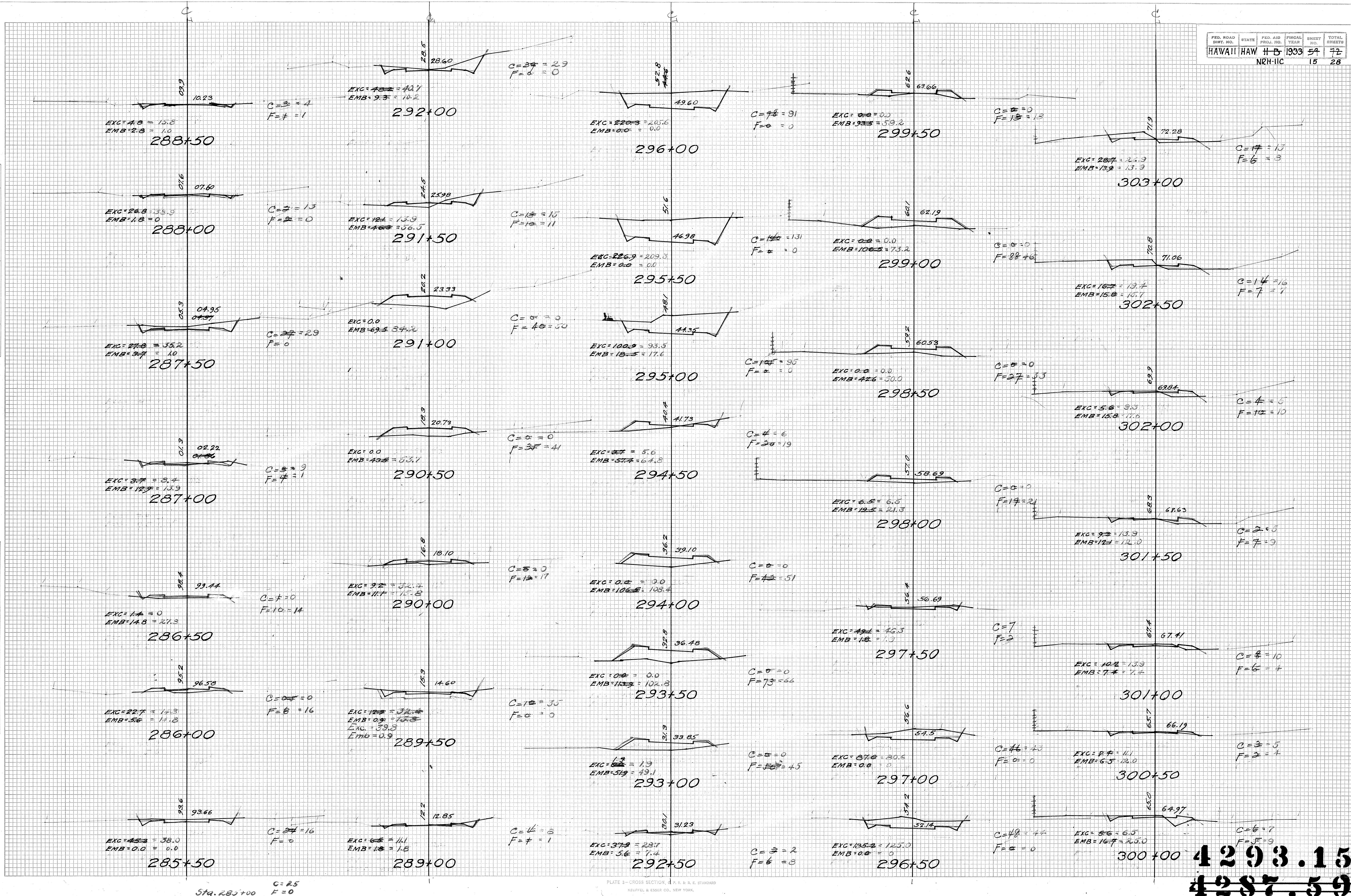
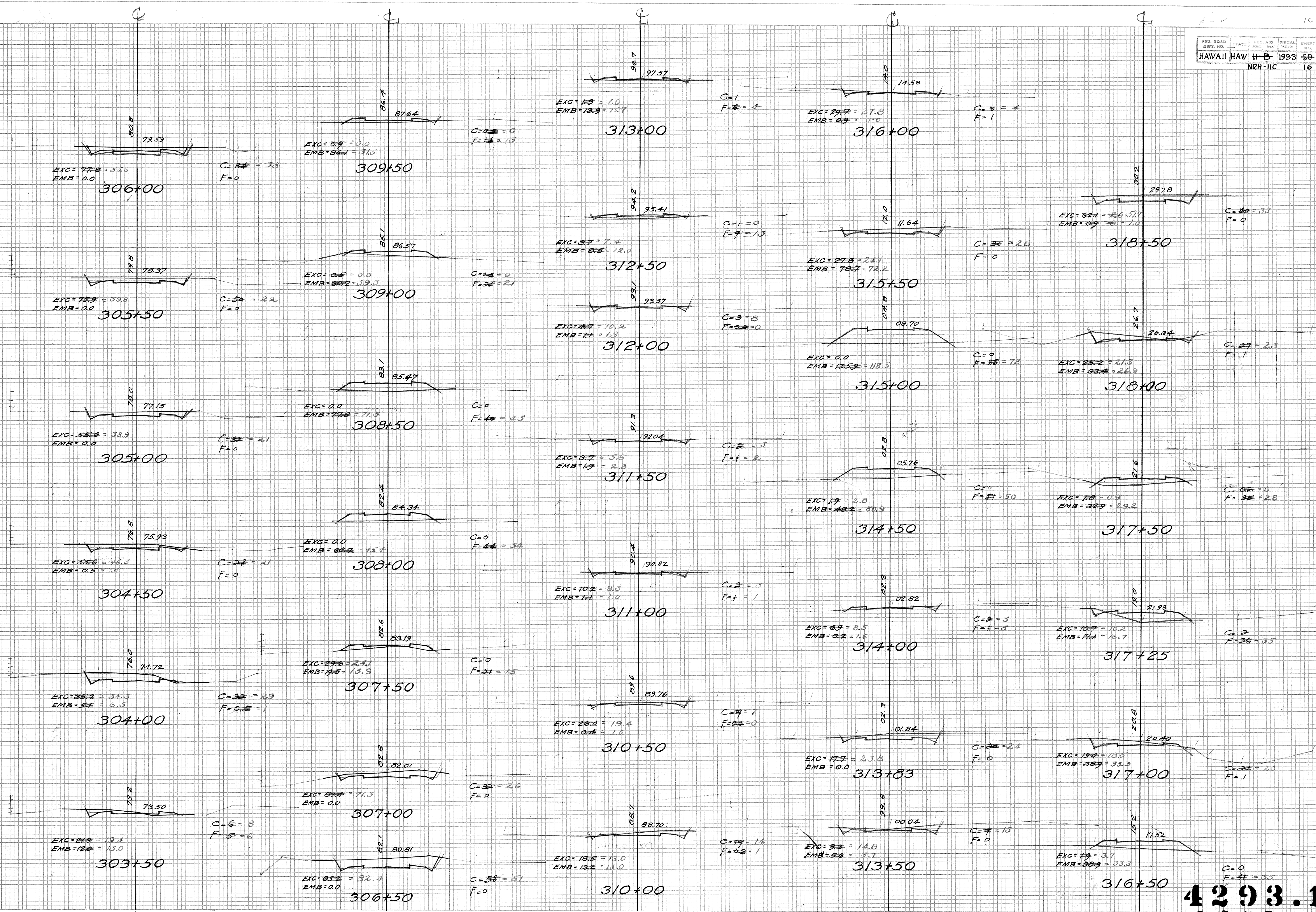




FINAL SURVEY PLOTTED
NOTE BOOK NO. _____
AREAS CHECKED _____

ORIGINAL SURVEY PLOTTED
NOTE BOOK NO. _____
AREAS CHECKED _____



4293.16
4287.60

DATE _____ BY _____
 SURVEYED _____
 FINAL SURVEY _____
 NOTE BOOK _____
 NO. _____

DATE _____ BY _____
 SURVEYED _____
 ORIGINAL SURVEY _____
 NOTE BOOK _____
 NO. _____

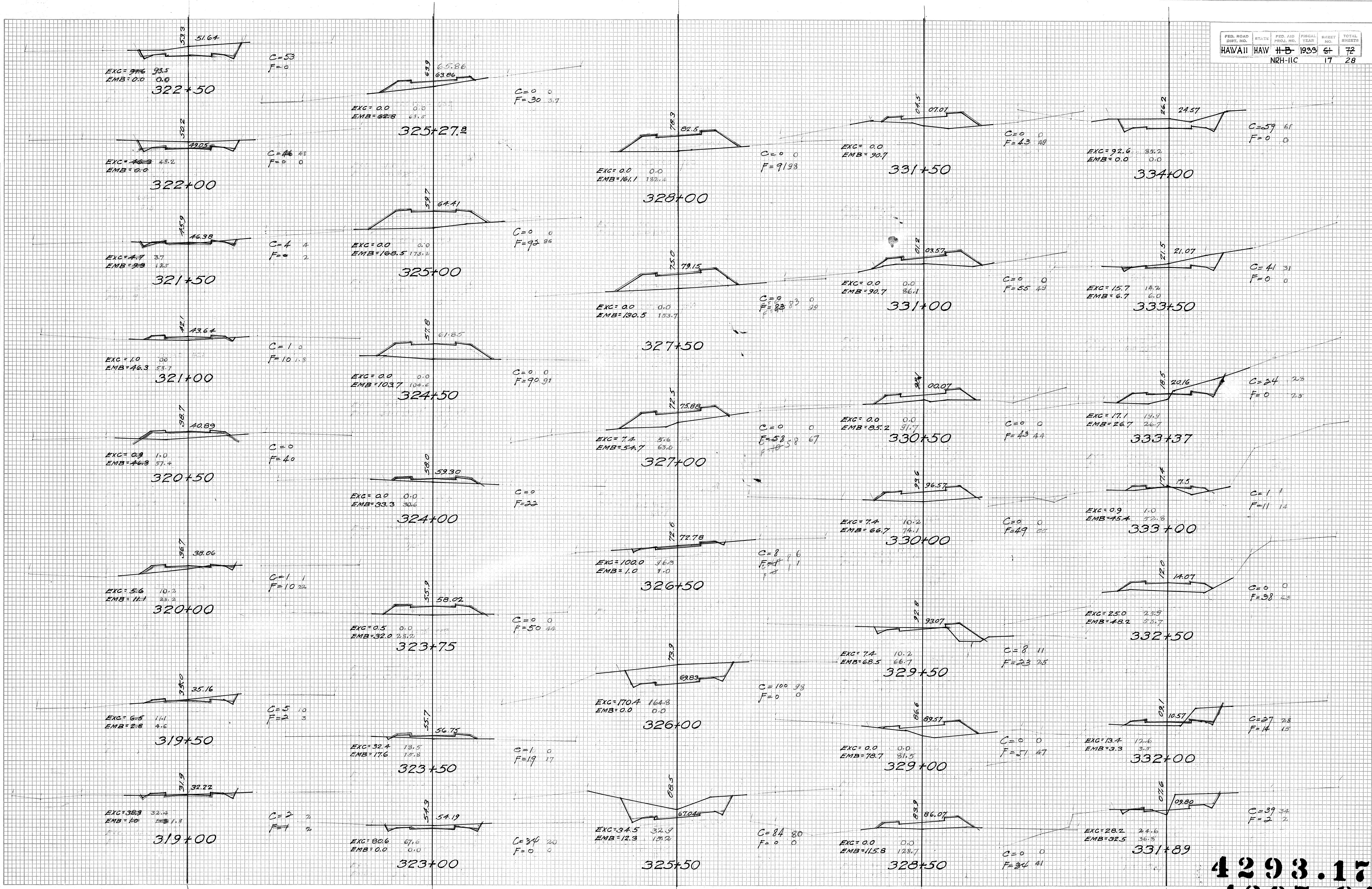


PLATE 3 - CROSS SECTION 1/4" = 1' & 1/2" = 10' STANDARD
 KEUFFEL & ESSER CO. NEW YORK

4293.17
 4287.61
 17 44

FINAL SURVEY
NOTE BOOK
NO.

ORIGINAL SURVEY
NOTE BOOK
NO.

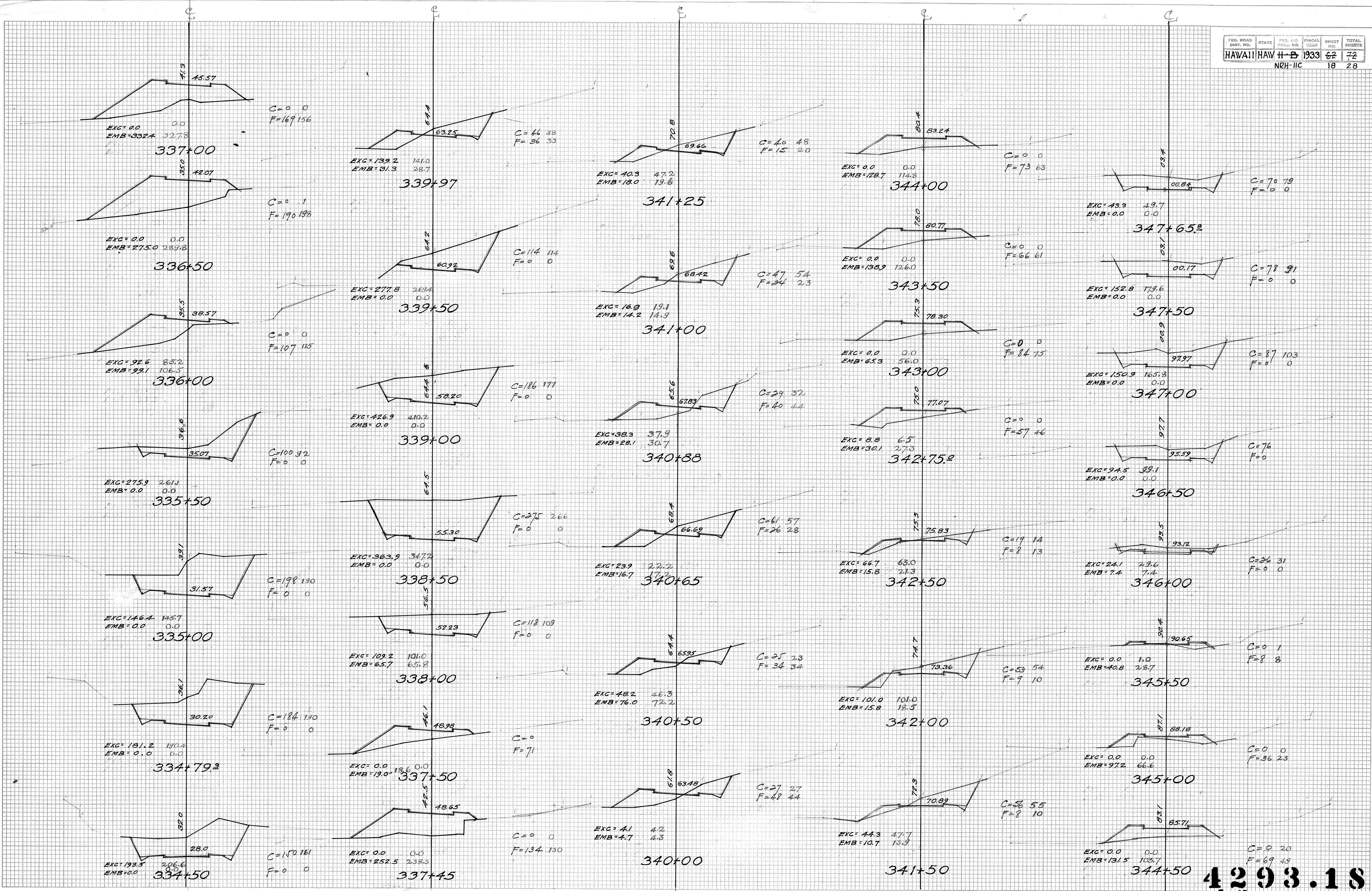
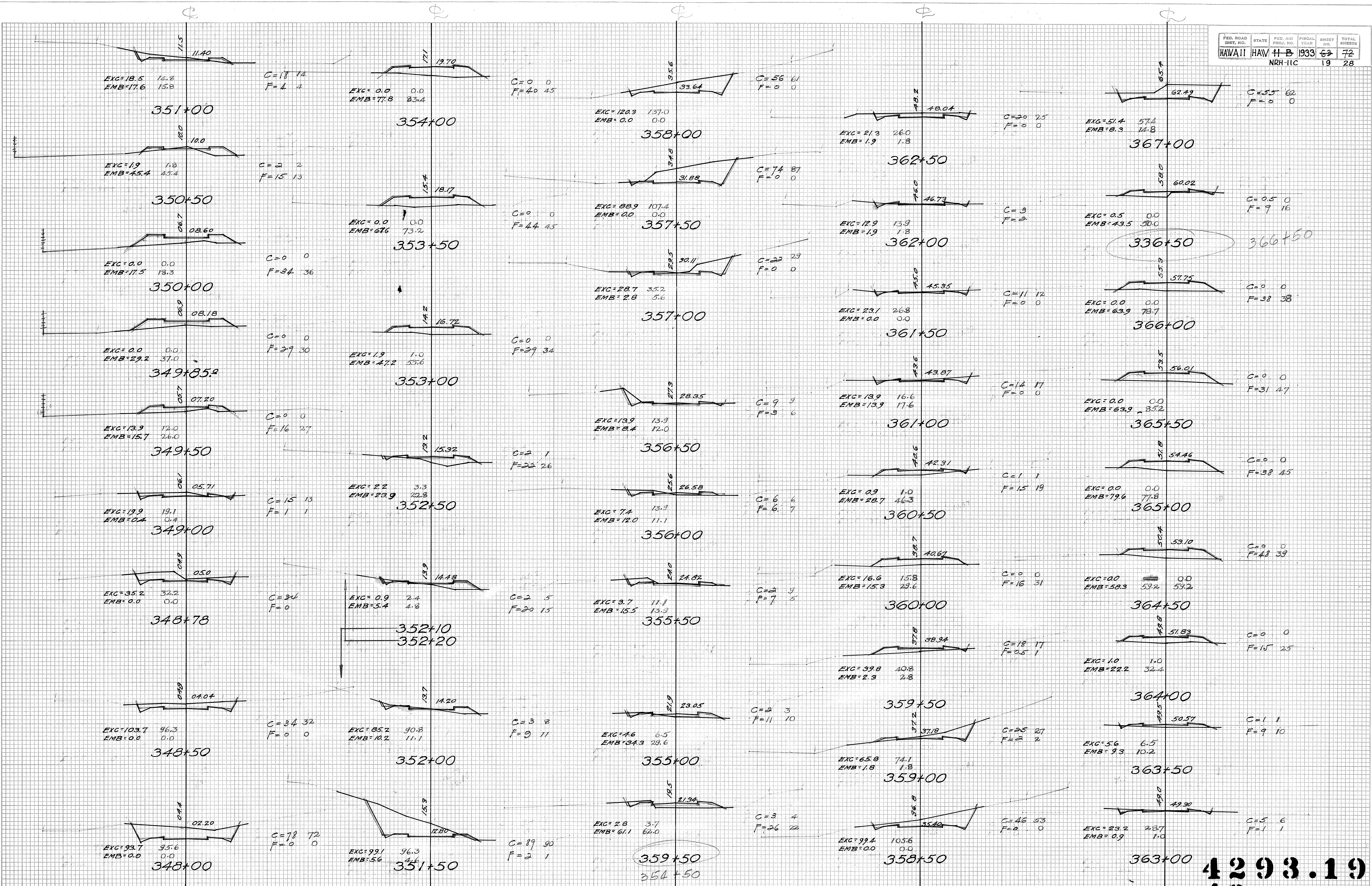


PLATE 3-CROSS SECTION C. P. R. & R. E. STANDARD
KIEFFEL & ESSER CO., NEW YORK.

4293.18
4287.62

FINAL SURVEY PLOTTED
NOTE BOOK NO. _____
AREAS CHECKED _____

ORIGINAL SURVEY PLOTTED
NOTE BOOK NO. _____
AREAS CHECKED _____

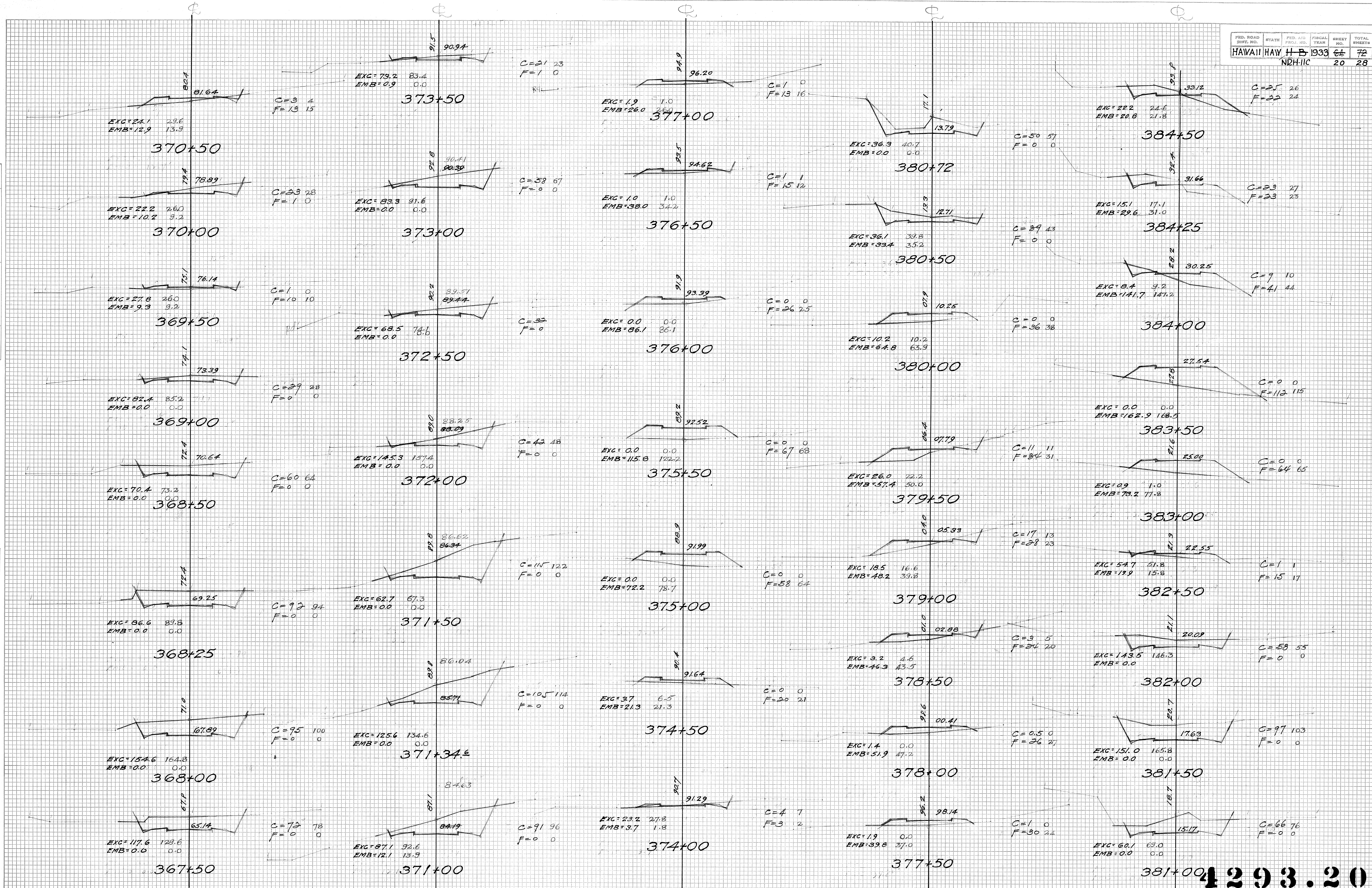


4293.19
4287.63
19 28

DATE	BY	FINAL SURVEY	SURVEYED	PLOTTED	DATE
		NO.			
		NO.			

DATE	BY	ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE
		NO.			
		NO.			

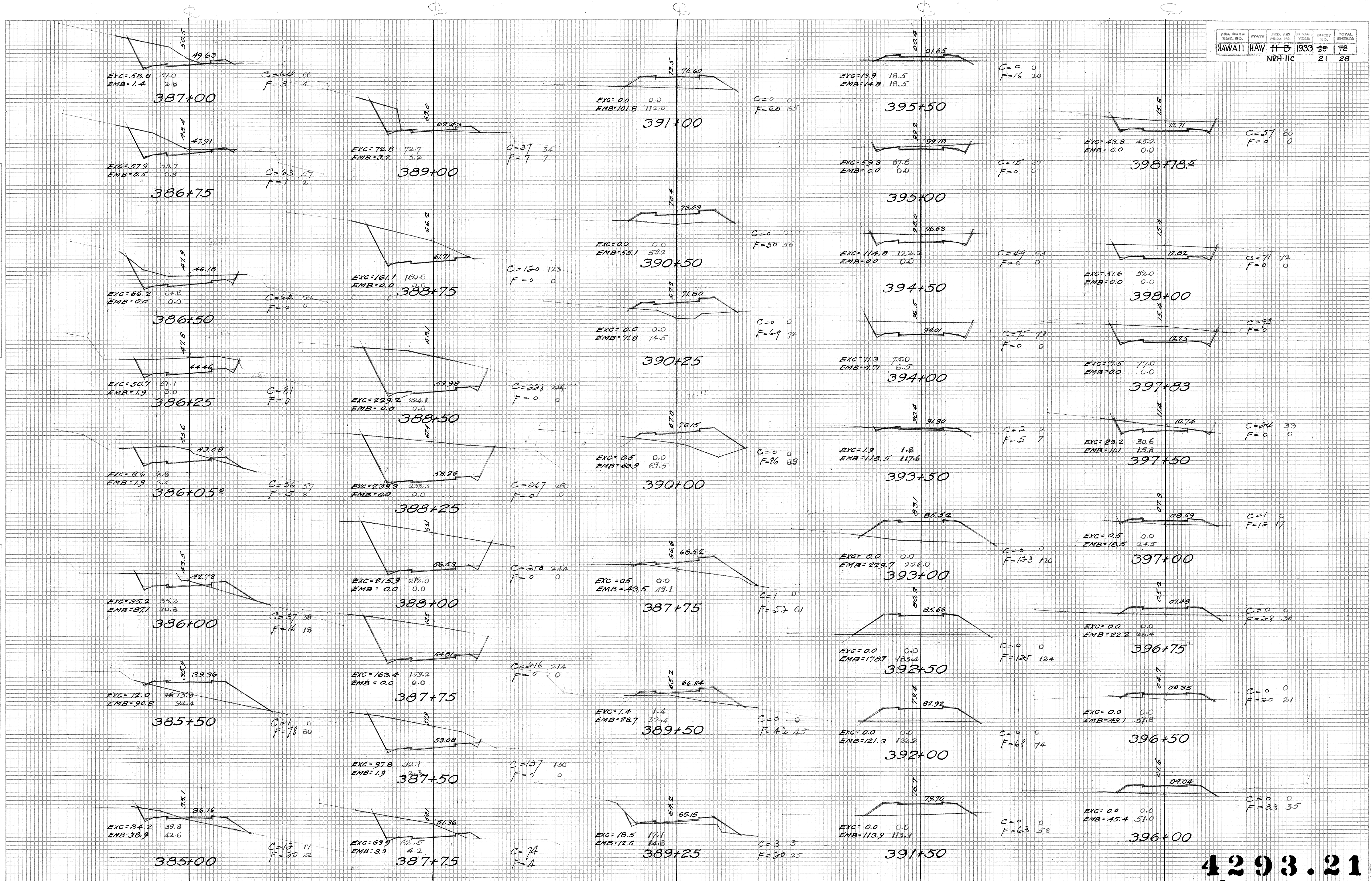
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	H-B-1933	64	72	20 28
NDH-11C					



4293.20
4287.64

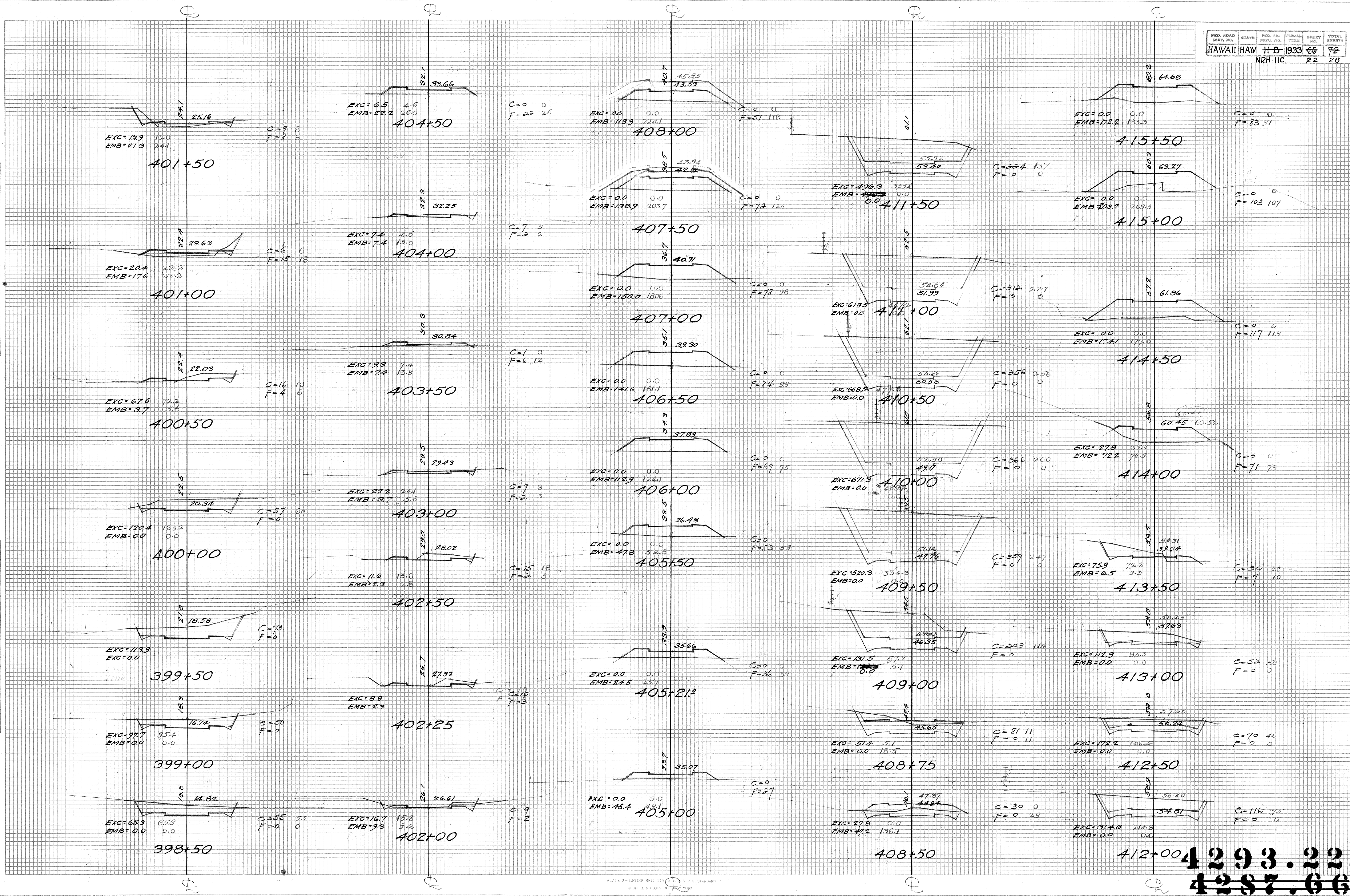
FINAL SURVEY PLOTTED
DATE: _____ BY: _____
NOTE BOOK NO. _____ AREAS CHECKED: _____

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



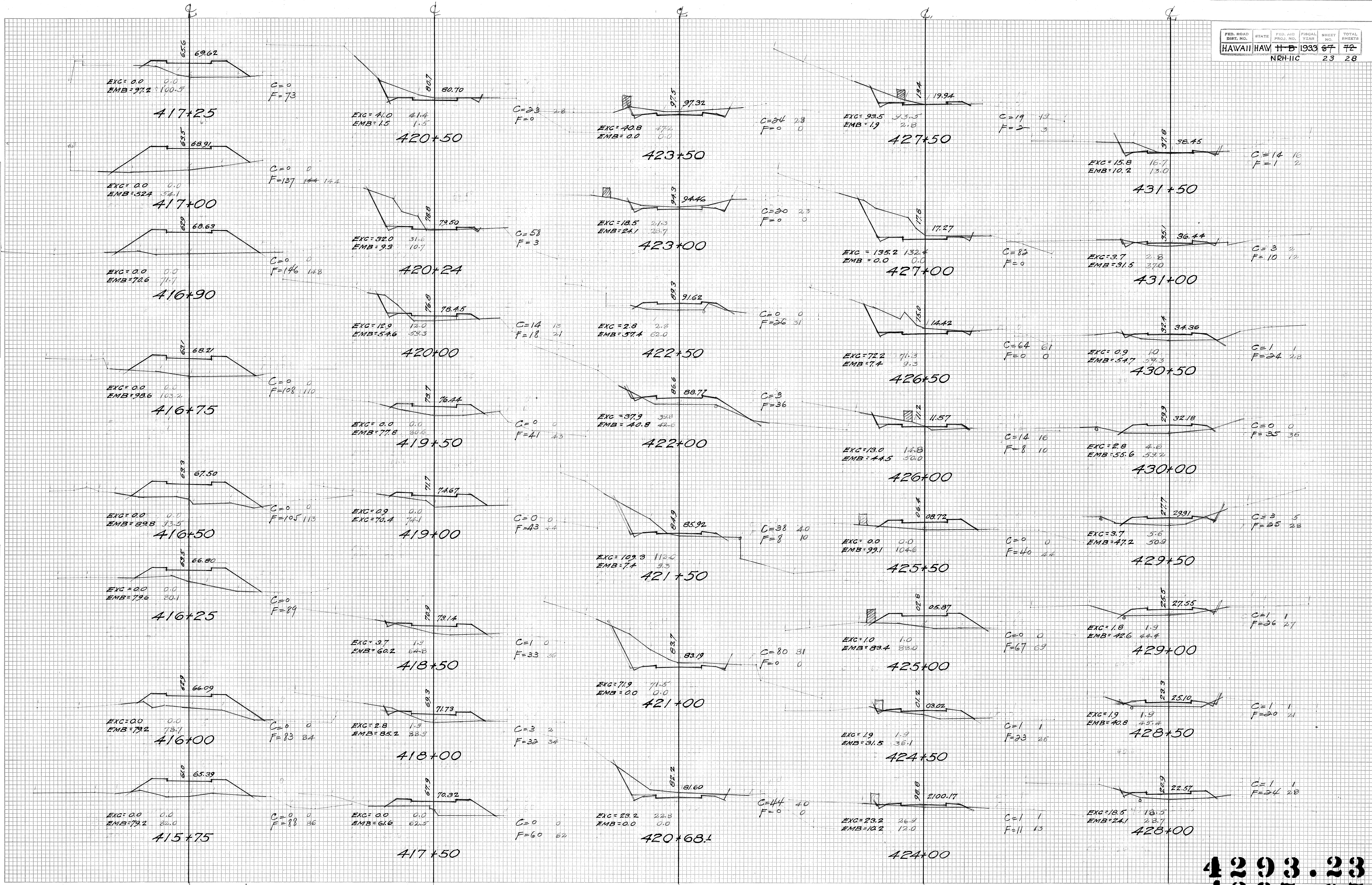
FINAL SURVEY PLOTTED
NOTE BOOK NO. _____
DATE _____

ORIGINAL SURVEY PLOTTED
NOTE BOOK NO. _____
DATE _____



DATE _____ BY _____
 ORIGINAL SURVEY FLOPPED TEMPLATE AREAS CHECKED
 NO. _____

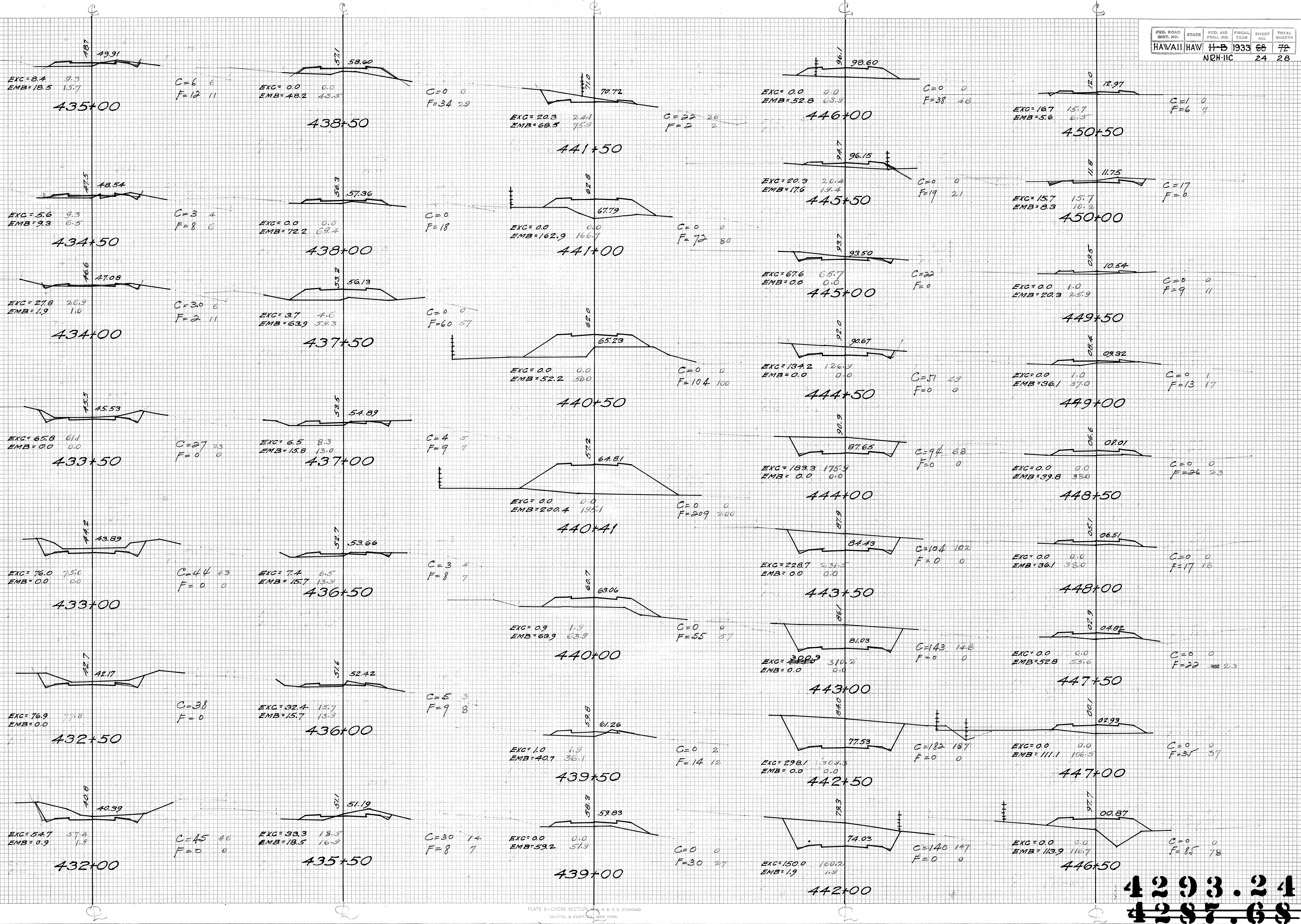
DATE _____ BY _____
 ORIGINAL SURVEY FLOPPED TEMPLATE AREAS CHECKED
 NO. _____



4293.23
 4287.67

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

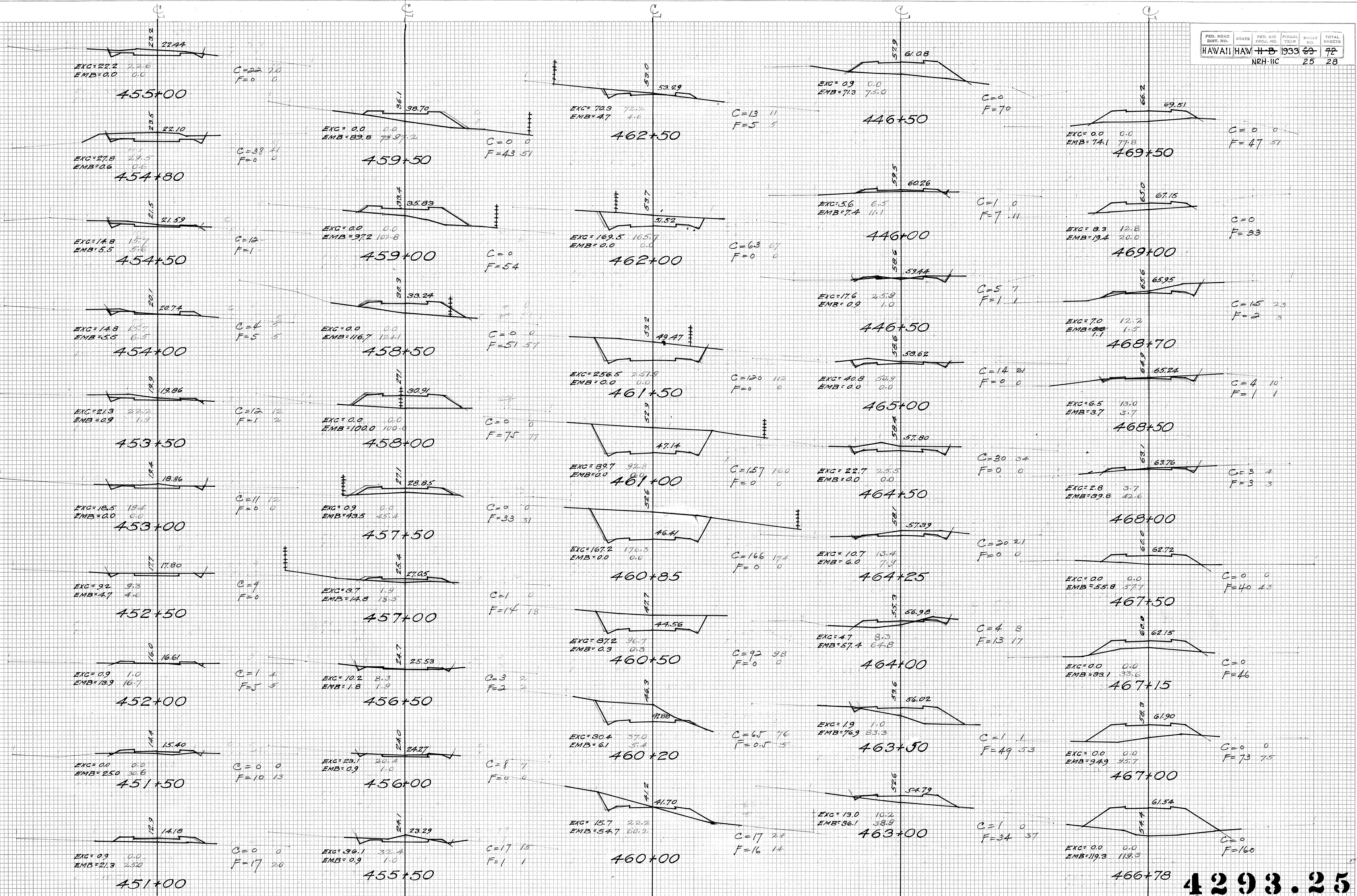
DATE _____ BY _____
 ORIGINAL SURVEY PLOTTED _____
 NOTE BOOK _____
 NO. _____ AREAS CHECKED _____



4293.24
 4287.68

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

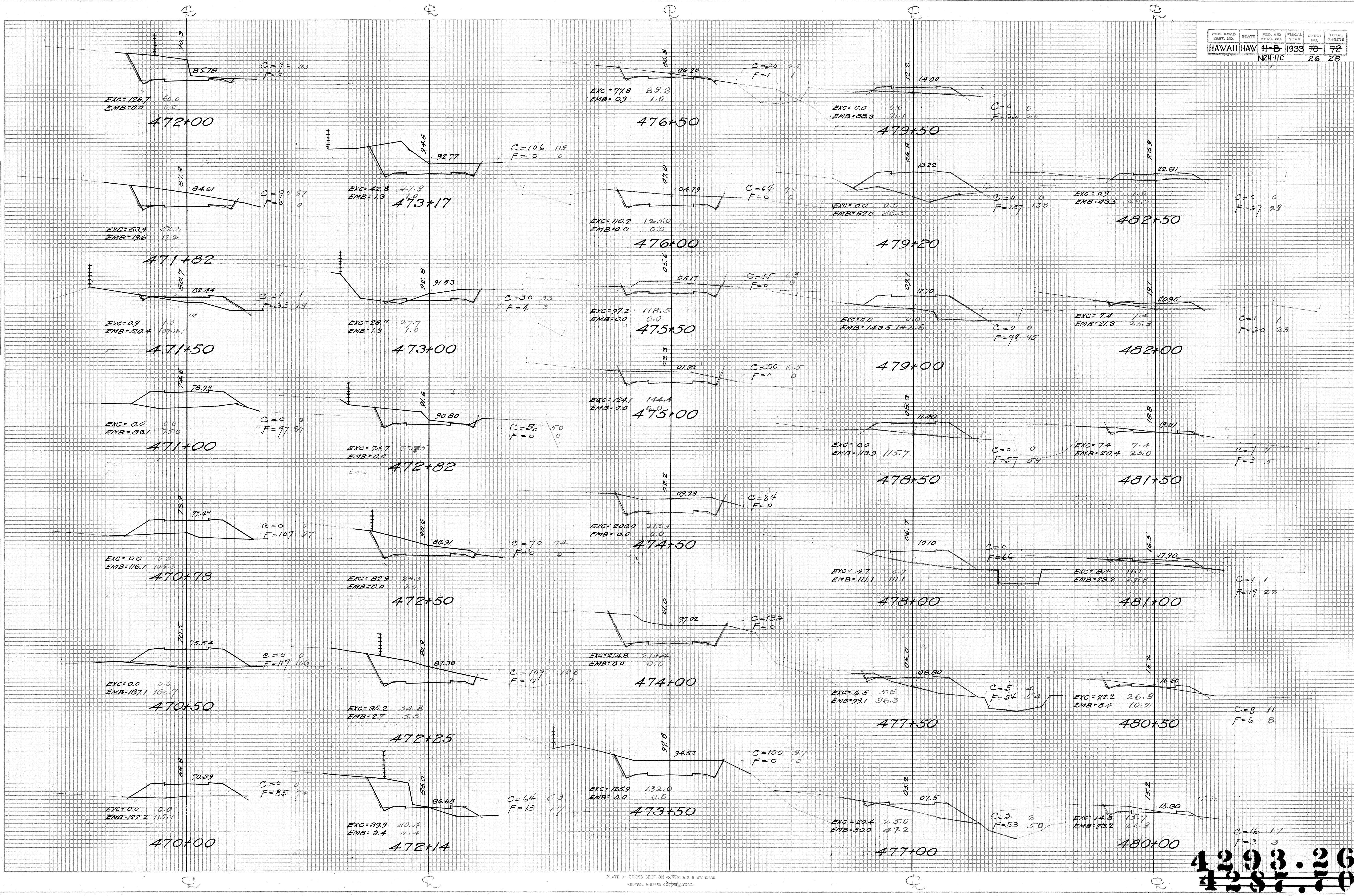
DATE _____ BY _____
 ORIGINAL SURVEYED _____
 PLOTTED _____
 NOTE BOOK _____
 NO. _____ AREAS CHECKED _____



4293.25
 4287.69

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

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

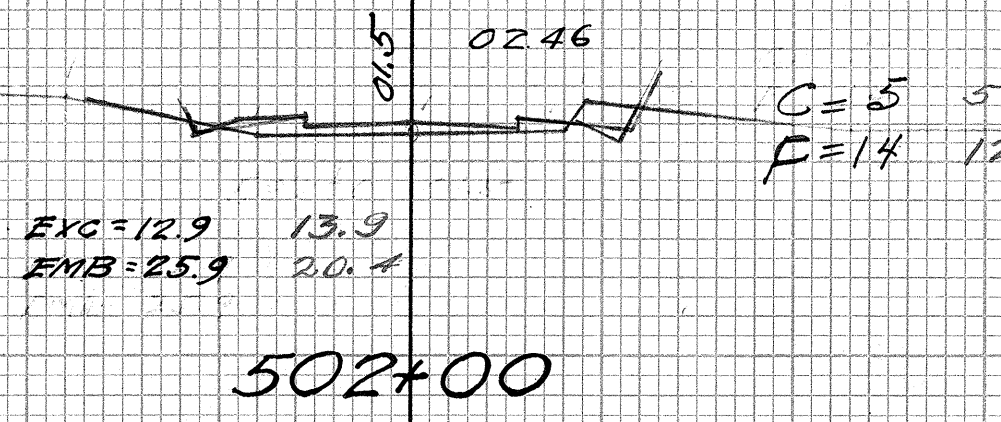
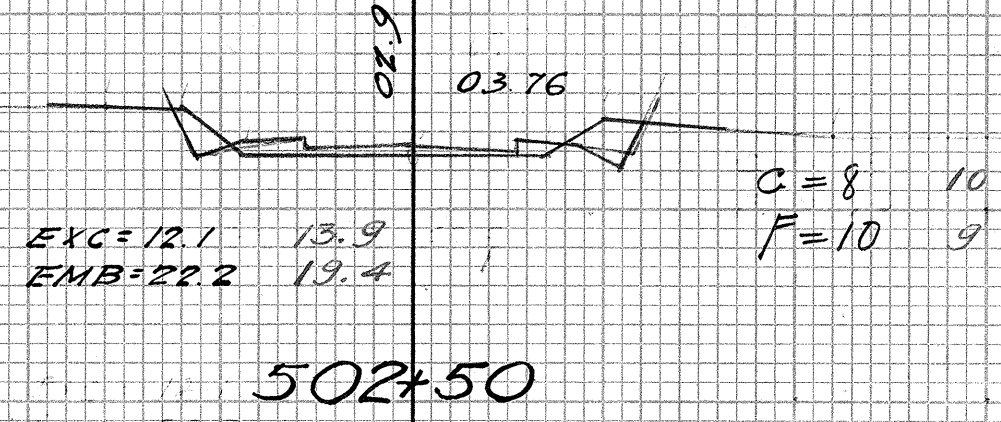
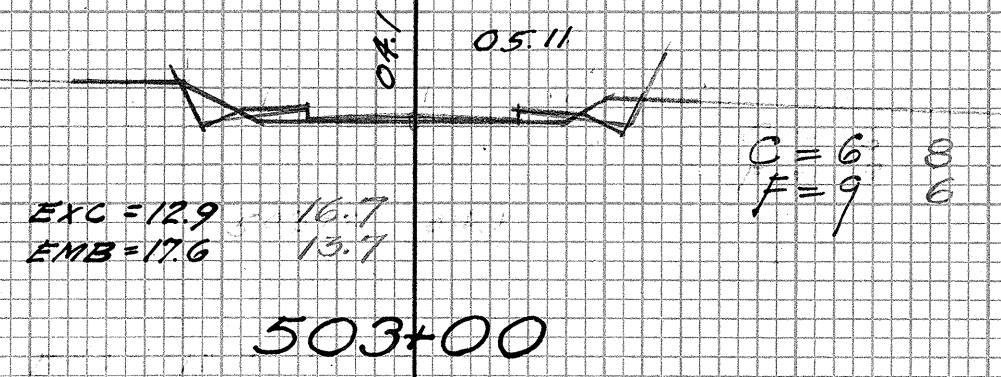
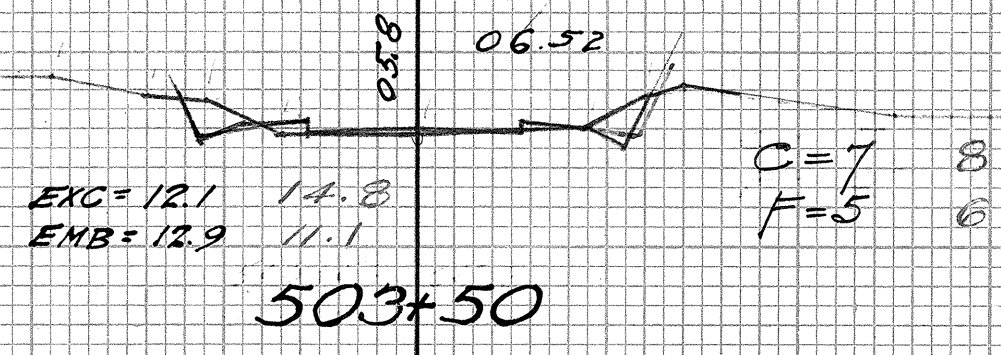
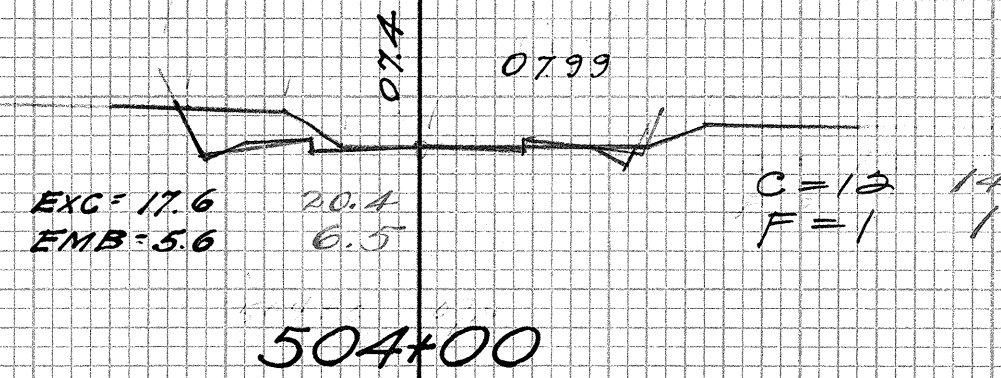
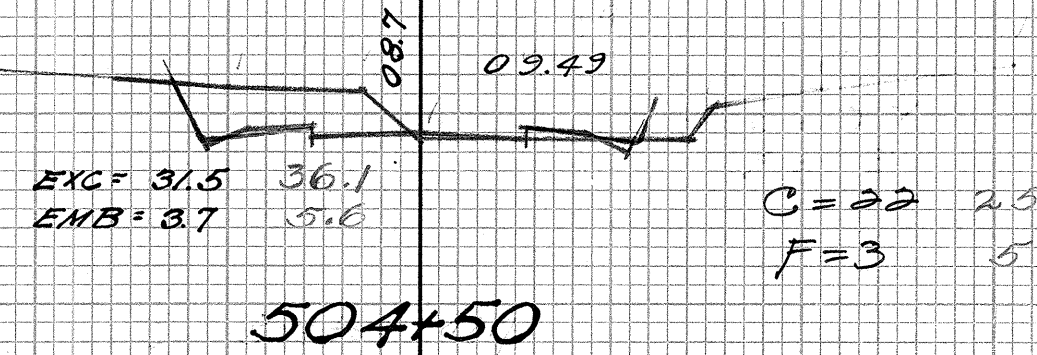
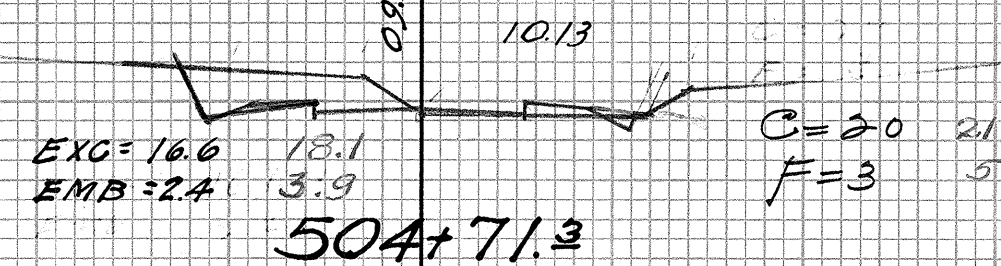


4293.26
 4287.70

FINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
NO.	

ORIGINAL SURVEY	DATE
SURVEYED	BY
PLOTTED	
NOTE BOOK	
NO.	

END OF PROJECT



Note to Resident Engineer NRH-11C:

Due to the change in Typical Sections as noted on Sheet No. 2, the following is the estimated change in quantities:

Sectional end areas in cut diminish 0.12 sq.ft. for shoulders and ditches and increase 0.25 sq.ft. per foot in height of back slope.

Sectional end areas in fill diminish 0.38 sq.ft. for shoulders and increase 0.17 sq.ft. per foot in height of fill slope. These figures are for tangent sections only. Super-elevated sections vary slightly.

$$\begin{aligned}
 18,647 \text{ } 62+56 \times 0.25 \times 7 &= 168,732.25 \text{ c.f. increase in excavation} \\
 18,647 \text{ } 62+56 \times 0.12 &= 2,237.64 \text{ " decrease " } \\
 &= 166,494.61 \text{ " or } 1,237.64 \text{ c.y. net increase in exc.} \\
 11,353 \text{ } 37+844 \times 0.17 \times 10 &= 19,300.10 \text{ c.f. increase in embankment} \\
 11,353 \text{ } 37+844 \times 0.38 &= 4,314.14 \text{ " decrease " } \\
 &= 14,985.96 \text{ " or } 1,353.2 \text{ c.y. net increase in emb.}
 \end{aligned}$$

Resident Engineer to raise and lower grades to bring the quantities of excavation and embankment using new section as near to original quantities as possible.

July 14, 1933
J.G.M.

4293.28
4287.72