FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(7):13 I-H3-1(2):8	1968	5	86

REVISED : June 23, 1969

GENERAL NOTES:

1. Origin of Azimuths and Coordinates is "Kailua Δ"
2. Whenever utilities are involved in construction, the Contractor shall contact the respective companies before proceeding with his work.
3. "◎" Denotes:
   Install Reference Survey Monument 4 feet from E.P at Sta. 629+00 and Sta. ~~636+84.46~~ 637+05.09

End Fence

Begin Ramp
Sta. 0+00
8627.38 N.
2412.78 E.

R/W and Control of Access Line.

Construct Standard Wire Fence with metal posts as shown

Mokapu Saddle Road
Sta. 27+50

R/W and Control of Access Line

TRUE NORTH
Scale: 1" = 50'

New BWS Access Road
See Sheet No. 16

MOKAPU SADDLE ROAD

314° 00'

309° 11' 30"

30+00

Existing BWS Reservoir

Existing Chain Link Fence

Existing 18" BWS Drain

KAPAA RESERVOIR

Begin Fence

Construct Standard Wire Fence with Metal Posts along R/W Line.

Approximate limit of poor, uncompacted material. Contractor shall remove material to the depths and limits specified by the engineer. This work shall be paid for under "Roadway Excavation."

CURVE DATA

2A		3A	
Δ	= 29° 16' 55"	Δ	= 77° 56'
R	= 75.00'	R	= 200.00'
T	= 19.59'	T	= 161.74'
L	= 38.33'	L	= 272.04'
		e	= 0.07 Ft./Ft.

Construct Standard Wire Fence with Metal Posts along R/W Line.

LIMIT OF F.A.I. PROJECT
No. I-H3-1(7):13
Mokapu Sta. 31+75

P.C. Sta. 31+47.44
℄ R = 1200'

B20.5

Top of cut

P.C. Sta. 4+93.90
℄ R = 200'

B16

Begin Metal Guardrail Flare at 6:40 ± Cut Extend Flare into Cut Slope and anchor end.

Ramp K-2 Sta. 2+74.43 = Ramp K-3 Sta. 7+65.94

K-3 Sta. 7+91.97

RAMP 6 K-3

3A

BEGIN F.A.I. PROJECT No. I-H3-1(7):13
℄ Sta. 628+50
7915.45 N
2857.82 E

Begin Fence

3+41.22

25'

31° 56' 00"

RAMP K-2

Ramp K-2 Sta. 2+23.87

Metal Guard Rail, L=255'
No Flare, No Anchor

Ramp K-2 Sta. 0+68.73

R=175'

Begin Ramp K-2
Sta. 0+00 =
Mokapu Saddle
Road Sta. 34+16.19

℄ Sta. 632+08.85 =
Mokapu Saddle
Road Sta. 35+18.80

Metal Guardrail

Match Line ℄ Sta. 635+00

50' Trans. to Bridge rail

50' Trans. to Bridge Rail

FUTURE CONSTRUCTION

INBOUND LANES

KAILUA INTERCHANGE

35+00

Metal Guard Rail with Rub Rail - L = 225'

625+00

630+00

214° 00' 00"

Interstate Route H-3 Baseline

Approximate Toe of fill at Beginning of Project

Metal Guard Rail with Rub Rail, L = 225'

OUTBOUND LANES

STRUCTURE (ABOVE)

Metal Guardrail

Const. Protective Mound
See Detail, Composite Sht. no. 17.

50' Trans. to Bridge Guardrail (For connection detail, see Plans for Kailua Interchange)

50' Trans. Guardrail

Access Road

Abandon Access Road
See Plans for New BWS Road.

Exist. 24" Water Main
(See Relocation Plans, sheet 28 and 29.)

MOKAPU SADDLE ROAD

218° 21' 00"

Begin Ramp K-1
Sta. 0+00 = H-3 ℄
Sta. 623+18.54

Ramp K-1 P.C. Sta. 4+22.47 ℄ R = 450'

Begin Construction Ramp K-1 Sta. 5+34.00

Match Line Ramp K-1 Sta. 6+00

0 50 100 150
Scale in Feet

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN OF ROADWAY
℄ Sta. 628+50 to 635+00

F.A.I. Proj. No. I-H3-1(7):13, I-H3-1(2):8
Scale: As Shown Date: Jan. 1968

SHEET No. 1 OF 8 SHEETS

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

5.0 SS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(7)13 I-H3-1(2)8	1968	6	86

Revised: June 23, 1969

New B.W.S. Reservoir Access Road
See Sheet 16.

Existing BWS Reservoir

CURVE DATA

B-3	B-3A	B-3B
Δ = 27° 34' 00"		
R = 5000'		
T = 1226.58'		
L = 2405.65'		
e = 0.028		

Exist. Obstruction Light Pole to remain

265.00'

TRUE NORTH
Scale: 1" = 50'

Terminate circuit at this pole. All work to terminate the electrical circuit shall be done by personnel of the Kaneohe Marine Corps Air Station. The Contractor shall notify the Station Public Works Engineer in writing at least seven (7) days in advance of removing any poles or wires on this circuit.

END OF F.A.I. PROJECT No. I-H3-1(7):13
℄ Sta. 642+00
9048.89 N
3590.21 E

End Fence

Top of Cut

End of Construction
℄ Sta. 649+00 ±

Approximate limit of poor, uncompacted material. Contractor shall remove material to the depths and limits specified by the engineer. This work shall be paid for under "Roadway Excavation."

NOTE: Survey Reference Monument at Station G36+04.46 shifted to Station G37+05.09, 4 feet offset Inbound Right Edge of Pavement.

R/W and Control of Access Line.

18" Pipe Drain to remain

℄ Sta. G36+63.93

℄ Sta. G37+05.09

Toe of fill

200.00'
115.00'

Exist. Obstruction Light Pole. (Abandon)

Construct Standard Wire Fence with Metal Poets As Shown

Future Construction

645+00

Match Line ℄ Sta. G35+00

℄ Sta. G36+84.46

Outbound Lanes

Inbound Lane

Begin Flare at Sta. G35+65

214° 00' 00"

℄

B-3B

INBOUND LANES

B-3

640+00

Interstate Route H-3 Baseline

B-3A

OUTBOUND LANES

24' 10'

22'

4'

Varies

24'

Extend Flare into Cut Slope & Anchor

Metal Guardrail

Construct Protective Mound. See Detail Sht No. 17

Begin Flare at Sta. G40+75

Extend Flare into Cut Slope & Anchor.

Toe of Fill

270.00'
235.00'

235.00'
180.00'

125.00'

240.00'

Exist. Obstruction Light Pole. (Abandon)

Top of Cut

End Fence

359° E

Begin Fence

Construct Standard Wire Fence with Metal Posts As Shown

R/W and Control of Access Line.

9000 N

0 50 100 150
Scale in Feet

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

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

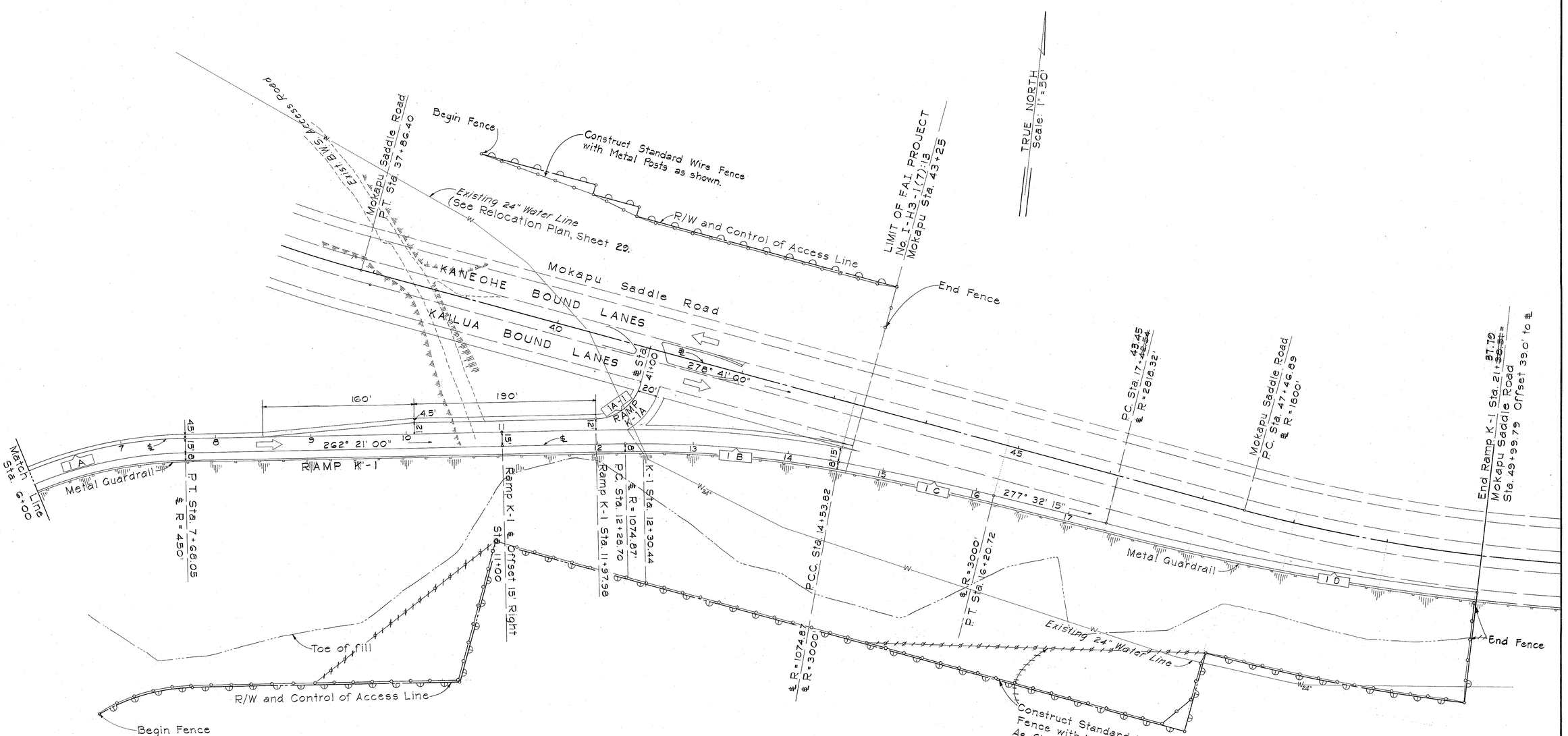
PLAN OF ROADWAY
℄ Sta. 635+00 to 642+00

F.A.I. Proj. No. I-H3-1(7):13, I-H3-1(2):8
Scale: As Shown Date: Jan. 1968

SHEET No. 2 OF 8 SHEETS

6.0 S9

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(7):13 I-H3-1(2):8	1968	7	86



CURVE DATA

CURVE	Δ	R	T	L	e
1 A	44° 00'	450.00'	181.81'	345.58'	0.045 Ft/Ft
1 B	12° 00'	1074.87'	112.97'	225.12'	0.035 Ft/Ft
1 C	3° 11' 15"	3000.00'	83.17'	166.90'	0.020 Ft/Ft
1 D	~~2° 55' 00"~~	~~3635.39'~~	~~92.40'~~	~~185.34'~~	———
	~~2° 03' 00"~~	~~2818.32'~~	~~50.31'~~	~~100.67'~~	———
1A - 1	73° 40' 00"	50.00'	37.45'	64.29'	———

Scale in Feet: 0 50 100 150

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN OF RAMP K-1

F.A.I. Proj. No. I-H3-1(7):13, I-H3-1(2):8
Scale: As Shown Date: Jan. 1968

SHEET No. 3 OF 8 SHEETS

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

57 90

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(7)::18 I-HB-1(8):8	1968	8	86

FINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, TEMPLATE, AREAS, LINES CHECKED, NO., BY, DATE

ORIGINAL SURVEY — SURVEYED, PLOTTED, NOTE BOOK, TEMPLATE, AREAS, LINES CHECKED, NO., BY, DATE

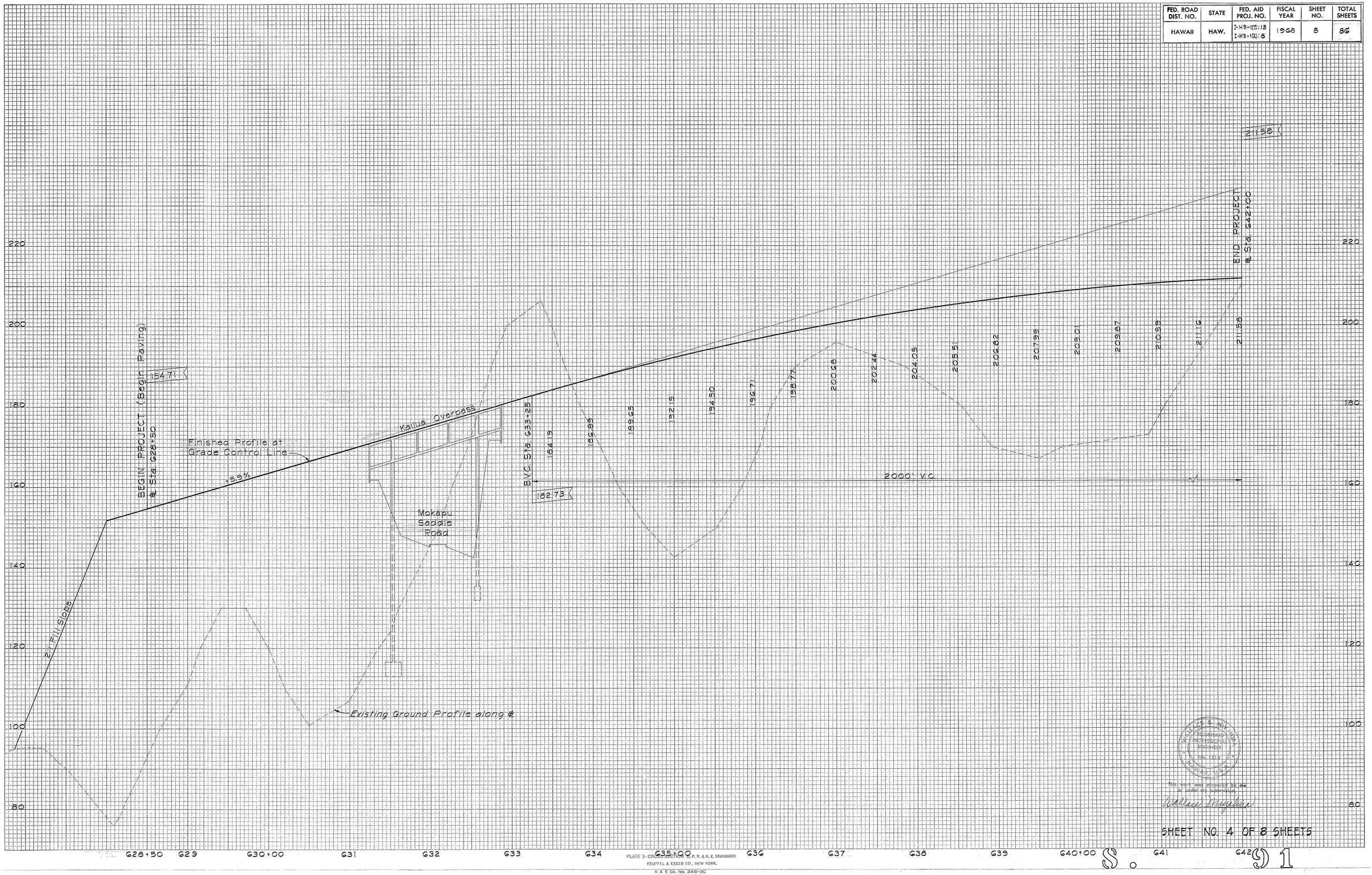


PLATE 3 - CROSS SECTION P. R. & R. E. STANDARD
REUFFEL & ESSER CO., NEW YORK.
K & E Co. No. 346-30
"HORIZONTAL" TRACING CLOTH
25045

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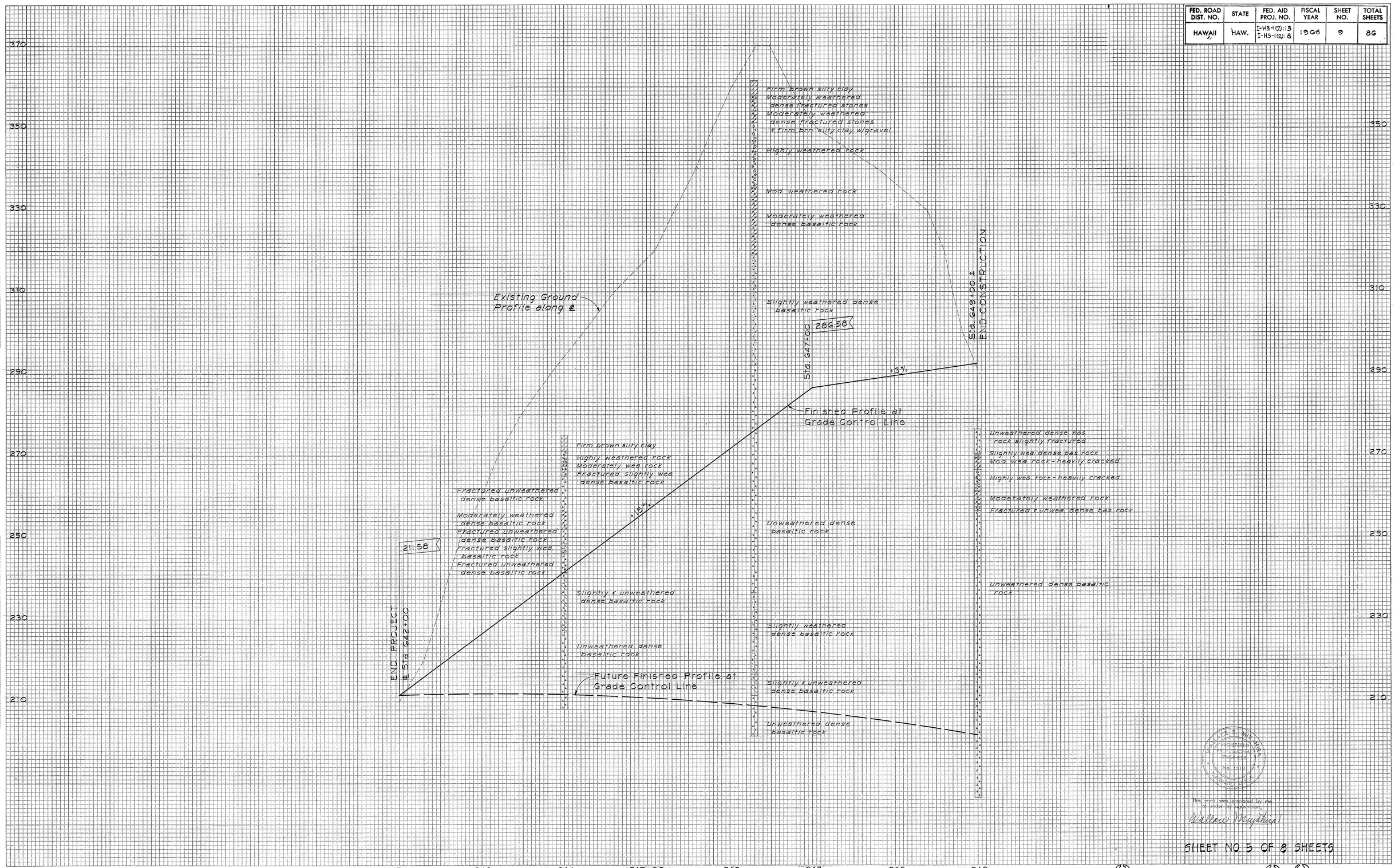
SHEET NO. 4 OF 8 SHEETS

S. 91

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(7):13 I-H3-1(2): 8	1966	9	86

FINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE

ORIGINAL SURVEY
NOTE BOOK
NO.
SURVEYED
PLOTTED
TEMPLATE
AREAS
AREAS CHECKED
BY
DATE



CUTS AND CROSS SECTION O. P. R. & R. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E Co. No. 346-30

REGISTERED PROFESSIONAL ENGINEER
No. 1212

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William Murphy

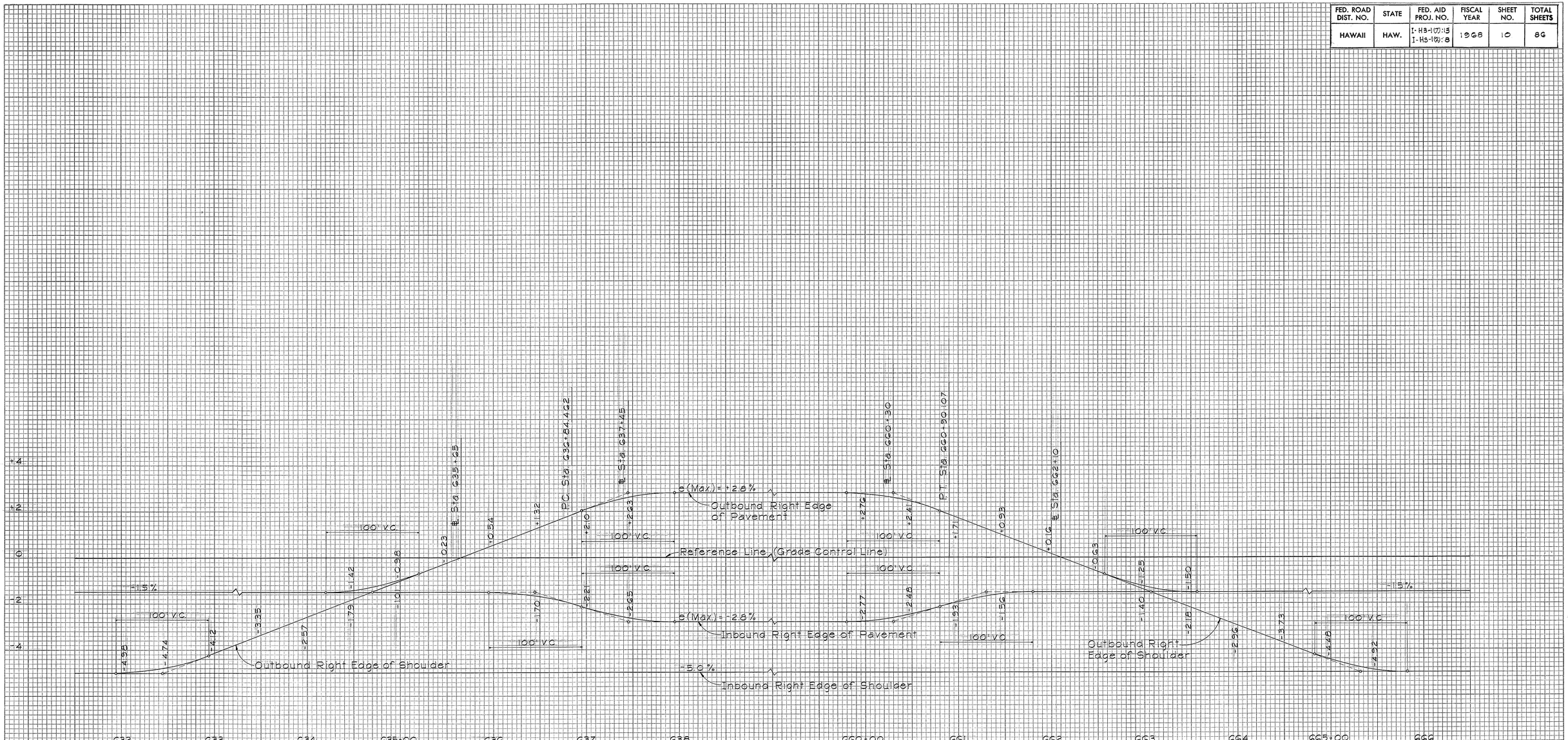
SHEET NO. 5 OF 8 SHEETS

9.0 92

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-HB-1(17):8 I-HB-1(19):8	1968	10	86

FINAL SURVEY
SURVEYED BY
PLOTTED DATE
NOTE BOOK TEMPLATE
AREAS
NO. AREAS CHECKED

ORIGINAL SURVEY
SURVEYED BY
PLOTTED DATE
NOTE BOOK TEMPLATE
AREAS
NO. AREAS CHECKED



SUPERELEVATION DIAGRAM - CURVE B-3

Scale: Horiz. 1" = 50'
Vert. 1" = 2'

PLATE 3 - CROSS SECTION O. P. R. & R. E. STANDARD
KEUFFEL & ESSER CO., NEW YORK.
K & E Co. No. 346-3C
"SUPERIAL" TRACING CLOTH
25046

REGISTERED PROFESSIONAL ENGINEER

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Wallace Murayama

SHEET NO. 6 OF 8 SHEETS

10. 93

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(7):13 I-H3-1(2):8	1968	11	86

NOT IN CONTRACT

BEGIN RAMP K-1 CONSTRUCTION Sta. 5+64.00

C.G. Sta. 5+25

153.97

-6.42 %

P.T. Sta. 6+20.72

83.81

Ramp K-1 grade to be developed from Mokapu Saddle Road ℄

Mokapu Saddle Road ℄ Profile

94.76

Existing Grade at ℄

End Ramp K-1 Sta. 21+41.65 = Mokapu Saddle Road Sta. 499+99.19

122.99

RAMP K-1 Sta. 0+00 = Sta. 623+18.54 ℄

+5.90%

OUTBOUND RIGHT E.P. +5.9%

140.62

142.96

144.65

145.80

146.30

146.31

146.18

145.46

144.11

142.17

139.60

B.V.C. Sta. 2+75

500 VC

E.V.C. Sta. 7+75

139.22

2:1 Fill Slope

138.09

Existing Grade at ℄

Finish Grade at ℄

-6.35%

-6.42%

Station Line Offset 15'

117.46

Sta. 11+00

Right E.P.

117.23

94.76

100 90 80 70 60 50 40

150 140 130 120 110 100 90 80 70 60 50

14 15 16 17 18 19 20 21 22

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14

PROFILE - RAMP K-1 (KAILUA INTERCHANGE)

Scale: Horiz. 1" = 50'
Vert. 1" = 10'

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SHEET NO. 7 OF 8 SHEETS

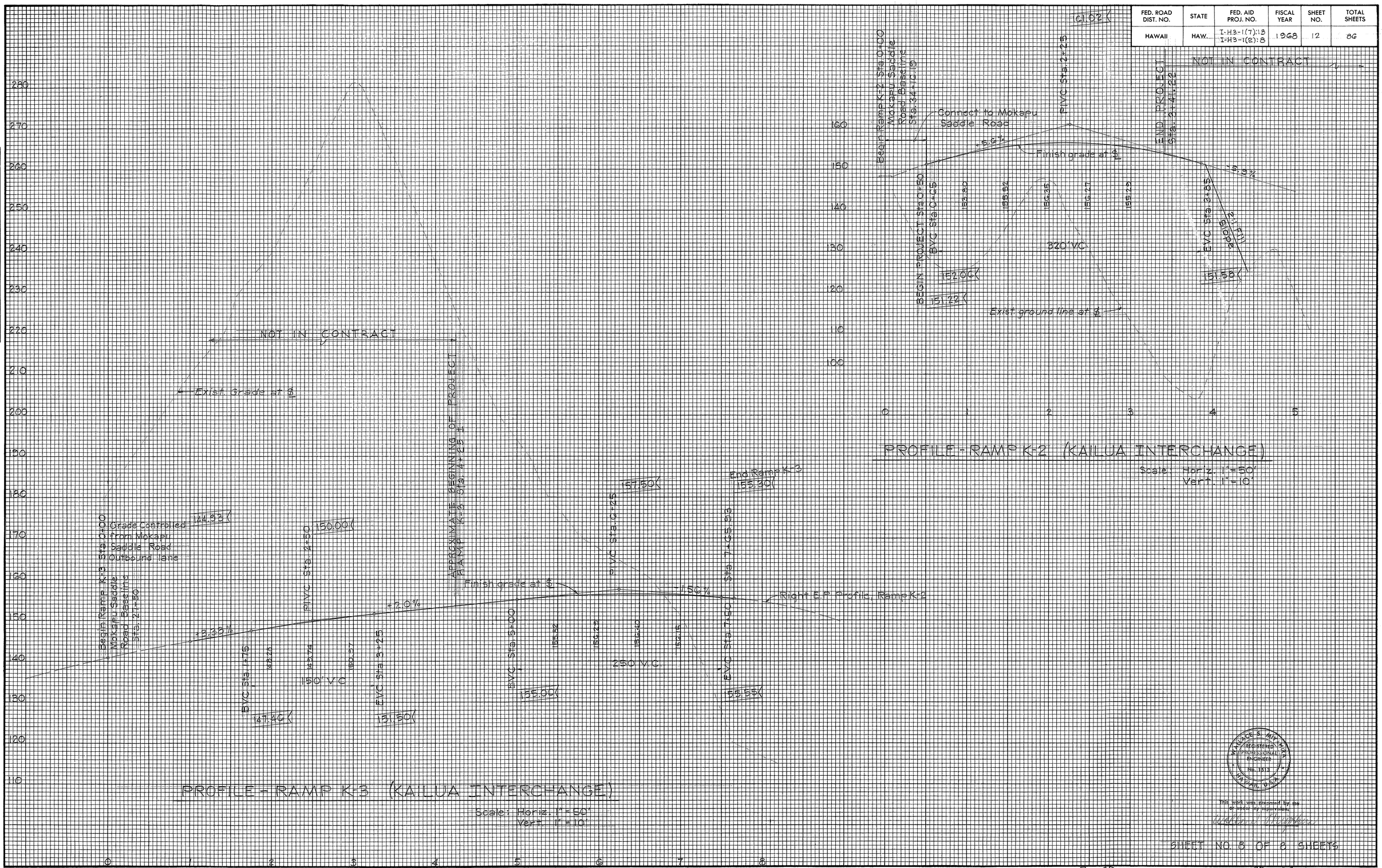
PLATE 3 - CROSS SECTION, F.A.S.
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11. 94

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(7):13 I-H3-1(2):8	1968	12	86

FINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED — BY — DATE

ORIGINAL SURVEY — NOTE BOOK — NO. — SURVEYED — PLOTTED — TRACED — AREAS — AREAS CHECKED — BY — DATE



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SHEET NO. 8 OF 8 SHEETS

PLATE 3 - CROSS SECTION, F.A.S.
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