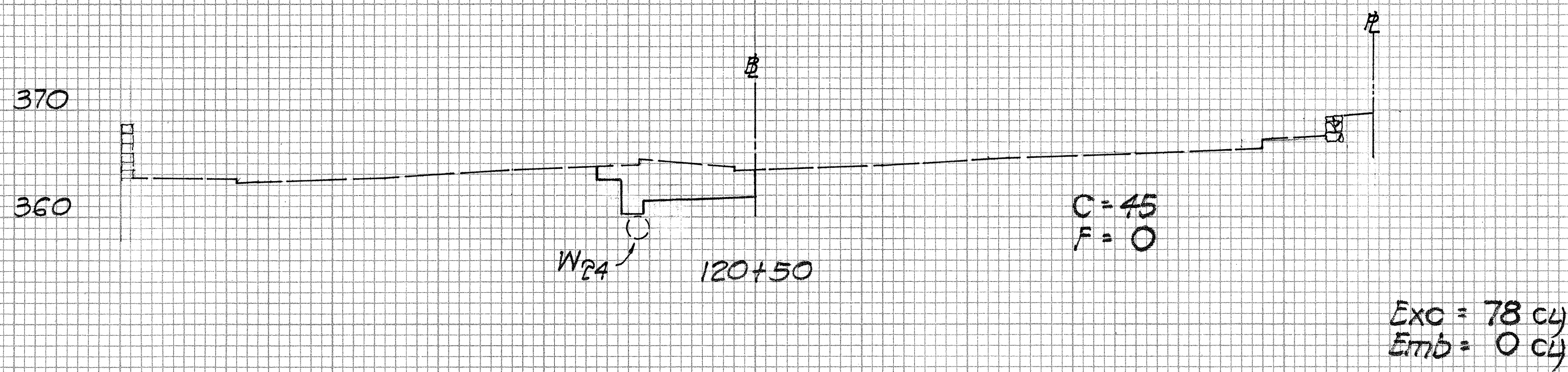
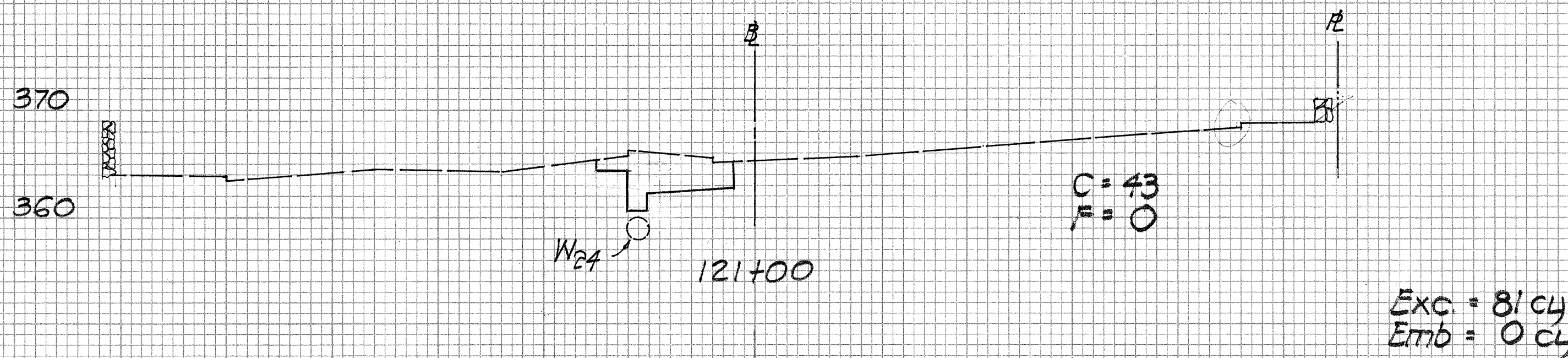
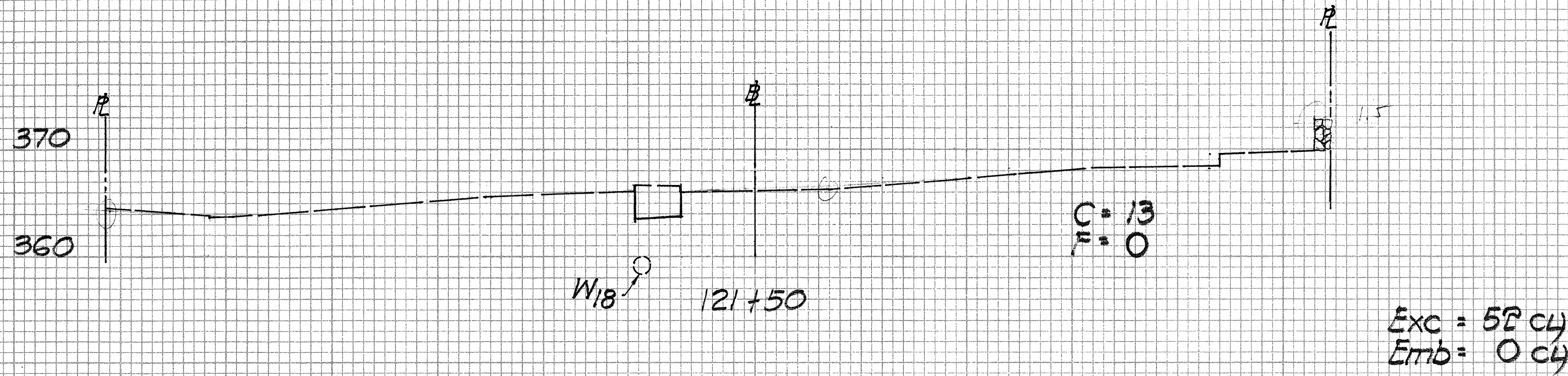
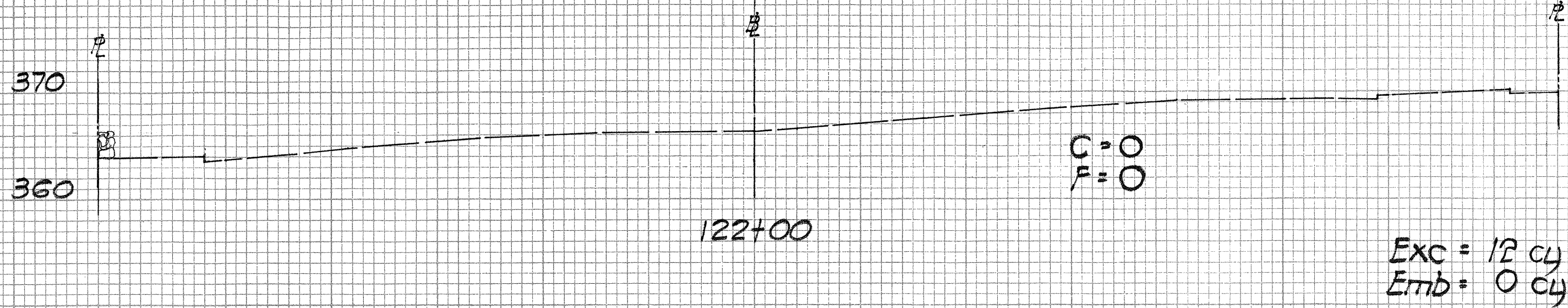
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Stanley J. Chinnakos

APPROVED FOR GRADING ONLY:
CHIEF, DIVISION OF ENGINEERING, DPW
DATE 11/17/80

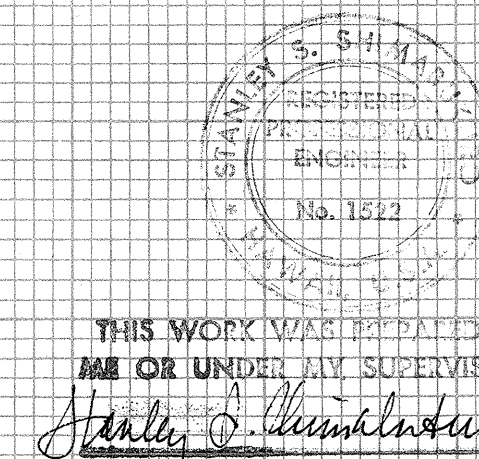
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1988	40	49

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

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



Scale: 1" = 10'



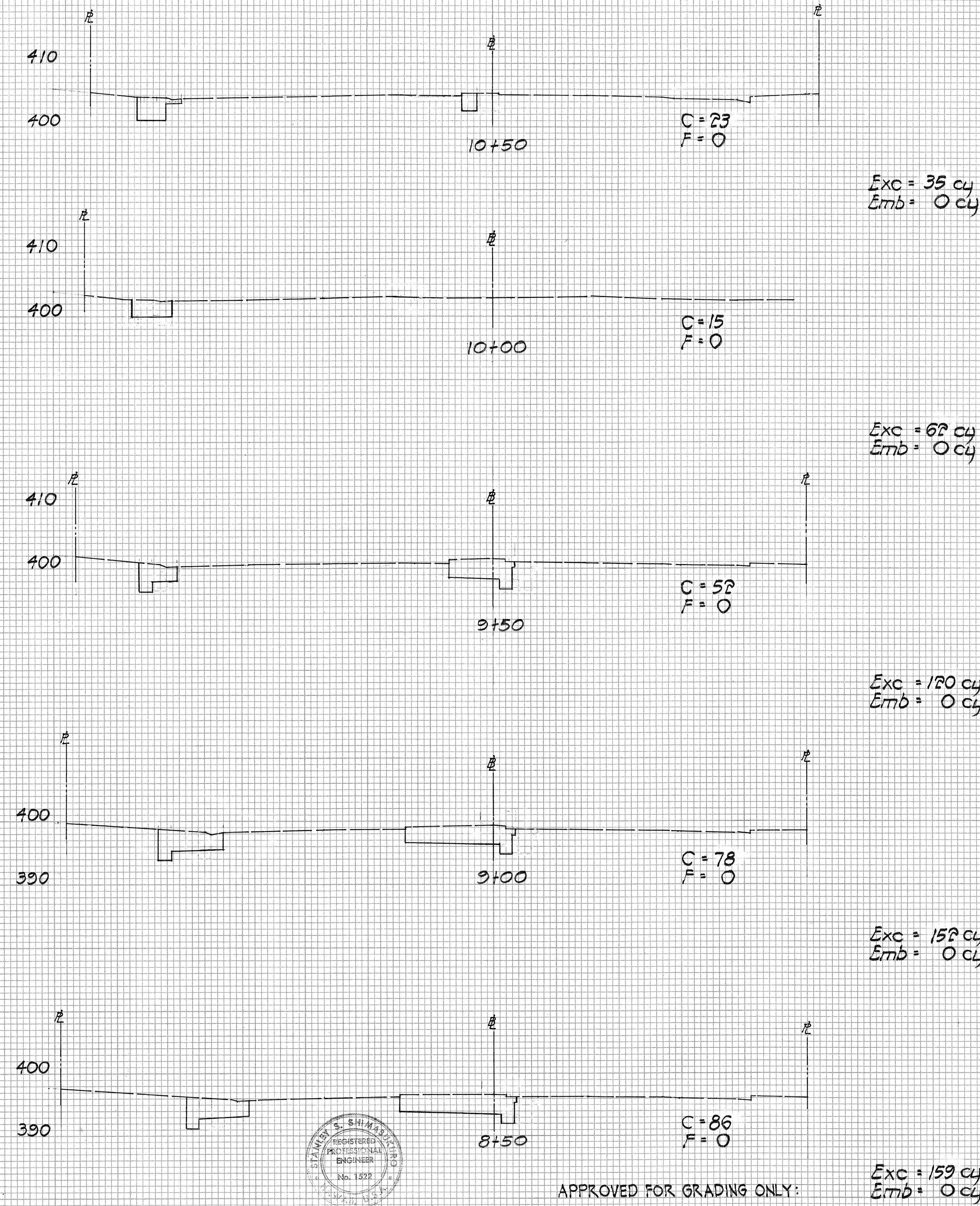
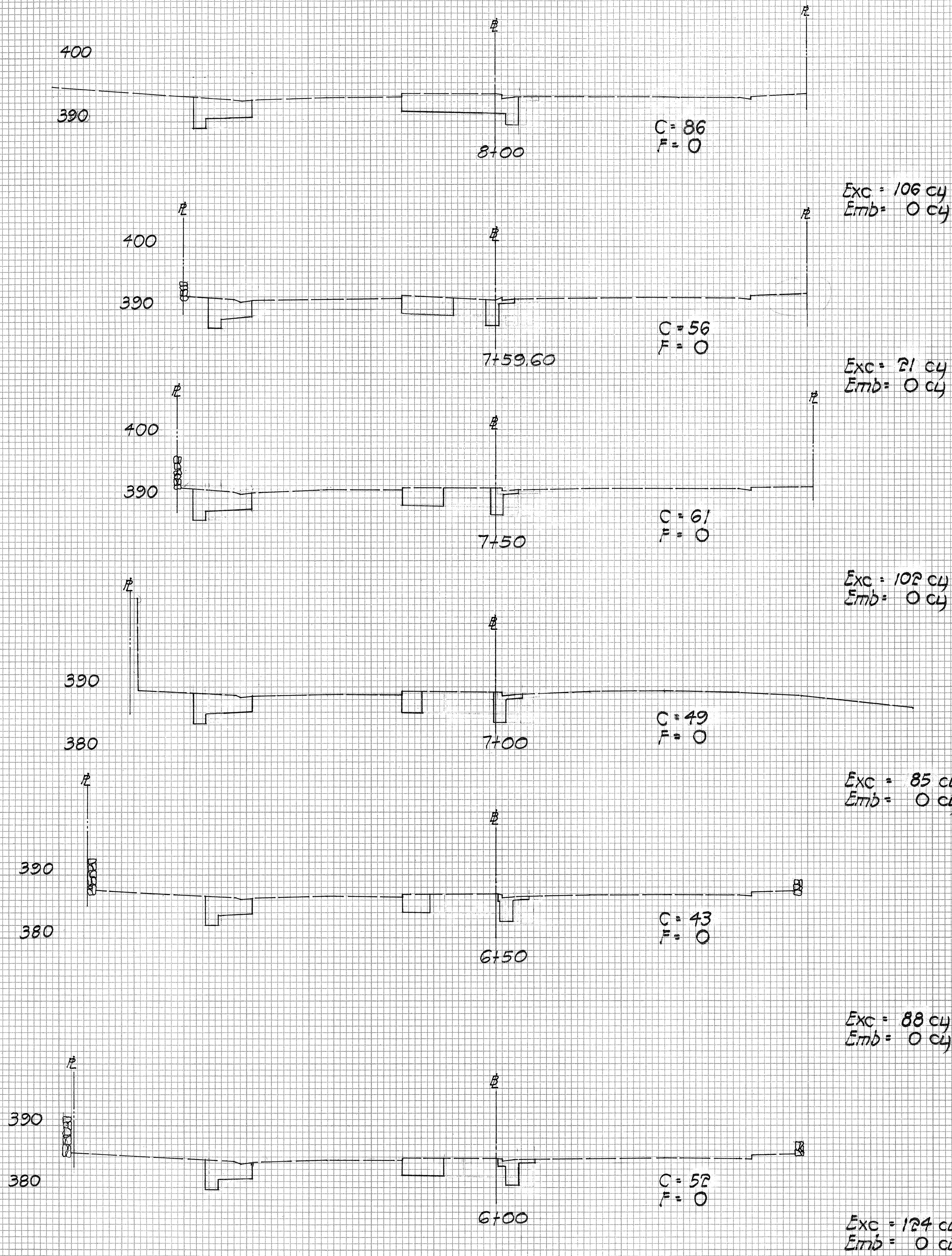
APPROVED FOR GRADING ONLY:

Stanley J. Hummel
CHIEF, DIVISION OF ENGINEERING, DPW
DATE 11/17/80

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1988	42	49

DATE	BY	SURVEY	PLANNED	PLANNED	PLANNED
		NO. 1	NO. 2	NO. 3	NO. 4
		NO. 5	NO. 6	NO. 7	NO. 8
		NO. 9	NO. 10	NO. 11	NO. 12

DATE	BY	SURVEY	PLANNED	PLANNED	PLANNED
		NO. 1	NO. 2	NO. 3	NO. 4
		NO. 5	NO. 6	NO. 7	NO. 8
		NO. 9	NO. 10	NO. 11	NO. 12

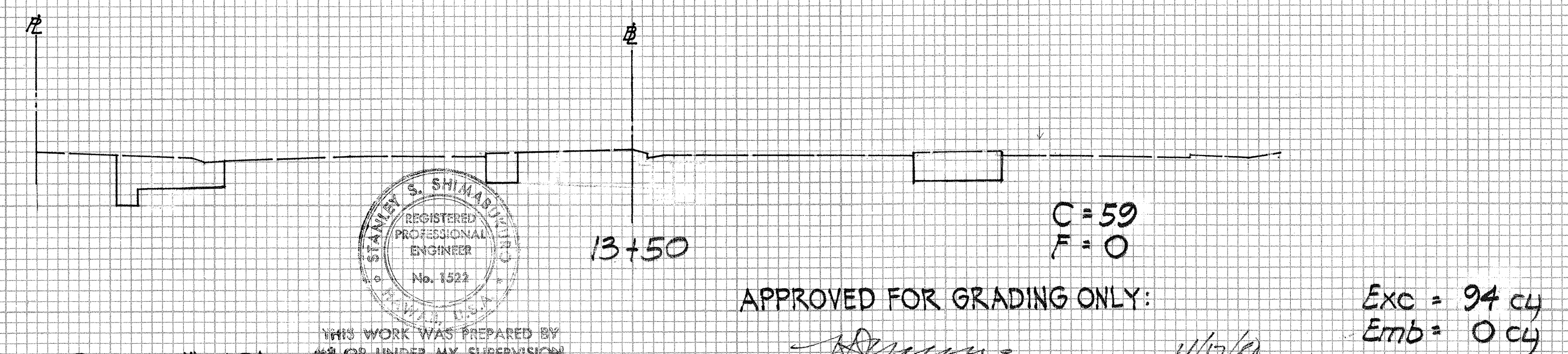
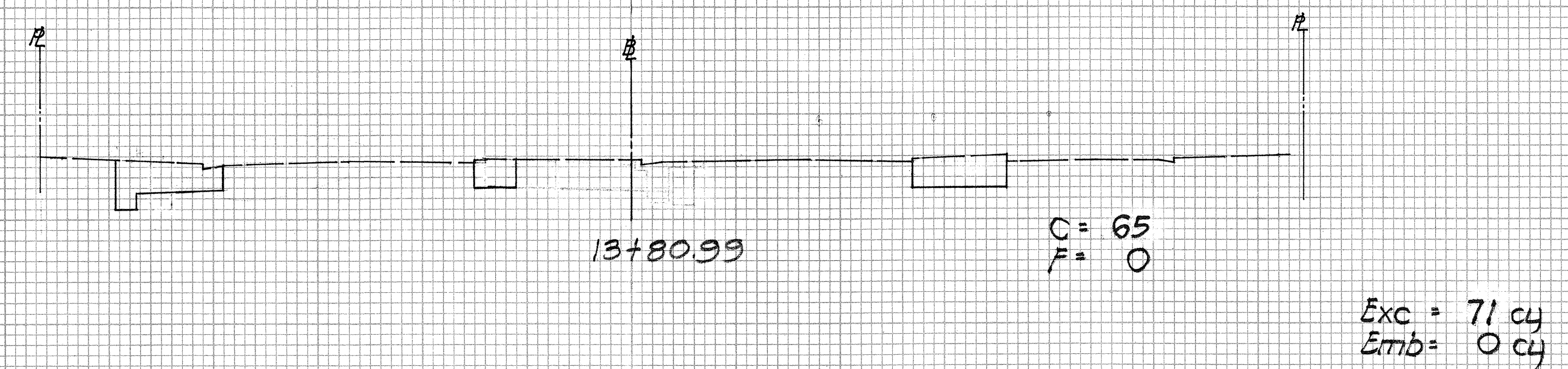
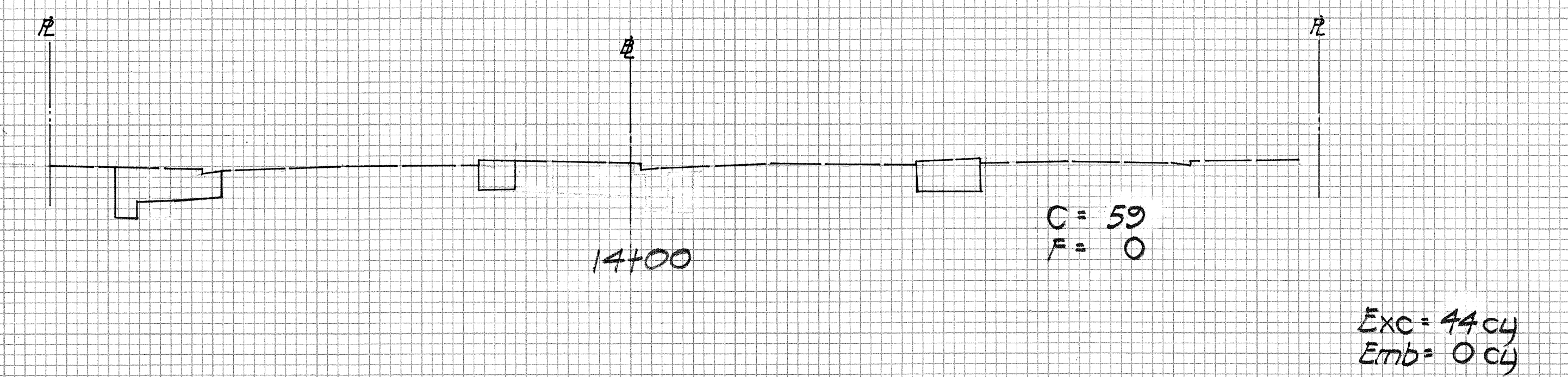
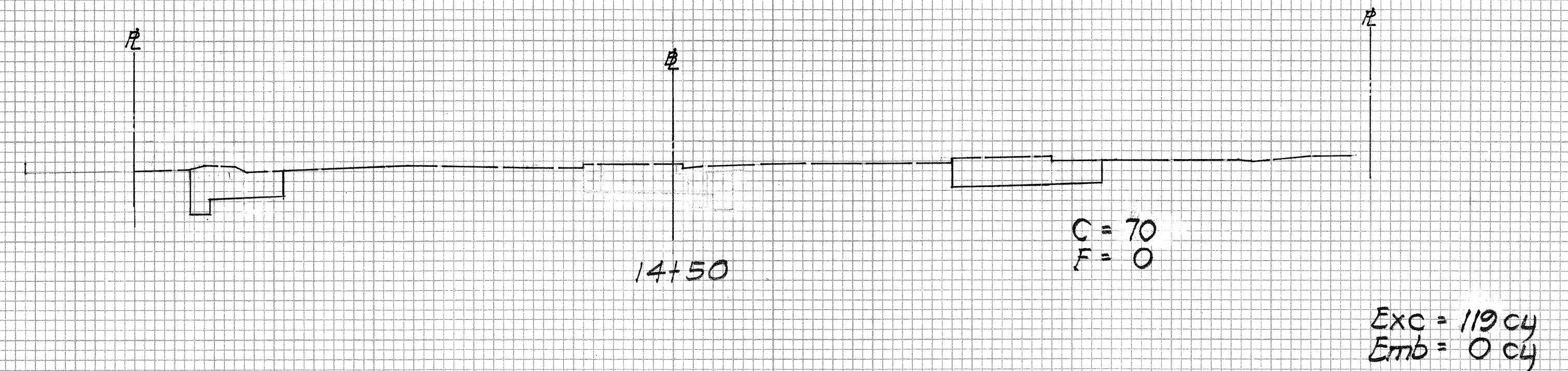
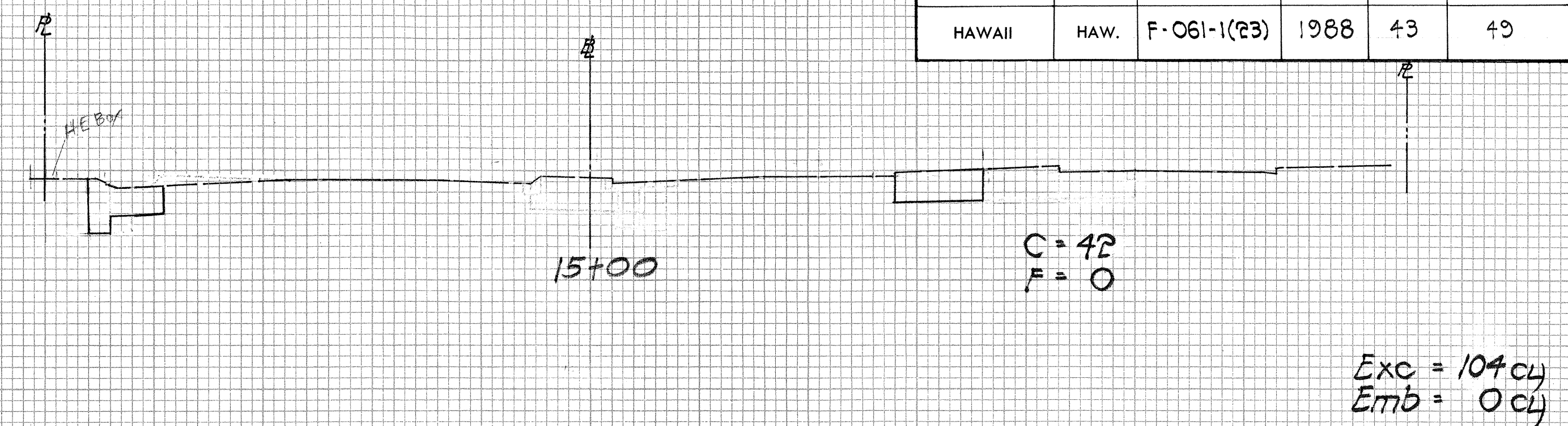
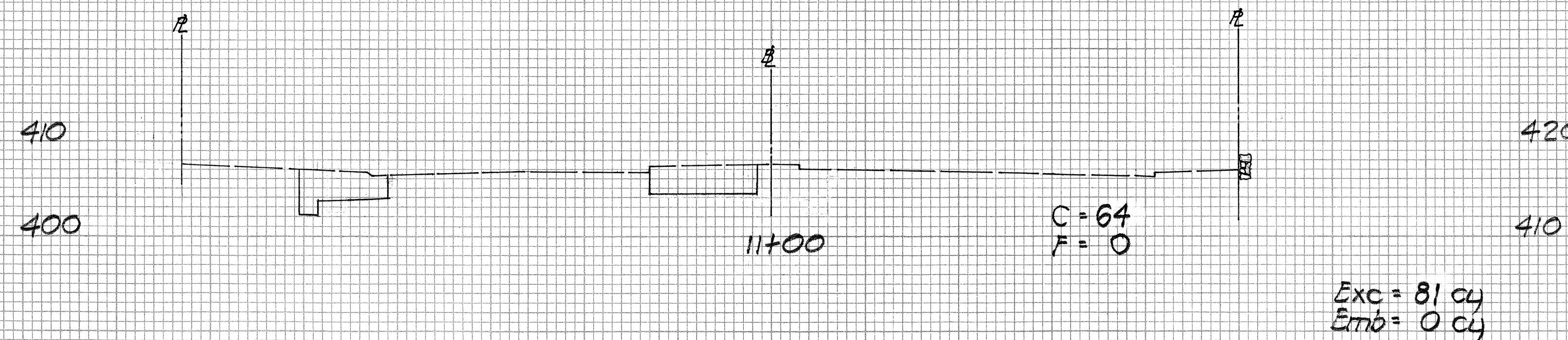
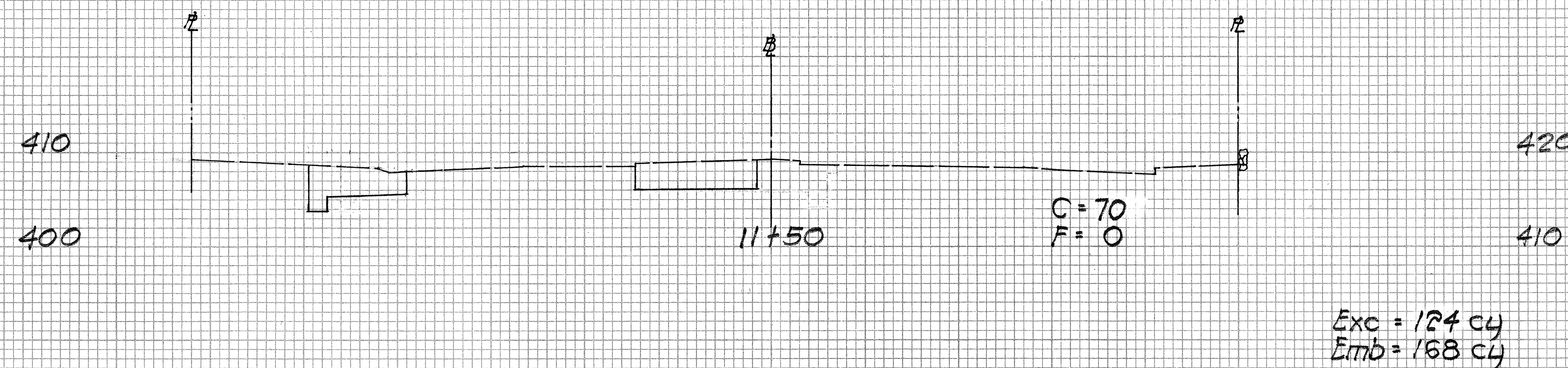
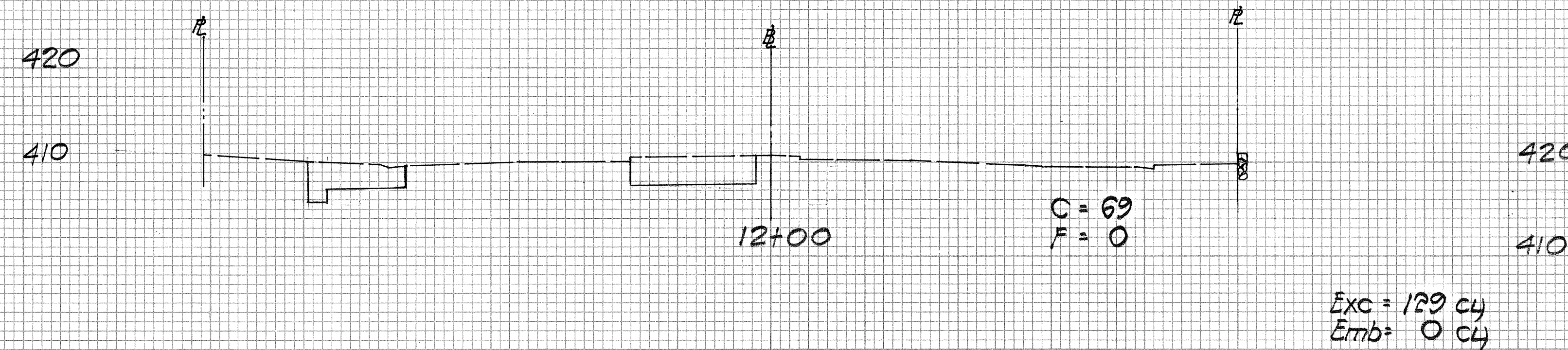
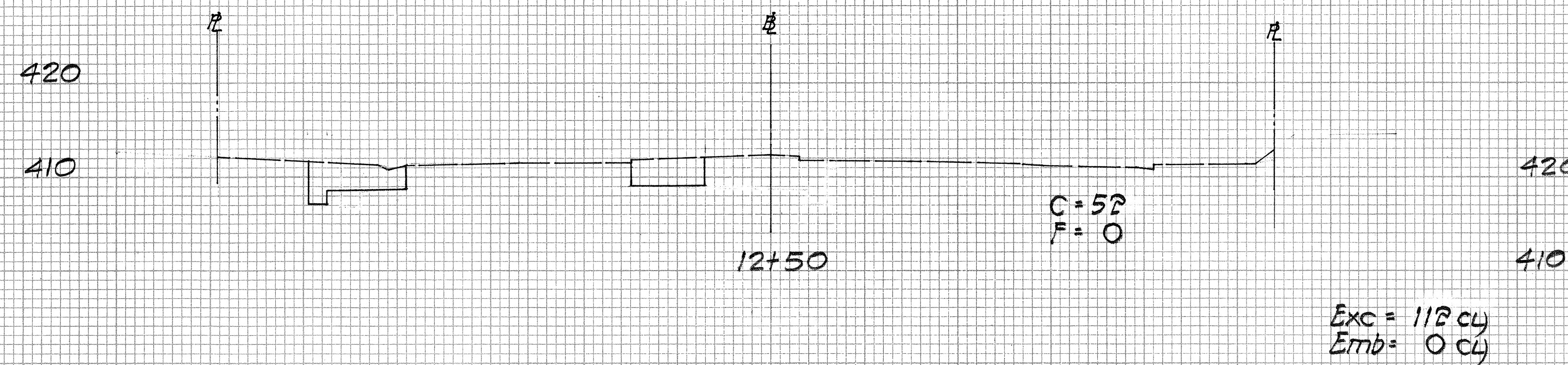
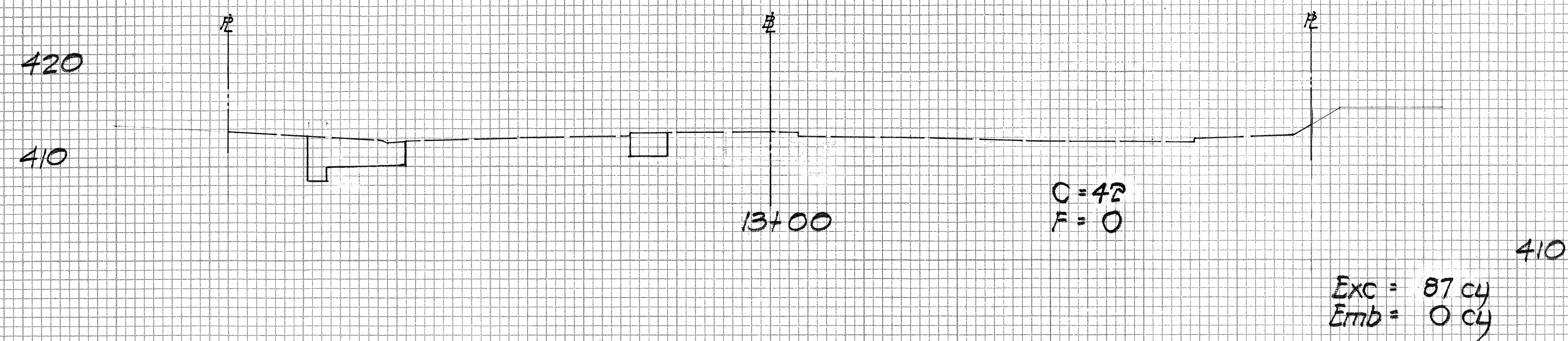


STANLEY S. SHIMAZAKI
REGISTERED PROFESSIONAL ENGINEER
No. 1522
11/17/88
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Stanley S. Shimazaki

APPROVED FOR GRADING ONLY:
DATE 11/17/88
CHIEF, DIVISION OF ENGINEERING, DPW

Scale: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1988	43	49



Scale: 1" = 10'

APPROVED FOR GRADING ONLY:

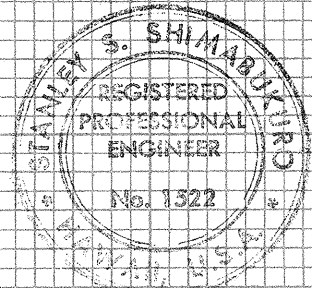
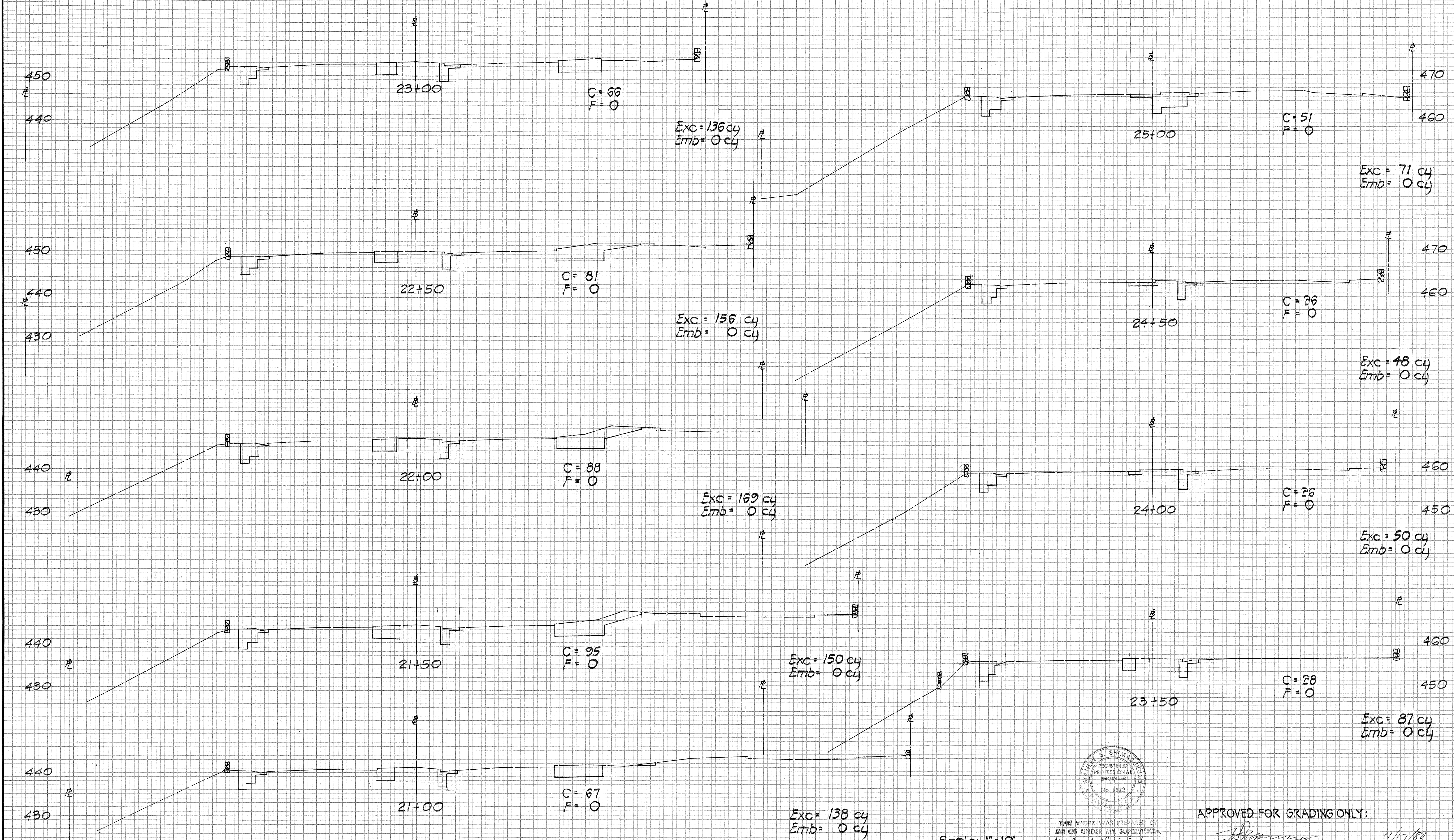
CHIEF, DIVISION OF ENGINEERING, DPW ^{by} ^{the} DATE

$$\begin{aligned} E_{xc} &= 94 \text{ cJ} \\ E_{mb} &= 0 \text{ cJ} \end{aligned}$$

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1988	45	49

FINAL SURVEY NOTE BOOK NO.	DATE	
	BY	
	SURVEYED	
	PLOTTED	
	AREA CHECKED	

ORIGINAL SURVEY NOTE BOOK NO.	DATE	
	BY	
	SURVEYED	
	PLOTTED	
	AREA CHECKED	



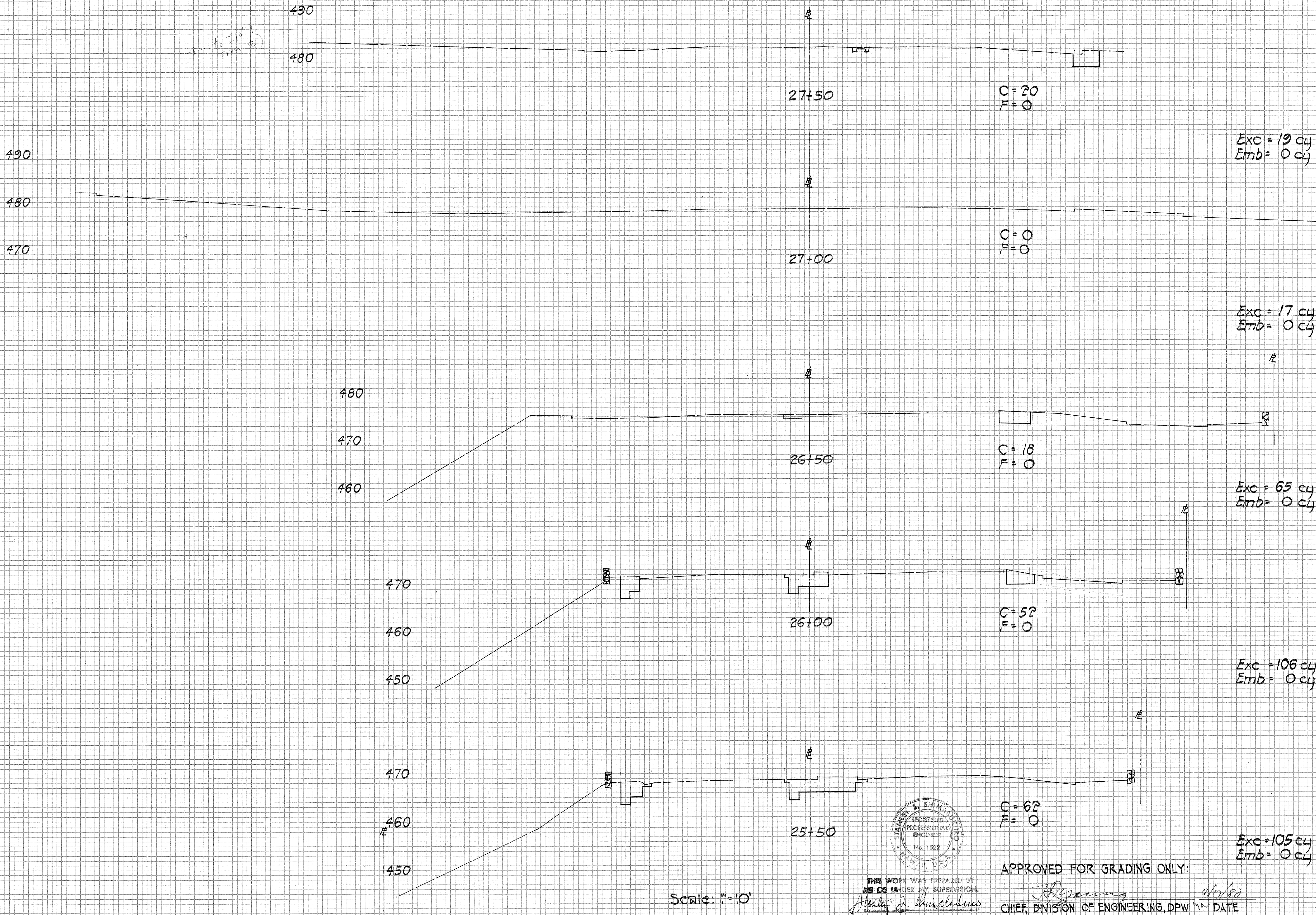
THIS WORK WAS PREPARED BY
AS OR UNDER MY SUPERVISION
Stanley S. Shimada
REGISTERED PROFESSIONAL ENGINEER
No. 1522
HAWAII

APPROVED FOR GRADING ONLY:
[Signature] 11/07/88
CHIEF, DIVISION OF ENGINEERING, DPW DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1988	46	49

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

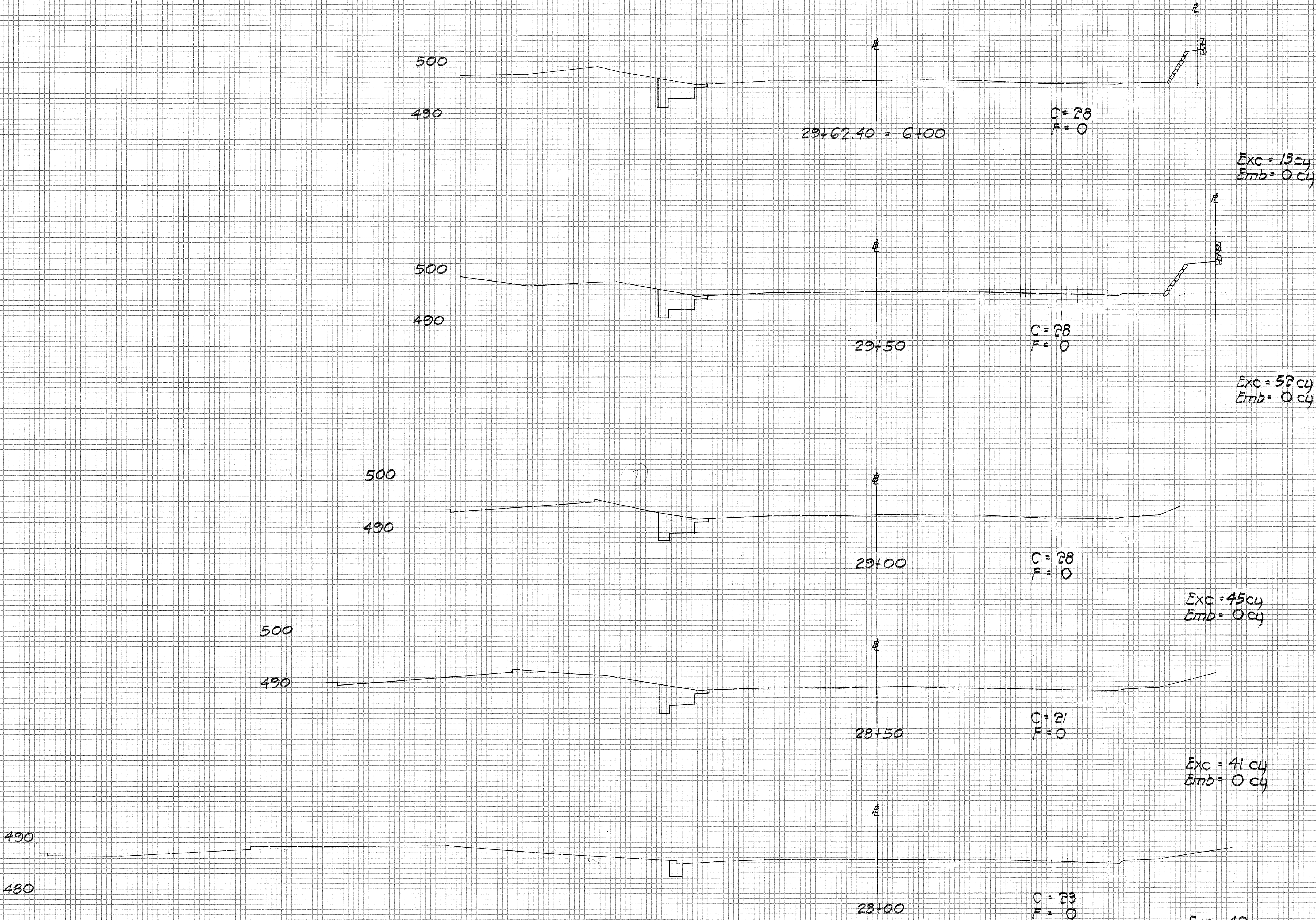
ORIGINAL SURVEY	SURVEYED	DATE
	PLOTTED	BY
	TEMPLATE	
	NOTE BOOK	
NO.	AREAS CHECKED	



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1968	47	49

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

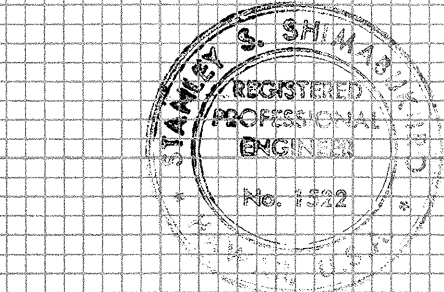
ORIGINAL SURVEY NOTE BOOK NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	DATE
		BY



Scale: 1"=10'

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 CHIEF, DIVISION OF ENGINEERING, DPW DATE 11/17/80



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 ME OR UNDER MY SUPERVISION

 DATE

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1968	48	49

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

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

520

510

8+50

C = 22
F = 0

Exc = 42 cy
Emb = 0 cy

510

500

8+00

C = 23
F = 0

Exc = 44 cy
Emb = 0 cy

510

500

7+50

C = 24
F = 0

Exc = 44 cy
Emb = 0 cy

510

500

7+00

C = 23
F = 0

Exc = 46 cy
Emb = 0 cy

510

500

6+50

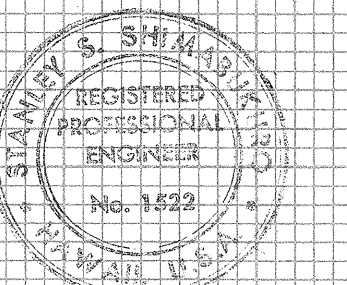
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Exc = 51 cy
Emb = 0 cy

Scale: 1" = 10'

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CHIEF, DIVISION OF ENGINEERING, DPW DATE 11/17/80



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ME OR UNDER MY SUPERVISION
Stanley S. Winkler

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(23)	1968	49	49

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

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

