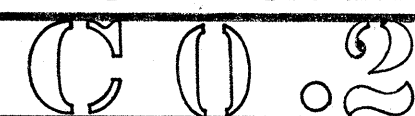
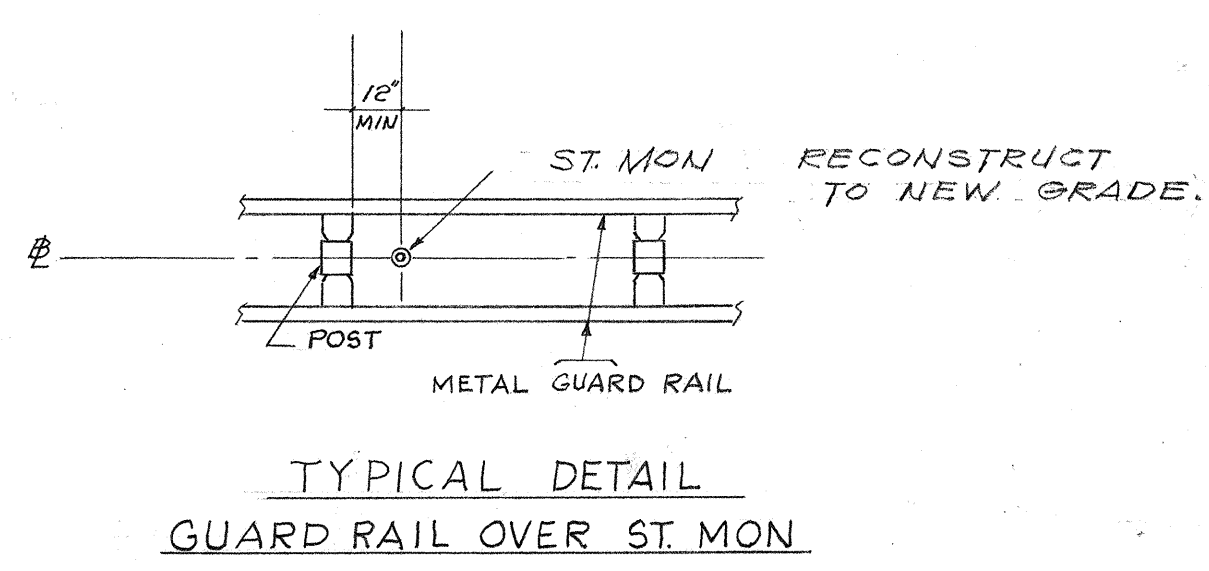
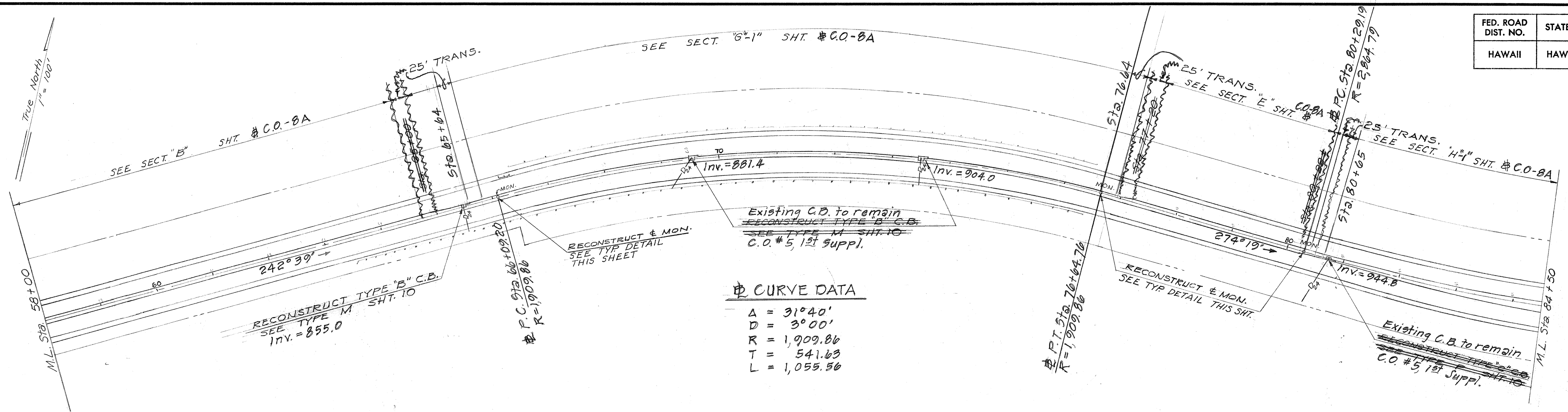


ORIGINAL PLAN	SURVEY PLOTTED BY.....	DATE.....
NOTE BOOK	DRAWN BY.....	".....
	TRACED BY.....	".....
	DESIGNED BY.....	".....
	QUANTITIES BY.....	".....
No.	CHECKED BY.....	".....



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(4)	1969	C03	16

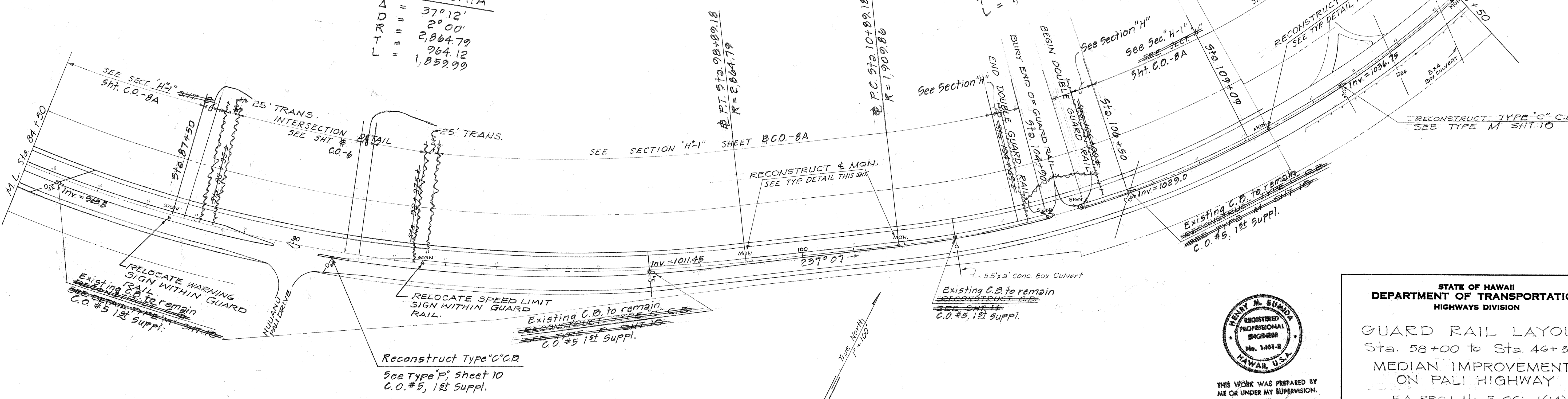


CURVE DATA

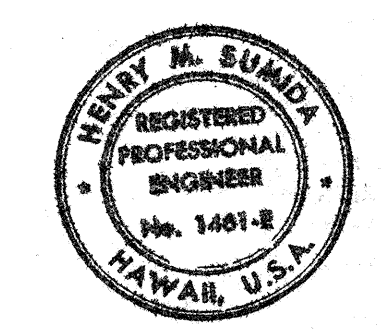
Δ	37°12'
DD	2°00'
TT	2,864.79
LL	964.12
L	1,852.99

CURVE DATA

Δ	36°00'
DD	3°00'
TT	1,909.86
L	1,200.00



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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 Henry M. Sumida

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

GUARD RAIL LAYOUT
 Sta. 58+00 to Sta. 46+37.82
 MEDIAN IMPROVEMENTS
 ON PALI HIGHWAY
 F.A. PROJ. No. F-061-1(14)
 Scale: As Noted

SHEET No. 2 OF 4 SHEETS

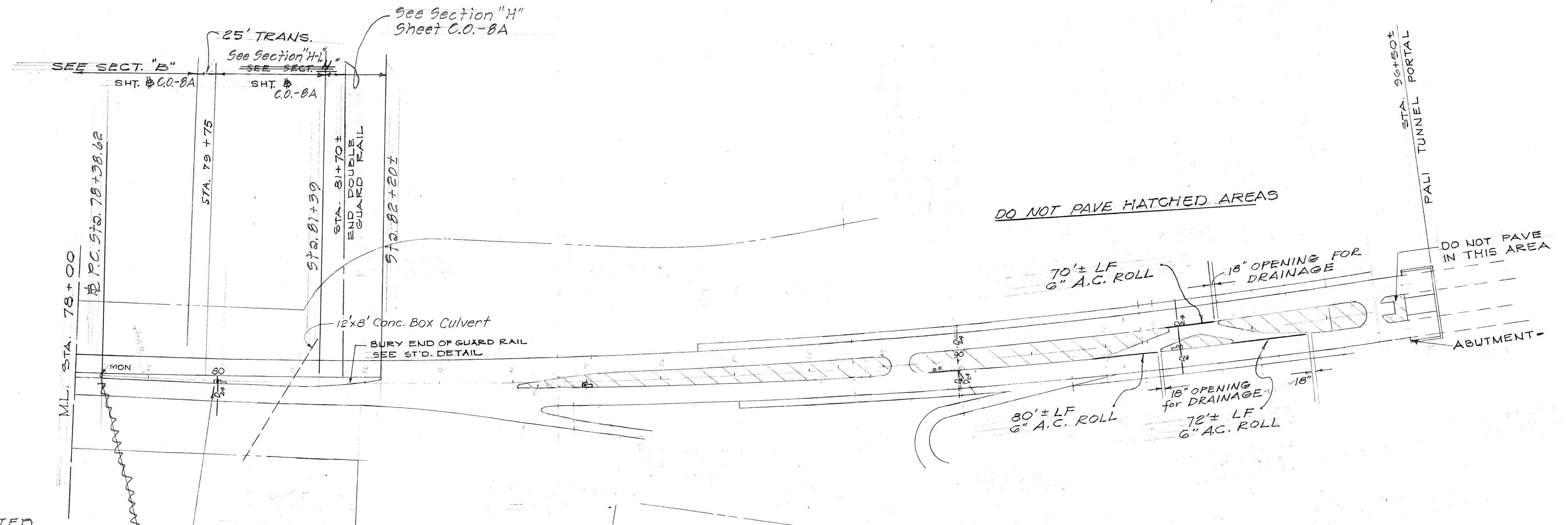
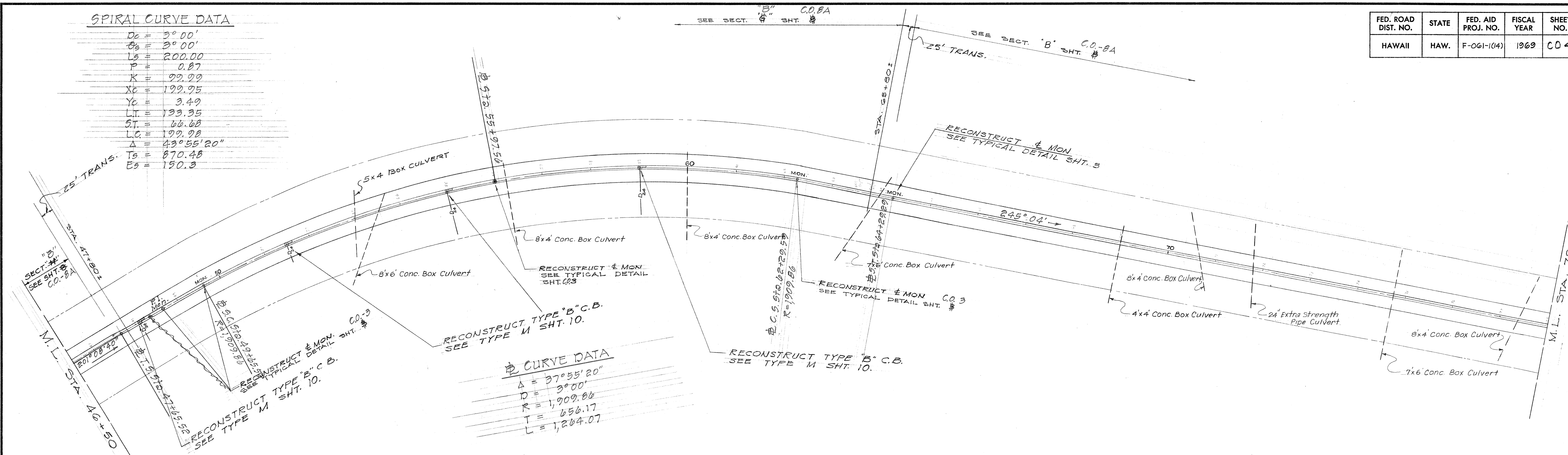
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(14)	1969	C04	16

SPIRAL CURVE DATA

$D_c = 3^\circ 00'$
 $D_s = 3^\circ 00'$
 $L_s = 200.00$
 $P = 0.87$
 $K = 22.22$
 $X_c = 192.95$
 $Y_c = 3.49$
 $LIT = 133.35$
 $ST = 66.68$
 $LIC = 192.98$
 $A = 43^\circ 55' 20"$
 $T_s = 870.48$
 $E_s = 150.3$

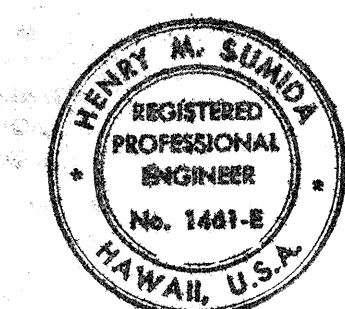
CURVE DATA

$A = 37^\circ 55' 20"$
 $D = 3^\circ 00'$
 $R = 1,909.86$
 $T = 656.17$
 $L = 1,264.07$



SURVEYED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
NO.	

DELETED
 RECONSTRUCT & MON
 SEE TYPICAL DETAIL
 SHT. 10
 Could not locate in field
 Existing C.B. to remain
 RECONSTRUCT TYPE "C" C.B.
 SEE TYPE "P" SHT. 10
 Modify top slab only
 C.O. #5, 1st Suppl.

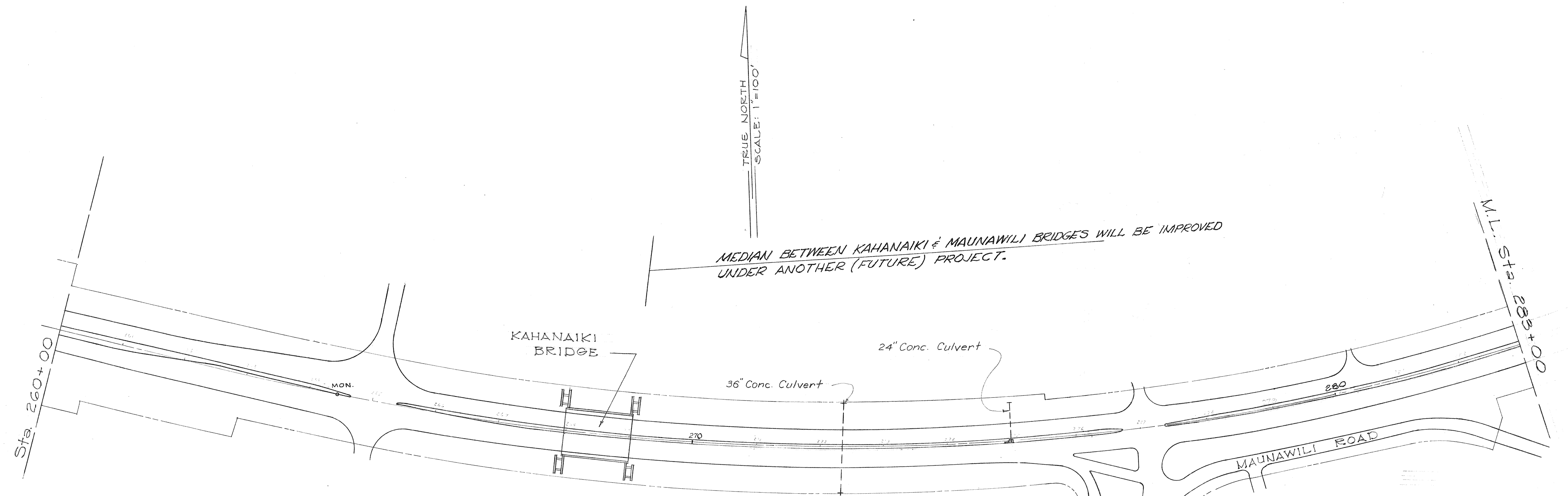


THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION.
 [Signature]

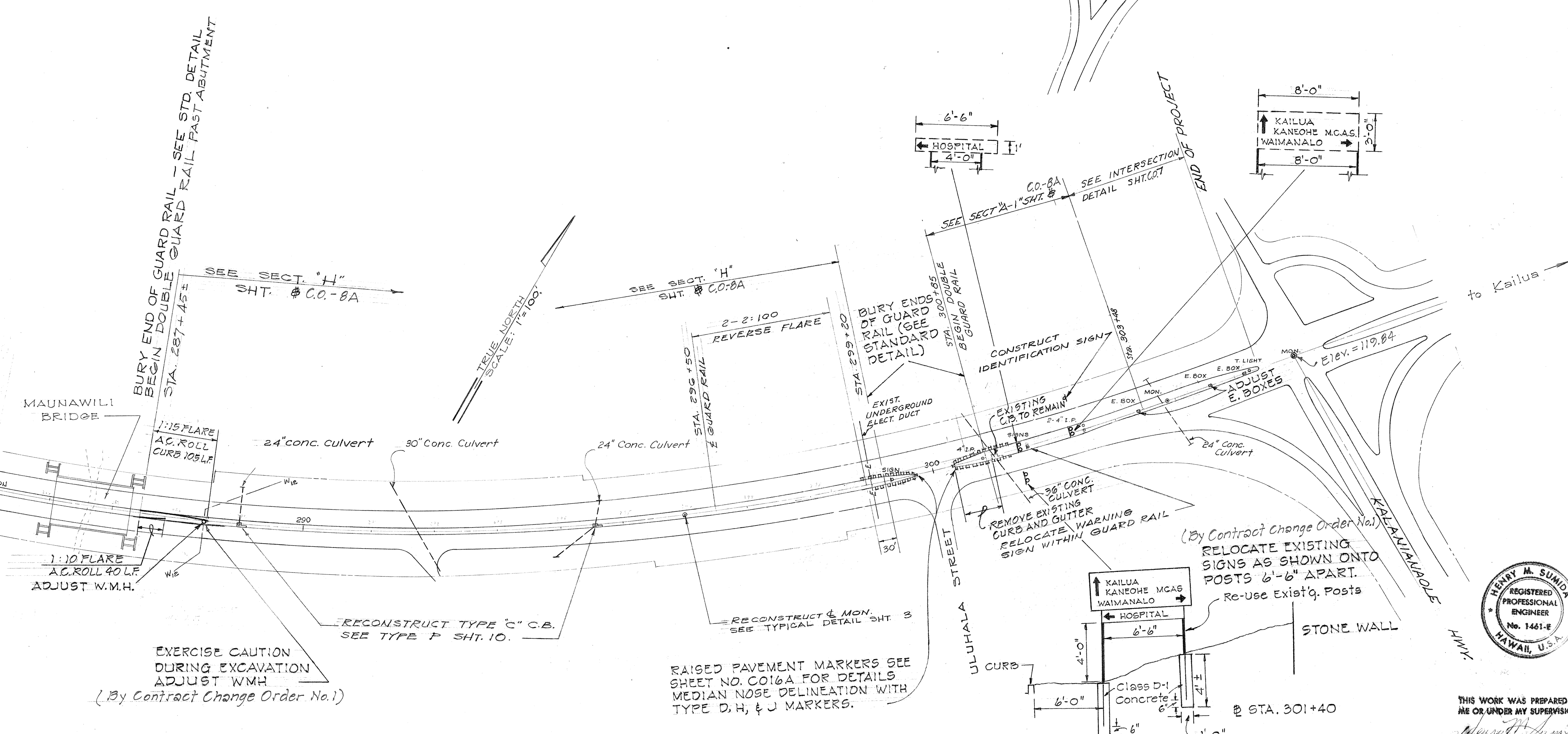
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
 GUARD RAIL LAYOUT
 Sta. 46+37.82 to Sta. 96+50
 MEDIAN IMPROVEMENTS
 ON PALI HIGHWAY
 F.A. PROJ. No. F-061-1(14)
 Scale: As Noted
 SHEET No. 3 OF 4 SHEETS

July 3, 1969
 (C) (D) 0.4

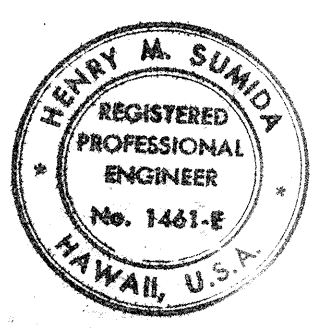
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-061-1(14)	1969	005	16



MEDIAN BETWEEN KAHANAIKI & MAUNAWILI BRIDGES WILL BE IMPROVED UNDER ANOTHER (FUTURE) PROJECT.



SURVEY PLOTTED BY	DATE
DRAWN BY	
REVIEWED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

GUARD RAIL LAYOUT
Sta. 260+00 to Sta. 306+00
MEDIAN IMPROVEMENTS
ON PALI HIGHWAY
F.A. PROJ. No. F-061-1(14)

Scale: As NOTED

SHEET No. 4 OF 4 SHEETS

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.