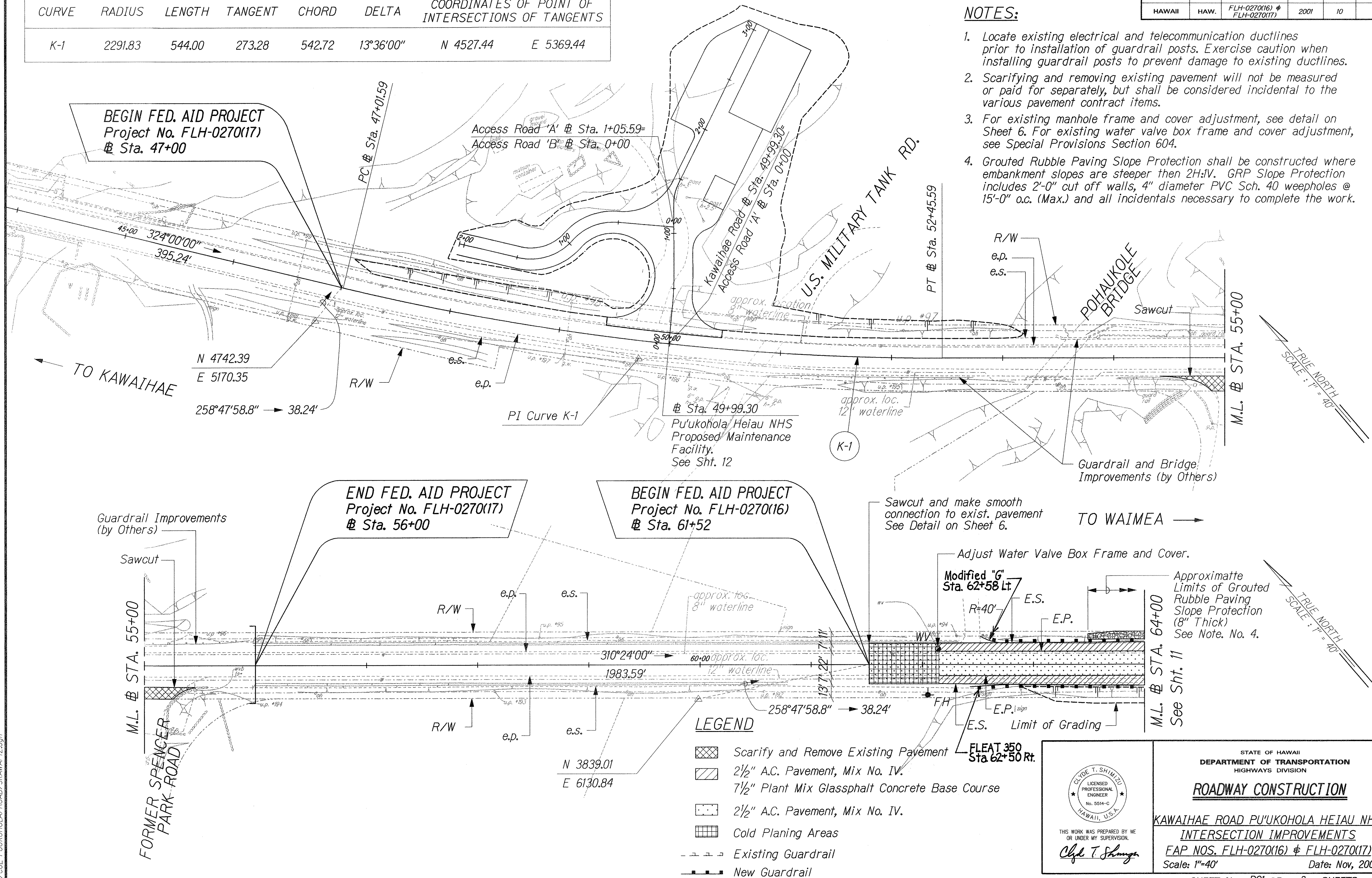


CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTIONS OF TANGENTS	
K-1	2291.83	544.00	273.28	542.72	13°36'00"	N 4527.44	E 5369.44

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-0270(16) & FLH-0270(17)	2001	10	41

NOTES:

1. Locate existing electrical and telecommunication ductlines prior to installation of guardrail posts. Exercise caution when installing guardrail posts to prevent damage to existing ductlines.
2. Scarifying and removing existing pavement will not be measured or paid for separately, but shall be considered incidental to the various pavement contract items.
3. For existing manhole frame and cover adjustment, see detail on Sheet 6. For existing water valve box frame and cover adjustment, see Special Provisions Section 604.
4. Grouted Rubble Paving Slope Protection shall be constructed where embankment slopes are steeper than 2H:1V. GRP Slope Protection includes 2'-0" cut off walls, 4" diameter PVC Sch. 40 weepholes @ 15'-0" o.c. (Max.) and all incidentals necessary to complete the work.



SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
DATE	

J:\COE-PUKOHOLA\ROAD\3KAWA17.dgn

CLYDE T. SHINGUZ
LICENSED PROFESSIONAL ENGINEER
No. 9514-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Clyde T. Shinguz

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

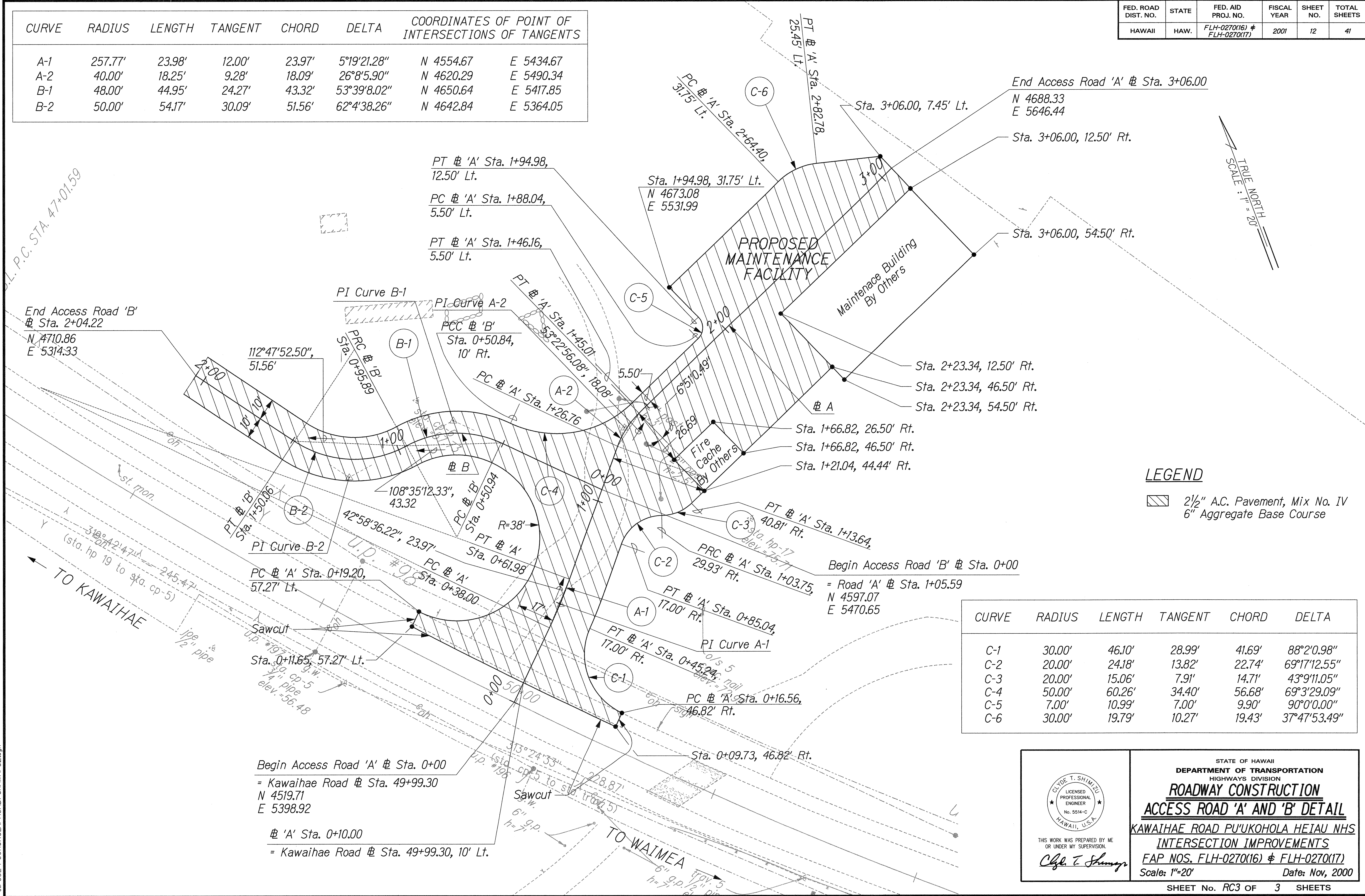
ROADWAY CONSTRUCTION

KAWAIHAE ROAD PU'UKOHOLA HEIAU NHS
INTERSECTION IMPROVEMENTS
FAP NOS. FLH-0270(16) & FLH-0270(17)
Scale: 1"=40' Date: Nov, 2000

SHEET No. RC1 OF 3 SHEETS

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA	COORDINATES OF POINT OF INTERSECTIONS OF TANGENTS	
A-1	257.77'	23.98'	12.00'	23.97'	5°19'21.28"	N 4554.67	E 5434.67
A-2	40.00'	18.25'	9.28'	18.09'	26°8'5.90"	N 4620.29	E 5490.34
B-1	48.00'	44.95'	24.27'	43.32'	53°39'8.02"	N 4650.64	E 5417.85
B-2	50.00'	54.17'	30.09'	51.56'	62°4'38.26"	N 4642.84	E 5364.05

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	FLH-0270(16) & FLH-0270(17)	2001	12	41



LEGEND

2 1/2" A.C. Pavement, Mix No. IV
6" Aggregate Base Course

CURVE	RADIUS	LENGTH	TANGENT	CHORD	DELTA
C-1	30.00'	46.10'	28.99'	41.69'	88°2'0.98"
C-2	20.00'	24.18'	13.82'	22.74'	69°17'12.55"
C-3	20.00'	15.06'	7.91'	14.71'	43°9'11.05"
C-4	50.00'	60.26'	34.40'	56.68'	69°3'29.09"
C-5	7.00'	10.99'	7.00'	9.90'	90°0'0.00"
C-6	30.00'	19.79'	10.27'	19.43'	37°47'53.49"

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

Clyde T. Shimizu

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY CONSTRUCTION

ACCESS ROAD 'A' AND 'B' DETAIL

KAWAIHAE ROAD PU'UKOHOLA HEIAU NHS
INTERSECTION IMPROVEMENTS

FAP NOS. FLH-0270(16) & FLH-0270(17)

Scale: 1"=20' Date: Nov, 2000

SHEET No. RC3 OF 3 SHEETS