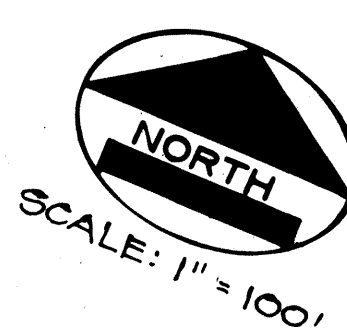


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7-030-100	1981	4	22

All Field Roads Shown Are Approximate Locations Only. Contractor Shall Verify Actual Locations of Field Roads.



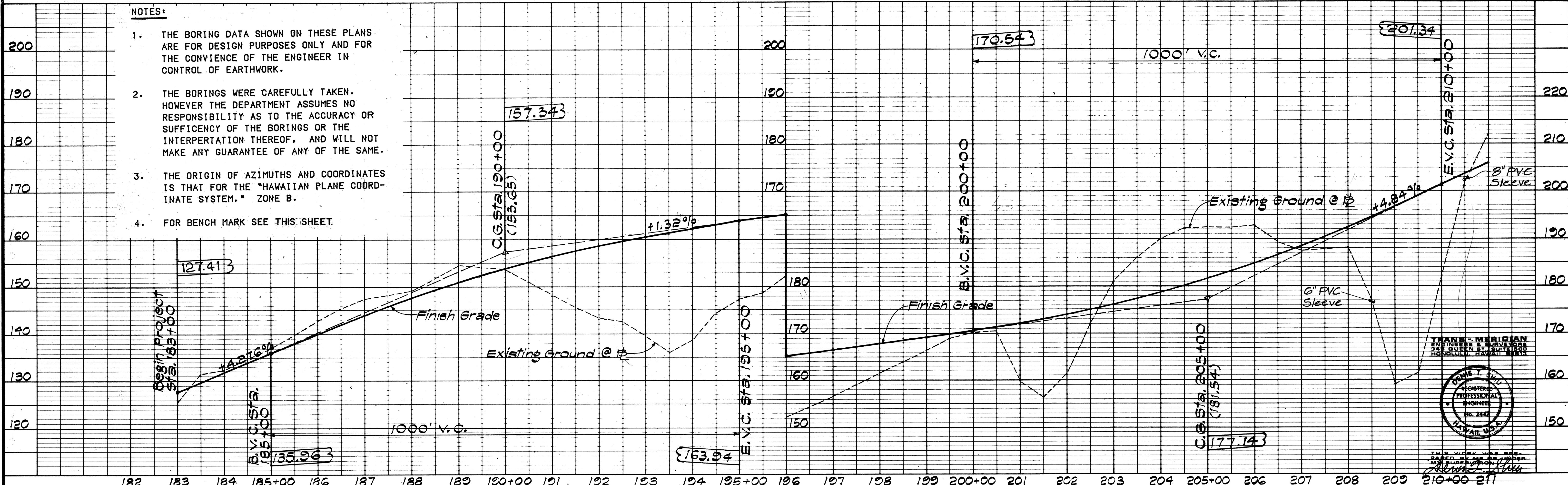
CURVE DATA TABLE				
NO.	N. COORDINATE	E. COORDINATE	DATA	
①	P.C. 237,692.43	499,882.05	Δ 48° 22' 19"	
	P.T. 238,494.60	501,527.43	R 2300.00	
	C.C. 238,092.07	499,781.70	L 1941.77	
	P.L. 237,710.55	500,864.88	T 1032.28	

Note: All Azimuths and Distances refer to Hawaii Plane Coordinate System

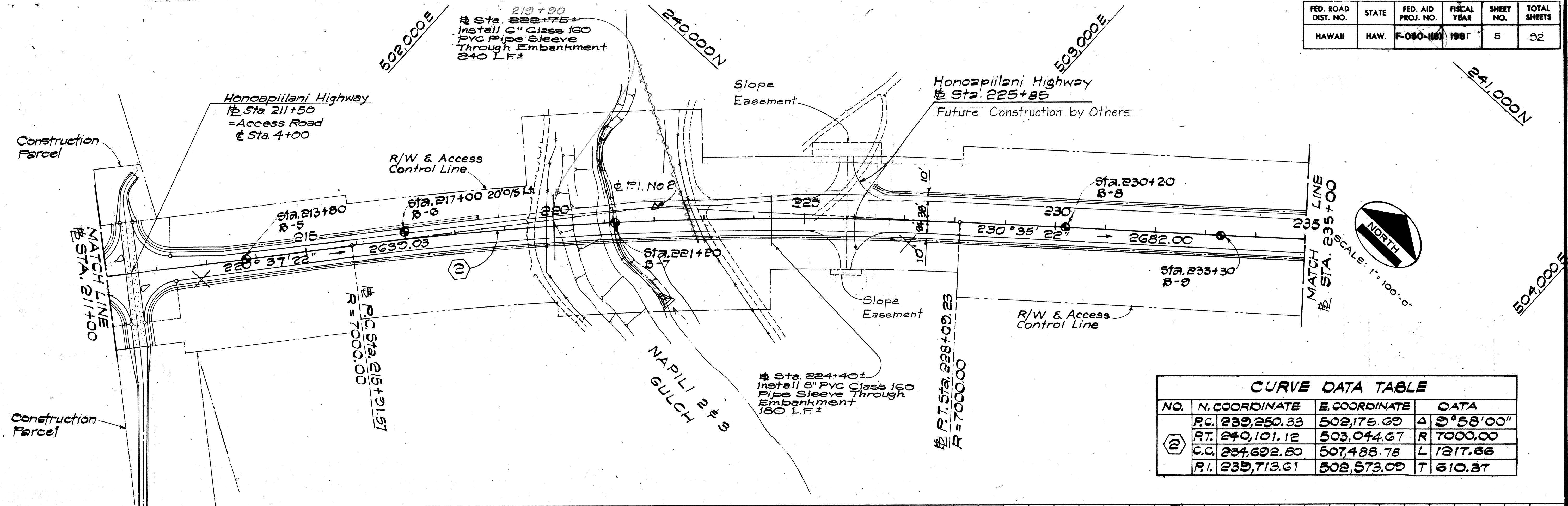
NOTES:

1. THE BORING DATA SHOWN ON THESE PLANS ARE FOR DESIGN PURPOSES ONLY AND FOR THE CONVIENCE OF THE ENGINEER IN CONTROL OF EARTHWORK.
2. THE BORINGS WERE CAREFULLY TAKEN. HOWEVER THE DEPARTMENT ASSUMES NO RESPONSIBILITY AS TO THE ACCURACY OR SUFFICIENCY OF THE BORINGS OR THE INTERPERTATION THEREOF. AND WILL NOT MAKE ANY GUARANTEE OF ANY OF THE SAME.
3. THE ORIGIN OF AZIMUTHS AND COORDINATES IS THAT FOR THE "HAWAIIAN PLANE COORDINATE SYSTEM." ZONE B.
4. FOR BENCH MARK SEE THIS SHEET.

DATE	_____
DESIGNED BY	_____
CHECKED BY	_____
NOTED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
NO.	_____

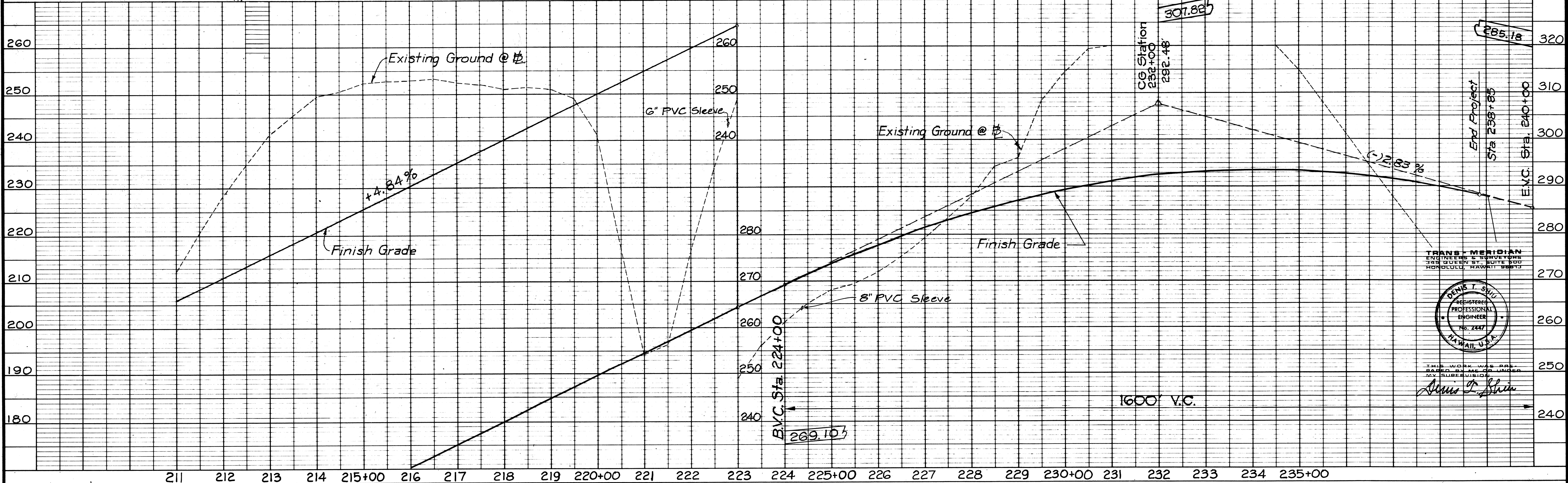


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-030-1161	1981	5	32



CURVE DATA TABLE			
NO.	N. COORDINATE	E. COORDINATE	DATA
②	P.C. 239,250.33	502,175.69	A 9°58'00"
	P.T. 240,101.12	503,044.67	R 7000.00
	C.C. 234,692.80	507,488.78	L 1217.66
	P.L. 239,713.61	502,573.00	T 610.37

DATE	
ORIGINAL	
PLAN	
NOTED BY	
QUANTITIES BY	
CHECKED BY	
NO.	

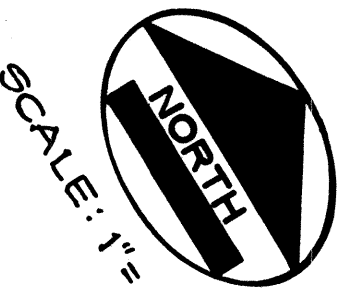


TRANS-MERIDIAN
ENGINEERS & SURVEYORS
345 QUEEN ST., SUITE 200
HONOLULU, HAWAII 96812

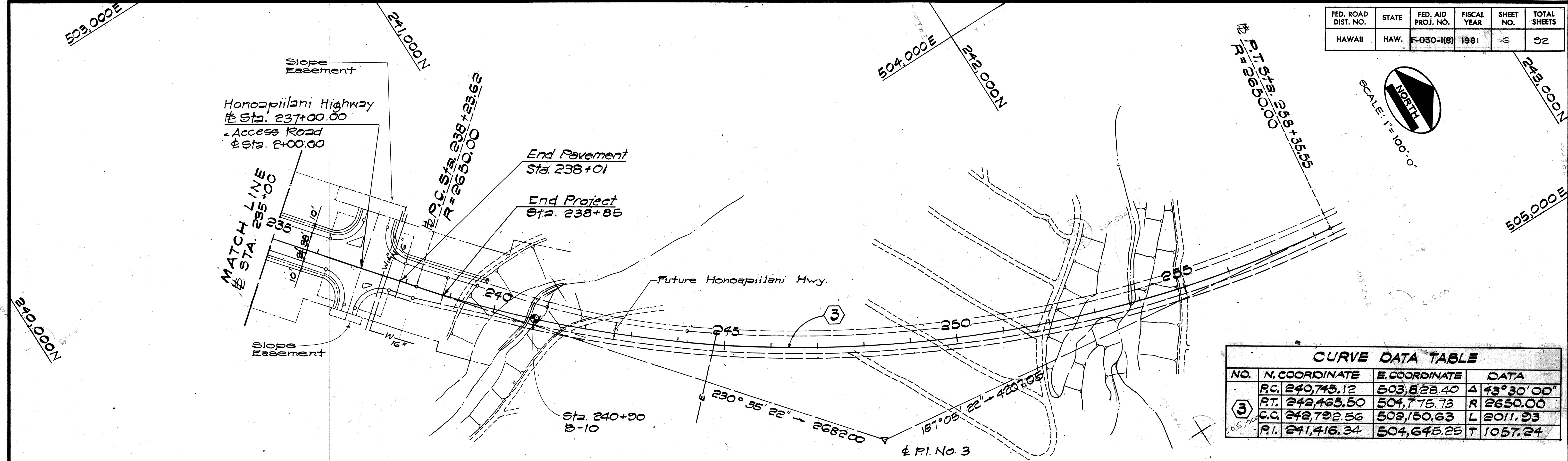
REGISTERED
PROFESSIONAL
ENGINEER
No. 2247
HAWAII, U.S.A.

THIS WORK WAS PREPARED
BASED ON FIELD SURVEY UNDER
MY SUPERVISION
James P. Shum

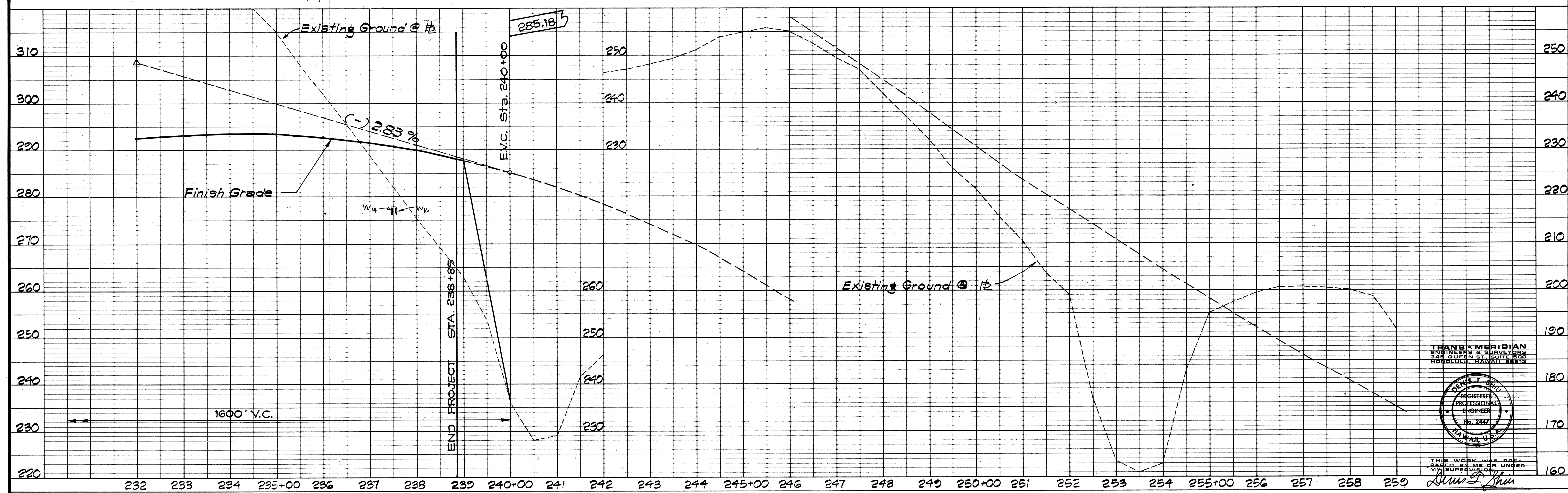
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-030-1(8)	1981	26	92



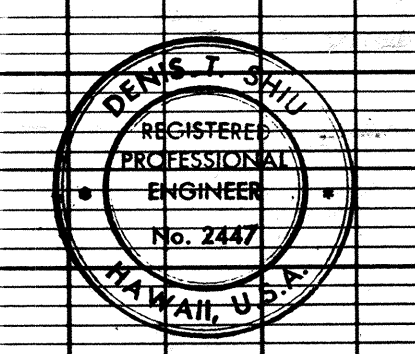
SCALE: 1" = 100'-0"



CURVE DATA TABLE				
NO.	N. COORDINATE	E. COORDINATE	DATA	
3	P.C. 240,745.12	503,828.40	Δ 43° 30' 00"	
	P.T. 242,465.50	504,775.73	R 2650.00	
	C.C. 242,792.56	502,150.63	L 2011.93	
	P.I. 241,416.34	504,645.25	T 1057.24	



TRANS-MERIDIAN
ENGINEERS & SURVEYORS
245 QUEEN ST., SUITE 500
HONOLULU, HAWAII 96813



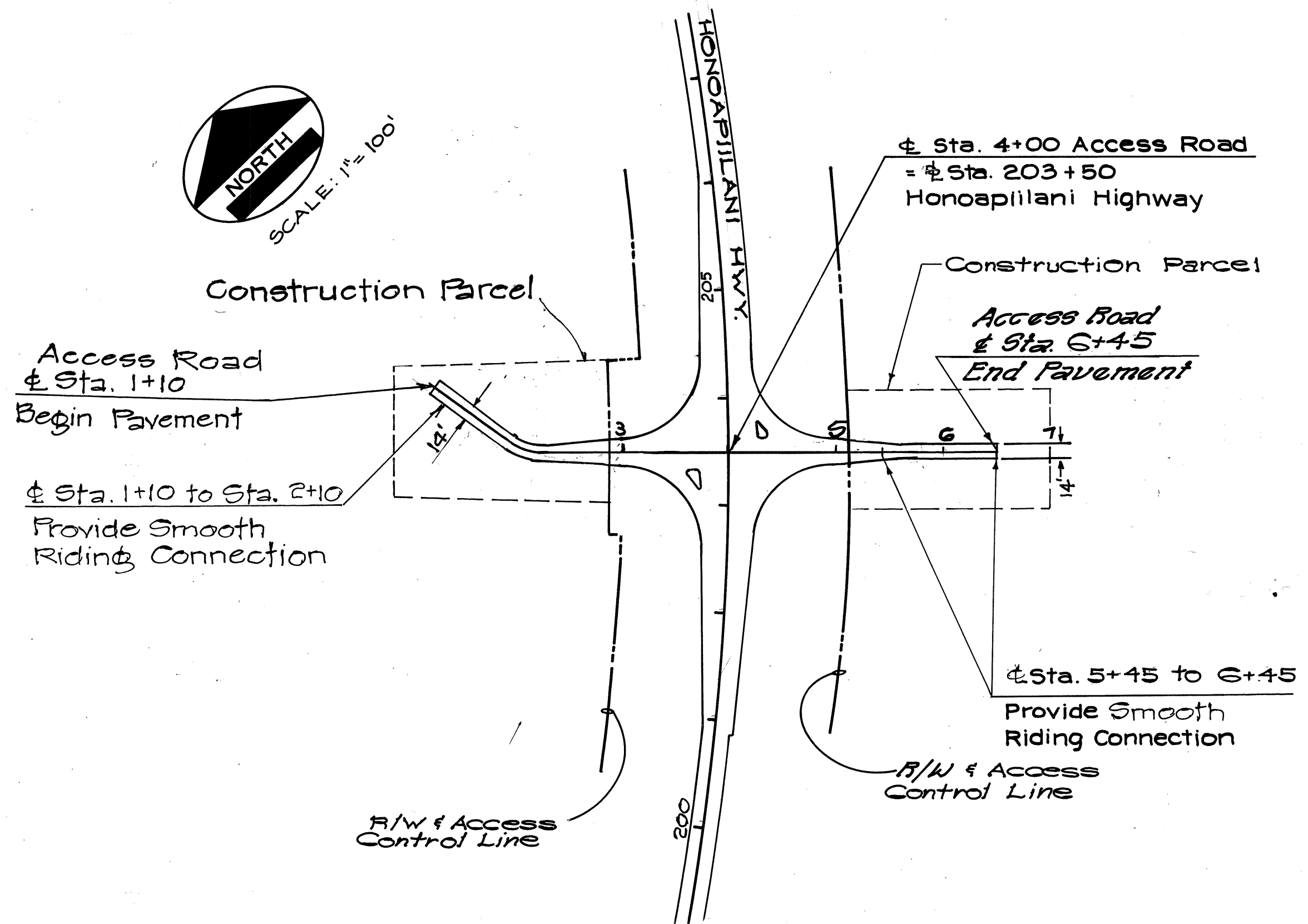
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Dennis J. Shiu

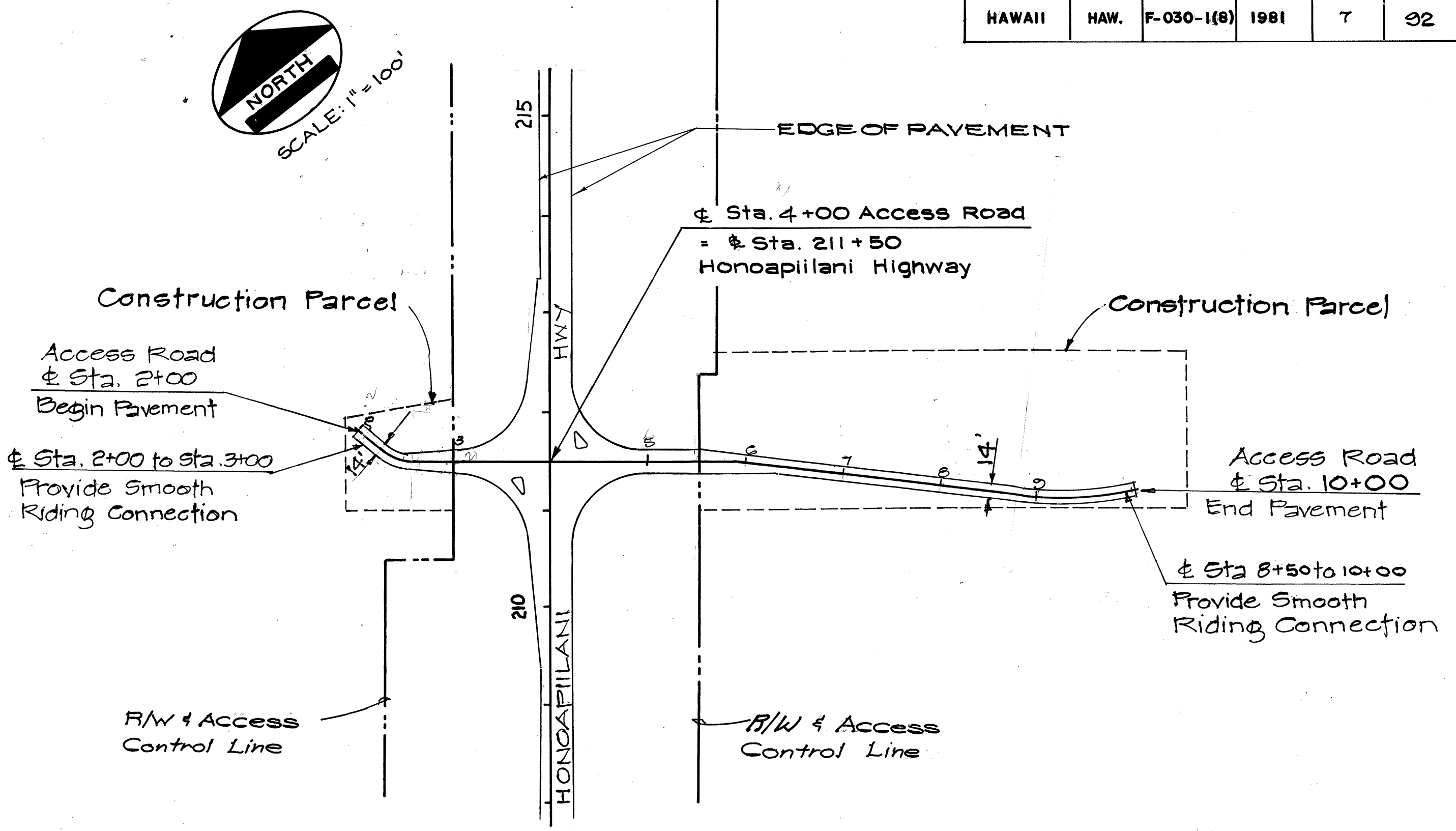
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-030-1(8)	1981	7	92

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

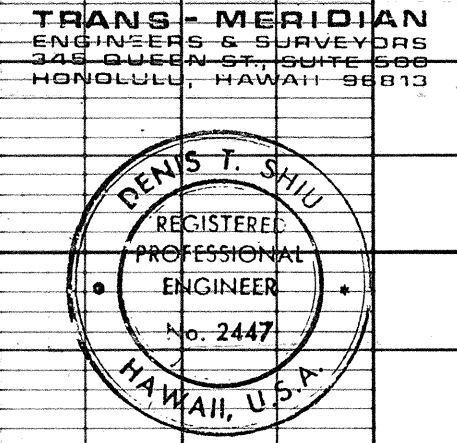
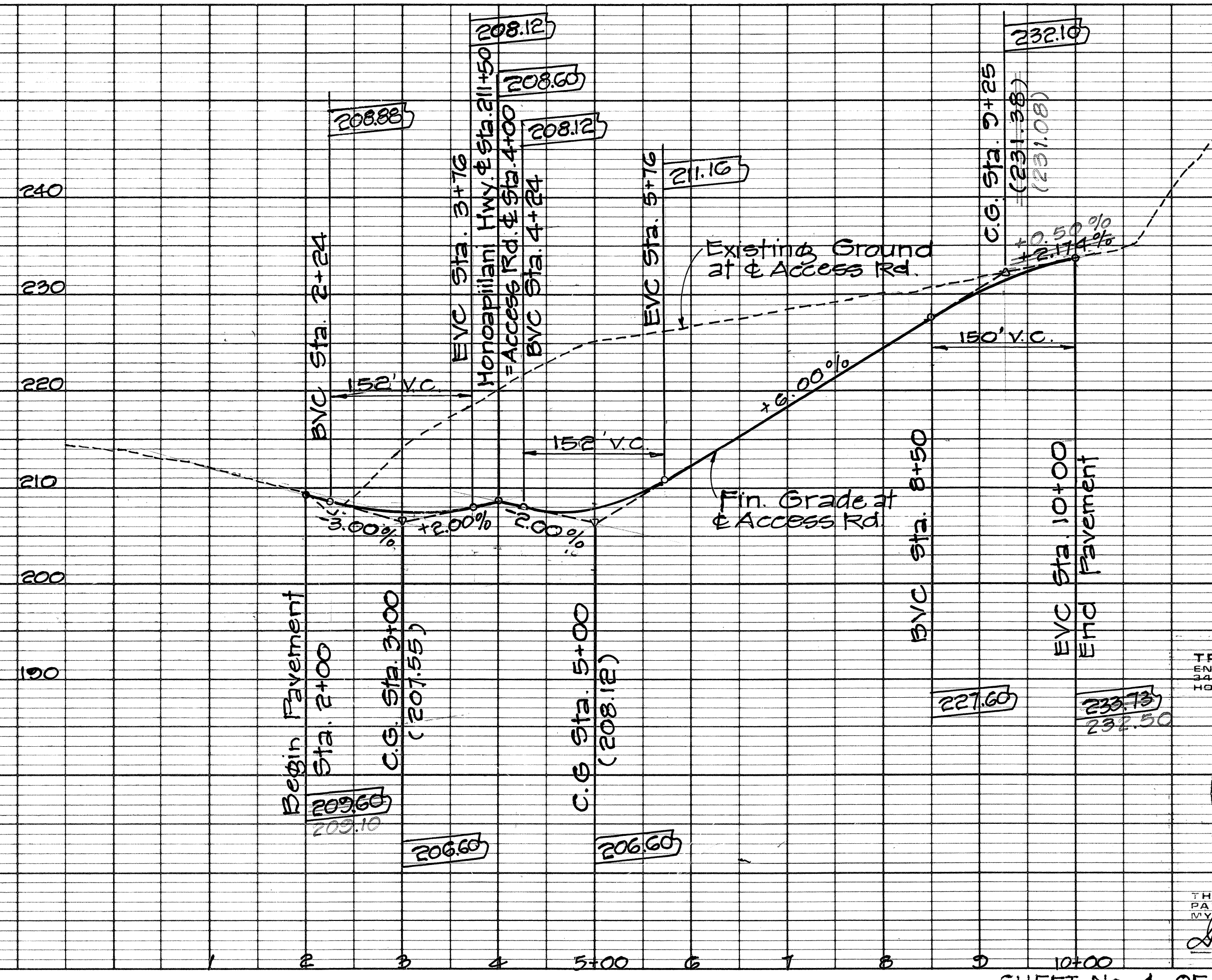
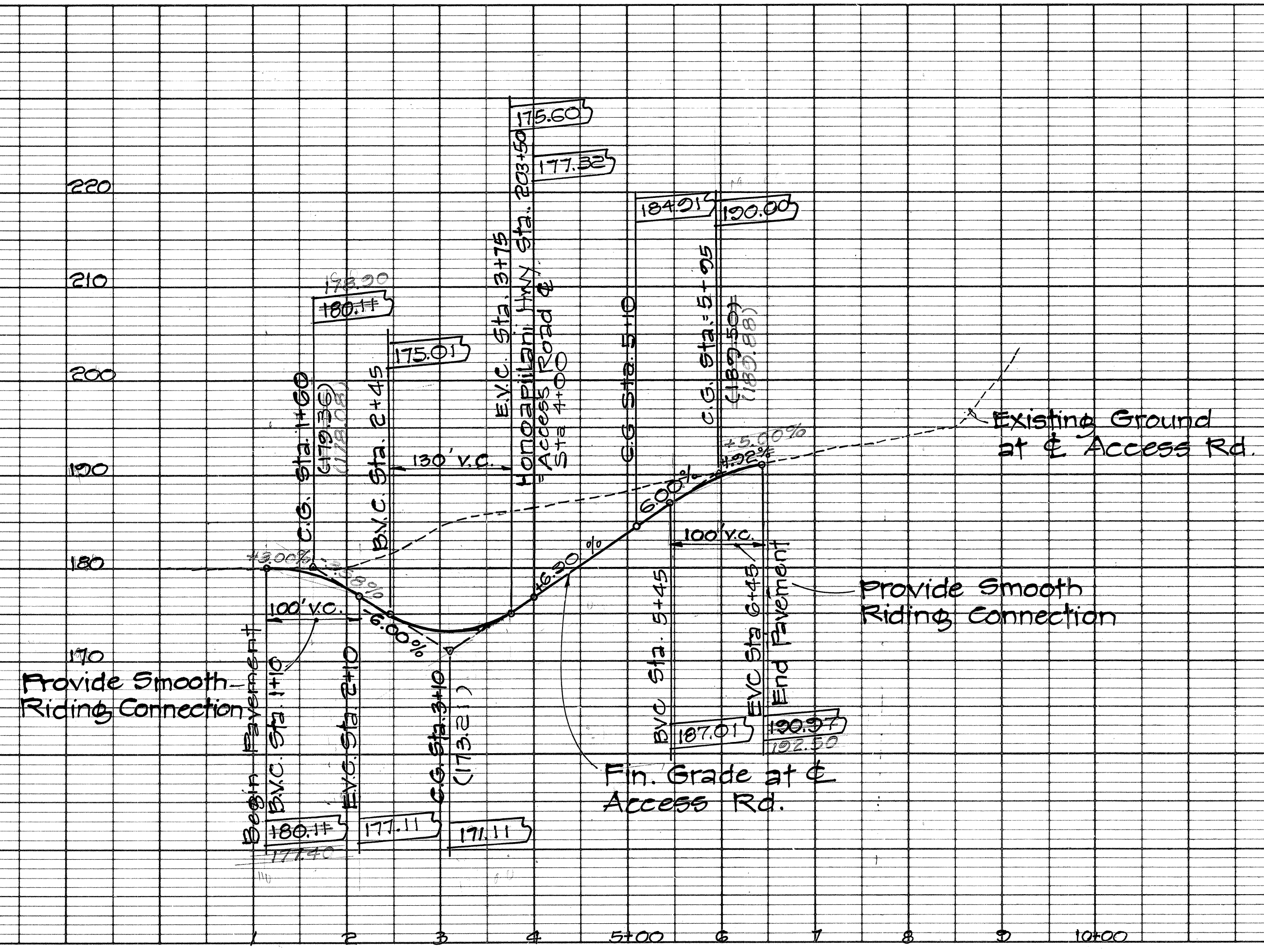


ACCESS ROAD AT & STA. 203+50



ACCESS ROAD AT & STA. 211+50

PROFILE	DATE	BY
SURVEYED		
PLOTTED		
CHECKED		
NO. OF WAY CHECKED		
NOTE BOOK NO.		



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 DENIS T. SHU
 REGISTERED PROFESSIONAL ENGINEER
 NO. 2447
 HAWAII, U.S.A.