

GENERAL NOTES

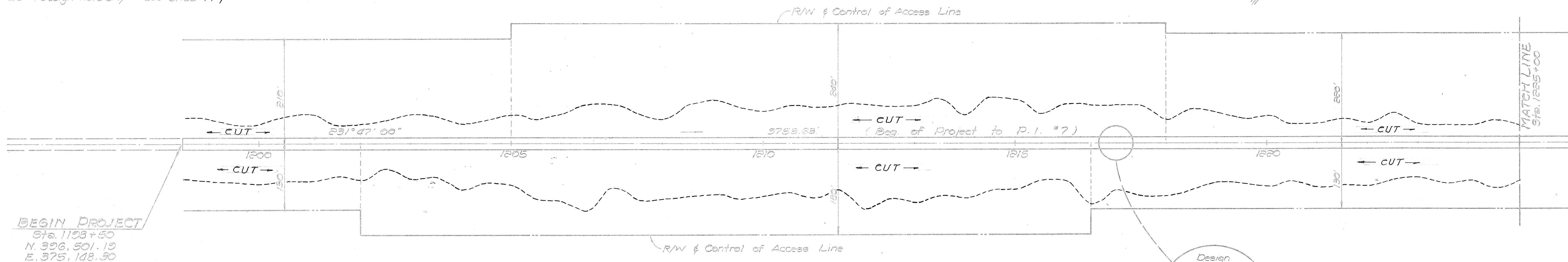
1. Azimuths and coordinates are referred to the Hawaii State Plane Coordinate System Zone.
2. Bench Marks are referred to Mean Sea Level Datum.
3. The finished grade along the design grade line is 0.626 feet (7.75 inches) above the 4" Imported Borrow Coral Material.
4. The coordinates for the existing street monuments "N" and "O" and the azimuths between these street monuments are based upon information received from a boundary survey of this area conducted by R.M. Towill Corporation in 1968. This boundary survey was performed to a minimum accuracy of one part in 5000 or better and based on Triangulation Station "Puke Old" (Design note only - see sheet 14.)
5. Provide Class "A" finish in recovery zone.
6. For sign placement behind guardrails, see sheet no DT-100, Misc Sign Details, of Standard Details. For signs not located behind guardrail, clearance between the edge of pavement and the nearest sign post shall be thirty (30) feet or as staked by the Engineer.

Note:

"As Built" changes have not been recorded on this section (Page 18 thru 28)

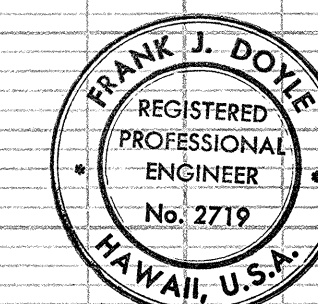
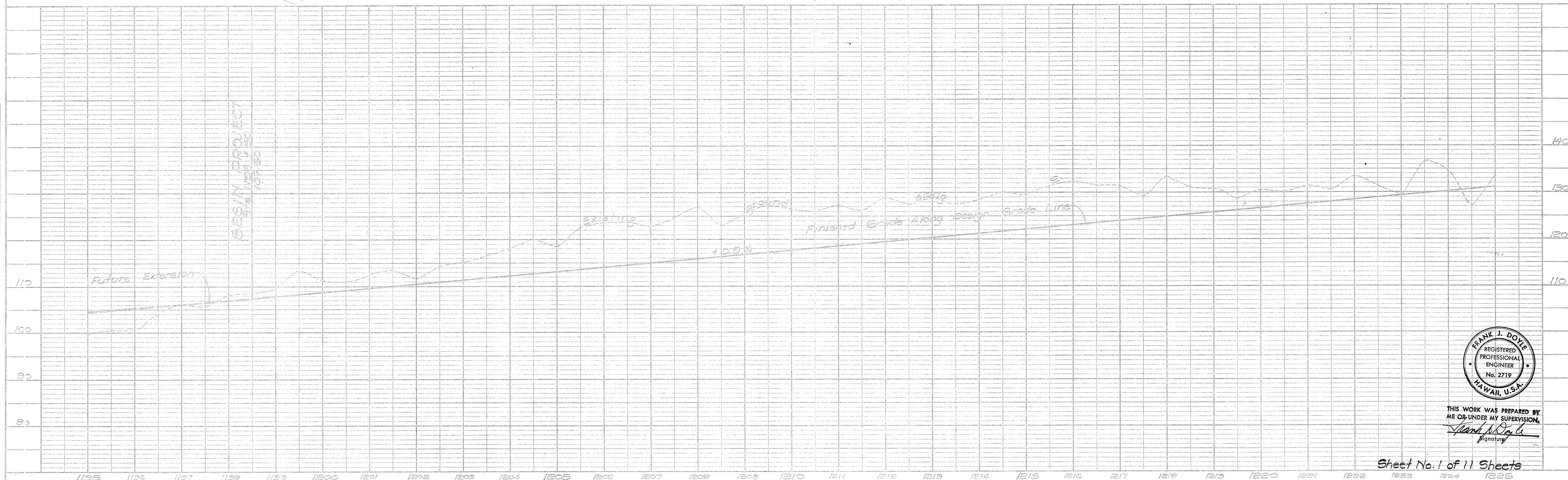
STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	108C-017	1971	18	62

TRUE NORTH
Scale: 1 in = 100 ft.



WAIKOLOA

Richard Smart - Owner
(8-8-01-5)



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Frank J. Doyle
Signature

Sheet No. 1 of 11 Sheets

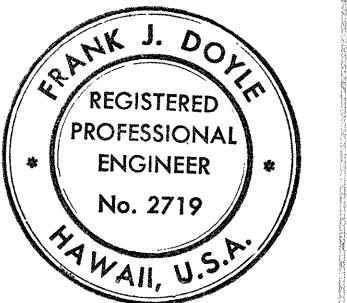
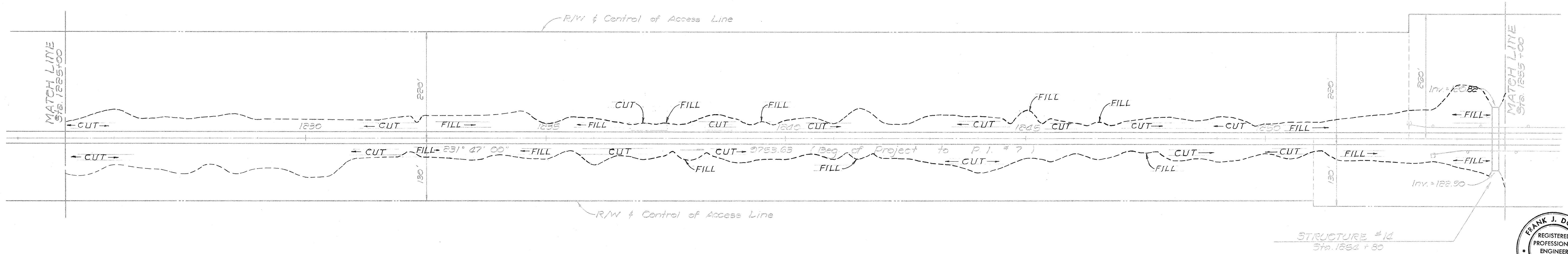
PLAN	SURVEYED PLANNED NOTED BY	DATE	BY	DATE

PROFILE	SURVEYED PLANNED NOTED BY	DATE	BY	DATE

GUARD RAIL SCHEDULE											
Sta. Limits		Side	Length (L.F.)	Terminal Flare (Type)		Sta. Limits		Side	Length (L.F.)	Terminal Flare (Type)	
				Approach	Tail					Approach	Tail
1253+00 - 1257+75		Lt.	475	E	B	1290+25 - 1295+00		Rt.	475	B	E
1290+00 - 1296+50		Lt.	650	E	B	1377+50 - 1382+00		Rt.	450	B	E
1382+00 - 1387+50		Lt.	350	E	C	1412+50 - 1417+00		Rt.	350	B	E
1387+00 - 1392+75		Lt.	775	E	B	1425+75 - 1428+50		Rt.	275	B	E
1412+50 - 1417+50		Lt.	500	E	B	1456+25 - 1463+25		Rt.	700	B	E
1425+00 - 1430+00		Lt.	500	E	C	1512+25 - 1517+75		Rt.	350	B	E
1453+25 - 1463+00		Lt.	975	E	C						
1463+50 - 1503+00		Lt.	350	F	B						
1511+00 - 1517+75		Lt.	675	E	B						
1253+50 - 1258+00		Rt.	450	B	E						

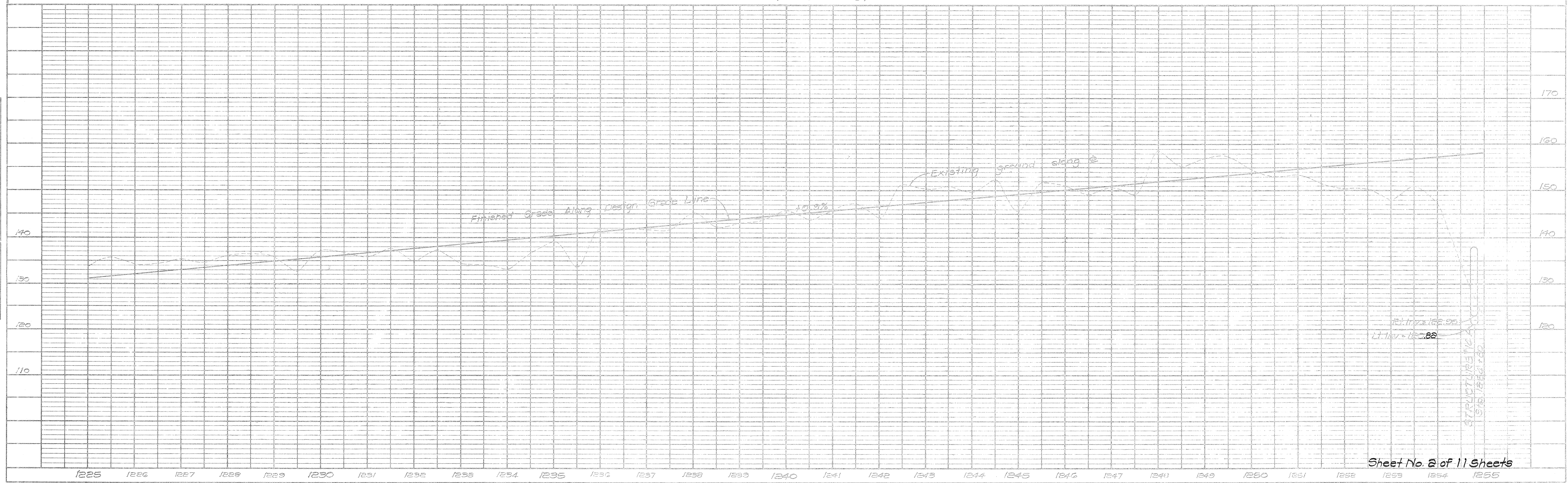
TRUE NORTH
Scale 1" = 100'

STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	13BC-07-71	1971	13	62



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Frank J. Doyle
Signature

WAIKOLOA
Richard Smart - Owner
(6-8-01-5)



Sheet No. 2 of 11 Sheets

STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	13BC-01-71	1971	20	62

PLAN	DATE
SURVEYED	BY
PLOTTED	DATE
NOTE BOOK	
NO.	

PROFILE	DATE
SURVEYED	BY
PLOTTED	DATE
NOTE BOOK	
NO.	

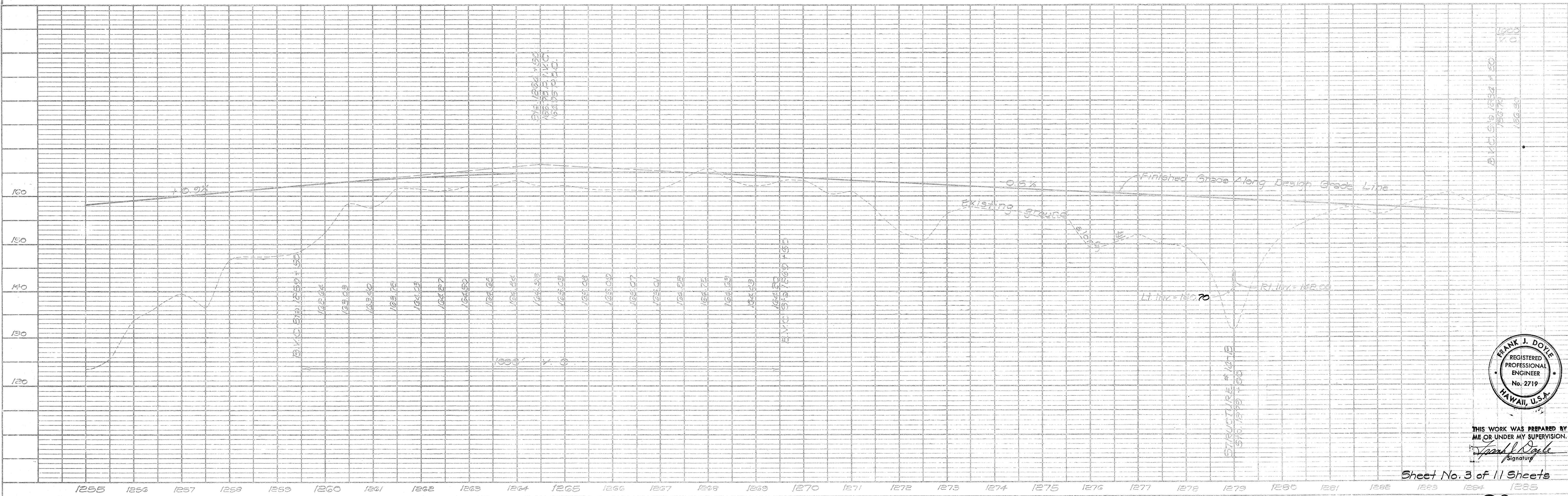
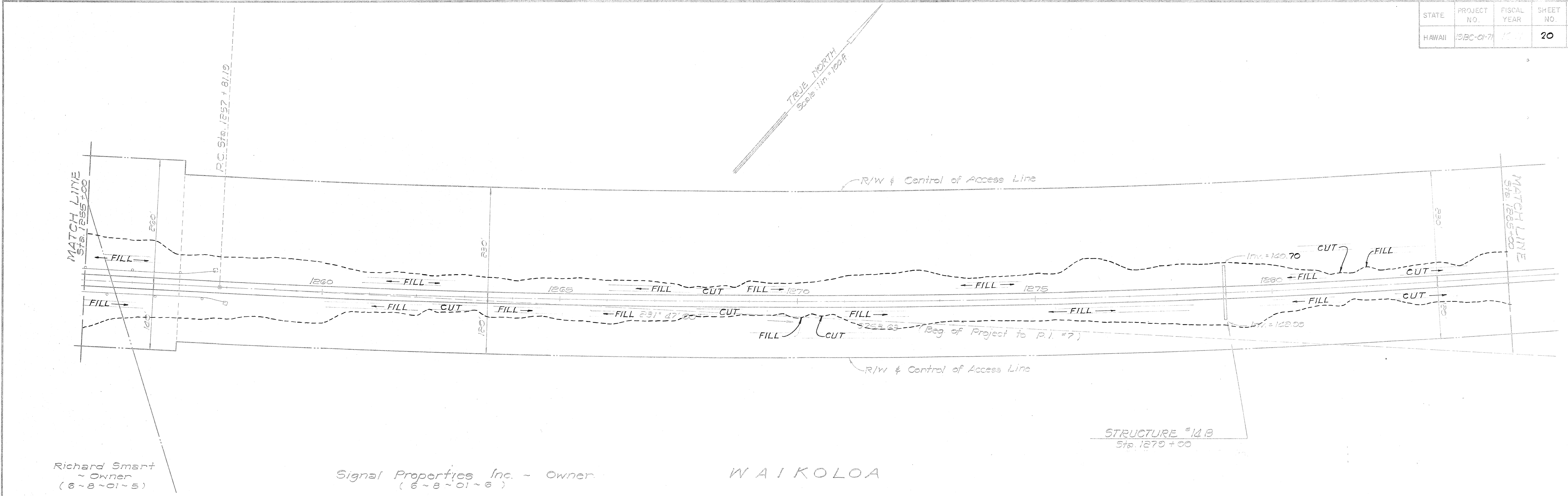
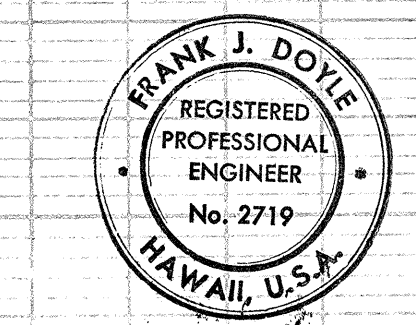


PLATE 1-PLAN PROFILE B. P. 9. STANDARD
THE PROFESSIONAL ENGINEER'S BOARD



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Signature
Sheet No. 3 of 11 Sheets

STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	1985-07	1985	21	62

PLAN	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	CHECKED	
	BY	

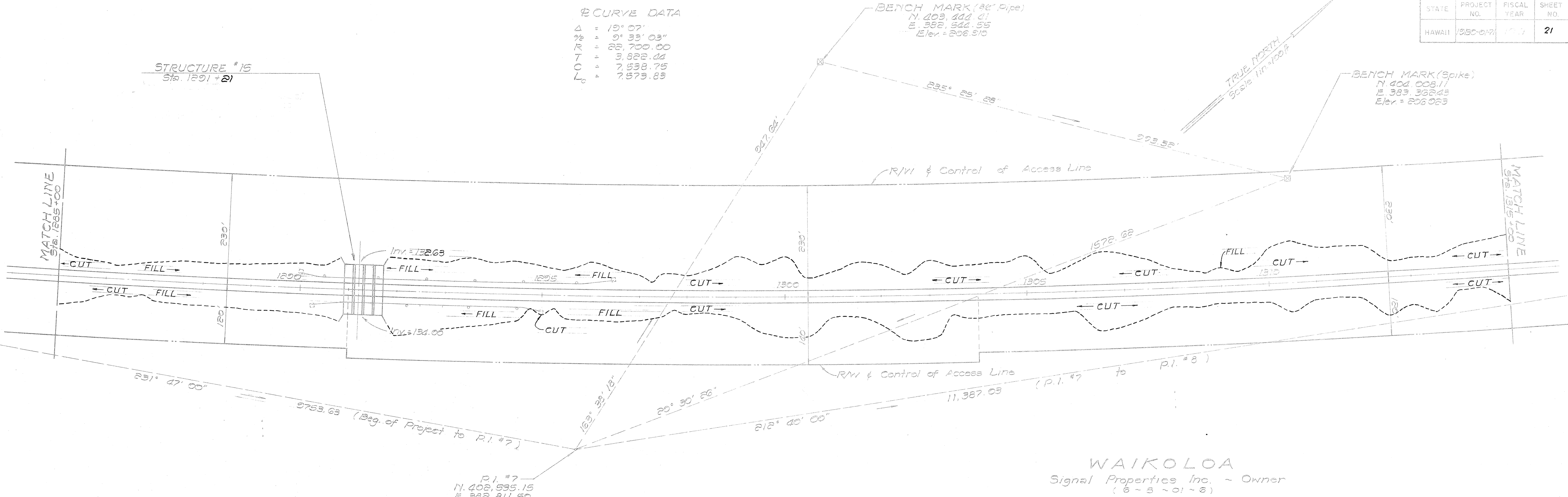
PROFILE	SURVEYED	DATE
	PLOTTED	BY
NOTE BOOK NO.	CHECKED	
	BY	

CURVE DATA
 $\Delta = 19^{\circ} 07'$
 $\% = 9' 33" 03"$
 $R = 22,700.00$
 $T = 3,822.24$
 $OC = 7,538.75$
 $LC = 7,573.89$

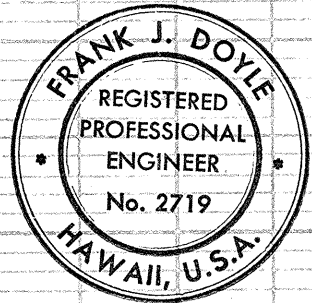
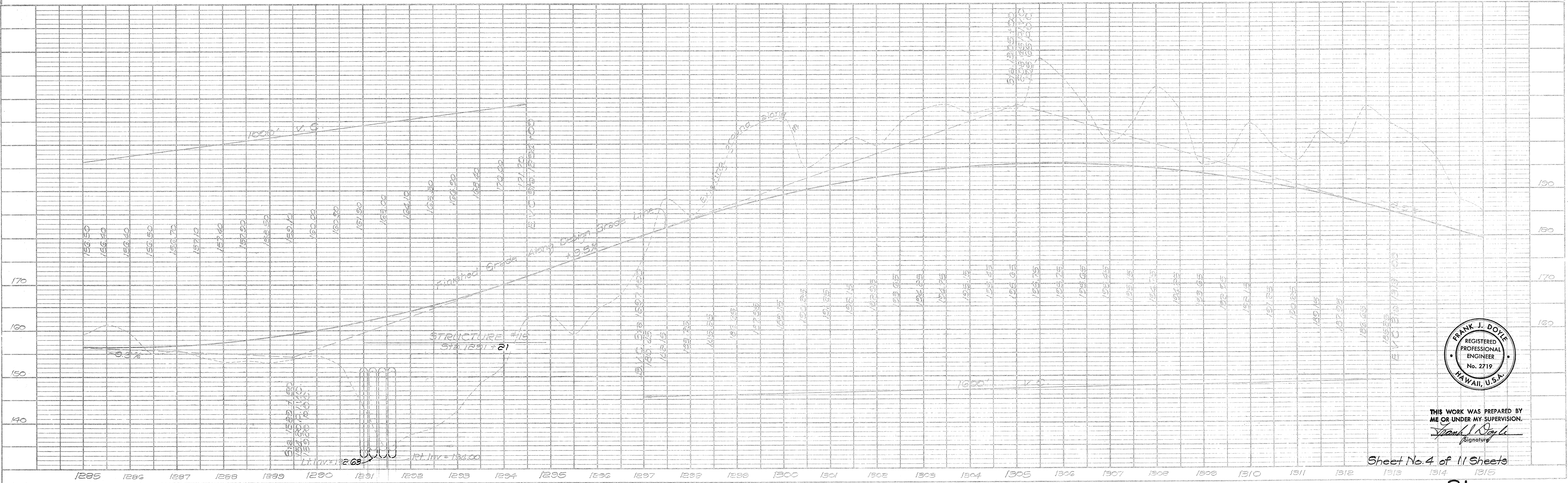
BENCH MARK (32" Pipe)
 N. 403, 404.01
 E. 382, 544.55
 Elev. = 206.915

TRUE NORTH
 Scale 1 in = 100 ft

BENCH MARK (Spike)
 N. 404, 008.17
 E. 383, 362.45
 Elev. = 206.083



WAIKOLOA
 Signal Properties Inc. - Owner
 (6-5-01-6)

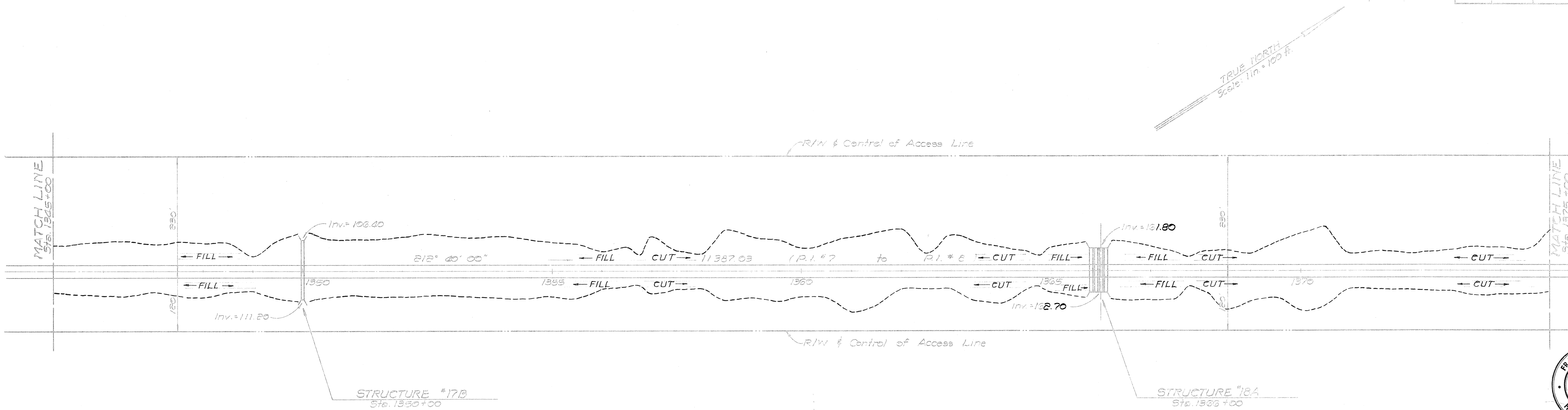


THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION.
 Signature: Frank J. Doyle

Sheet No. 4 of 11 Sheets

STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	13 BC-01-71	1971	23	62

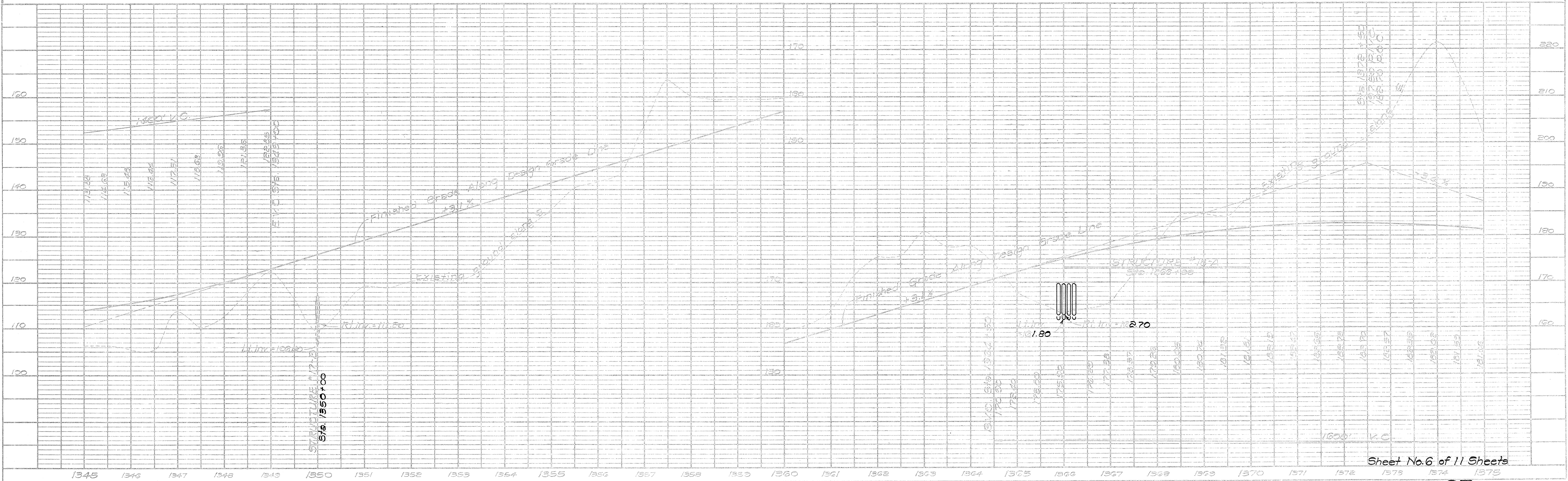
PLAN	DATE
SURVEYED	BY
NOTE BOOK	NO.
ALIGNMENT CHECKED	
RT. OF WAY CHECKED	



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Frank J. Doyle
(Signature)

WAIKOLOA
Signal Properties, Inc. - Owner
(6-8-01-6)

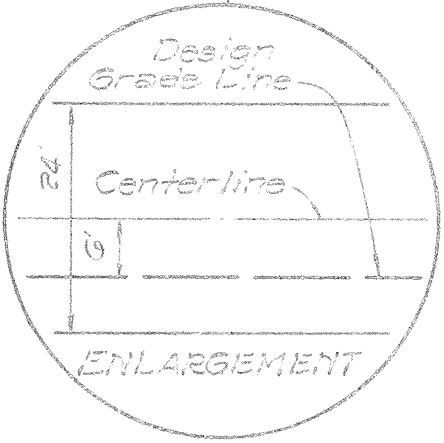
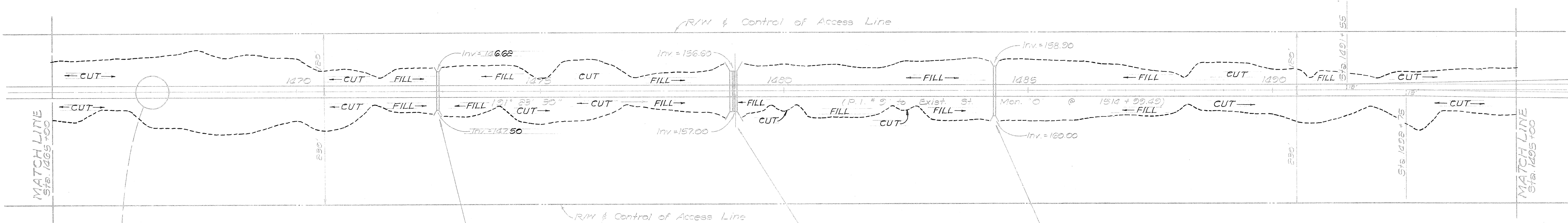
PROFILE	DATE
SURVEYED	BY
NOTE BOOK	NO.
GRADES CHECKED	
B.M.'S NOTED	
STRUCTURE NOTATIONS CHECKED	



Sheet No. 6 of 11 Sheets

STATE	PROJECT NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	1980-01-7		27	62

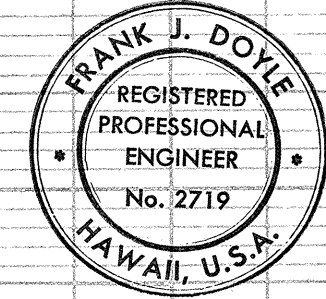
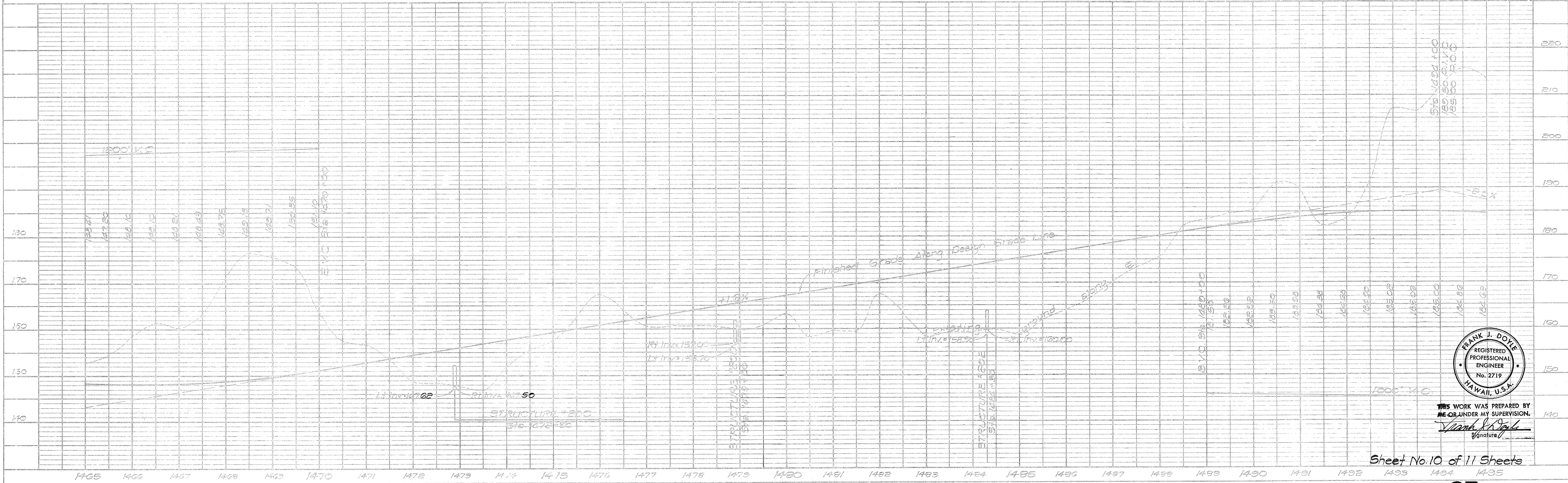
PLAN	DATE	BY
DESIGNED		
PLOTTED		
NOTE BOOK		
NO.		



NOTE: From Sta. 1482+98.78 to Sta. 1512+00 the Design Grade Line is offset 6' right of the centerline.

LALAMILO
State of Hawaii ~ Owner
Pelekoki Ranch, Inc. ~ Lessee
(G ~ G ~ 01 ~ 2)

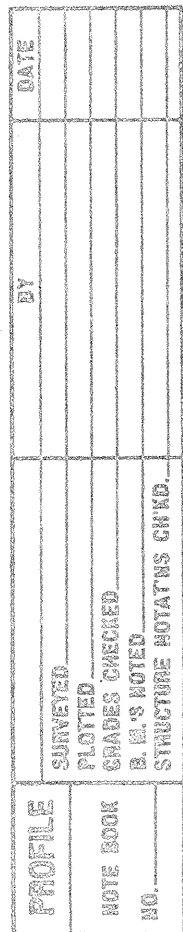
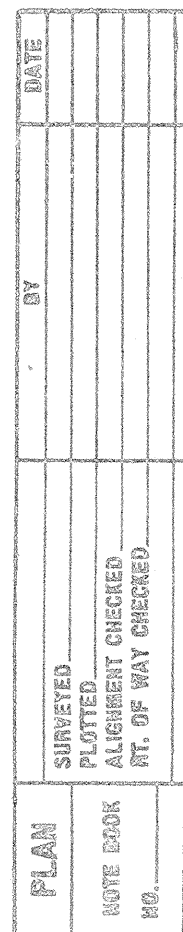
PROFILE	DATE	BY
DESIGNED		
PLOTTED		
NOTE BOOK		
NO.		



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Frank J. Doye
Signature

Sheet No. 10 of 11 Sheets

E CURVE DATA			E/P DATA
(A)	(B)	(C)	(D)
L = 25° 42' 55"	61° 53'	4° 28' 23"	30° 00' 00"
φ _B = 11° 51' 51.5"	30° 56' 30"	28° 18' 11.5"	45° 00' 00"
R = 500'	356.61'	458.366'	60.00'
T = 104.37'	213.76'	176.34	60.00'
C = 206.45'	366.71'	352.42	84.85'
L ₀ = 206.99'	355.16'	352.51'	34.25'
α = 0.075 #/ft	0.10 #/ft		



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Frank J. Doyle
Signature