

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

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

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
44-100-11	HI	44-100-11	1951	13	20

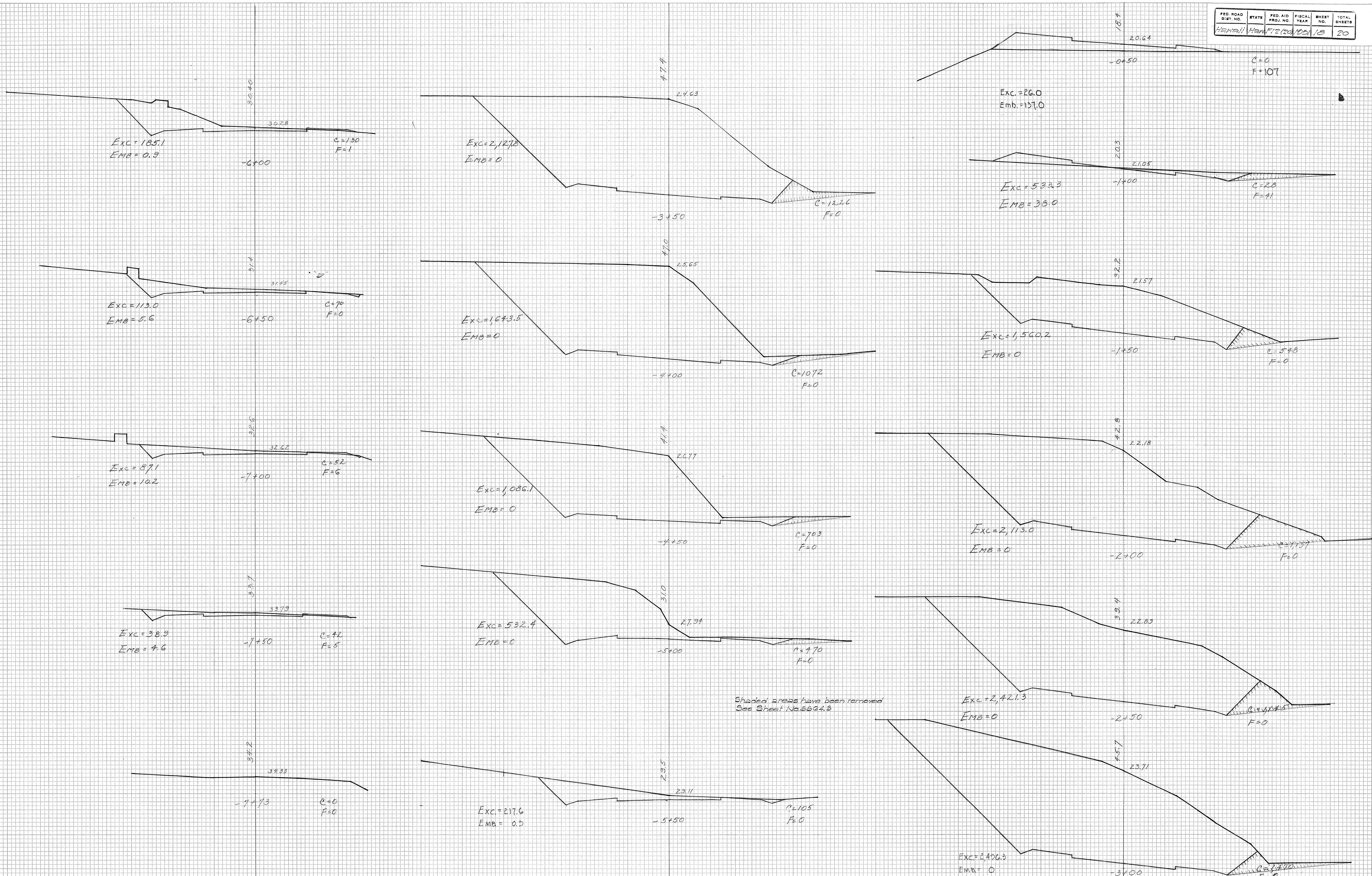


PLATE 3-CROSS SECTION O.P.R. & R.E. STANDARD

KEUFFEL & ESSER CO., NEW YORK

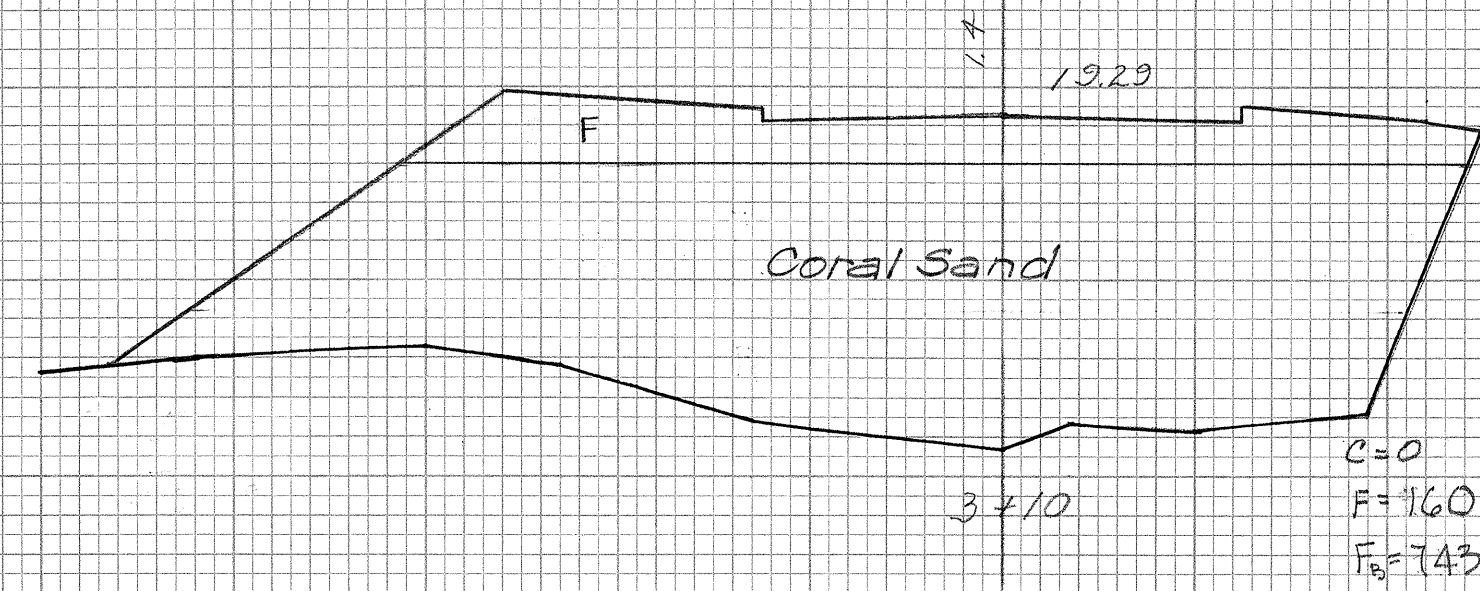
K & E CO. No. 345-3 MADE IN U.S.A. 22234

5564.18

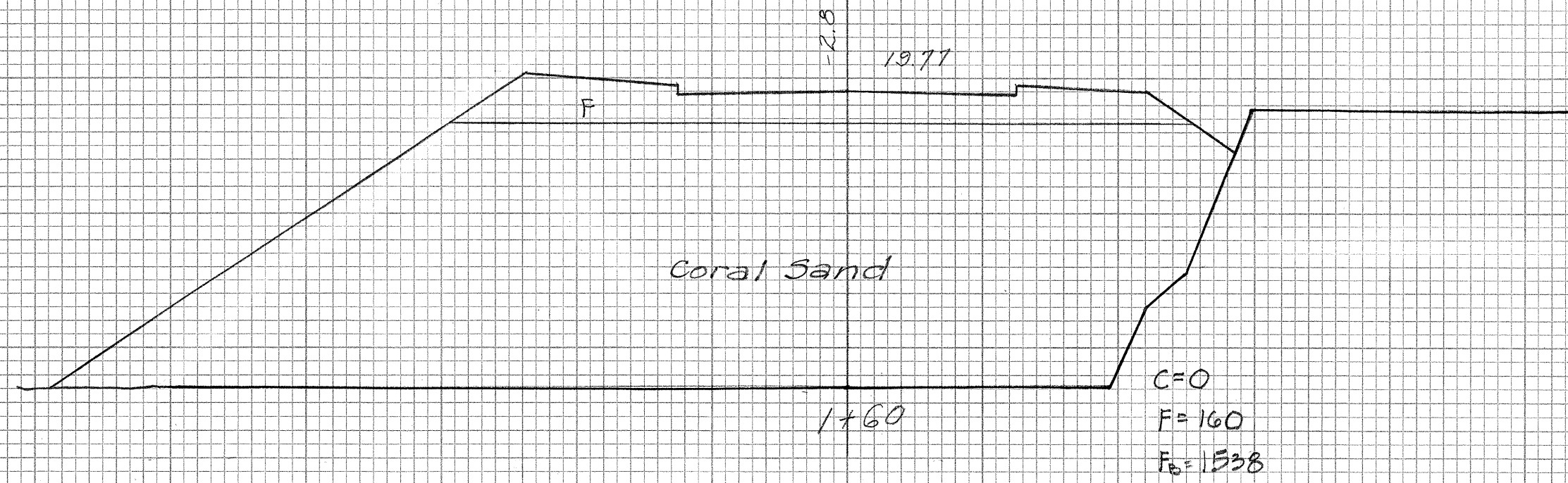
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	72(EO)051	10	20	

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

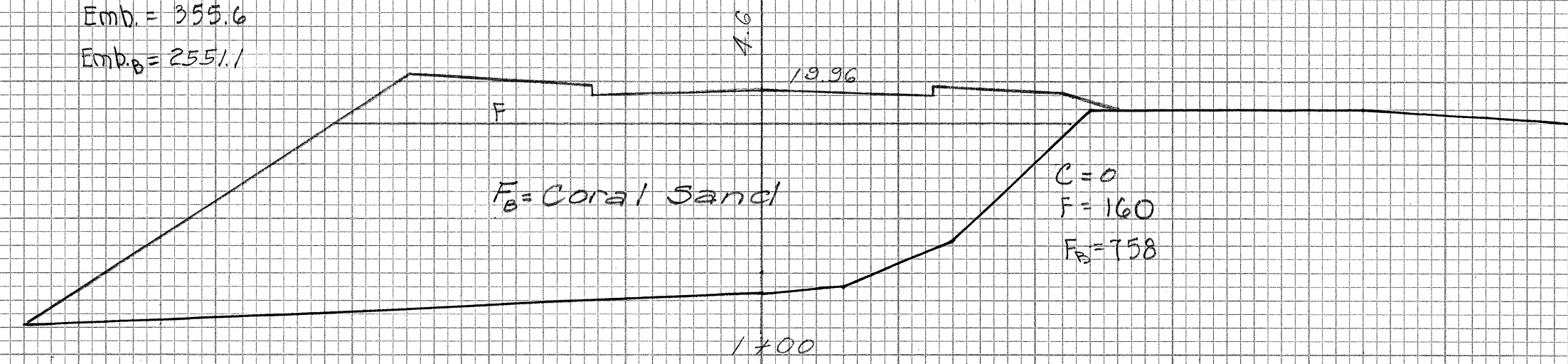
ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



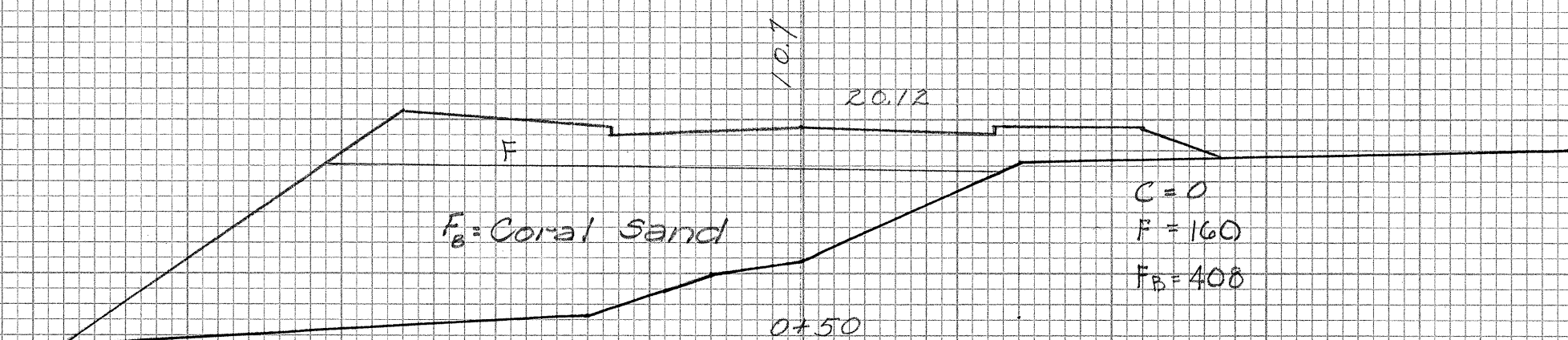
KAPAA BRIDGE
Sta. 1+63.08 - Sta. 3+13.92



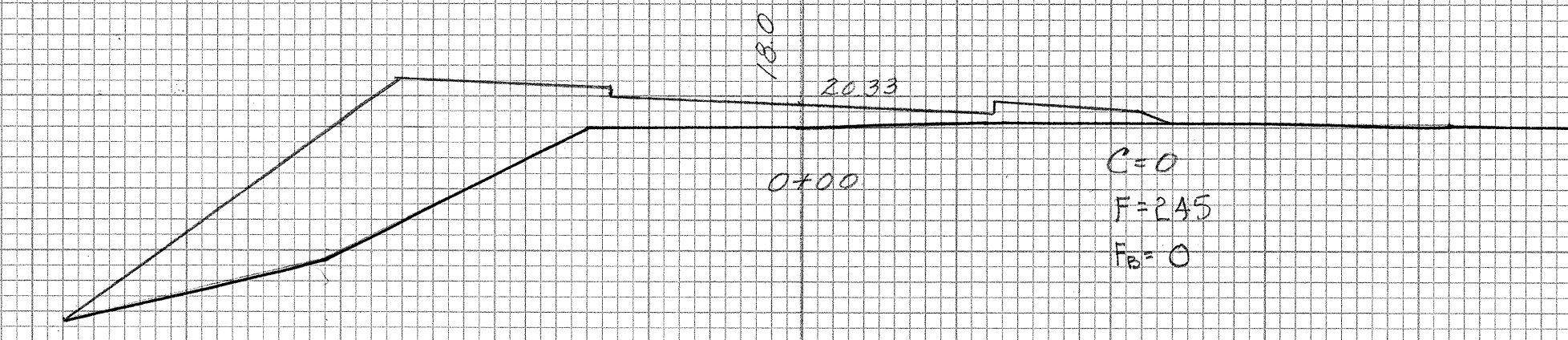
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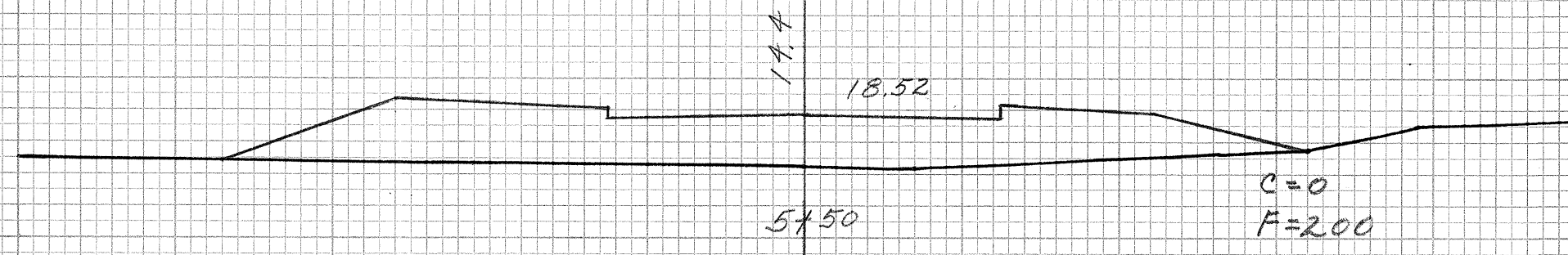
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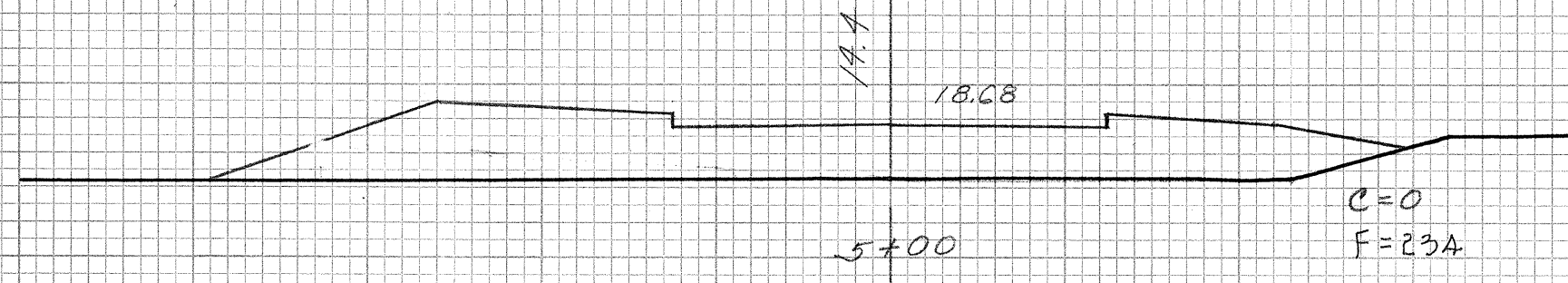
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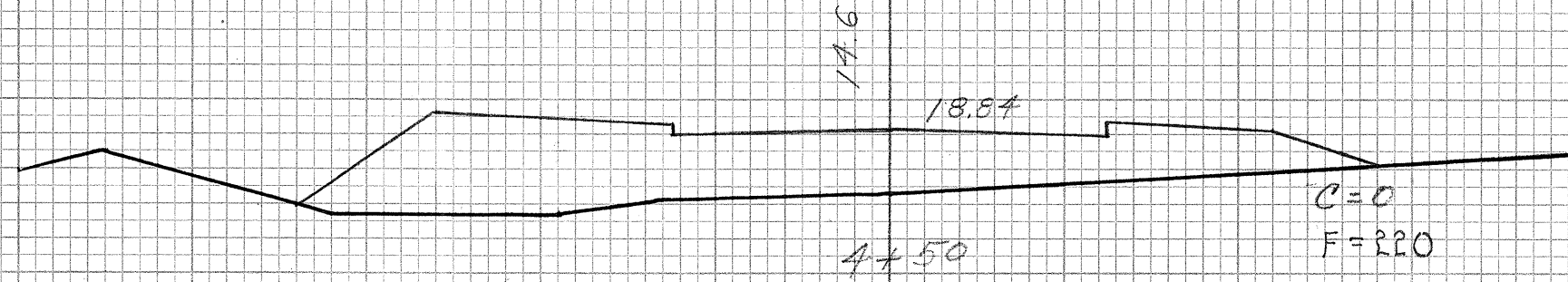
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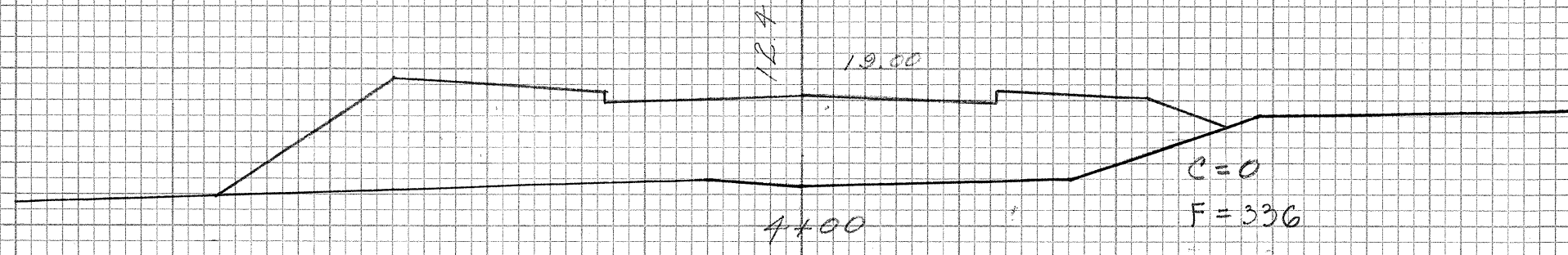
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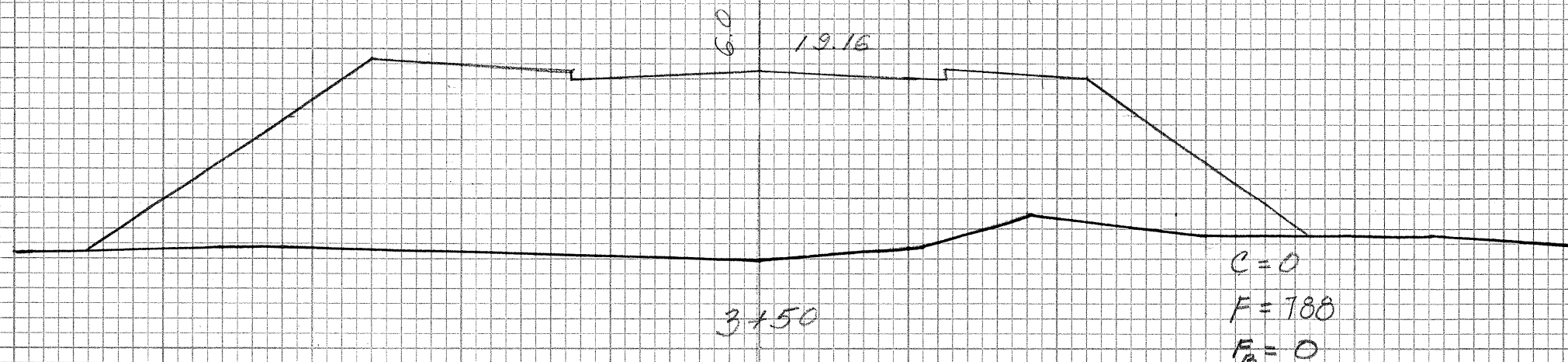
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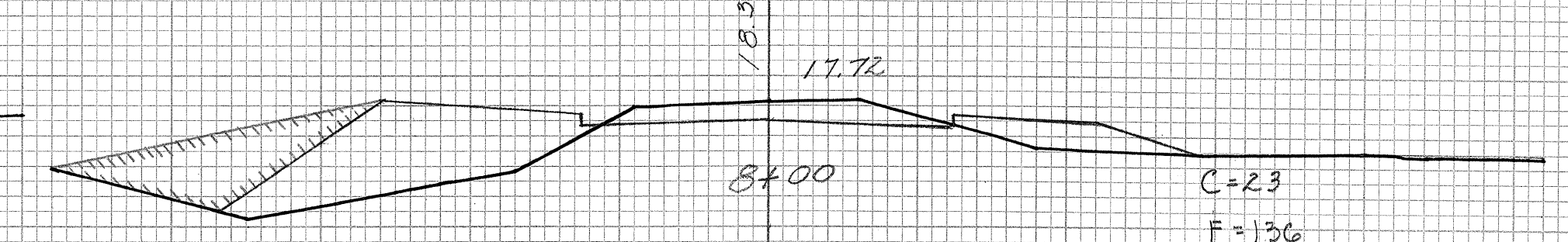
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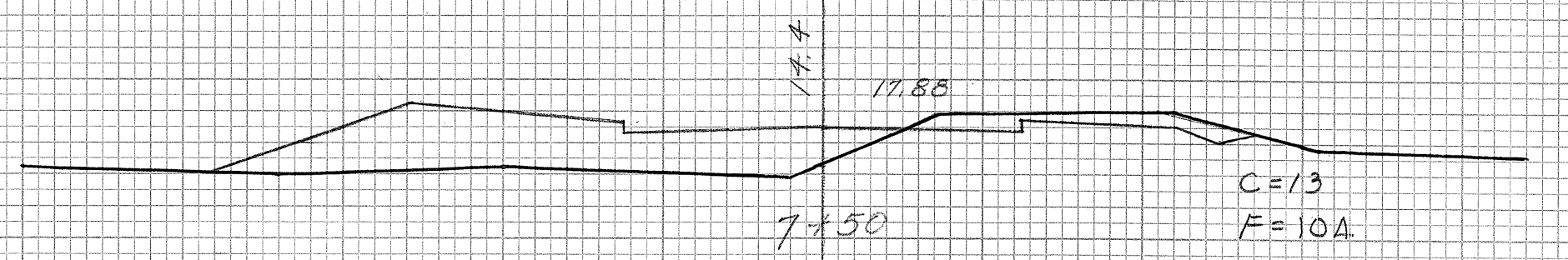
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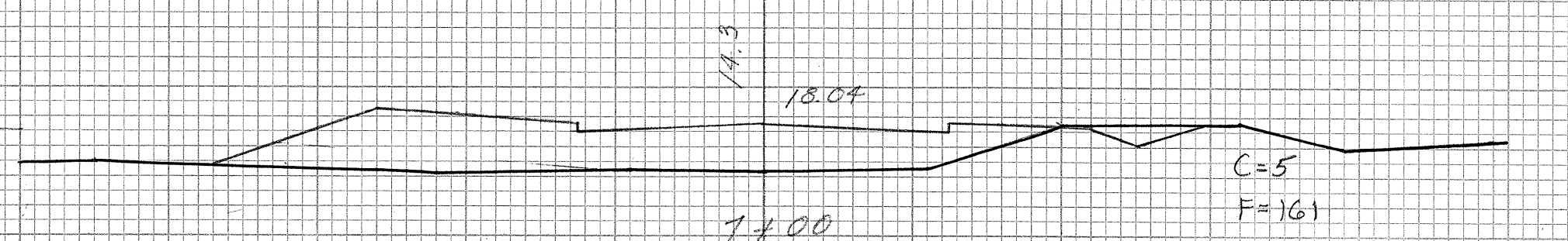
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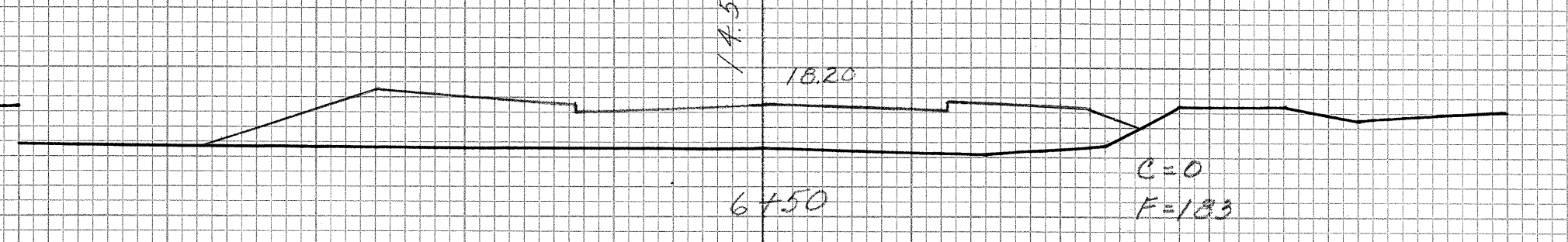
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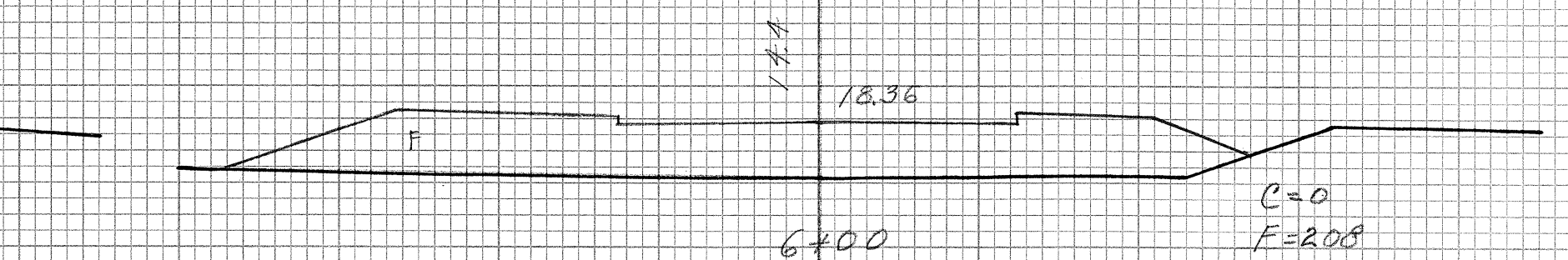
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Exc.=4.6
Emb.=318.5



Exc.=0
Emb.=362.0



Exc.=0
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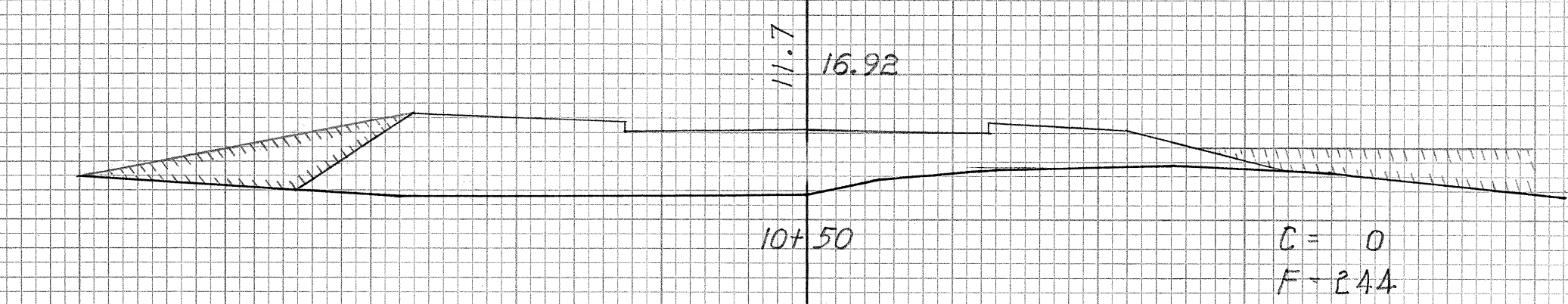
Note: From Sta. 0+00 to beginning of bridge abutment and from end of bridge abutment to Sta. 3+50, the embankment up to 3 ft. below finish grade shall consist of Coral Sand as shown on these cross sections. The upper 3 ft. shall be material from the roadway excavation.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAWAII	12(20)	1951	20	20

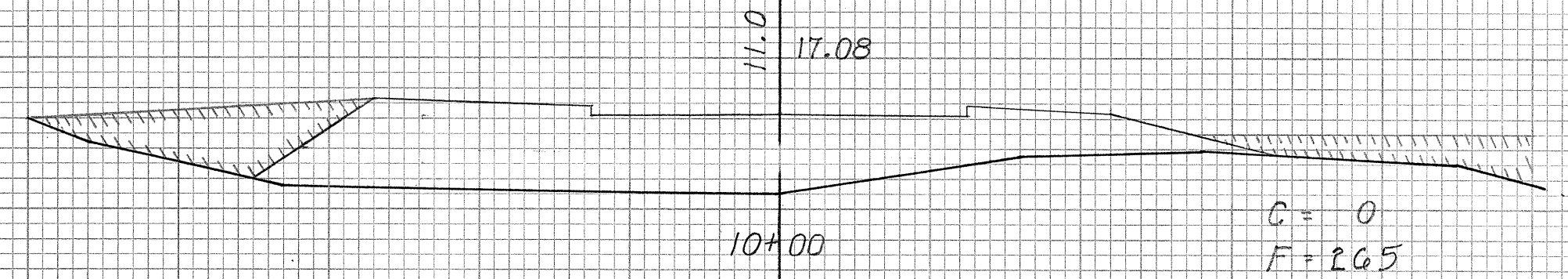
Shaded areas have been filled and graded.
See Sheet No 5564.3

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

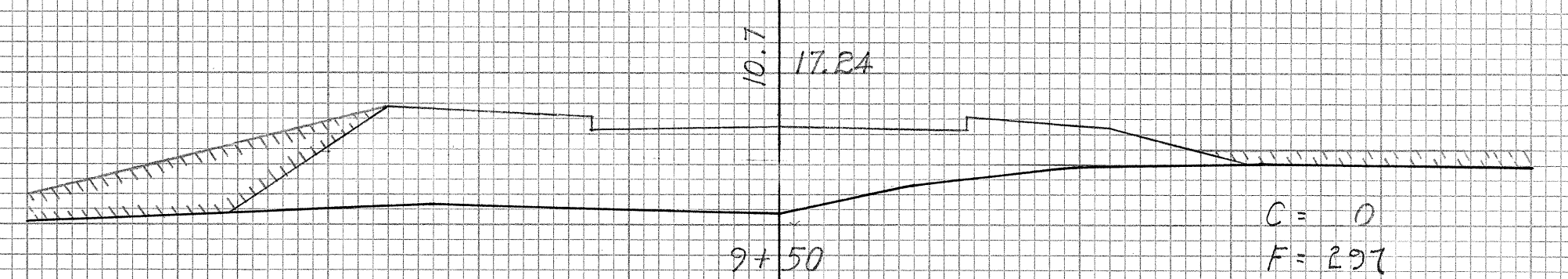
ORIGINAL SURVEY NOTE BOOK NO.	BY	DATE
	SURVEYED	DATE
NO.	TEMPLATE	AREAS CHECKED
	AREAS CHECKED	AREAS CHECKED



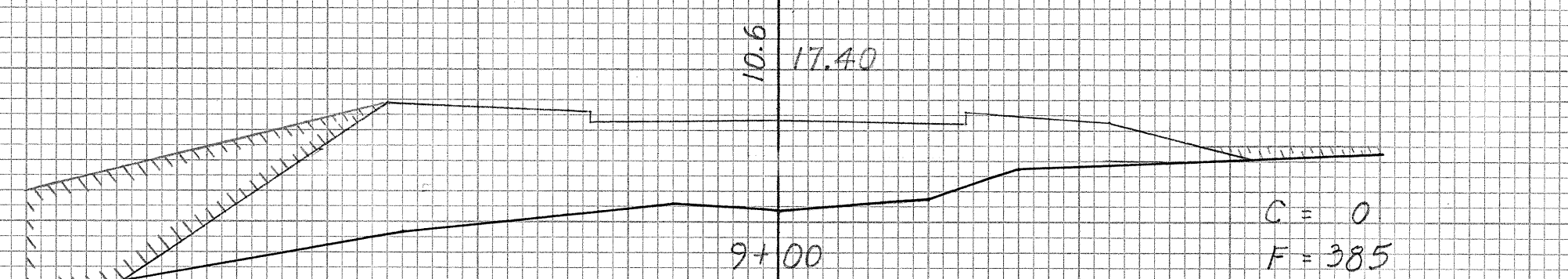
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Emb = 471.3



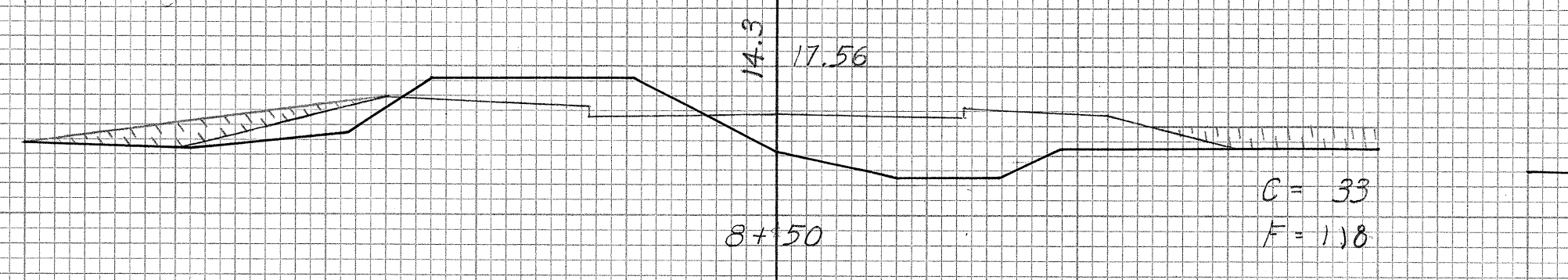
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Emb = 520.4



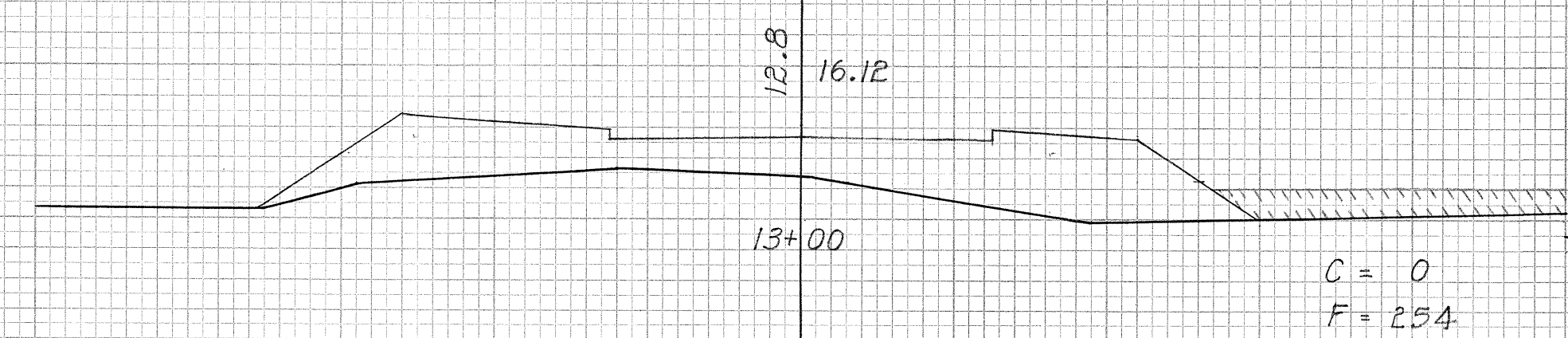
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Emb = 631.5



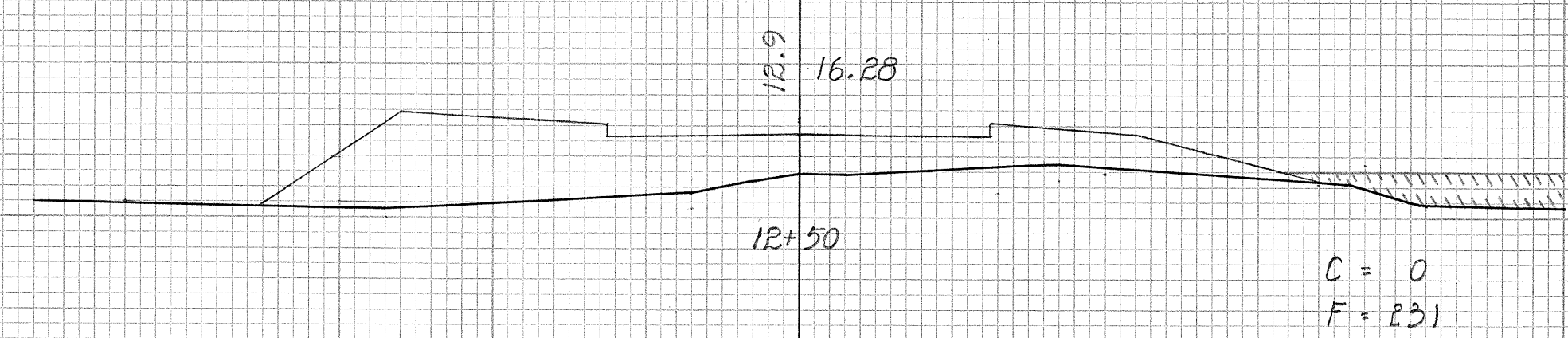
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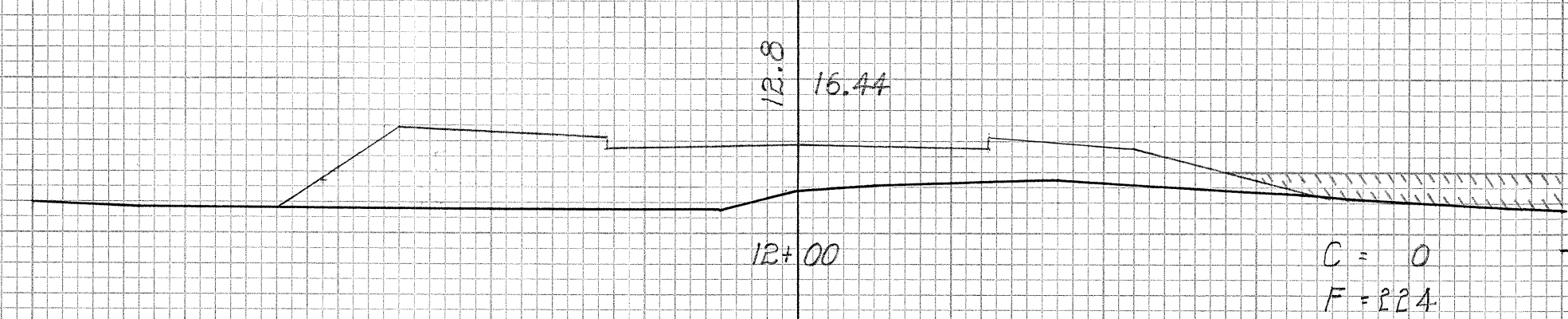
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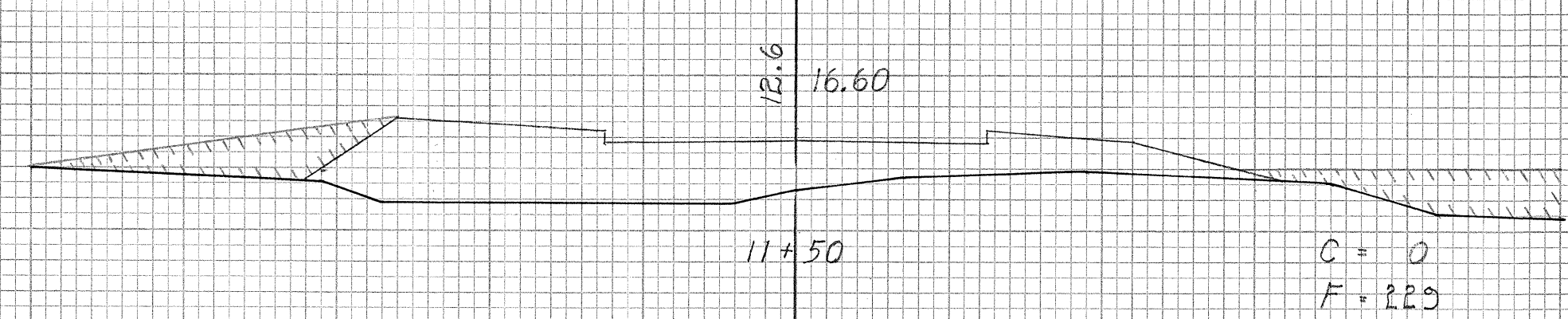
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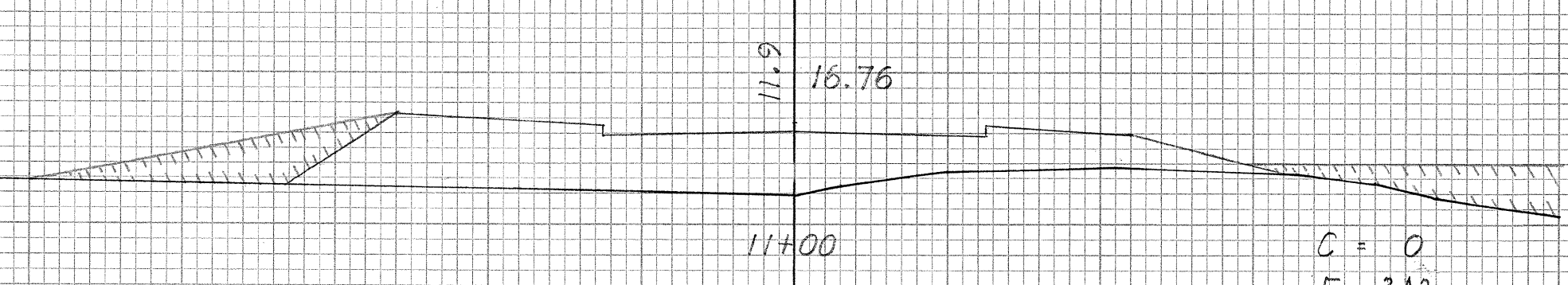
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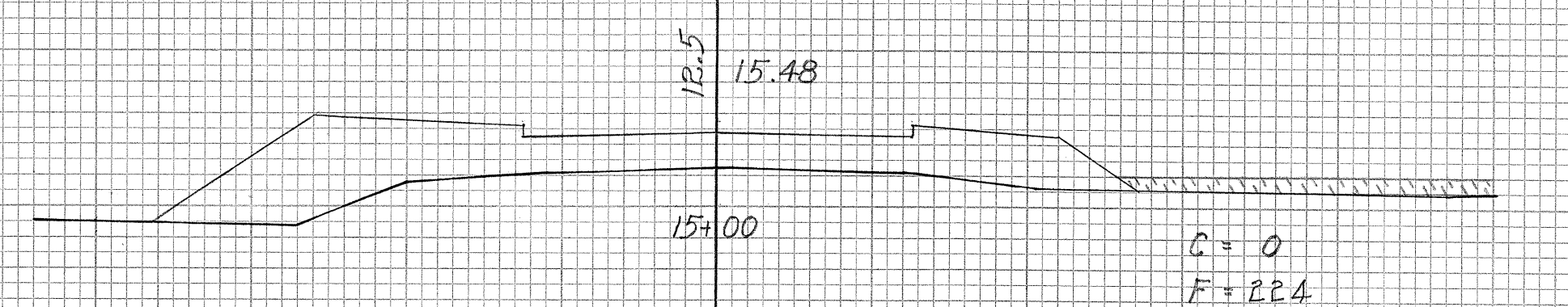
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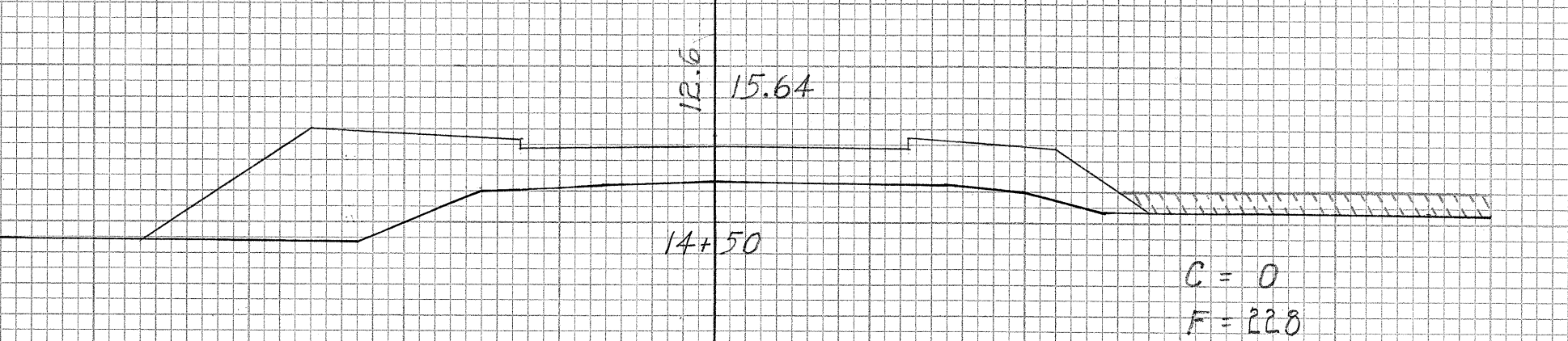
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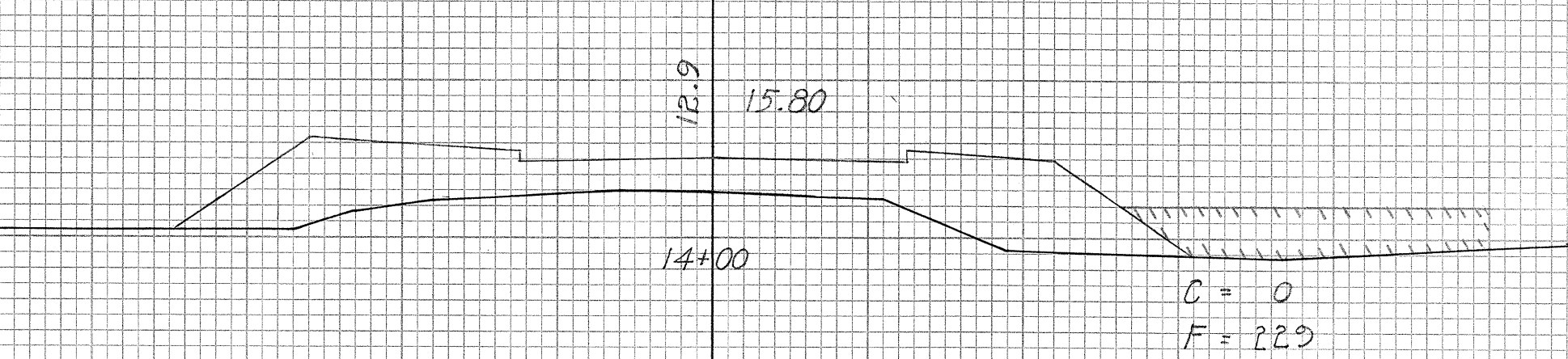
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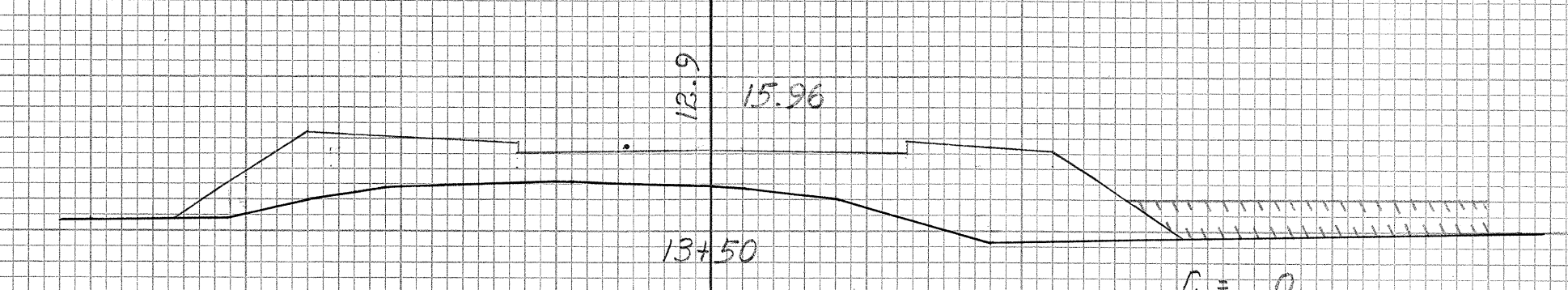
Exc = 0
Emb = 410.5



Exc = 0
Emb = 423.1



Exc = 0
Emb = 435.2



Exc = 0
Emb = 458.3