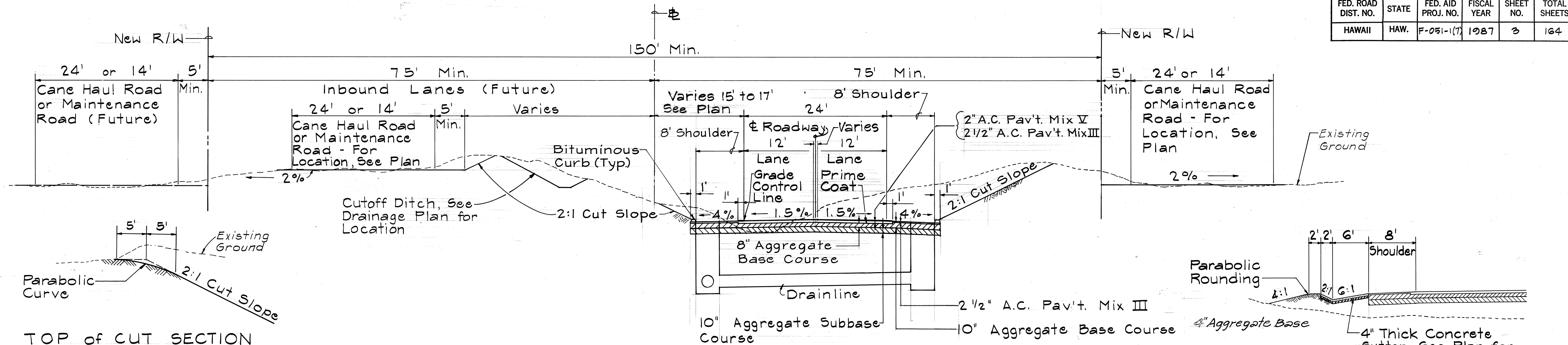
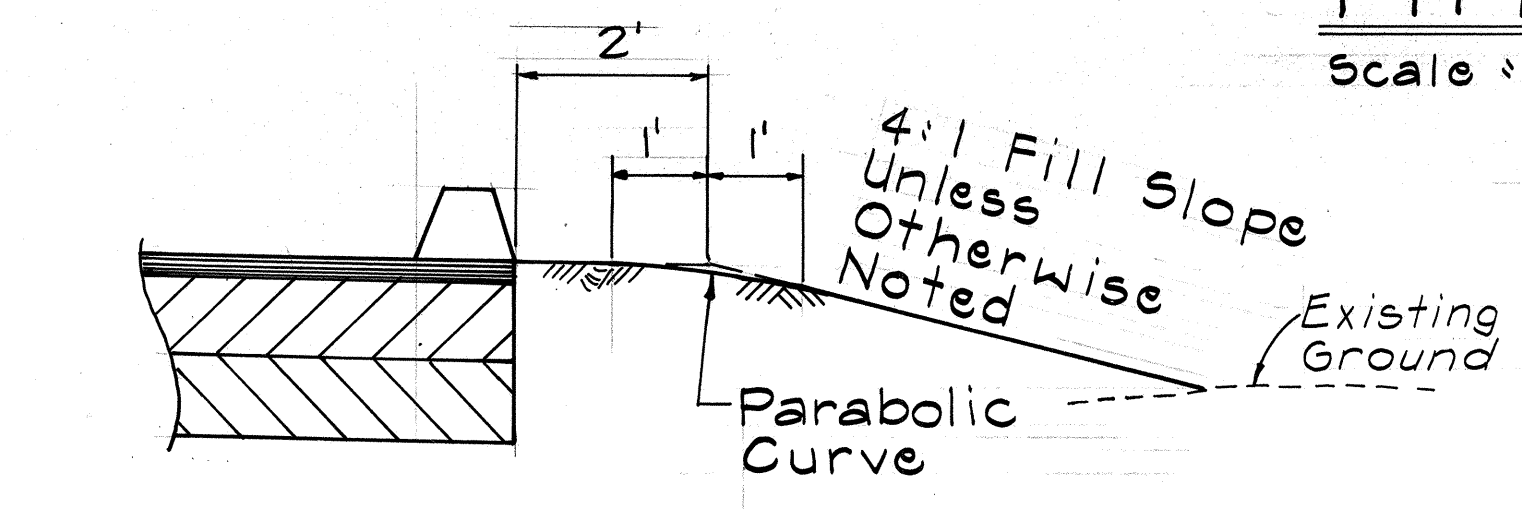


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-1(7)	1987	3	164



TYPICAL CUT SLOPE SECTION ON TANGENT
Scale: 1/8" = 1'-0"

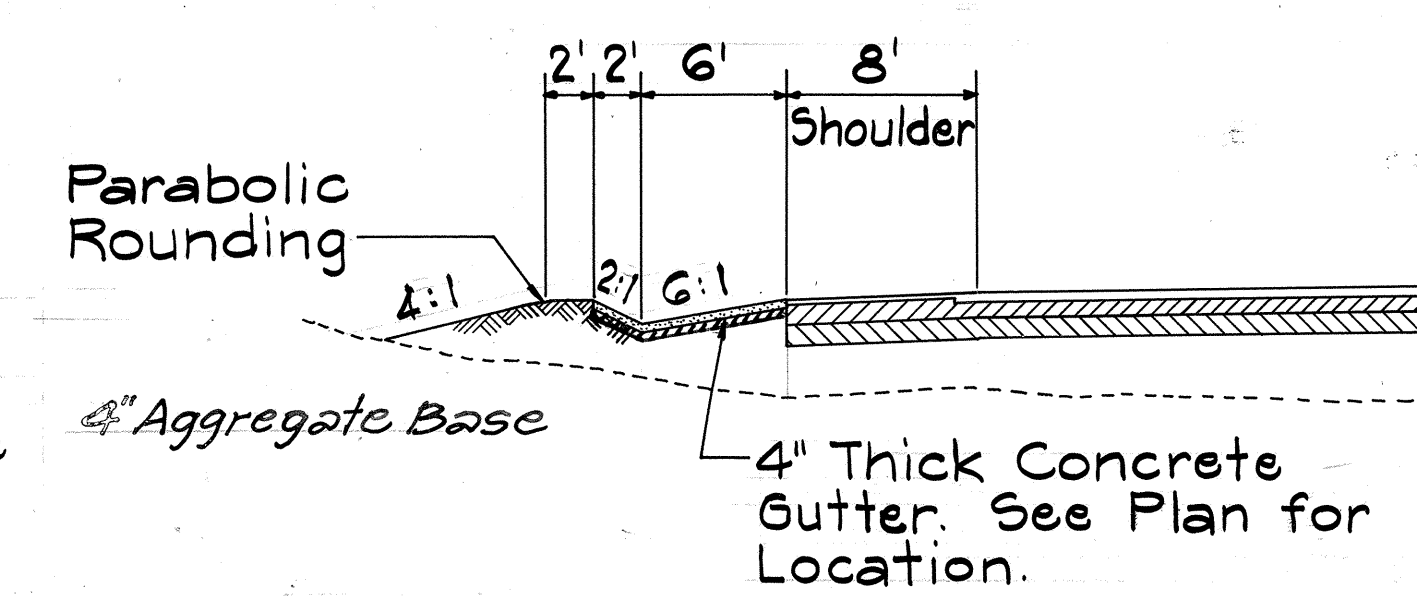
TOP of CUT SECTION
Scale: 1/8" = 1'-0"



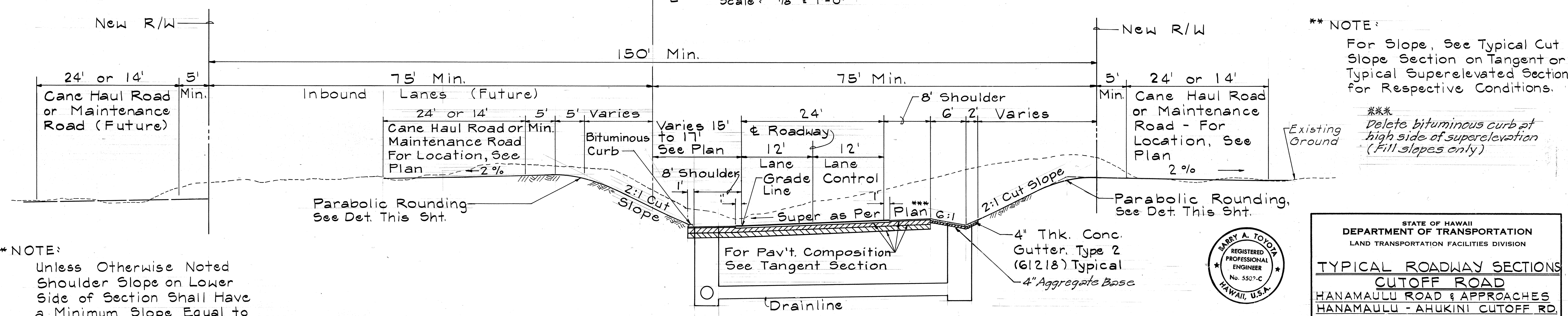
TOP of FILL SECTION
Scale: 1/2" = 1'-0"

PARABOLIC ROUNDING DETAIL

TYPICAL GUTTER SECTION IN FILL CONDITION
Scale: 1/8" = 1'-0"



TYPICAL FILL SLOPE ON TANGENT AND SUPERELEVATED SECTIONS
Scale: 1/8" = 1'-0"



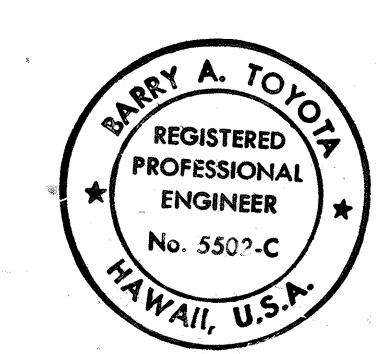
TYPICAL CUT SLOPE ON SUPERELEVATED SECTIONS
Scale: 1/8" = 1'-0"

*** NOTE: Unless Otherwise Noted Shoulder Slope on Lower Side of Section Shall Have a Minimum Slope Equal to That of Tangent Section or Super Elevation Slope Whichever is Greater.

*** NOTE: For Slope, See Typical Cut Slope Section on Tangent or Typical Superelevated Section for Respective Conditions.

*** Delete bituminous curb at high side of superelevation (Fill slopes only)

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



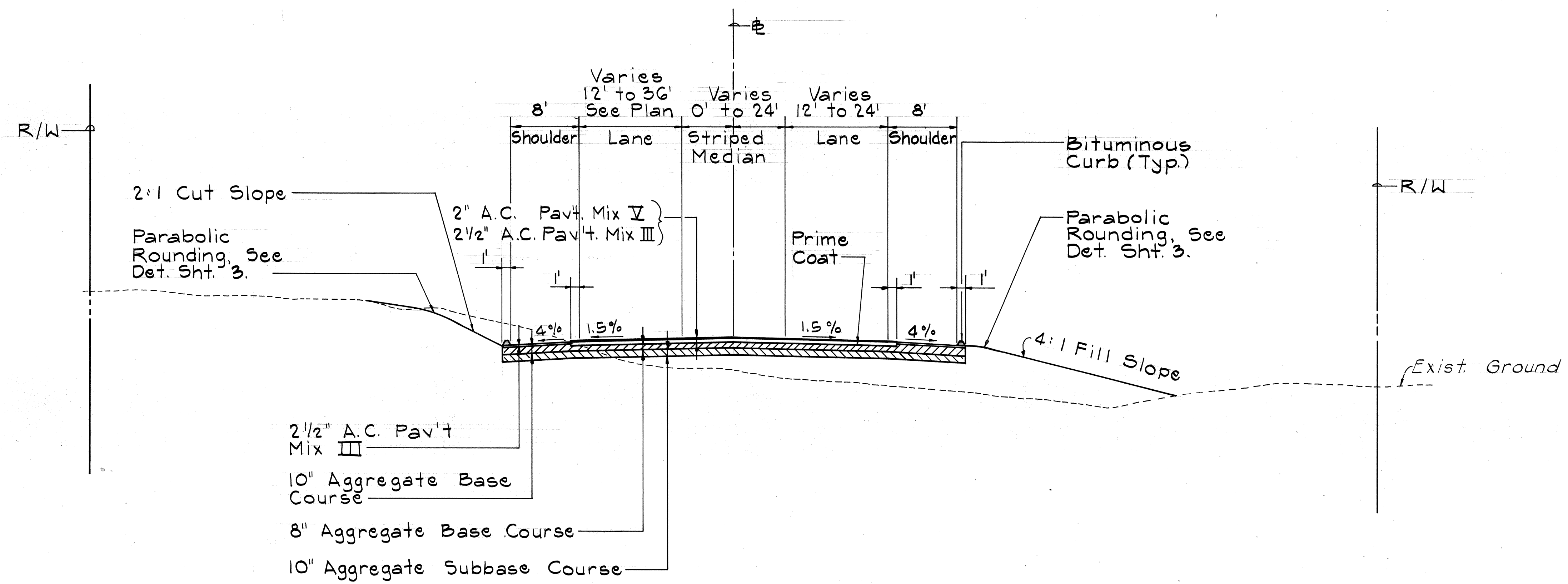
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Signature: Barry A. Toyota

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION

TYPICAL ROADWAY SECTIONS
CUTOFF ROAD
HANAMAULU ROAD & APPROACHES
HANAMAULU - AHUKINI CUTOFF RD.
(Ahukini Road To Kauai Hardwoods)
Federal Aid Proj. No. F-051-1(7)
Scale: As Shown Date: Aug., 1986

SHEET NO. 1 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-1(7)	1987	4	164



TYPICAL ROADWAY SECTION @ STA. 59+00 TO 70+76.66
 Scale: 1/8" = 1'-0"

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

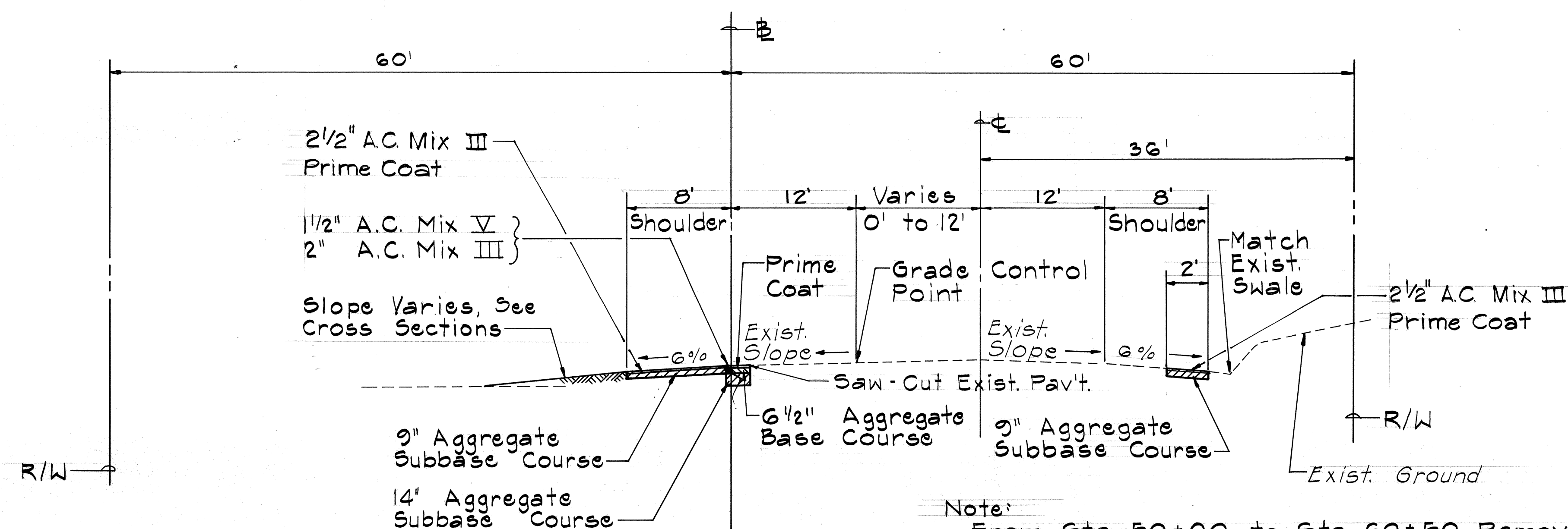
BARRY A. TOYOTA
 REGISTERED PROFESSIONAL ENGINEER
 No. 5502-C
 HAWAII, U.S.A.
 THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
[Signature]
 Date: Aug. 1986

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 LAND TRANSPORTATION FACILITIES DIVISION

TYPICAL ROADWAY SECTION
@ STA. 59+00 TO 70+76.66
 HANAMAULU ROAD & APPROACHES
 HANAMAULU - AHUKINI CUTOFF RD.
 (Ahukini Road To Kauai Hardwoods)
 Federal Aid Proj. No. F-051-1(7)
 Scale: As Shown Date: Aug. 1986

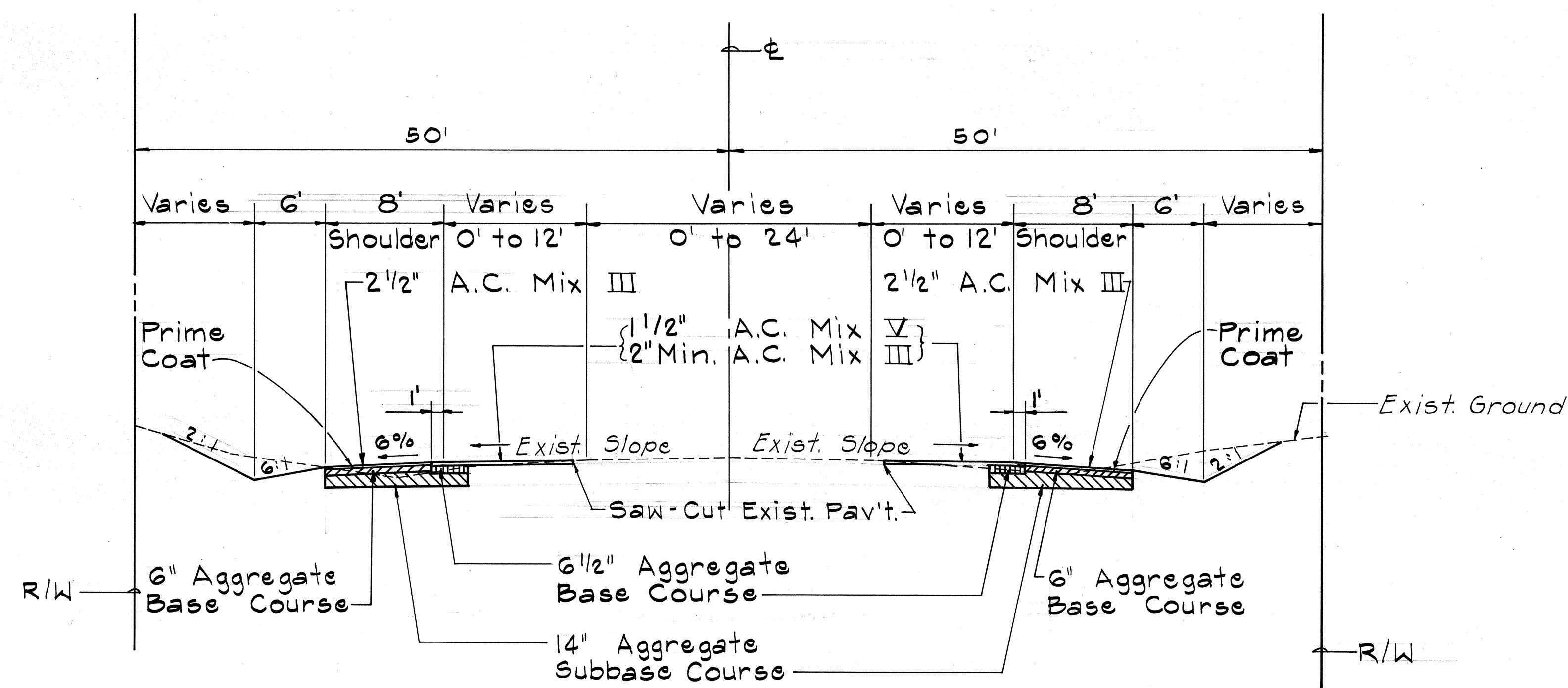
SHEET No. 2 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-1(7)	1987	5	164



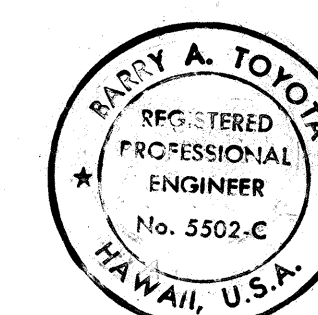
Note:
From Sta. 50+00 to Sta. 60+50 Remove
Exist. Pavement Structure and Provide New
Pavement Structure. See Pavement Grades Sht. 21 & 22
Similar to that of Typical Roadway Section.
Base Line Sta. 59+00 to 70+76.66 (Add. #1)

TYPICAL AHUKINI ROAD WIDENING SECTION (from Sta. 47+31.70 to Sta. 50+00 and Sta. 60+50 to 65+20.60)
NTS



TYPICAL KAPULE HIGHWAY WIDENING SECTION (from Sta. 45+30 to Sta. 54+50.97)
NTS

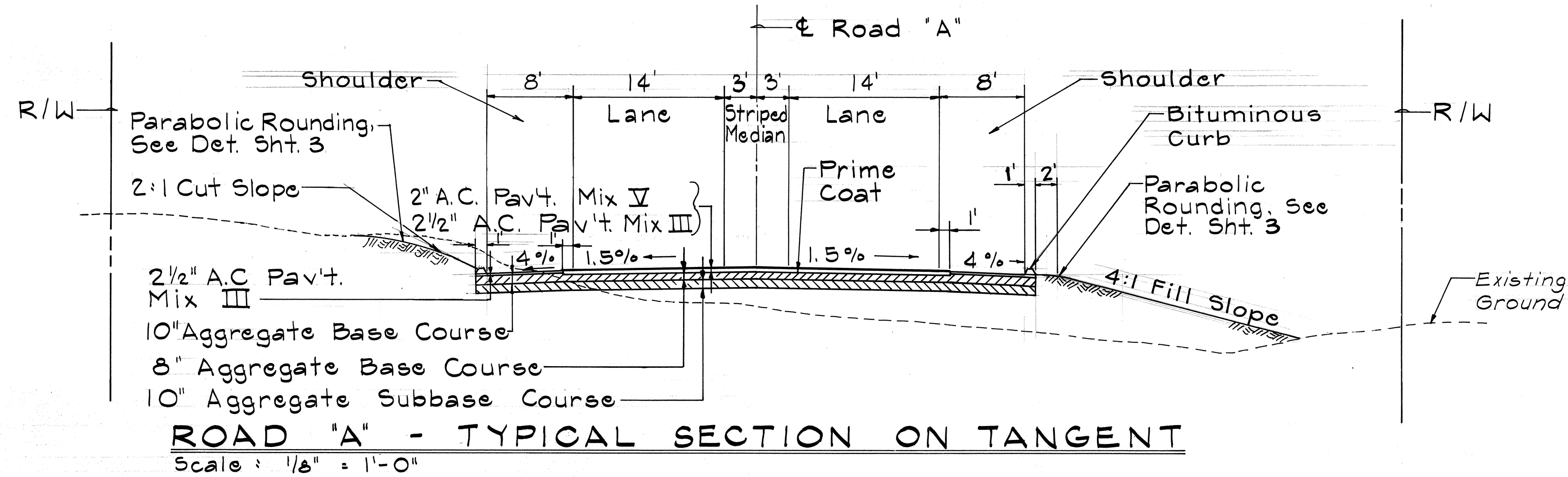
ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
Signature: Barry A. Tokola 8/86

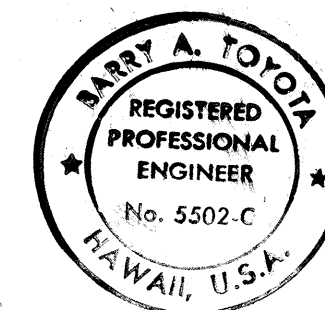
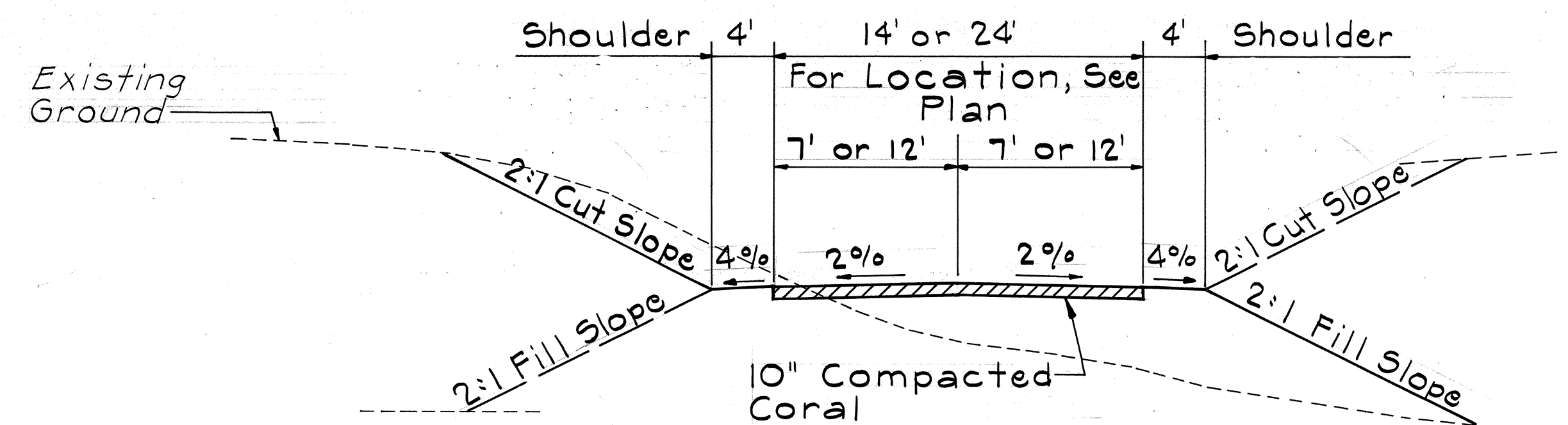
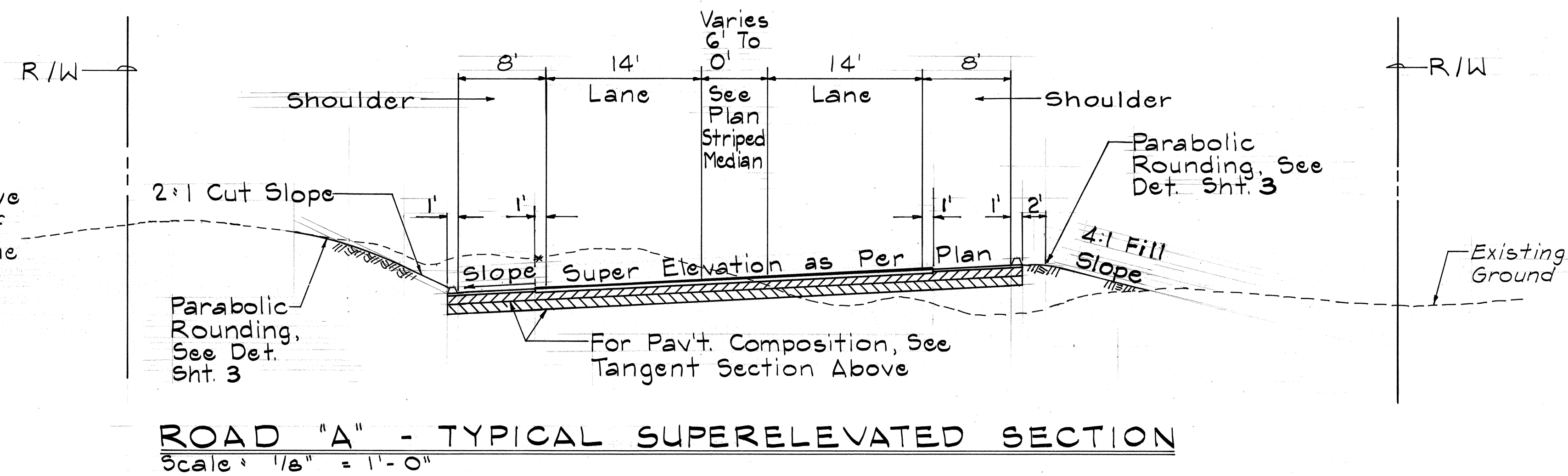
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
LAND TRANSPORTATION FACILITIES DIVISION
TYPICAL ROAD WIDENING SECT.
AHUKINI RD. & KAPULE HWY.
HANAMAULU ROAD & APPROACHES
HANAMAULU-AHUKINI CUTOFF RD.
(Ahukini Road To Kaula Hardwoods)
Federal Aid Proj. No. F-051-1(7)
Scale: As Shown Date: Aug. 1986
SHEET NO. 3 OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F-051-1(7)	1987	6	164



***NOTE:**

Shoulder Slope on Lower Side of Section Shall Have a Slope Equal to that of the Tangent Section or the Super Elevation Slope, Whichever is Greater.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Signature: Harry A. Toyota Date: 8/25/86

STATE OF HAWAII	
DEPARTMENT OF TRANSPORTATION	
LAND TRANSPORTATION FACILITIES DIVISION	
TYPICAL ROADWAY SECTIONS	
RD. "A", CANE HAUL & MAINT RDS	
HANAMAULU ROAD & APPROACHES	
HANAMAULU - AHUKINI CUTOFF RD.	
(Ahukini Road To Kauai Hardwoods)	
Federal Aid Proj. No. F-051-1(7)	
Scale: As Shown	Date: Aug. 1986
SHEET No. 4 OF 4 SHEETS	

ORIGINAL PLAN	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
DATE	