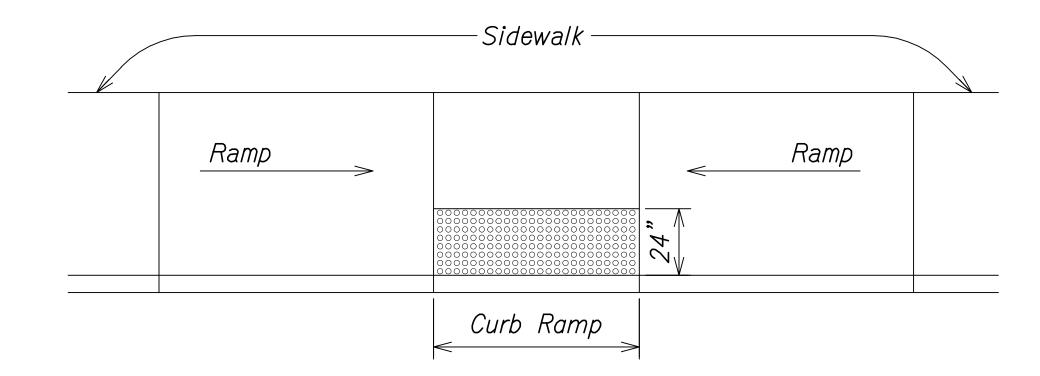
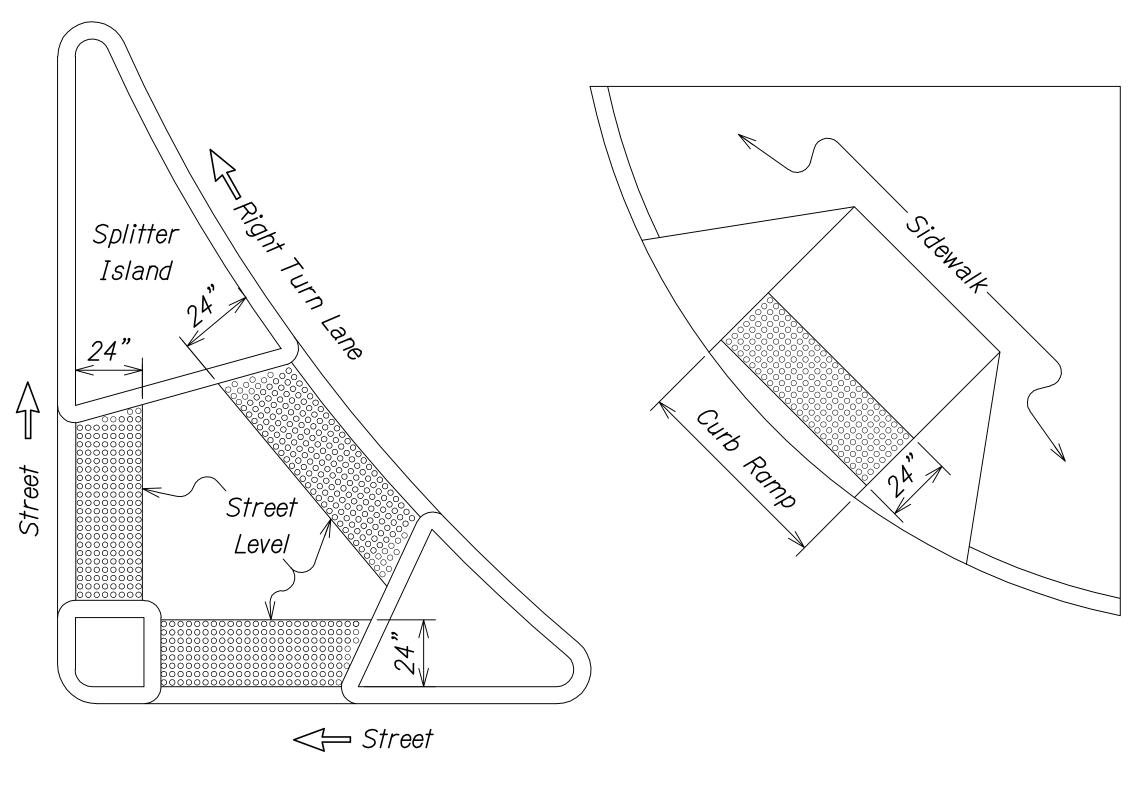


#### DETECTABLE WARNING AT CURB RAMP



TRANSITION RAMP WITH DETECTABLE WARNING



SHARED CURB RAMP WITH DETECTABLE WARNING

Level Landing (Street Level)

FED. ROAD DIST. NO.

STATE

FED. AID PROJ. NO. FISCAL SHEET YEAR NO.

NH-056-1(50) 2019 ADD:105 244

END OF SIDEWALK CURB RAMP WITH

DETECTABLE WARNING

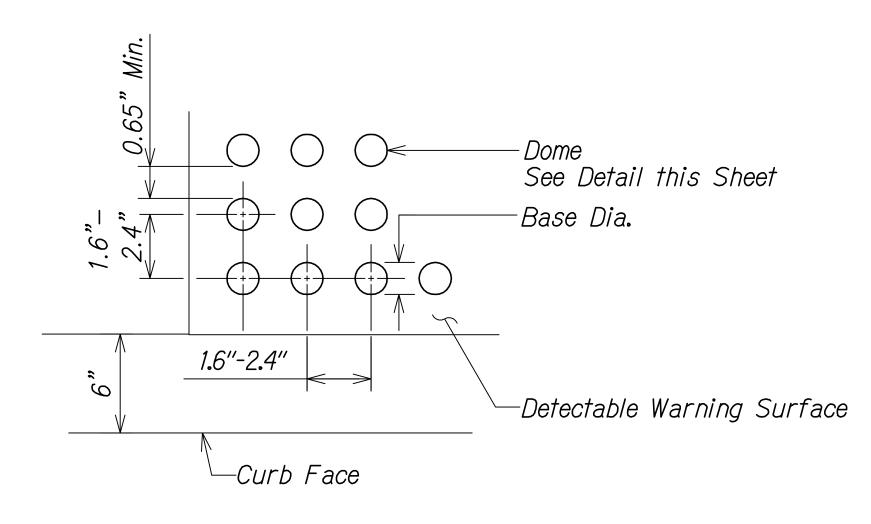
#### <u>REFUGE ISLAND WITH</u> <u>DETECTABLE WARNING</u>

#### TYPICAL INSTALLATION OF DETECTABLE WARNINGS

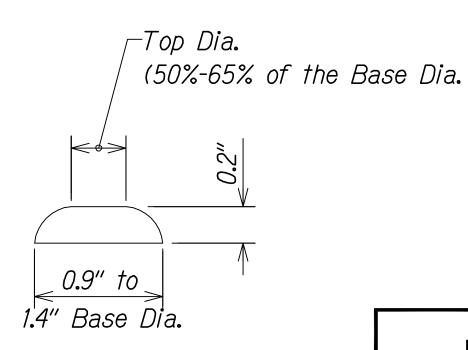
Not to Scale

### NOTES:

- 1. Detectable warnings shall be 24 inches in the direction of travel and extend The full width of the curb ramp or flush surface (does not include flares).
- 2. Truncated domes shall have a diameter of 0.9 to 1.4 inch at the bottom, a diameter of 50%-65% of the base diameter at the top, a height of 0.2 inch and a center-to-center spacing of 1.6 to 2.4 inches measured along one side of a square arrangement.
- 3. Domes shall be aligned on a square grid in the predominant direction of travel to permit wheels to roll between the domes.
- 4. There shall be a minimum of 70% contrast in light reflectance between the detectable warning and an adjoining surface, or the detectable warning shall be "safety yellow".
- 5. The material used to provide visual contrast shall be an integral part of the detectable warning surface.
- 6. The detectable warning shall be located so that the edge nearest the curb line or other potential hazard is 6 to 8 inches from the curb line.
- 7. "Cast and Tack" or equal material shall be used for the truncated dome where the ties are cast in place with the concrete ramp.



**ENLARGEMENT** 



#### DOME SECTION

11/12/19 \( \text{\lambda}\) Reissuing plan for legibility only. No design changes have been made.

9/20/19 \( \text{\lambda}\) Reissuing plan for legibility only. No design changes have been made.

PATE REVISION

DETECTABLE WARNING

<u>DETAILS</u>

KUHIO HIGHWAY SHORT-TERM

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION

IMPROVEMENTS KUAMOO ROAD
TO TEMPORARY KAPAA BYPASS ROAD
Fed. Aid Proj. No. NH-056-1(50)
Scale: As Noted Date: July 2019

SHEET No. 75 OF 11 SHEETS

 DRIGINAL
 SURVEY PLOTTED BY
 D

 PLAN
 DRAWN BY
 TRACED BY

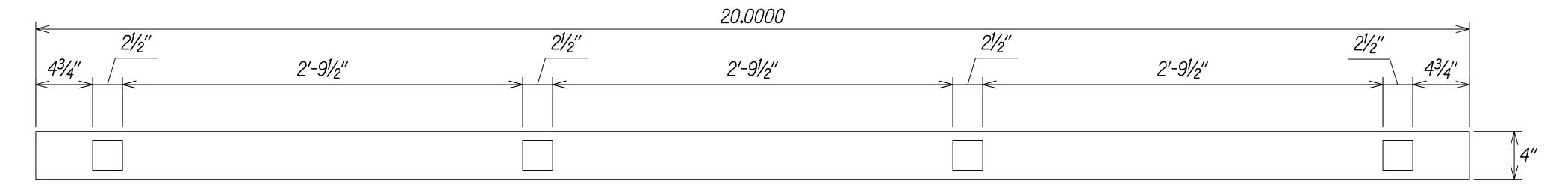
 OTE BOOK
 DESIGNED BY
 QUANTITIES BY

 CHECKED BY
 CHECKED BY

ADD.105

LICENSED PROFESSIONAL ENGINEER

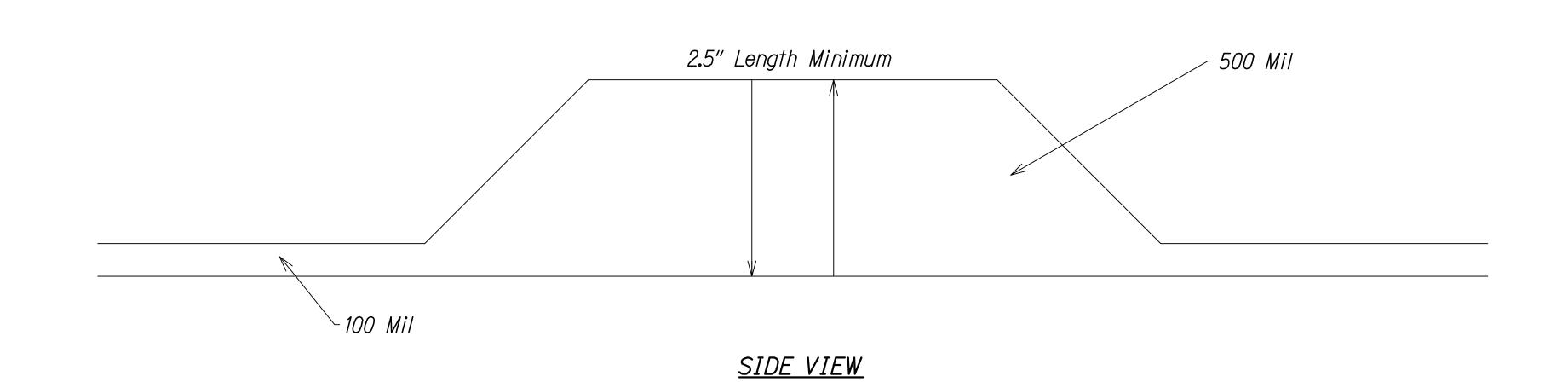
FED. ROAD DIST. NO. FED. AID PROJ. NO. FISCAL SHEET TOTAL YEAR NO. SHEETS NH-056-1(50) 2019 ADD.106 244

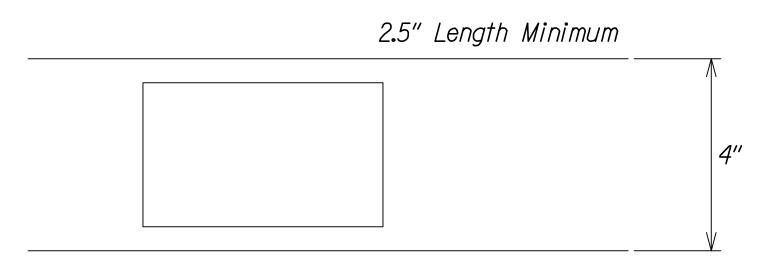


# <u>TOP VIEW</u> LANE LINE

#### *Notes:*

- Profiles placed on 36" o.c.
- 2. 500 mil height, including 100 mil baseline.
  3. Width equal to approximately baseline width.

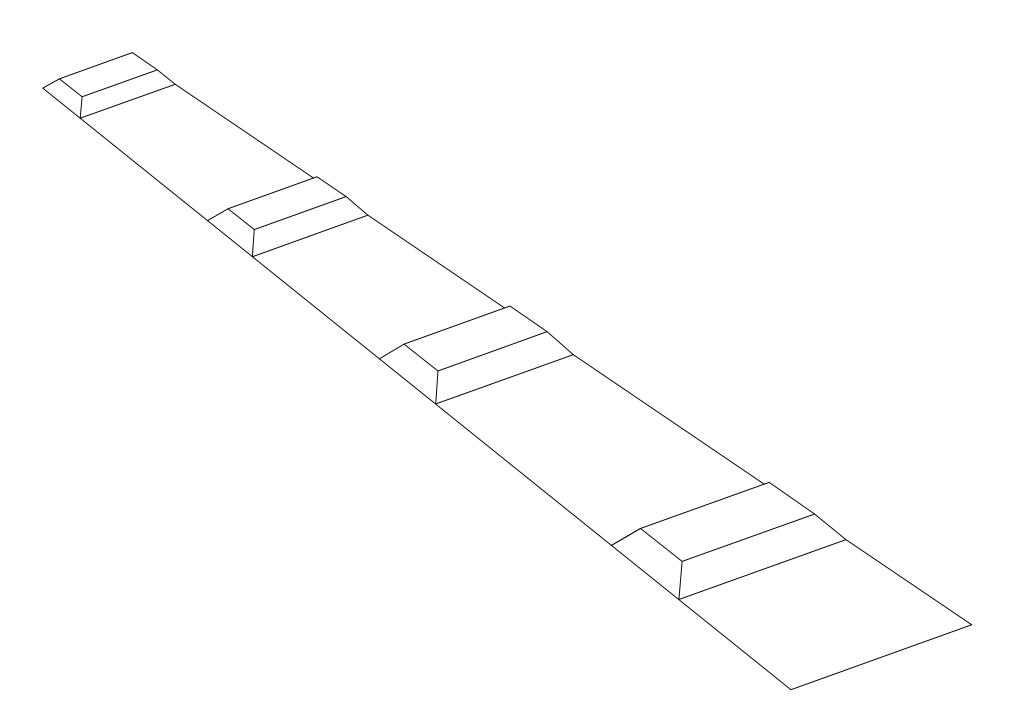




TOP VIEW

### PROFILED THERMOPLASTIC STRIPING DETAILS

Not to Scale



### PERSPECTIVE VIEW



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION

### MISCELLANEOUS DETAILS

KUHIO HIGHWAY SHORT-TERM

IMPROVEMENTS KUAMOO ROAD

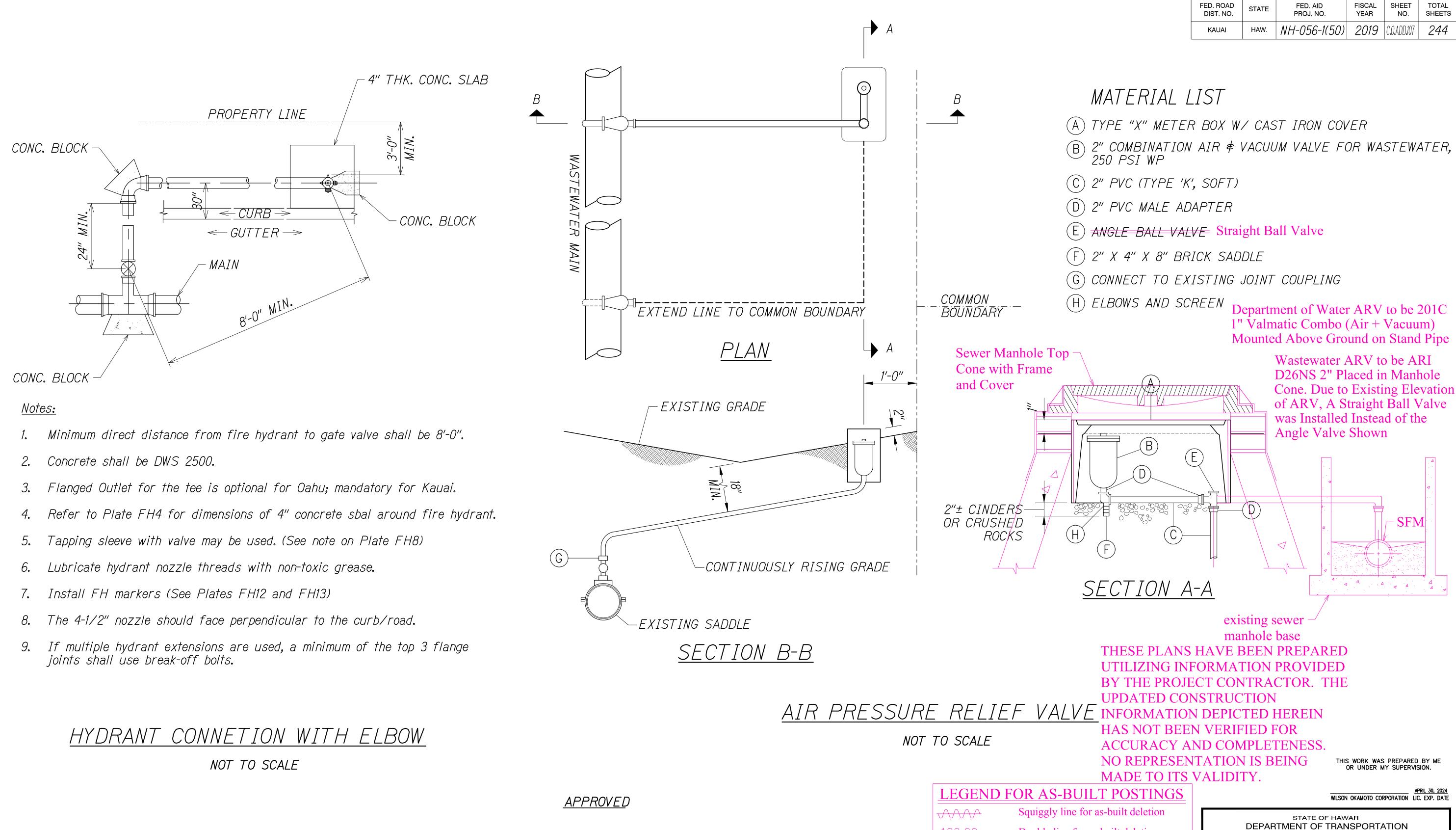
TO TEMPORARY KAPAA BYPASS ROAD Fed. Aid Proj. No. NH-056-1(50) Scale: As Noted Date: July 2019

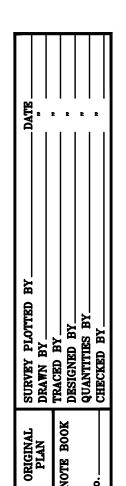
SHEET No. 76 OF 11 SHEETS

11/12/19 🛕 Reissuing plan for legibility only. No design changes have been made.

9/20/19 A Reissuing plan for legibility only. No design changes have been made. DATE

ADD.106





Manager and Chief Engineer Date Department of Water, County of Kauai

Date

Chief, Division of Wastewater Management

Double line for as-built deletion 100.00 Roadway Text for as-built posting

11/12/19 & Reissuing plan for legibility only. No design changes have been made. 9/20/19 A Reissuing plan for legibility only. No design changes have been made.

DATE

Fed. Aid Proj. No. NH-056-1(50) Scale: As Noted REVISION SHEET No. 77 OF 11 SHEETS

FED. AID PROJ. NO.

FISCAL SHEET YEAR NO.

- SFM

WILSON OKAMOTO CORPORATION LIC. EXP. DATE

Date: July 2019

STATE OF HAWAI'I

HIGHWAYS DIVISION

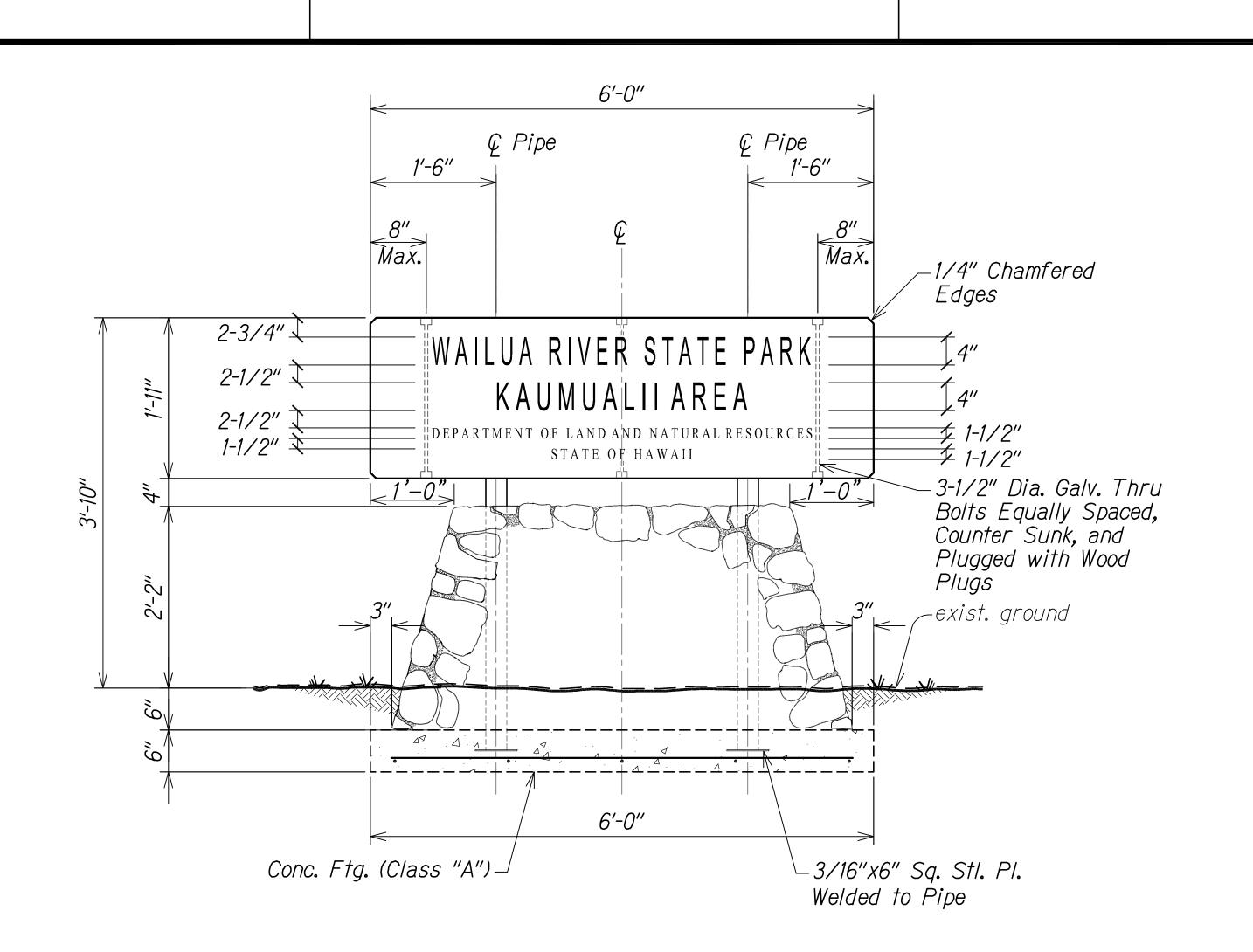
MISCELLANEOUS DETAILS

KUHIO HIGHWAY SHORT-TERM

IMPROVEMENTS KUAMOO ROAD

TO TEMPORARY KAPAA BYPASS ROAD

"AS-BUILT" C.O.ADD.107

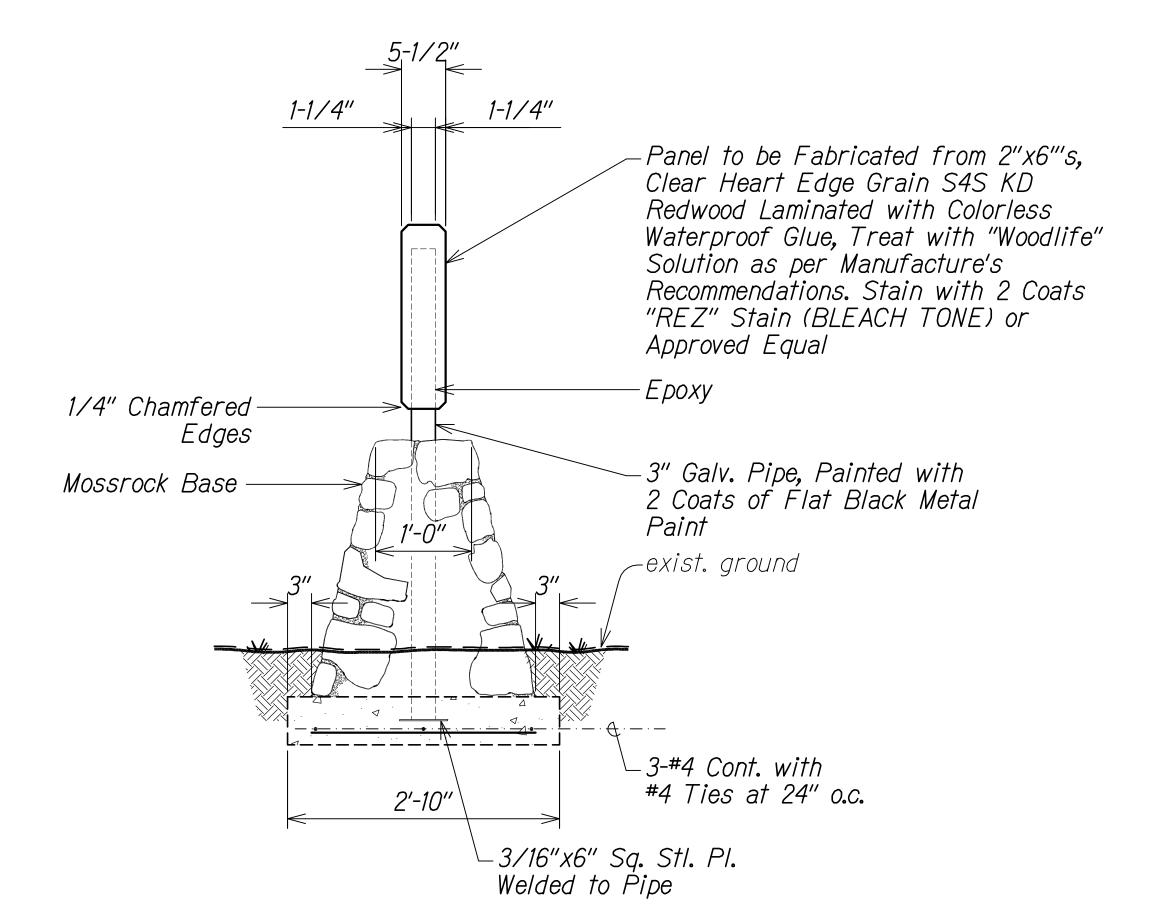


FRONT ELEVATION /

Not to Scale

FED. ROAD DIST. NO. STATE FED. AID PROJ. NO. FISCAL SHEET NO. SHEETS

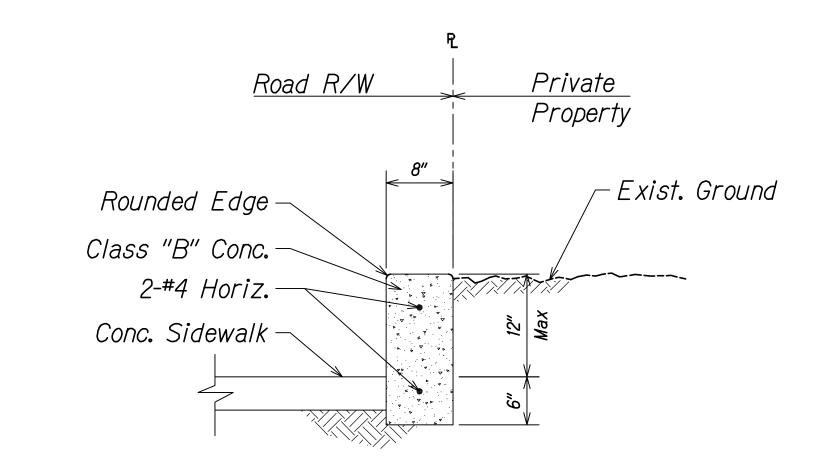
KAUAI HAW. NH-056-1(50) 2019 ADD:108 244



SIDE ELEVATION

Not to Scale

DI-2 DI-2



## TYPE "B" GRADE ADJUSTMENT WALL

NOT TO SCALE

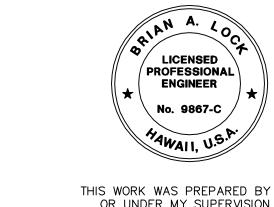
### PARK NAME SIGN DETAIL

Not to Scale

#### NOTES:

KR12 DT-2

- 1. The exact location of the park name sign shall be as directed by the Engineer.
- 2. Letters to be sandblasted 1/4" into wood for 4" high letters and 3/16" into wood for 1-1/2" letters and sprayed with black lithochrome before removing rubber mask. Letter style shall be "OPTIMA" and in caps.
- 3. Submit two (2) sets of shop drawings for signs (1/2) size for approval.
- 4. Contractor shall set up a 2'x2'x2' sample of mossrock base for approval by Engineer before completion of base.



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STATE OF HAWAI'I
DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

### MISCELLANEOUS DETAILS

KUHIO HIGHWAY SHORT-TERM

IMPROVEMENTS KUAMOO ROAD

TO TEMPORARY KAPAA BYPASS ROAD

Fed. Aid Proj. No. NH-056-1(50)

Scale: As Noted Date: July 2019

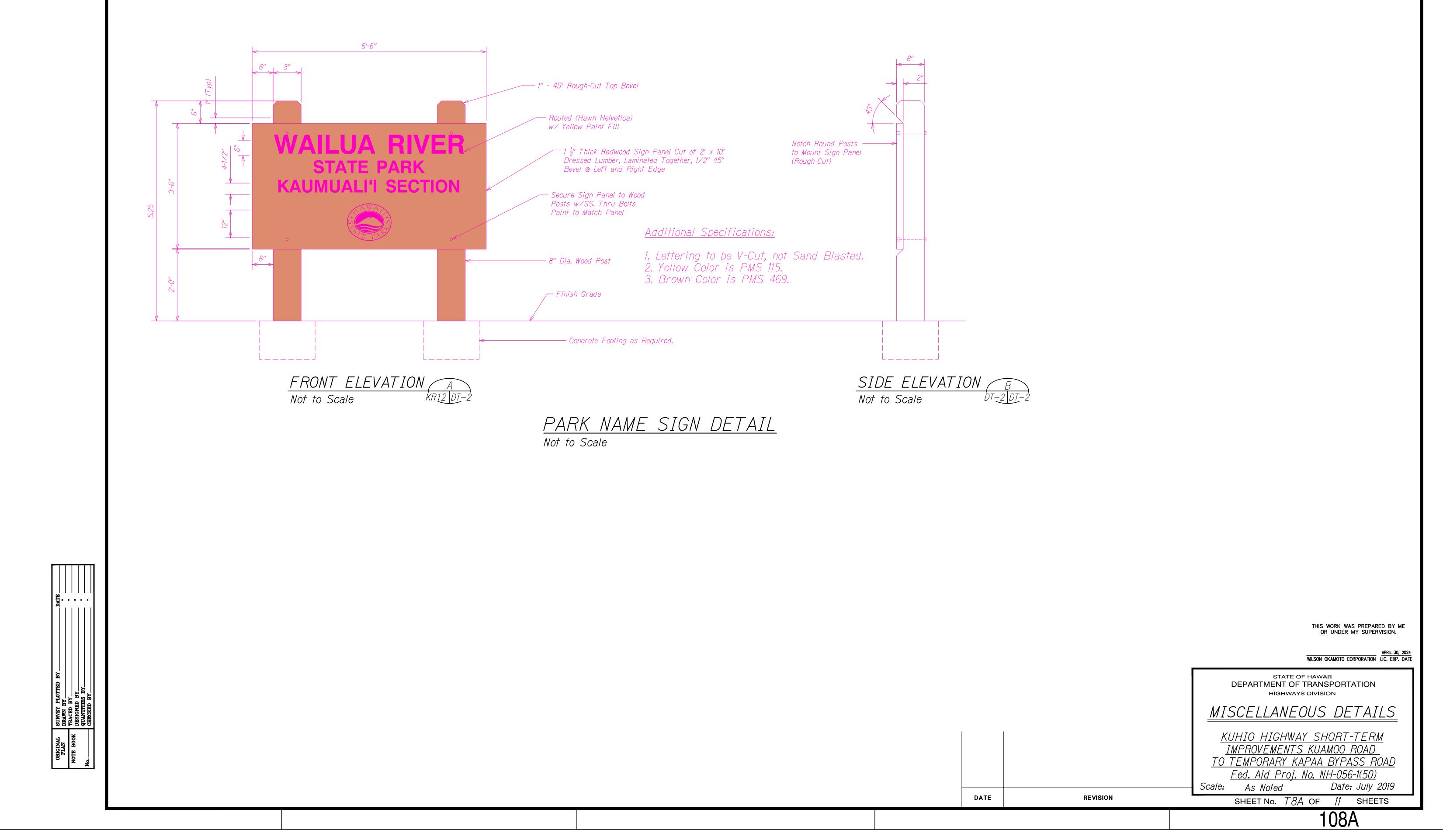
SHEET No. 78 OF 11 SHEETS

11/12/19 \( \text{\lambda}\) Reissuing plan for legibility only. No design changes have been made.

9/20/19 \( \text{\lambda}\) Reissuing plan for legibility only. No design changes have been made.

DATE REVISION

ADD.108



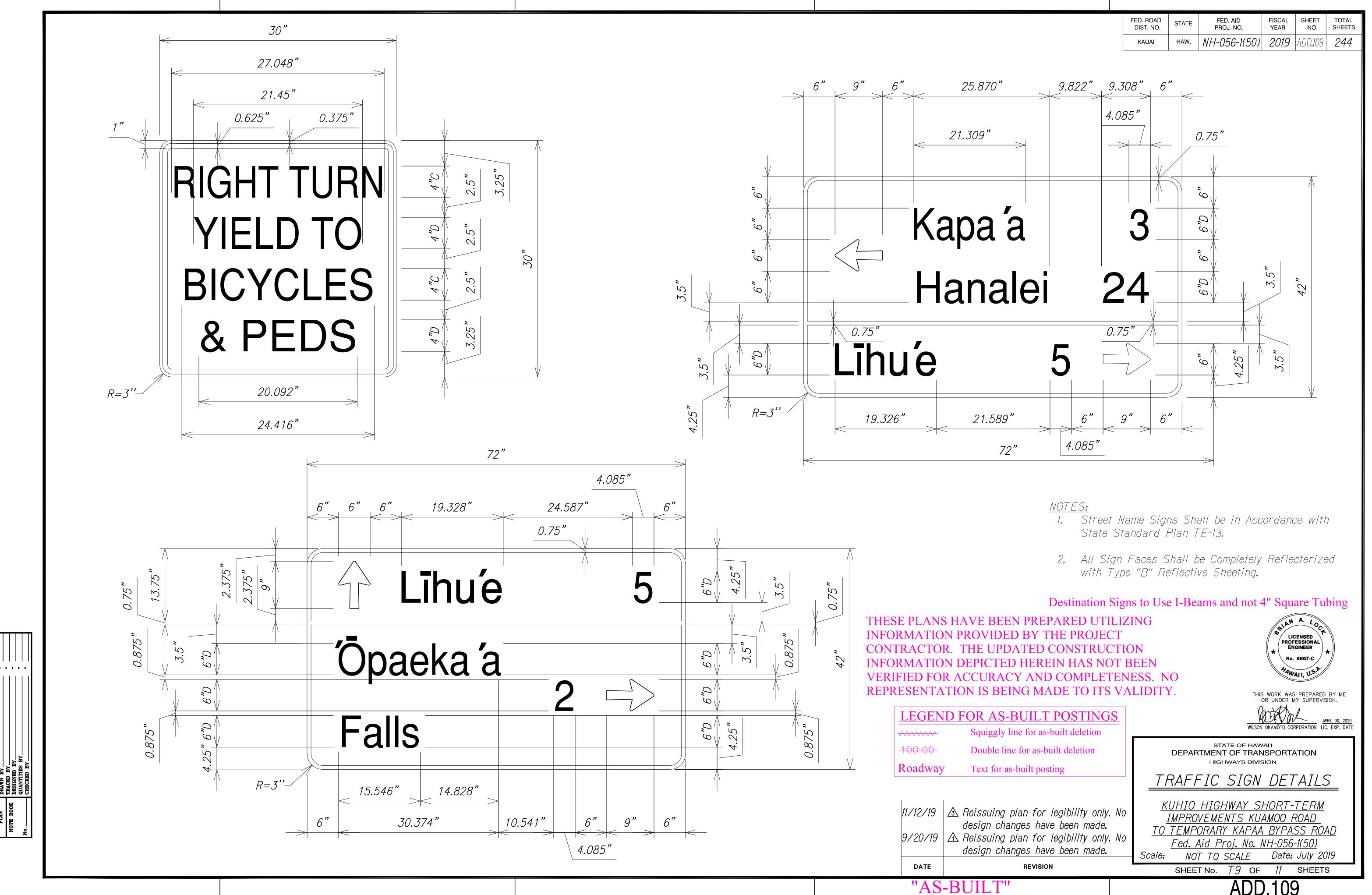
FED. ROAD DIST. NO.

STATE

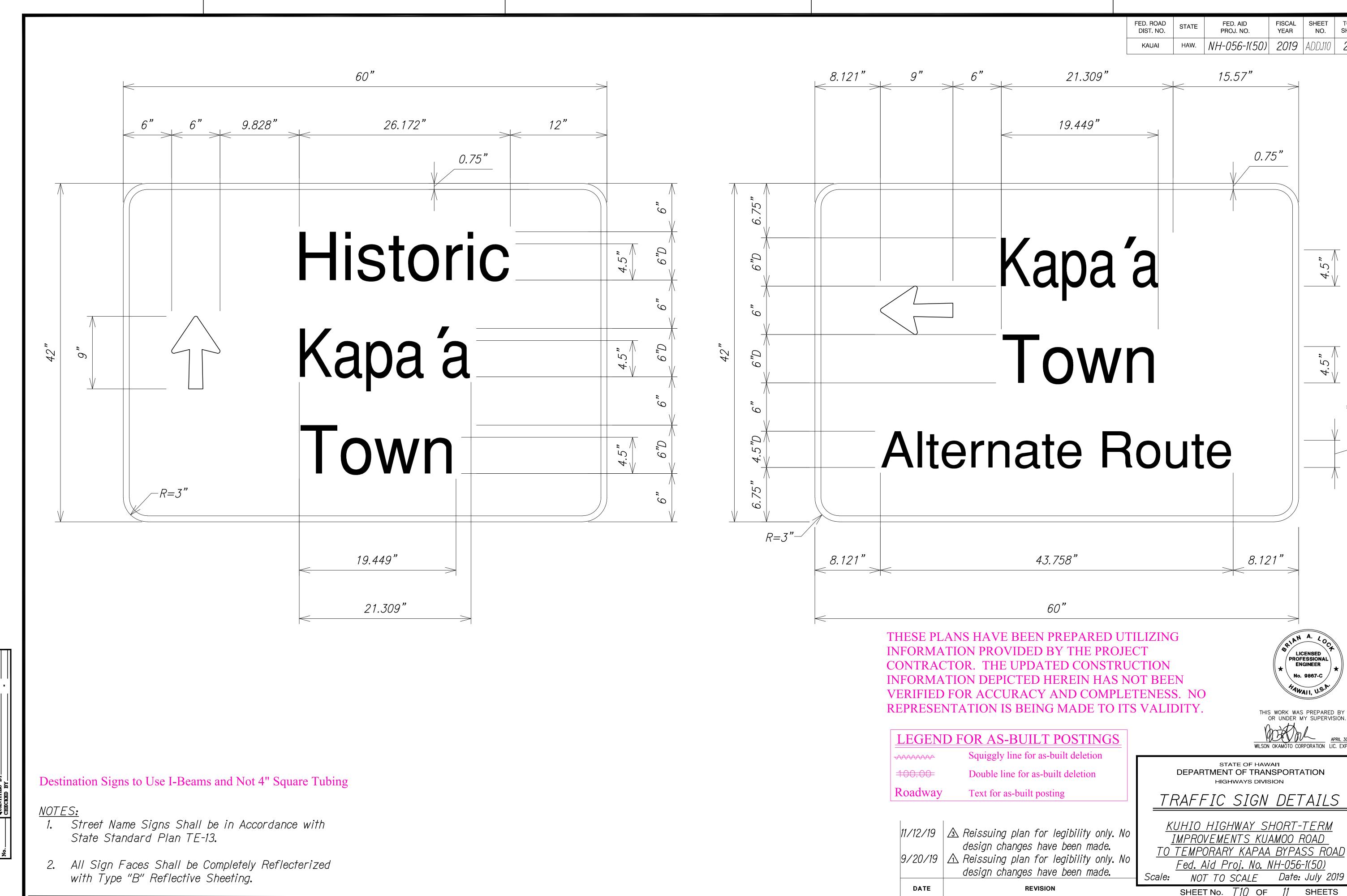
FED. AID PROJ. NO.

HAW. NH-056-1(50) 2019 108A 244

FISCAL SHEET TOTAL YEAR NO. SHEETS



ADD.109



SHEET No. 710 OF 11 SHEETS ADD.110 "AS-BUILT"

*15.57*"

0.75"

8.121"

STATE OF HAWAI'I

**DEPARTMENT OF TRANSPORTATION** 

HIGHWAYS DIVISION

Fed. Aid Proj. No. NH-056-1(50)

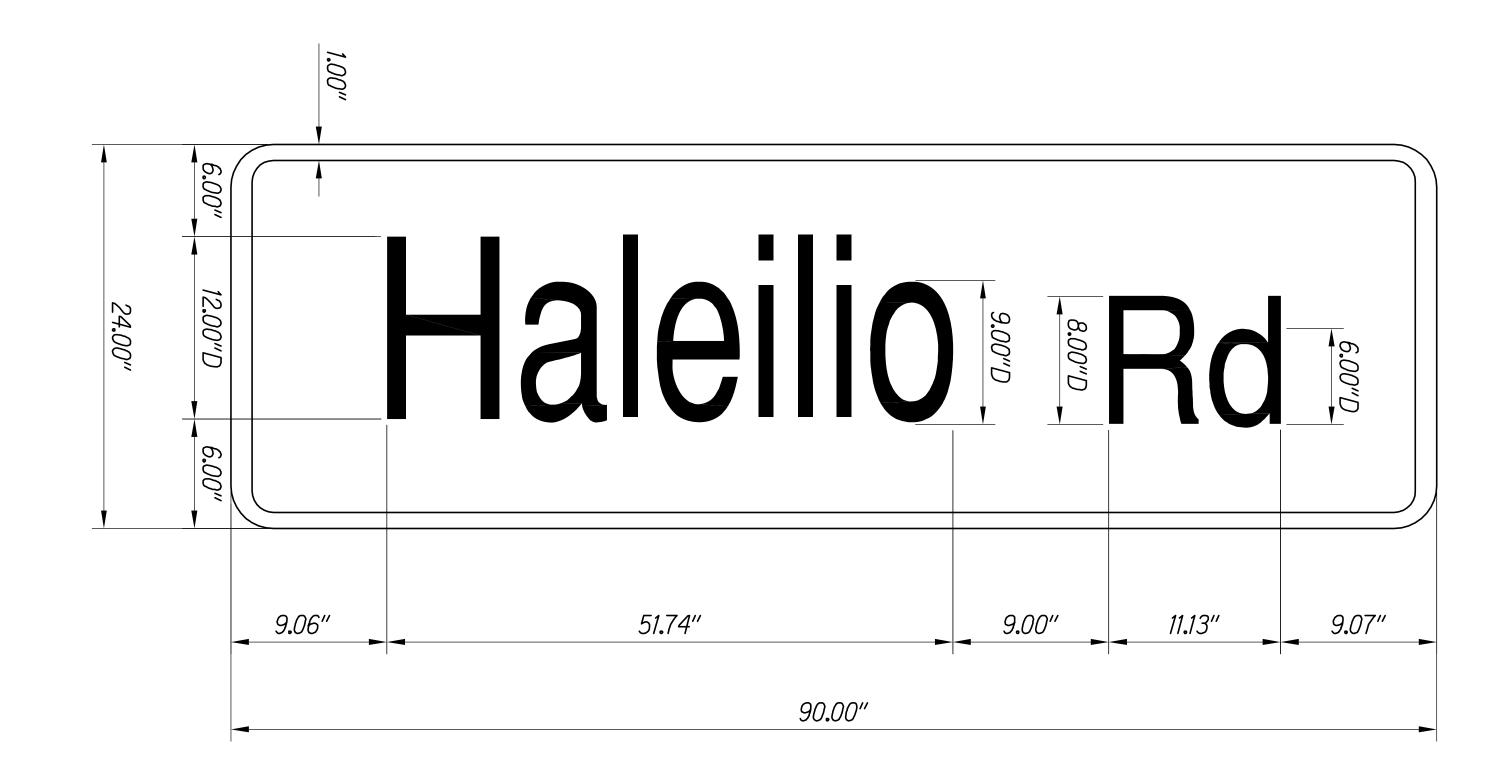
NOT TO SCALE Date: July 2019

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

4.5"

4.5"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
KAUAI	HAW.	NH-056-1(50)	2019	ADD.111	244





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

APRIL 30, 2020
WILSON OKAMOTO CORP. LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

### TRAFFIC SIGN DETAILS

KUHIO HIGHWAY SHORT-TERM

IMPROVEMENTS KUAMOO ROAD

TO TEMPORARY KAPAA BYPASS ROAD

Fed. Aid Proj. No. NH-056-1(50)

Scale: NOT TO SCALE Date: JULY 2019

10/30/19 🖎 Reissuing plan for legibility only. No

design changes have been made.

9/20/19 A Reissuing plan for legibility only. No

DATE

design changes have been made.

**REVISION** 

SHEET No. *T11* OF *11* SHEETS

 ORIGINAL
 SURVEY PLOTTED BY
 DATE

 PLAN
 DRAWN BY
 "

 IOTE BOOK
 DESIGNED BY
 "

 QUANTITIES BY
 "

 CHECKED BY
 "

#### NOTES:

- 1. Street Name Signs Shall be in Accordance with State Standard Plan TE-13.
- 2. All Sign Faces Shall be Completely Reflecterized with Type "B" Reflective Sheeting.