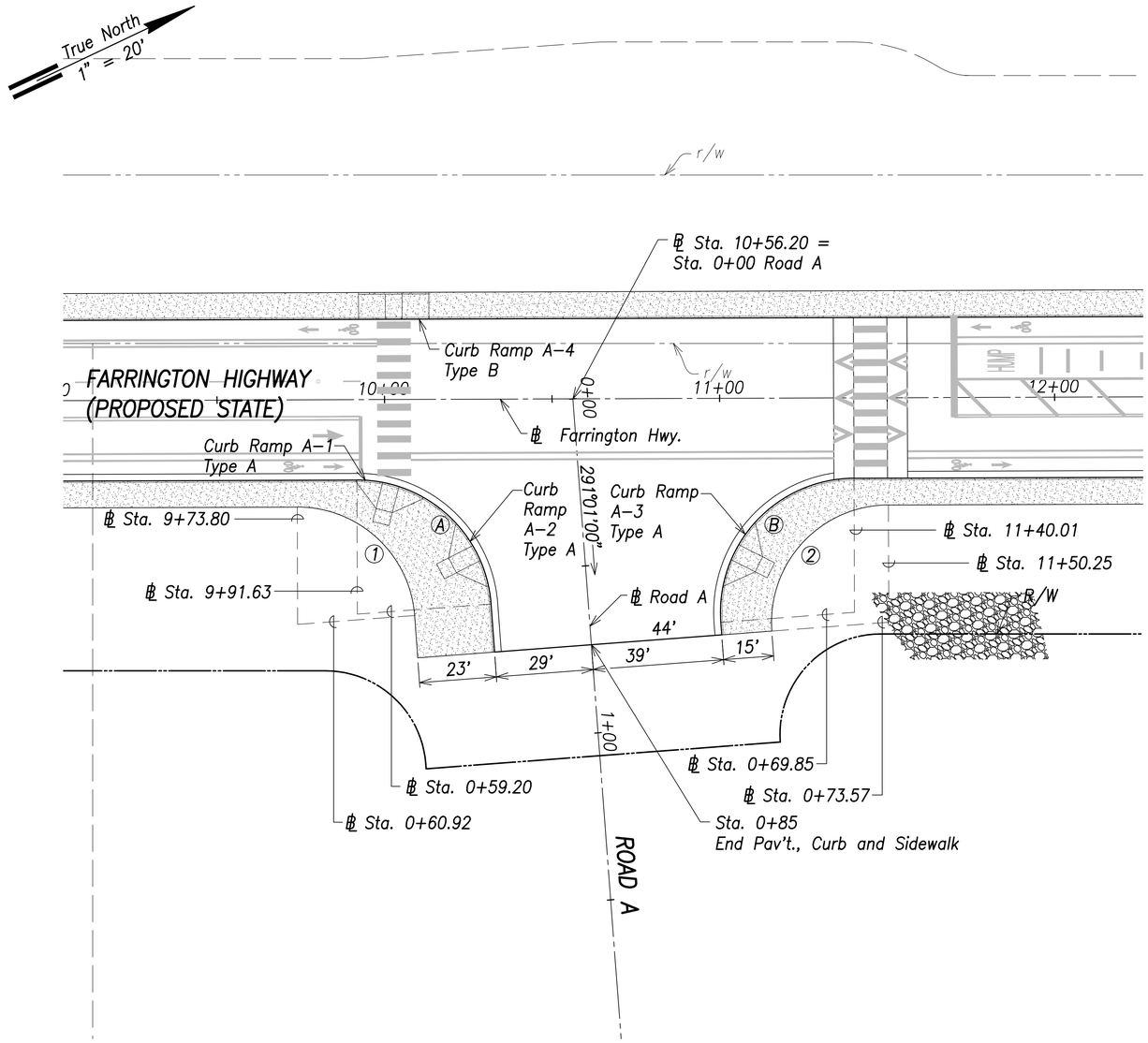
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	70	767



Intersection Plan – Intersection A

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
△=85°53'11"
△/2=42°56'35"
R=40.00'
T=37.23'
C=54.50'
Lc=59.96'

Ⓑ
△=94°06'49"
△/2=47°03'25"
R=40.00'
T=42.98'
C=58.56'
Lc=65.70'

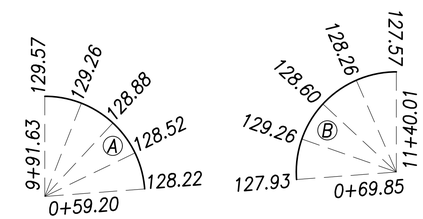
Back of Sidewalk Curve Data:

①
△=85°53'11"
△/2=42°56'35"
R=35.00'
T=32.57'
C=47.69'
Lc=52.46'

②
△=94°06'49"
△/2=47°03'25"
R=35.00'
T=37.61'
C=51.24'
Lc=57.49'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-183 to C-202.

Graphic Scale:

1" = 20' 20' 10' 0 20' 40'

Scale in Feet

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

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE — April 30, 2022 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection A

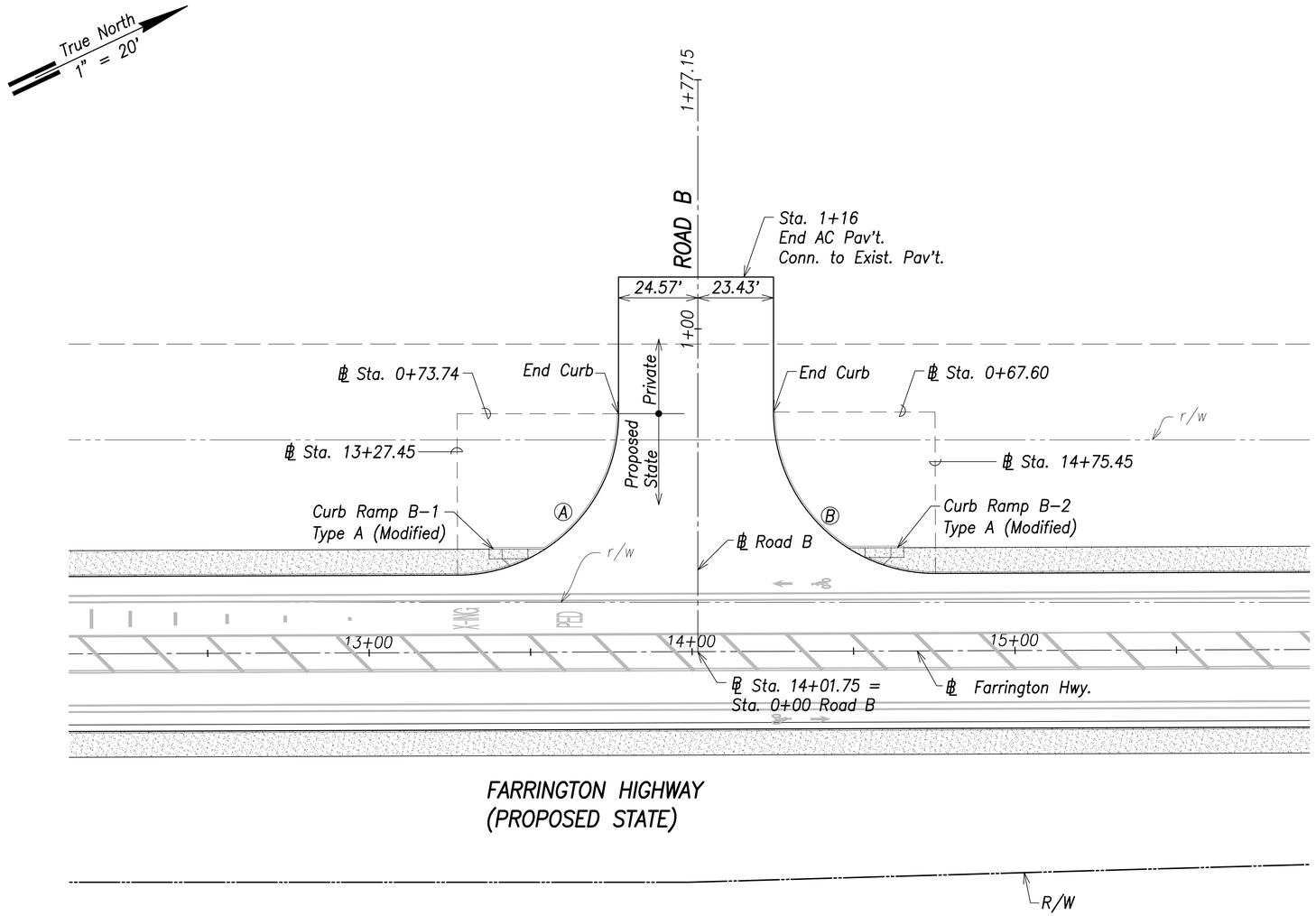
FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown Date: April 2022

SHEET No. C-69 OF 767 SHEETS

FILE: K:\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-69 Intersection Plan - Farrington Highway and Road A.dwg saved April 13, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	71	767



Intersection Plan – Intersection B

Scale: 1" = 20'

Curb Curve Data:

Ⓐ

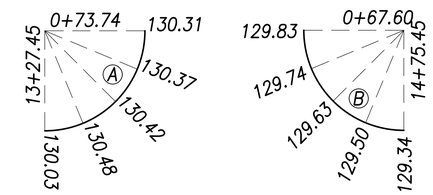
△=89°47'49"
△/2=44°53'54"
R=50.00'
T=49.82'
C=70.59'
Lc=78.36'

Ⓑ

△=90°12'11"
△/2=45°06'06"
R=50.00'
T=50.18'
C=70.84'
Lc=78.72'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-183 to C-189.

Graphic Scale:

1" = 20' 20' 10' 0 20' 40'

Scale in Feet

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

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

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SIGNATURE — April 30, 2022 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection B

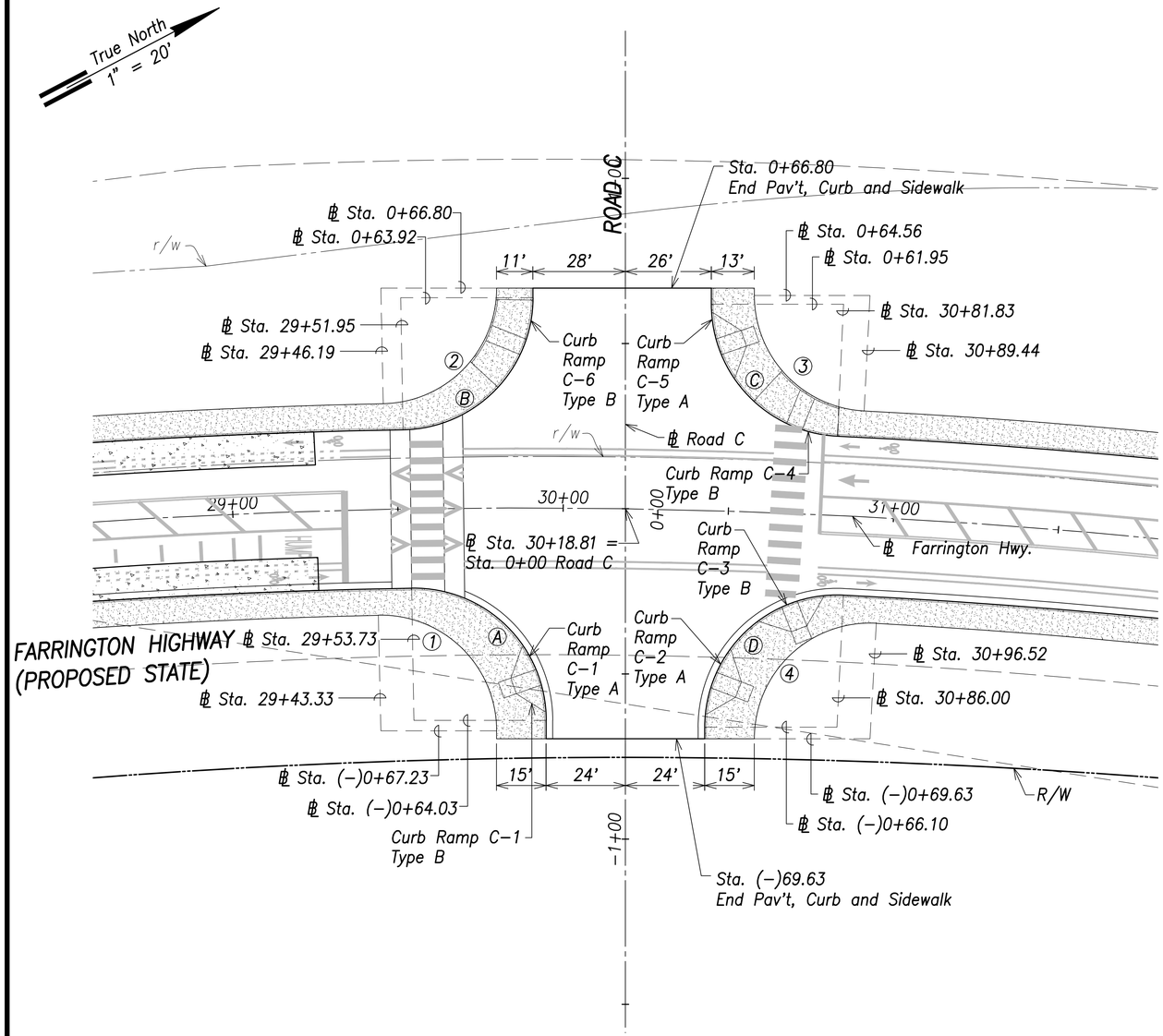
FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown Date: April 2022

SHEET No. C-70 OF 767 SHEETS

FILE: K:\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-70 Intersection Plan - Farrington Highway and Road B.dwg saved April 13, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	72	767



Intersection Plan – Intersection C

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
△=90°58'03"
△/2=45°29'01"
R=40.00'
T=40.68'
C=57.04'
Lc=63.51'

Ⓑ
△=88°58'53"
△/2=44°29'27"
R=40.00'
T=39.30'
C=56.06'
Lc=62.12'

Ⓒ
△=87°17'52"
△/2=43°38'56"
R=40.00'
T=38.16'
C=55.22'
Lc=60.95'

Ⓓ
△=92°49'19"
△/2=46°24'39"
R=40.00'
T=42.02'
C=57.94'
Lc=64.80'

Back of Sidewalk Curve Data:

①
△=91°15'56"
△/2=45°37'58"
R=35.00'
T=35.78'
C=50.04'
Lc=55.75'

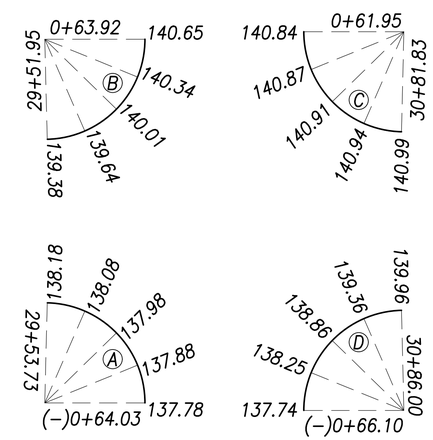
②
△=88°49'00"
△/2=44°24'30"
R=35.00'
T=34.28'
C=48.98'
Lc=54.25'

③
△=87°04'47"
△/2=43°32'23"
R=35.00'
T=33.26'
C=48.22'
Lc=53.19'

④
△=93°07'23"
△/2=46°33'41"
R=35.00'
T=36.96'
C=50.83'
Lc=56.89'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-183 to C-202.

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

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SIGNATURE — EXPIRATION DATE OF THE LICENSE: April 30, 2022

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection C

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

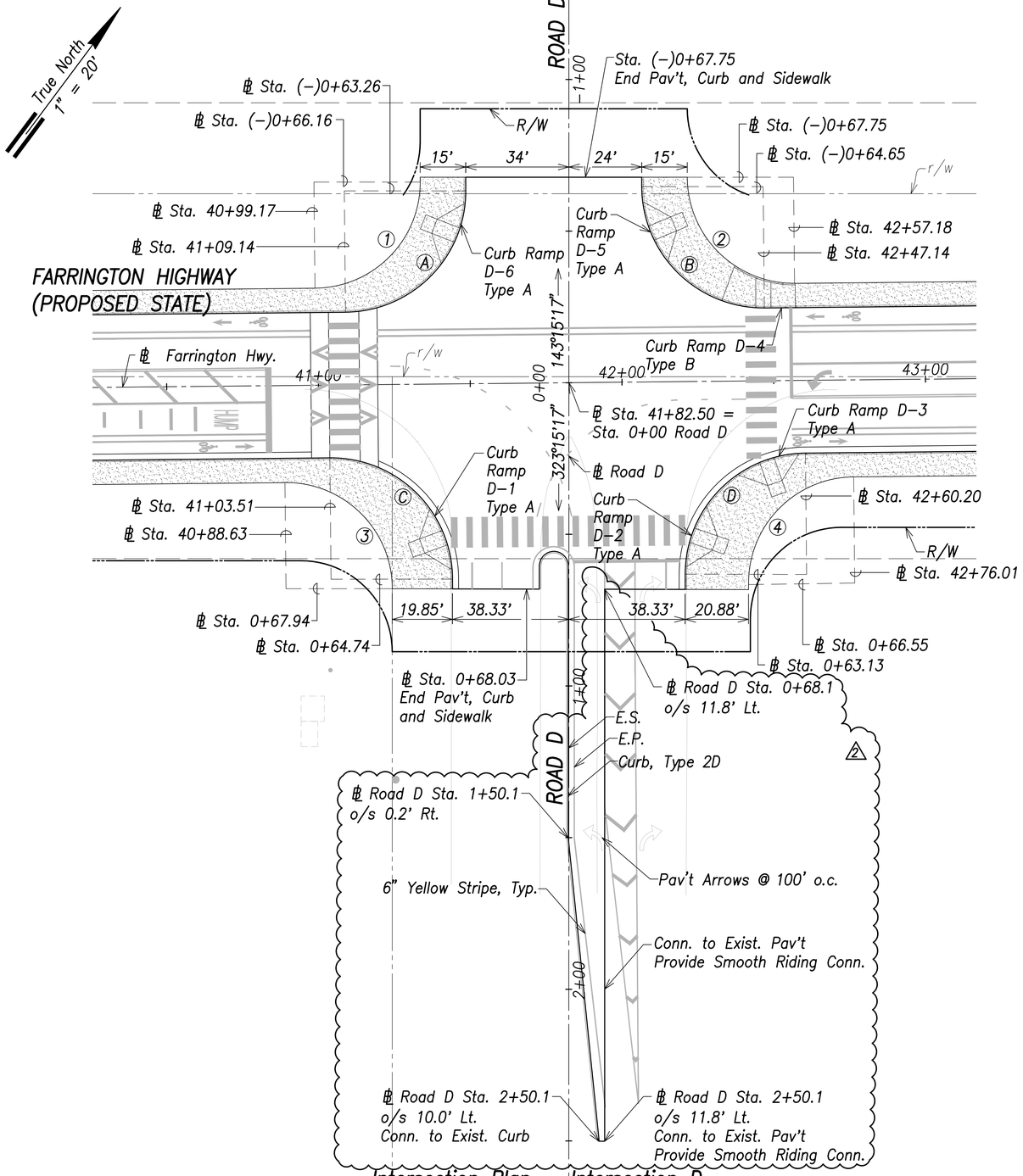
Scale: As Shown — Date: April 2022

SHEET No. C-71 OF 767 SHEETS

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

FILE: K:\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-71 Intersection Plan - Farrington Highway and Road C.dwg saved April 13, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	73	767



Intersection Plan – Intersection D

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
△=89°25'24"
△/2=44°42'42"
R=40.00'
T=39.60'
C=56.28'
Lc=62.43'

Ⓑ
△=90°34'36"
△/2=45°17'18"
R=40.00'
T=40.40'
C=56.85'
Lc=63.23'

Ⓒ
△=90°30'09"
△/2=45°15'4.5"
R=40.00'
T=40.35'
C=56.82'
Lc=63.18'

Ⓓ
△=89°17'44"
△/2=44°38'52"
R=40.00'
T=39.51'
C=56.22'
Lc=62.34'

℄ Curve Data:

①
△=89°25'24"
△/2=44°42'42"
R=35.00'
T=34.65'
C=49.25'
Lc=54.63'

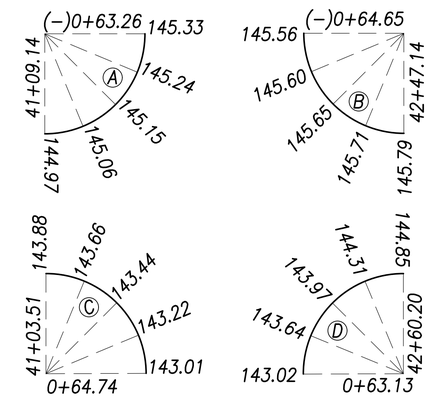
②
△=90°34'36"
△/2=45°17'18"
R=35.00'
T=35.35'
C=49.75'
Lc=55.33'

③
△=90°34'18"
△/2=54°17'9"
R=35.00'
T=35.35'
C=49.74'
Lc=55.33'

④
△=90°13'45"
△/2=40°38'52"
R=35.00'
T=35.14'
C=49.60'
Lc=55.12'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C–50 to C–68.
2. For roadway grading, drainage, and stormwater quality, see sheets C–86 to C–103.
3. For curb ramp layout and grading, see sheets C–183 to C–189.

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

DATE	REVISION
06/08/22	2 Notes added

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection D

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A–01–20

Scale: As Shown Date: April 2022

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

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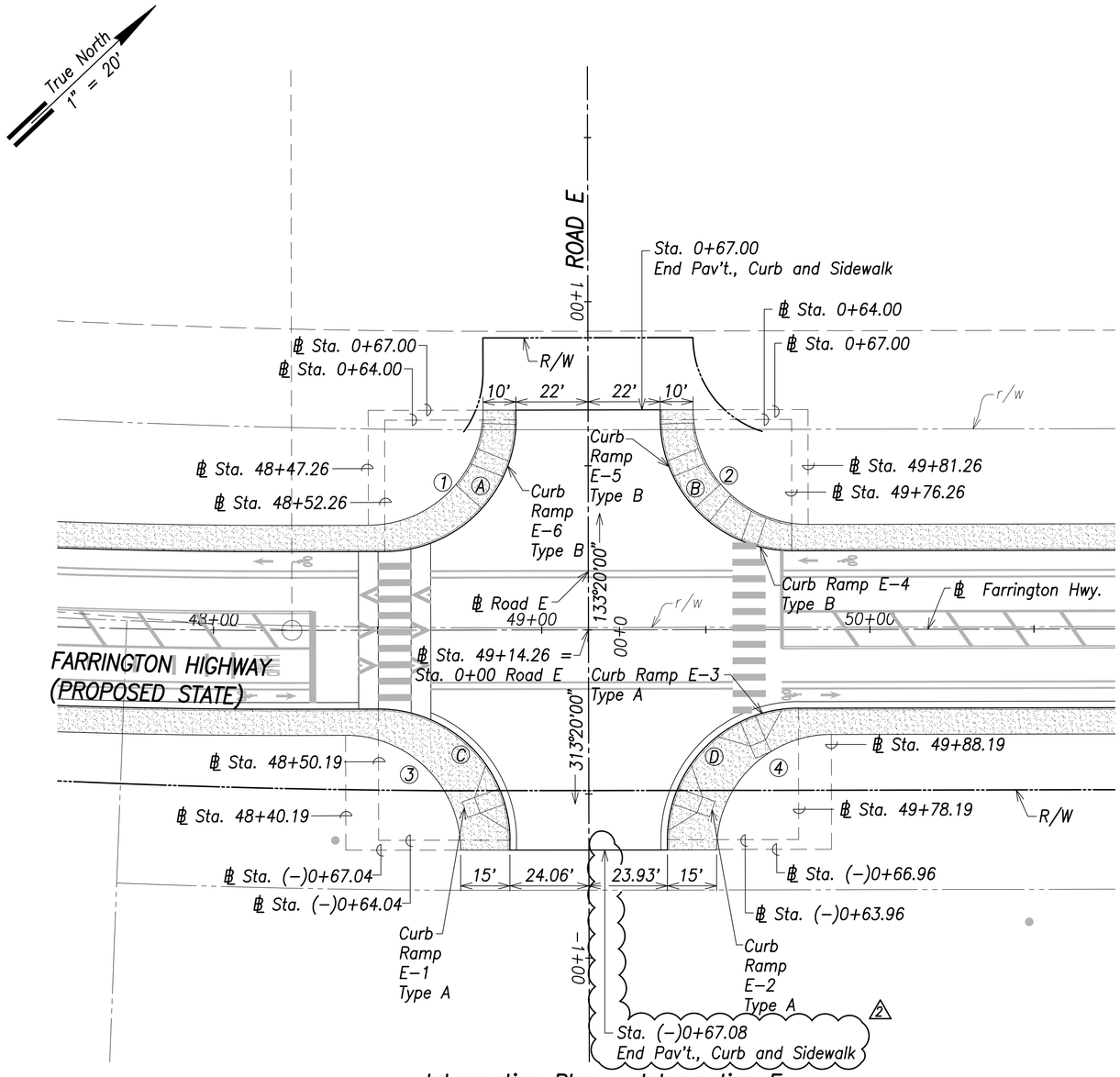
SIGNATURE April 30, 2022 EXPIRATION DATE OF THE LICENSE

SHEET No. C-72 OF 767 SHEETS

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

FILE: \\FNHC-FS\Project\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-72 Intersection Plan - Farrington Highway and Road D.dwg saved May 27, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-20	2021	74	767



Intersection Plan – Intersection E

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
Δ=90°00'00"
Δ/2=45°00'00"
R=40.00'
T=40.00'
C=56.57'
Lc=62.83'

Ⓑ
Δ=90°00'00"
Δ/2=45°00'00"
R=40.00'
T=40.00'
C=56.57'
Lc=62.83'

Ⓒ
Δ=90°03'29"
Δ/2=45°01'44.5"
R=40.00'
T=40.04'
C=56.60'
Lc=62.87'

Ⓓ
Δ=89°56'31"
Δ/2=44°58'21"
R=40.00'
T=39.96'
C=56.54'
Lc=62.79'

Back of Sidewalk Curve Data:

①
Δ=90°00'00"
Δ/2=45°00'00"
R=35.00'
T=35.00'
C=49.50'
Lc=54.98'

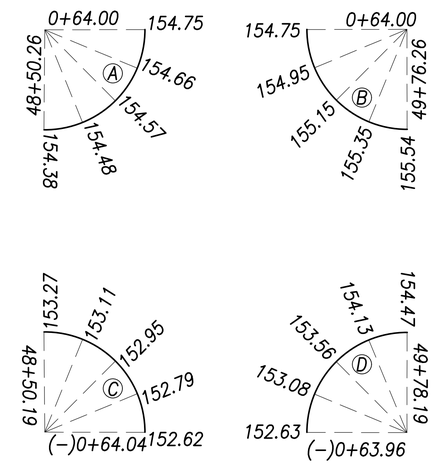
②
Δ=90°00'00"
Δ/2=45°00'00"
R=35.00'
T=35.00'
C=49.50'
Lc=54.98'

③
Δ=90°03'29"
Δ/2=45°01'44.5"
R=35.00'
T=35.04'
C=49.52'
Lc=55.01'

④
Δ=89°56'31"
Δ/2=45°58'15.5"
R=35.00'
T=34.96'
C=49.47'
Lc=54.94'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C–50 to C–68.
2. For roadway grading, drainage, and stormwater quality, see sheets C–86 to C–103.
3. For curb ramp layout and grading, see sheets C–183 to C–202.

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

DATE	REVISION
06/08/22	2 Added callout

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection E

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A–01–20

Scale: As Shown Date: April 2022

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

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SIGNATURE April 30, 2022 EXPIRATION DATE OF THE LICENSE

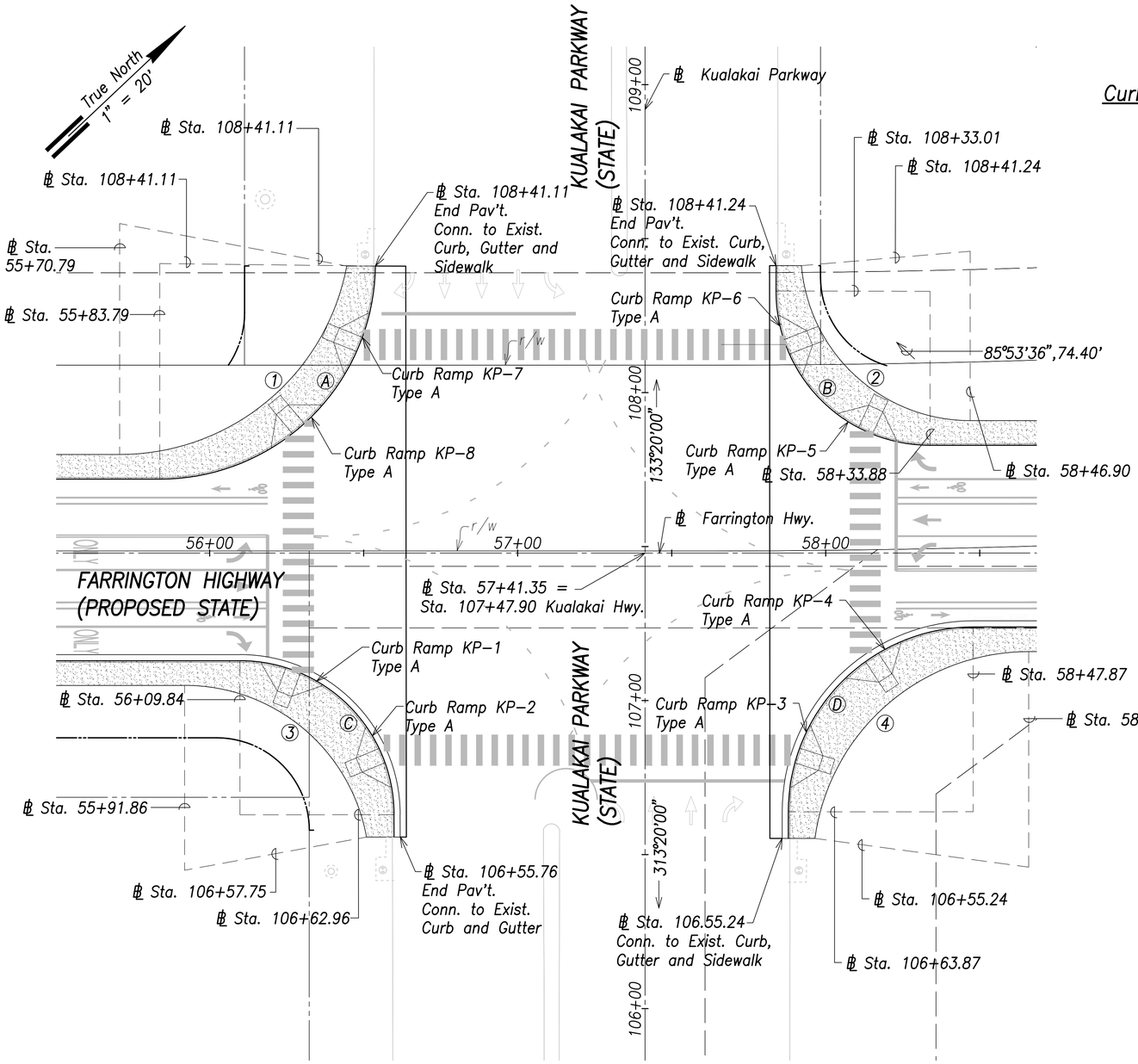
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	
	TRACED BY	
NOTE BOOK	DESIGNED BY	
No.	QUANTITIES BY	
	CHECKED BY	

SHEET No. C-73 OF 767 SHEETS

ADD. 74

FILE: \\FHWC-FS\project\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-73 Intersection Plan - Farrington Highway and Road E.dwg saved May 31, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	75	767



Intersection Plan – Kualakai Parkway

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
△=89°20'47"
△/2=44°40'23.5"
R=70.00'
T=69.21'
C=98.43'
Lc=109.16'

Ⓑ
△=90°07'06"
△/2=45°3'33"
R=50.00'
T=50.10'
C=70.78'
Lc=78.64'

Ⓒ
△=89°56'27"
△/2=44°58'13.5"
R=50.00'
T=49.95'
C=70.67'
Lc=78.49'

Ⓓ
△=90°01'49"
△/2=45°0'54.5"
R=60.00'
T=60.03'
C=84.88'
Lc=94.28'

℄ Curve/ Back of Curb Data:

①
△=79°23'54"
△/2=39°41'57"
R=75.00'
T=62.26'
C=95.81'
Lc=103.93'

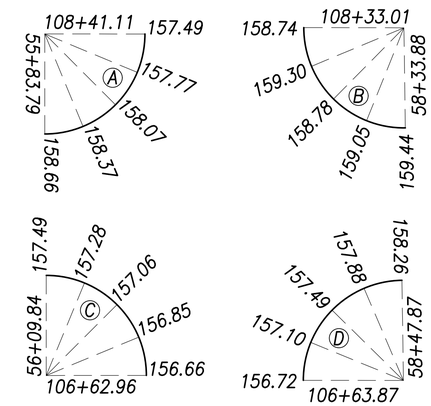
②
△=85°07'11"
△/2=42°33'35.5'
R=55.00'
T=50.50'
C=74.40'
Lc=81.71'

③
△=79°39'03"
△/2=39°49'30"
R=60.00'
T=50.04'
C=76.85'
Lc=83.41'

④
△=82°20'02"
△/2=44°10'01"
R=70.00'
T=61.21'
C=92.16'
Lc=100.59'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-183 to C-202.

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

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SIGNATURE — April 30, 2022 EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Kualakai Parkway

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

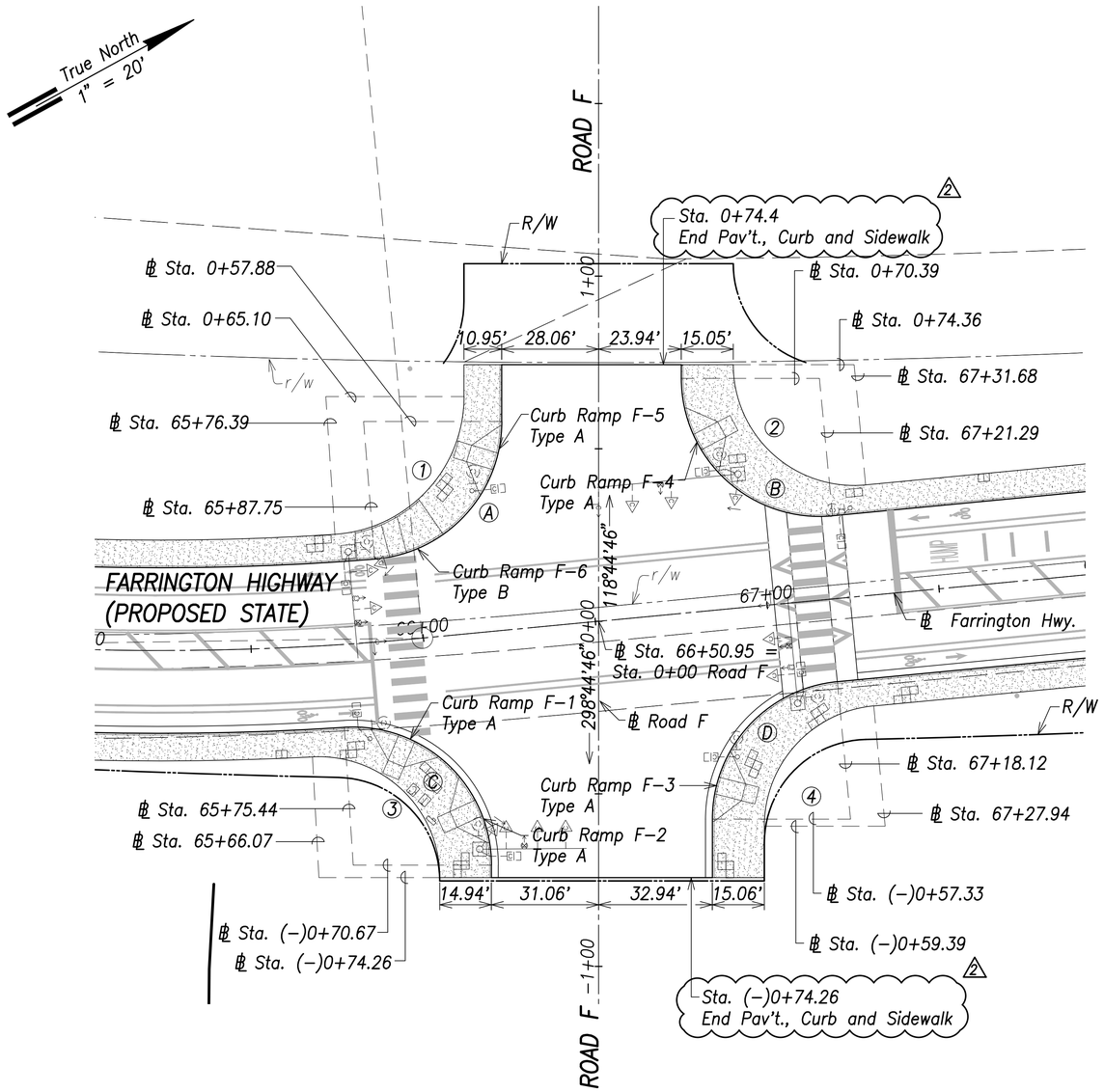
Scale: As Shown Date: April 2022

SHEET No. C-74 OF 767 SHEETS

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

FILE: K:\Civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-74 Intersection Plan - Farrington Highway and Kualakai.dwg saved April 13, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	76	767



Intersection Plan – Intersection F

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
Δ=85°24'18"
Δ/2=42°42'09"
R=40.00'
T=36.91'
C=54.26'
Lc=59.62'

Ⓑ
Δ=95°26'52"
Δ/2=47°43'26"
R=40.00'
T=44.00'
C=59.19'
Lc=66.64'

Ⓒ
Δ=93°42'50"
Δ/2=46°51'25"
R=40.00'
T=42.68'
C=58.37'
Lc=65.42'

Ⓓ
Δ=84°33'08"
Δ/2=42°16'34"
R=40.00'
T=36.37'
C=53.82'
Lc=59.03'

Back of Sidewalk Curve Data:

①
Δ=86°13'05"
Δ/2=43°06'33"
R=40.00'
T=37.44'
C=54.67'
Lc=60.19'

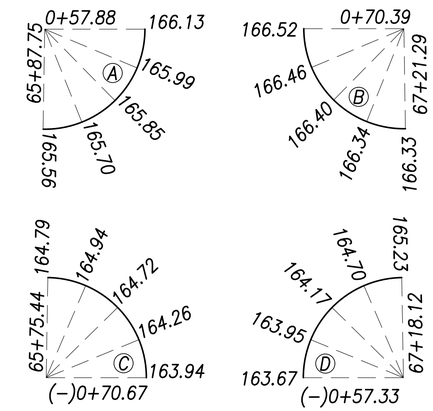
②
Δ=95°26'52"
Δ/2=47°43'26"
R=35.00'
T=38.50'
C=51.79
Lc=58.31'

③
Δ=93°02'31"
Δ/2=46°31'16"
R=35.00'
T=36.91'
C=50.79'
Lc=56.84'

④
Δ=84°33'08"
Δ/2=42°16'34"
R=40.00'
T=36.37'
C=53.82'
Lc=59.03'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-184 to C-202.

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

DATE	REVISION
06/08/22	2 Revised callouts

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection F

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown Date: April 2022

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

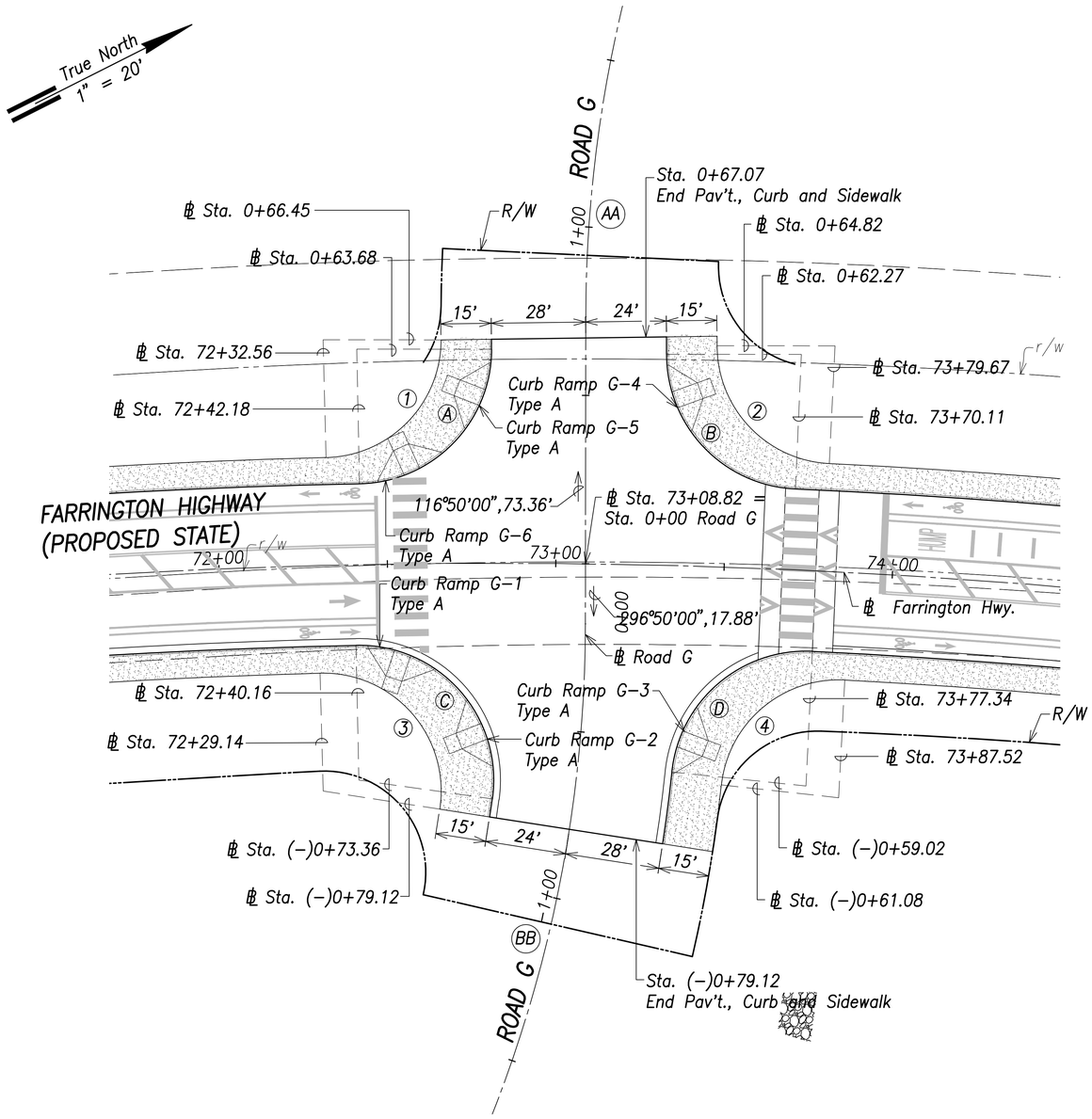
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE — April 30, 2022 EXPIRATION DATE OF THE LICENSE

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

FILE: \\RMC-FS\Project\Civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-75 Intersection Plan - Farrington Highway and Road F.dwg saved May 31, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	77	767



Intersection Plan – Intersection G

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
Δ=88°46'56"
Δ/2=44°23'28"
R=40.00'
T=39.16'
C=55.96'
Lc=61.98'

Ⓑ
Δ=87°33'10"
Δ/2=43°46'35"
R=40.00'
T=38.33'
C=55.35'
Lc=61.12'

Ⓒ
Δ=99°13'19"
Δ/2=49°36'40"
R=40.00'
T=47.02'
C=60.93'
Lc=69.27'

Ⓓ
Δ=86°45'42"
Δ/2=43°22'51"
R=40.00'
T=37.80'
C=54.95'
Lc=60.57'

℄ Curve Data:

①
Δ=88°30'24"
Δ/2=44°15'12"
R=35.00'
T=34.10'
C=48.85'
Lc=54.07'

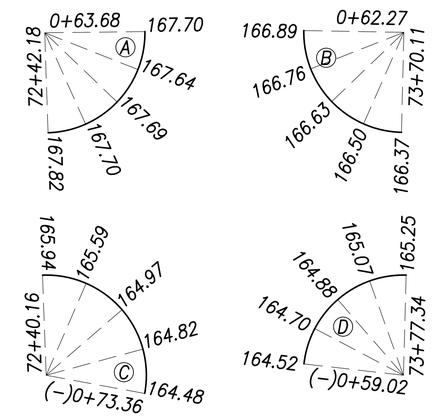
②
Δ=87°16'44"
Δ/2=43°38'22"
R=35.00'
T=33.38'
C=48.31'
Lc=53.32'

③
Δ=100°21'49"
Δ/2=50°10'55"
R=35.00'
T=41.98'
C=53.77'
Lc=61.31'

④
Δ=86°45'28"
Δ/2=43°22'44"
R=35.00'
T=43.07'
C=48.08'
Lc=53.00'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-184 to C-202.

Road G Curve Data:

AA
Δ=25°17'42"
Δ/2=12°38'51"
R=400.00'
T=89.76'
C=175.16'
Lc=176.59'

BB
Δ=26°45'00"
Δ/2=13°22'30"
R=400.00'
T=95.11'
C=185.06'
Lc=186.75'

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE — EXPIRATION DATE OF THE LICENSE: April 30, 2022

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection G

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

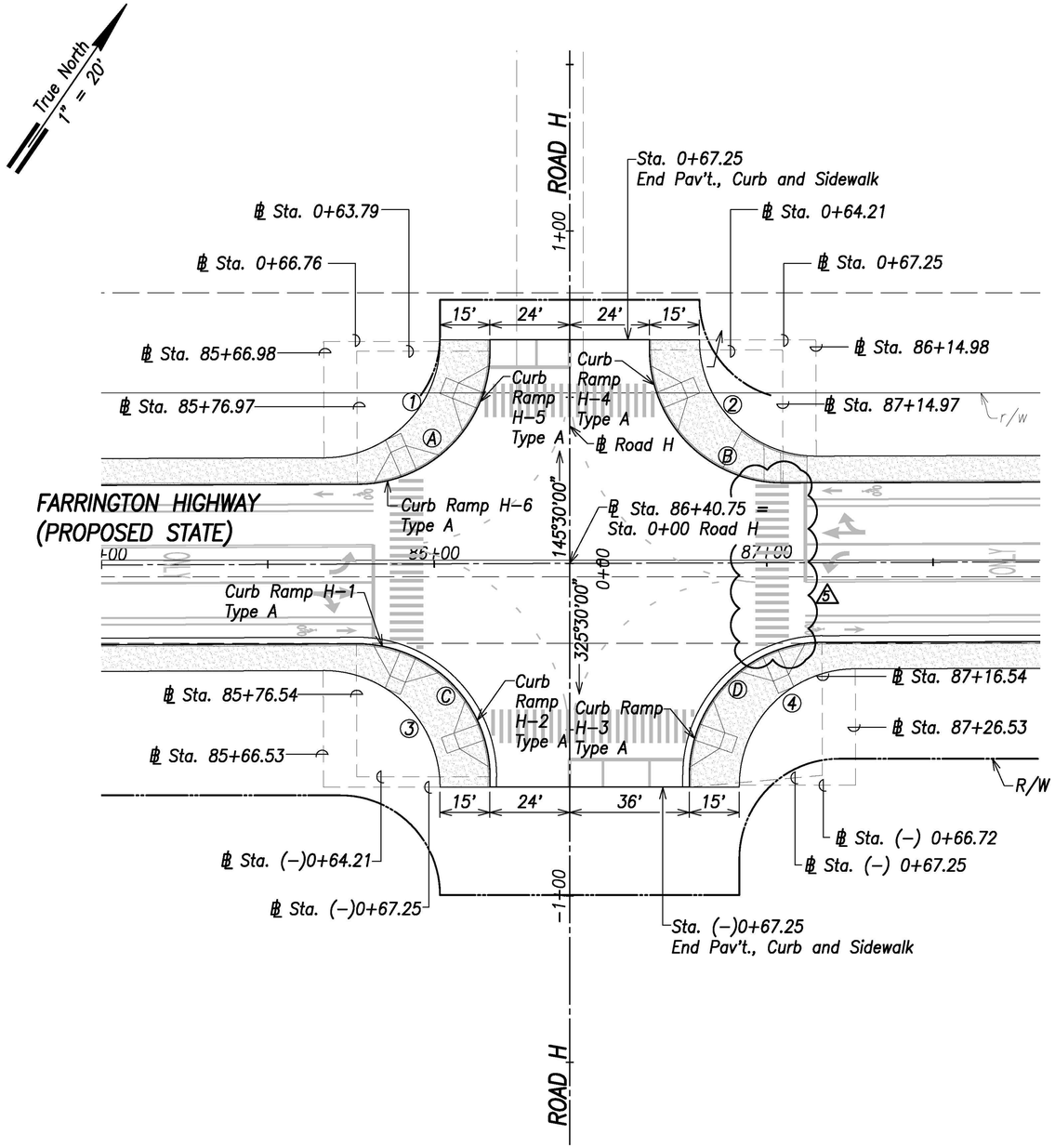
Scale: As Shown — Date: April 2022

SHEET No. C-76 OF 767 SHEETS

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

FILE: K:\Civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-76 Intersection Plan - Farrington Highway and Road G.dwg saved April 13, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-20	2021	78	767



Intersection Plan – Intersection H

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
Δ=89°48'36"
Δ/2=44°54'84"
R=40.00'
T=39.87'
C=56.47'
Lc=62.70'

Ⓑ
Δ=90°11'24"
Δ/2=45°05'42"
R=40.00'
T=40.13'
C=56.66'
Lc=62.96'

Ⓒ
Δ=90°11'24"
Δ/2=45°05'42"
R=40.00'
T=40.13'
C=56.66'
Lc=62.96'

Ⓓ
Δ=89°48'36"
Δ/2=44°54'18"
R=40.00'
T=39.87'
C=56.47'
Lc=62.70'

℄/Back of Curb Curve Data:

①
Δ=89°48'36"
Δ/2=44°54'18"
R=35.00'
T=34.88'
C=49.42'
Lc=54.86'

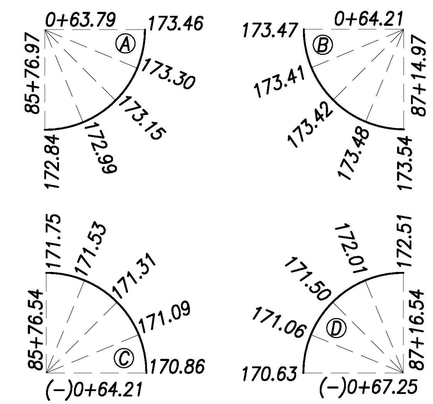
②
Δ=90°11'24"
Δ/2=45°05'42"
R=35.00'
T=35.12'
C=49.58'
Lc=55.09'

③
Δ=90°11'24"
Δ/2=45°05'42"
R=35.00'
T=35.12'
C=49.58'
Lc=55.09'

④
Δ=89°48'36"
Δ/2=44°54'18"
R=35.00'
T=34.88'
C=49.42'
Lc=54.86'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-184 to C-202.
4. Future HECO Electrical System, Construction Will Occur at the Same as this Project (Farrington Highway Improvements). The Contractor Shall Fully Coordinate Work with HECO and their Contractor. The Cost to Coordinate Work Will be Considered Incidental to the Various Items of Work.

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

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

07/15/22	5 Speed Table removed

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection H

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown Date: April 2022

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

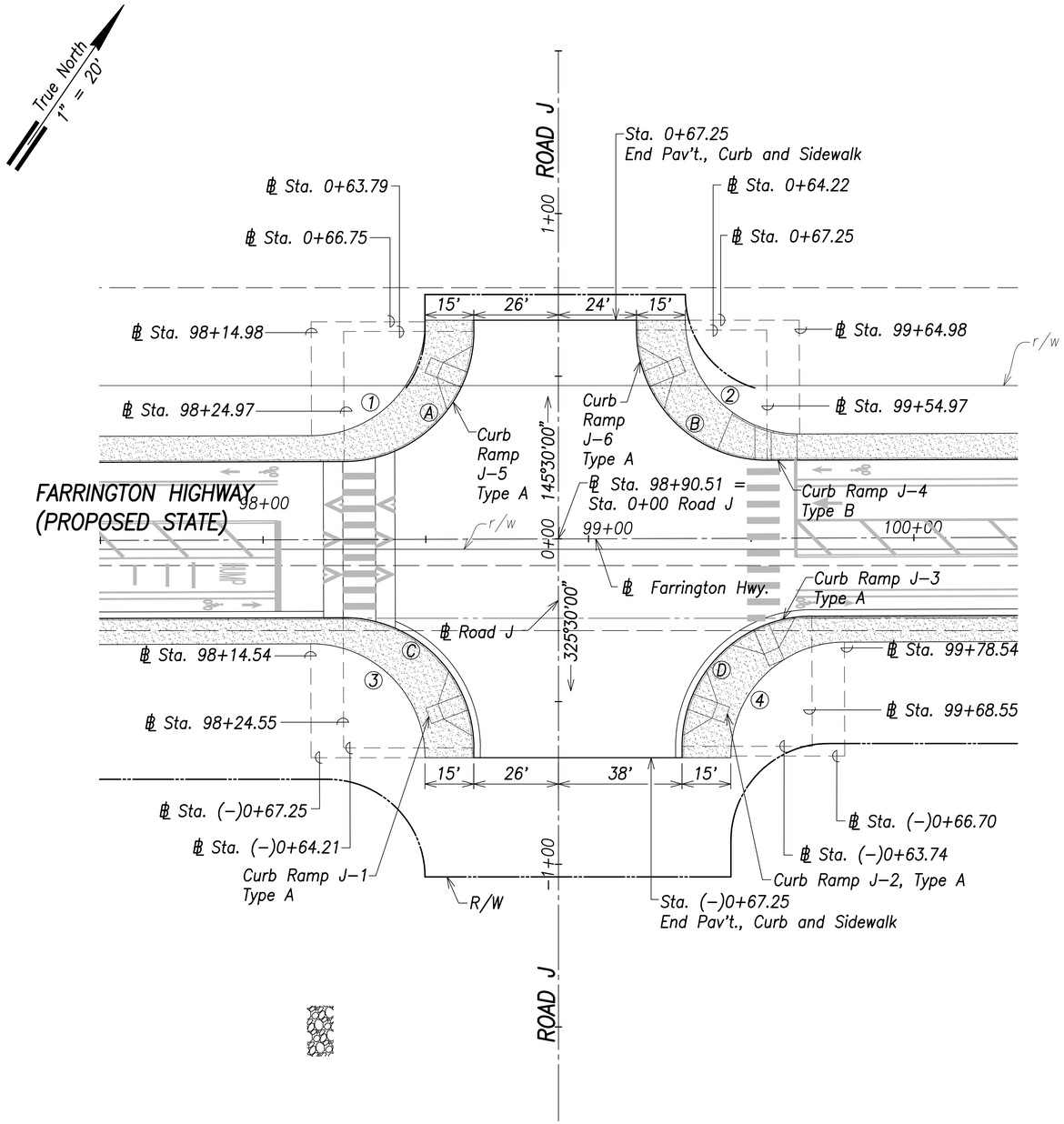
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE — EXPIRATION DATE OF THE LICENSE: April 30, 2024

SHEET No. C-77 OF 767 SHEETS

FILE: K:\Job\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-77 Intersection Plan - Farrington Highway and Road H.dwg saved July 11, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-20	2021	79	767



Intersection Plan – Intersection J

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
△=89°48'36"
△/2=44°54'18"
R=40.00'
T=39.87'
C=56.47'
Lc=62.70'

Ⓑ
△=90°11'24"
△/2=15°05'42"
R=40.00'
T=40.13'
C=56.66'
Lc=62.96'

Ⓒ
△=90°11'24"
△/2=15°05'42"
R=40.00'
T=40.13'
C=56.66'
Lc=62.96'

Ⓓ
△=89°48'36"
△/2=44°54'18"
R=40.00'
T=39.87'
C=56.47'
Lc=62.70'

℄/Back of Sidewalk Curve Data:

①
△=89°48'36"
△/2=44°54'18"
R=35.00'
T=34.88'
C=49.42'
Lc=54.86'

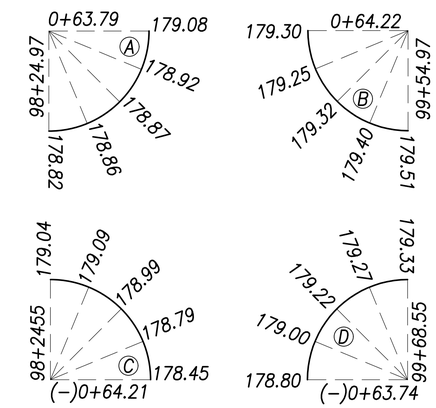
②
△=90°11'24"
△/2=15°05'42"
R=35.00'
T=35.12'
C=49.58'
Lc=55.09'

③
△=90°11'24"
△/2=15°05'42"
R=35.00'
T=35.12'
C=49.58'
Lc=55.09'

④
△=89°48'36"
△/2=44°54'18"
R=35.00'
T=34.88'
C=49.42'
Lc=54.86'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-184 to C-202.
4. Future HECO Electrical System, Construction Will Occur at the Same as this Project (Farrington Highway Improvements). The Contractor Shall Fully Coordinate Work with HECO and their Contractor. The Cost to Coordinate Work Will be Considered Incidental to the Various Items of Work.

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

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

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

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SIGNATURE — EXPIRATION DATE OF THE LICENSE: April 30, 2022

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection J

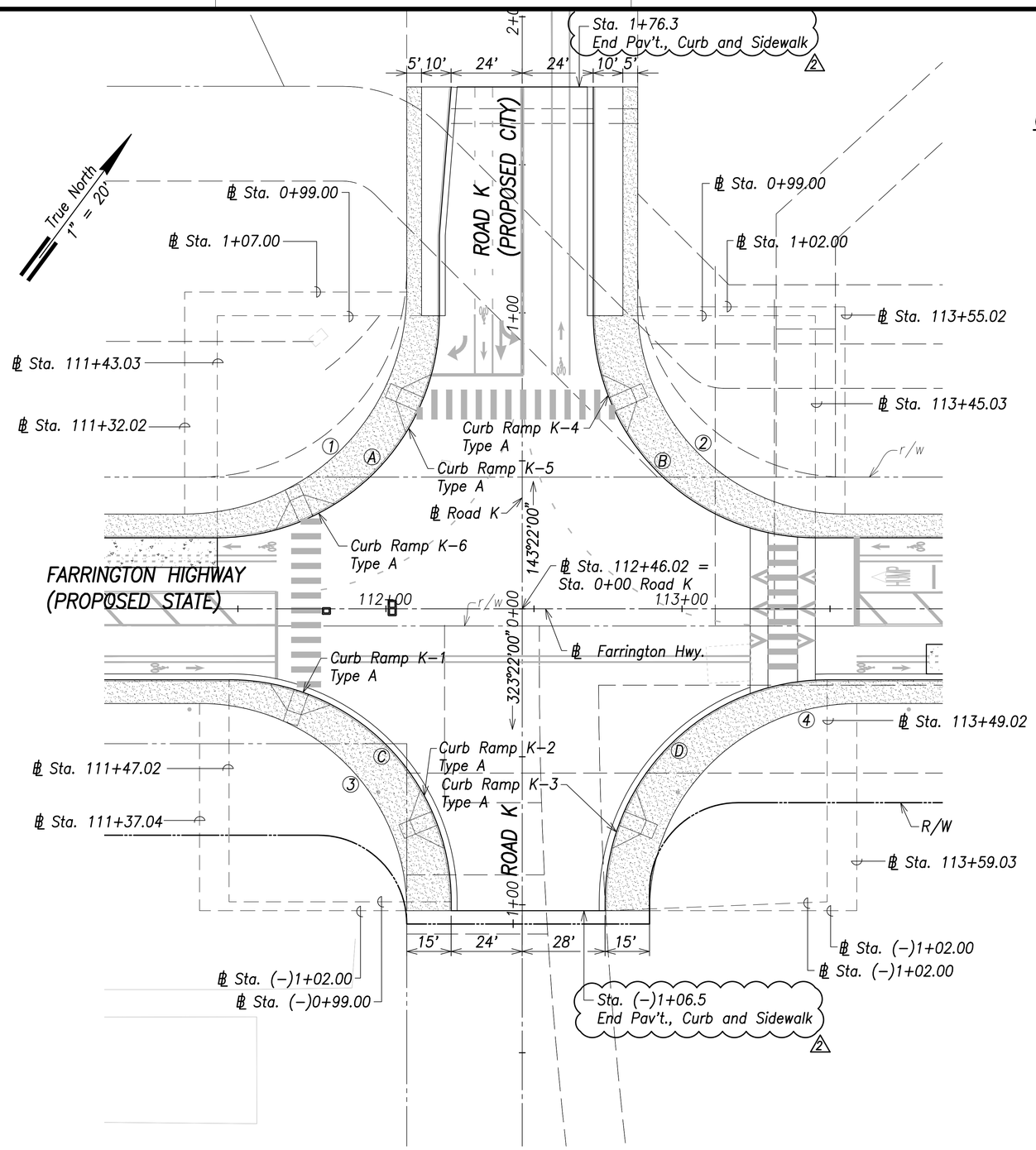
FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown — Date: April 2022

SHEET No. C-78 OF 767 SHEETS

FILE: K:\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-78 Intersection Plan - Farrington Highway and Road J.dwg saved April 13, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-20	2021	80	767



Intersection Plan – Intersection K

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
△=90°00'00"
△/2=45°00'00"
R=75.00'
T=75.00'
C=106.07'
Lc=117.81'

Ⓑ
△=90°00'00"
△/2=45°00'00"
R=75.00'
T=75.00'
C=106.07'
Lc=117.81'

Ⓒ
△=90°00'00"
△/2=45°00'00"
R=75.00'
T=75.00'
C=106.07'
Lc=117.81'

Ⓓ
△=90°00'00"
△/2=45°00'00"
R=75.00'
T=75.00'
C=106.07'
Lc=117.81'

Back of Sidwalk Data:

①
△=90°00'00"
△/2=45°00'00"
R=75.00'
T=75.00'
C=106.07'
Lc=117.81'

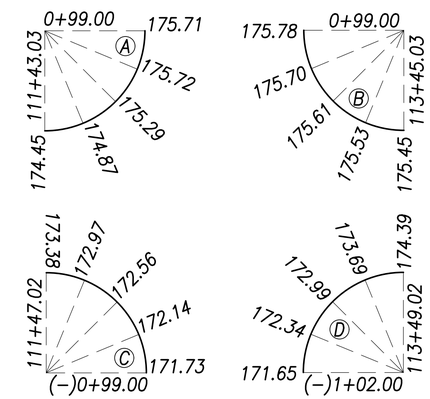
②
△=90°00'00"
△/2=45°00'00"
R=70.00'
T=70.00'
C=98.99'
Lc=109.96'

③
△=90°00'00"
△/2=45°00'00"
R=70.00'
T=70.00'
C=98.99'
Lc=109.96'

④
△=90°00'00"
△/2=45°00'00"
R=70.00'
T=70.00'
C=98.99'
Lc=109.96'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-184 to C-202.

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

DATE	REVISION
06/08/22	2 Added callouts

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection K

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown Date: April 2022

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

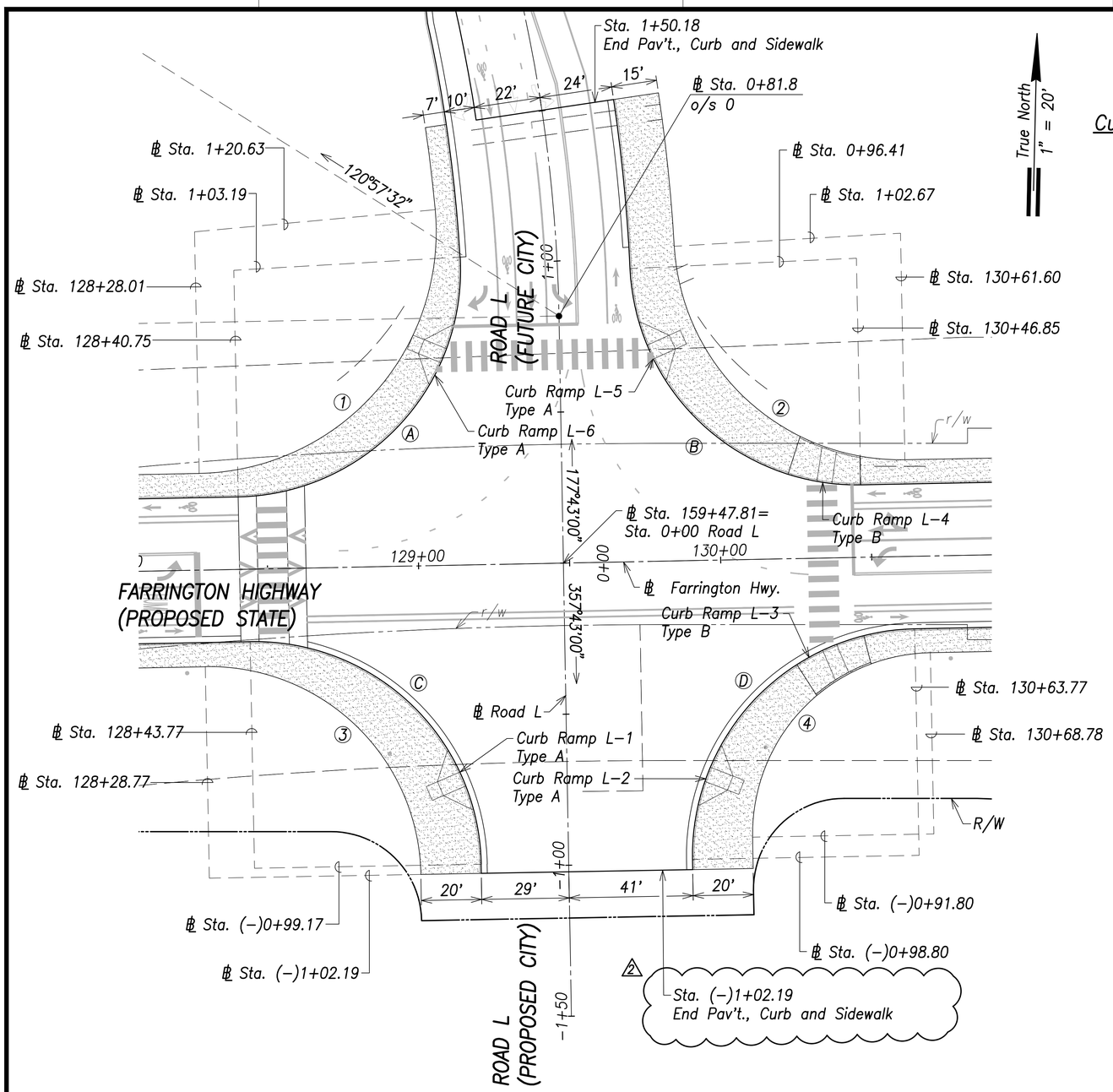
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE — EXPIRATION DATE OF THE LICENSE: April 30, 2022

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

FILE: \\RMTC-FS\Projects\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-79 Intersection Plan - Farrington Highway and Road K.dwg saved May 31, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	81	767



Intersection Plan – Intersection L

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
Δ=92°14'18"
Δ/2=46°07'14"
R=75.00'
T=77.99'
C=108.12'
Lc=120.74'

Ⓑ
Δ=88°30'03"
Δ/2=44°15'02"
R=75.00'
T=73.06'
C=704.67'
Lc=115.85'

Ⓒ
Δ=90°05'42"
Δ/2=45°02'51"
R=75.00'
T=75.12'
C=106.15'
Lc=117.93'

Ⓓ
Δ=89°54'18"
Δ/2=44°57'09"
R=75.00'
T=74.88'
C=105.98'
Lc=117.69'

Back of Sidewalk Curve Data:

①
Δ=94°08'32"
Δ/2=47°04'16"
R=80.00'
T=86.00'
C=117.15'
Lc=131.45'

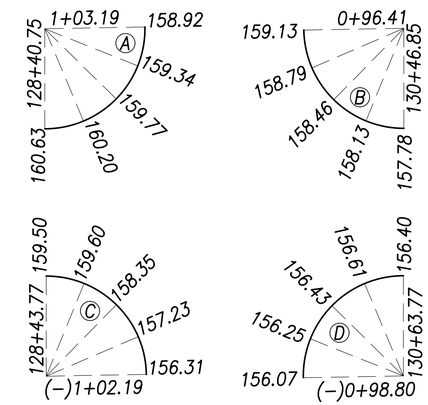
②
Δ=87°49'06"
Δ/2=43°54'33"
R=75.00'
T=72.20'
C=104.03'
Lc=114.95'

③
Δ=90°05'42"
Δ/2=45°02'51"
R=70.00'
T=70.12'
C=99.08'
Lc=110.07'

④
Δ=89°54'18"
Δ/2=44°57'09"
R=60.00'
T=59.90'
C=84.78'
Lc=94.15'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-184 to C-202.

Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

DATE	REVISION
06/08/22	2 Revised callout

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection L

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown Date: April 2022

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

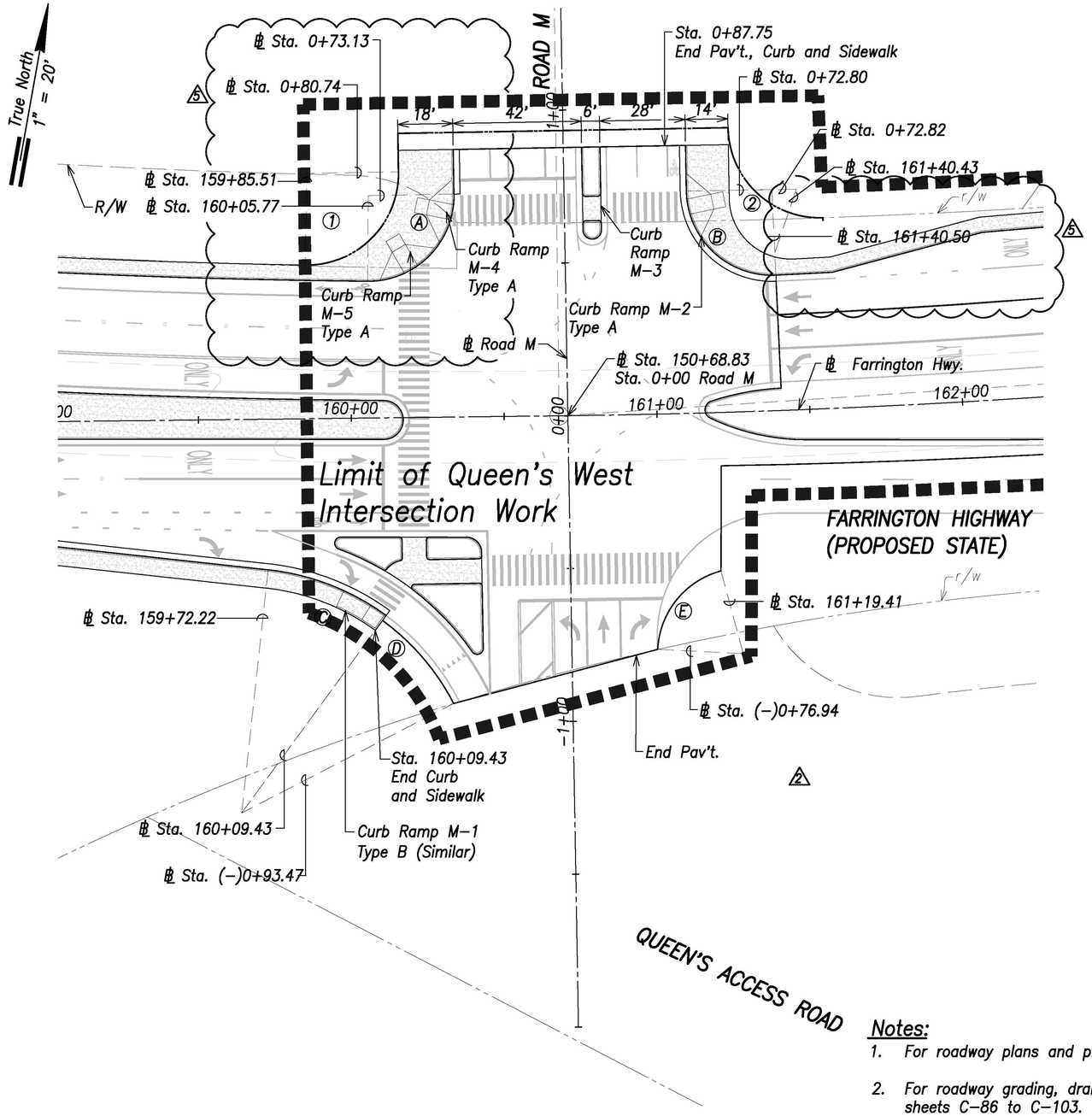
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE — EXPIRATION DATE OF THE LICENSE: April 30, 2022

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

FILE: \\RMC-FS\project\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-80 Intersection Plan - Farrington Highway and Road L.dwg saved May 31, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-20	2021	82	767



Intersection Plan – Intersection M

Scale: 1" = 20'

Curb Curve Data:

Ⓐ
Δ=91°32'42"
Δ/2=45°46'21"
R=28.00'
T=28.77'
C=40.13'
Lc=44.74'

Ⓑ
Δ=91°40'23"
Δ/2=45°50'12"
R=28.00'
T=28.83'
C=40.17'
Lc=44.80'

Ⓒ
Δ=29°58'43"
Δ/2=14°59'21"
R=80.00'
T=21.42'
C=41.38'
Lc=41.86'

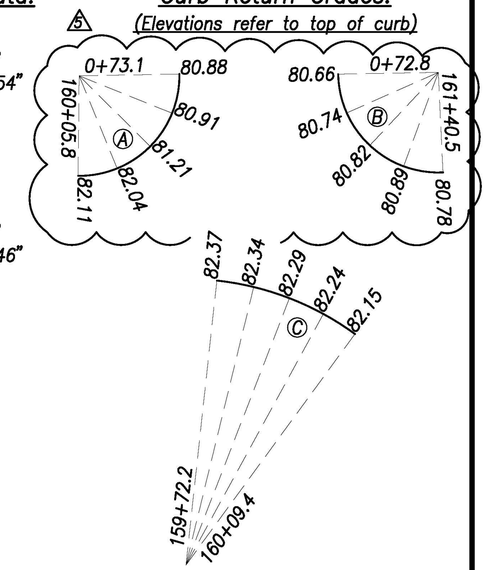
Back of Sidewalk Data:

①
Δ=91°57'48"
Δ/2=45°58'54"
R=30.00'
T=31.05'
C=43.15'
Lc=48.15'

②
Δ=70°21'32"
Δ/2=35°10'46"
R=22.00'
T=15.51'
C=25.35'
Lc=27.02'

Curb Return Grades:

(Elevations refer to top of curb)

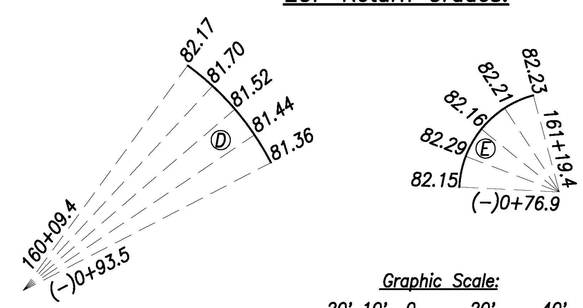


EOP Curve Data:

Ⓓ
Δ=26°29'15"
Δ/2=13°14'37"
R=78.00'
T=18.36'
C=35.74'
Lc=36.06'

Ⓔ
Δ=72°07'23"
Δ/2=36°03'41"
R=28.00'
T=20.39'
C=32.96'
Lc=35.25'

EOP Return Grades:



Graphic Scale:
1" = 20' 20' 10' 0 20' 40'
Scale in Feet

Notes:

1. For roadway plans and profiles, see sheets C-50 to C-68.
2. For roadway grading, drainage, and stormwater quality, see sheets C-86 to C-103.
3. For curb ramp layout and grading, see sheets C-184 to C-202.

DATE	REVISION
07/15/22	5 Curb Return Revised
06/08/22	2 Revised callout

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Intersection M

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown Date: April 2022

CRAIG W. L. LUKE
LICENSED PROFESSIONAL ENGINEER
No. 6935-C
HAWAII, U.S.A.

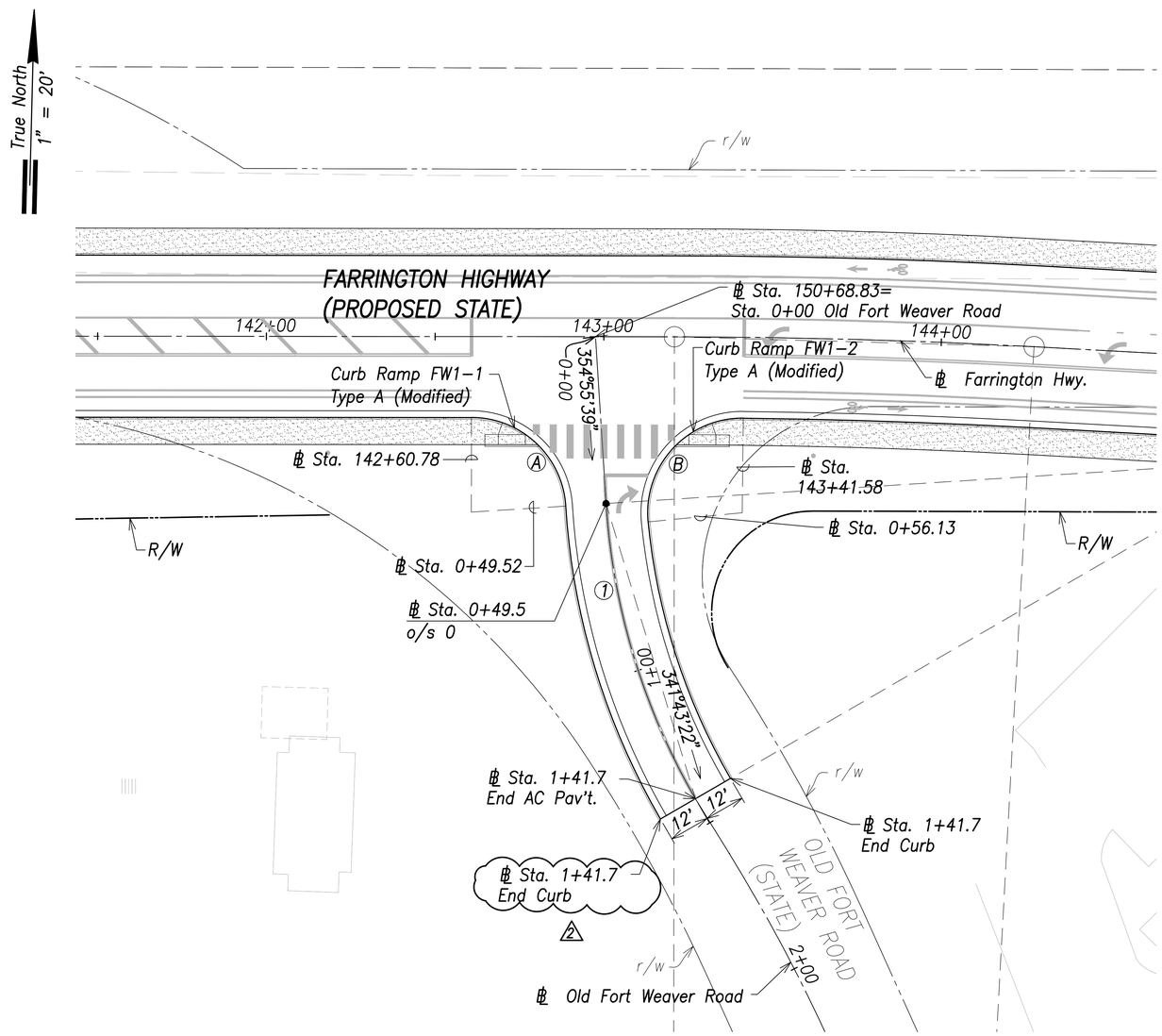
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION.

SIGNATURE — EXPIRATION DATE OF THE LICENSE: April 30, 2024

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

FILE: K:\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-81 Intersection Plan - Farrington Highway and Road M.dwg saved July 14, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-20	2021	83	767



Intersection Plan – Old Fort Weaver Road–1

Scale: 1" = 20'

Curb Curve Data:

Ⓐ

Δ=86°17'57"
Δ/2=43°08'59"
R=28.00'
T=26.25'
C=38.30'
Lc=42.17'

Ⓑ

Δ=96°11'11"
Δ/2=48°05'36"
R=28.00'
T=31.20'
C=41.68'
Lc=47.01'

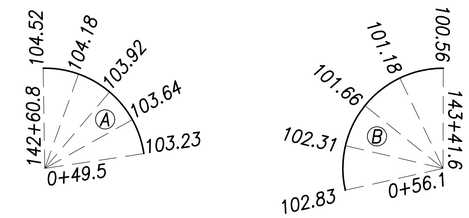
℄ Curve Data:

①

Δ=26°24'33"
Δ/2=13°12'16.5"
R=200.00'
T=46.93'
C=91.37'
Lc=92.19'

Curb Return Grades:

(Elevations refer to top of curb)



Notes:

1. For roadway plans and profiles, see sheets C–50 to C–68.
2. For roadway grading, drainage, and stormwater quality, see sheets C–86 to C–103.
3. For curb ramp layout and grading, see sheets C–184 to C–202.

Graphic Scale:

1" = 20' 20' 10' 0 20' 40'

Scale in Feet

DATE	REVISION
06/08/22	2 Revised callout

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Intersection Plan
Old Fort Weaver Road–1

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown Date: April 2022

CRAIG W. L. LUKE
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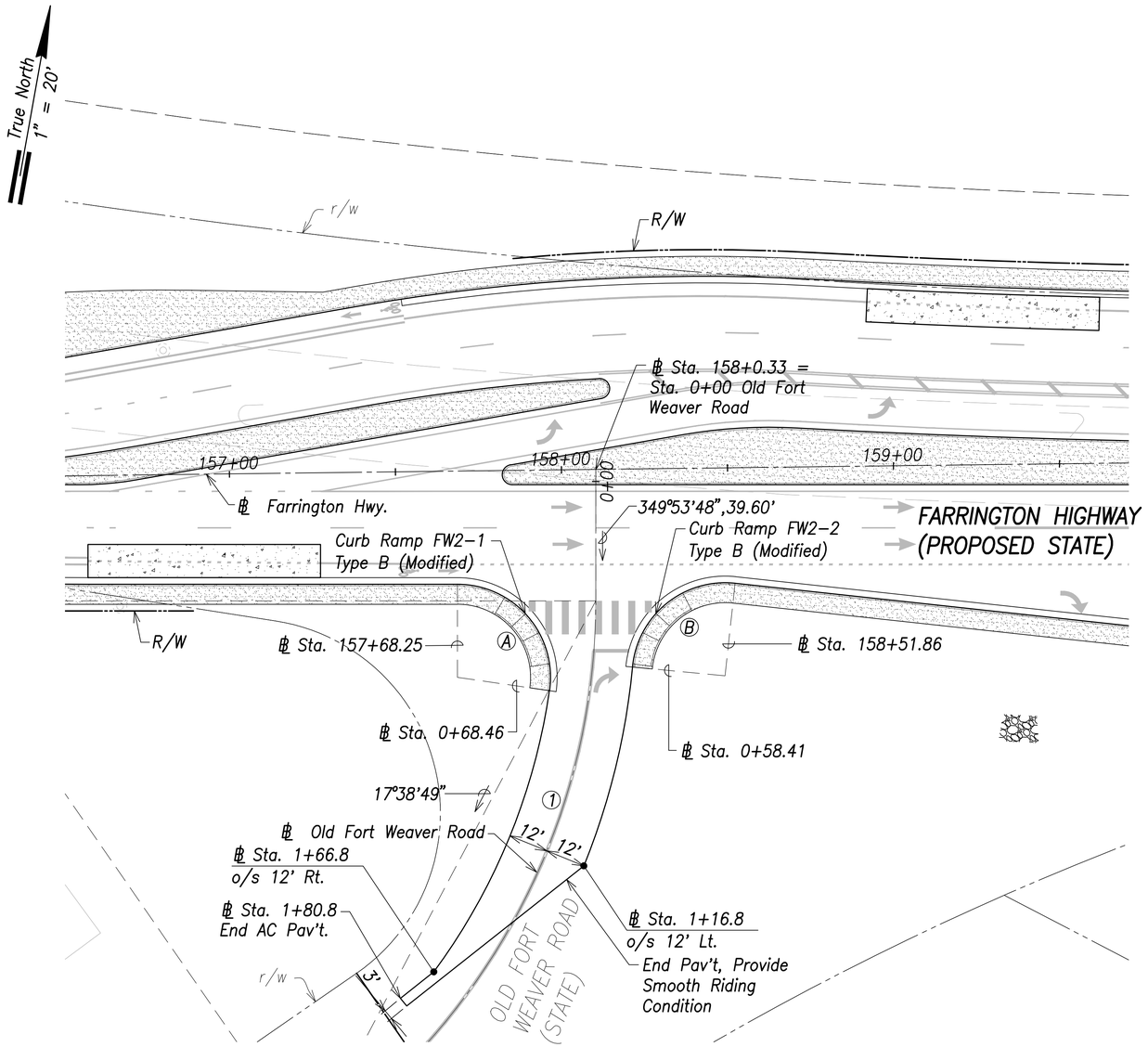
SIGNATURE — April 30, 2022 EXPIRATION DATE OF THE LICENSE

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

FILE: \\RMTC-FS\projects\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-82 Intersection Plan - Farrington Highway and Ft Weaver-1.dwg saved May 31, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	84	767



Intersection Plan – Old Fort Weaver Road – 2

Scale: 1" = 20'

Curb Curve Data:

Ⓐ

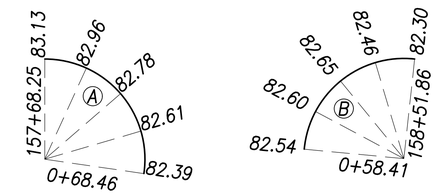
Δ=98°15'59"
Δ/2=49°08'00"
R=28.00'
T=32.36'
C=42.35'
Lc=48.02'

Ⓑ

Δ=90°46'31"
Δ/2=45°23'15"
R=28.00'
T=28.38'
C=39.86'
Lc=44.36'

Curb Return Grades:

(Elevations refer to top of curb)



Curve Data:

①

Δ=55°19'12"
Δ/2=27°39'36"
R=200.00'
T=104.82'
C=185.69'
Lc=193.10'

Notes:

1. For roadway plans and profiles, see sheets C–50 to C–68.
2. For roadway grading, drainage, and stormwater quality, see sheets C–86 to C–103.
3. For curb ramp layout and grading, see sheets C–183 to C–202.

Graphic Scale:

1" = 20' 20' 10' 0 20' 40'

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

Intersection Plan
Old Fort Weaver Road – 2

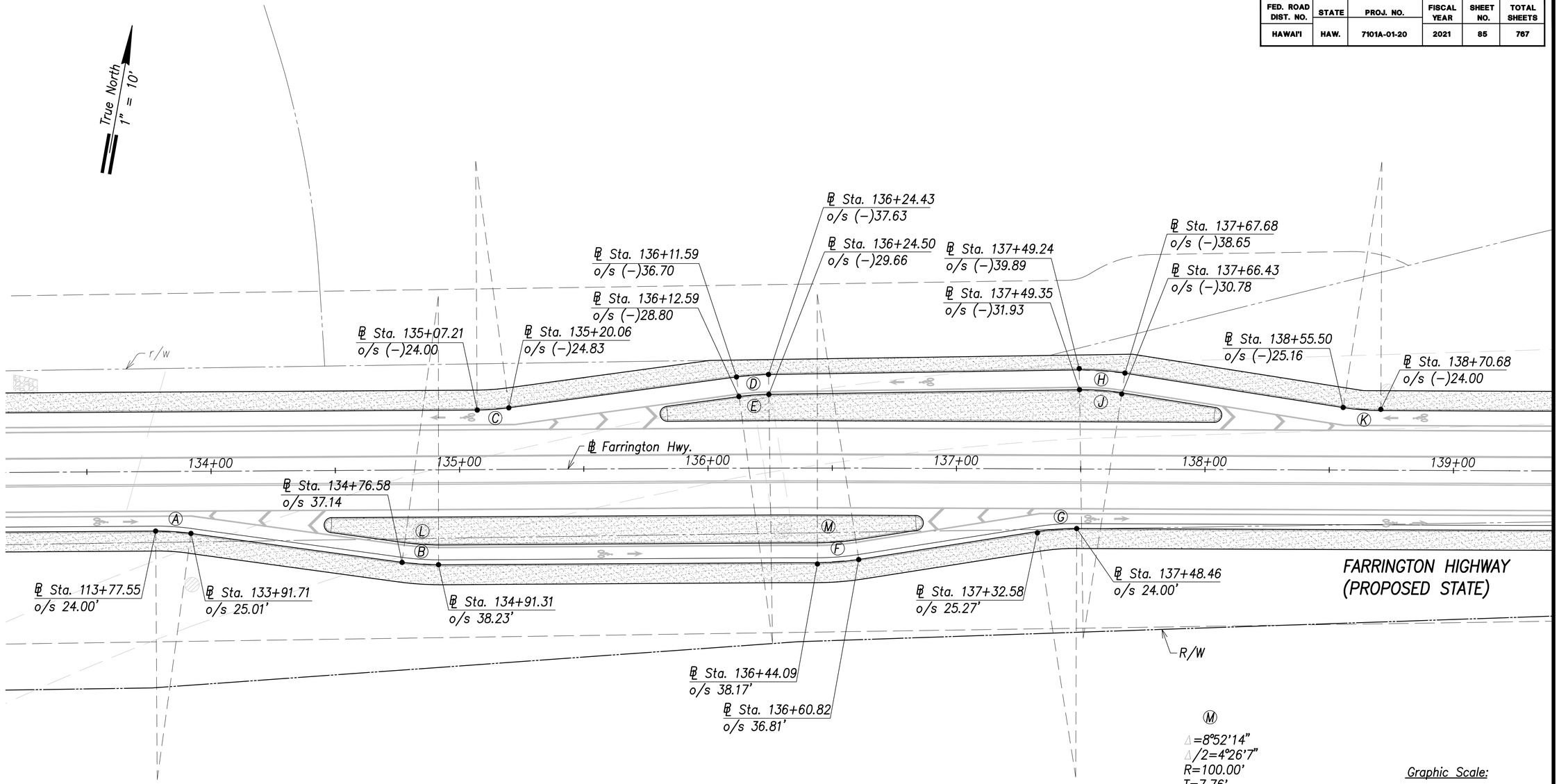
FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A–01–20

Scale: As Shown — Date: April 2022

SHEET No. C-83 OF 767 SHEETS

FILE: K:\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-83 Intersection Plan - Farrington Highway and Ft Weaver-2.dwg saved April 13, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAI'I	HAW.	7101A-01-20	2021	85	767



Ⓜ
△=8°52'14"
△/2=4°26'7"
R=100.00'
T=7.76'
C=15.47'
Lc=15.48'

Graphic Scale:
1" = 10' 10' 5' 0 10' 20'
Scale in Feet

Curve Data:

Ⓐ	Ⓑ	Ⓒ	Ⓓ	Ⓔ	Ⓕ	Ⓖ	Ⓗ	Ⓙ	Ⓚ	Ⓛ
△=8°08'19"	△=7°50'20"	△=7°23'00"	△=6°53'00"	△=6°53'00"	△=8°52'14"	△=9°08'33"	△=9°48'59"	△=9°48'59"	△=8°44'10"	△=7°49'45"
△/2=4°4'9.5"	△/2=3°55'10"	△/2=3°41'30"	△/2=3°26'30"	△/2=3°26'30"	△/2=4°26'7"	△/2=4°34'16.5"	△/2=4°54'29.5"	△/2=4°54'29.5"	△/2=4°22'5"	△/2=3°54'52.5"
R=100.00'	R=108.00'	R=100.00'	R=108.00'	R=100.00'	R=108.00'	R=100.00'	R=108.00'	R=100.00'	R=100.00'	R=100.00'
T=7.11'	T=7.40'	T=6.45'	T=6.50'	T=6.01'	T=8.38'	T=8.00'	T=9.27'	T=8.59'	T=7.64'	T=6.84'
C=14.19'	C=14.76'	C=12.88'	C=12.97'	C=12.01'	C=16.70'	C=15.94'	C=18.48'	C=17.11'	C=15.23'	C=13.65'
Lc=14.20'	Lc=14.78'	Lc=12.89'	Lc=12.97'	Lc=12.01'	Lc=16.72'	Lc=15.96'	Lc=18.50'	Lc=17.13'	Lc=15.25'	Lc=13.66'

Enlarged Roadway Layout Plan – 1

Scale: 1" = 20'

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

Enlarged Layout Plan – 1

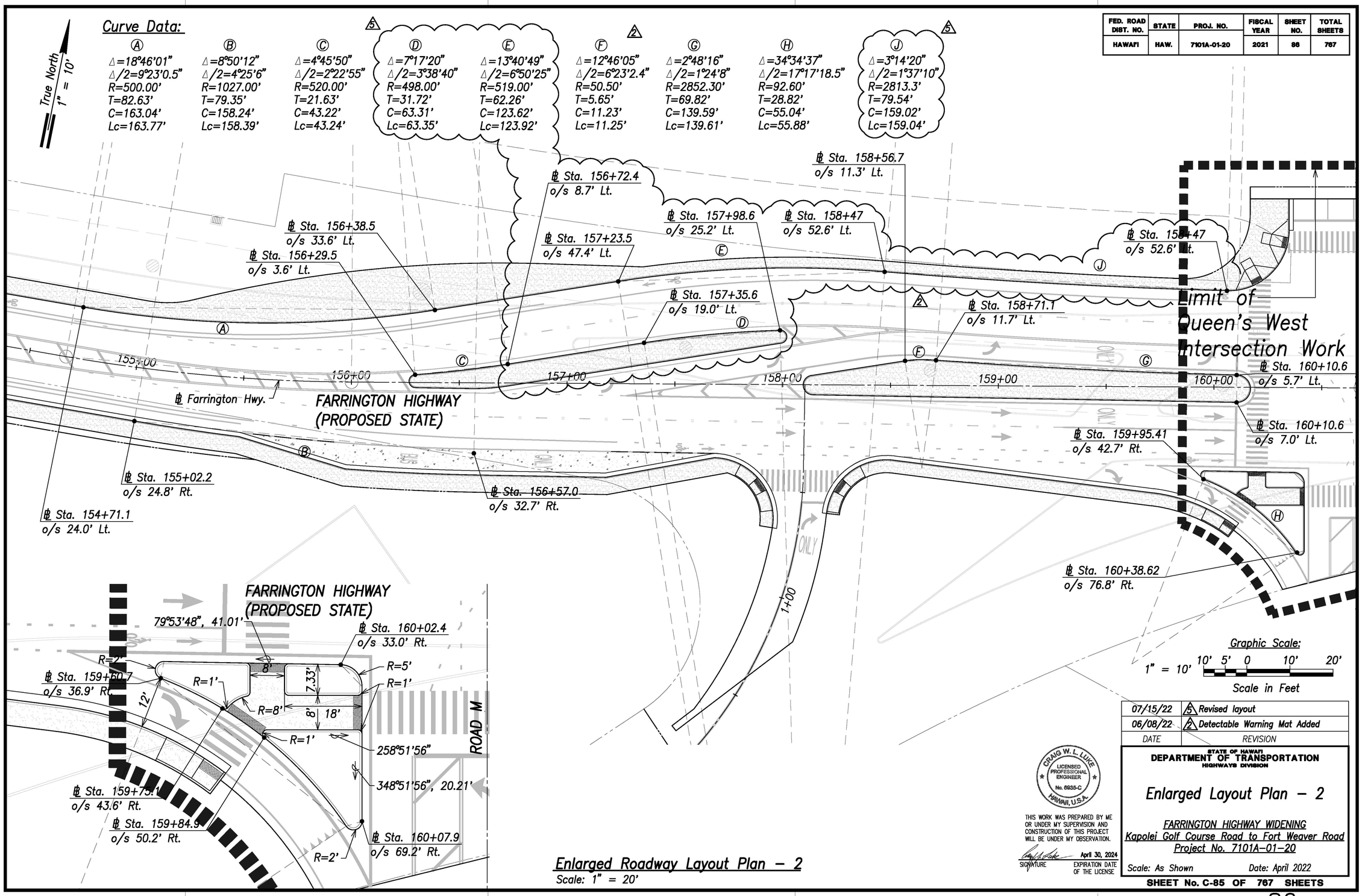
FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown — Date: April 2022

SHEET No. C-84 OF 767 SHEETS

DLE: K:\civil\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-84 Enlarged Median Plan - 1 (Rail Crossover).dwg saved April 13, 2022

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	7101A-01-20	2021	86	767



DATE	REVISION
07/15/22	5 Revised layout
06/08/22	2 Detectable Warning Mat Added

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

Enlarged Layout Plan – 2

FARRINGTON HIGHWAY WIDENING
Kapolei Golf Course Road to Fort Weaver Road
Project No. 7101A-01-20

Scale: As Shown Date: April 2022

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

Enlarged Roadway Layout Plan – 2

Scale: 1" = 20'

FILE: K:\cds\23146 Farrington Hwy Widening\Dwg\Construction Dwgs\C-85 Enlarged Median Plan - 2 (Near Queens).dwg saved July 13, 2022