

Attachment 5 Permitted Areas and Project Topography
Fort Barrette Road Operational Improvements

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2019	14	33

Sta. 0+13± o/s 23.79' Lt. to Sta. 0+21± o/s 6.17' Lt.
Construct New Curb Ramp Type "A". Demolition and disposal of existing concrete sidewalk shall be considered incidental to New Curb Ramp Type "A". For details, see Plan Sheet No. __ and Standard Plan D-15.

Sta. 0+00.00
S.B. Sta. 0+00.00
S.B. P.C. Sta. 3+00.00
S.B. P.T. Sta. 4+30.90
Install New D-08 Street Survey Monument

Sta. 4+XX to 4+XX
Install New EVC Station

CURVE DATA
 $\Delta = 21^{\circ}34'00''$
 $\Delta/2 = 10^{\circ}47'00''$
 $R = 762.00'$
 $T = 145.13'$
 $C = 285.13'$
 $Lc = 286.82'$

Roosevelt Ave
Fort Barrette
Enterprise Street Sta. 0+00
Roosevelt Avenue Sta. 0+00

BEGIN PROJECT
Enterprise Street
Sta. 1+15.96

To Outfall 1
Channel to Pacific
Ocean
158.08637D
21.29587D

S.B. CURVE DATA
 $\Delta = 7^{\circ}30'00.1''$
 $\Delta/2 = 3^{\circ}45'00.03''$
 $R = 1,000.00'$
 $T = 65.54'$
 $C = 130.81'$
 $Lc = 130.90'$

Roosevelt Avenue Sta. 1+49.1± o/s 15.1' Lt. to
R/W Sta. 9+98.4± o/s 39.4' Rt.
Remove and dispose of existing chain rail. Removal and disposal shall be considered incidental to the various contract items.

Roosevelt Avenue Sta. 37+15± o/s 19.19' Lt. to
Roosevelt Avenue Sta. 98+12± o/s 7.93' Lt.
Demolish and construct New Concrete Sidewalk and New Curb Ramps Type "A" and Type "D". Demolition and disposal of existing curb ramps and concrete sidewalk shall be considered incidental to New Curb Ramps Type "A" and Type "D" and New Concrete Sidewalk, respectively. For details, see Plan Sheet No. __ and Standard Plan D-15.

- Notes:
- For relocation of traffic signs, see Traffic Plans.
 - For Traffic Signal related work, see Traffic Signal Plans.

R/W Sta. 10+23.8± o/s 13.2' Rt. to N.B. Sta. 0+24.1± o/s 11.1' Lt.
R/W Sta. 10+22.5± o/s 1.1' Lt. to N.B. Sta. 0+24.5± o/s 25.0' Lt.
N.B. Sta. 0+66.9± o/s 11.2' Lt. to N.B. Sta. 0+86.1± o/s 11.3' Lt.
N.B. Sta. 0+67.1± o/s 25.1' Lt. to N.B. Sta. 0+91.2± o/s 25.2' Lt.
N.B. Sta. 1+07.8± o/s 11.4' Lt. to N.B. Sta. 1+18.2' Lt.
Install New Type 2D Curbing. For details, see Standard Plan D-05.
N.B. Sta. 1+19.6± o/s 11.4' Lt. to N.B. Sta. 1+19.6± o/s 24.4' Lt. to N.B. Sta. 1+19.6± o/s 24.6' Lt.
Install New Curbing. See Traffic Plans.

To Coral Pit Basin
Outfall 2
Overflow to Pacific
Ocean Near Kalaeloa
Airport
158.06252D
21.30011D

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

FORT BARRETTE ROAD OPERATIONAL IMPROVEMENTS
ROOSEVELT AVENUE TO FARRINGTON HIGHWAY
PROJECT NO. 901A-01-19 (DRAFT PLANS)

Scale: 1" = 40.0' Date: September, 2019

SHEET No. 1 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2019	15	35



15

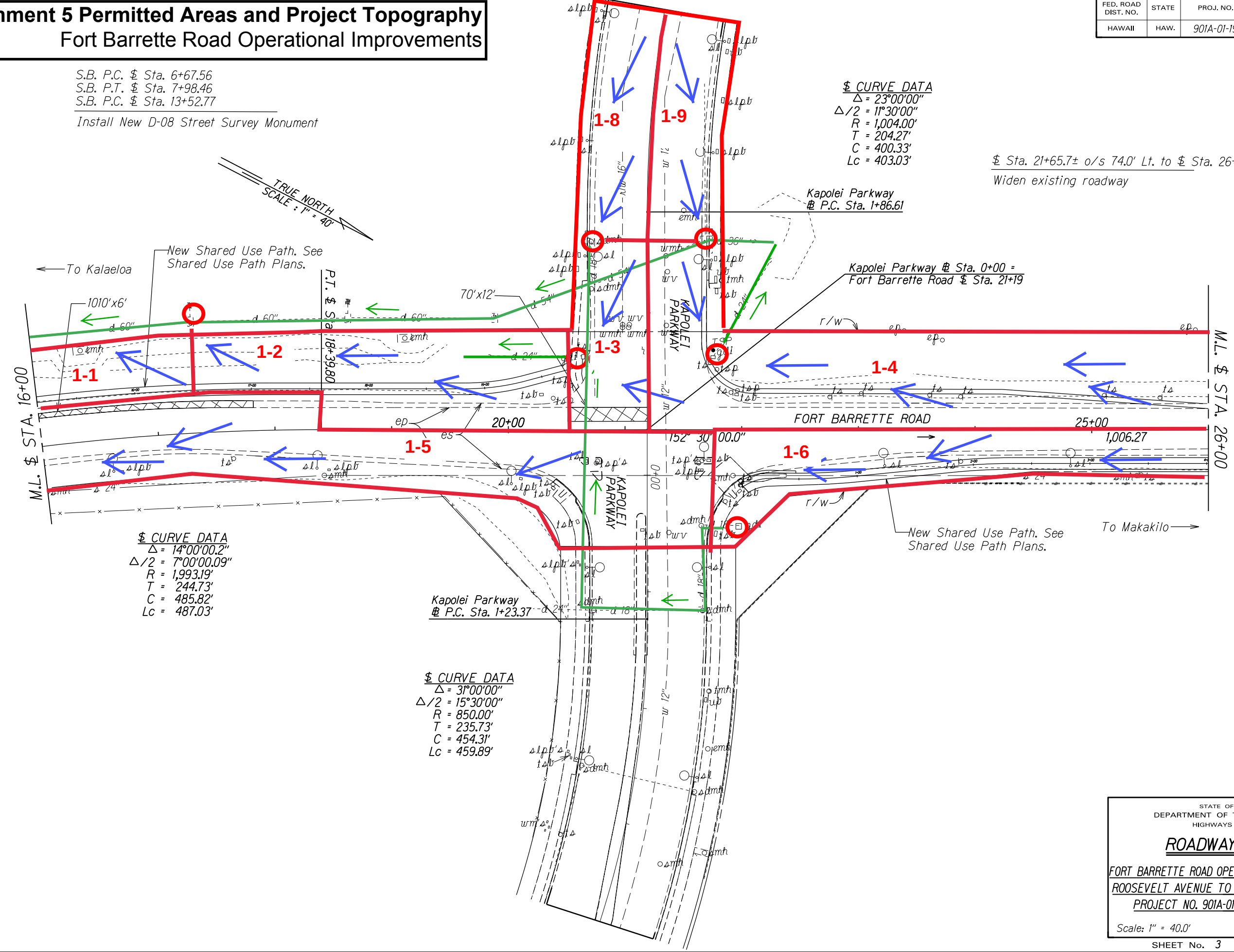
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HAWAII	HAW.	901A-01-19	2019	16	35

S.B. P.C. $\$ Sta. 6+67.56$
S.B. P.T. $\$ Sta. 7+98.46$
S.B. P.C. $\$ Sta. 13+52.77$
Install New D-08 Street Survey Monument

$\$ CURVE DATA$
 $\Delta = 23^{\circ}00'00''$
 $\Delta/2 = 11^{\circ}30'00''$
 $R = 1,004.00'$
 $T = 204.27'$
 $C = 400.33'$
 $Lc = 403.03'$

$\$ Sta. 21+65.7 \pm$ o/s 74.0' Lt. to $\$ Sta. 26+00 \pm$ o/s 18.0' Lt.
Widen existing roadway



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

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

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ROOSEVELT AVENUE TO FARRINGTON HIGHWAY
PROJECT NO. 901A-01-19 (DRAFT PLANS)

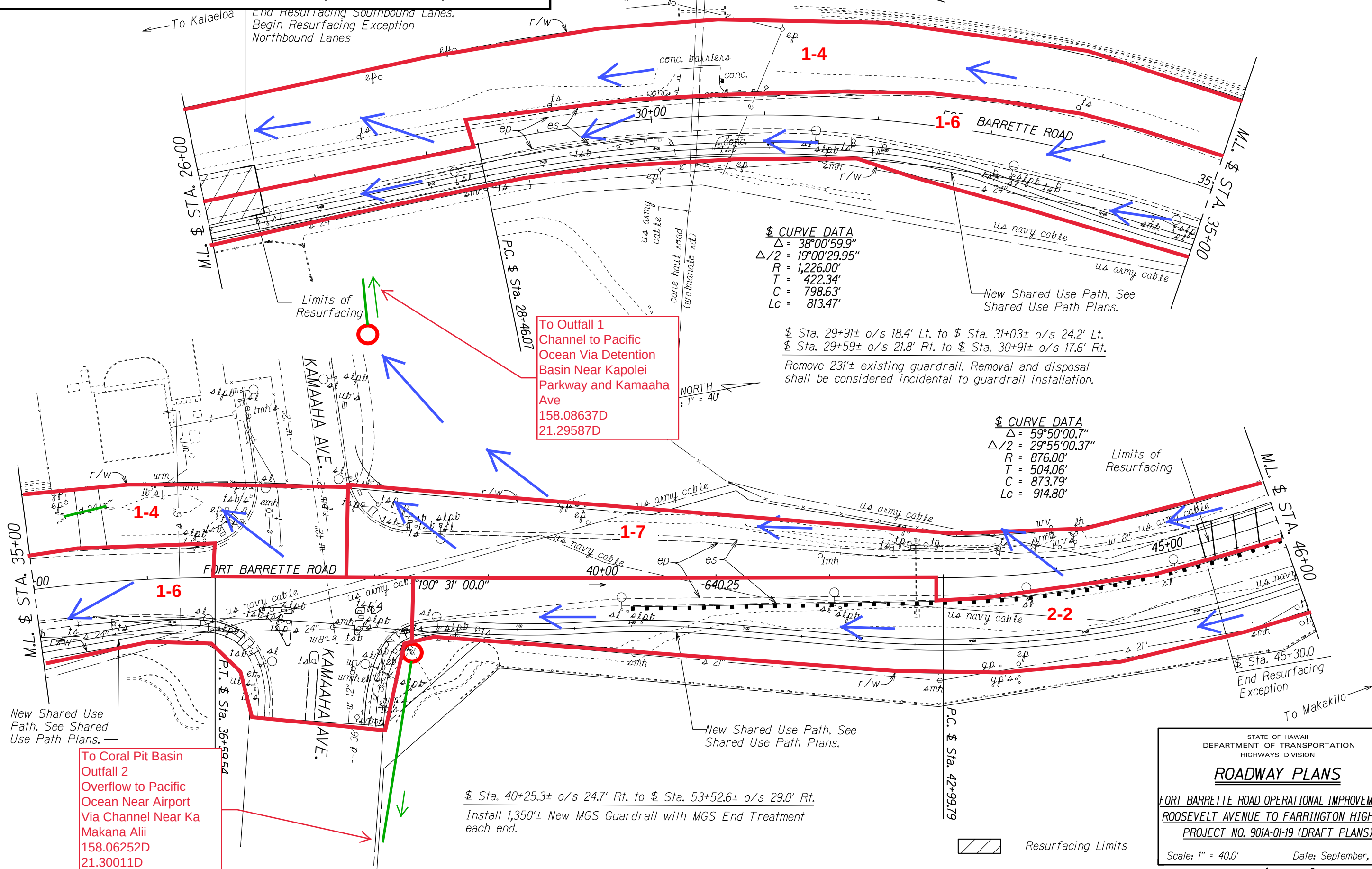
Scale: 1" = 40.0' Date: September, 2019

SHEET No. 3 OF 8 SHEETS

Attachment 5 Permitted Areas and Project Topography

Fort Barrette Road Operational Improvements

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2019	17	35



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
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ROADWAY PLANS

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ROOSEVELT AVENUE TO FARRINGTON HIGHWAY
PROJECT NO. 901A-01-19 (DRAFT PLANS)

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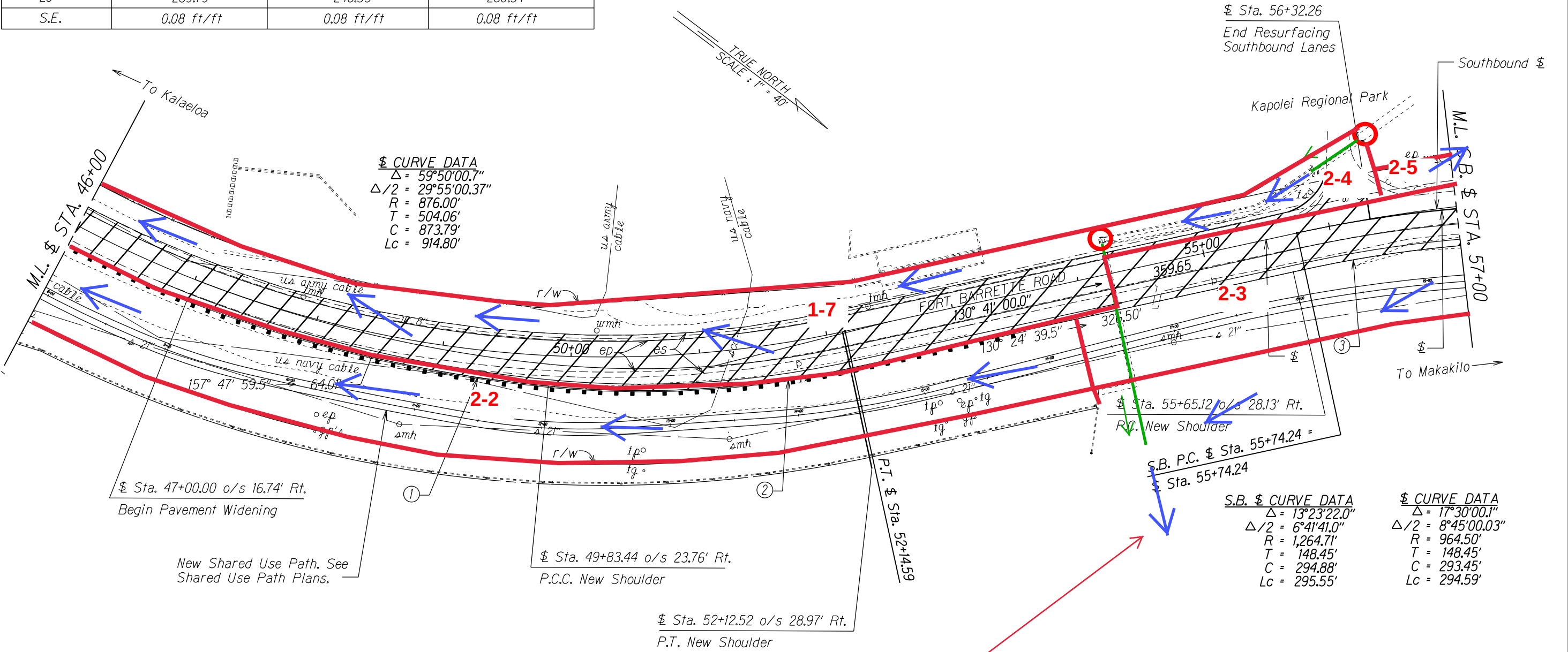
SHEET No. 4 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2019	18	35

Attachment 5 Permitted Areas and Project Topography

Fort Barrette Road Operational Improvements

CURVE DATA FOR NEW ES			
	①	②	③
Δ	15°53'19"	18°02'27"	15°21'43"
$\Delta/2$	7°56'39.4"	9°01'13.7"	7°40'51.5"
R	1,045.00'	783.00'	971.00'
T	145.83'	124.30'	130.96'
C	288.86'	245.53'	259.56'
Lc	289.79'	246.55'	260.34'
S.E.	0.08 ft/ft	0.08 ft/ft	0.08 ft/ft



S.B. \$ CURVE DATA	\$ CURVE DATA
$\Delta = 13^{\circ}23'22.0''$	$\Delta = 17^{\circ}30'00.1''$
$\Delta/2 = 6^{\circ}41'41.0''$	$\Delta/2 = 8^{\circ}45'00.03''$
R = 1,264.71'	R = 964.50'
T = 148.45'	T = 148.45'
C = 294.88'	C = 293.45'
Lc = 295.55'	Lc = 294.59'

* For Resurfacing Exception Details, See Sheet No. 7.

To Coral Pit Basin
Outfall 2
Overflow to Pacific
Ocean Near Airport
Via Keahalani Ave CB
158.06252D
21.30011D

Resurfacing Limits

Note: Adjustment of Utility Manhole Covers to be verified in the field.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLANS

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ROOSEVELT AVENUE TO FARRINGTON HIGHWAY
PROJECT NO. 901A-01-19 (DRAFT PLANS)

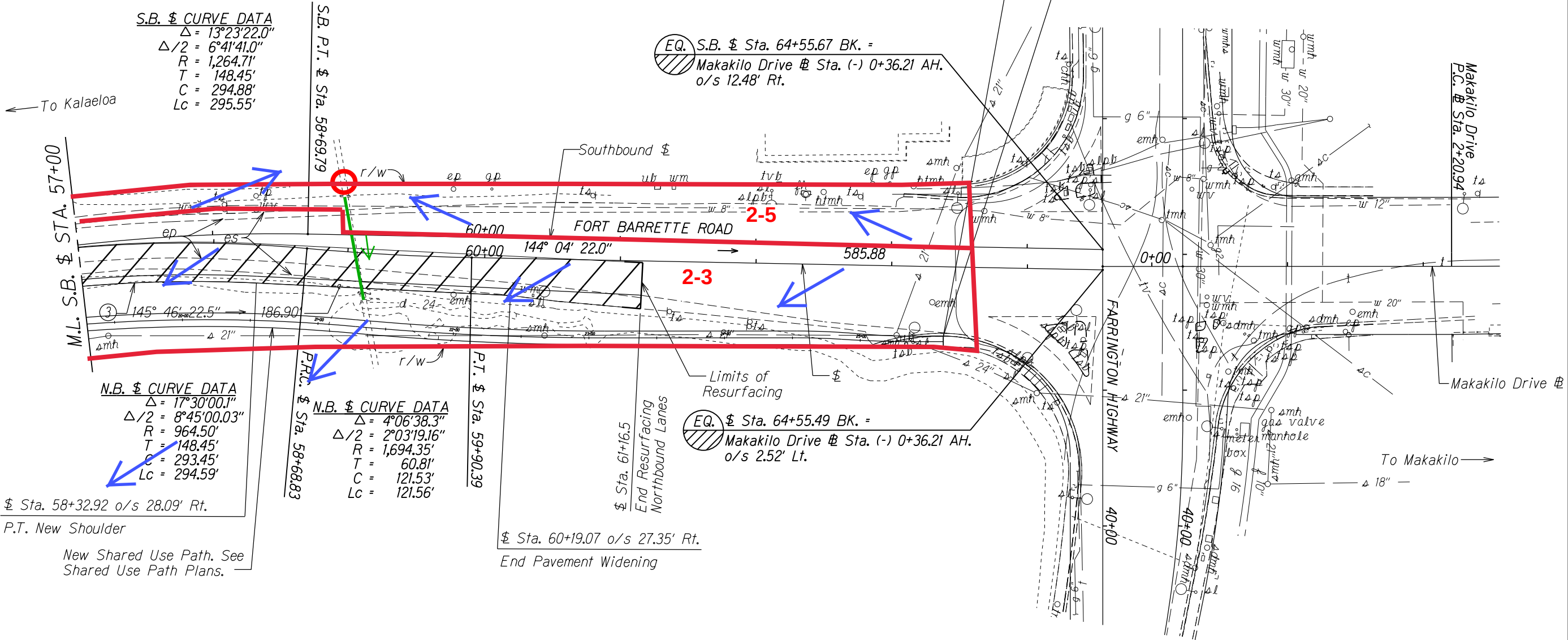
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SHEET No. 5 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	901A-01-19	2019	19	35

Attachment 5 Permitted Areas and Project Topography
Fort Barrette Road Operational Improvements

CURVE DATA FOR NEW ES	
	③
Δ	15°21'43"
$\Delta/2$	7°40'51.5"
R	971.00'
T	130.96'
C	259.56'
Lc	260.34'



* For Resurfacing Exception Details, See Sheet No. 7.

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

Note: Adjustment of Utility Manhole Covers to be verified in the field.

Resurfacing Limits

STATE OF HAWAII
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ROADWAY PLANS

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SHEET No. 6 OF 8 SHEETS