

ions P								
us Locati	Curve Data (at Intersection of Kahuapaani St., Ulune St., & Ulune Ext.)							
@ Vario		1	2	3	4	<b>(5)</b>	6	<b>(7)</b>
ernization	$\triangle$	1° 18' 57"	96° 34′ 46″	7° 05' 41.76"	159° 52′ 35.84″	13° 00′ 42.4″	93° 23′ 02.6″	10° 51' 30"
gnal Mode	Δ/2	0° 39' 28.5"	48° 17' 23"	<i>3° 32' 50.88"</i>	79° 56' 17.92"	6° 30' 21.2"	46° 41' 31.3"	5° 25' 45"
raffic Siç	R	850.00°	30.00'	63.00'	3.00'	<i>63.00</i> ′	<i>35.00</i> '	75.00'
.6:03am 15\1512—1	T	9.76	33.66'	3.91'	16.92'	7.18'	37.13'	10.45
2020- WG\20	Ch	19.52'	44.79	7.80'	5.91'	14.28'	50.94'	20.69'
Aug 28, ∖CAD∖⊡	Lc	19.52	50.57	7.80'	8.37'	14.31'	57.05	20.76

### Notes:

- 1 For Bench Mark, control points, and survey ties; see Demolition Plan sheet 23.
- 2 For  $\langle 2 \rangle & \langle 6 \rangle$  curb return profiles, see sheets 37 & 38.
- 3 See curb ramp plans for additional sidewalk, curb, and gutter details.

## Pavement Reconstruction Over Trenching Callouts:

- R1) Curb & Gutter, Type 2DG Modified. 4 L.F. min. or as noted. For connection to existing curb and gutter, see details on sheet 79.
- (R2) Concrete Sidewalk (per Standard Plan D-15).
- (R3) Limits of asphalt pavement restoration over trenching. See State detail A.
- R4) Curb, Type 2D Modified. 4 L.F. min. or as noted. For connection to existing curb, see details on sheet 79.
- (R5) (8-inch) Reinforced Concrete Driveway per Standard Plan D-06.

# Median Reconstruction Over Trenching Callouts:

(M1) HMA Sidewalk, restoration over trenching in medians and/or islands. For detail, see this sheet.

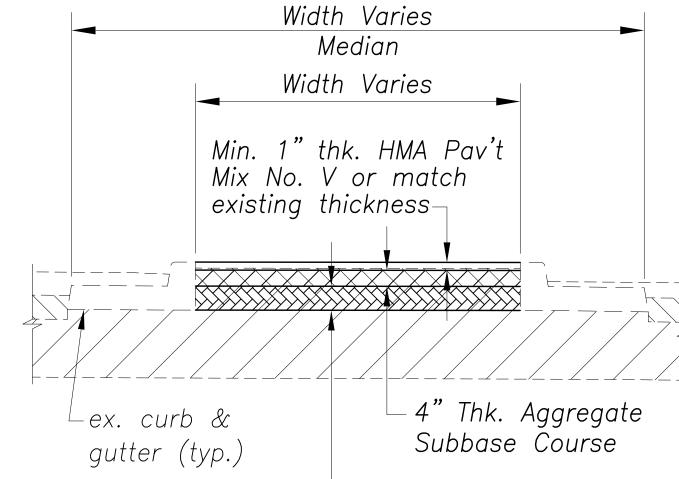
## Utility Access Road Reconstruction Over Trenching Callouts:

A1) Limits of surface restoration over trenching in Utility Access Road. For detail, see this sheet.

# New Construction Callouts:

- (N1) Curb & Gutter, Type 2DG Modified. For connection to existing curb and gutter, see details on sheet 79.
- N2) Concrete Sidewalk per Standard Plan D-15. For connection to existing sidewalk, see details on sheet 79.
- (N3) Limits of asphalt pavement restoration for installation of curb ramps, curb and gutter, and curb. For details, see sheet 79 and curb ramp plans.
- N4) Curb, Type 2D Modified. For connection to existing curb and gutter, see details on sheet 79.
- (N5) Curb & Gutter, Type 2DG Modified. For connection to existing curb and gutter, see details on sheet 79. See Typical Median Section

FED ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(163)	2020	34	284

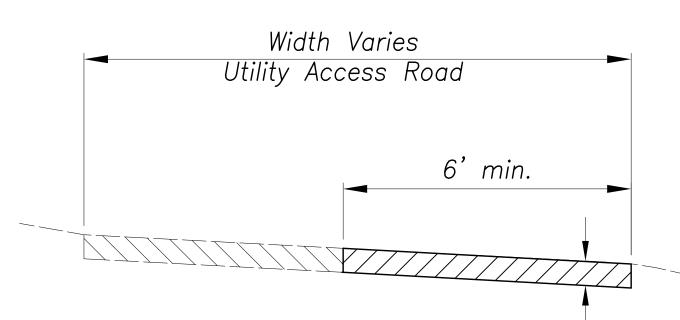


Note: The Contractor shall grade HMA Pavement to drain.

Scarify and recompact to 95% relative compaction 6" minimum thickness

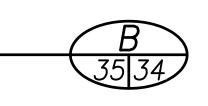
MEDIAN RECONSTRUCTION DETAIL A

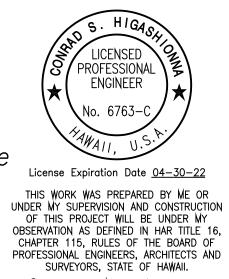
No Scale 34,35,36,63 34



6" Thk. Aggregate-Base Course

UTILITY ACCESS ROAD
RECONSTRUCTION DETAIL
No Scale





Conrad Higashionna

STATE OF HAWAII

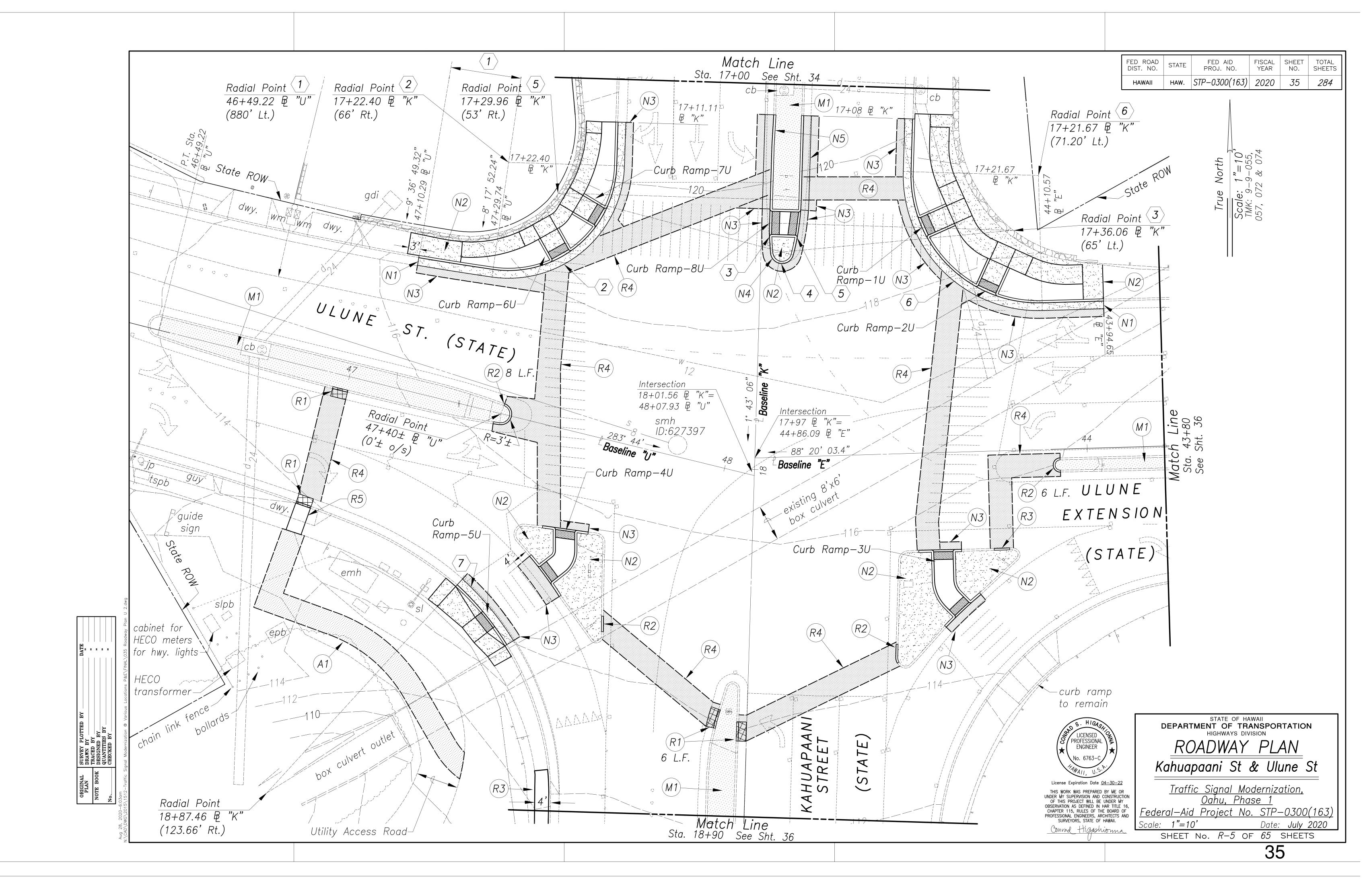
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

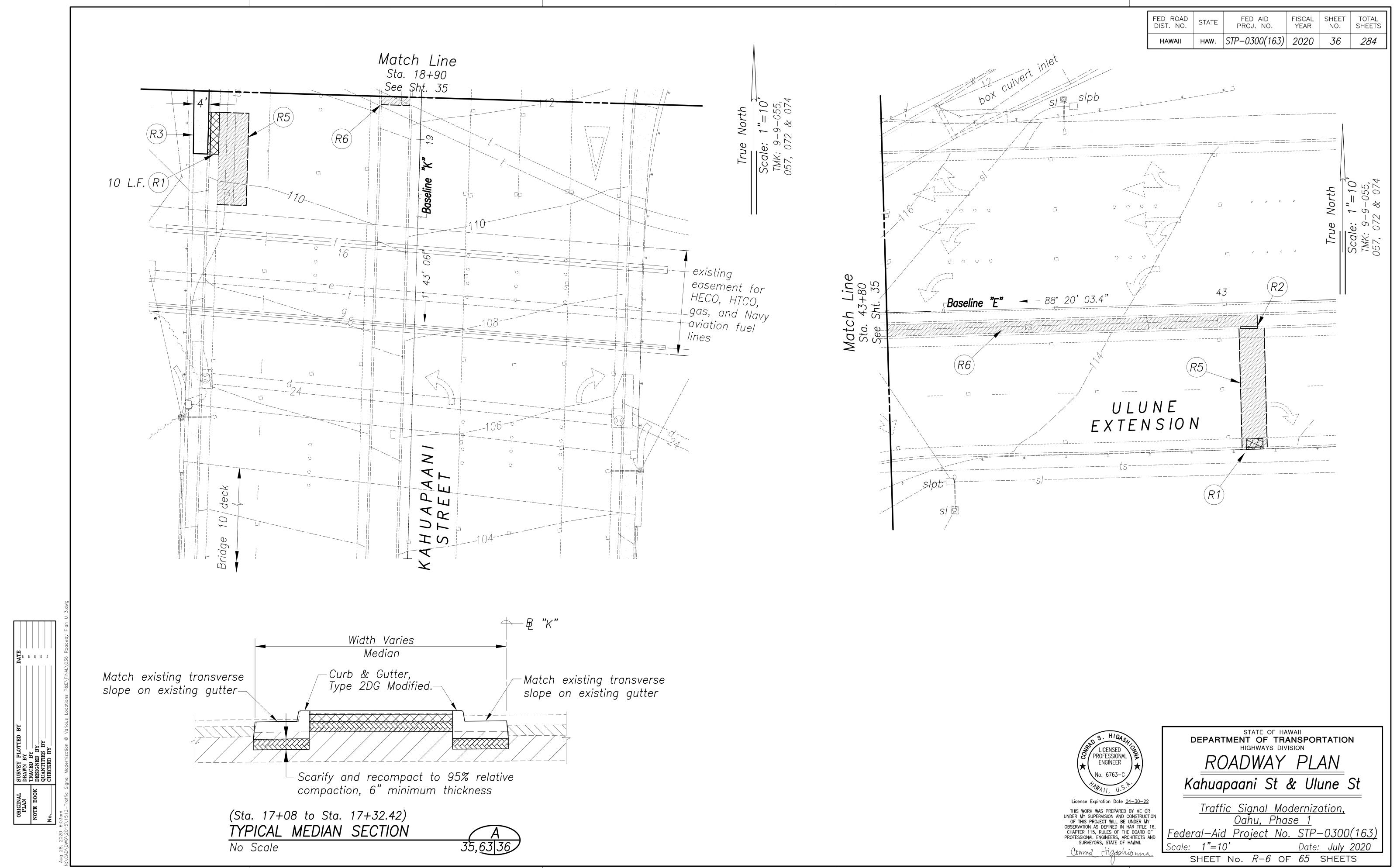
ROADWAY PLAN

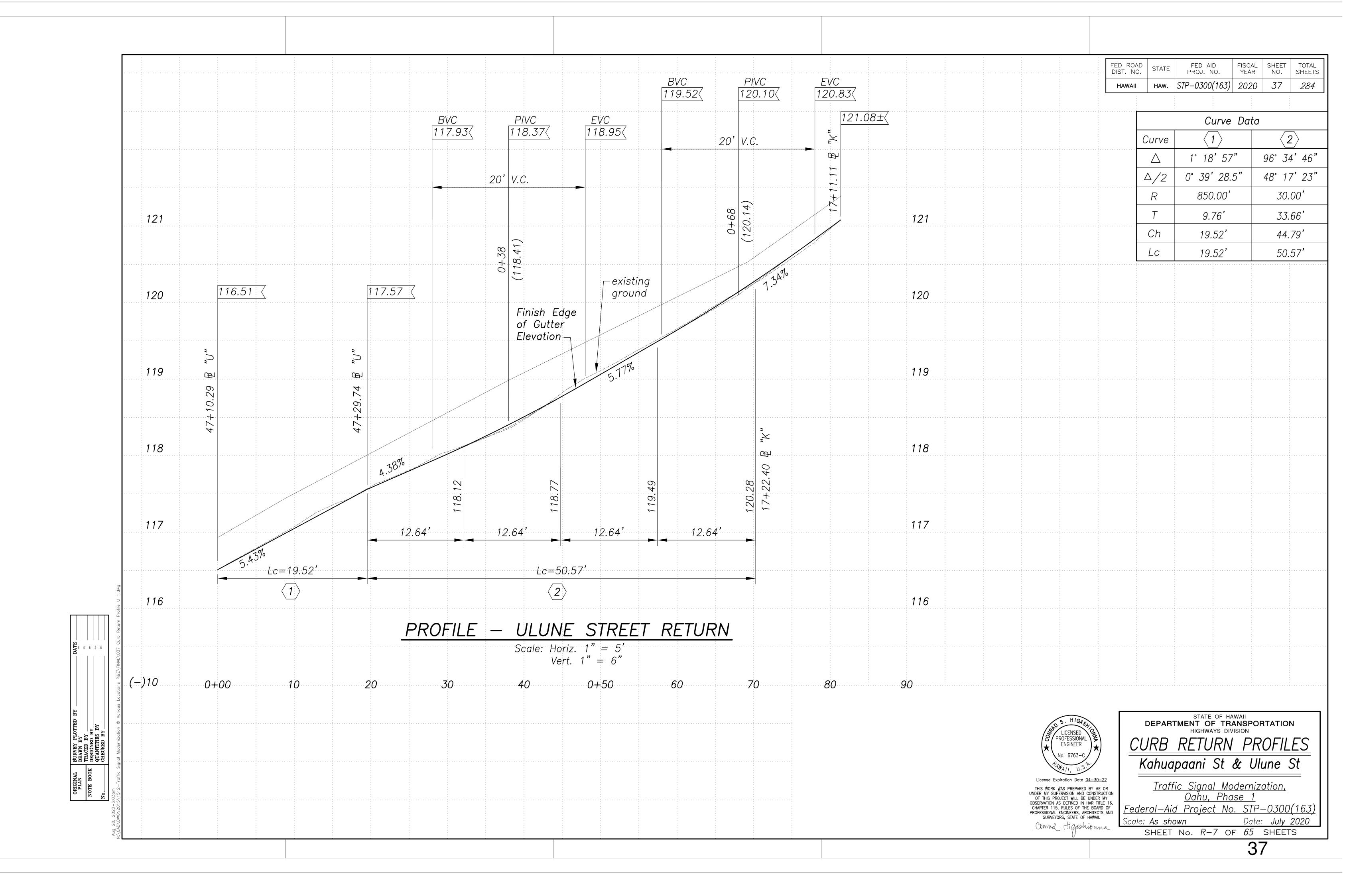
<u>Traffic Signal Modernization,</u>
<u>Oahu, Phase 1</u>

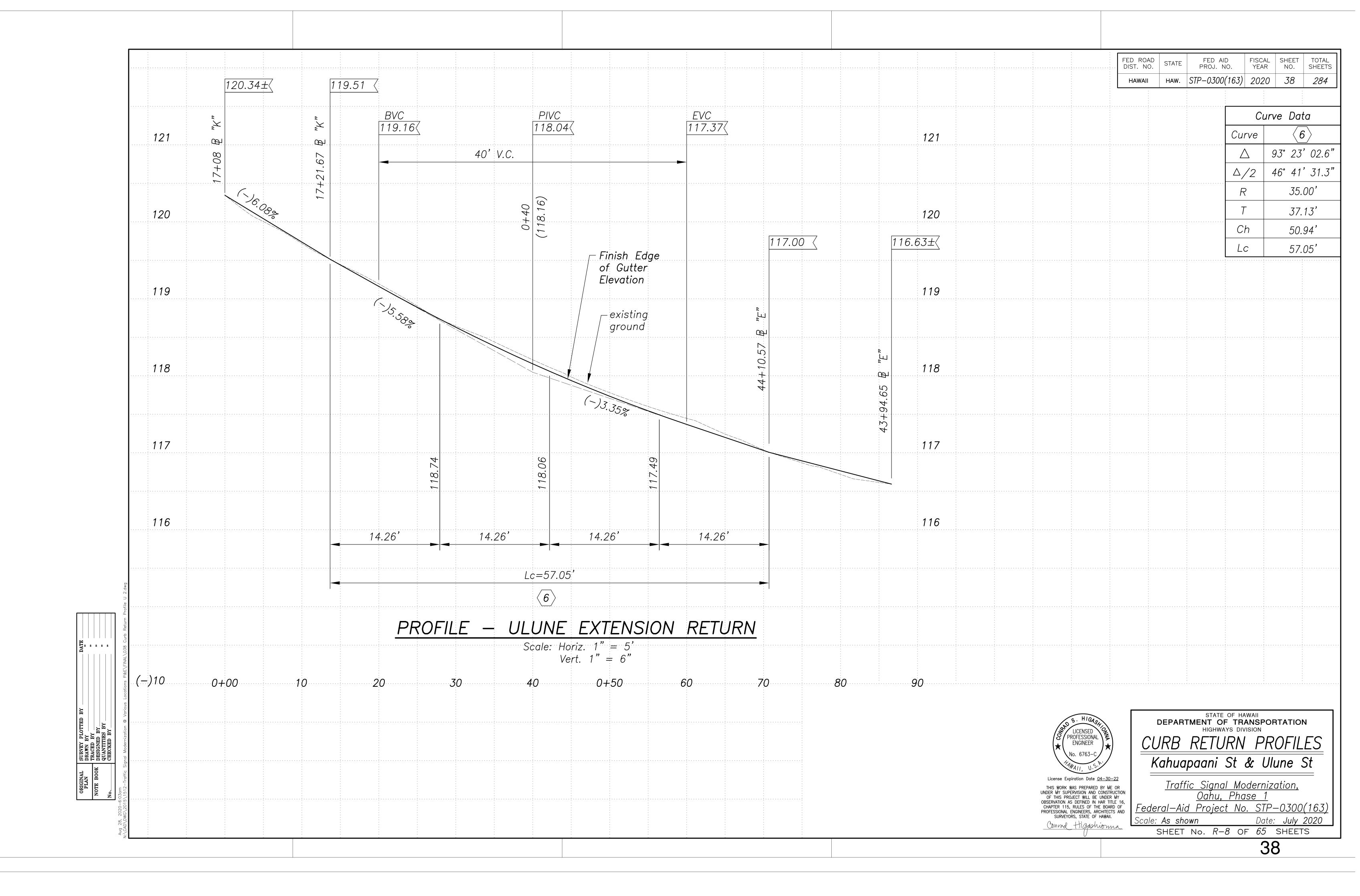
Federal—Aid Project No. STP—0300(163)
Scale: 1"=10' Date: July 2020
SHEET No. R-4 OF 65 SHEETS

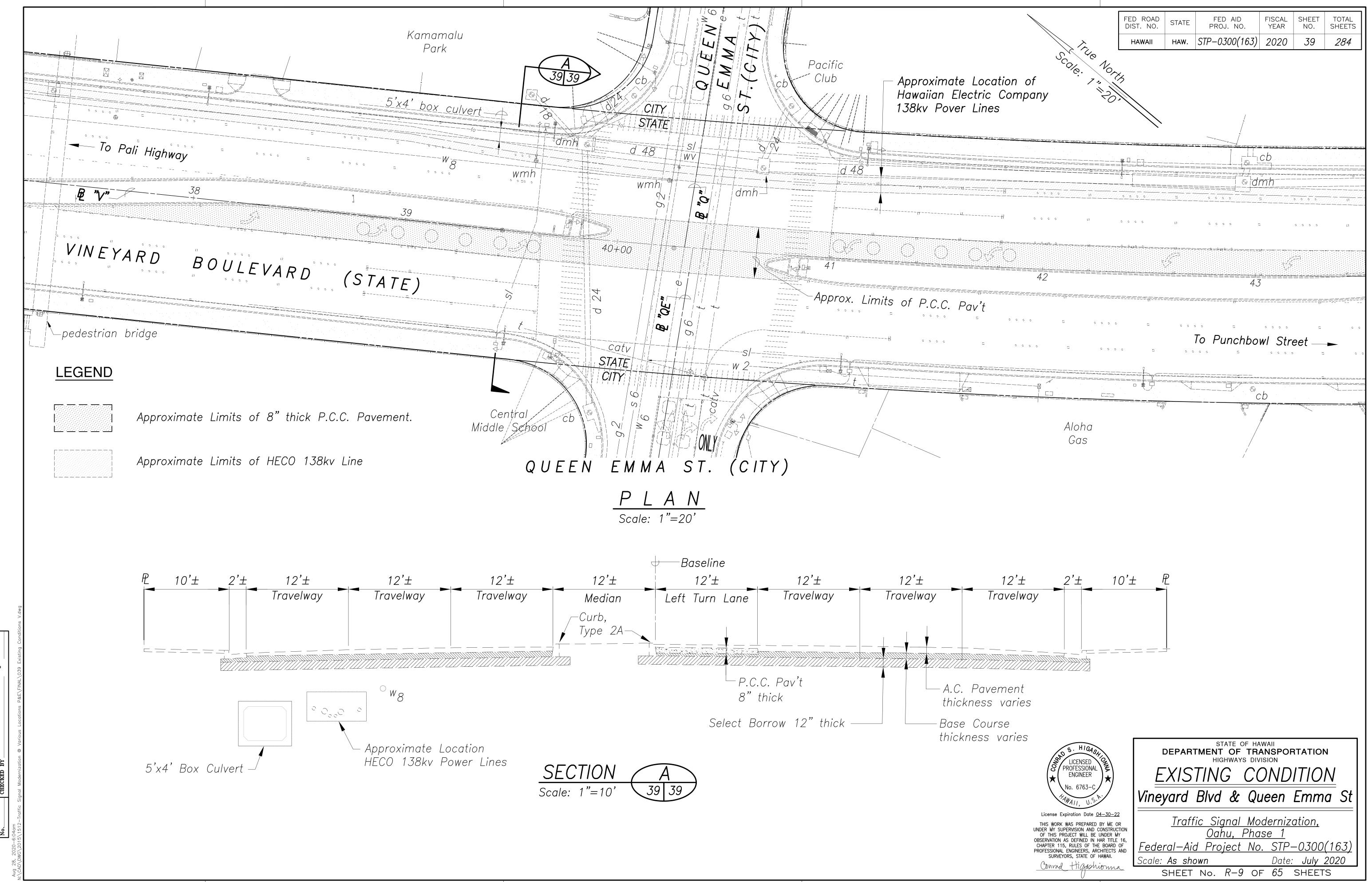
Kahuapaani St & Ulune St

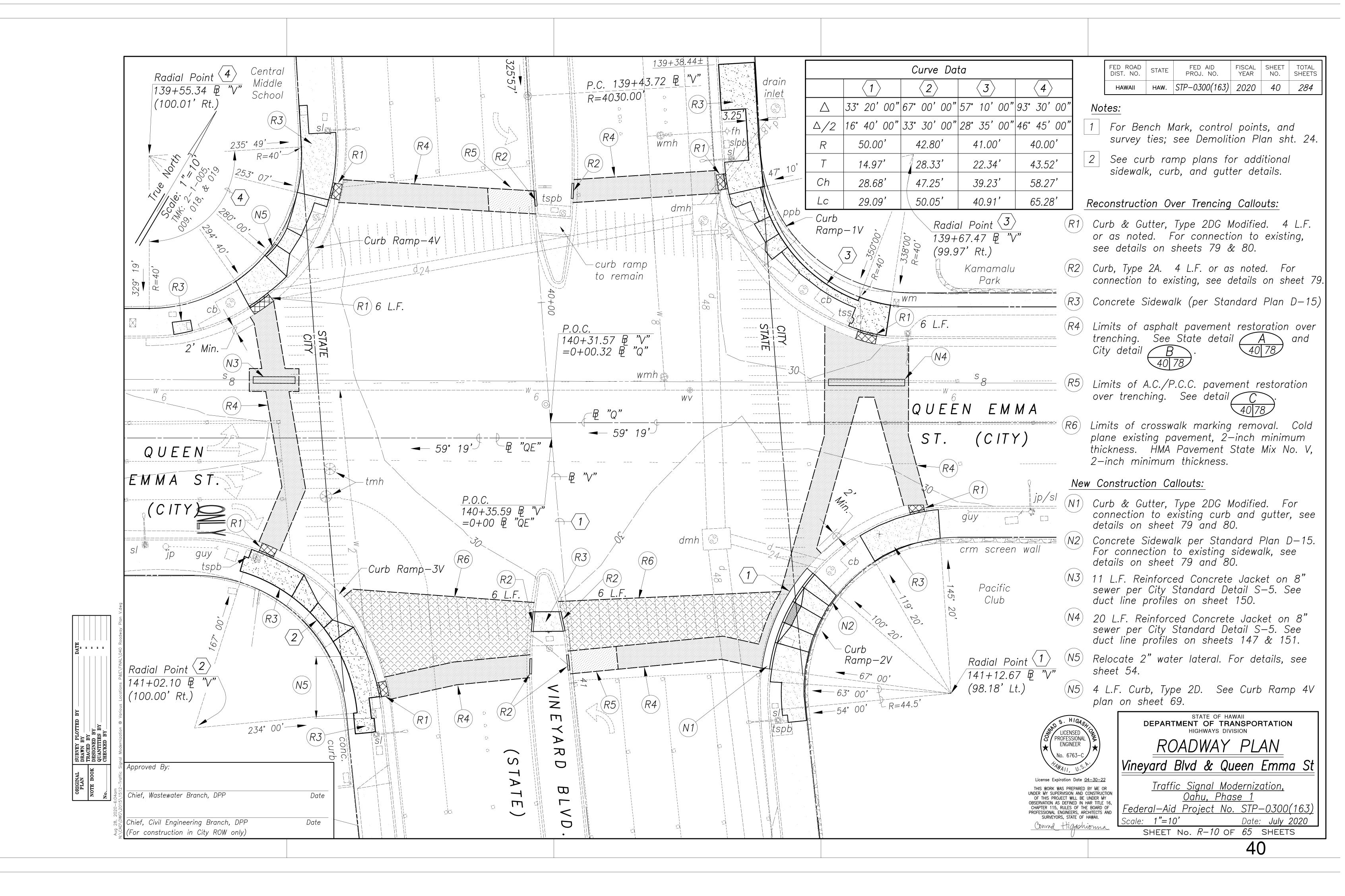


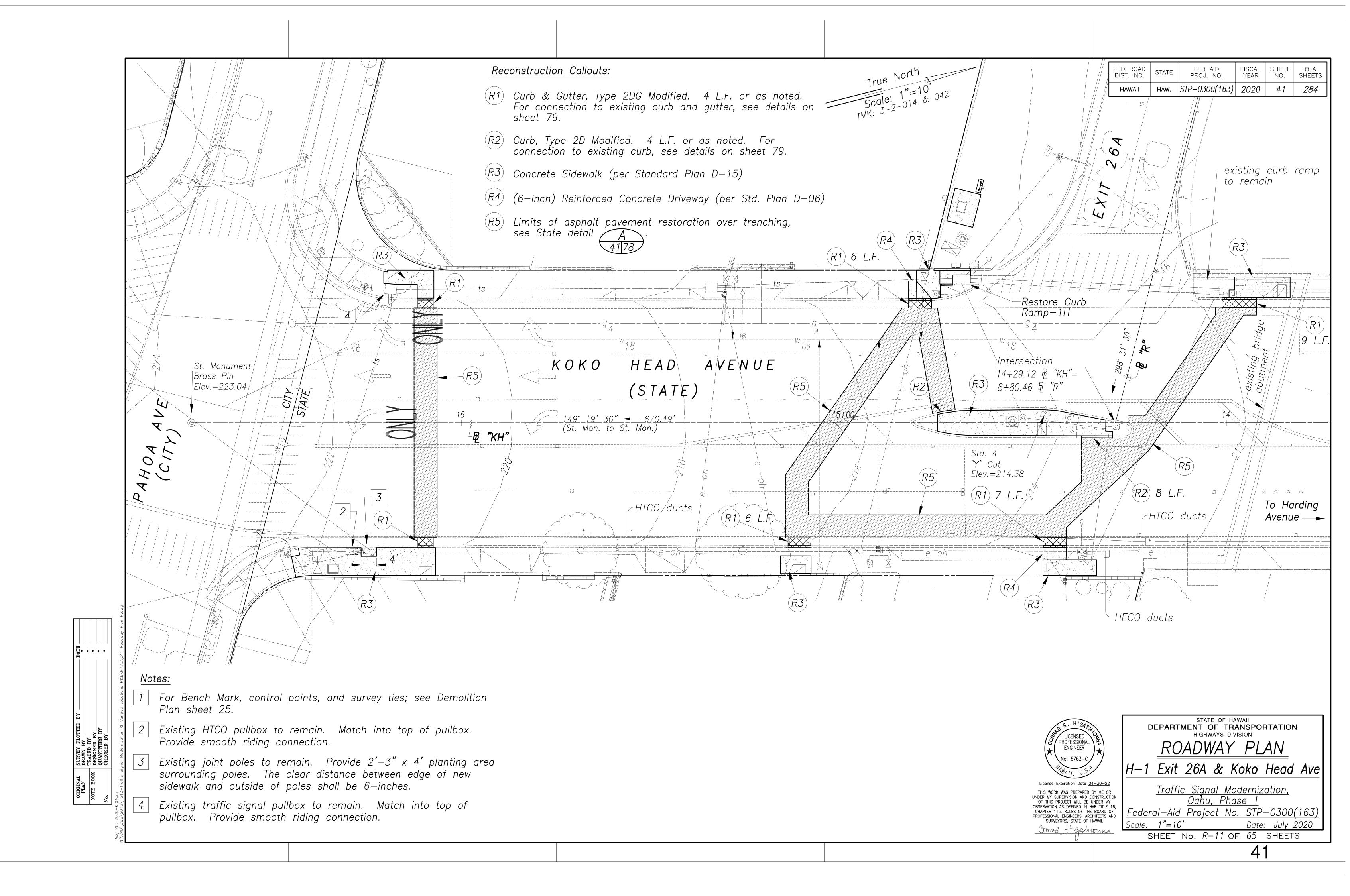


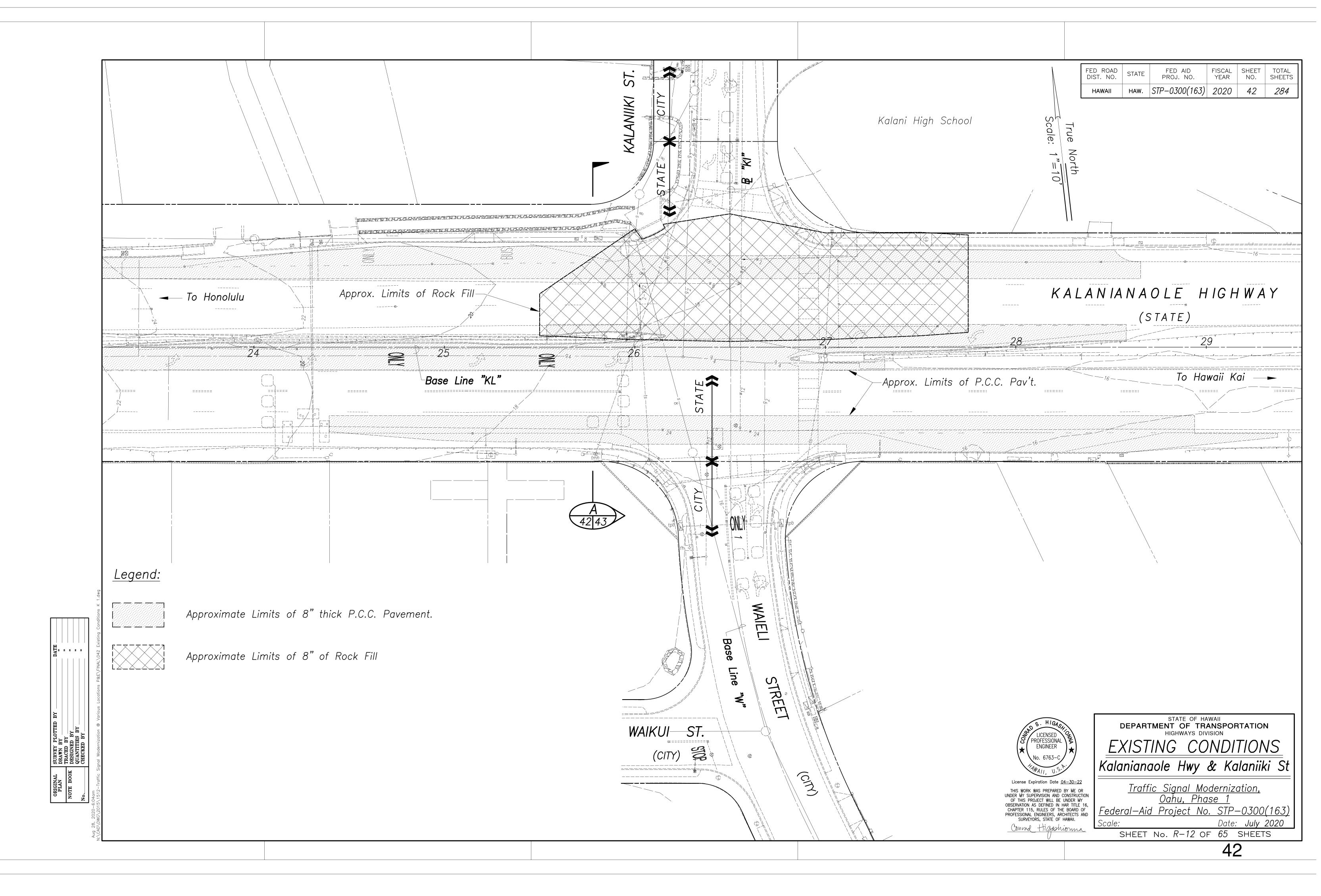




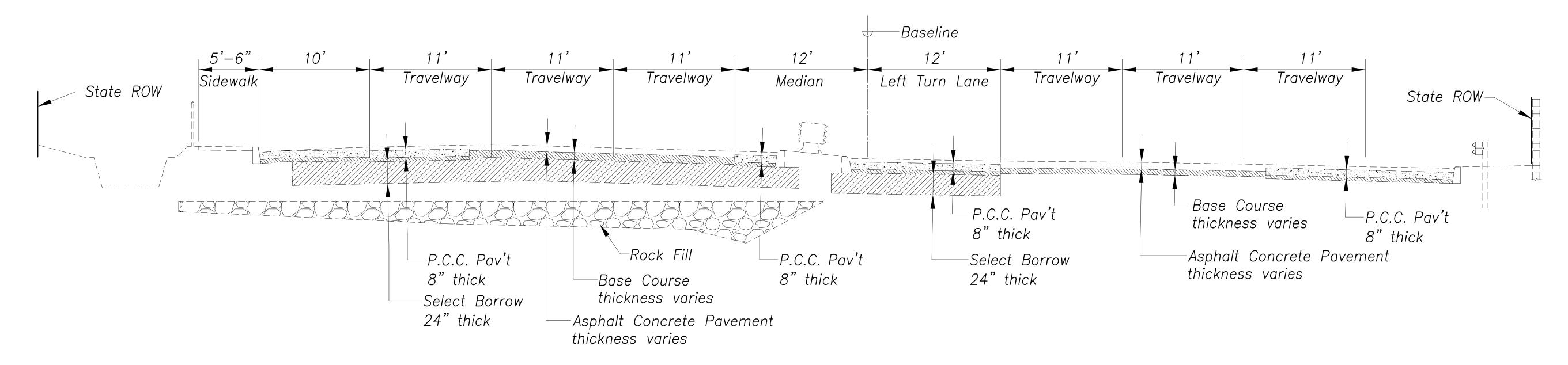


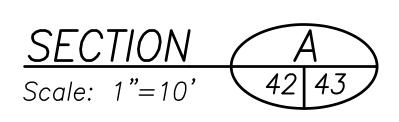


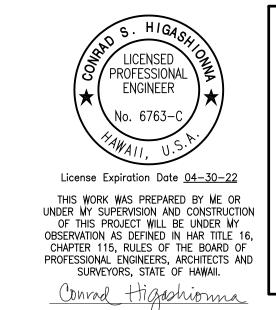


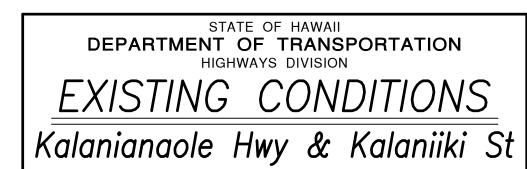


FED ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(163)	2020	43	284



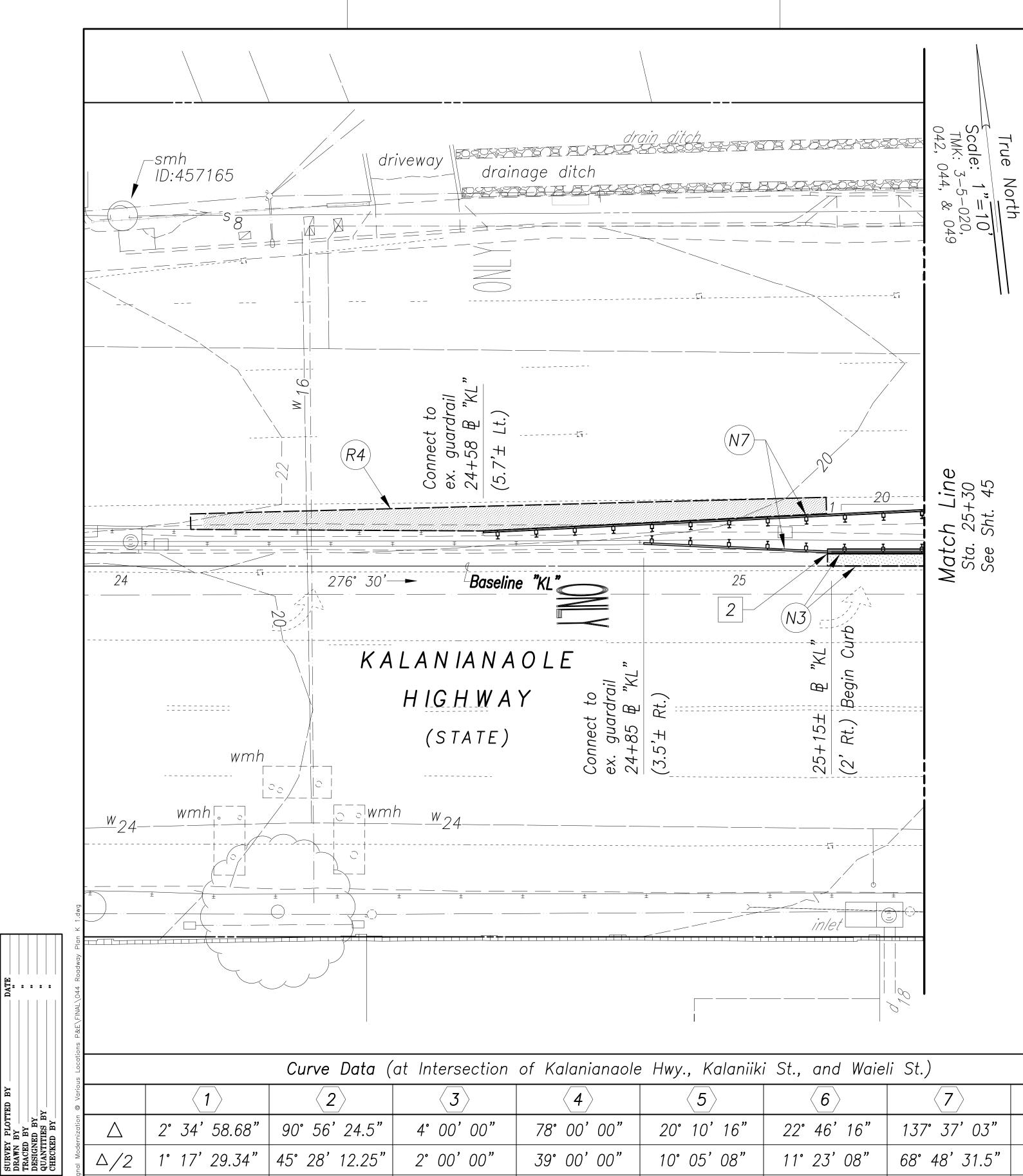






<u>Traffic Signal Modernization,</u>
<u>Oahu, Phase 1</u>
<u>Federal—Aid Project No. STP—0300(163)</u>

SHEET No. R-13 OF 65 SHEETS



1° 17' 29.34"

367.00'

8.27

16.54

16.54

45° 28' 12.25"

*32.00*′

32.53

45.62'

50.79

2° 00' 00'

120.00

4.19

8.38

8.38'

*39° 00' 00"* 

40.00'

32.39'

50.35

54.45'

# Reconstruction Callouts:

- Curb & Gutter, Type 2DG. 4 L.F. min. unless noted on plan. For connection to existing curb and gutter, see details on sheets 79 and 80.
- Curb, Type 2D Modified. 4 L.F. unless noted on plan.
- Concrete Sidewalk (per Standard Plan D-15)
- Limits of asphalt pavement restoration over trenching. See State detail  $\bigwedge$  and City detail  $\bigwedge$
- Limits of a.c./p.c.c. pavement restoration over trenching. See detail
- Limits of asphalt concrete pavement restoration for concrete jacket over existing 36-inch drain line. See Pavement Restoration over Concrete Jacket Detail on sheet 46 and concrete jacket details on sheet 135.

## New Construction Callouts:

- (N1) Curb & Gutter, Type 2DG Modified. For connection to existing curb and gutter, see details on sheet 79 and 80. (N15) 4—inch $\pm$  thick, HMA Pavement State Mix No. V
- Concrete Sidewalk per Standard Plan D-15. For connection to existing sidewalk, see details on sheets 79 and 80.
- Curb, Type 2A Modified and limits of asphalt pavement restoration for installation of curb. For details, see sheet 49.
- Limits of asphalt pavement restoration for installation of curb ramps, curb and gutter, and curb. For details, see sheets 79 and 80 and curb ramp plans.
- 14—inch Concrete Pavement with asphalt pavement overlay. The Contractor shall install construction and expansion joints in new P.C.C. pavement to match existing joints in existing P.C.C. pavement. Dowel into existing P.C.C. pavement. Install Rapid Repair PG-100 or approved equal. For details, see Section F and
- Curb, Type 2D Modified. For connection to existing curb, see details on sheet 79.
- Guardrail, MASH compliant.

8

19° 37′ 41″

9° 48' 50.5"

48.00'

8.30'

16.35

16.43

11° 23' 08"

43.00

8.66

16.98

17.09

10° 05' 08"

58.00°

10.32'

20.31'

20.42'

68° 48' 31.5"

1.00'

2.58'

1.86

2.40'

FED ROAD DIST. NO.	STATE	FED AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0300(163)	2020	44	284

## New Construction Callouts continued:

- (N8) HDOT Approved Terminal Impact Attenuator MASH Compliant, TL-3.
- 11 L.F. Reinforced Concrete Jacket on 8—inch sewer. See duct line profiles and concrete jacket details on sheets 191 and 194.
- (N10) Relocate water meter, see sheet 54.
- (N11) HMA Pavement State Mix No. V, 2—inch min. thick
- (N12) HMA Pavement State Mix No. V, 4—inch± thickness
- (N13) Apply Tack Coat either SS-1 or SS-1H Emulsified Asphalt

95% relative compaction

- (N14) 2-inch thick, HMA Pavement State Mix No. V Aggregate Base Course 6-inch thick, 6-inch thick, Scarify and re-compact to
- 6-inch thick, Aggregate Base Course 6-inch thick, Scarify and re-compact to 95% relative compaction

- 1 For Bench Mark, control points, and survey ties; see Demolition Plan sht. 26.
- Match into existing curb. Provide smooth connection.
- See curb ramp plans for additional sidewalk, curb, and gutter details.
- |4| For  $\langle 2 \rangle & \langle 4 \rangle$  curb return profiles, see sheet 47.

ENGINEER **√**No. 6763–0 License Expiration Date <u>04-30-22</u>

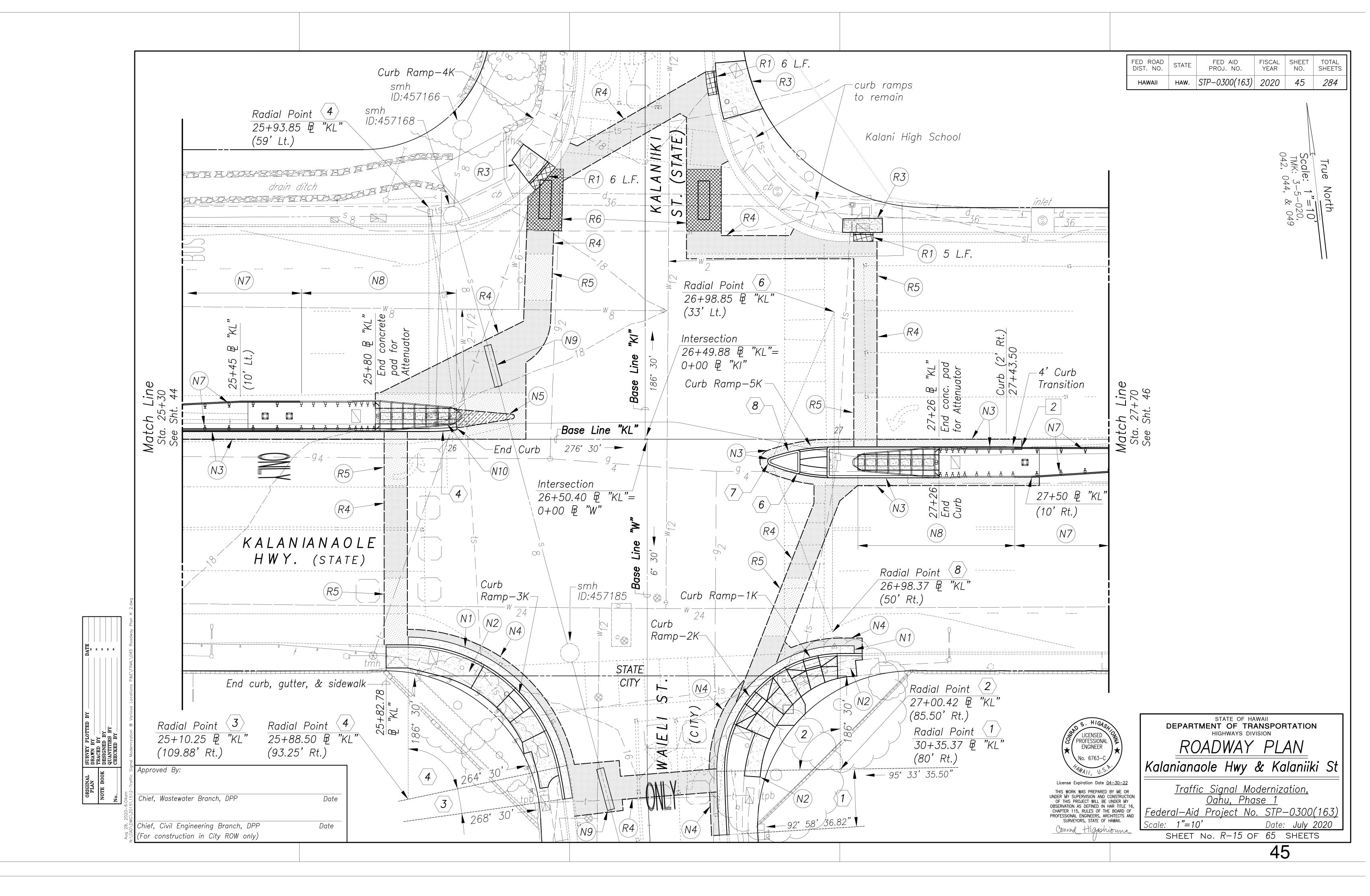
STATE OF HAWAII

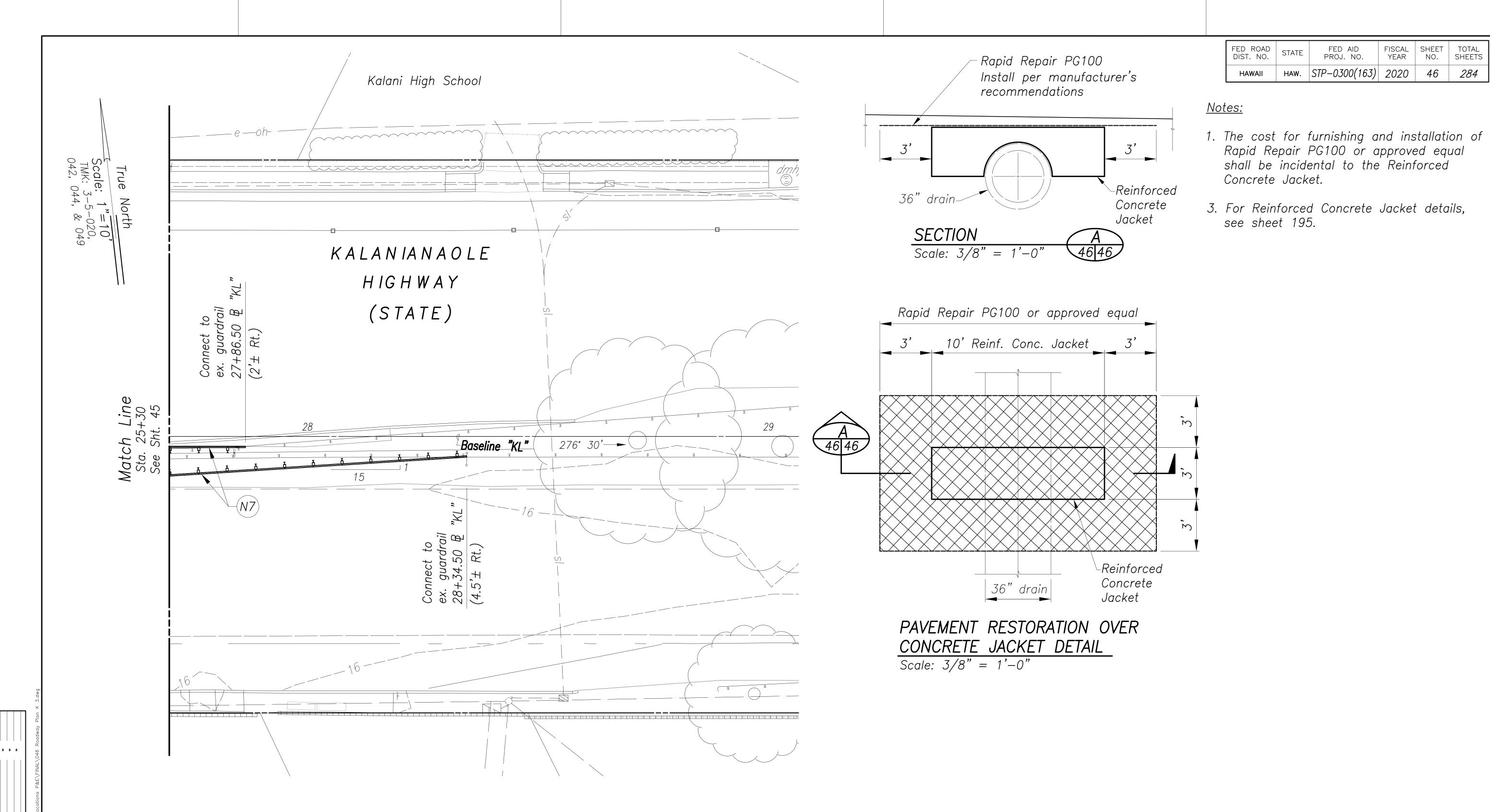
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION ROADWAY PLAN Kalanianaole Hwy & Kalaniiki St

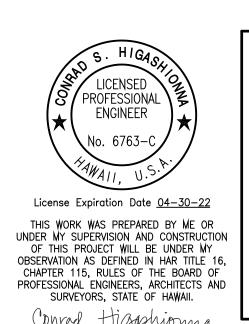
Traffic Signal Modernization, <u>Oahu, Phase 1</u> <u>Federal-Aid Project No. STP-0300(163)</u>

1"=10' Date: July 2020 Conrad Higashionna SHEET No. R-14 OF 65 SHEETS

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION AS DEFINED IN HAR TITLE 16, CHAPTER 115, RULES OF THE BOARD OF PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS, STATE OF HAWAII.







STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION ROADWAY PLAN

Kalanianaole Hwy & Kalaniiki St

<u>Traffic Signal Modernization,</u>
<u>Oahu, Phase 1</u> Federal-Aid Project No. STP-0300(163)

SHEET No. R-16 OF 65 SHEETS

FISCAL SHEET TOTAL YEAR NO. SHEETS

FED AID PROJ. NO.

HAW. STP-0300(163) 2020 46 284

