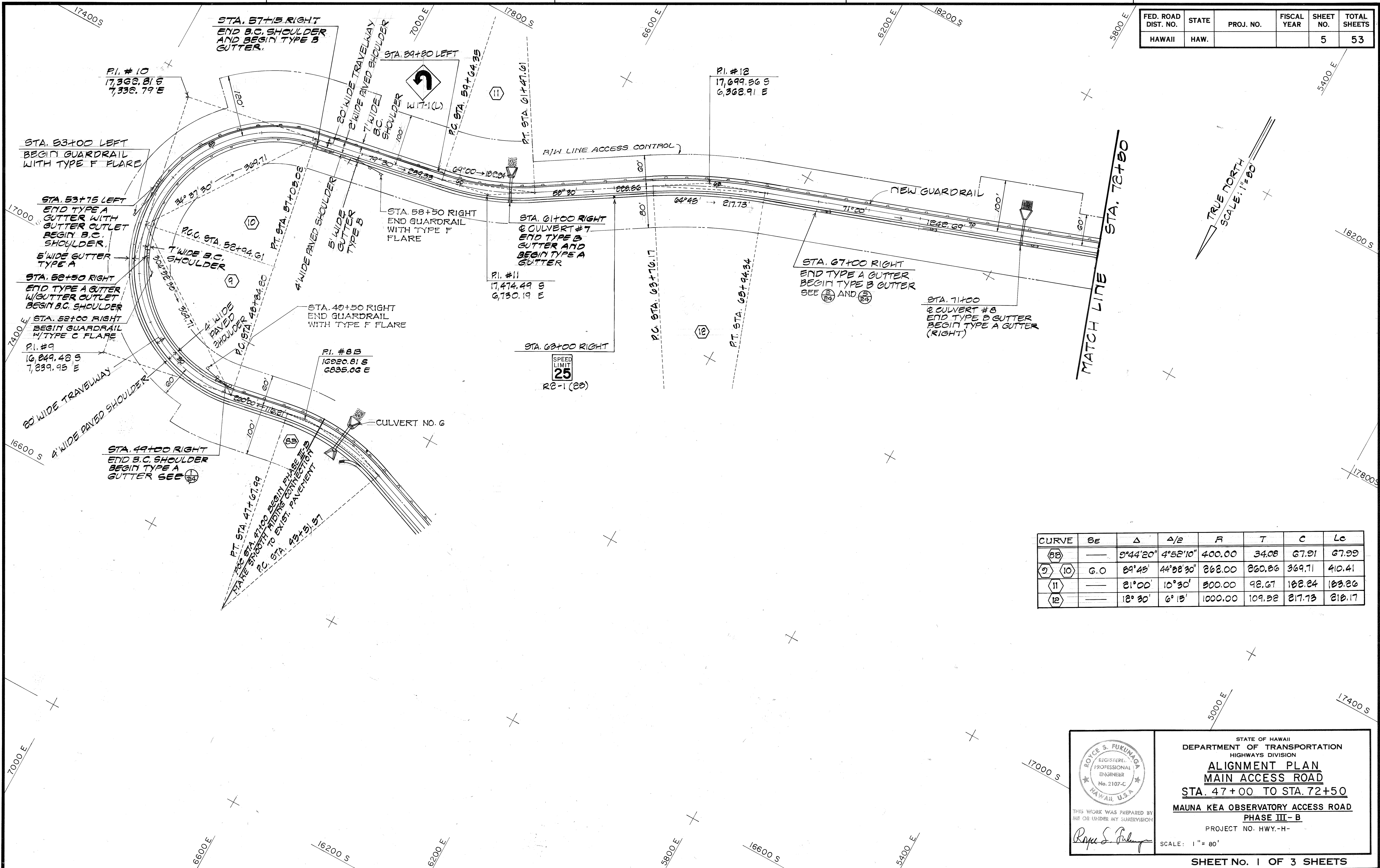


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.			5	53



CURVE	SE	Δ	Δ/2	R	T	C	Lc
(8B)	—	3°44'20"	4°52'10"	400.00	34.08	67.91	67.99
(9) (10)	G.O	89°45'	44°52'30"	262.00	260.86	369.71	410.41
(11)	—	21°00'	10°30'	500.00	92.67	182.24	183.26
(12)	—	12°30'	6°15'	1000.00	109.52	217.73	218.17

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

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

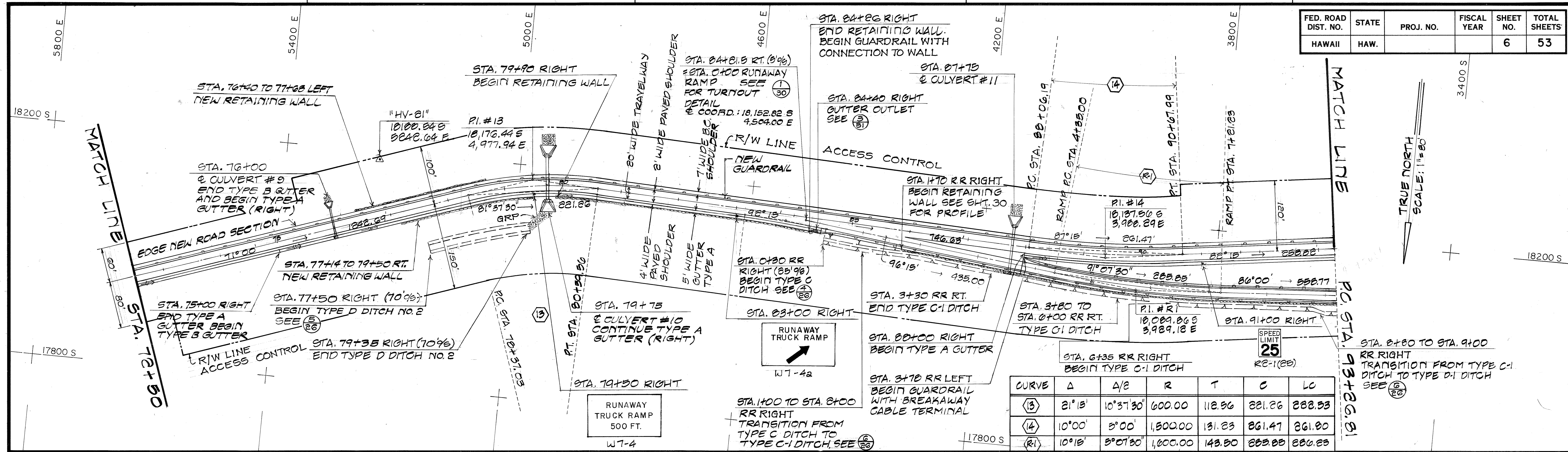
Royce S. Fukunaga

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

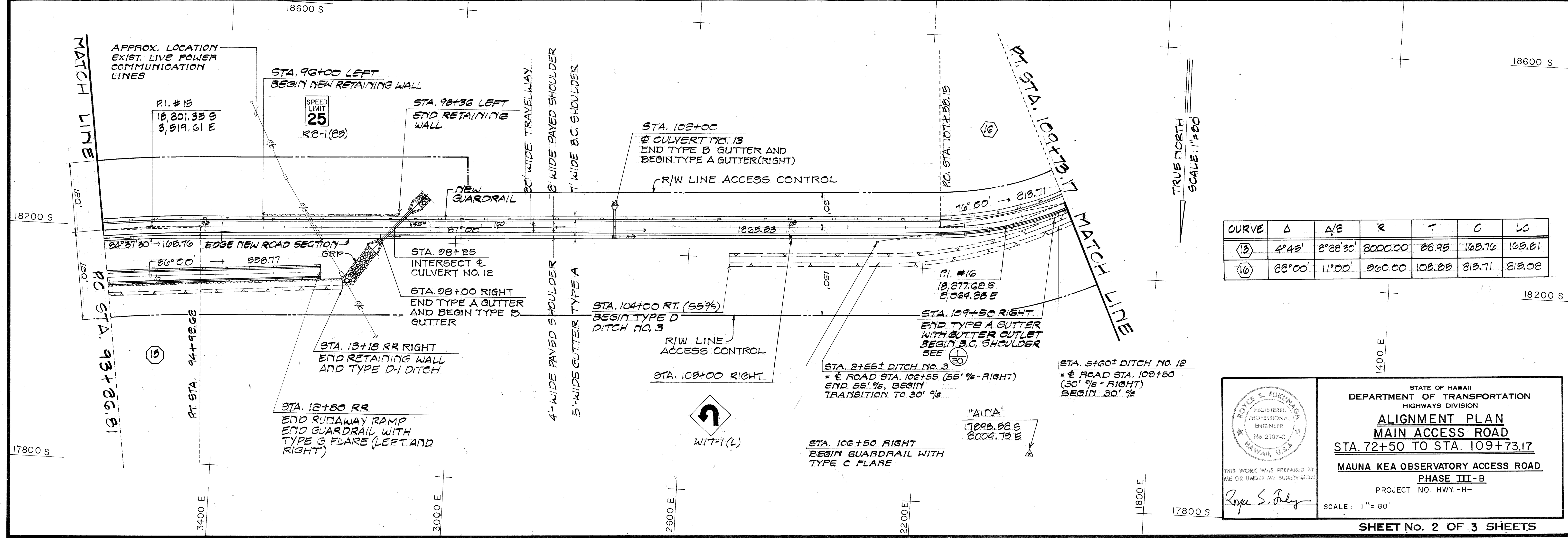
ALIGNMENT PLAN
MAIN ACCESS ROAD
STA. 47+00 TO STA. 72+50
MAUNA KEA OBSERVATORY ACCESS ROAD
PHASE III-B
PROJECT NO. HWY.-H-

SCALE: 1" = 80'

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.			6	53



CURVE	Δ	A/E	R	T	C	LC
(13)	21°15'	10°37'30"	600.00	112.96	221.26	222.53
(14)	10°00'	5°00'	1,500.00	131.23	261.47	261.20
(15)	10°15'	5°07'30"	1,600.00	143.50	283.22	280.23



CURVE	Δ	A/E	R	T	C	LC
(15)	4°45'	2°22'30"	2000.00	22.95	103.76	103.21
(16)	22°00'	11°00'	500.00	103.23	213.71	213.02

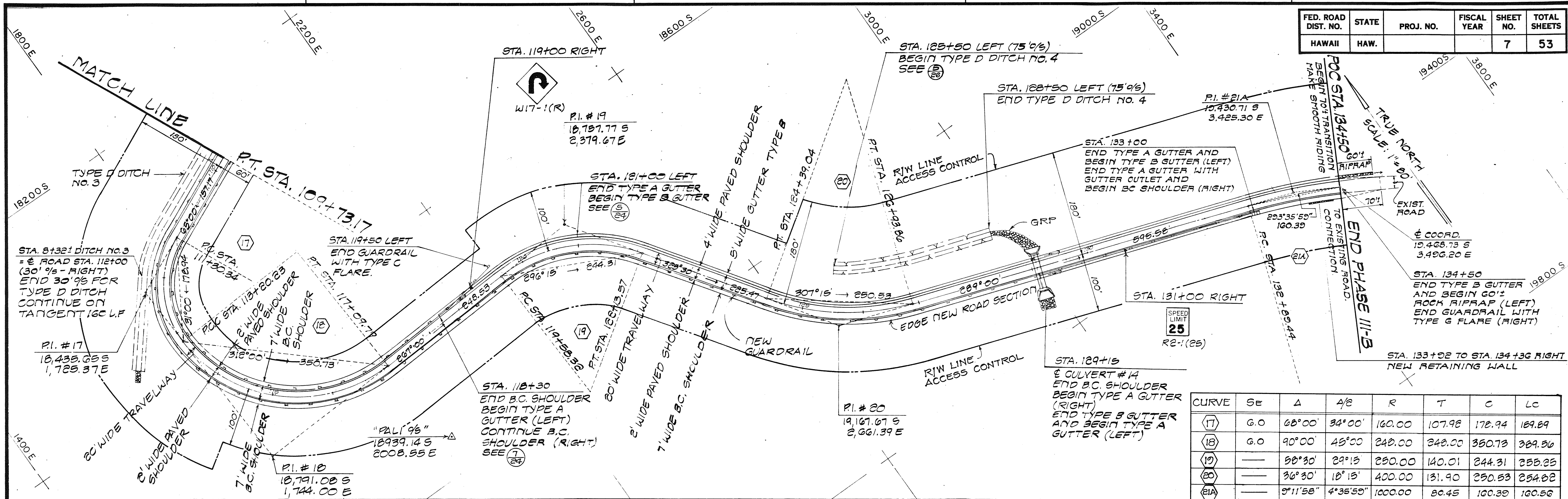
SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ALIGNMENT PLAN
MAIN ACCESS ROAD
STA. 72+50 TO STA. 109+73.17
MAUNA KEA OBSERVATORY ACCESS ROAD
PHASE III - B
PROJECT NO. HWY.-H-
SCALE: 1" = 80'

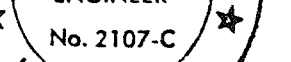
SHEET NO. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.			7	53



CURVE	SE	Δ	A/B	R	T	C	LC
(17)	G.O	68°00'	34°00'	160.00	107.98	178.94	189.89
(18)	G.O	90°00'	45°00'	240.00	340.00	350.73	389.56
(19)	—	90°30'	29°15'	250.00	140.01	244.31	255.25
(20)	—	90°30'	10°15'	400.00	131.90	250.53	254.82
(21A)	—	9°11'58"	4°35'55"	1000.00	80.45	160.39	160.56

ORIGINAL PLAN	SURVEY PLOTTED BY _____ DATE _____
NOTE BOOK	DRAWN BY _____
	TRACED BY _____
	DESIGNED BY _____
	QUANTITIES BY _____
	CHECKED BY _____
No. _____	_____

	STATE OF HAWAII
	DEPARTMENT OF TRANSPORTATION
	HIGHWAYS DIVISION
	<u>ALIGNMENT PLAN</u>
	<u>MAIN ACCESS ROAD</u>
	<u>STA. 109+73.17 TO STA. 134+50</u>
	<u>MAUNA KEA OBSERVATORY ACCESS ROAD</u>
	<u>PHASE III-B</u>
	PROJECT NO. HWY - H
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION	
	
SCALE 1" = 40'	
SHEET NO. 3 OF 3 SHEETS	