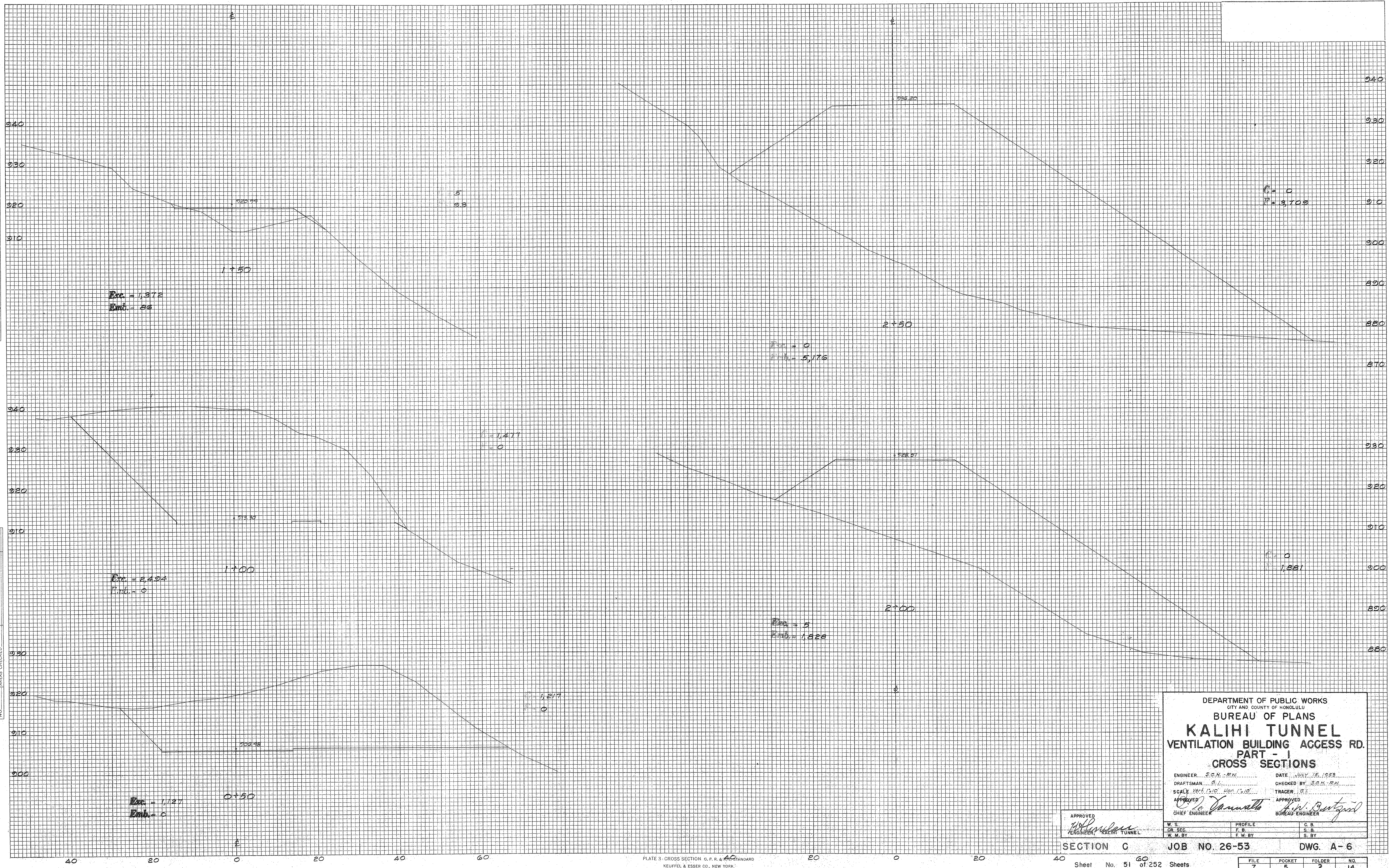


FINAL SURVEY	DATE	BY
	SURVEYED	PLOTTED
	NOTE BOOK	AREAS CHECKED
	NO.	

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



DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF HONOLULU BUREAU OF PLANS KALIHI TUNNEL VENTILATION BUILDING ACCESS RD. PART - I CROSS SECTIONS			
ENGINEER: S.O.H. RM.	DATE: JULY 18, 1928	CHECKED BY: S.O.H. RM.	TRACER: S.B.
DRAFTSMAN: S.B.	SCALE: Vert. 1"=10' Hor. 1"=10'	APPROVED: <i>[Signature]</i>	APPROVED: <i>[Signature]</i>
CHIEF ENGINEER	BUREAU ENGINEER		

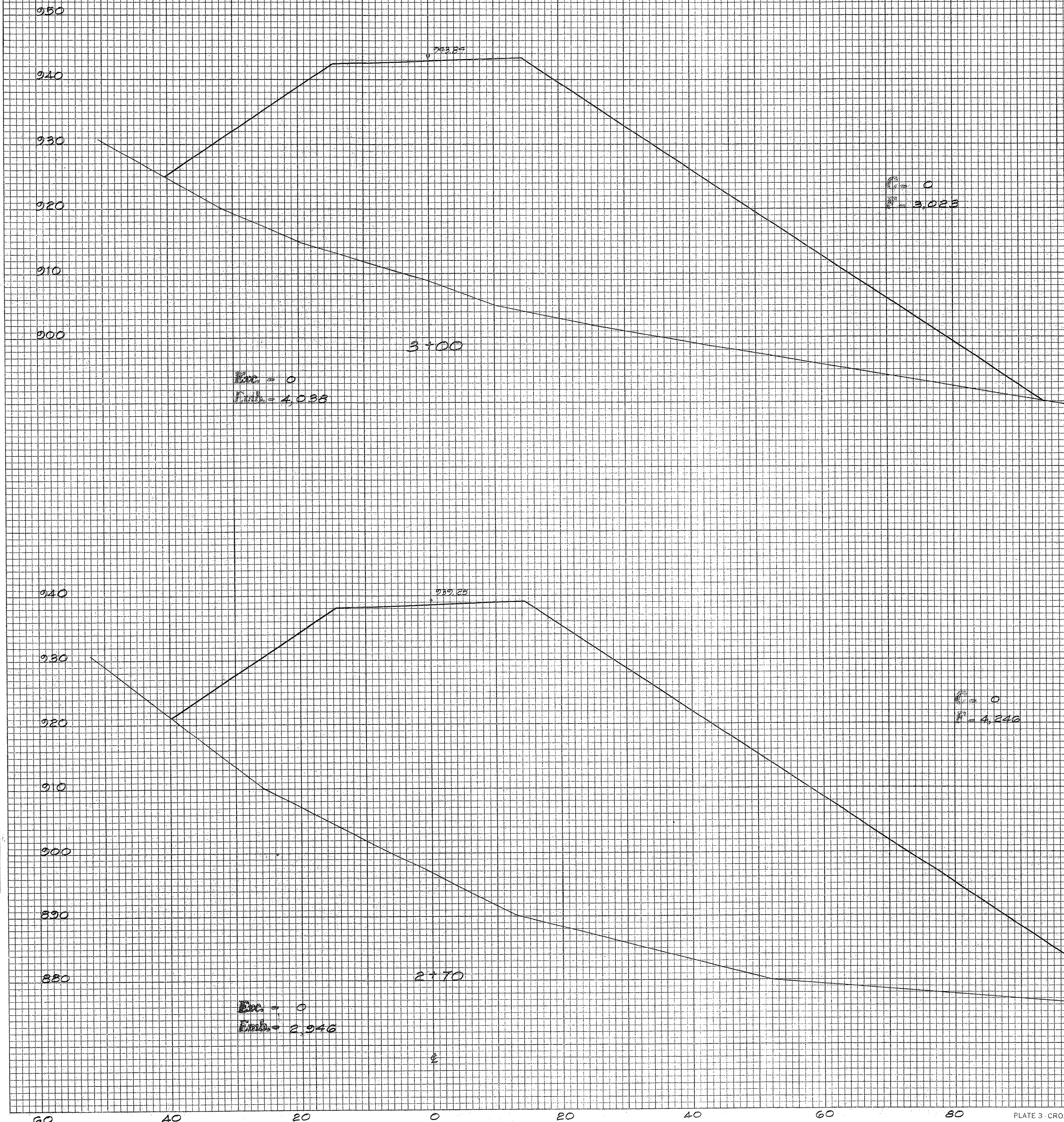
APPROVED
[Signature]
ENGINEER, KALIHI TUNNEL

SECTION C	JOB NO. 26-53	DWG. A-6
Sheet No. 51 of 252 Sheets	FILE 7	POCKET 5
	FOLDER 2	NO. 14

PLATE 3 - CROSS SECTION G. P. R. & STANDARD
KEUFFEL & ESSER CO., NEW YORK

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

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



EARTHWORK SUMMARY

Exc.	5,012 C.Y.
EMB	19,102 C.Y.
+18% EMB	22,665 C.Y.
TOTAL EMB	21,967 C.Y.

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF HONOLULU BUREAU OF PLANS			
KALIHI TUNNEL			
VENTILATION BUILDING ACCESS RD.			
PART - I			
CROSS SECTIONS			
ENGINEER	S.O.H. R.M.	DATE	JULY 15, 1933
DRAFTSMAN	G.L.	CHECKED BY	S.O.H. R.M.
SCALE	Vert. 1" = 10' Hor. 1" = 10'	TRACER	G.L.
APPROVED	<i>C. J. J. J.</i>	APPROVED	<i>C. J. J. J.</i>
CHIEF ENGINEER		BUREAU ENGINEER	

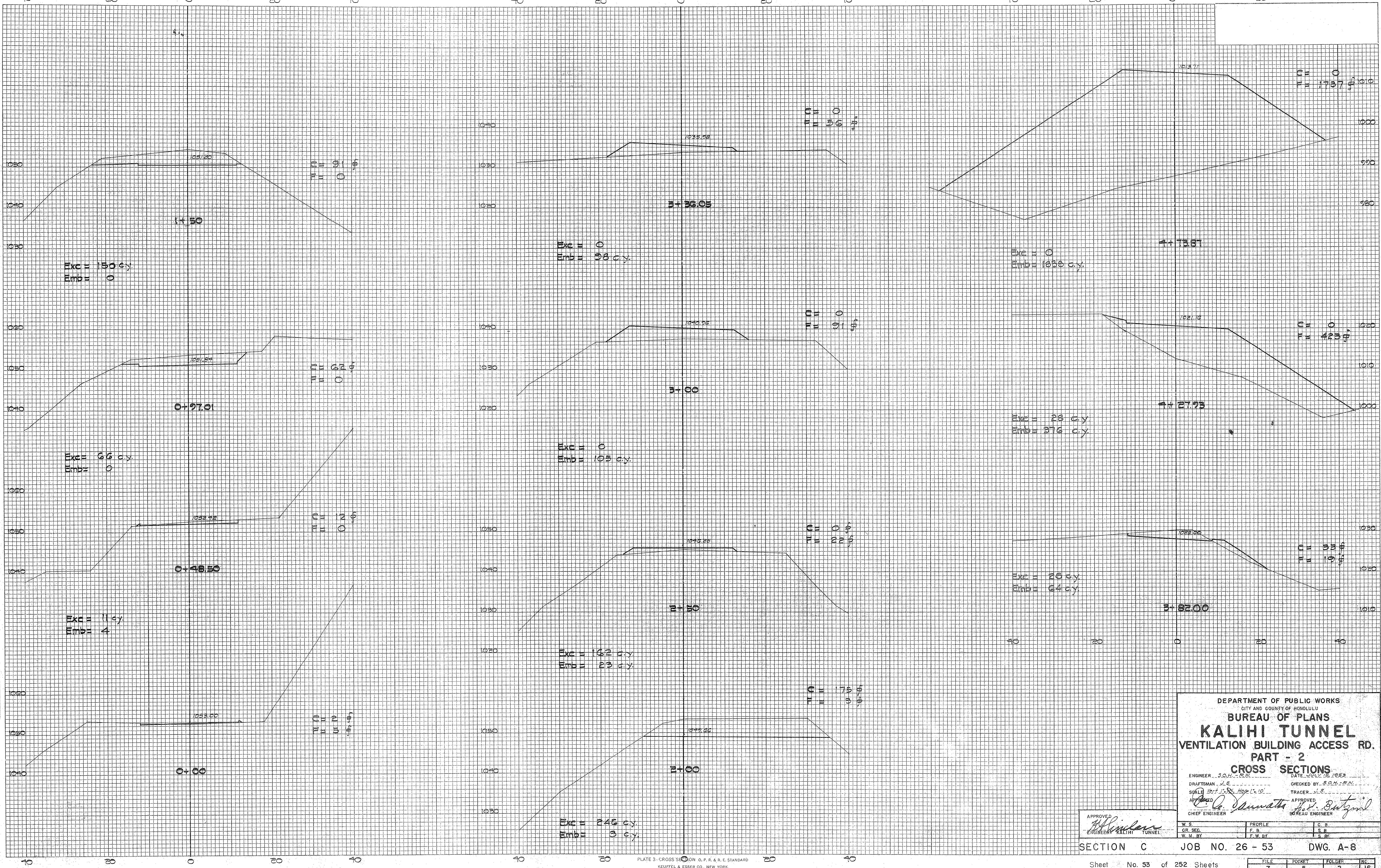
APPROVED
[Signature]
ENGINEER, KALIHI TUNNEL

SECTION C	JOB NO. 26-53	DWG. A-7
Sheet No. 52 of 252 Sheets	FILE 7	POCKET 5
	FOLDER 2	NO. 15

PLATE 3. CROSS SECTION O.P.R. & R.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

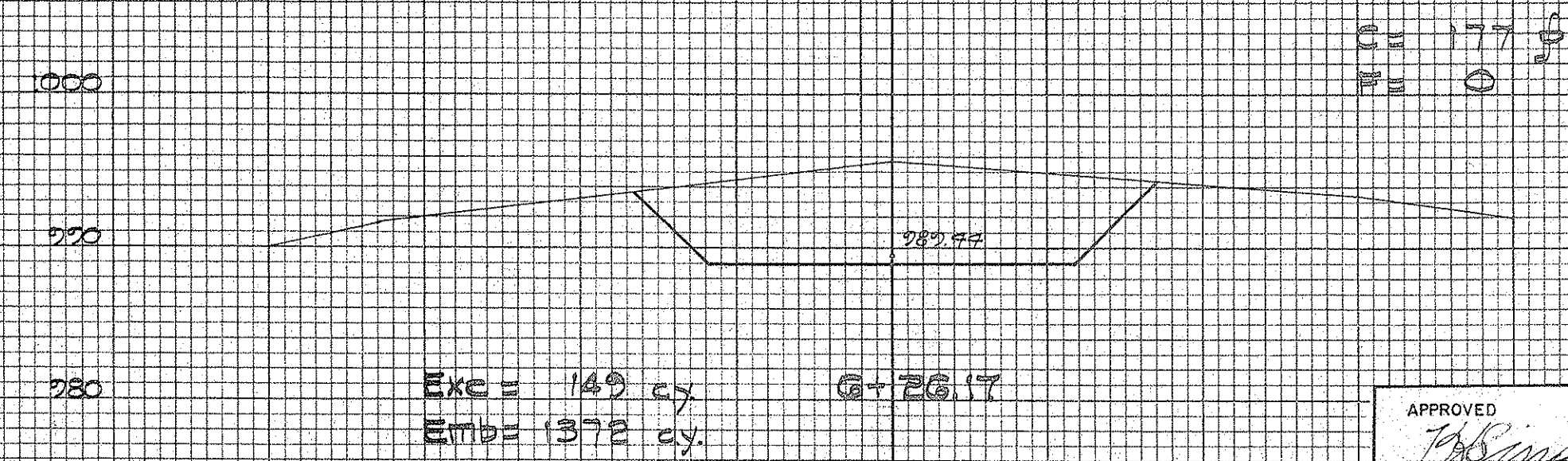
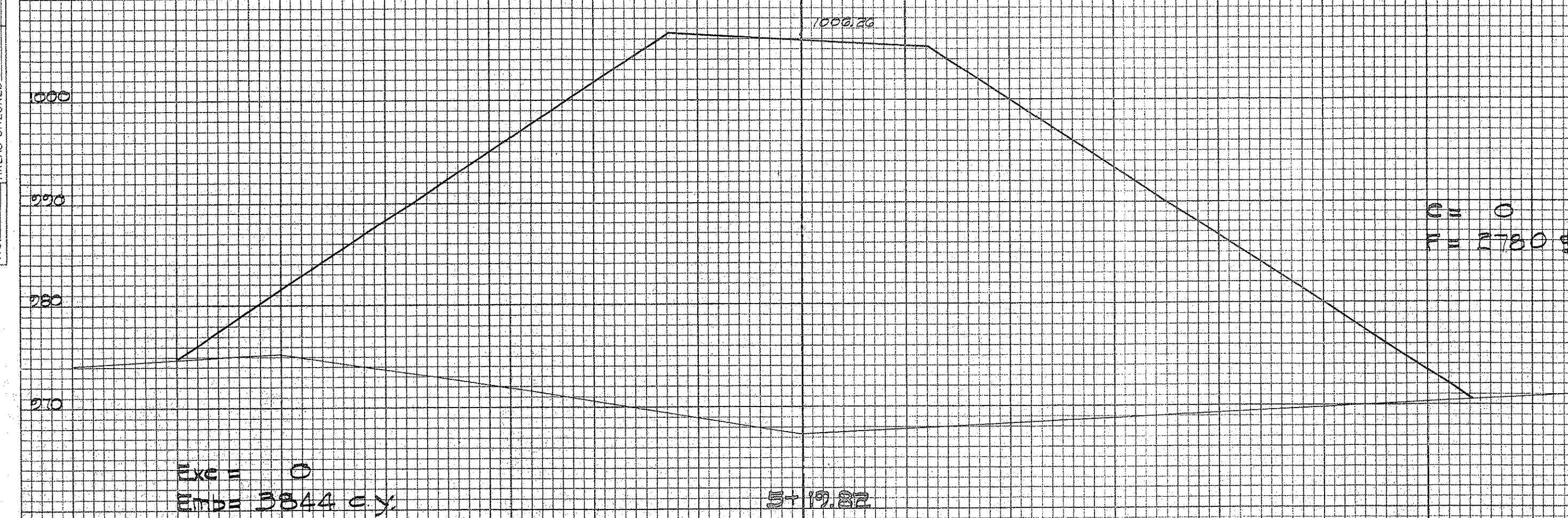
DATE	BY	NO.
FINAL SURVEY	SURVEYED	PLOTTED
NOTE BOOK	AREA	CHECKED

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



DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF HONOLULU			
BUREAU OF PLANS			
KALIHI TUNNEL			
VENTILATION BUILDING ACCESS RD.			
PART - 2			
CROSS SECTIONS			
ENGINEER S.O.H.-R.M.	DATE JUL 15, 1983	CHECKED BY S.O.H.-R.M.	
DRAFTSMAN J.S.		TRACER J.S.	
SCALE 1" = 10'		APPROVED	
C. O. Samuels CHIEF ENGINEER		J. V. Butz BUREAU ENGINEER	
W.S.	PROFILE	C.B.	
CR. SEC.	F.B.	S.B.	
W.M. BY	F.V. BY	S. BY	
SECTION C		JOB NO. 26 - 53	
		DWG. A-8	
FILE	POCKET	FOLDER	NO.
7	5	2	16

ORIGINAL SURVEY	N ^o _____	BY _____	DATE _____
NOTE BOOK	N ^o _____	BY _____	DATE _____
NO. _____	N ^o _____	BY _____	DATE _____
AREAS CHECKED	N ^o _____	BY _____	DATE _____



DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
BUREAU OF PLANS
KALIHI TUNNEL
VENTILATION BUILDING ACCESS RD.
PART - 2
CROSS SECTIONS

ENGINEER SOM RM DATE JULY 18 1958
DRAFTSMAN J.S. CHECKED BY SOM RM
SCALE Vert 1" = 10' Hor 1" = 10' TRACER J.S.
APPROVED _____ APPROVED _____
CHIEF ENGINEER R. L. Cannata BUREAU ENGINEER J. W. Burtz

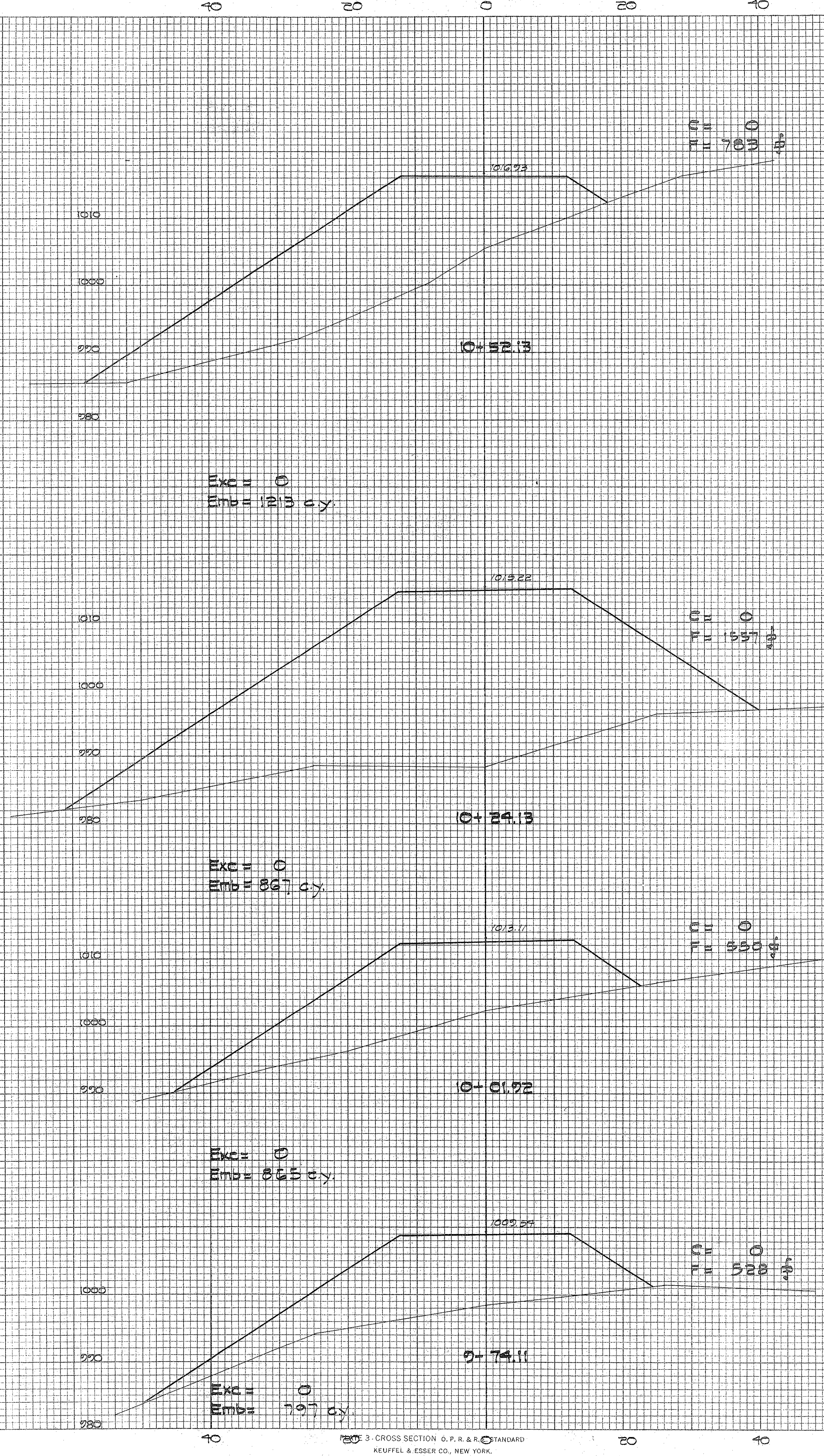
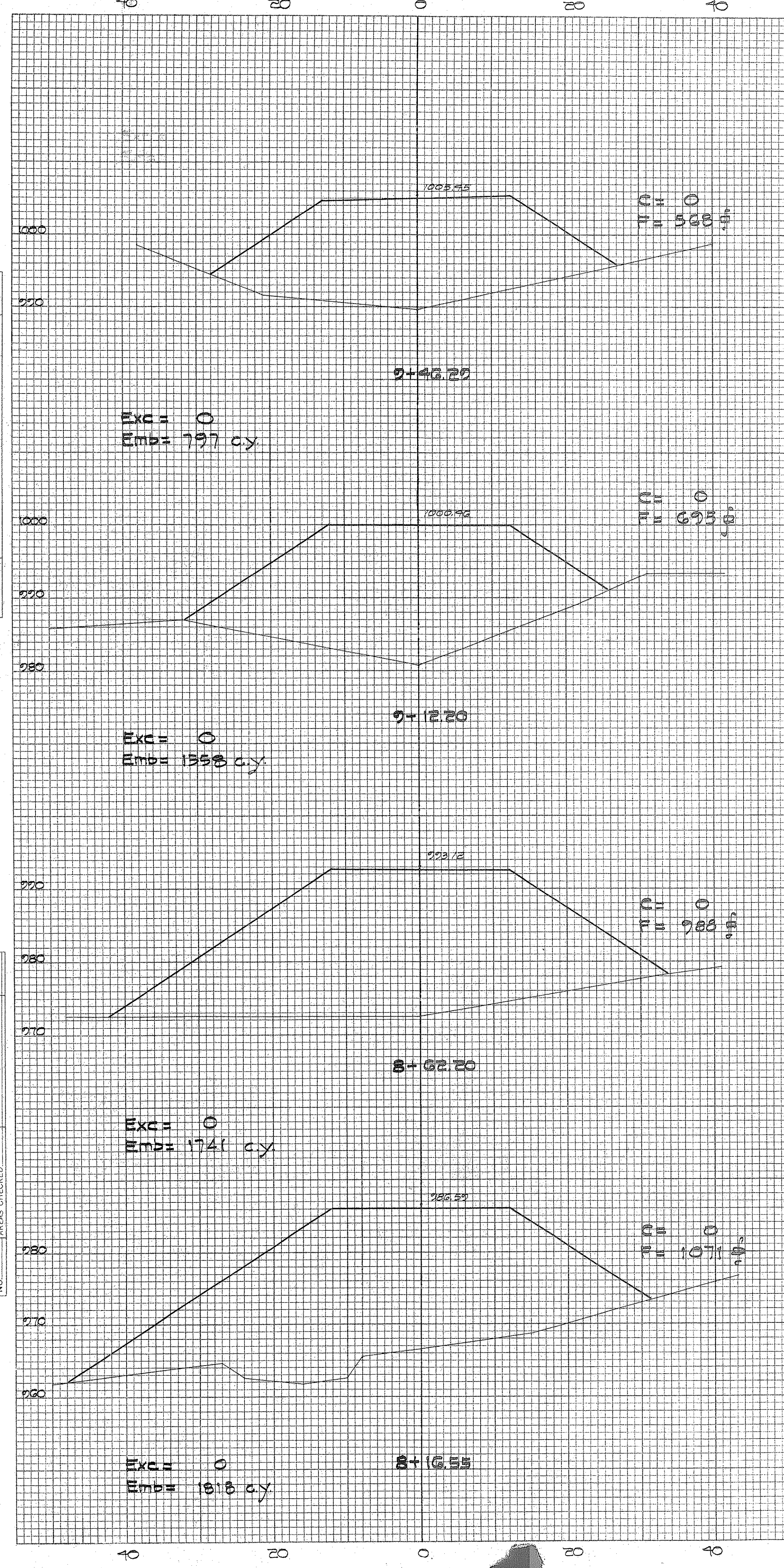
APPROVED
J. B. Sinder
ENGINEER, KALIHI TUNNEL

SECTION C JOB NO. 26 - 53 DWG. A-9

FILE	POCKET	FOLDER	NO.
7	5	2	17

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

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



3-CROSS SECTION O. P. R. & R. STANDARD
KEUFFEL & ESSER CO., NEW YORK.

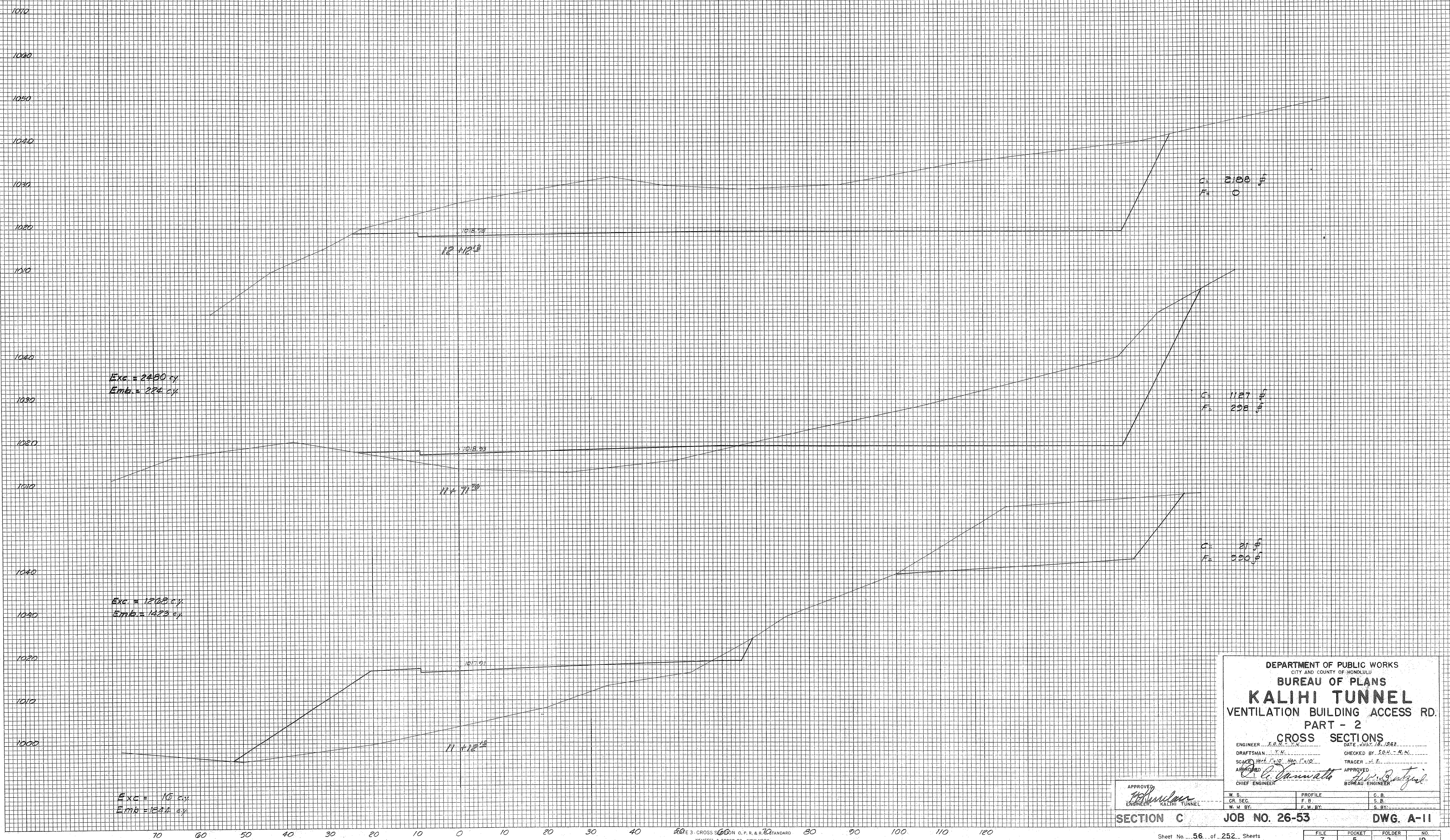
DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF HONOLULU			
BUREAU OF PLANS			
KALIHI TUNNEL			
VENTILATION BUILDING ACCESS RD.			
PART - 2			
CROSS SECTIONS			
ENGINEER	S. O. H.	DATE	JULY 15, 1953
DRAFTSMAN	Y. N.	CHECKED BY	S. O. H. & R. K.
SCALE	Vert. 1" = 10' Hor. 1" = 10'	TRACED BY	L. S.
APPROVED	<i>[Signature]</i>	APPROVED	<i>[Signature]</i>
CHIEF ENGINEER		BUREAU ENGINEER	

APPROVED
[Signature]
ENGINEER KALIHI TUNNEL

SECTION C	JOB NO. 26-53	DWG. A-10
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FINAL	SURVEYED	DATE
SURVEY	PLOTTED	
NOTE BOOK	TEMPLATE	
NO.	AREAS CHECKED	

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



DEPARTMENT OF PUBLIC WORKS
CITY AND COUNTY OF HONOLULU
BUREAU OF PLANS
KALIHI TUNNEL
VENTILATION BUILDING ACCESS RD.
PART - 2
CROSS SECTIONS

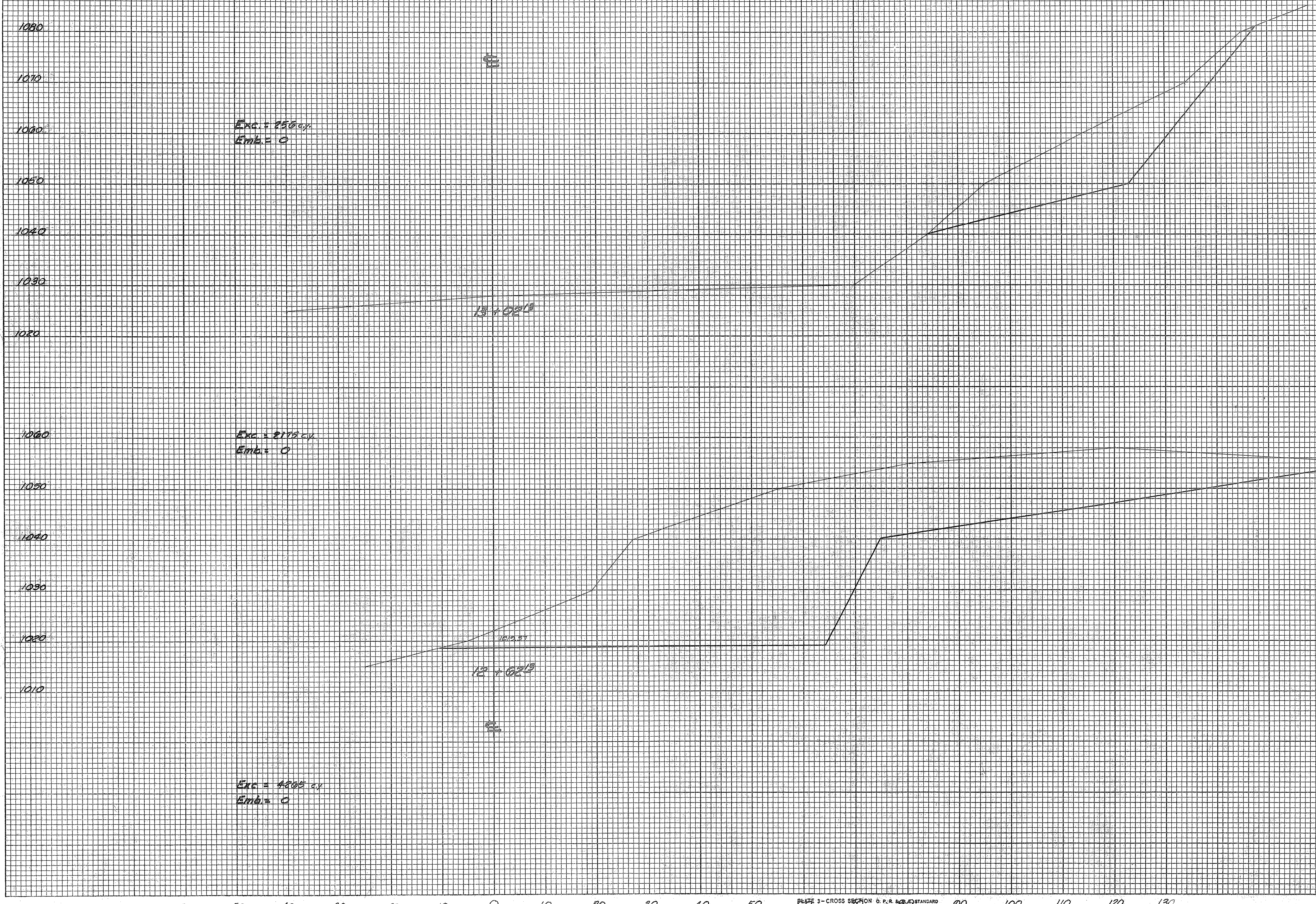
ENGINEER: S. C. M. DATE: JULY 18, 1962
DRAFTSMAN: Y. N. CHECKED BY: S. C. M.
SCALE: Vert. 1"=10' Hor. 1"=100'
APPROVED: *[Signature]* TRACER: S. C. M.
CHIEF ENGINEER: *[Signature]* BUREAU ENGINEER: *[Signature]*

APPROVED	PROFILE	C. B.
<i>[Signature]</i>	F. B.	S. B.
ENGINEER, KALIHI TUNNEL	W. M. BY:	S. BY:

SECTION C JOB NO. 26-53 DWG. A-11

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

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



EARTHWORK SUMMARY	
Exc.	11,413 C.Y.
EMB.	28,181 C.Y.
+15%	4,221 C.Y.
TOTAL EMB.	32,402 C.Y.

C = 5'2" #
F = 0

C = 2'42" #
F = 0

DEPARTMENT OF PUBLIC WORKS CITY AND COUNTY OF HONOLULU BUREAU OF PLANS	
KALIHI TUNNEL VENTILATION BUILDING ACCESS RD. PART - 2 CROSS SECTIONS	
ENGINEER S.O.H. G.V.	DATE JULY 15, 1933
DRAFTSMAN G.V.	CHECKED BY S.O.H. G.V.
SCALE Vert. 1"=10' Hor. 1"=10'	TRACER G.V.
APPROVED S.O.H. G.V. CHIEF ENGINEER	APPROVED J.W. Butz BUREAU ENGINEER

APPROVED
ENGINEER KALIHI TUNNEL

W. S. CR. SEC. W. M. BY.	PROFILE F. B. F. W. BY.	C. D. S. B. S. BY.
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SECTION C JOB NO. 26-53 DWG. A-12