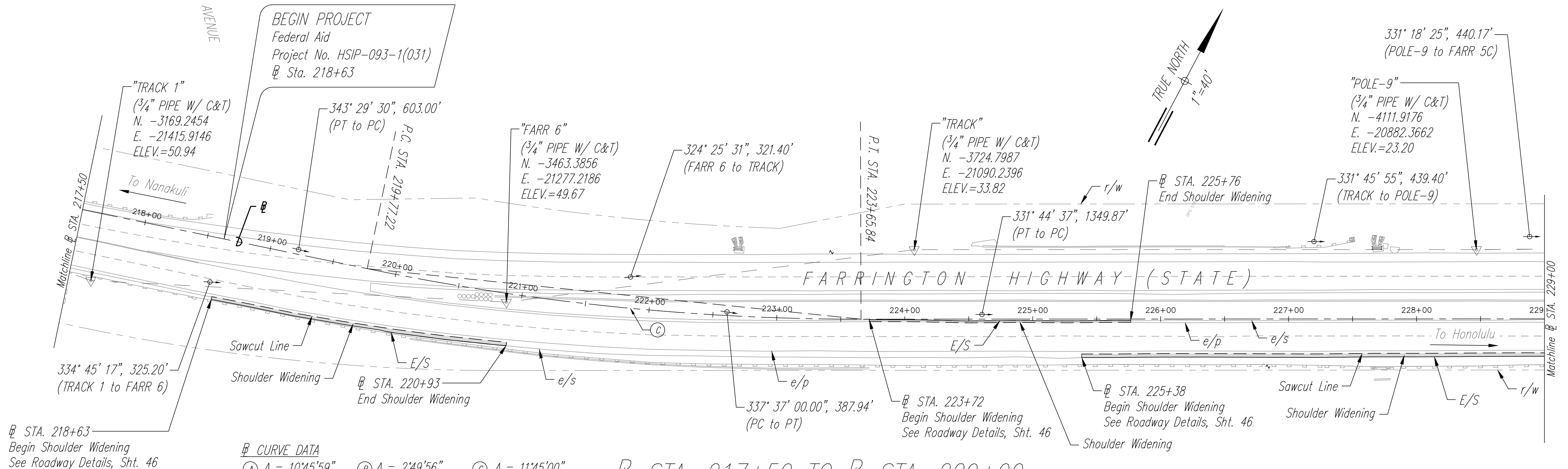
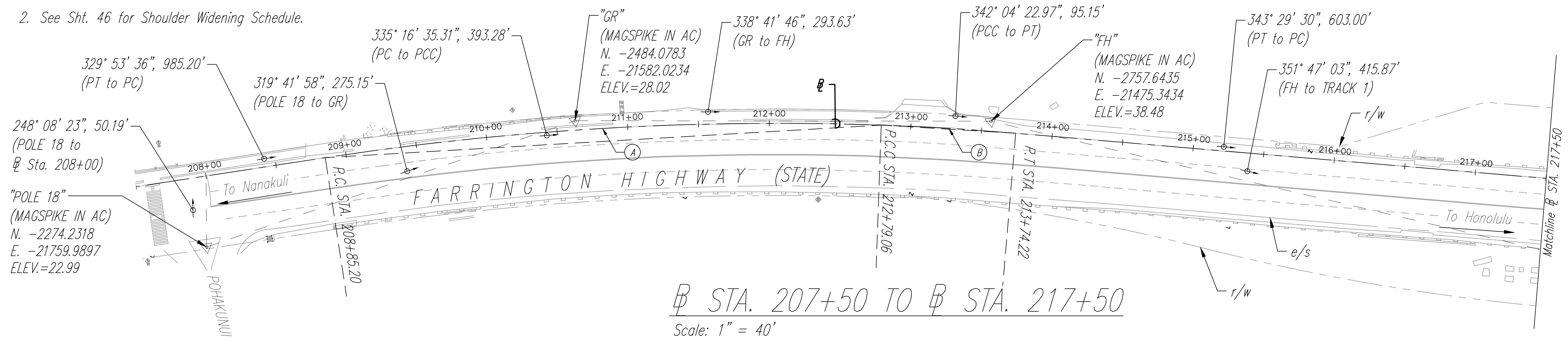


NOTES:

1. See Shts. 37 and 38 for Rumble Strip Details and Schedule.

2. See Sht. 46 for Shoulder Widening Schedule.

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	27	62

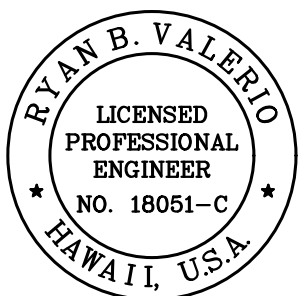


CURVE DATA

①	②	③
$\Delta = 10^{\circ}45'59''$	$\Delta = 2^{\circ}49'56''$	$\Delta = 11^{\circ}45'00''$
$\Delta/2 = 5^{\circ}22'59''$	$\Delta/2 = 1^{\circ}24'58''$	$\Delta/2 = 5^{\circ}52'30''$
$R = 2096'$	$R = 1925'$	$R = 1895'$
$T = 197.51'$	$T = 47.59'$	$T = 194.99'$
$C = 393.28'$	$C = 95.15'$	$C = 387.94'$
$L_c = 393.86'$	$L_c = 95.16'$	$L_c = 388.62'$

LEGEND

- 2" AC Over 12" Aggregate Subbase
- Right-of-Way



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SIGNATURE
R. B. Valero

4/30/24
EXPIRATION DATE
OF LICENSE

0 40 80 120
Scale: 1" = 40' Feet

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN - 1
FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS
Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)
Date: November 2021

SHEET No. 1 OF 10 SHEETS

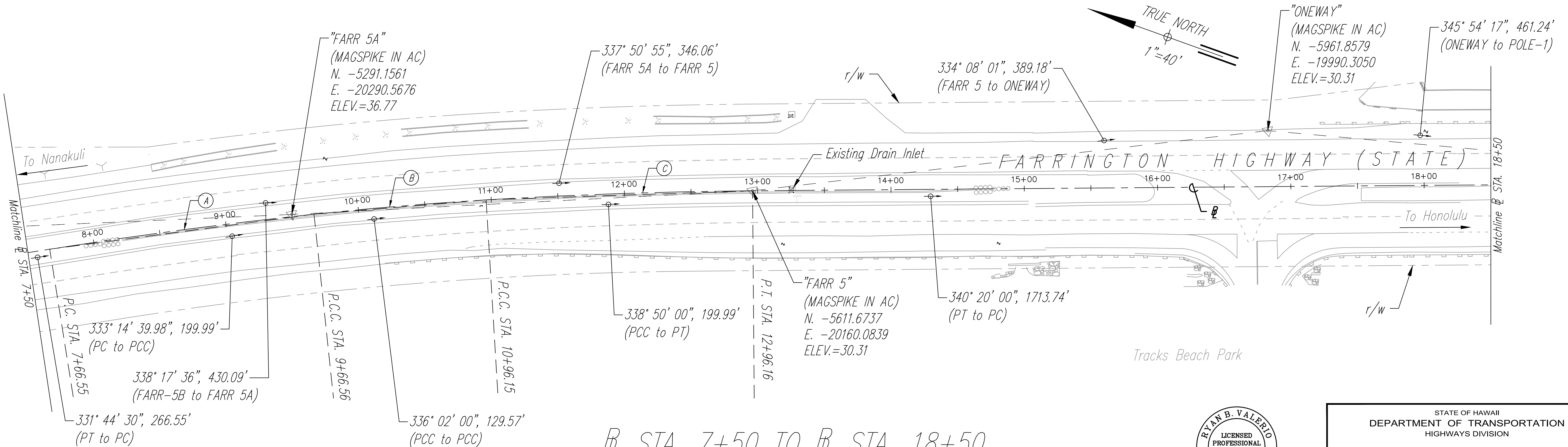
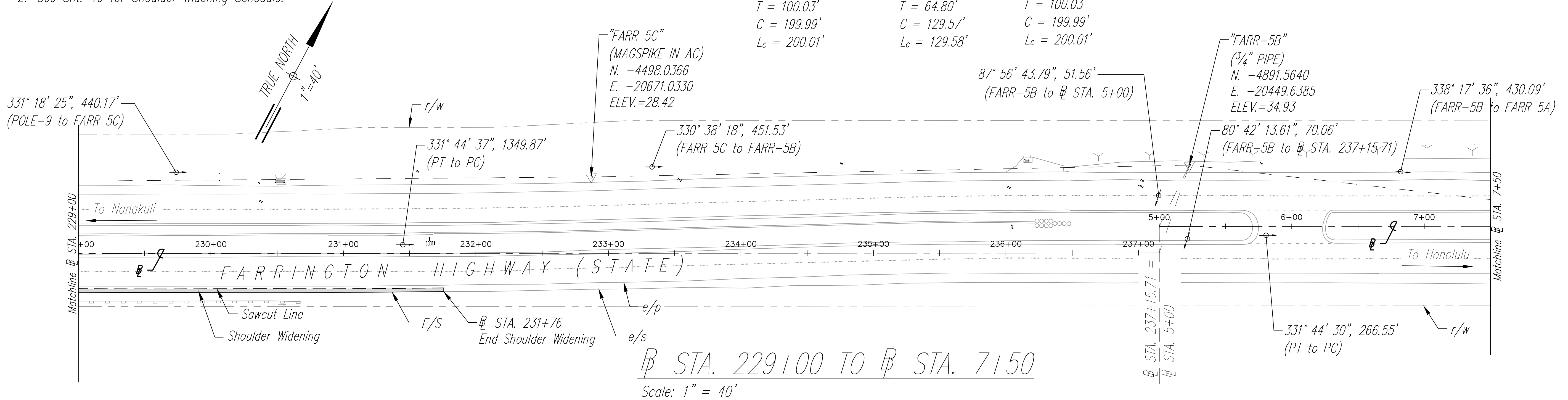
NOTES:

- See Shts. 37 and 38 for Rumble Strip Details and Schedule.
- See Sht. 46 for Shoulder Widening Schedule.

CURVE DATA

(A)	$\Delta = 3^{\circ}00'00''$ $\Delta/2 = 1^{\circ}30'30''$ $R = 3819.99'$ $T = 100.03'$ $C = 199.99'$ $L_c = 200.01'$	(B)	$\Delta = 2^{\circ}35'22''$ $\Delta/2 = 1^{\circ}17'41''$ $R = 2867.31'$ $T = 64.80'$ $C = 129.57'$ $L_c = 129.58'$	(C)	$\Delta = 3^{\circ}00'00''$ $\Delta/2 = 1^{\circ}30'00''$ $R = 3819.99'$ $T = 100.03'$ $C = 199.99'$ $L_c = 200.01'$
-----	---	-----	--	-----	---

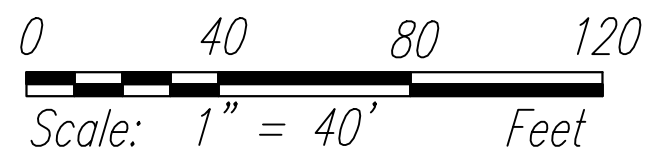
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	28	62



LEGEND

- 2" AC Over 12" Aggregate Subbase
- Right-of-Way

STA. 7+50 TO STA. 18+50
Scale: 1" = 40'



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SIGNATURE
R. B. Valero

4/30/24
EXPIRATION DATE OF LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

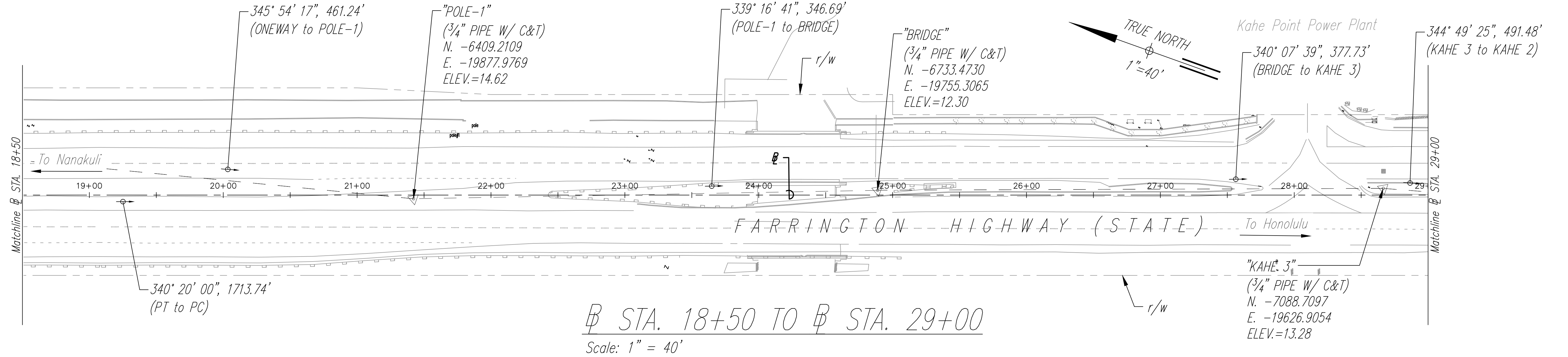
ROADWAY PLAN - 2
FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS
Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)
Date: November 2021

SHEET No. 2 OF 10 SHEETS

NOTE:

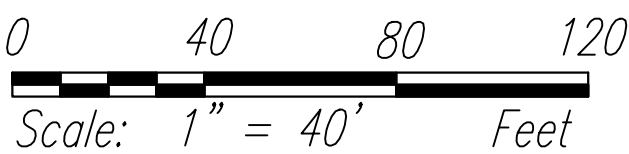
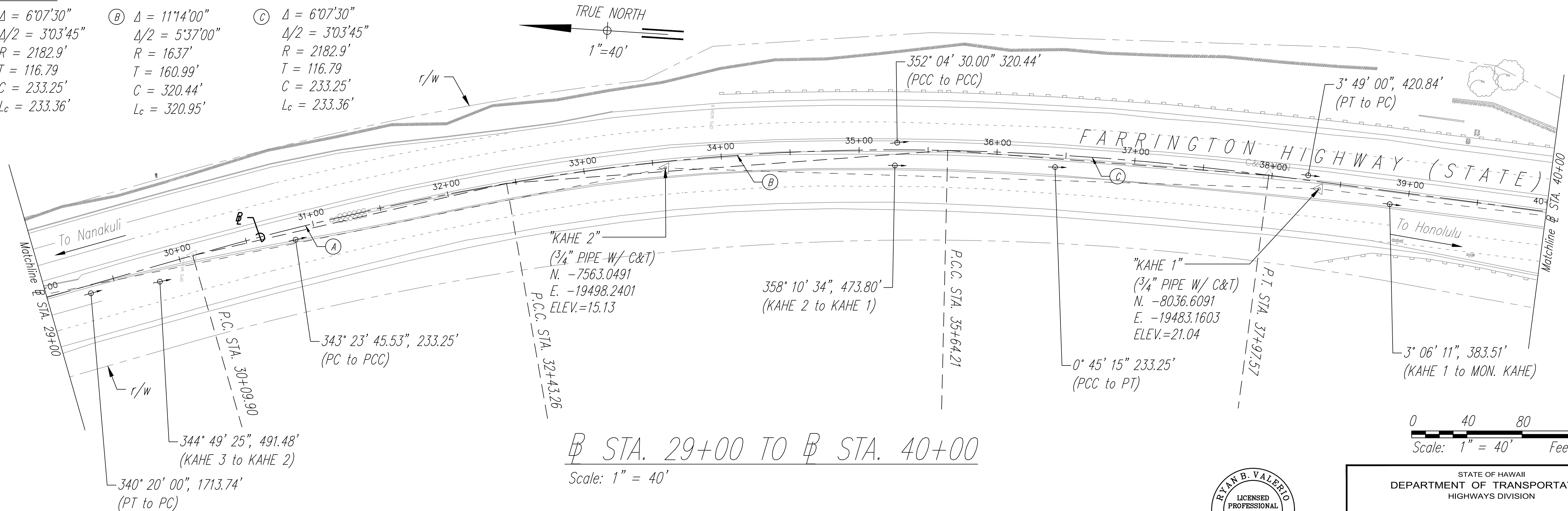
1. See Shts. 37 and 38 for Rumble Strip Details and Schedule.

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	29	62



Ⓢ CURVE DATA

Ⓐ $\Delta = 6^{\circ}07'30''$ $\Delta/2 = 3^{\circ}03'45''$ $R = 2182.9'$ $T = 116.79$ $C = 233.25'$ $L_c = 233.36'$	Ⓑ $\Delta = 11^{\circ}14'00''$ $\Delta/2 = 5^{\circ}37'00''$ $R = 1637'$ $T = 160.99'$ $C = 320.44'$ $L_c = 320.95'$	Ⓒ $\Delta = 6^{\circ}07'30''$ $\Delta/2 = 3^{\circ}03'45''$ $R = 2182.9'$ $T = 116.79$ $C = 233.25'$ $L_c = 233.36'$
---	---	---



LEGEND

----- Right-of-Way

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

RUMBLE STRIP INSTALLATION ONLY – THIS SHEET



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Ryan B. Valero
SIGNATURE

4/30/24
EXPIRATION DATE OF LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN – 3
FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS
Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)
Date: November 2021

SHEET No. 3 OF 10 SHEETS

NOTE:

1. See Shts. 37 and 38 for Rumble Strip Details and Schedule.

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	30	62

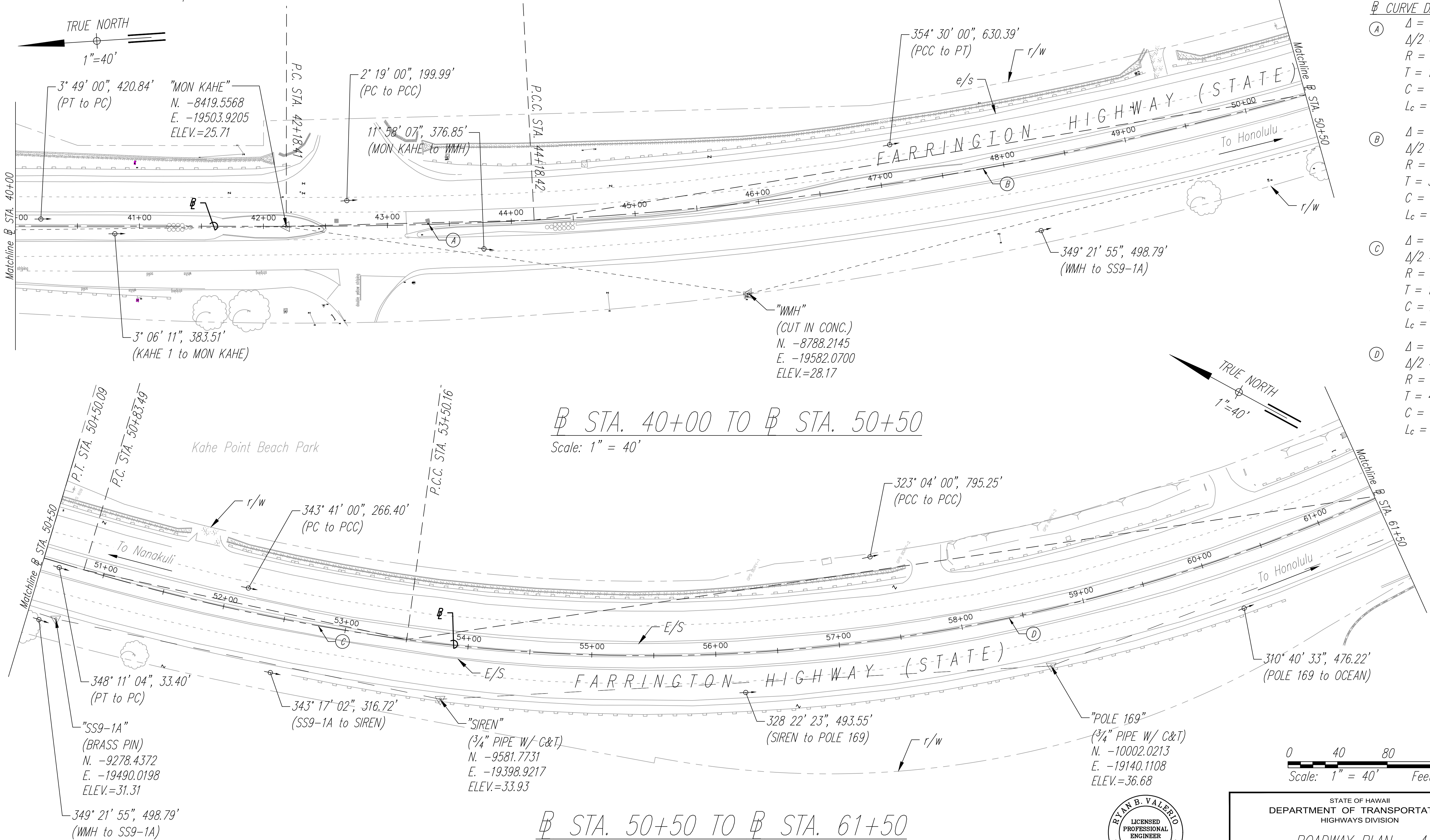
CURVE DATA

A $\Delta = 3^{\circ}00'00''$
 $\Delta/2 = 1^{\circ}30'00''$
 $R = 3819.99'$
 $T = 100.03'$
 $C = 199.99'$
 $L_c = 200.01'$

B $\Delta = 12^{\circ}38'00''$
 $\Delta/2 = 6^{\circ}19'00''$
 $R = 2864.79'$
 $T = 317.12'$
 $C = 630.39'$
 $L_c = 631.67'$

C $\Delta = 8^{\circ}59'58''$
 $\Delta/2 = 4^{\circ}29'59''$
 $R = 1697.78'$
 $T = 133.61'$
 $C = 266.40'$
 $L_c = 266.67'$

D $\Delta = 32^{\circ}14'00''$
 $\Delta/2 = 16^{\circ}07'00''$
 $R = 1432.40'$
 $T = 413.89'$
 $C = 795.25'$
 $L_c = 805.84'$



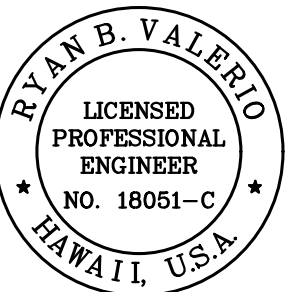
STA. 40+00 TO STA. 50+50
Scale: 1" = 40'

STA. 50+50 TO STA. 61+50
Scale: 1" = 40'

LEGEND

Right-of-Way

0 40 80 120
Scale: 1" = 40' Feet



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SIGNATURE

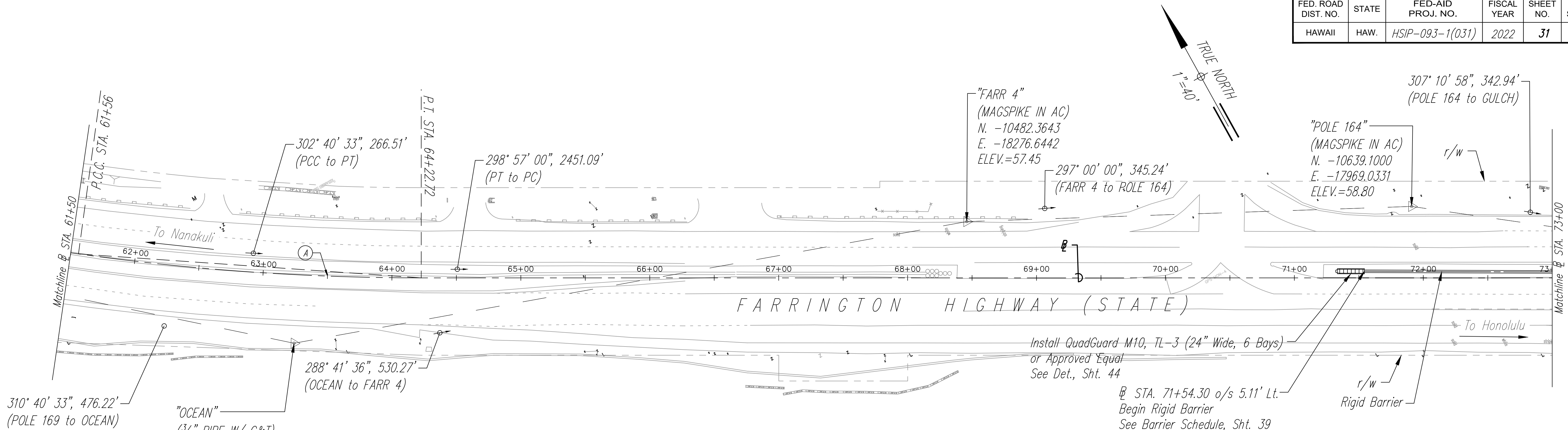
4/30/24
EXPIRATION DATE OF LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

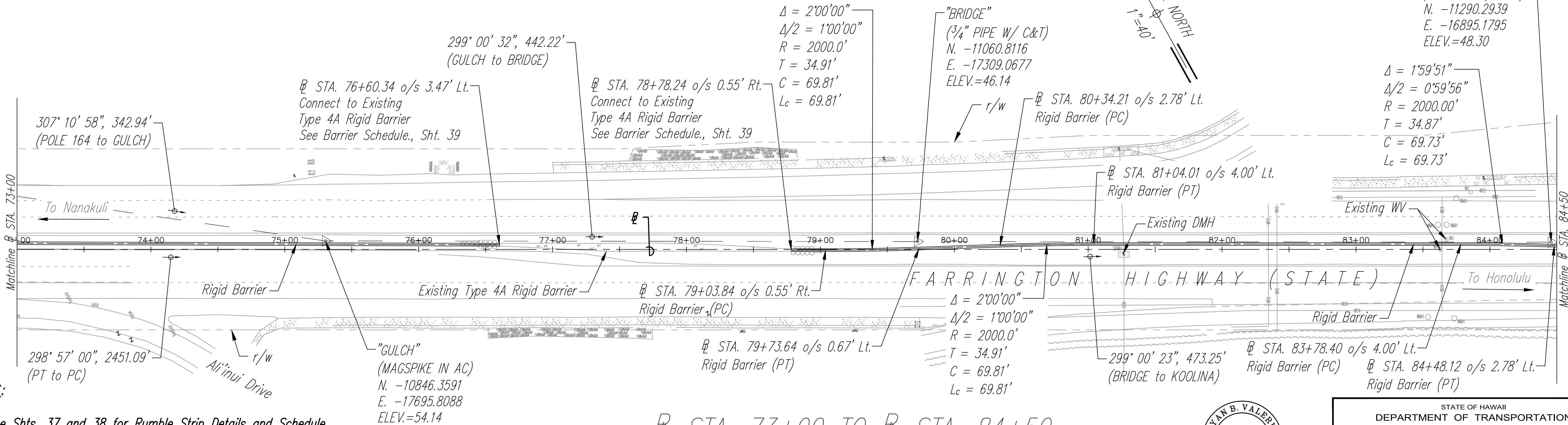
ROADWAY PLAN - 4
FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS
Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)
Date: November 2021

SHEET No. 4 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	31	62



STA. 61+50 TO STA. 73+00
Scale: 1" = 40'



STA. 73+00 TO STA. 84+50
Scale: 1" = 40'

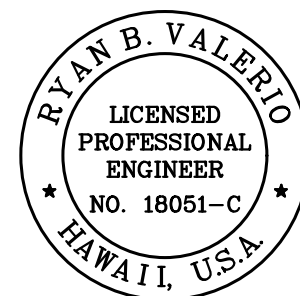
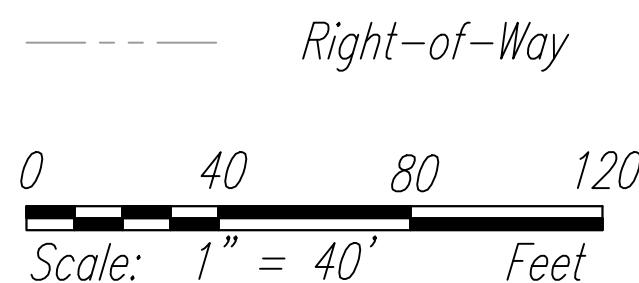
NOTES:

- See Shts. 37 and 38 for Rumble Strip Details and Schedule.
- See Sht. 39 for Rigid Barrier Schedule.
- Contractor shall follow the existing ground surface when profiling the concrete barrier. To avoid sudden dips or rises in the concrete barrier profile, ground elevation profiling shall be taken at 20 feet spacing, for purposes of identifying concrete barrier grade elevation

CURVE DATA

- (A) $\Delta = 8^{\circ}00'00''$
 $\Delta/2 = 4^{\circ}00'00''$
 $R = 1910.28'$
 $T = 133.58'$
 $C = 266.51'$
 $L_c = 266.73'$

LEGEND



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OR UNDER MY SUPERVISION.

SIGNATURE
R. B. Valero

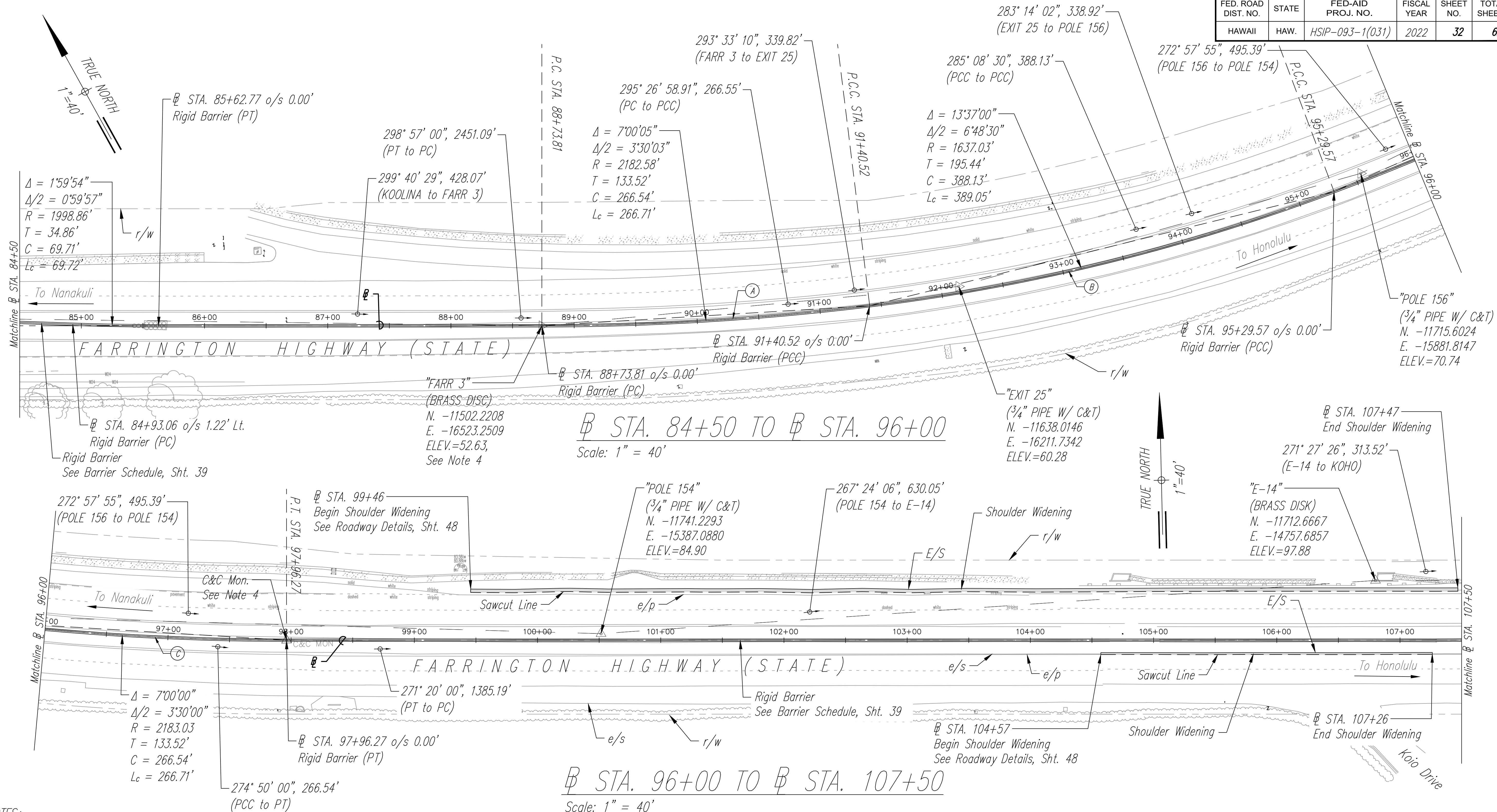
4/30/24
EXPIRATION DATE
OF LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN - 5
FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS
Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)
Date: November 2021

SHEET No. 5 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	32	62



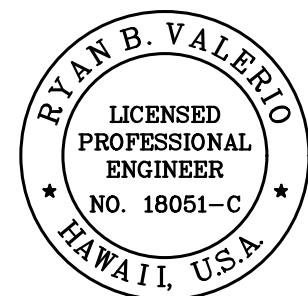
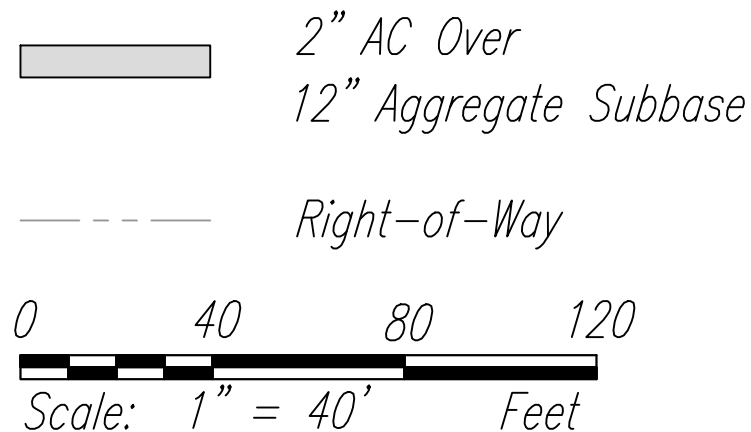
NOTES:

- See Shts. 37 and 38 for Rumble Strip Details and Schedule.
- See Sht. 68 for Rigid Barrier Schedule.
- See Sht. 46 for Shoulder Widening Schedule.
- Contractor shall field locate existing survey monuments. If an existing survey monument is within 1.5' of the proposed rigid barrier centerline, Contractor shall deflect the barrier alignment to avoid conflict with the existing survey monument. See Sht. 45 for Rigid Barrier Deflection Detail.

CURVE DATA

	A	B	C
Δ	$7^{\circ}00'11''$	$13^{\circ}37'00''$	$7^{\circ}00'00''$
$\Delta/2$	$3^{\circ}30'5.5''$	$6^{\circ}48'30''$	$3^{\circ}30'00''$
R	2182.06'	1637.02'	2183.03'
T	133.52'	195.44'	133.52'
C	266.54'	388.13'	266.54'
L_c	266.71'	389.05'	266.71'

LEGEND



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SIGNATURE
R. B. Valero

4/30/24
EXPIRATION DATE OF LICENSE

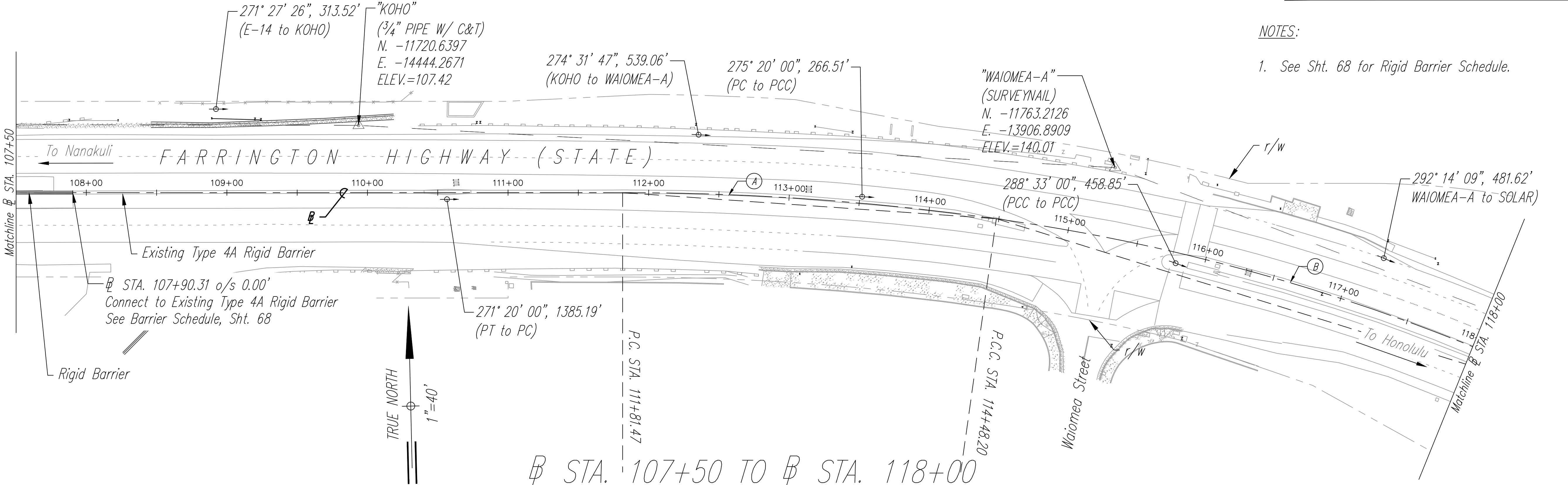
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN - 6
FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS
Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)
Date: November 2021

SHEET No. 4 OF 7 SHEETS

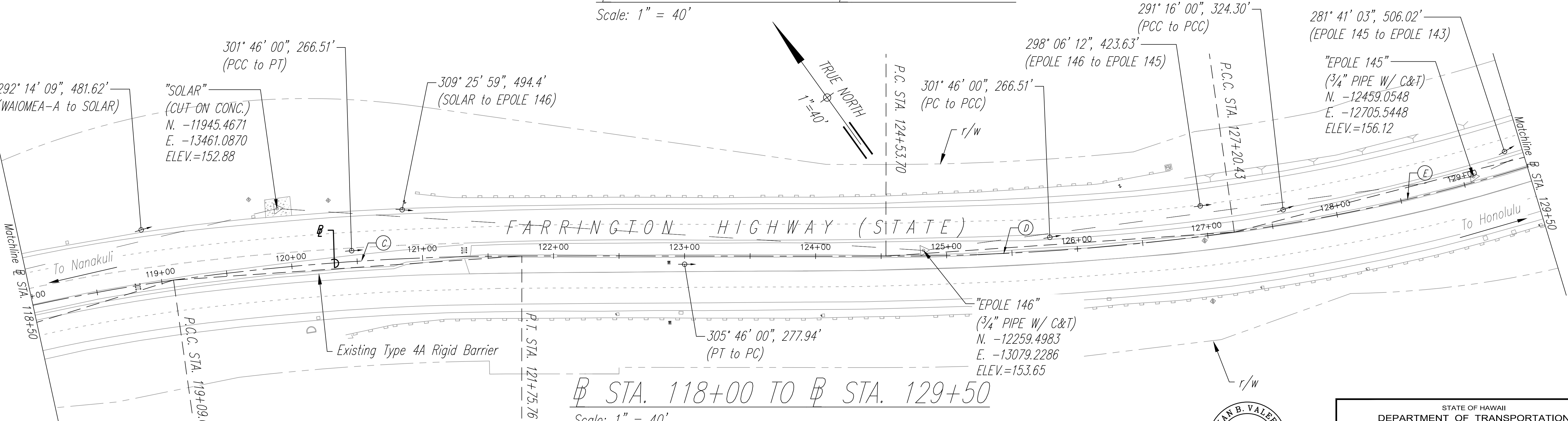
FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	33	62

NOTES:
1. See Sht. 68 for Rigid Barrier Schedule.



STA. 107+50 TO STA. 118+00

Scale: 1" = 40'



STA. 118+00 TO STA. 129+50

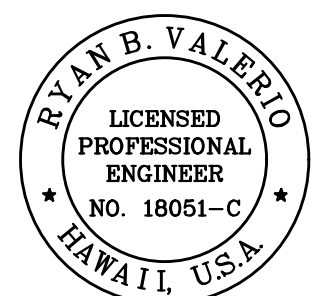
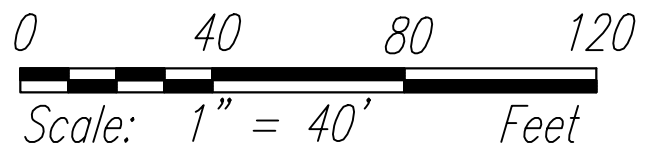
Scale: 1" = 40'

CURVE DATA

(A) $\Delta = 8^{\circ}01'47''$ $\Delta/2 = 4^{\circ}01'54''$ $R = 1903.28'$ $T = 133.59'$ $C = 266.52'$ $L_c = 266.74'$	(B) $\Delta = 18^{\circ}26'00''$ $\Delta/2 = 9^{\circ}13'00''$ $R = 1432.40'$ $T = 232.43'$ $C = 458.85'$ $L_c = 460.84'$	(C) $\Delta = 8^{\circ}00'00''$ $\Delta/2 = 4^{\circ}00'00''$ $R = 1910.29'$ $T = 133.58'$ $C = 266.51'$ $L_c = 266.73'$	(D) $\Delta = 8^{\circ}00'00''$ $\Delta/2 = 4^{\circ}00'00''$ $R = 1910.28'$ $T = 133.58'$ $C = 266.51'$ $L_c = 266.73'$	(E) $\Delta = 13^{\circ}00'00''$ $\Delta/2 = 6^{\circ}30'00''$ $R = 1432.40'$ $T = 163.20'$ $C = 324.30'$ $L_c = 325'$
---	--	---	---	---

LEGEND

Right-of-Way



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SIGNATURE: *R. B. Valero*

4/30/24
EXPIRATION DATE OF LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN - 7
FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS
Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)
Date: November 2021

SHEET No. 5 OF 7 SHEETS

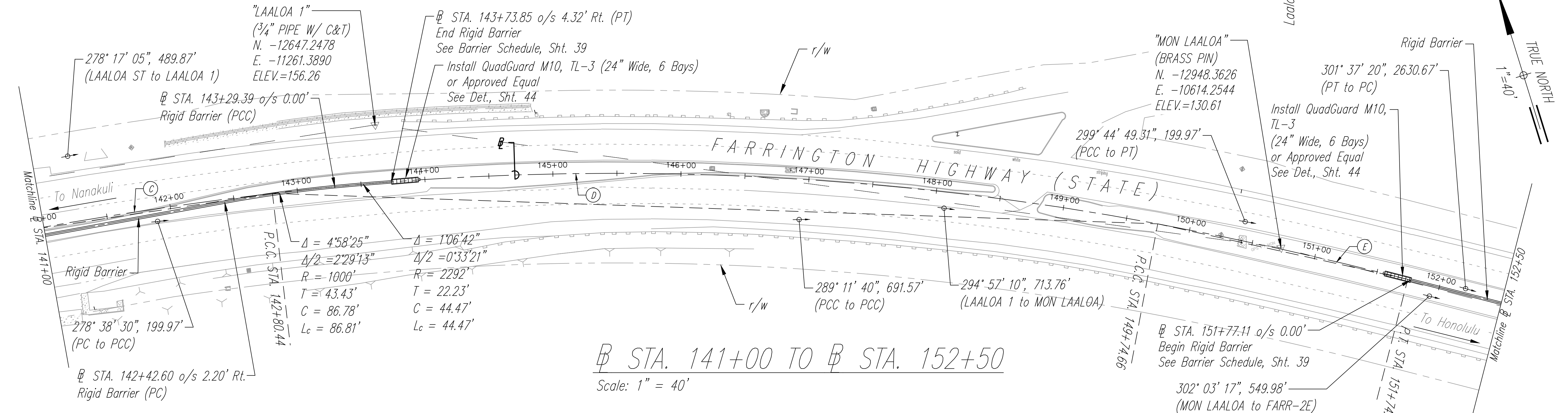
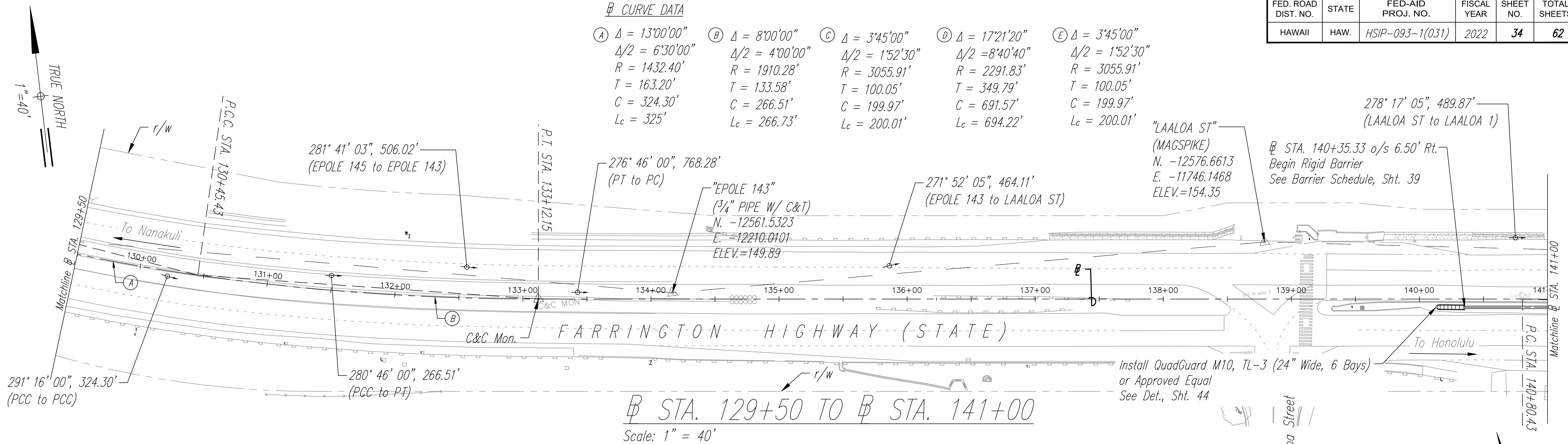
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	

ORIGINAL PLAN No.

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	34	62

CURVE DATA

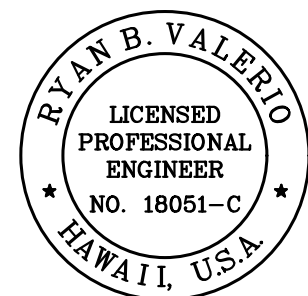
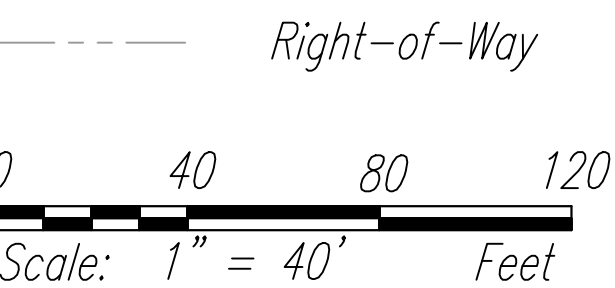
Δ = 13°00'00"	Δ = 8°00'00"	Δ = 3°45'00"	Δ = 17°21'20"	Δ = 3°45'00"
Δ/2 = 6°30'00"	Δ/2 = 4°00'00"	Δ/2 = 1°52'30"	Δ/2 = 8°40'40"	Δ/2 = 1°52'30"
R = 1432.40'	R = 1910.28'	R = 3055.91'	R = 2291.83'	R = 3055.91'
T = 163.20'	T = 133.58'	T = 100.05'	T = 349.79'	T = 100.05'
C = 324.30'	C = 266.51'	C = 199.97'	C = 691.57'	C = 199.97'
Lc = 325'	Lc = 266.73'	Lc = 200.01'	Lc = 694.22'	Lc = 200.01'



NOTES:

- See Shts. 37 and 38 for Rumble Strip Details and Schedule.
- See Sht. 39 for Rigid Barrier Schedule.
- Contractor shall follow the existing ground surface when profiling the concrete barrier. To avoid sudden dips or rises in the concrete barrier profile, contractor shall survey the existing ground at 20 feet spacing.

LEGEND



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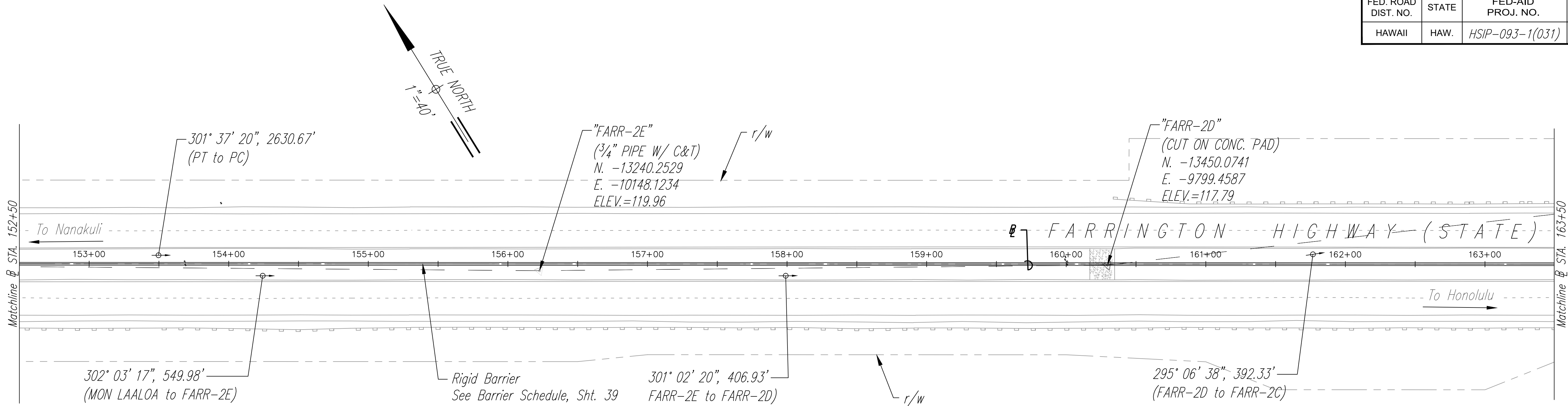
SIGNATURE: *R. B. Valero*
EXPIRATION DATE OF LICENSE: 4/30/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

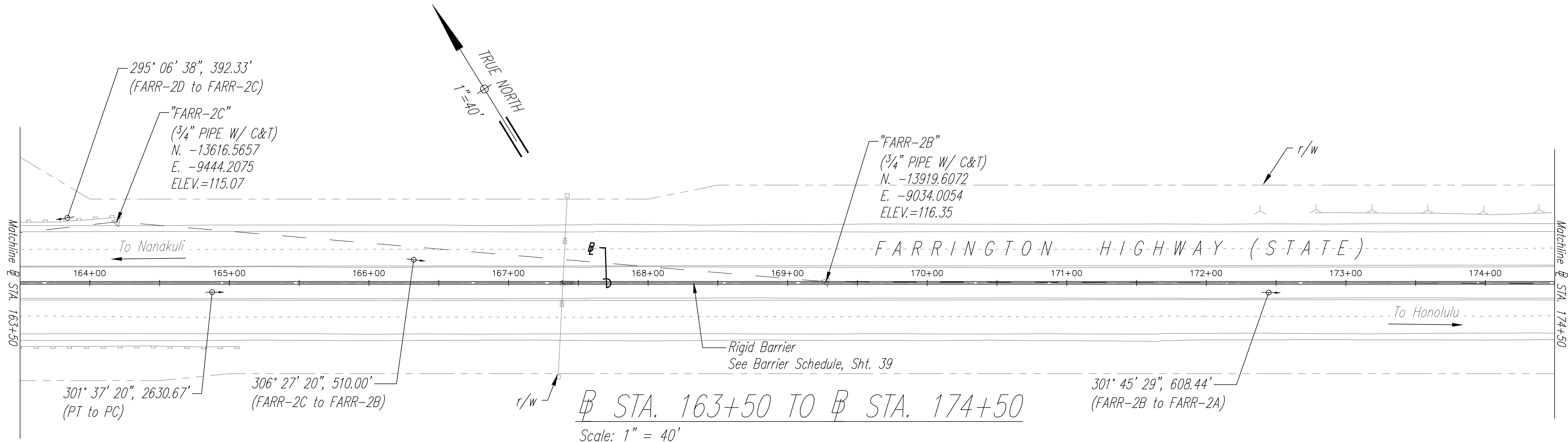
ROADWAY PLAN - 8
FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS
Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)
Date: November 2021

SHEET No. 8 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	35	62



STA. 152+50 TO STA. 163+50
Scale: 1" = 40'



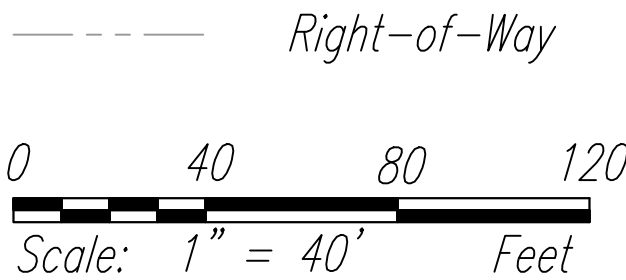
STA. 163+50 TO STA. 174+50
Scale: 1" = 40'

NOTES:

- See Shts. 37 and 38 for Rumble Strip Details and Schedule.
- See Sht. 39 for Rigid Barrier Schedule.
- Contractor shall follow the existing ground surface when profiling the concrete barrier. To avoid sudden dips or rises in the concrete barrier profile, contractor shall survey the existing ground at 20 feet spacing.

ORIGINAL PLAN	DATE
NO. _____	_____
DESIGNED BY	_____
CHECKED BY	_____
TRACED BY	_____
NOTE BOOK	_____

LEGEND



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SIGNATURE

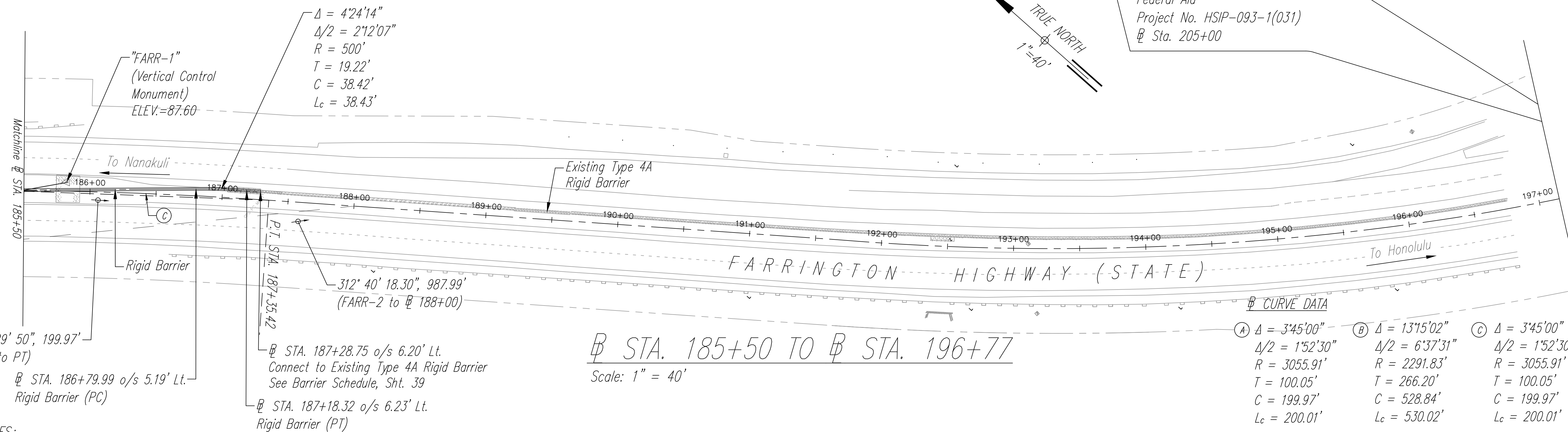
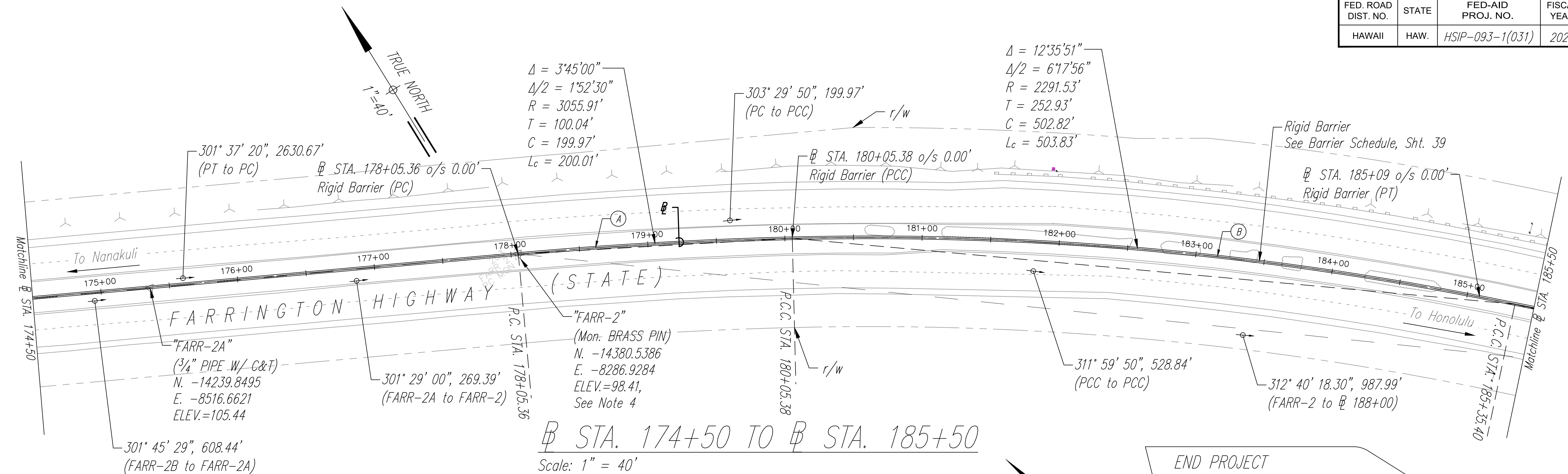
EXPIRATION DATE OF LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN - 9
FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS
Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)
Date: November 2021

SHEET No. 9 OF 10 SHEETS

FED. ROAD DIST. NO.	STATE	FED-AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HSIP-093-1(031)	2022	36	62

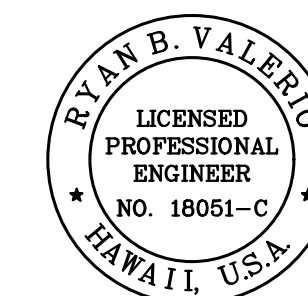
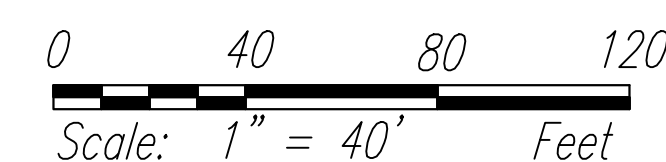


NOTES:

1. See Shts. 37 and 38 for Rumble Strip Details and Schedule.
2. See Sht. 39 for Rigid Barrier Schedule.
3. Contractor shall follow the existing ground surface when profiling the concrete barrier. To avoid sudden dips or rises in the concrete barrier profile, contractor shall survey the existing ground at 20 feet spacing.
4. Contractor shall field locate existing survey monuments. If an existing survey monument is within 1.5' of the proposed rigid barrier centerline, Contractor shall deflect the barrier alignment to avoid conflict with the existing survey monument. See Sht. 45 for Rigid Barrier Deflection Detail.

LEGEND

Right-of-Way



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

R. B. Vali
SIGNATURE

4/30/24
EXPIRATION DATE
OF LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN - 10

FARRINGTON HIGHWAY
SAFETY IMPROVEMENTS

Pohakunui Avenue to Interstate H-1
Federal Aid Project No. HSIP-093-1(031)

Date: November 2021

SHEET No. 10 OF 10 SHEETS