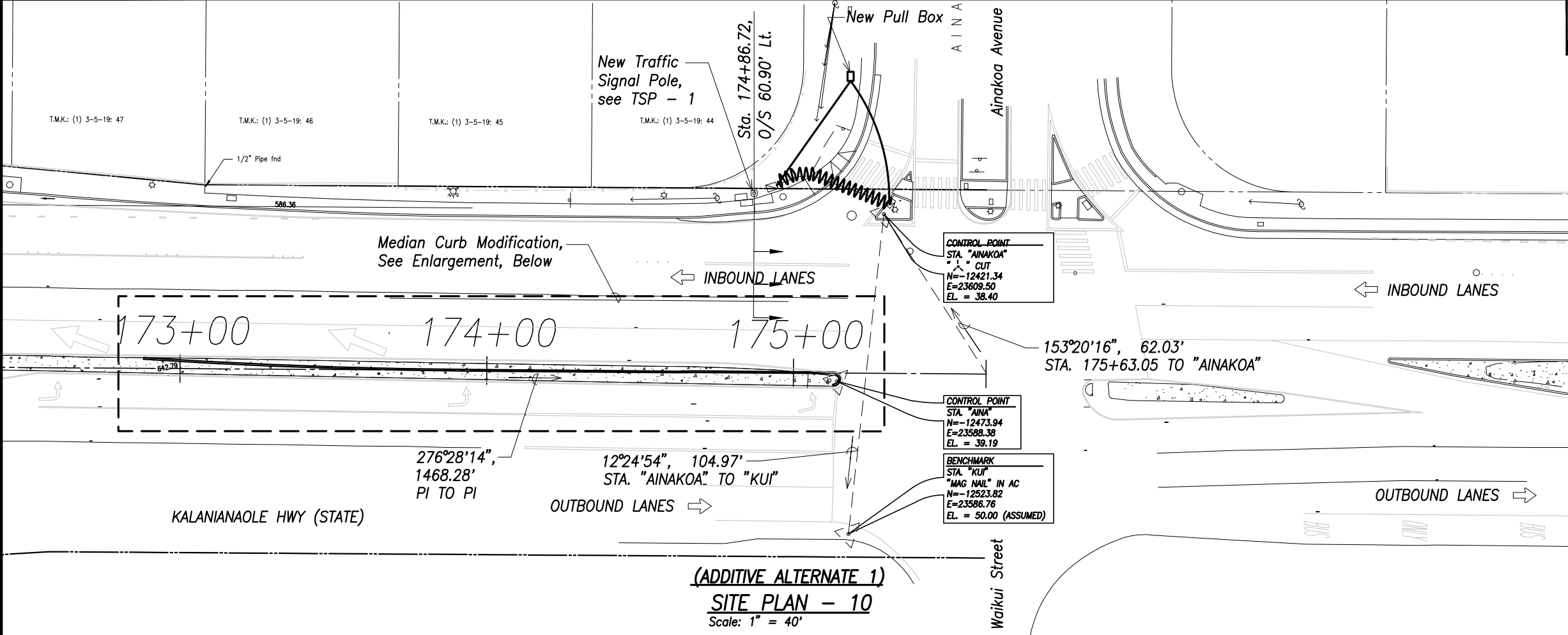


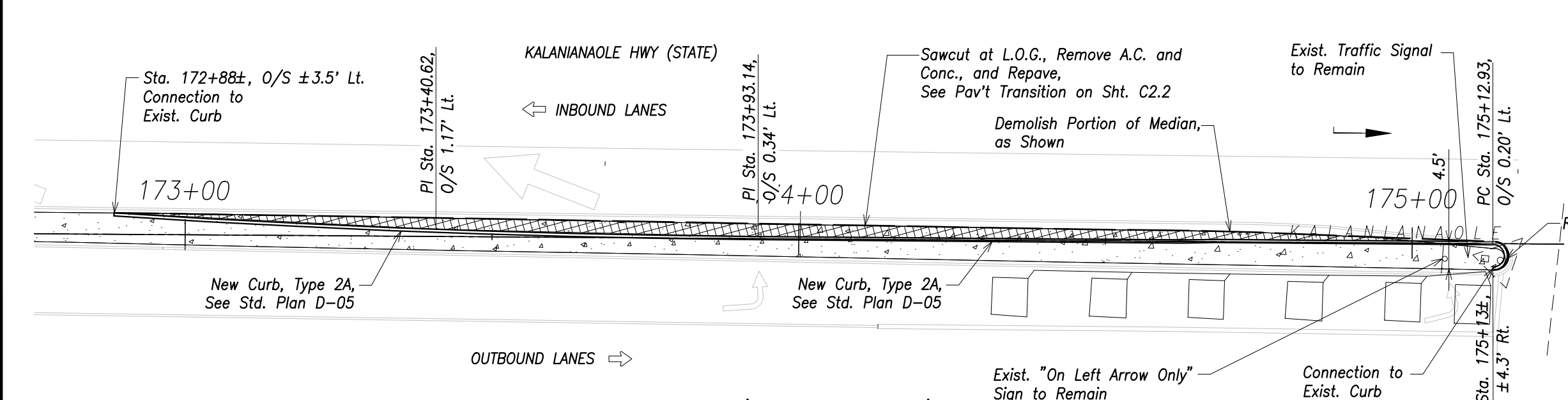
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	154	190



True North  
1" = 40'

**LEGEND FOR AS-BUILT POSTINGS**

- Squiggly line for as-built deletion
- Double line for as-built deletion
- Text for as-built posting



True North  
1" = 20'

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
NO.	

DRAWING NAME: C:\USERS\BANDALLY\APPDATA\LOCAL\TEMP\AC\PUBLISH-19408\CIVIL SITE PLANS AS-BUILT.DWG PLOT TIME: 12-02-21, 7:50 AM

**(ADDITIVE ALTERNATE 1)**  
**PLAN - MEDIAN CURB**  
Scale: 1" = 20'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
*Stacy K. Yokoo*  
SIGNATURE DATE: APRIL 30, 2022  
LIC. EXP. DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ADDITIVE ALTERNATE 1**  
**SITE PLAN - 10**

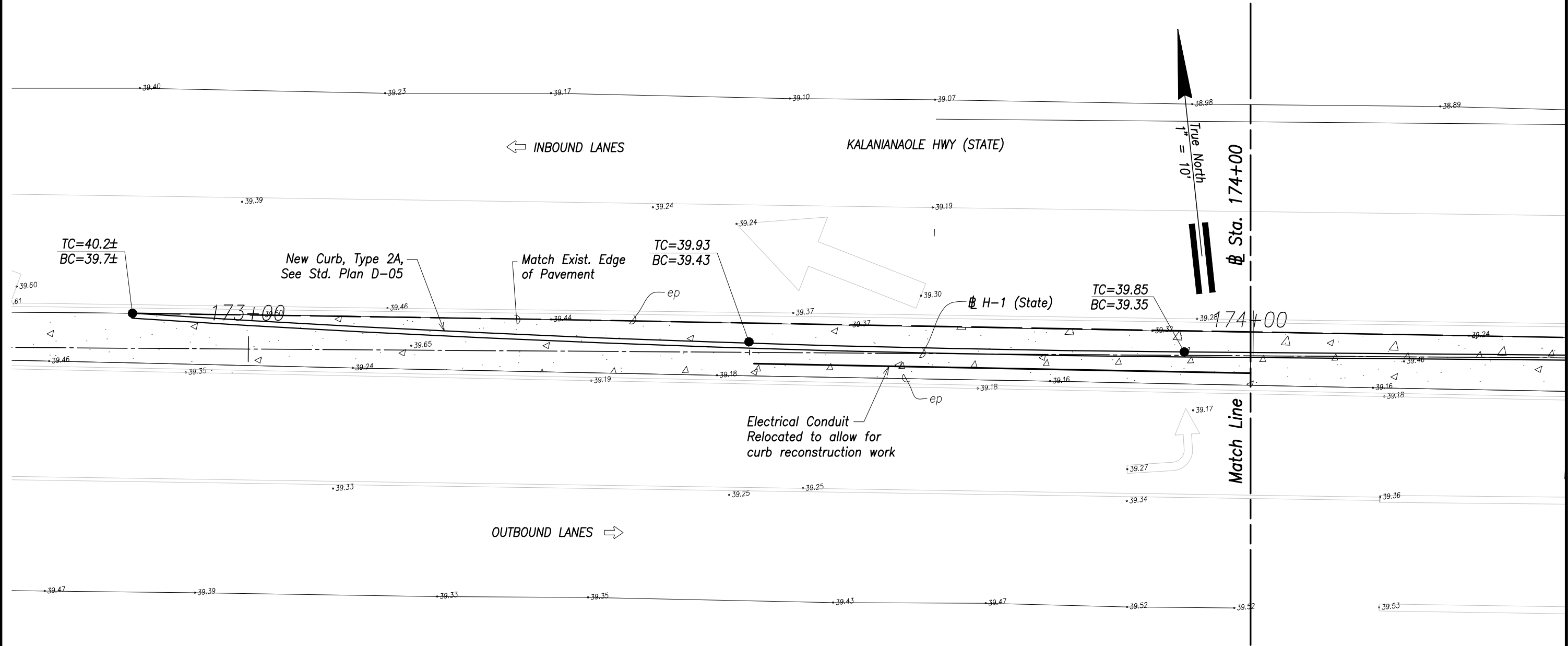
**INTERSTATE ROUTE H-1**  
**Guardrail and Shoulder Improvements,**  
**Kapiolani Interchange to Ainakoa Avenue**  
**Federal-Aid Project No. IM-HI-1(244)R**

Scale: As Shown Date: July 2018

SHEET No. C40 OF 4 SHEETS

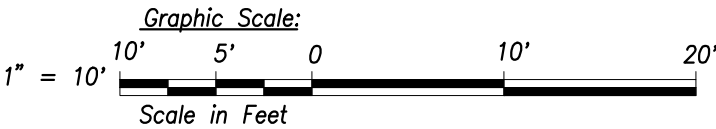
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	155	190



(ADDITIVE ALTERNATE 1)  
GRADING PLAN - 1  
Scale: 1" = 10'

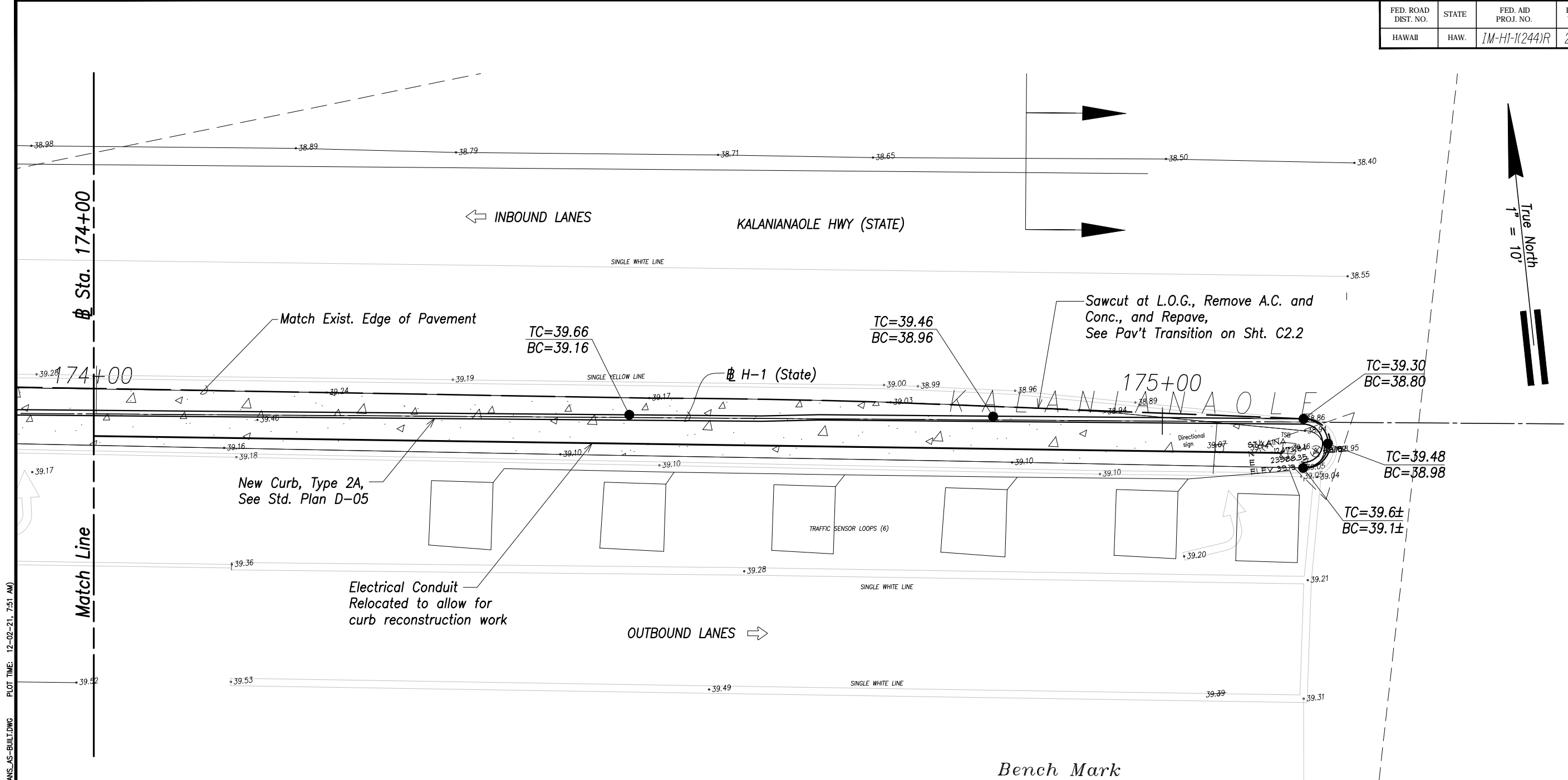
LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.  
Signature: *Stacy K. Yokoo*  
Date: April 30, 2022  
LIC. EXP. DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ADDITIVE ALTERNATE 1**  
**GRADING PLAN - 1**  
**INTERSTATE ROUTE H-1**  
**Guardrail and Shoulder Improvements,**  
**Kapiolani Interchange to Aiea Avenue**  
**Federal-Aid Project No. IM-HI-1(244)R**  
Scale: As Shown Date: July 2018  
SHEET No. **C41** OF 4 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	156	190



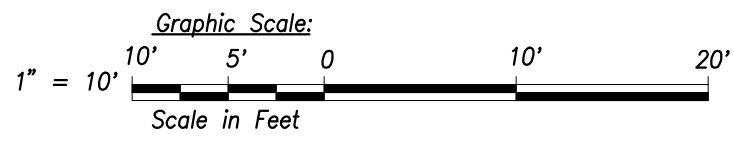
(ADDITIVE ALTERNATE 1)  
**GRADING PLAN - 2**  
Scale: 1" = 10'

**LEGEND FOR AS-BUILT POSTINGS**

Squiggly line for as-built deletion

Double line for as-built deletion

Text for as-built posting



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*Stacy K. Yokoo*

APR 30, 2022

UC. EXP. DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**ADDITIVE ALTERNATE 1**

**GRADING PLAN - 2**

**INTERSTATE ROUTE H-1**

**Guardrail and Shoulder Improvements,**

**Kapiolani Interchange to Ainakoa Avenue**

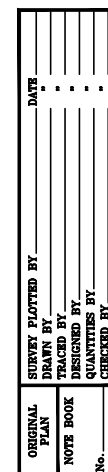
**Federal-Aid Project No. IM-HI-1(244)R**

Scale: As Shown Date: July 2018

SHEET No. 042 OF 4 SHEETS

"AS-BUILT"

DRAWING NAME: K:\CIVIL\21029-H1 KAPLOJANI-INNAKOA\DRAWINGS\CONSTRUCTION DWGS\REBID REDUCED SCOPE\RECORD DWGS (AS-BUILTS)\ACAD\NEW FOLDER\ACAD-STRIPING PLAN - AS-BUILT.DWG PLOT TIME: 12-02-21, 2:10 PM)



Plan view of a road intersection showing lane markings, signs, and dimensions.

**Signage:**

- W11-1 30"x30" (Bicycle symbol)
- W11-1 18"x24" (SHARE THE ROAD)

**Dimensions and Markings:**

- 100' distance from match line to sign location.
- 5' distance from sign location to lane markings.
- 11' distance between lane markings.
- 6" White Edge Lane Line (Restripe).
- Type "A" Lane Markers, Typ. (See Std. Plan TE-26).
- Tie in to existing Striping.
- Restripe 4" White Edge Lane Line (See Std. Plan TE-27).

**Other Labels:**

- ep (edge of pavement)
- INBOUND LANES
- KALANIANA'OLE HWY (STATE)
- OUTBOUND LANES
- Match Line (See Above)

True North  
↓ = 40'

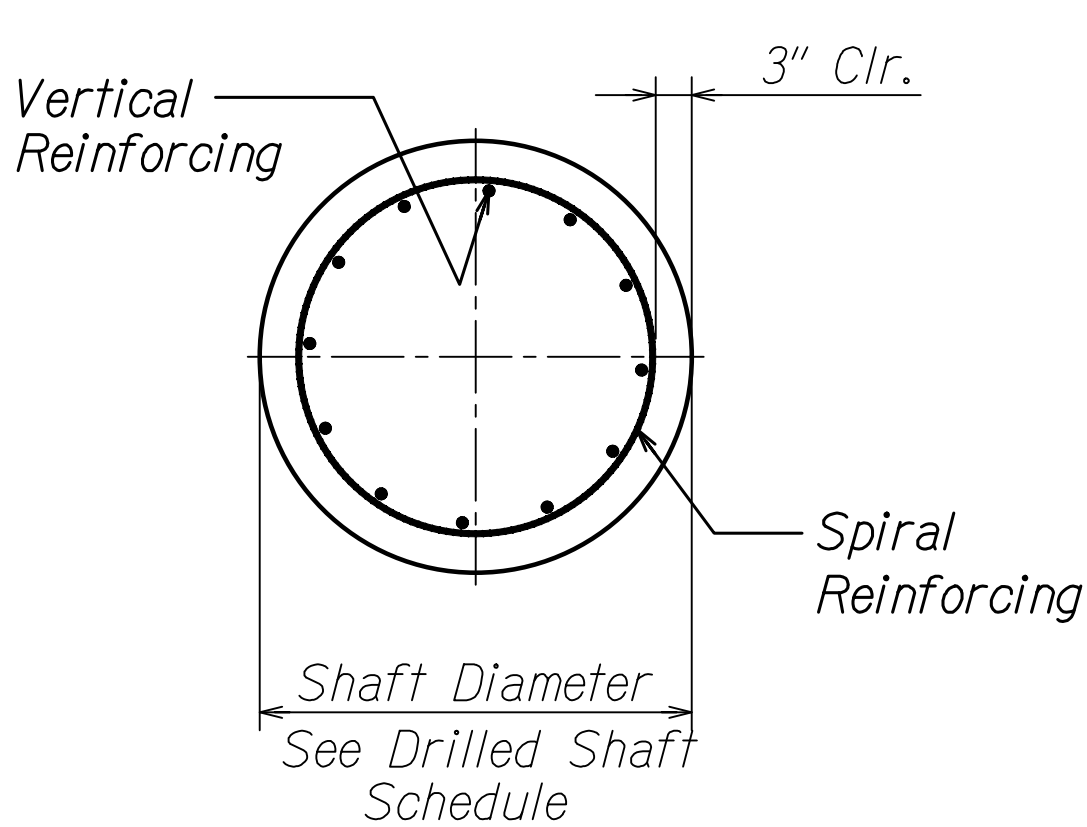
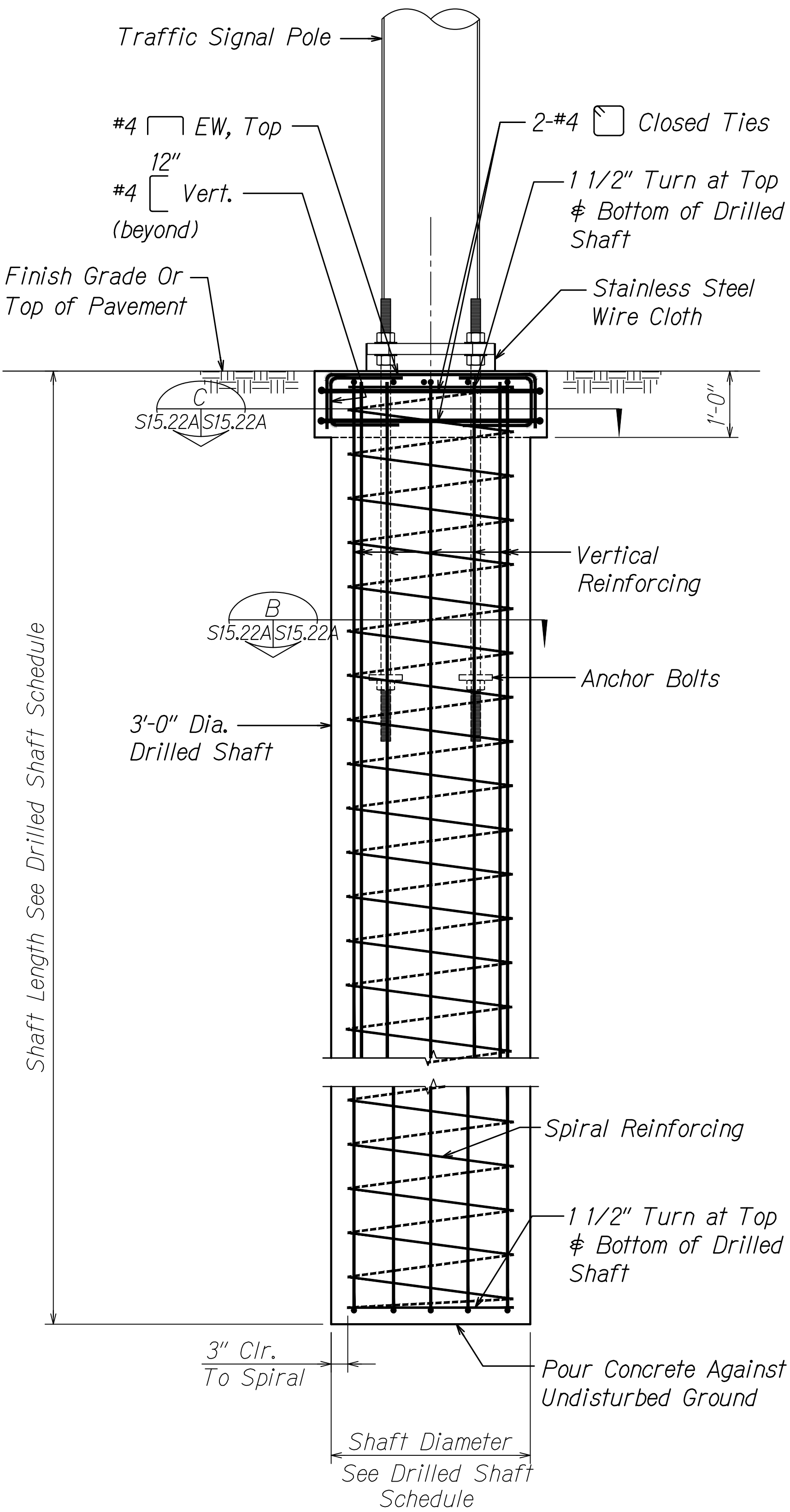


THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.

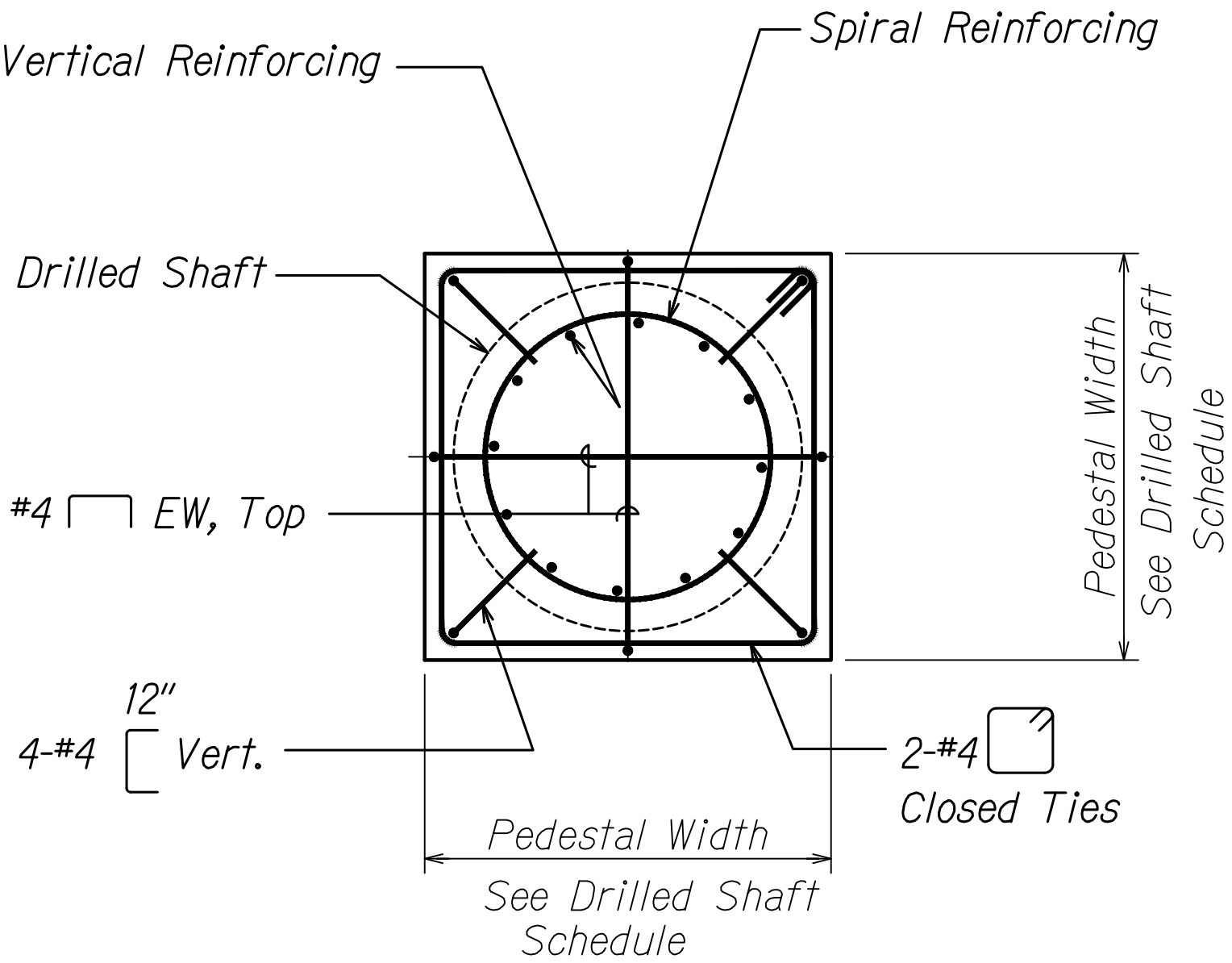
Askyhong As APRIL 30, 2014  
SIGNATURE LIC. EXP. DATE

”AS-BUILT”

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	157S-1	190

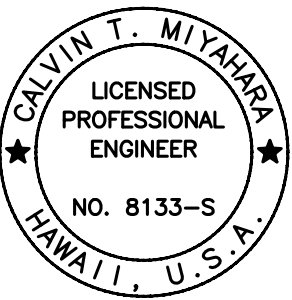


SECTION **B**  
Scale: 3/4" = 1'-0" S15.22A S15.22A



SECTION **C**  
Scale: 3/4" = 1'-0" S15.22A S15.22A

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting



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OR UNDER MY SUPERVISION.  
*Calvin Miyahara*  
KSF, INC. APRIL 30, 2020  
LIC. EXP. DATE

Drilled Shaft Schedule					
	Shaft Diameter Inch	Shaft Length Feet	Pedestal Width Inch	Vertical Reinforcing	Spiral Reinforcing
Type II Traffic Signal Standard	36	22	42	12-#8	#5 @ 6"

TYPICAL SIGNAL LIGHT  
POLE FOUNDATION  
Scale: 3/4" = 1'-0"

**A**  
S15.22A S15.22A

6/5/20	4	New Sheet - Pole Foundation
DATE	REVISION	

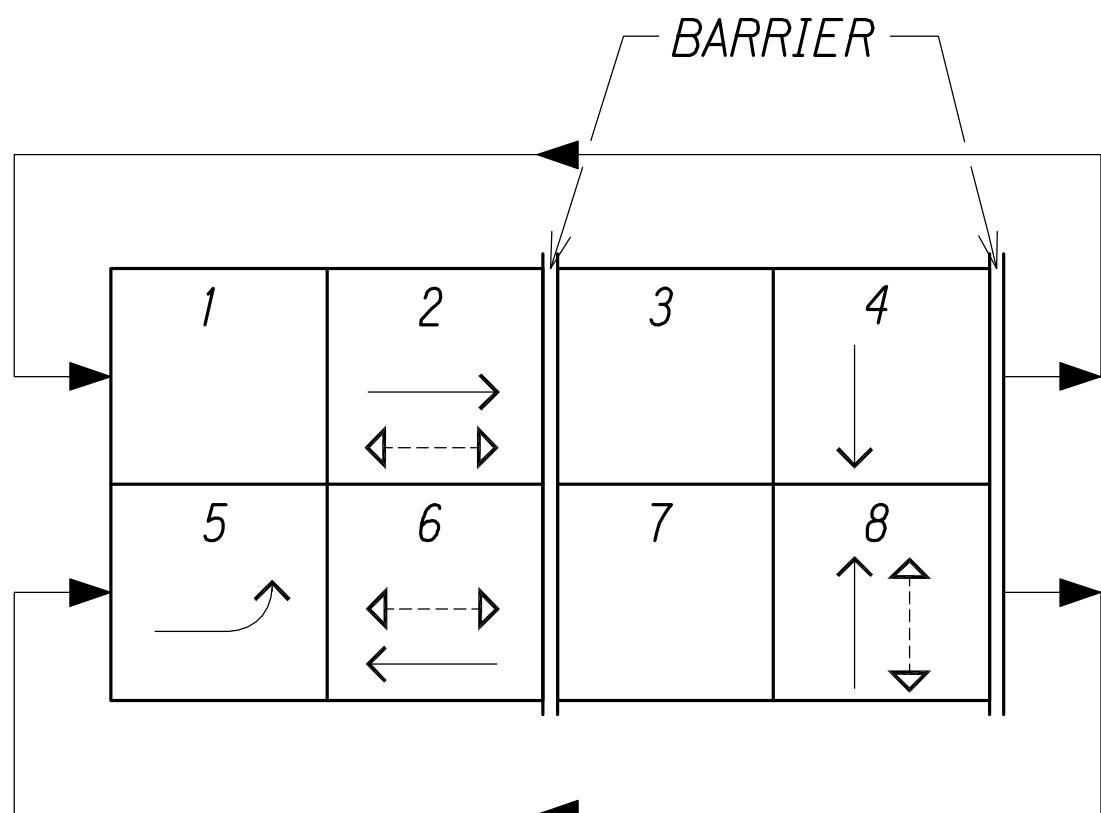
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ADDITIVE ALTERNATE 1**  
**TYPICAL SIGNAL LIGHT POLE FOUNDATION**  
**INTERSTATE ROUTE H-1**  
**Guardrail and Shoulder Improvements,**  
**Kapiolani Interchange to Alakoa Avenue**  
**Federal-Aid Project No. IM-HI-1(244)R**  
Scale: As Shown Date: July 2018  
SHEET No. S15.22A OF 1 SHEETS

"AS-BUILT"

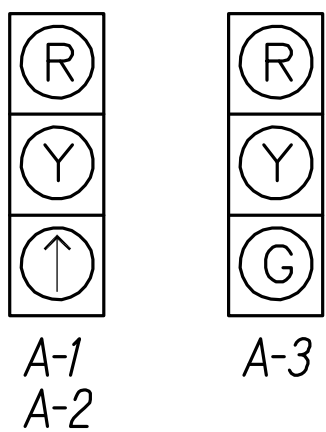
157S-1

TRUE NORTH  
SCALE: 1" = 20'

PHASE DIAGRAM		
PHASE 2, 5	PHASE 2, 6	PHASE 4, 8



PHASE ASSIGNMENT DIAGRAM



SIGNAL INDICATIONS

NOTE:

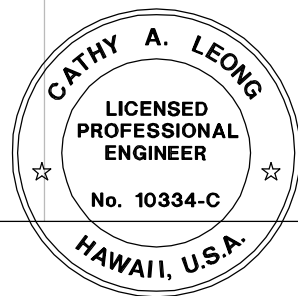
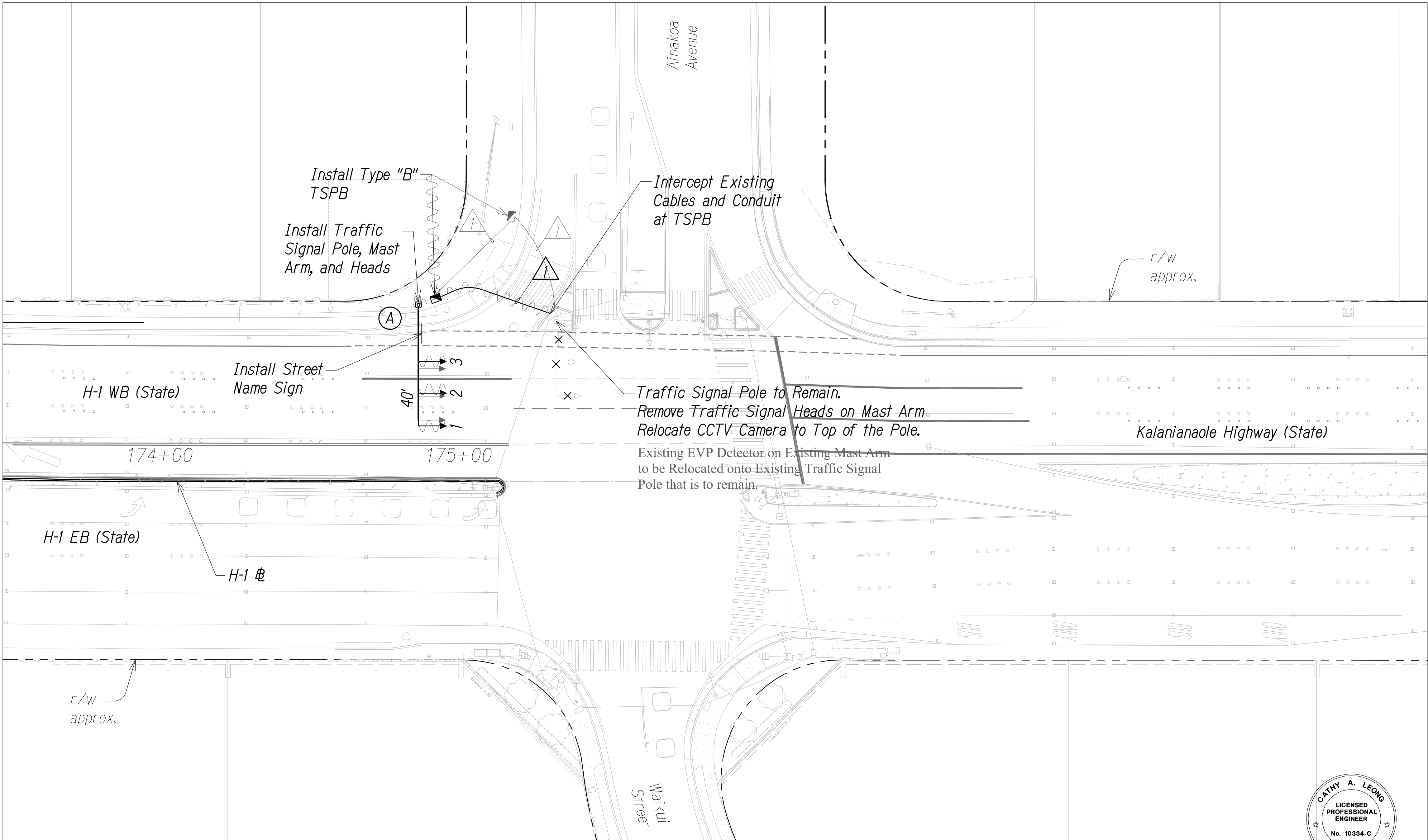
1. Install Backplates on New Mast Arm Mounted Traffic Signal Heads on Horizontal Portion of Mast Arm only. Backplates shall be 5" with slots to reduce Wind Load with 1" Retro-Reflective Border.
2. See TSP-2 for Street Name Sign Detail.

GRAPHIC SCALE:  
20' 10' 0 20' 40'  
SCALE: 1" = 20'

LEGEND FOR  
AS-BUILT POSTINGS

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

CONDUIT AND CABLE SCHEDULE		
Δ	CONDUIT	CABLE
1	2-2"	2-26C#14
	2-2"	SPARE



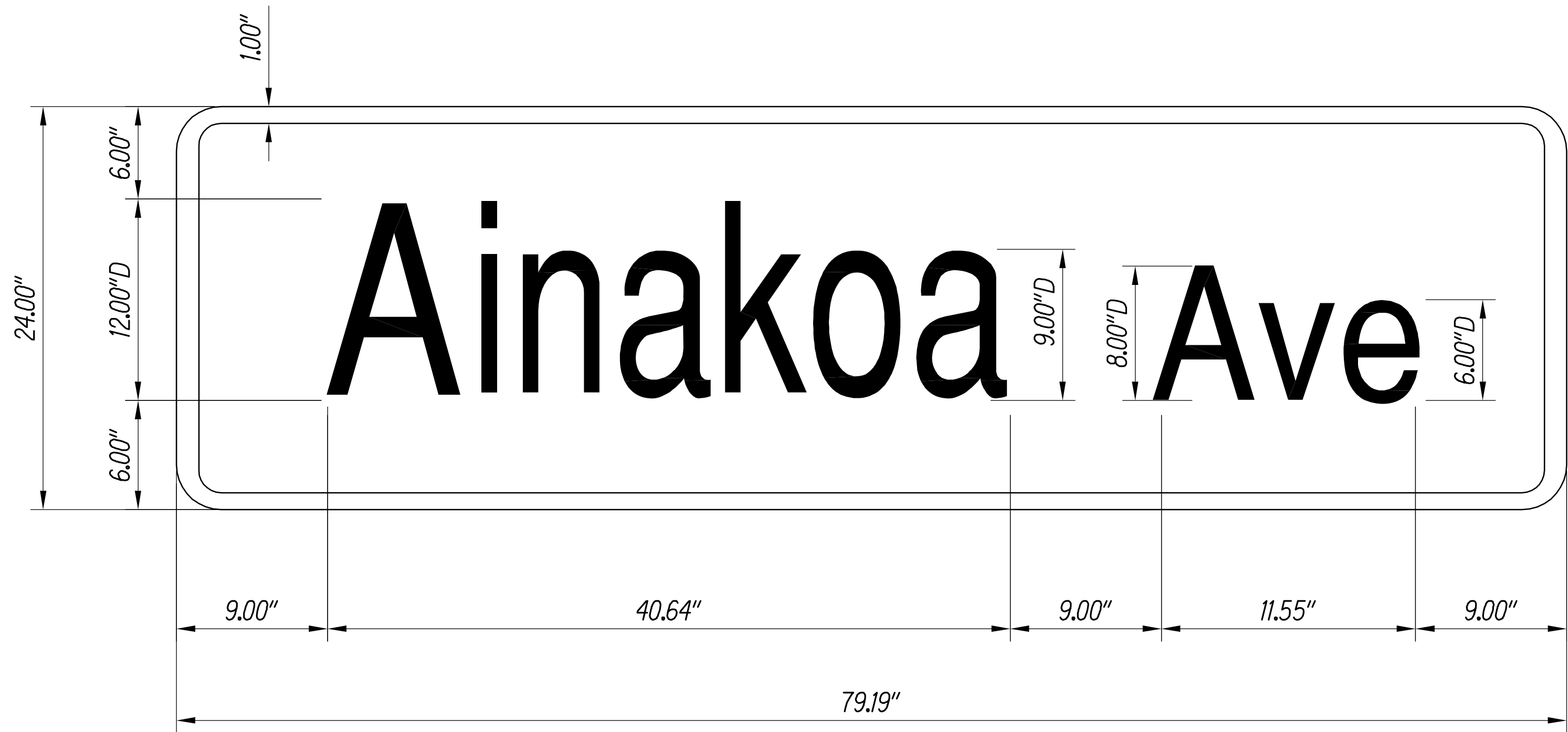
THIS WORK WAS PREPARED BY ME  
OR UNDER MY SUPERVISION.  
*Cathy A. Leong*  
APRIL 30, 2020  
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ADDITIVE ALTERNATE 1**  
**TRAFFIC SIGNAL PLAN**  
**INTERSTATE ROUTE H-1**  
**Guardrail and Shoulder Improvements,**  
**Kapiolani Interstate to Ainakoa Avenue**  
**Fed. Aid Project No. IM-HI-1(244)R**  
Scale: 1" = 20' Date: July 2018

SHEET No. TSP-1 OF 2 SHEETS

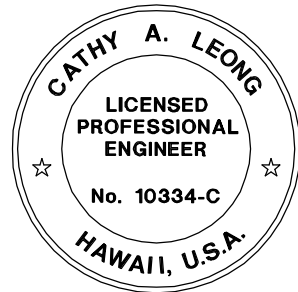
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	159	190



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

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



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*Cathy A. Leong*  
WILSON OKAMOTO CORPORATION LIC. EXP. DATE APRIL 30, 2020

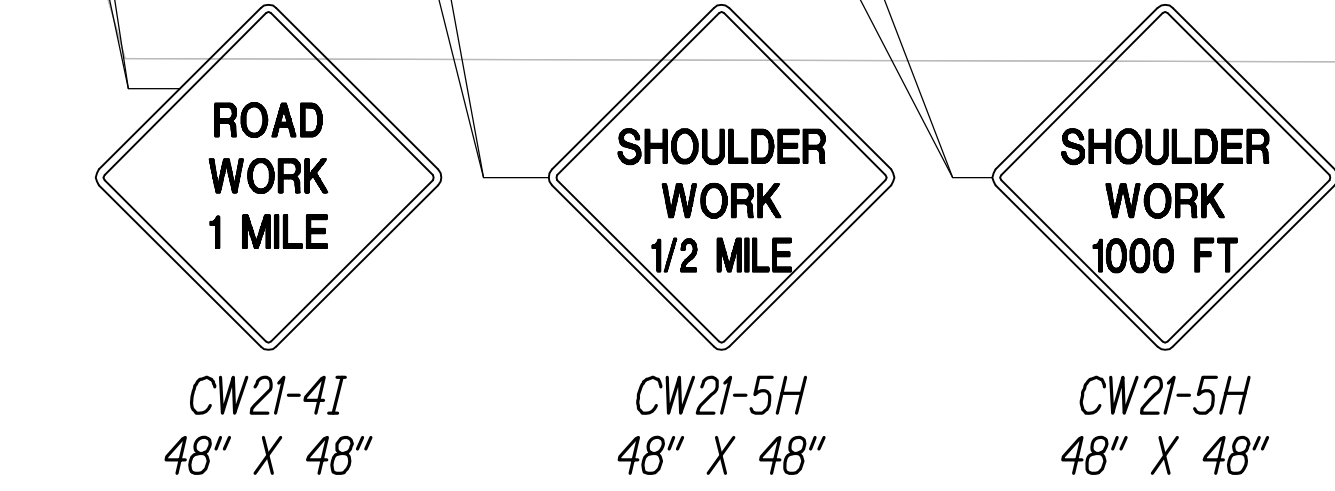
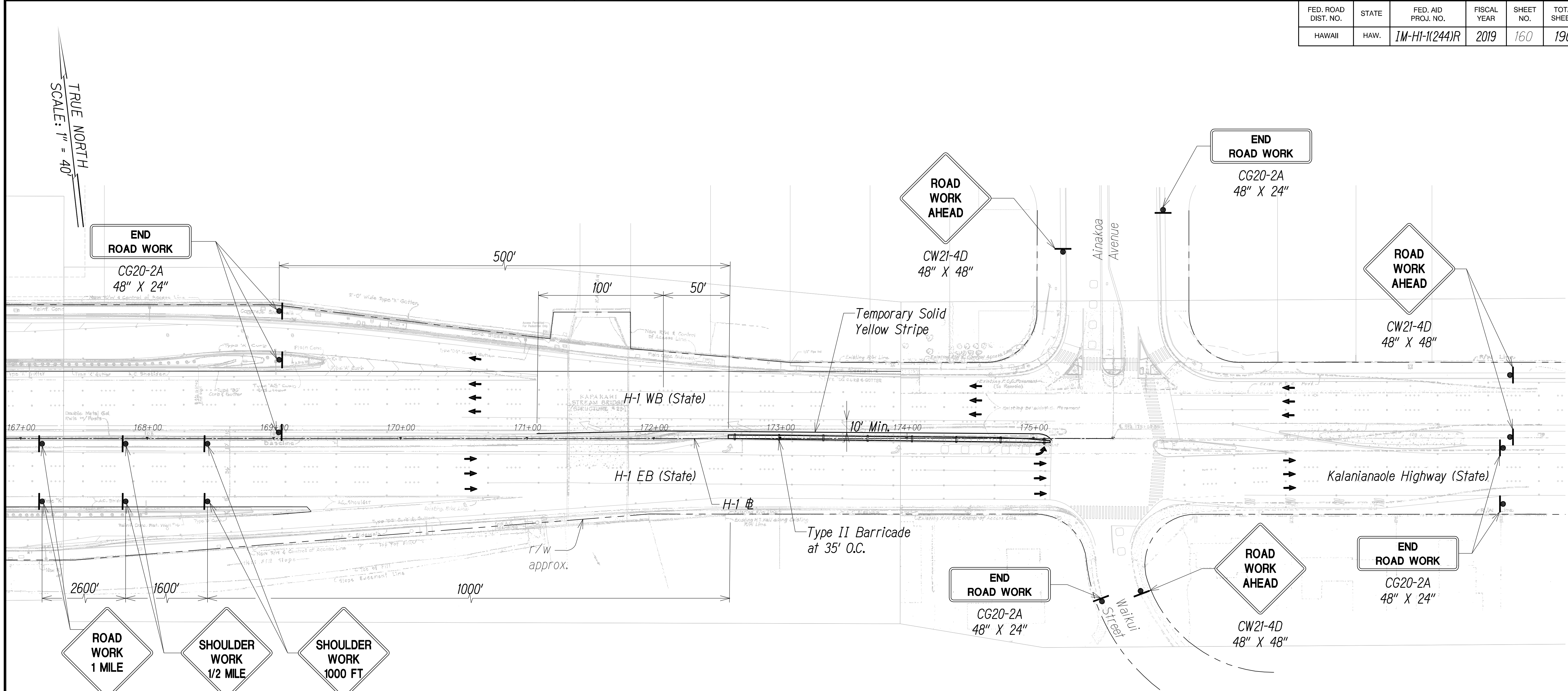
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ADDITIVE ALTERNATE 1**  
**TRAFFIC SIGNAL DETAILS**  
*INTERSTATE ROUTE H-1*  
*Guardrail and Shoulder Improvements,*  
*Kapiolani Interstate to Ainakoa Avenue*  
*Fed. Aid Project No. IM-HI-1(244)R*  
Scale: Not to Scale Date: July 2018

SHEET No. TSP-2 OF 2 SHEETS

"AS-BUILT"

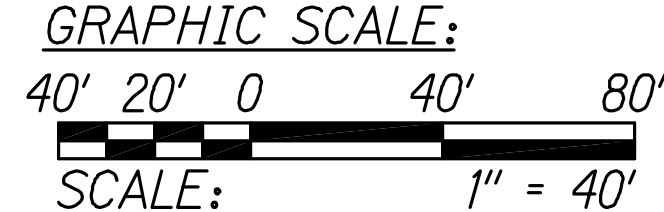


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	1M-HI-1(244)R	2019	160	190



LEGEND

- |                           |                               |
|---------------------------|-------------------------------|
| Work Zone                 | Existing Sign                 |
| Concrete Barrier          | Flow of Traffic               |
| Sign                      | Inertial Barrier System, TL-3 |
| Temporary Solid Striping  | Type II Barricade             |
| Temporary Dashed Striping |                               |
| Temporary White Guideline |                               |



- NOTES:
1. Inertial barrier system shall conform with NCHRP 350 - Test Level 3.
  2. All striping is temporary and shall be considered incidental to Section - 645 Work Zone Traffic Control.
  3. Install advisory signs according to Section 645 - Work Zone Traffic Control, a minimum of 500' before and after the extents of the traffic control.
  4. Unless otherwise specified, Traffic Control Plan cannot be combined without authorization from the project engineer.



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*Cathy A. Leong*  
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

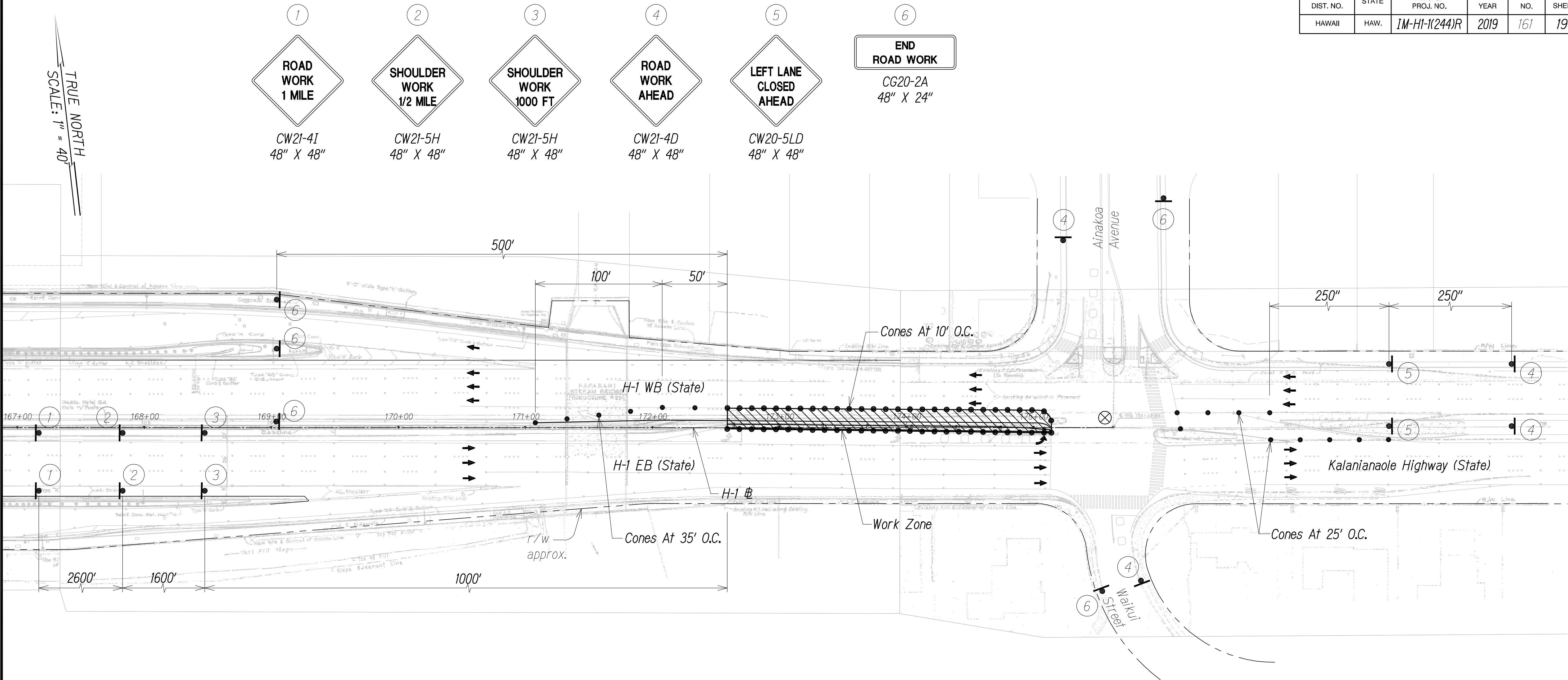
TRAFFIC CONTROL PLAN - PHASE 10  
24-HOUR CLOSURE  
(DURATION: 2 WEEKS)  
SCALE: 1" = 40'

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ADDITIVE ALTERNATE 1**  
**TRAFFIC CONTROL PLAN**  
INTERSTATE ROUTE H-1  
Guardrail and Shoulder Improvements,  
Kapiolani Interstate to Ainakoa Avenue  
Fed. Aid Project No. 1M-HI-1(244)R  
Scale: 1" = 40' Date: July 2018  
SHEET No. TC-54 OF 66 SHEETS

"AS-BUILT"



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	161	190



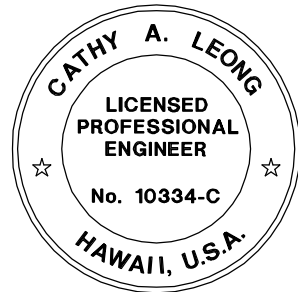
LEGEND

- ⊗ Special Duty Officer
- Cones or Delineators
- Sign
- ➔ Flow of Traffic
- ▮ Arrowboard Panel

GRAPHIC SCALE:  
40' 20' 0 40' 80'  
SCALE: 1" = 40'

NOTES:

- Work Hours to Occur Between 8:30 a.m. to 3:00 p.m. (Monday through Friday).
- Unless otherwise specified, Traffic Control Plan cannot be combined without authorization from the project engineer.



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*Cathy A. Leong*  
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

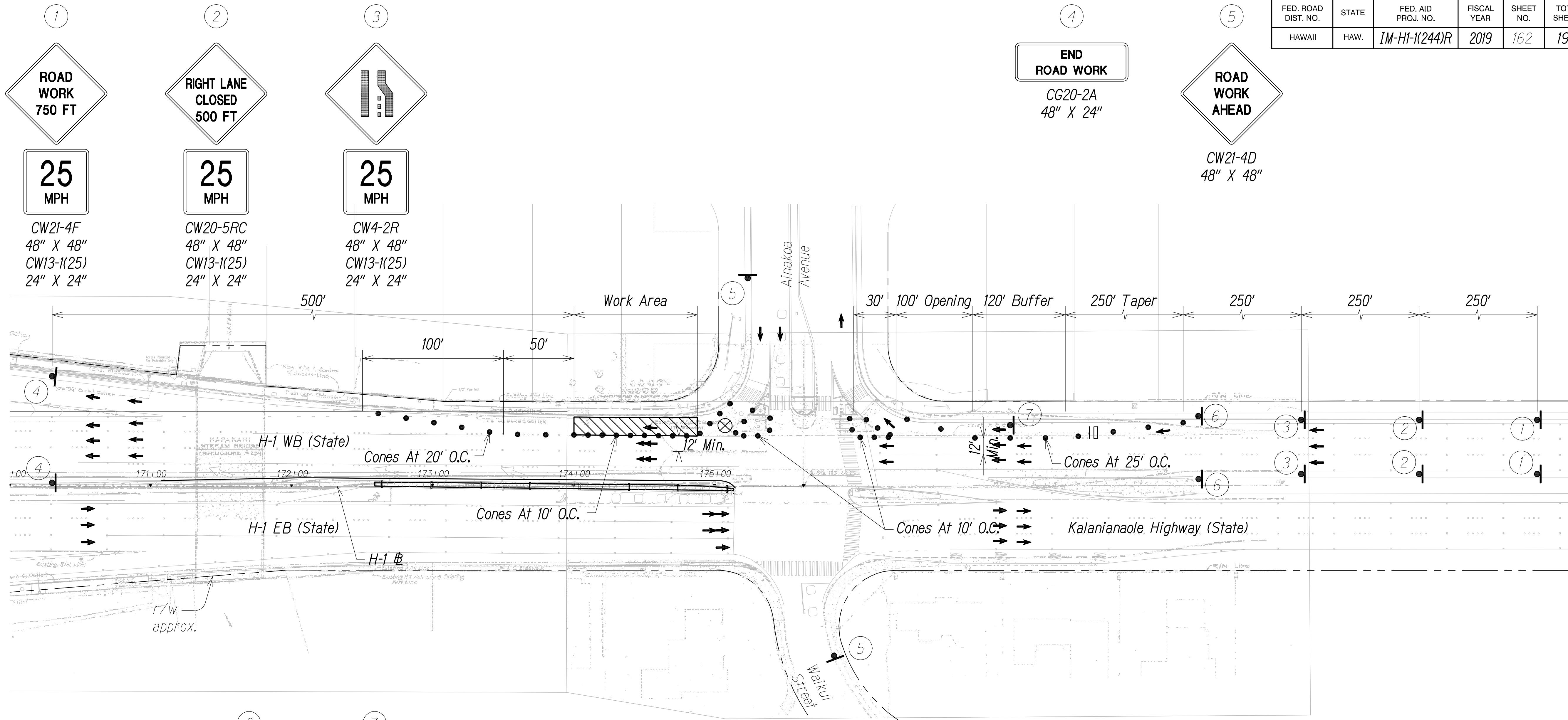
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ADDITIVE ALTERNATE 1**  
**TRAFFIC CONTROL PLAN**  
**INTERSTATE ROUTE H-1**  
*Guardrail and Shoulder Improvements,  
Kapiolani Interstate to Ainakoa Avenue  
Fed. Aid Project No. IM-HI-1(244)R*  
Scale: 1" = 40' Date: July 2018  
SHEET No. TC-55 OF 66 SHEETS

PHASE 10 - WESTBOUND LEFT LANE CLOSURE  
TEMPORARY CLOSURE  
(DURATION: 2 WEEKS)  
SCALE: 1" = 40'

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	162	190

TRUE NORTH  
SCALE: 1" = 40'

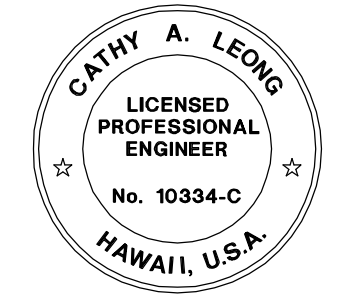


- LEGEND**
- ⊗ Special Duty Officer
  - Cones or Delineators
  - Sign
  - ➔ Flow of Traffic
  - ▮ Arrowboard Panel

**GRAPHIC SCALE:**  
40' 20' 0 40' 80'  
SCALE: 1" = 40'

- 6  
W11-1  
36" X 36"
- 7  
RIGHT LANE  
YIELD TO BIKES  
CUSTOM  
36" X 30"

- NOTES:**
1. Work Hours to Occur Between 8:30 a.m. to 3:00 p.m. (Monday through Friday).
  2. Unless otherwise specified, Traffic Control Plan cannot be combined without authorization from the project engineer.



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OR UNDER MY SUPERVISION.  
*Cathy A. Leong*  
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

**PHASE 10 - WESTBOUND RIGHT LANE CLOSURE**  
TEMPORARY CLOSURE  
(DURATION: 2 WEEKS)  
SCALE: 1" = 40'

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**ADDITIVE ALTERNATE 1**  
**TRAFFIC CONTROL PLAN**  
INTERSTATE ROUTE H-1  
Guardrail and Shoulder Improvements,  
Kapiolani Interstate to Ainakoa Avenue  
Fed. Aid Project No. IM-HI-1(244)R  
Scale: 1" = 40' Date: July 2018  
SHEET No. TC-56 OF 66 SHEETS

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

"AS-BUILT"