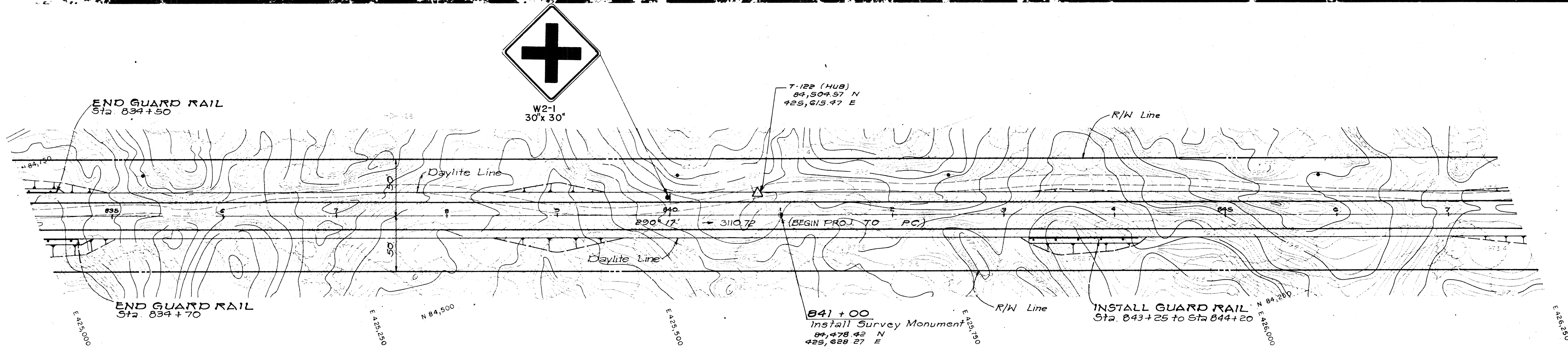
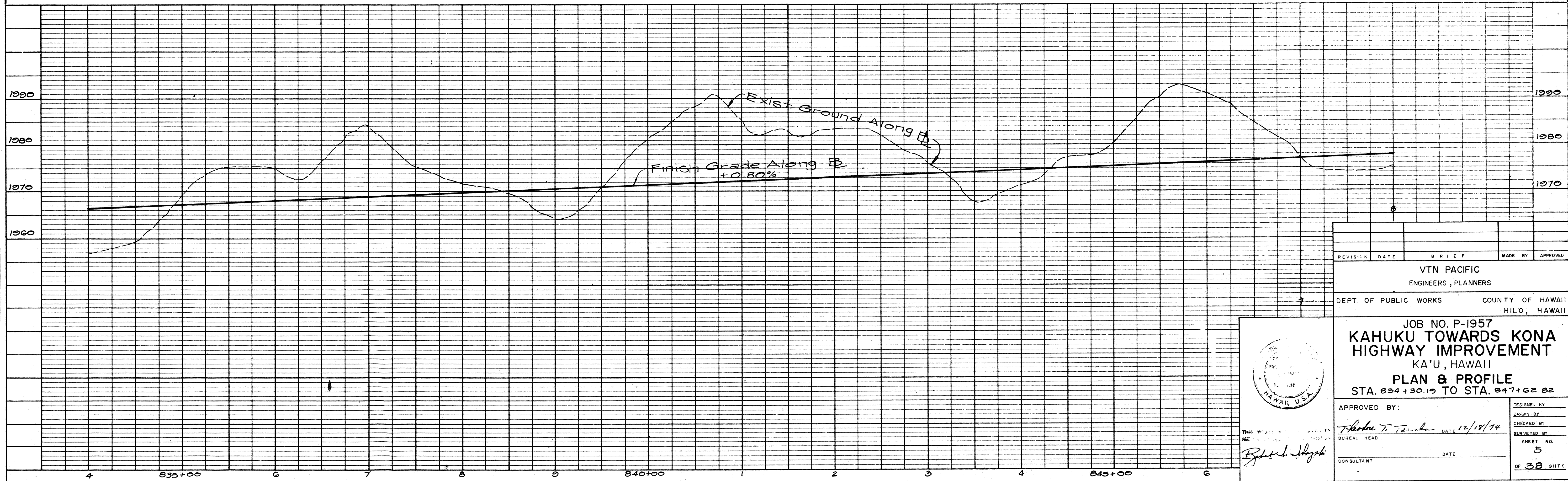


PLAN	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	
NOTE BOOK	GRADES CHECKED	
	STRUCTURE NOTATION CHKD.	
	NO.	



PLAN
Scale: 1" = 50'

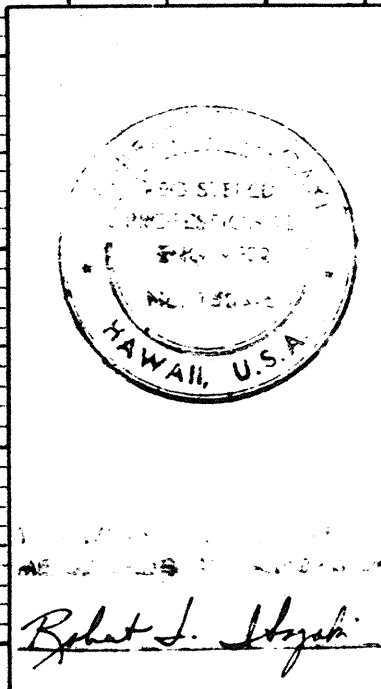
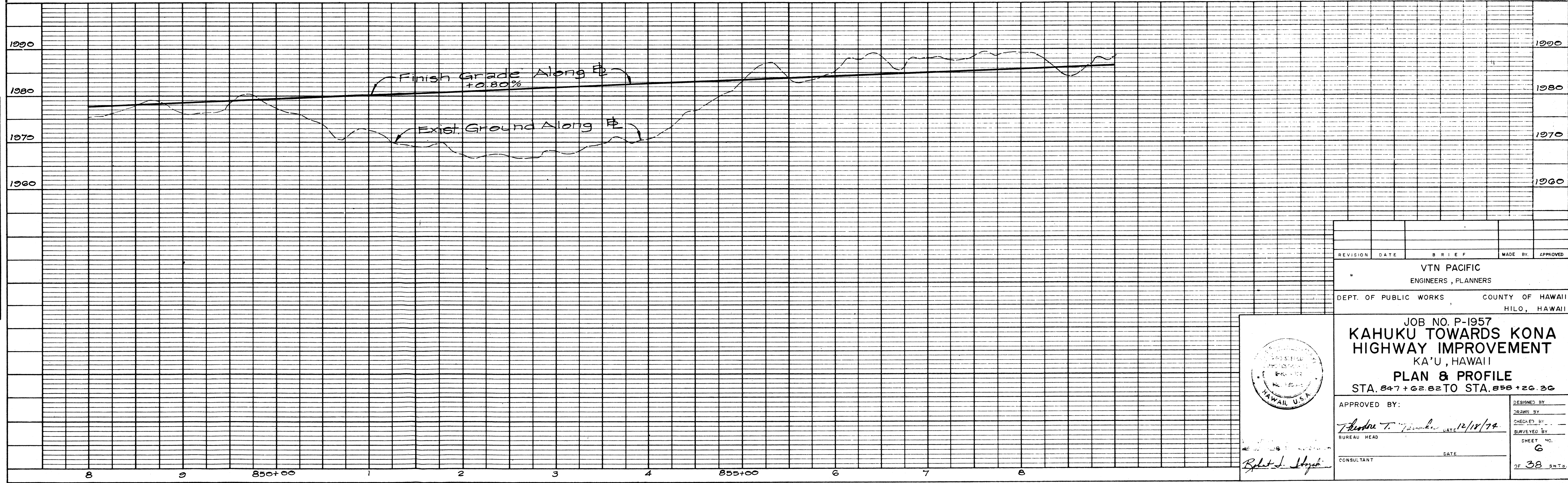
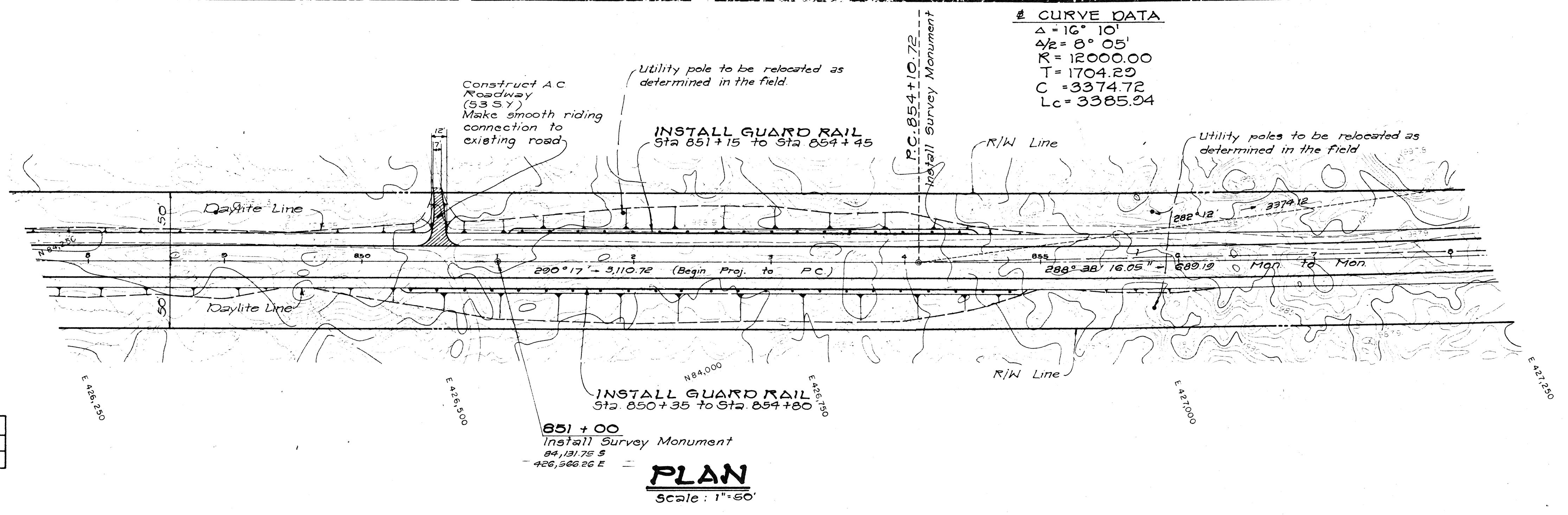


REVISION	DATE	BRIEF	MADE BY	APPROVED
VTN PACIFIC ENGINEERS, PLANNERS				
DEPT. OF PUBLIC WORKS COUNTY OF HAWAII HILO, HAWAII				
JOB NO. P-1957 KAHUKU TOWARDS KONA HIGHWAY IMPROVEMENT KA'U, HAWAII PLAN & PROFILE STA. 834+30.12 TO STA. 847+22.82				
APPROVED BY:				
BUREAU HEAD		DATE 12/18/74		
CONSULTANT		DATE		
DESIGNED BY		DRAWN BY		
CHECKED BY		SURVEYED BY		
SHEET NO.		5		
OF 38 SHTS.				

PLAN	NO.	NOTE BOOK	SURVEYED	BY	DATE

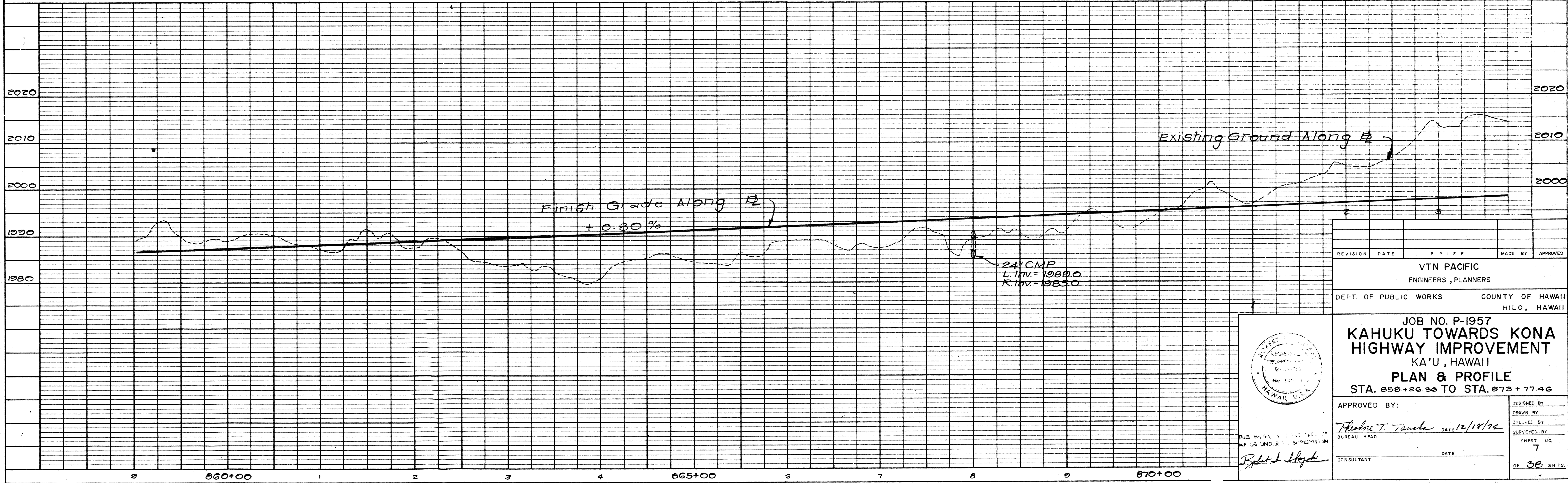
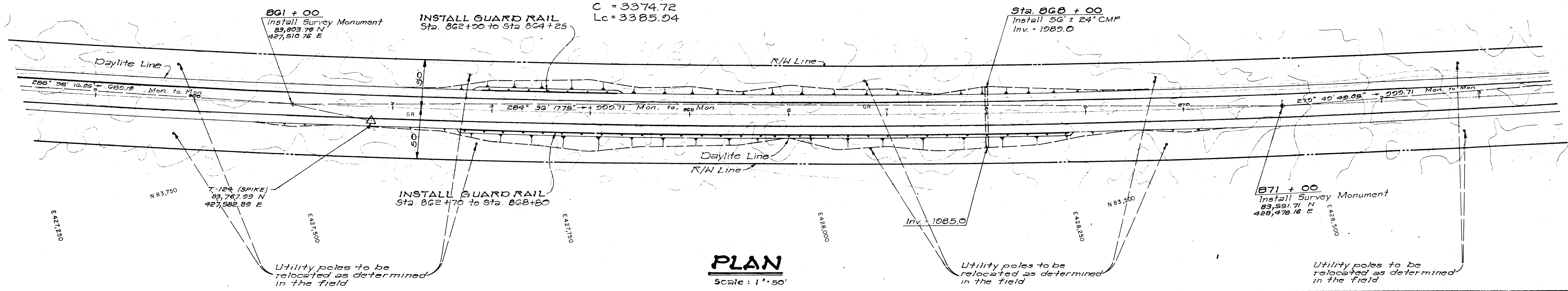
PROFILE	NO.	NOTE BOOK	SURVEYED	BY	DATE

STATIONS	COORDINATES
PC 854+10.72	84,024.04 N 426,857.71 E



REVISION	DATE	BRIEF	MADE BY	APPROVED
VTN PACIFIC ENGINEERS, PLANNERS				
DEPT. OF PUBLIC WORKS COUNTY OF HAWAII HILO, HAWAII				
JOB NO. P-1957 KAHUKU TOWARDS KONA HIGHWAY IMPROVEMENT KA'U, HAWAII				
PLAN & PROFILE STA. 847+62.82 TO STA. 898+26.36				
APPROVED BY:		DESIGNED BY		
BUREAU HEAD		DRAWN BY		
CONSULTANT		CHECKED BY		
		SURVEYED BY		
		SHEET NO. 6		
		OF 38 SHEETS		

§ CURVE DATA
 $\Delta = 16^\circ 10'$
 $\Delta/2 = 8^\circ 05'$
 $R = 12000.00$
 $T = 1704.29$
 $C = 3374.72$
 $Lc = 3385.94$



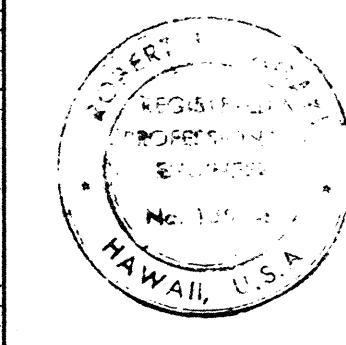
REVISION	DATE	BRIEF	MADE BY	APPROVED

VTN PACIFIC
 ENGINEERS, PLANNERS

DEPT. OF PUBLIC WORKS COUNTY OF HAWAII
 HILO, HAWAII

JOB NO. P-1957
**KAHUKU TOWARDS KONA
 HIGHWAY IMPROVEMENT**
 KA'U, HAWAII
PLAN & PROFILE
 STA. 858+26.36 TO STA. 873+77.46

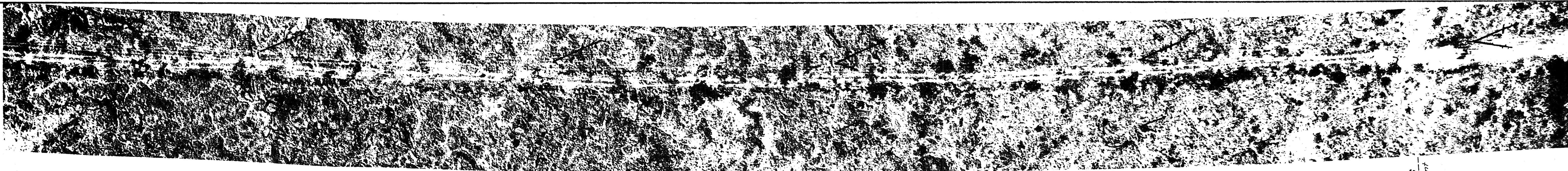
APPROVED BY:	DESIGNED BY:
<i>Therese T. Taniuchi</i> DATE 12/18/72	DRAWN BY:
BUREAU HEAD	CHECKED BY:
CONSULTANT	SURVEYED BY:
	SHEET NO. 7
	OF 36 SHTS.



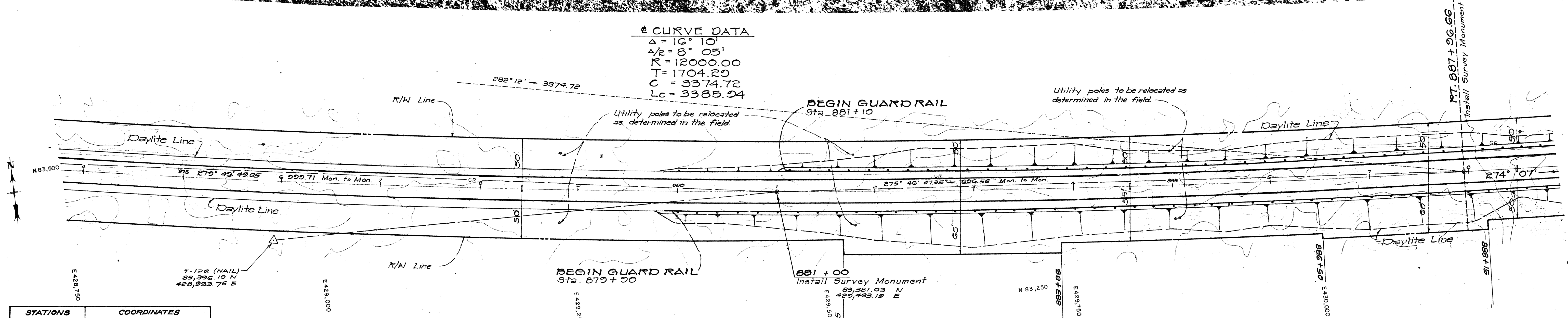
THIS WORK WAS PREPARED BY
 AN ENGINEER UNDER THE SUPERVISION OF
Robert L. Lloyd

PLAN	DATE	BY
SURVEYED		
PLOTTED		
ALIGNMENT CHECKED		
MT. OF WAY CHECKED		
NOTE BOOK NO.		

PROFILE	DATE	BY
SURVEYED		
GRADES CHECKED		
R.M.'S NOTED		
STRUCTURE NOTATION CHKD.		
NOTE BOOK NO.		

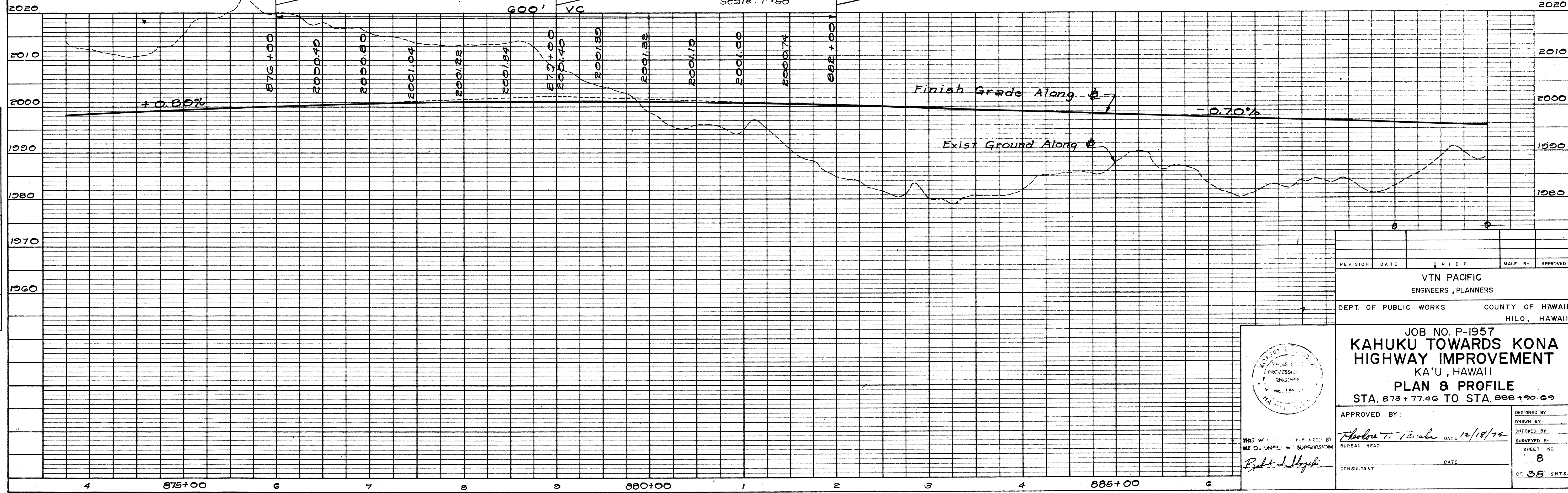


2 CURVE DATA
 $\Delta = 16^\circ 10'$
 $\Delta/2 = 8^\circ 05'$
 $R = 12000.00$
 $T = 1704.20$
 $C = 3374.72$
 $Lc = 3385.94$



STATIONS	COORDINATES
PT. 887+96.66	83,310.88 N 430,156.21 E

PLAN
Scale: 1"=60'

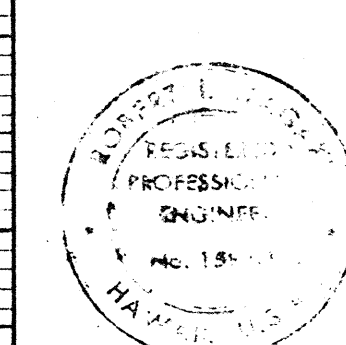


REVISION	DATE	BRIEF	MADE BY	APPROVED
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VTN PACIFIC
ENGINEERS, PLANNERS
DEPT. OF PUBLIC WORKS COUNTY OF HAWAII
HILO, HAWAII

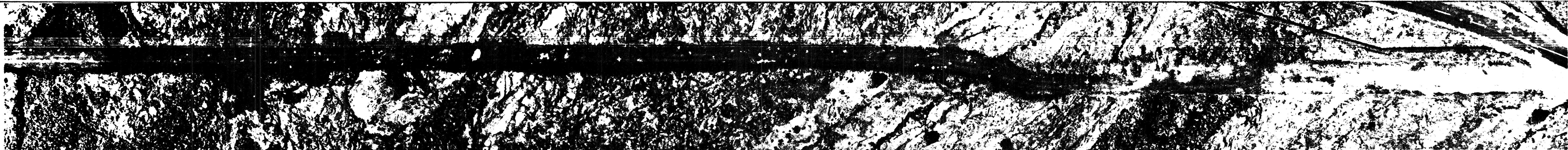
JOB NO. P-1957
KAHUKU TOWARDS KONA
HIGHWAY IMPROVEMENT
KA'U, HAWAII
PLAN & PROFILE
STA. 873+77.46 TO STA. 888+90.69

APPROVED BY: *Robert T. Thiele* DATE 12/18/74
DESIGNED BY: *Robert T. Thiele*
CHECKED BY: *Robert T. Thiele*
SURVEYED BY: *Robert T. Thiele*
SHEET NO. 8
CONSULTANT: *Robert T. Thiele* DATE
BUREAU HEAD: *Robert T. Thiele*



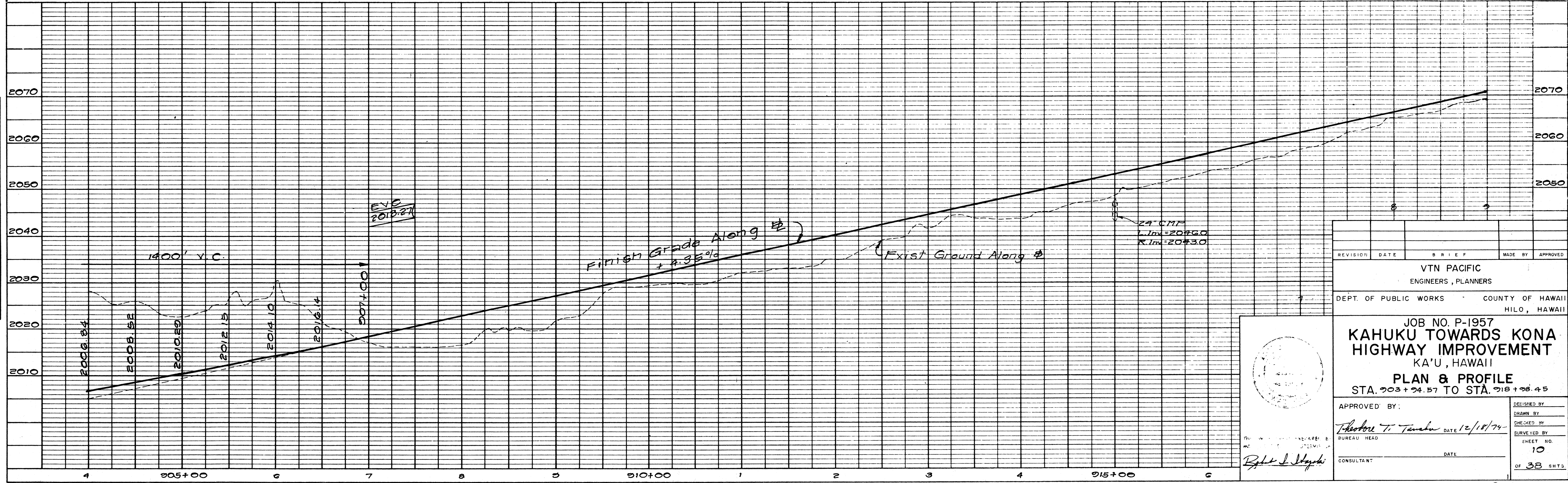
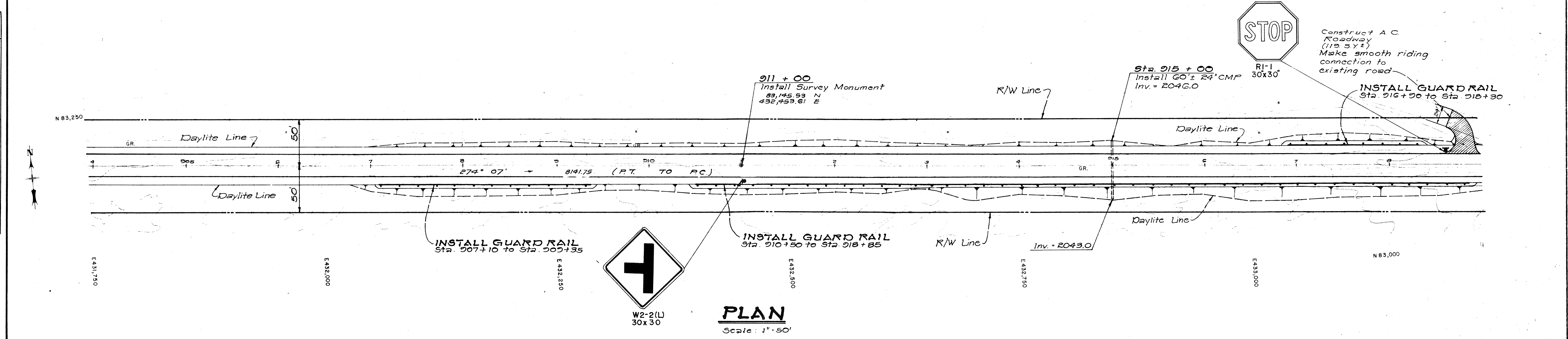
THIS WORK WAS PREPARED BY
ME O. UNPLD. W. SUPERVISION
Robert T. Thiele

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	B. M.'S NOTED		
	STRUCTURE NOTATIONS CH'KD.		

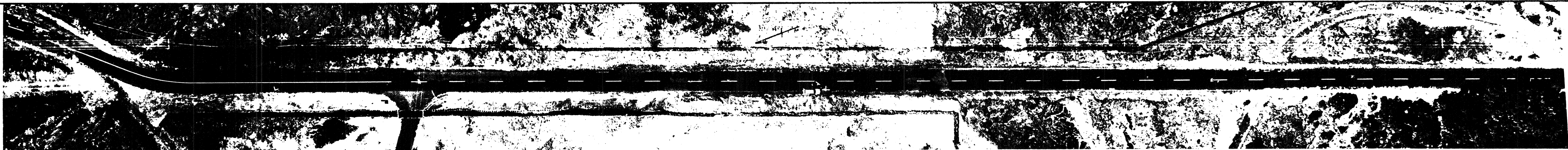


PLAN	DATE
SURVEYED	
NOTE BOOK	
NO.	

PROFILE	DATE
SURVEYED	
NOTE BOOK	
NO.	

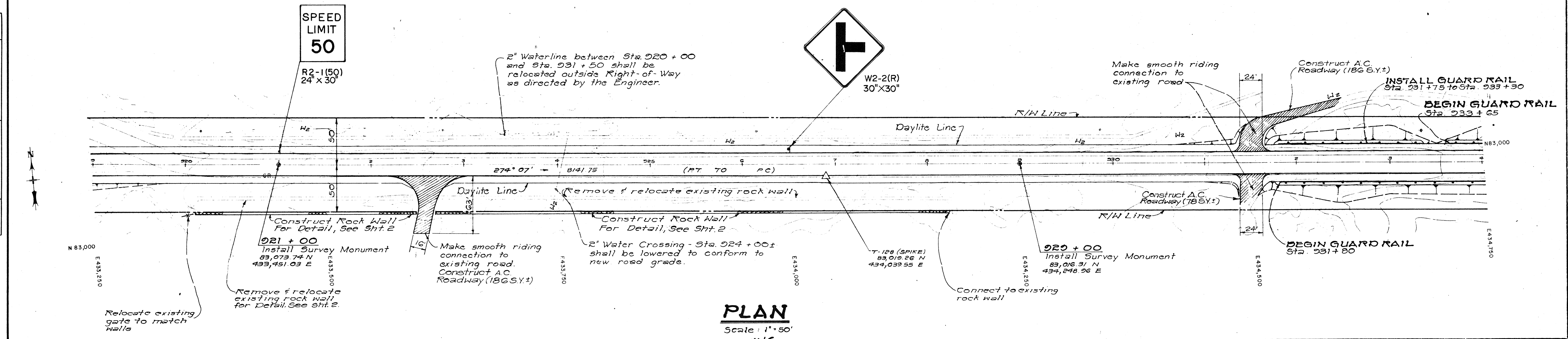


REVISION	DATE	BRIEF	MADE BY	APPROVED
VTN PACIFIC ENGINEERS, PLANNERS				
DEPT. OF PUBLIC WORKS COUNTY OF HAWAII HILO, HAWAII				
JOB NO. P-1957 KAHUKU TOWARDS KONA HIGHWAY IMPROVEMENT KA'U, HAWAII PLAN & PROFILE STA. 203+00 TO STA. 208+45				
APPROVED BY:				
Theodore T. Tanaka DATE 12/18/74				
BUREAU HEAD				
CONSULTANT				
DESIGNED BY				
DRAWN BY				
CHECKED BY				
SURVEYED BY				
SHEET NO. 10				
OF 38 SHTS.				

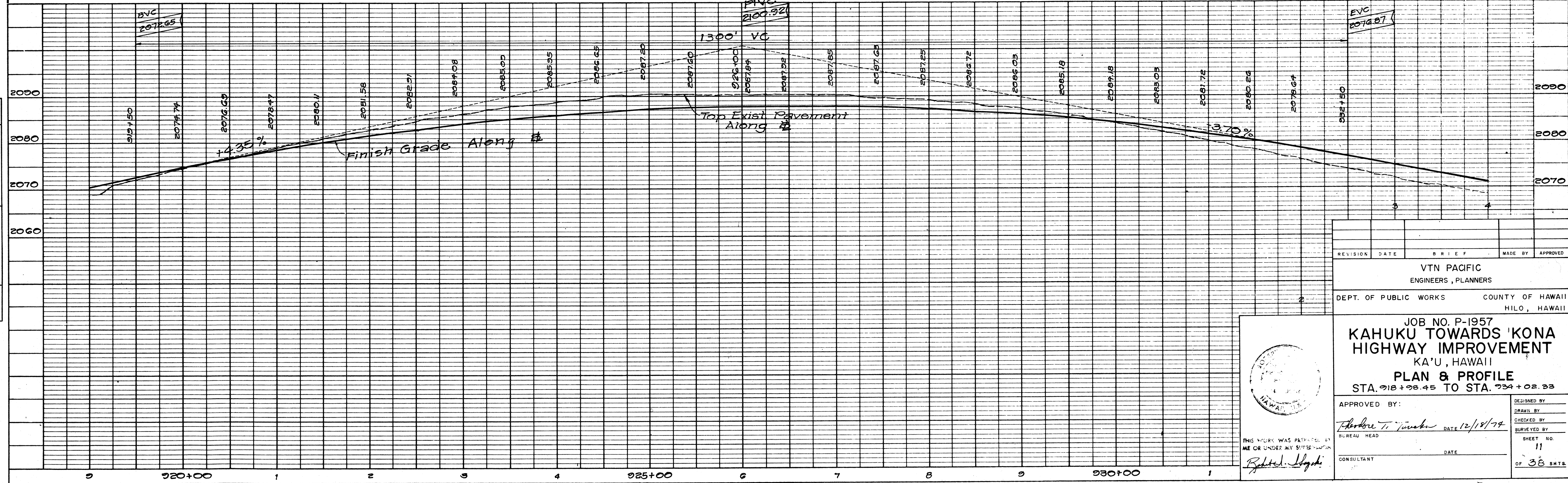


PLAN	DATE
SURVEYED	BY
PLOTTED	DATE
CHECKED	DATE
NOTED	DATE
NO.	

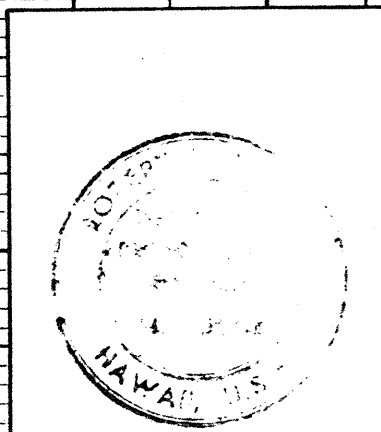
PROFILE	DATE
SURVEYED	BY
PLOTTED	DATE
CHECKED	DATE
NOTED	DATE
NO.	



PLAN
Scale: 1" = 50'



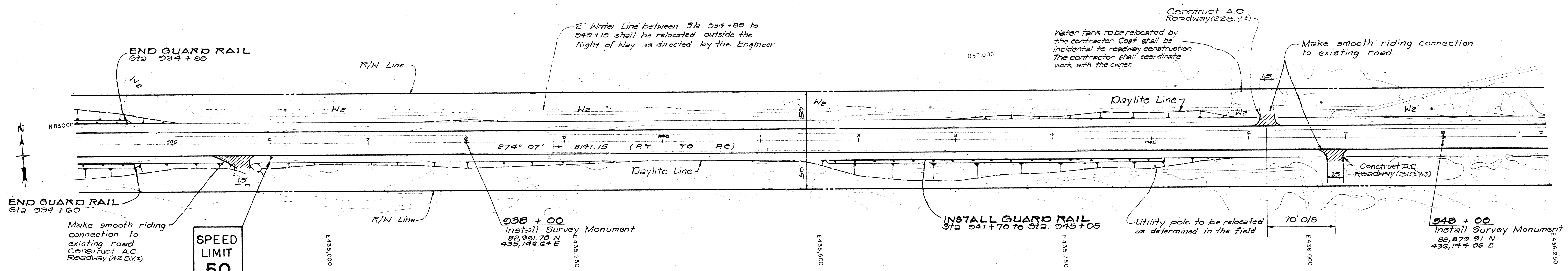
REVISION	DATE	BRIEF	MADE BY	APPROVED
VTN PACIFIC ENGINEERS, PLANNERS				
DEPT. OF PUBLIC WORKS COUNTY OF HAWAII HILO, HAWAII				
JOB NO. P-1957 KAHUKU TOWARDS 'KONA HIGHWAY IMPROVEMENT KA'U, HAWAII PLAN & PROFILE STA. 918+28.45 TO STA. 934+02.33				
APPROVED BY: <i>Robert T. Tinsley</i> DATE 12/18/74				
BUREAU HEAD				
CONSULTANT				
DESIGNED BY				
DRAWN BY				
CHECKED BY				
SURVEYED BY				
SHEET NO. 11				
OF 38 SHES				



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION
Robert T. Tinsley

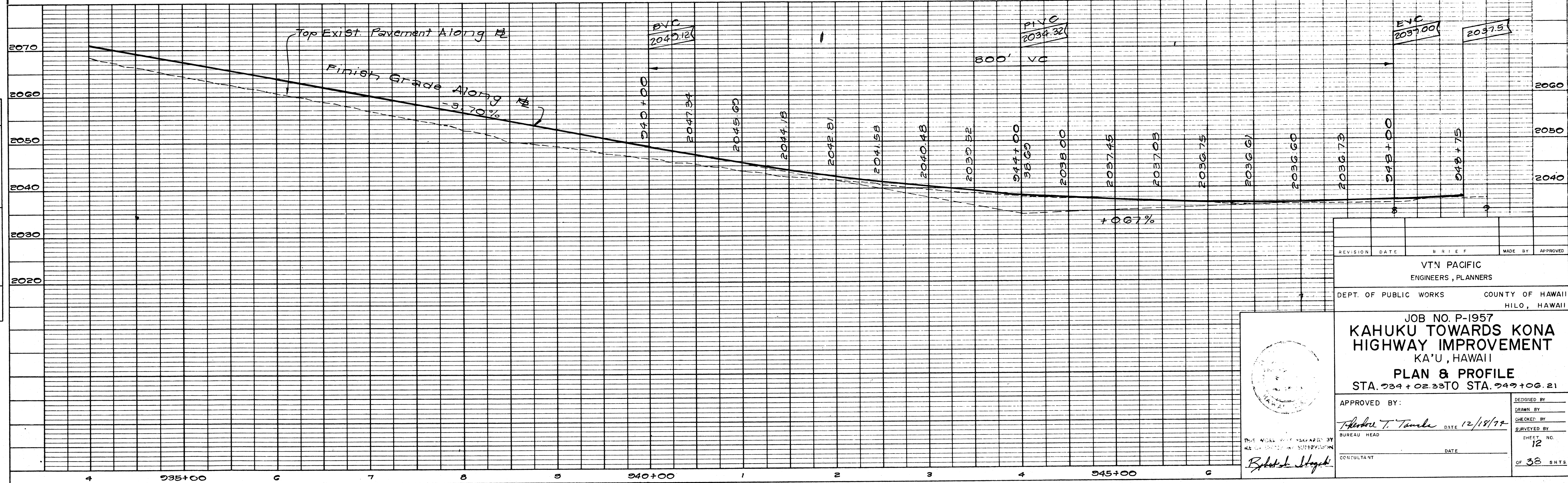


DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
STRUCTURE	
NO.	

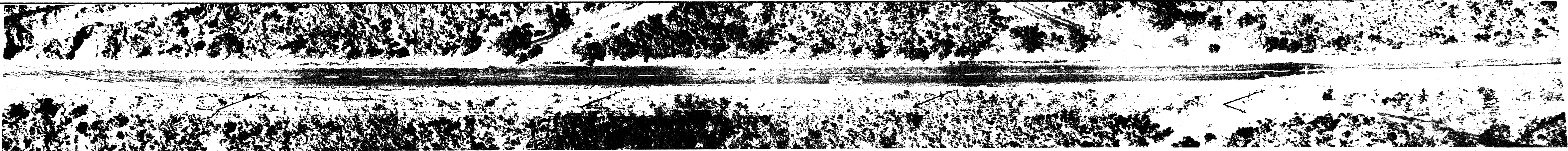


PLAN
Scale: 1" = 50'

DATE	
BY	
SURVEYED	
PLANNED	
NOTED	
STRUCTURE	
NO.	

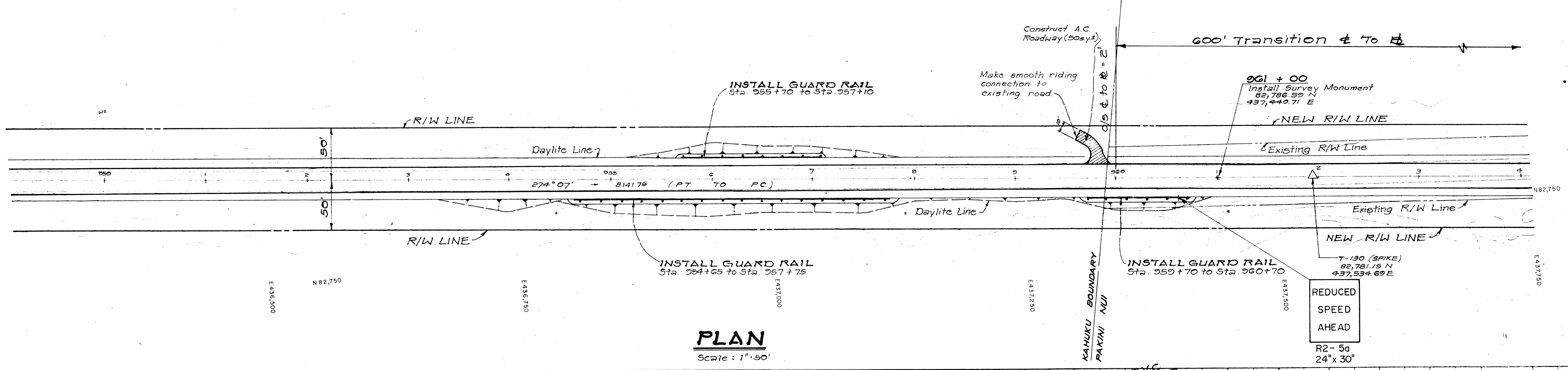


REVISION	DATE	BRIEF	MADE BY	APPROVED
VTN PACIFIC ENGINEERS, PLANNERS				
DEPT. OF PUBLIC WORKS COUNTY OF HAWAII HILO, HAWAII				
JOB NO. P-1957 KAHUKU TOWARDS KONA HIGHWAY IMPROVEMENT KA'U, HAWAII PLAN & PROFILE STA. 934+02.33 TO STA. 949+06.21				
APPROVED BY:		DESIGNED BY:		
<i>Robert T. Tamm</i>		<i>Robert T. Tamm</i>		
BUREAU HEAD		DATE		12/18/72
CONSULTANT		DATE		
		CHECKED BY:		
		SURVEYED BY:		
		SHEET NO.		12
		OF 38 SHTS.		

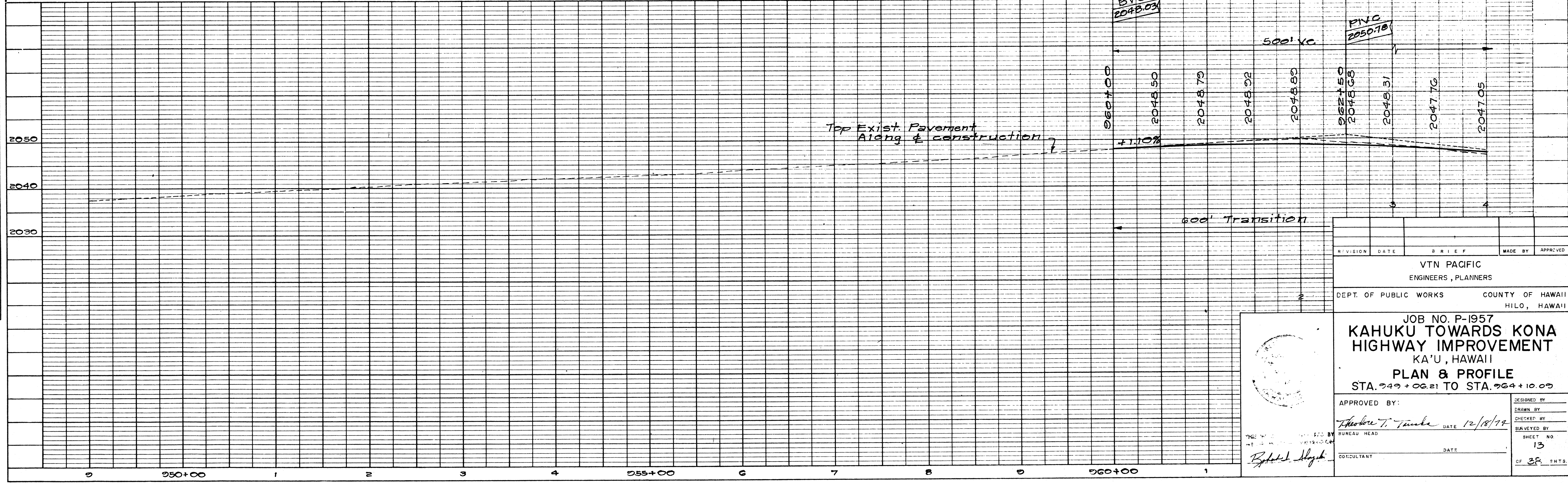


PLAN	DATE
BY	
SURVEYED	
ALIGNED	
CHECKED	
RT. OF WAY	
NO.	

PROFILE	DATE
BY	
SURVEYED	
GRADES	
CHECKED	
RT. OF WAY	
NO.	



PLAN
Scale: 1"=50'



REVISION	DATE	BRIEF	MADE BY	APPROVED
VTN PACIFIC ENGINEERS, PLANNERS				
DEPT. OF PUBLIC WORKS COUNTY OF HAWAII HILO, HAWAII				
JOB NO. P-1957 KAHUKU TOWARDS KONA HIGHWAY IMPROVEMENT KA'U, HAWAII PLAN & PROFILE STA. 949+06.21 TO STA. 964+10.09				
APPROVED BY: <i>Theodore T. Tunkle</i> BUREAU HEAD		DESIGNED BY: DRAWN BY: CHECKED BY: SURVEYED BY: SHEET NO. 13 OF 38 SHEETS		
DATE: 12/18/74		DATE:		
CONSULTANT				

PROFILE	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	GRADES CHECKED		
	B. M.'S NOTED		
	STRUCTURE NOTAT'NS CH KD.		

PLAN	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	ALIGNMENT CHECKED		
	RT. OF WAY CHECKED		

PROFILE	BY	DATE
SURVEYED _____	_____	_____
NOTE BOOK _____	_____	_____
GRADES CHECKED _____	_____	_____
B. M.'S NOTED _____	_____	_____
STRUCTURE NOTATIONS CH'KD. _____	_____	_____

