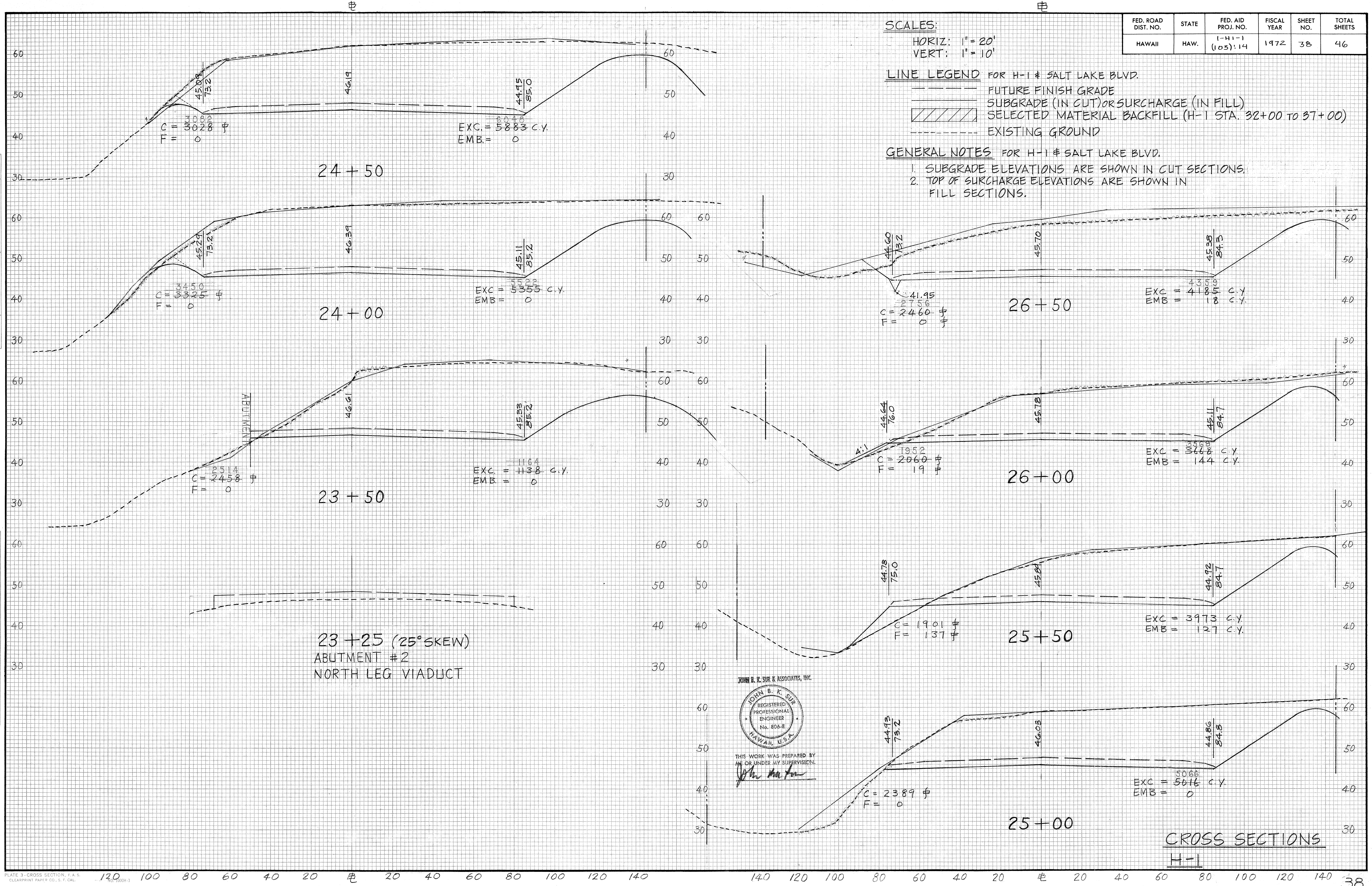


DATE	BY	SURVEYED	PLANNED	NOTED	AREAS	CHECKED
FINAL SURVEY						
NOTE BOOK						
NO.						

DATE	BY	SURVEYED	PLANNED	NOTED	AREAS	CHECKED
ORIGINAL SURVEY						
NOTE BOOK						
NO.						



JOHN B. K. SUP
 REGISTERED
 PROFESSIONAL
 ENGINEER
 No. 806-E
 HAWAII, U.S.A.

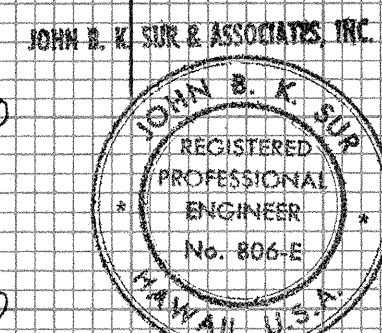
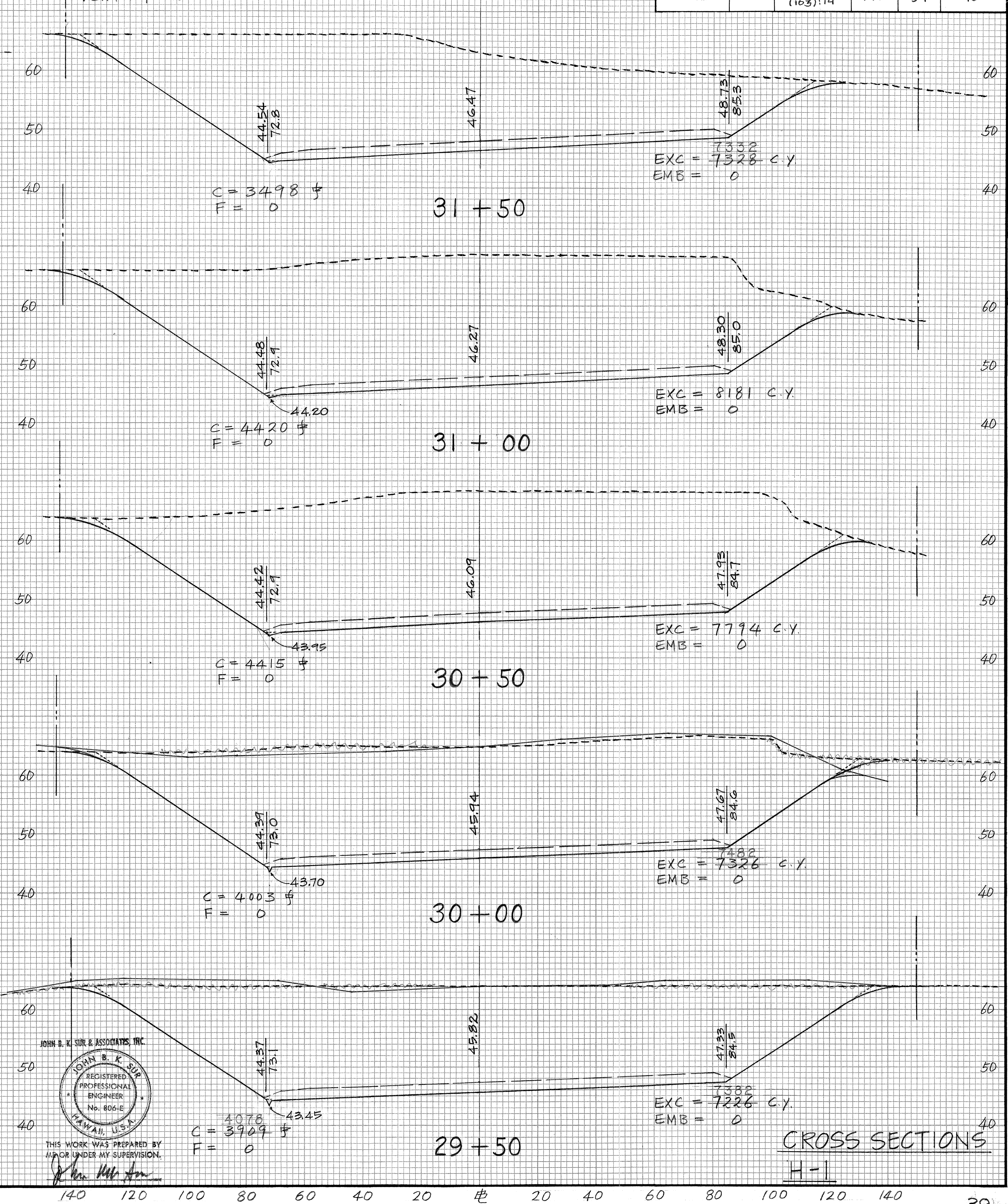
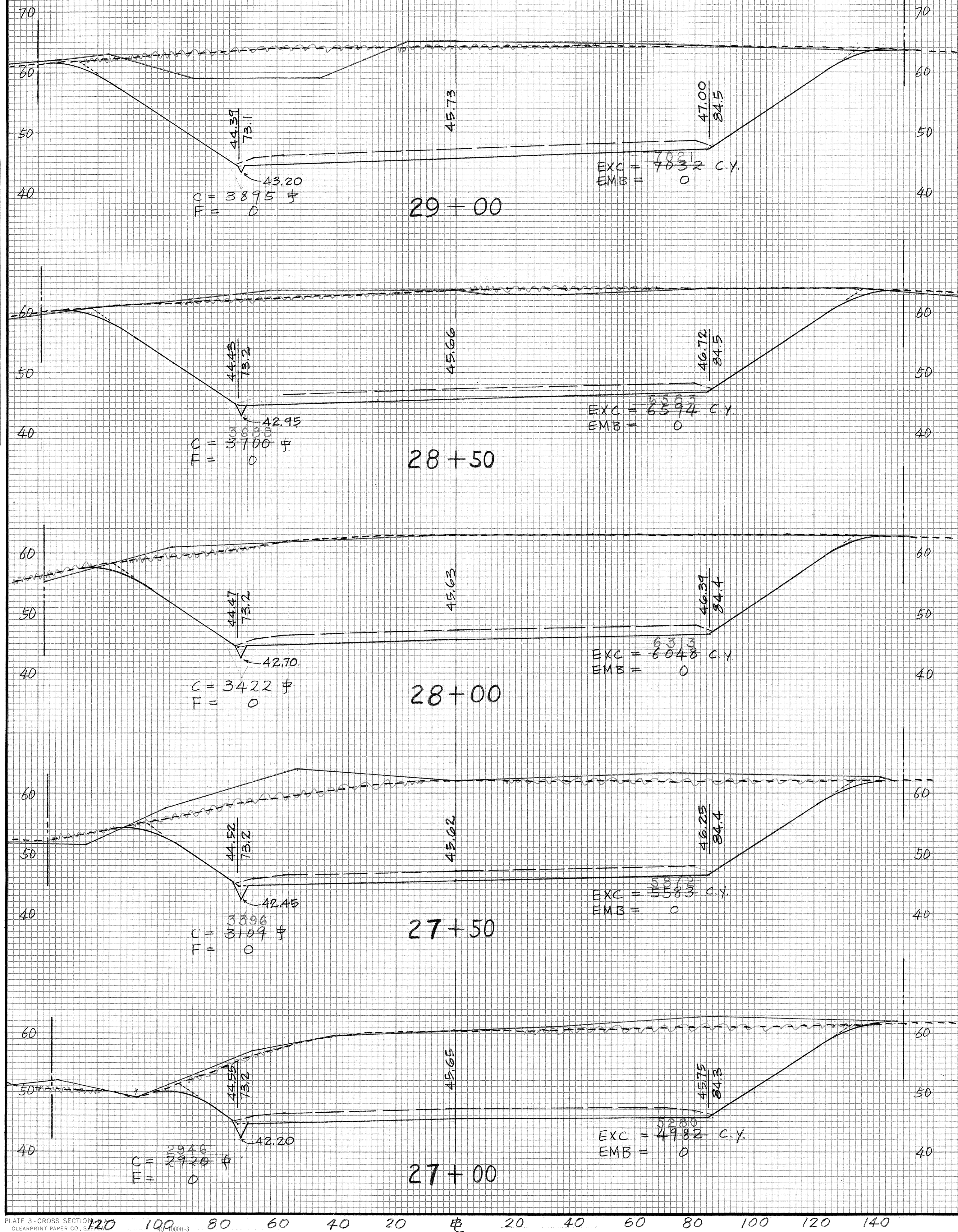
THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION.

John B. K. Sup

NOTE: SEE SHT 38 FOR LINE LEGEND & GENERAL NOTES.

SCALES: HORIZ: 1"=20'
VERT: 1"=10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1 (103):14	1972	39	46

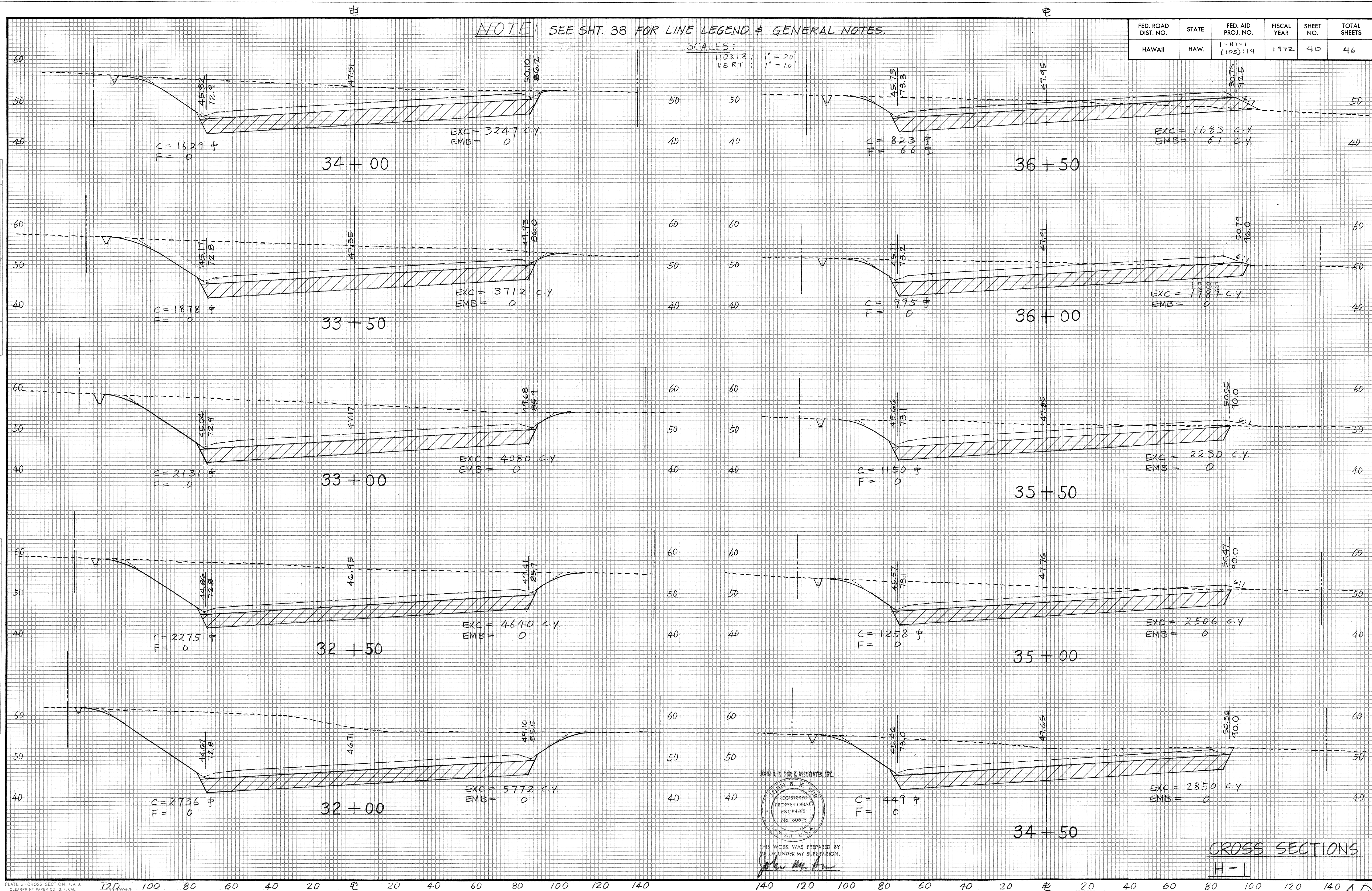


THIS WORK WAS PREPARED BY
MAJOR UNDER MY SUPERVISION.

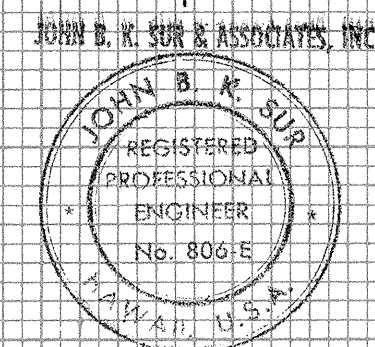
CROSS SECTIONS
H-1

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

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



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-1-1 (103):14	1972	40	46

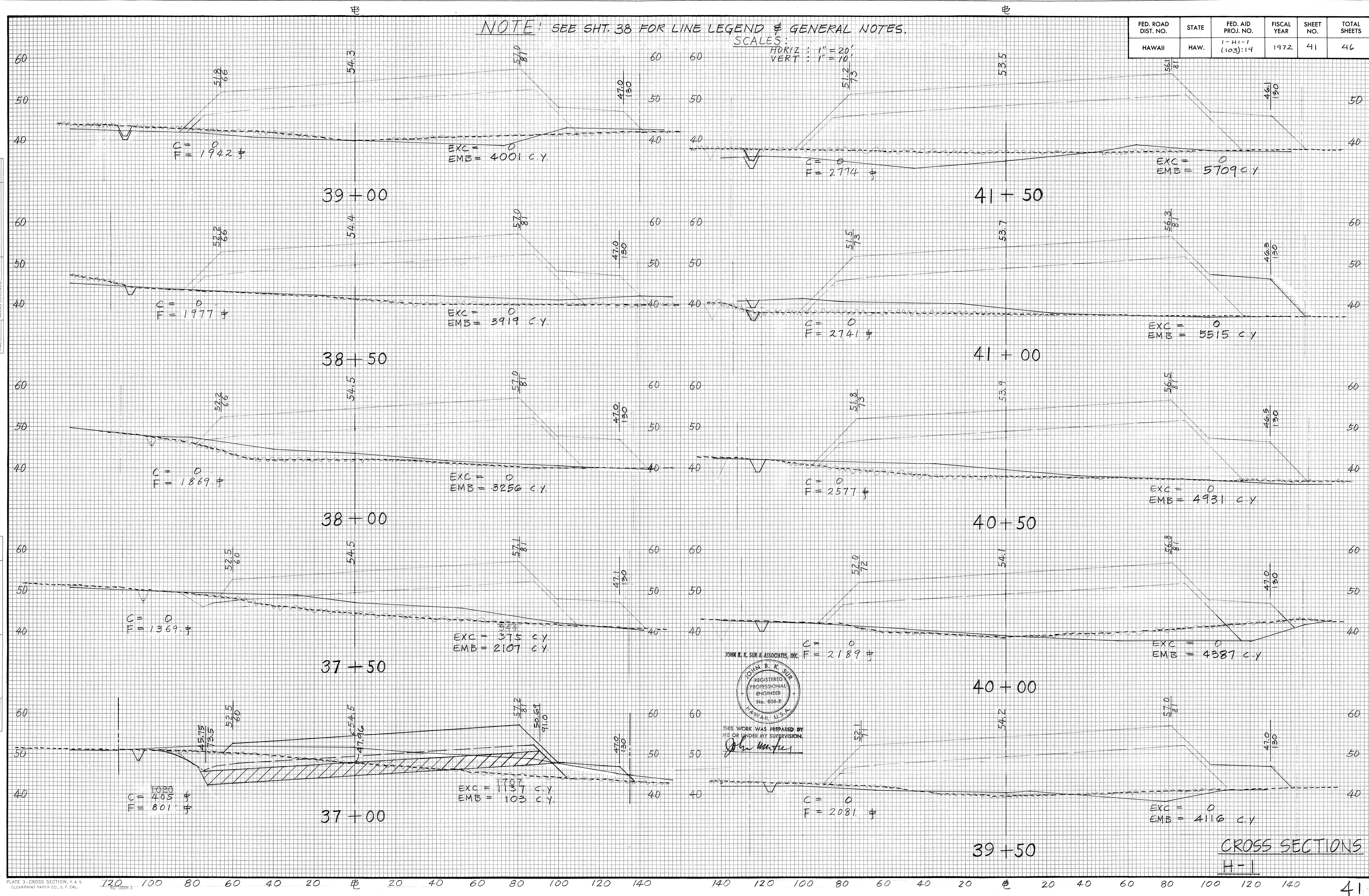


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
John B. R. Sur

CROSS SECTIONS
H-1

FINAL
SURVEY
NOTE BOOK
NO.

ORIGINAL
SURVEY
NOTE BOOK
NO.



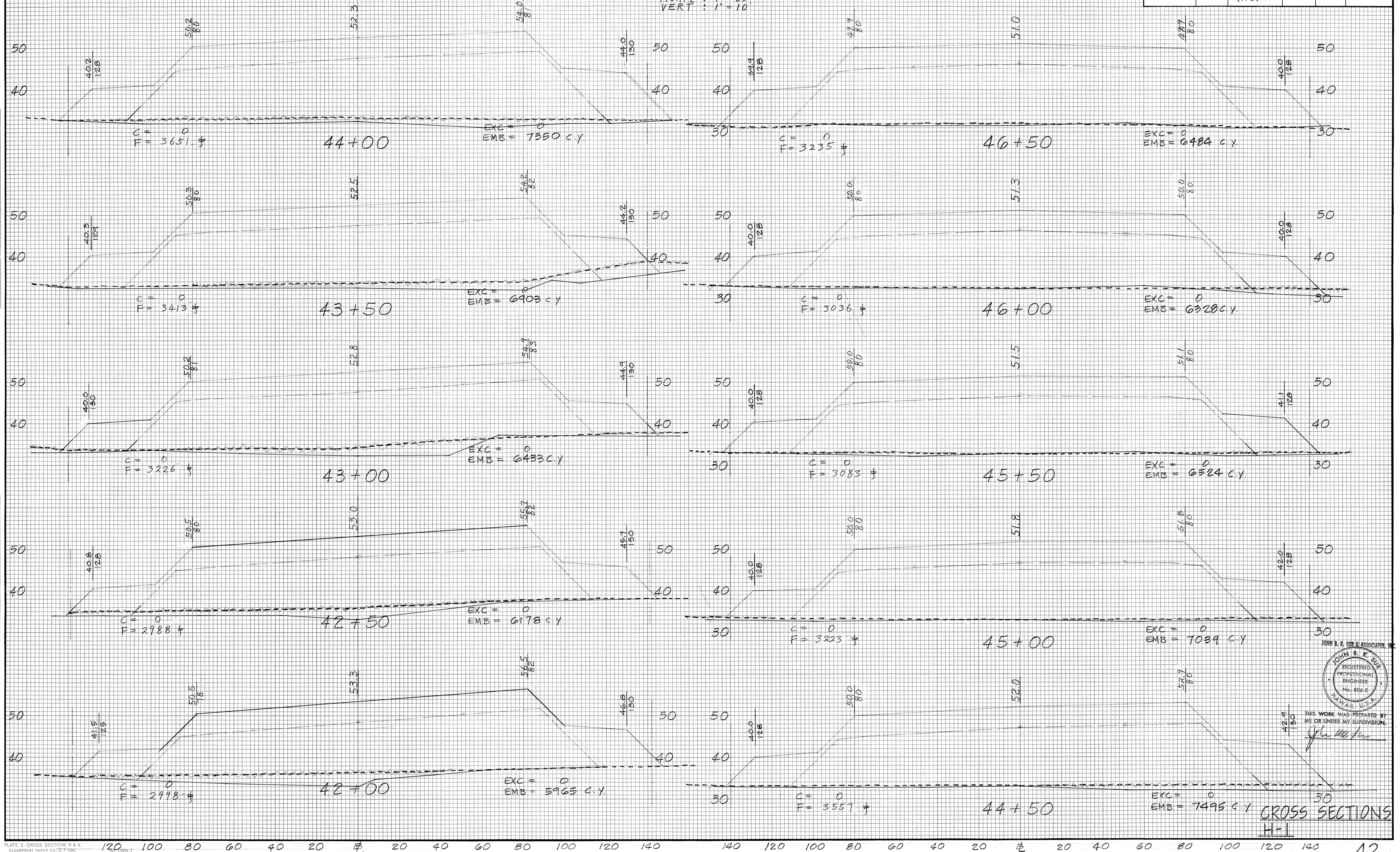
DATE	BY
SURVEYED	
DRAWN	
CHECKED	
NO.	

DATE	BY
SURVEYED	
DRAWN	
CHECKED	
NO.	

NOTE: SEE SHT. 38 FOR LINE LEGEND & GENERAL NOTES.

SCALES:
HORIZ : 1" = 20'
VERT : 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H-1-1 (105):14	1972	42	46



SCALES:
HORIZ : 1" = 20'
VERT : 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1 (103):14	1972	43	46

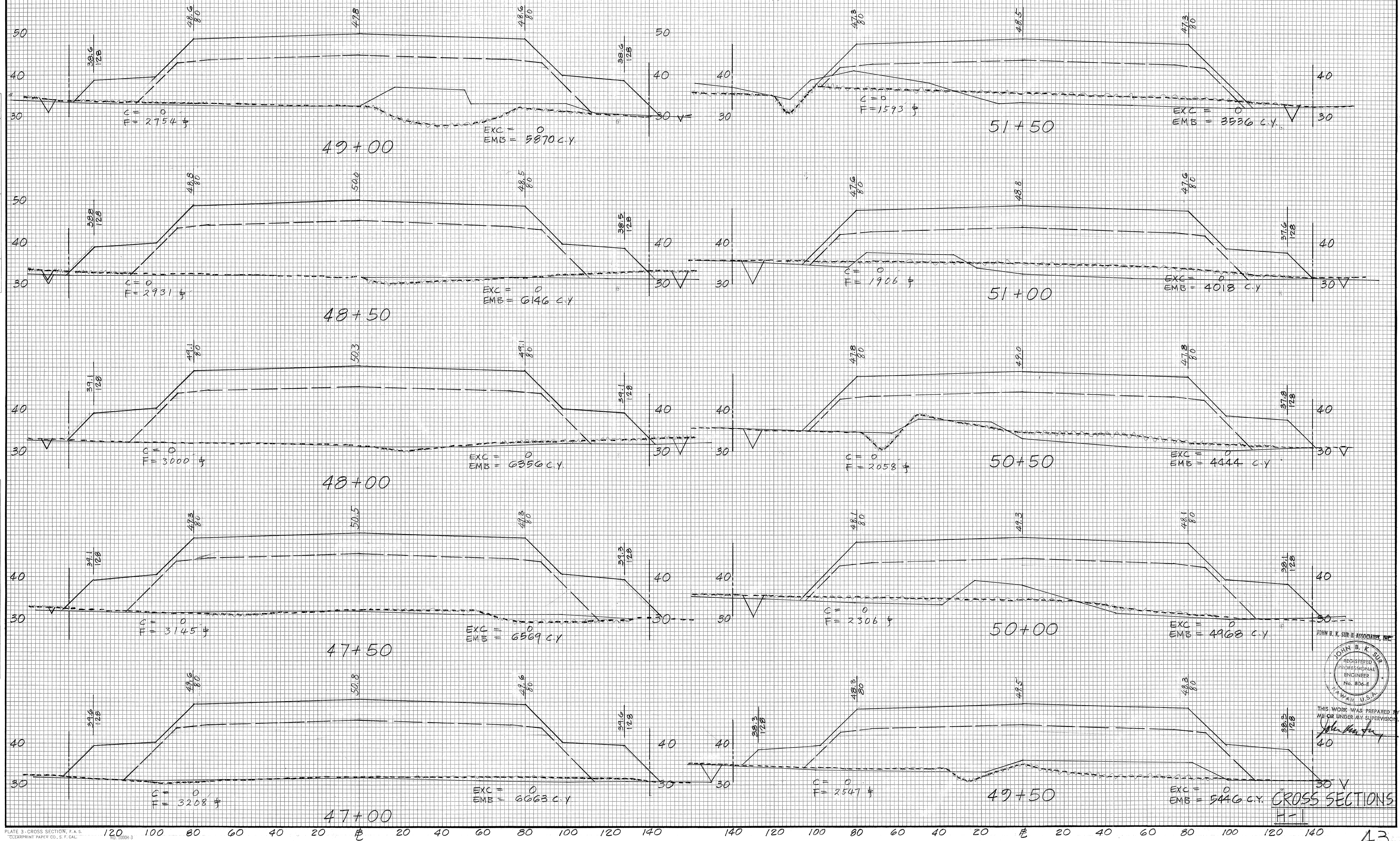
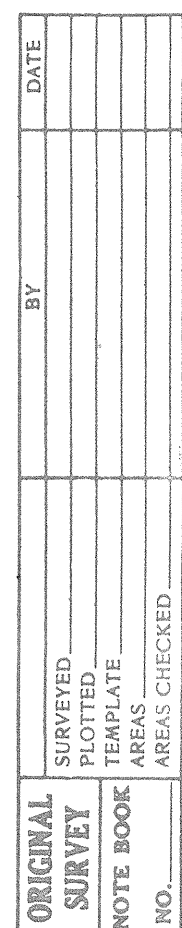
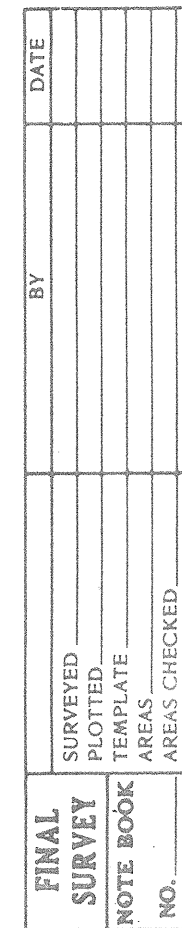


PLATE 3 - CROSS SECTION, F. A. S.
CLEARPRINT PAPER CO., S. F. CAL.

A circular professional engineer seal for John B. K. Sur, No. 806-E, Hawaii, U.S.A. The seal is stamped in black ink on a grid background. The text "JOHN B. K. SUR" is curved along the top inner edge, "REGISTERED PROFESSIONAL ENGINEER" is in the center, "No. 806-E" is below the center, and "HAWAII, U.S.A." is curved along the bottom inner edge. A small star is on the right side of the seal.

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

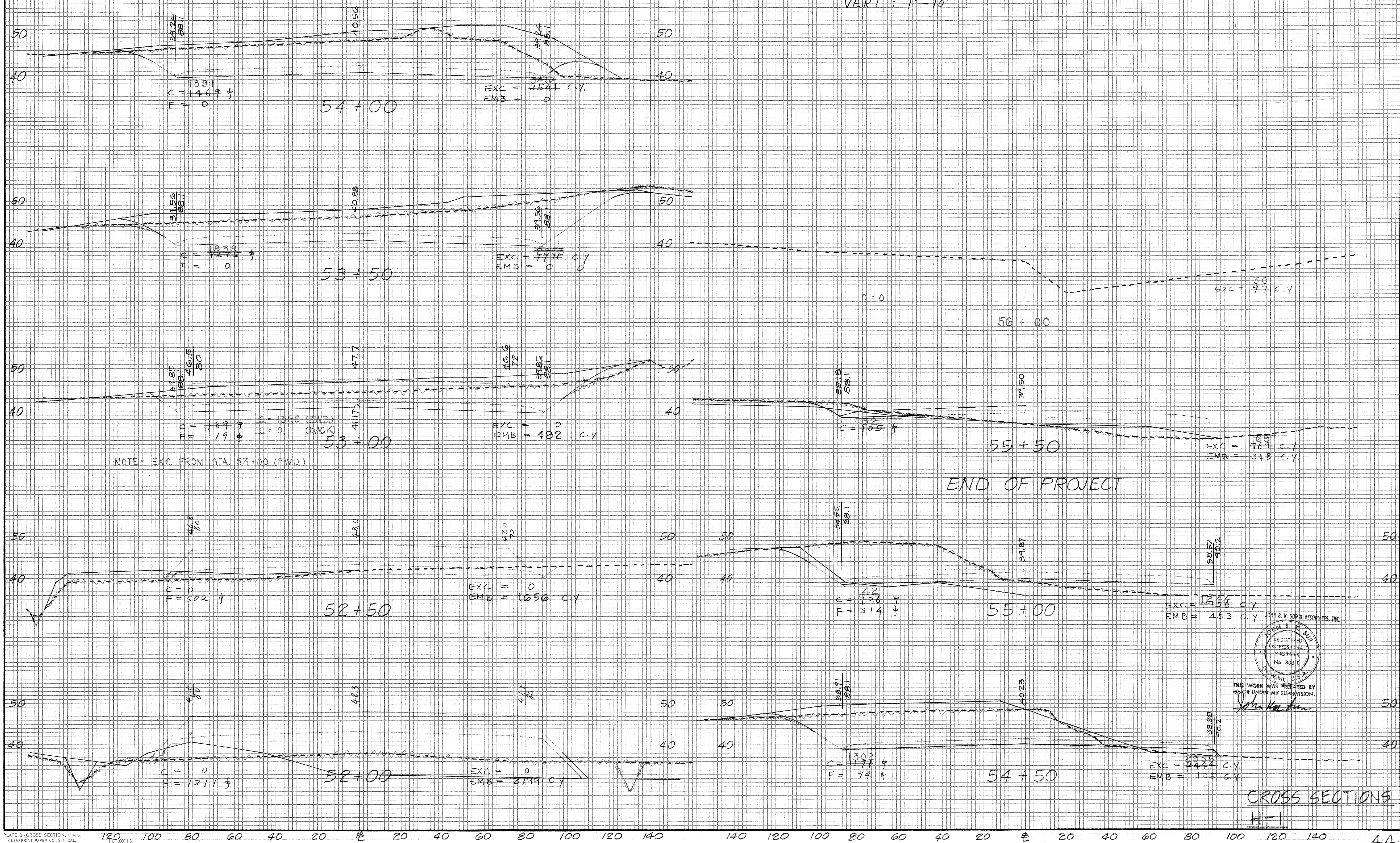
43

NOTE: SEE SHT. 38 FOR LINE LEGEND & GENERAL NOTES.

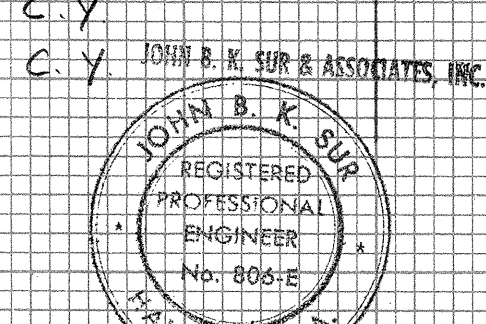
SCALES:

HORIZ: 1" = 20'
VERT: 1" = 10'

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1 (103):14	1972	44	46



CROSS SECTIONS
H-1



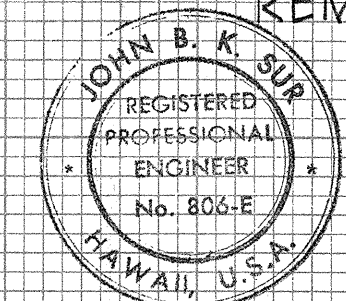
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
John B. K. Sur

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1-H1-1 (103):14	1972	46	46

SCALES:
HORIZ: 1" = 20'
VERT: 1" = 10'

LINE LEGEND FOR MAKALAPA ACCESS ROAD ONLY
 —S—S— FINISH GRADE OR SUBGRADE.
 --- SURCHARGE OR BERM.
 - - - EXISTING GROUND.
 P GUARD RAIL.

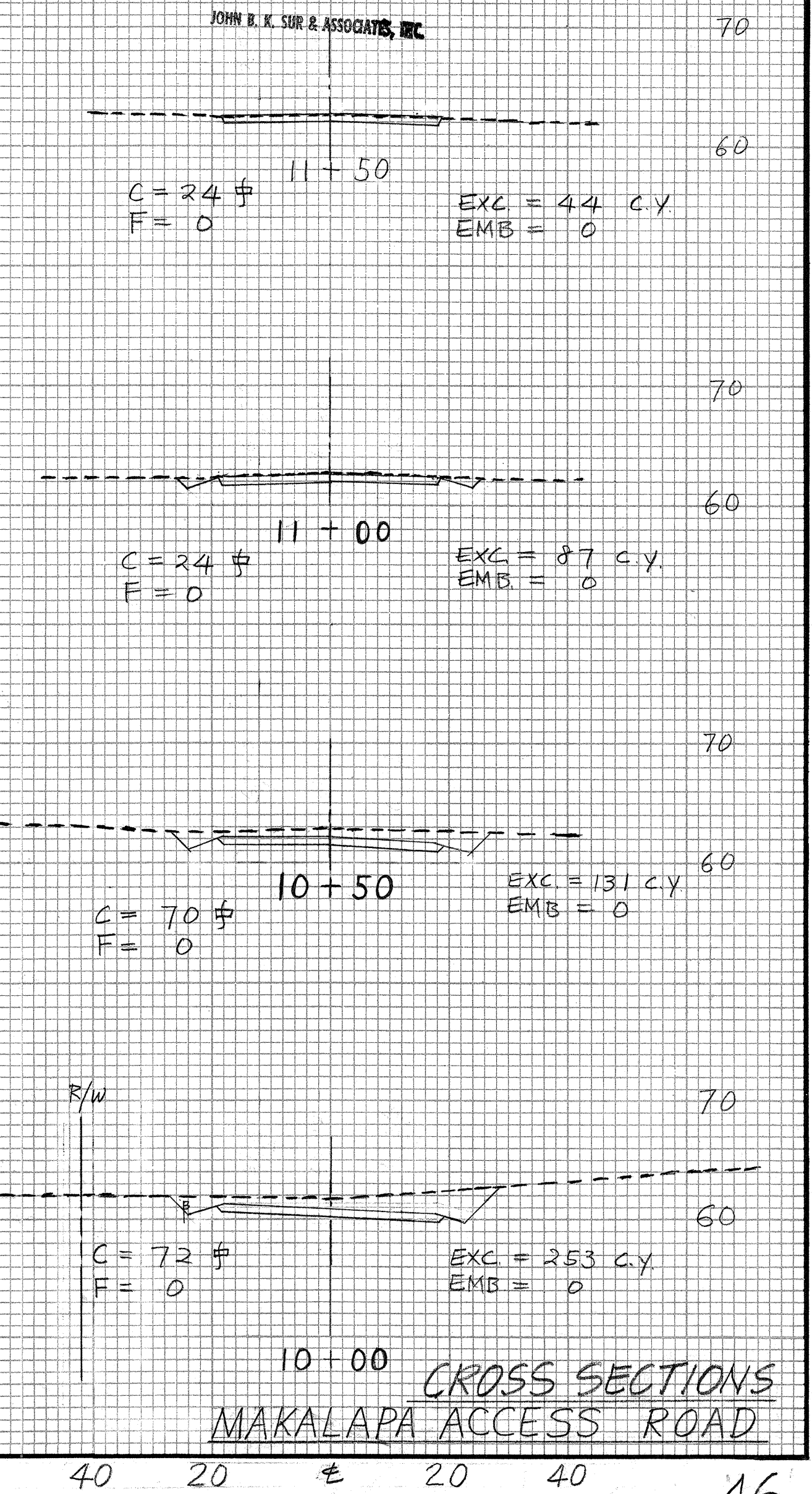
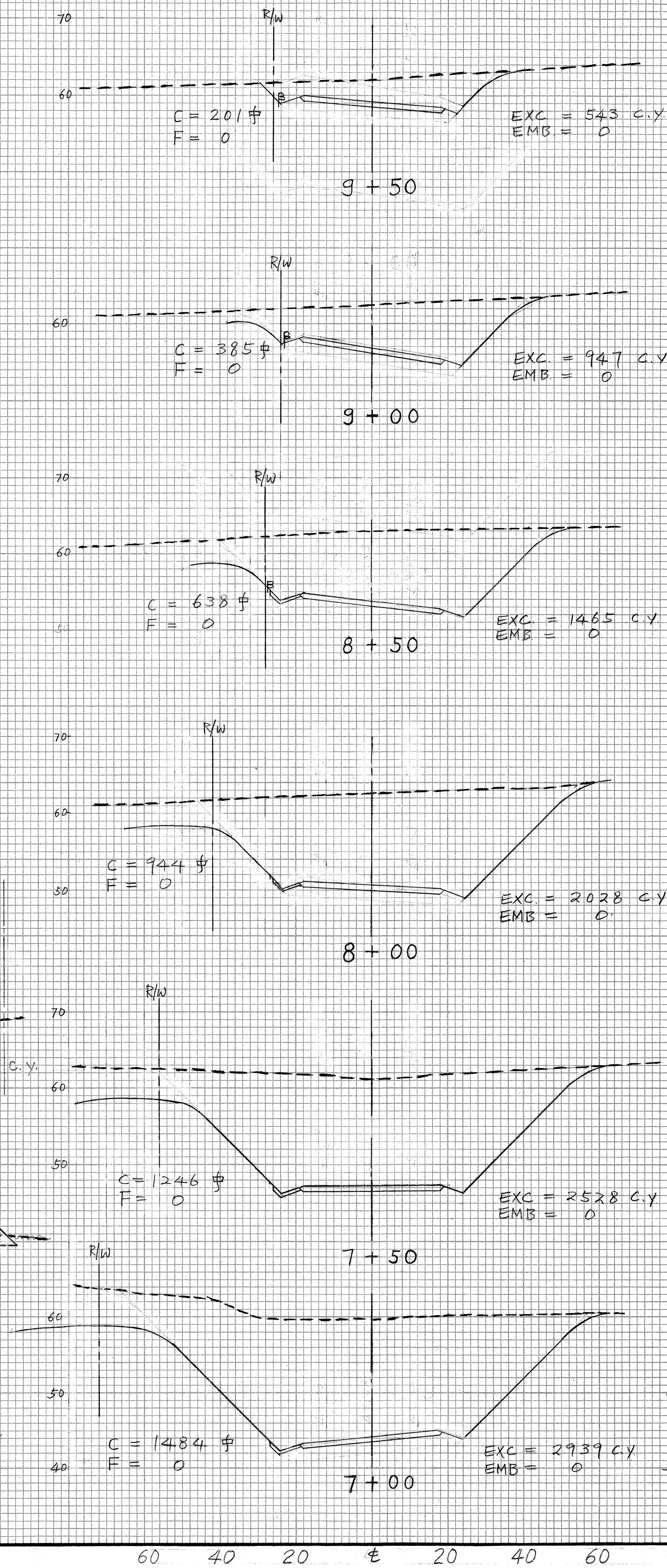
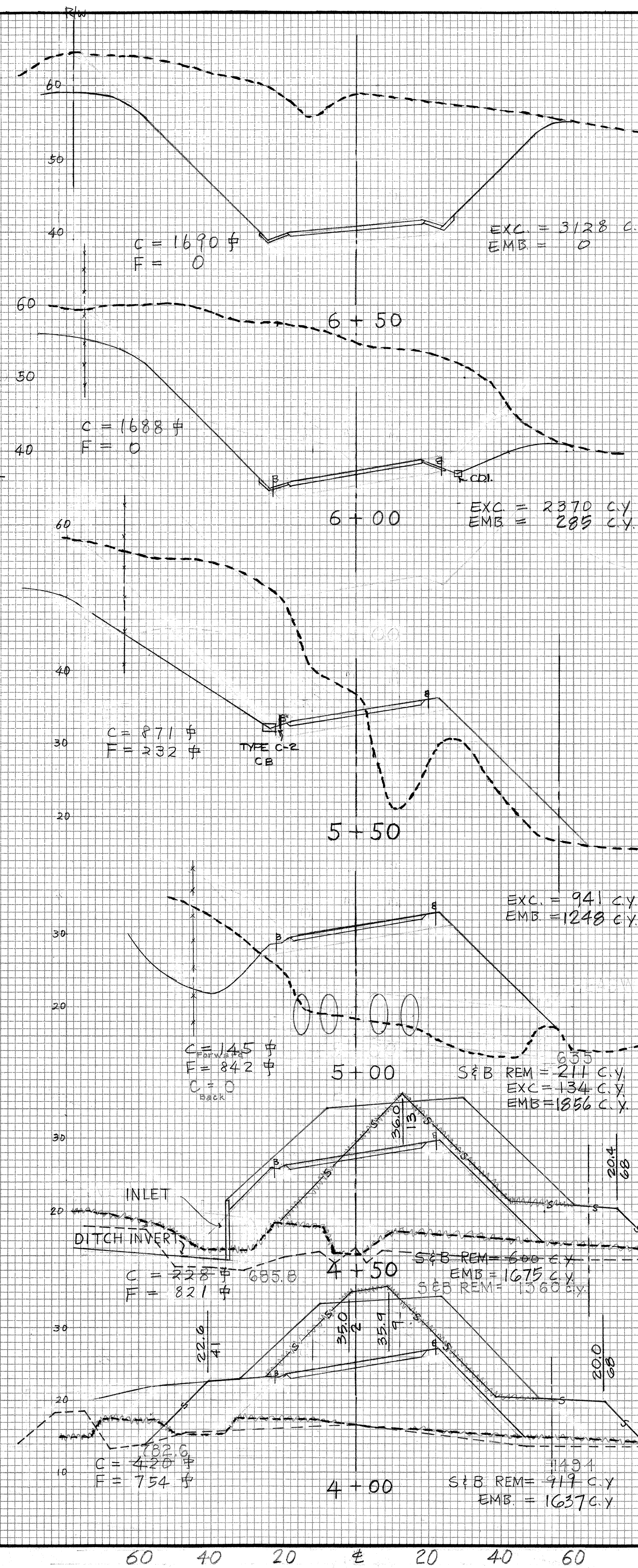
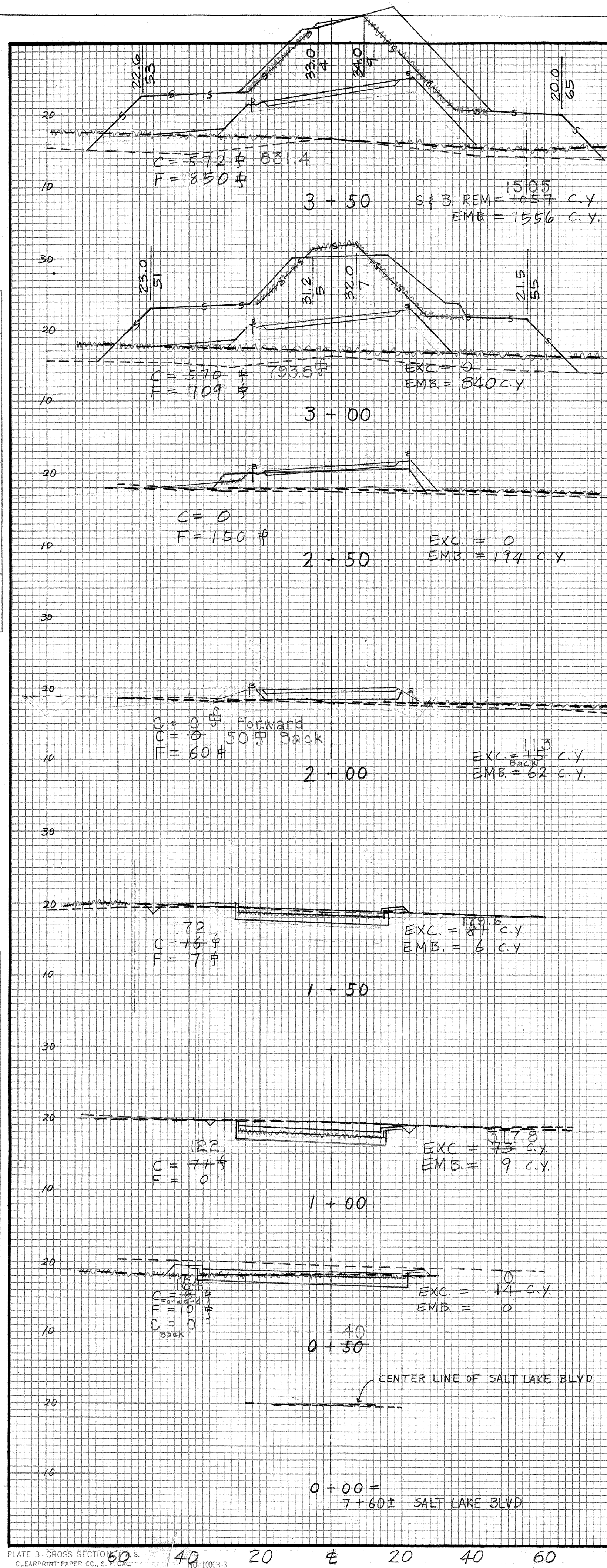
GENERAL NOTES FOR MAKALAPA ACCESS ROAD ONLY
 1. ELEVATIONS SHOWN ARE FOR TOP OF SURCHARGE.
 2. SEE SHT. 5 FOR FINISH GRADES.
 3. S & B REM. = SURCHARGE & BERM REMOVAL.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

John B. K. Sur

JOHN B. K. SUR & ASSOCIATES, INC.



CROSS SECTIONS
MAKALAPA ACCESS ROAD