

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(23):11 I-H3-1(6):11	1970	234	224

H-3 CURVE DATA

$\Delta = 42^{\circ}16'00''$
 $\Delta/2 = 21^{\circ}08'00''$
 $R = 2000$
 $T = 773.03$
 $Ch = 1442.16$
 $L = 1475.39$

ESTATE OF HAROLD K.L. CASTLE (OWNER)

INBOUND

OUTBOUND

INTERSTATE ROUTE H-3

HAWAII LOA COLLEGE (OWNER)

R/W and Access Control Line

RAMP "G" CURVE DATA

$\Delta = 10^{\circ}10'00''$
 $\Delta/2 = 5^{\circ}05'00''$
 $R = 2000$
 $T = 177.91$
 $Ch = 354.42$
 $L = 354.88$

$\Delta = 5^{\circ}23'00''$
 $\Delta/2 = 2^{\circ}41'30''$
 $R = 950$
 $T = 44.66$
 $Ch = 89.26$
 $L = 89.29$

Note:

Toe of fill shall not encroach in Castle Estate Property.

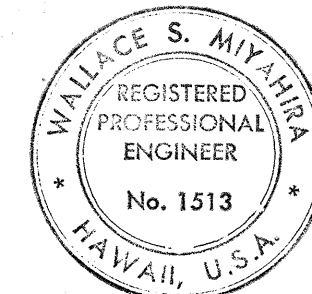
24" C.G.M.P.
Length = 207'
C.C.O. #23

GRADING PLAN

Scale: 1" = 50'

Note: See Sheet No. 235 for Underdrain and Typical Fill Section. See Sheets No. 236 to 245 for cross sections.

This work was prepared by me or under my supervision,
Wallace S. Miyahira



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GRADING PLAN

F.A.I. Proj. No. I-H3-1(23):11, I-H3-1(2):11
Scale: As Shown Date: Aug. 1970

SHEET No. OF SHEETS

234

DATE	_____
SURVEY PLATTED BY	_____
DRAWN BY	_____
CHECKED BY	_____
NOTE BOOK	_____
No.	_____

H-3 Sta. 505+20.34
Kam. Hwy. Sta. 113+57.99

BEGIN RAMP "G" Sta. 0+00
Kam Hwy. Sta. 115+16

PI. #1
426.78 N
5242.11 W

True North
Scale: 1" = 50'

C.C.O. #20-73.0' 6" Underdrain (Bk. 2A-pg. 30)

C.C.O. #20-20.0' 6" Underdrain (Bk. 2A-pg. 30)

Underdrain, See Sheet No. 235

Future Drain

Inv. 261.5'

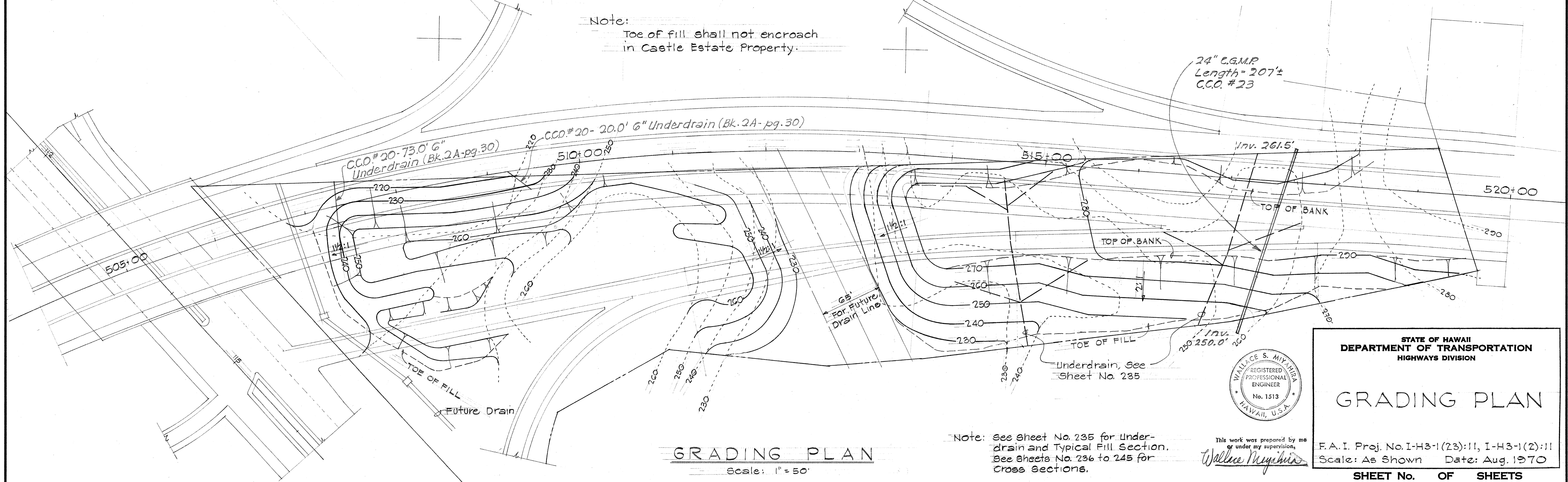
TOP OF BANK

TOP OF BANK

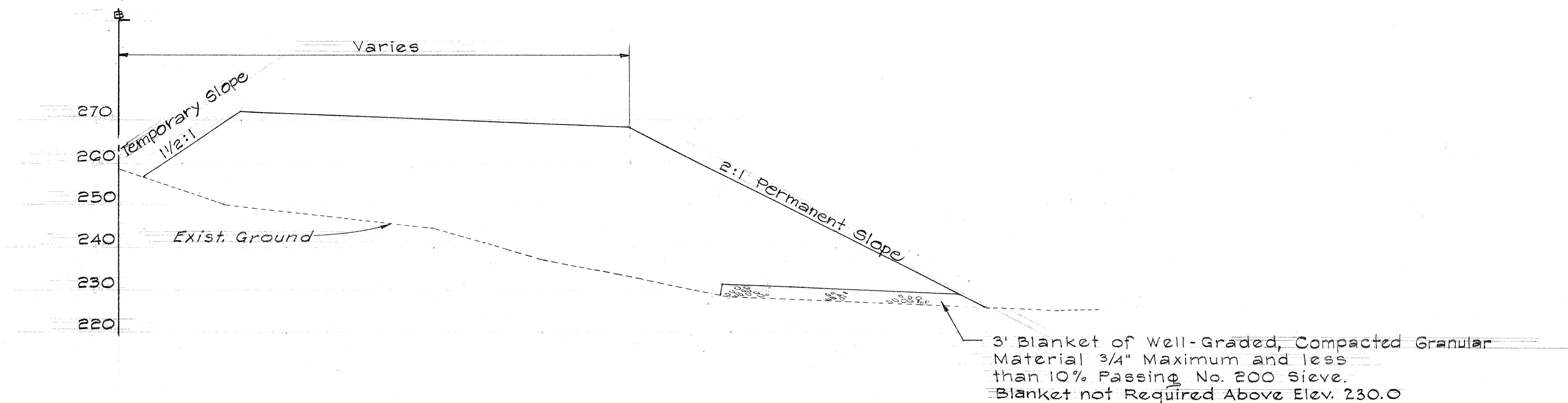
Inv. 250.0'

TOE OF FILL

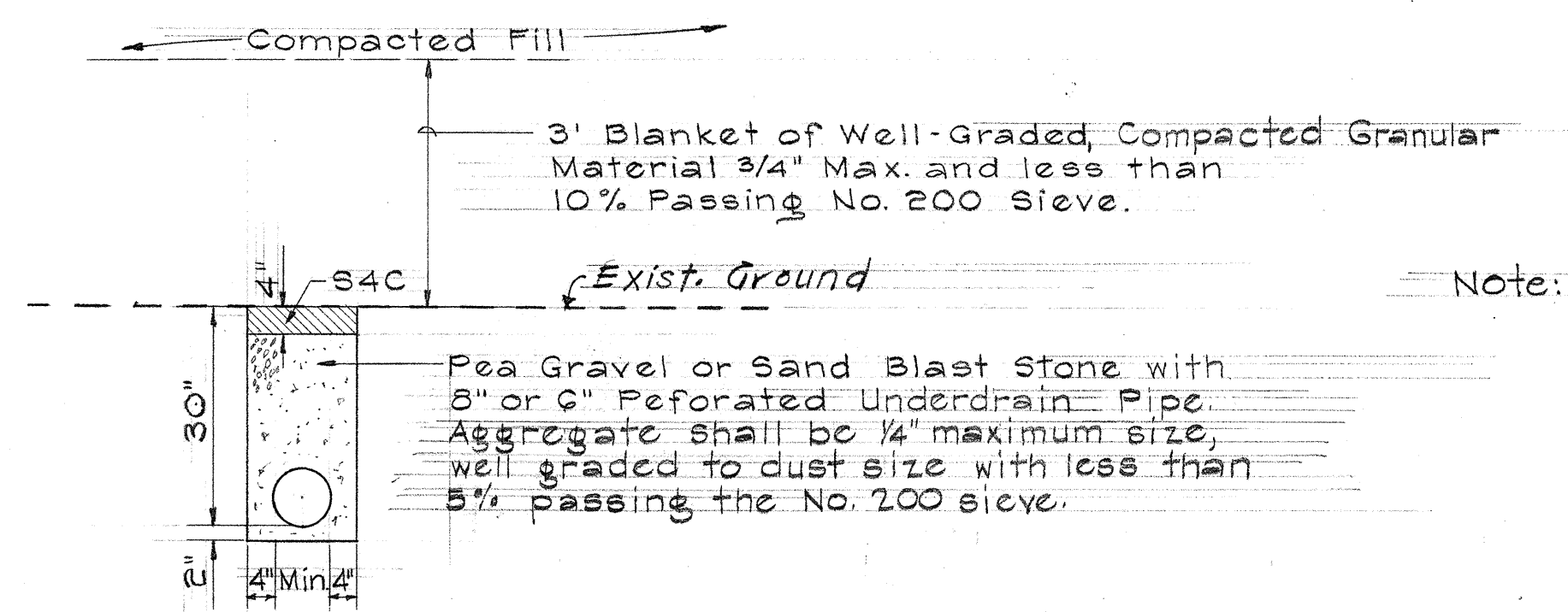
For Future Drain Line



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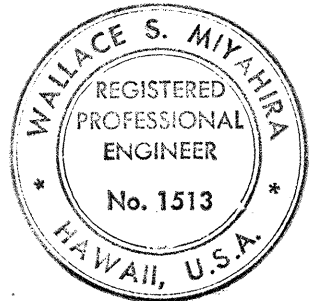
TYPICAL SECTION
 Scale: Horiz. 1" = 20'
 Vert. 1" = 20'



Note: Cost of Pipe, Gravel and S4C considered incidental to price bid for 6-inch perforated under-drain pipe. Excavation be paid under 'structure excavation' other than at Bridges.

TYPICAL UNDERDRAIN DETAIL
 Scale: 1/2" = 1'-0"

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	CHECKED BY	
	REVIEWED BY	
	APPROVED BY	



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 or under my supervision.
Wallace Miyahira

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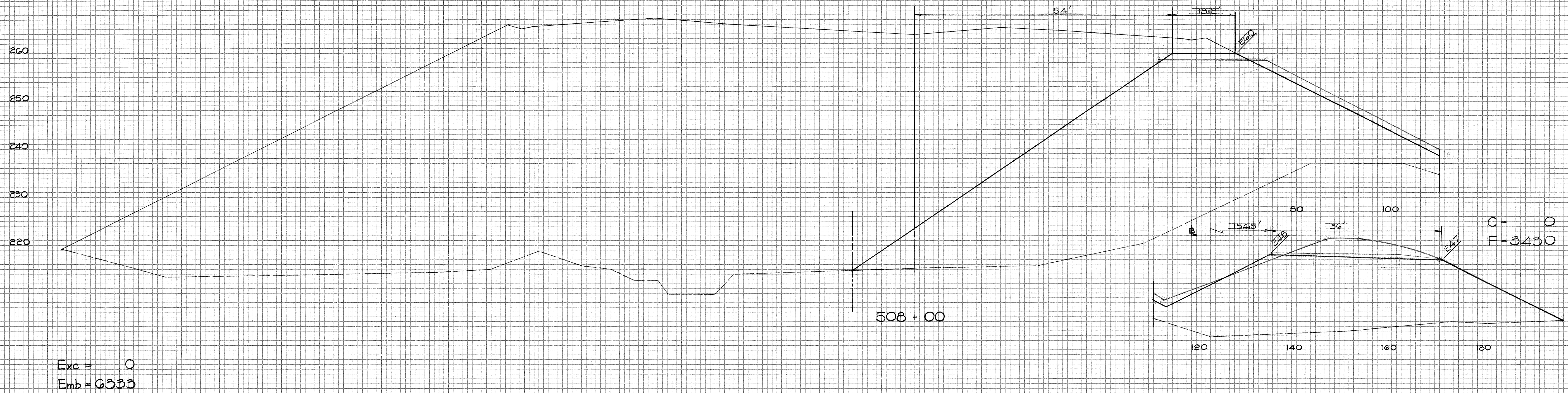
WASTE DISPOSAL
SITE DETAILS

F.A.I. Proj. No. I-H3-1(23):11, I-H3-1(2):11
Scale: As Shown Date: Aug. 1970

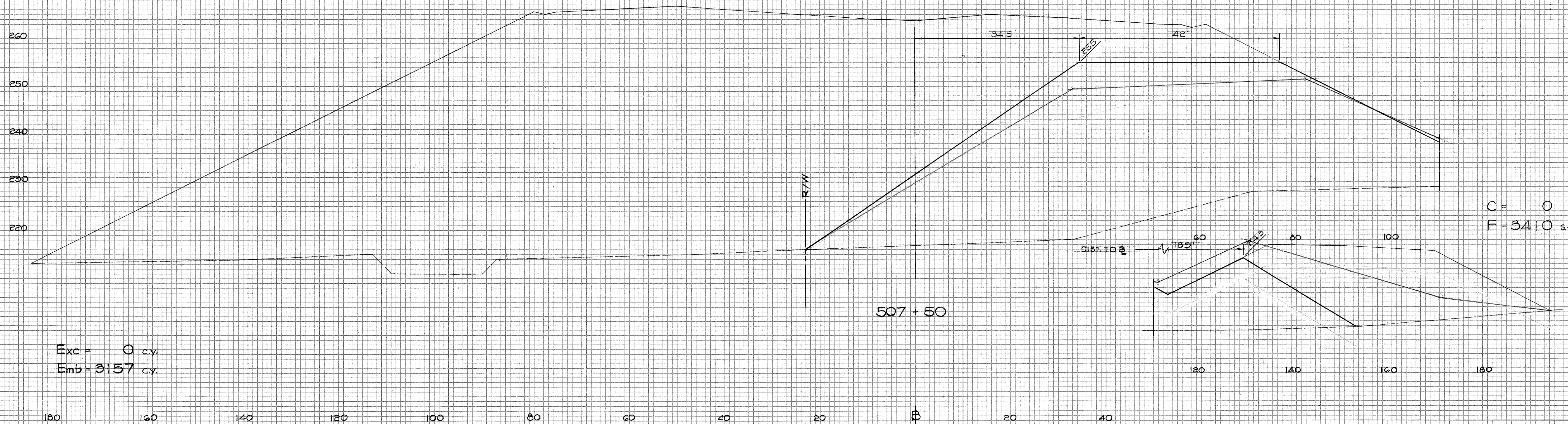
SHEET No. 235 OF 224 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(23):11 I-H3-1(2):11	1970	236	224

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

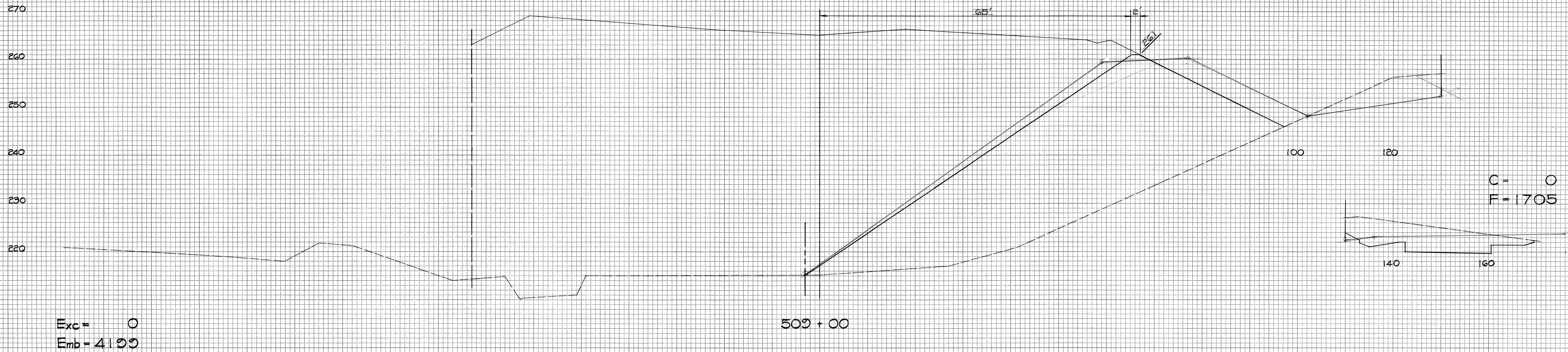


DATE	BY	NO.
ORIGINAL SURVEY	SURVEYED	PLOTTED
NOTE BOOK	TEMPLATE	AREAS CHECKED

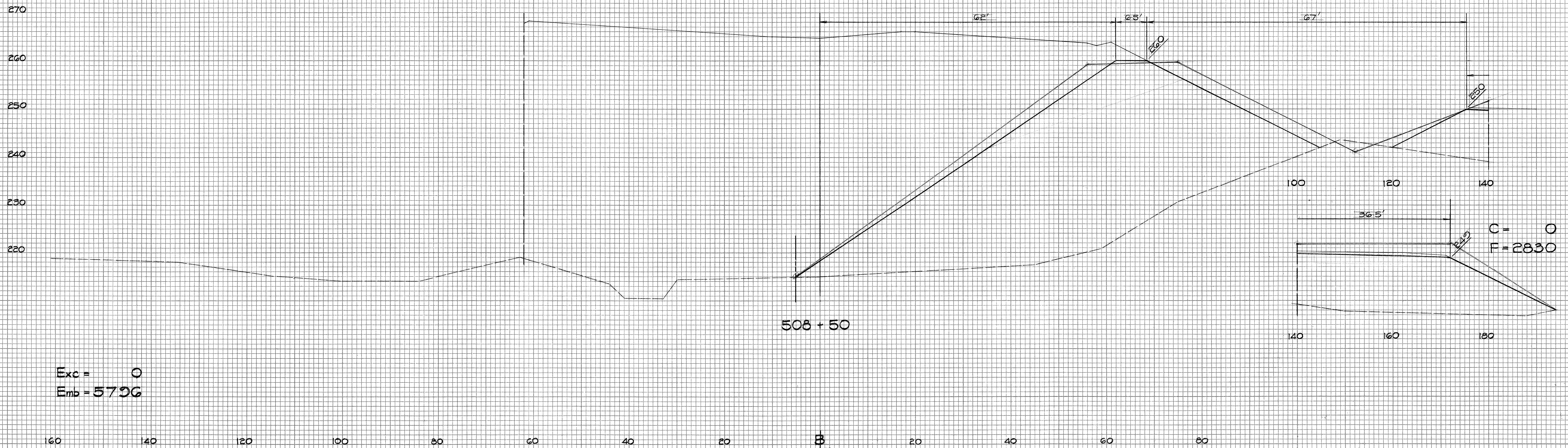


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-(23):11 I-H3-(2):11	1970	237	224

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



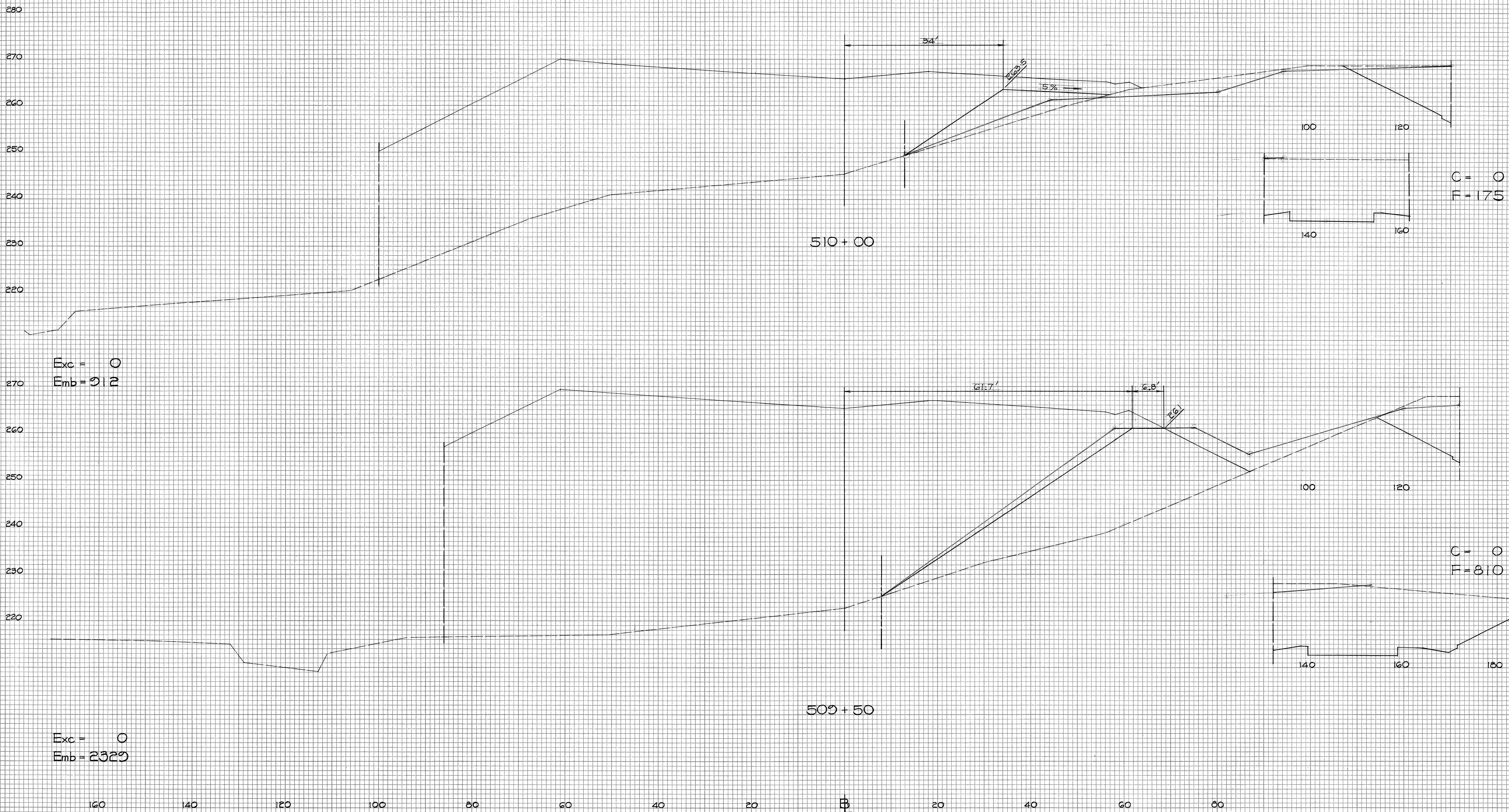
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	BY
	TEMPLATE	
	AREAS CHECKED	



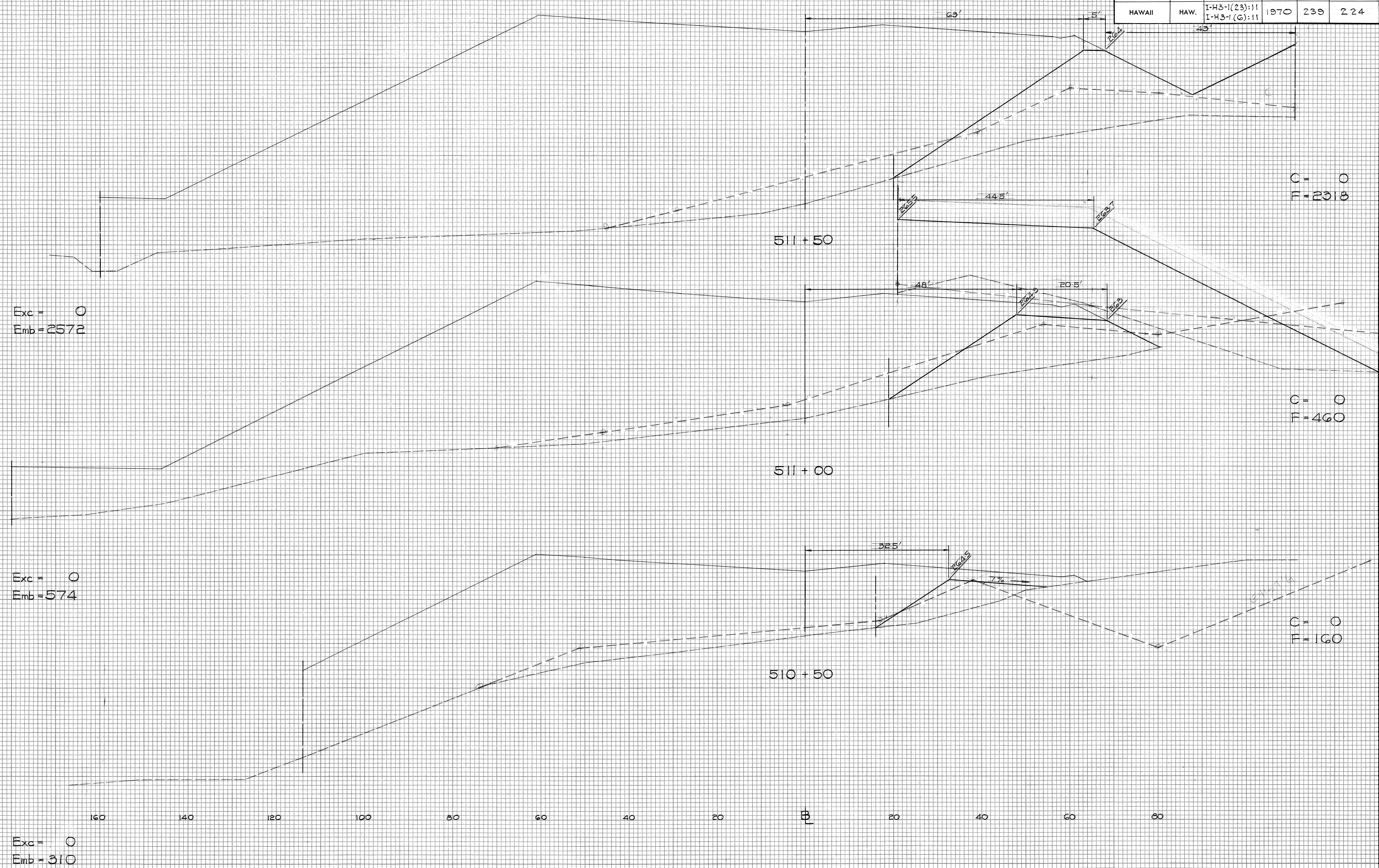
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(23):11 I-H3-1(2):11	1970	238	224

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

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



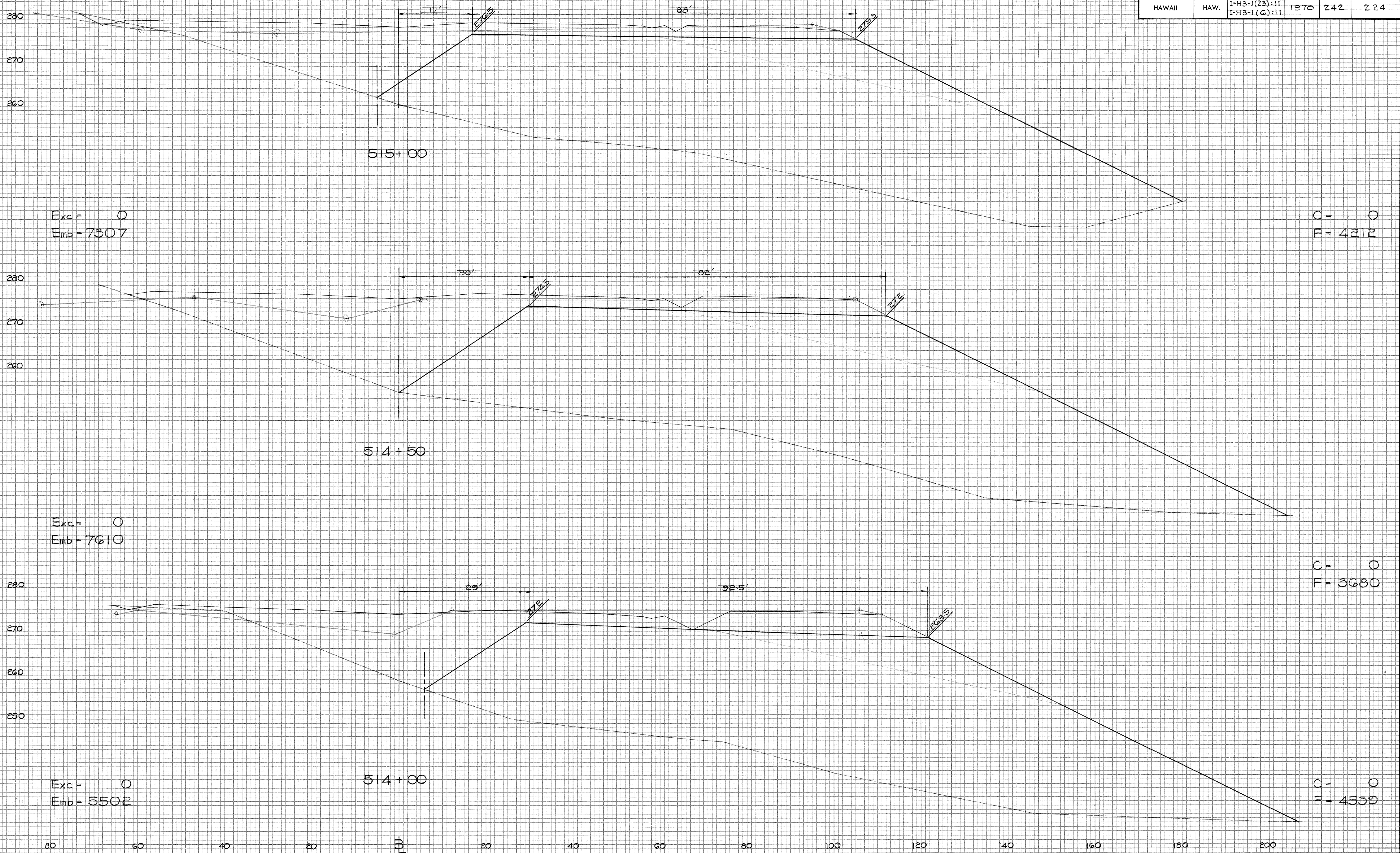
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(23):11 I-H3-1 (6):11	1970	239	224



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(23):11 I-H3-1(6):11	1970	242	224

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
NO.	

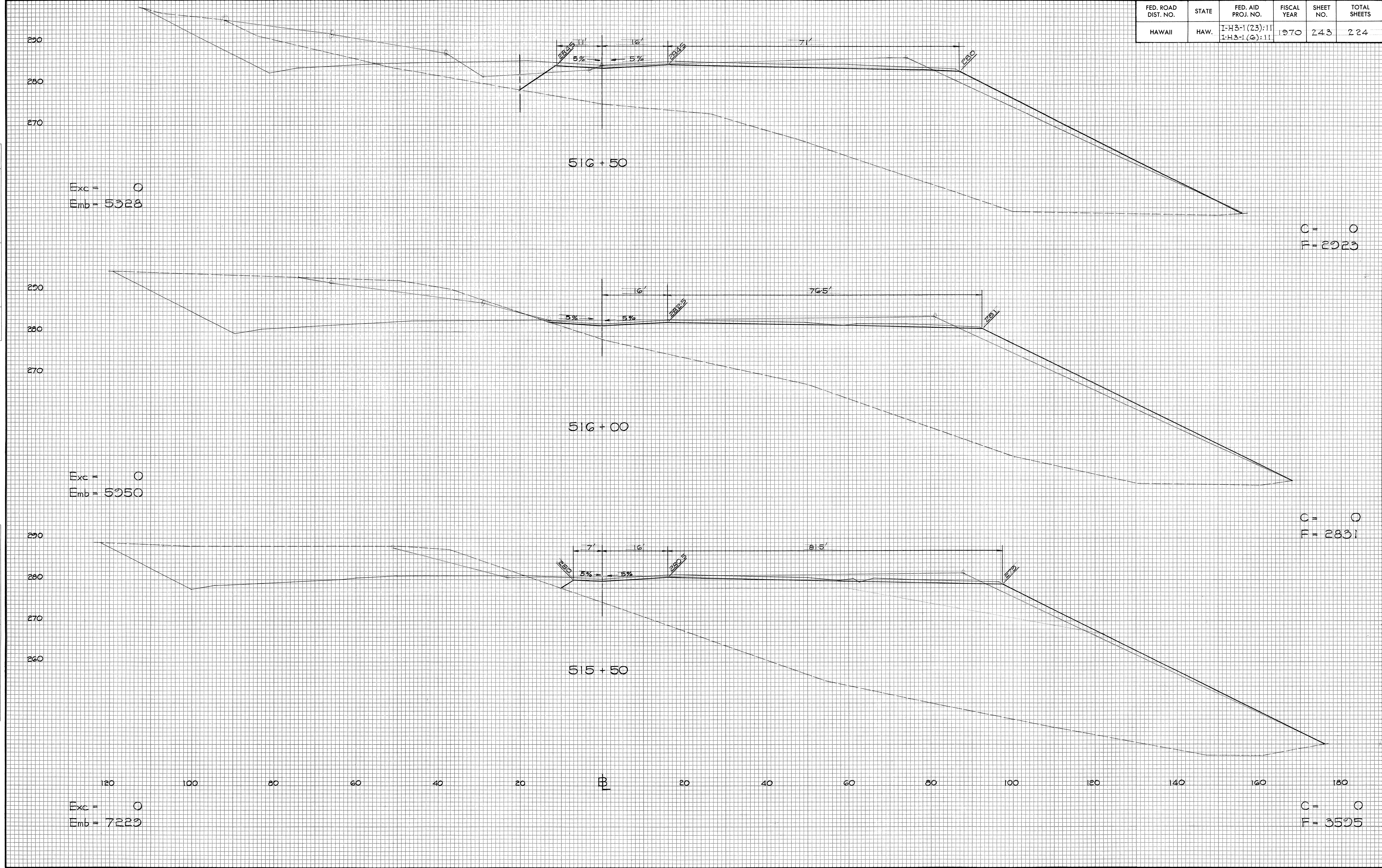
ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
NO.	



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HAWAII	HAW.	I-H3-1(23):11 I-H3-1(26):11	1970	243	224

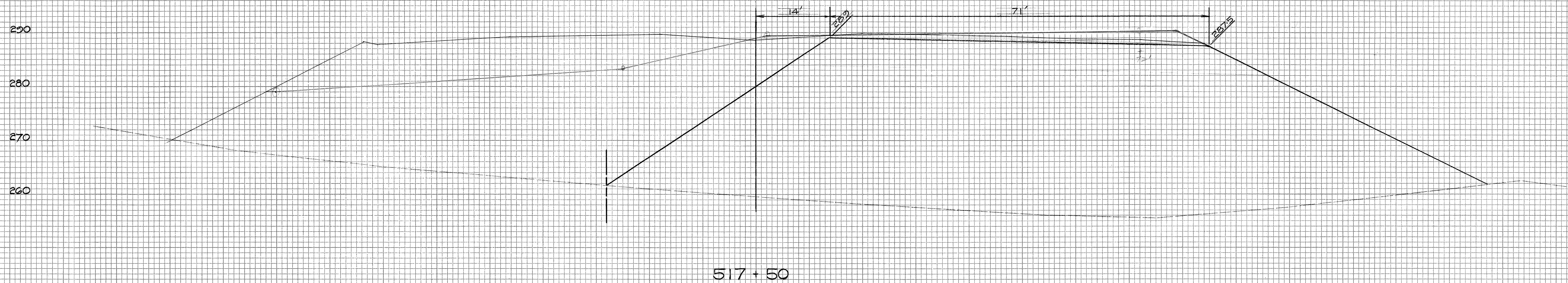
FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK NO.	
AREAS CHECKED	

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



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HAWAII	HAW.	I-H3-1(23):11 I-H3-1(6):11	1970	244	224

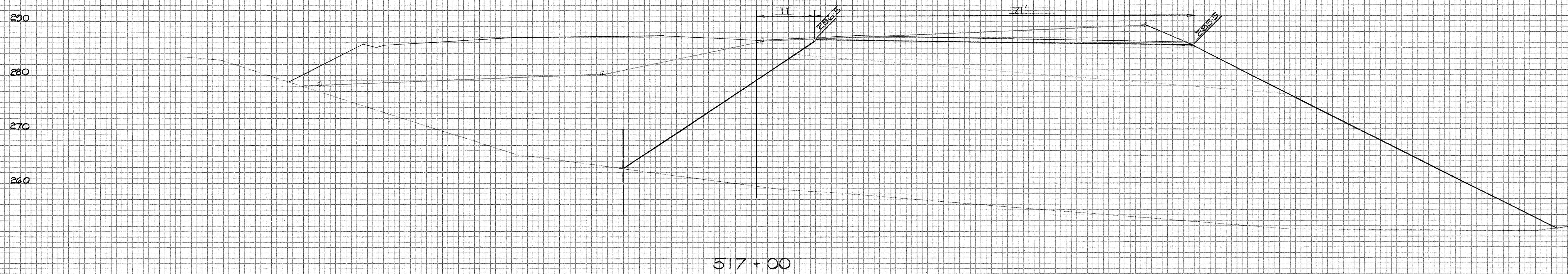
FINAL SURVEY	DATE	
	BY	
	SURVEYED PLOTTED	
	NOTE BOOK NO.	



Exc = 0
Emb = 7057

C = 0
F = 3752

ORIGINAL SURVEY	DATE	
	BY	
	SURVEYED PLOTTED	
	NOTE BOOK NO.	



Exc = 0
Emb = 6290

C = 0
F = 3870

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HAWAII	HAW.	I-H3-1(23):11 I-H3-1(6):11	1970	245	224

FINAL SURVEY NO.	DATE	BY	NO.

ORIGINAL SURVEY NO.	DATE	BY	NO.

