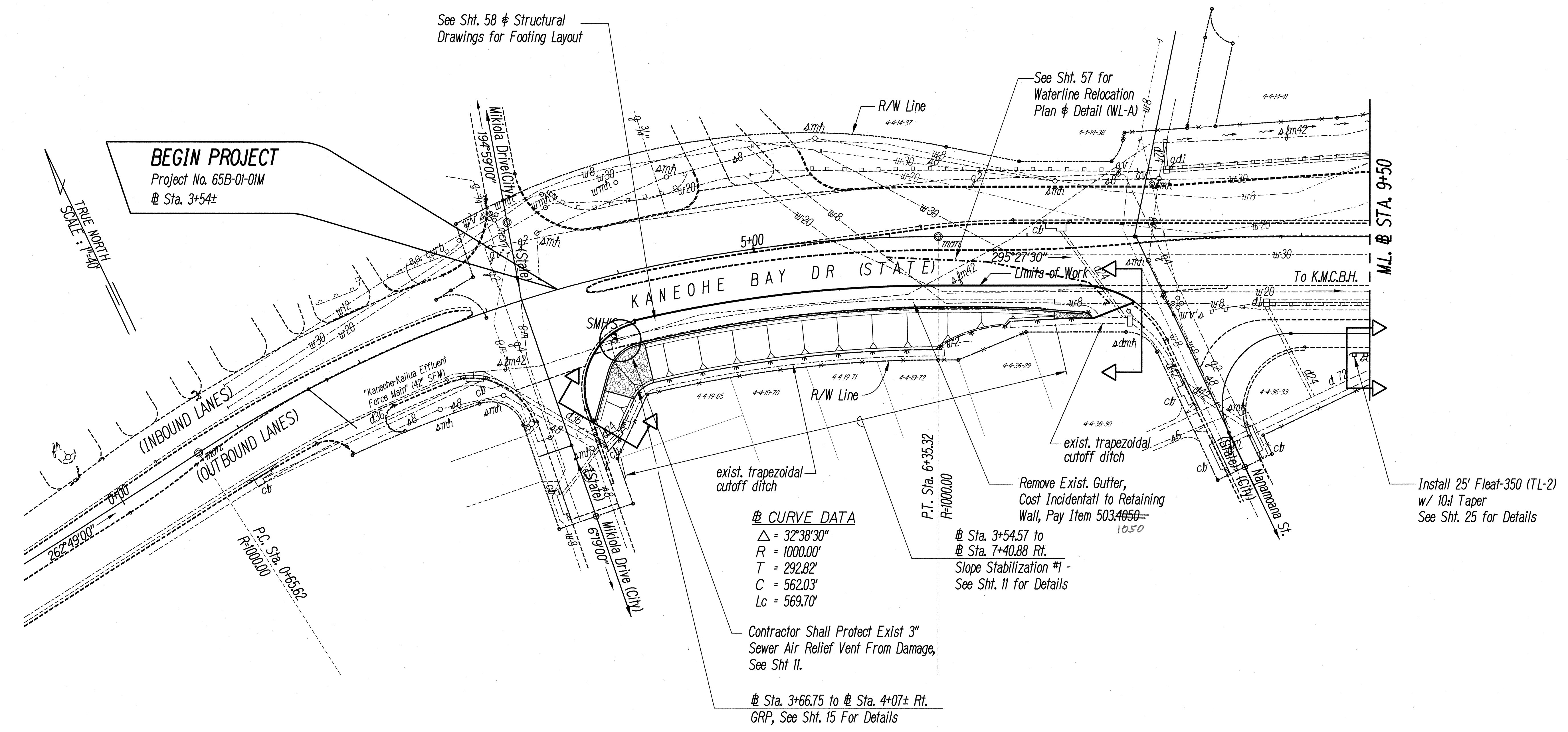


- NOTES:
1. See Electrical Plans for Electrical Work.
 2. Contractor Shall Remove All Accumulated Debris Approximately 3' Min. Behind Existing Guardrail and Approximately 5' Min. Behind End Treatments. Cost Shall Be Considered Incidental To New Guardrail.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65B-01-01M	2001	8	58



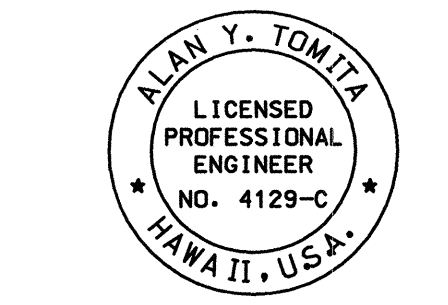
Approved:

Wayne Lalemuwa 5/15/01
Chief, Wastewater Branch, DPP Date

Catharine R. Dunne 5/16/01
for Leader, Maintenance Unit, BWS Date

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN	No.
NOTE BOOK	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
Sta. 3+54± to # Sta. 9+50

MOKAPU SADDLE ROAD SLOPE STABILITY
Vicinity of Mikioia Dr. to Kahinani Place
Project No. 65B-01-01M

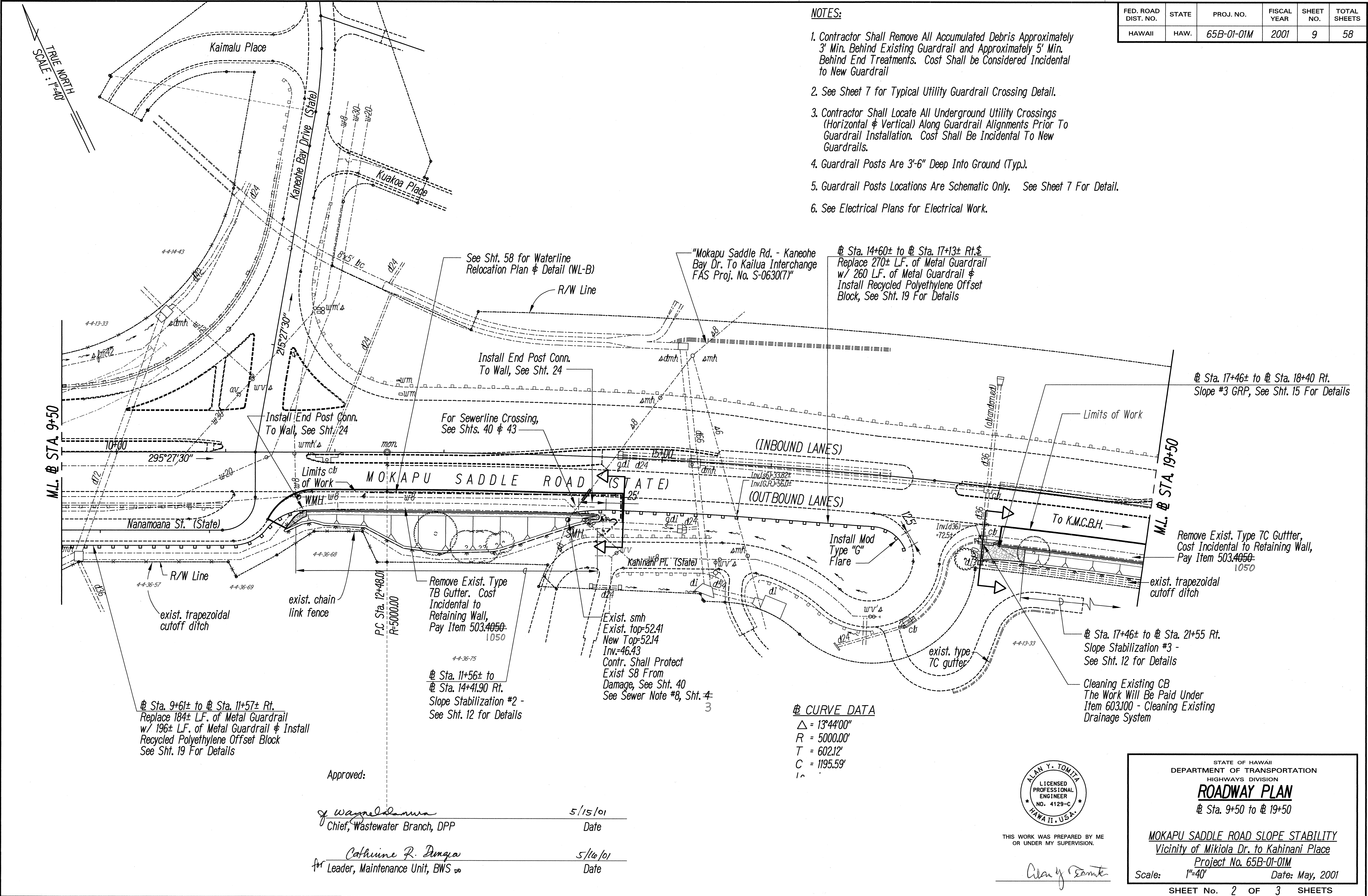
Scale: 1"=40' Date: May, 2001

SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65B-01-01M	2001	9	58

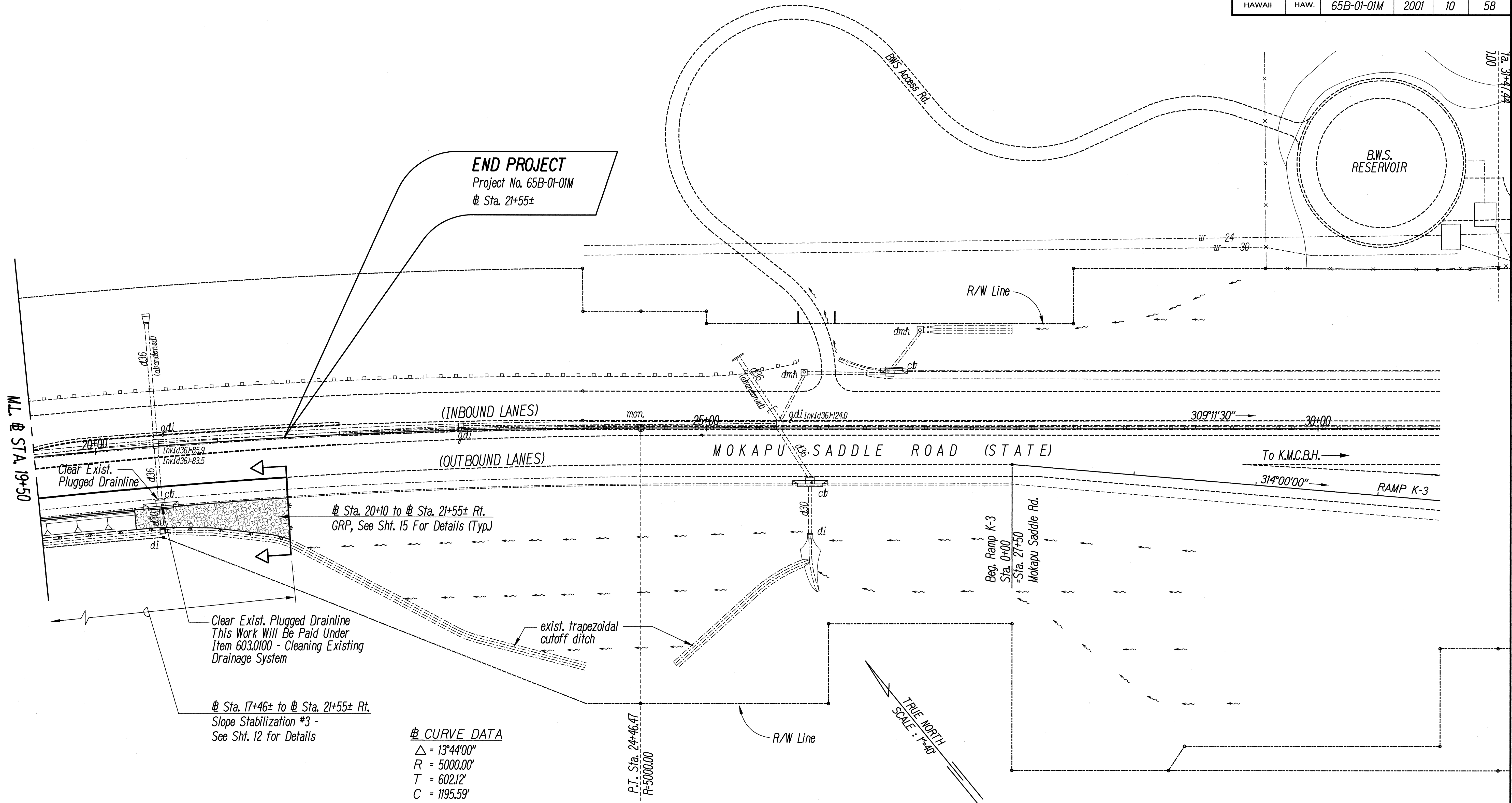
NOTES:

- Contractor Shall Remove All Accumulated Debris Approximately 3' Min. Behind Existing Guardrail and Approximately 5' Min. Behind End Treatments. Cost Shall be Considered Incidental to New Guardrail
- See Sheet 7 for Typical Utility Guardrail Crossing Detail.
- Contractor Shall Locate All Underground Utility Crossings (Horizontal & Vertical) Along Guardrail Alignments Prior To Guardrail Installation. Cost Shall Be Incidental To New Guardrails.
- Guardrail Posts Are 3'-6" Deep Into Ground (Typ.).
- Guardrail Posts Locations Are Schematic Only. See Sheet 7 For Detail.
- See Electrical Plans for Electrical Work.



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY		
NOTED BY		
CHECKED BY		

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	65B-01-01M	2001	10	58



END PROJECT
 Project No. 65B-01-01M
 @ Sta. 21+55±

M.L. @ STA. 19+50

(INBOUND LANES)
 (OUTBOUND LANES)

MOKAPU SADDLE ROAD (STATE)

To K.M.C.B.H.
 314°00'00"
 RAMP K-3

Clear Exist. Plugged Drainline
 d36
 Inv. d36 = 85.2
 Inv. d36 = 83.5

@ Sta. 20+10 to @ Sta. 21+55± Rt.
 GRP, See Sht. 15 For Details (Typ.)

Clear Exist. Plugged Drainline
 This Work Will Be Paid Under
 Item 603.0100 - Cleaning Existing
 Drainage System

@ Sta. 17+46± to @ Sta. 21+55± Rt.
 Slope Stabilization #3 -
 See Sht. 12 for Details

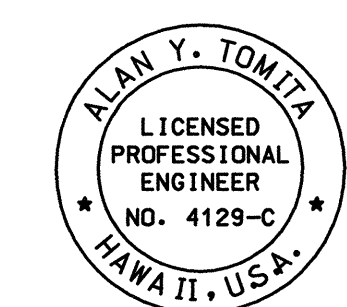
CURVE DATA
 $\Delta = 13^{\circ}44'00''$
 $R = 5000.00'$
 $T = 602.12'$
 $C = 1195.59'$
 $Lc = 1198.46'$

P.T. Sta. 24+46.47
 R=5000.00

TRUE NORTH
 SCALE: 1"=40'

NOTE:
 See Electrical Plans for Electrical Work.

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



THIS WORK WAS PREPARED BY ME
 OR UNDER MY SUPERVISION.

Alan Y. Tomita

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
@ Sta. 19+50 to @ 21+55±

MOKAPU SADDLE ROAD SLOPE STABILITY
Vicinity of Mikiola Dr. to Kahinani Place
Project No. 65B-01-01M

Scale: 1"=40' Date: May, 2001

SHEET No. 3 OF 3 SHEETS