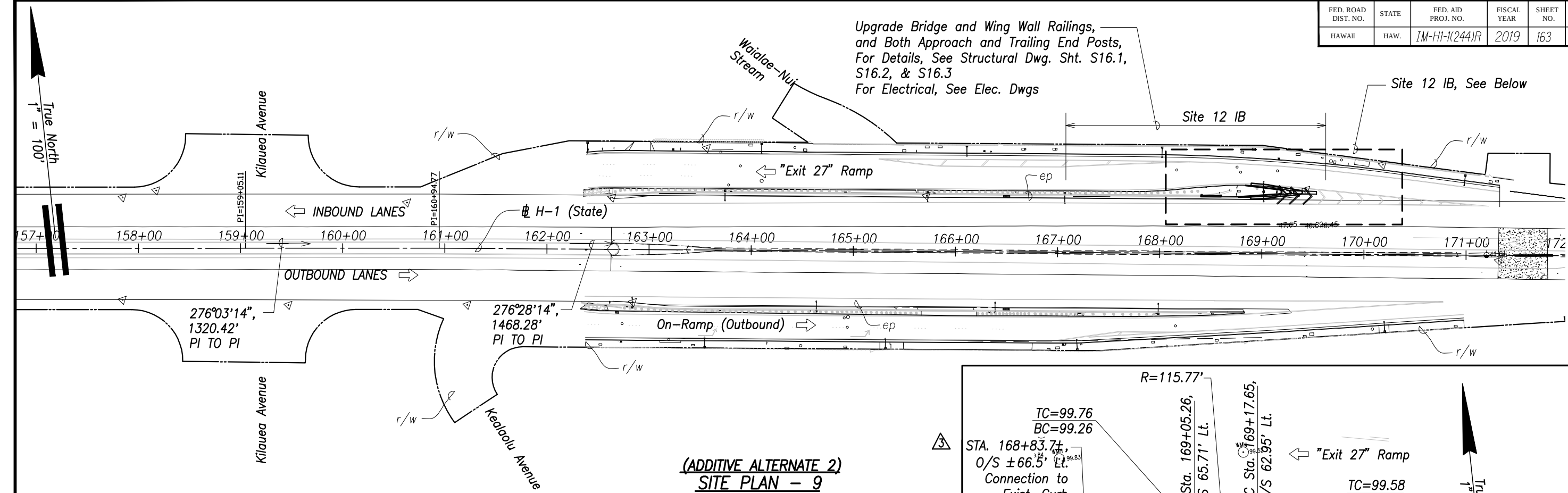
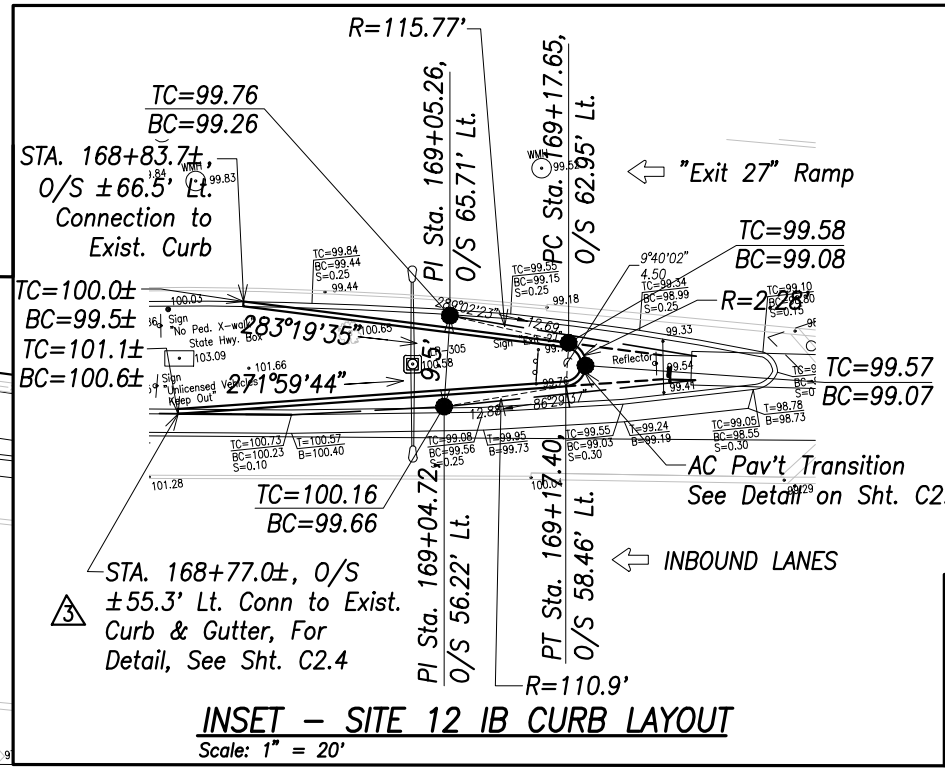
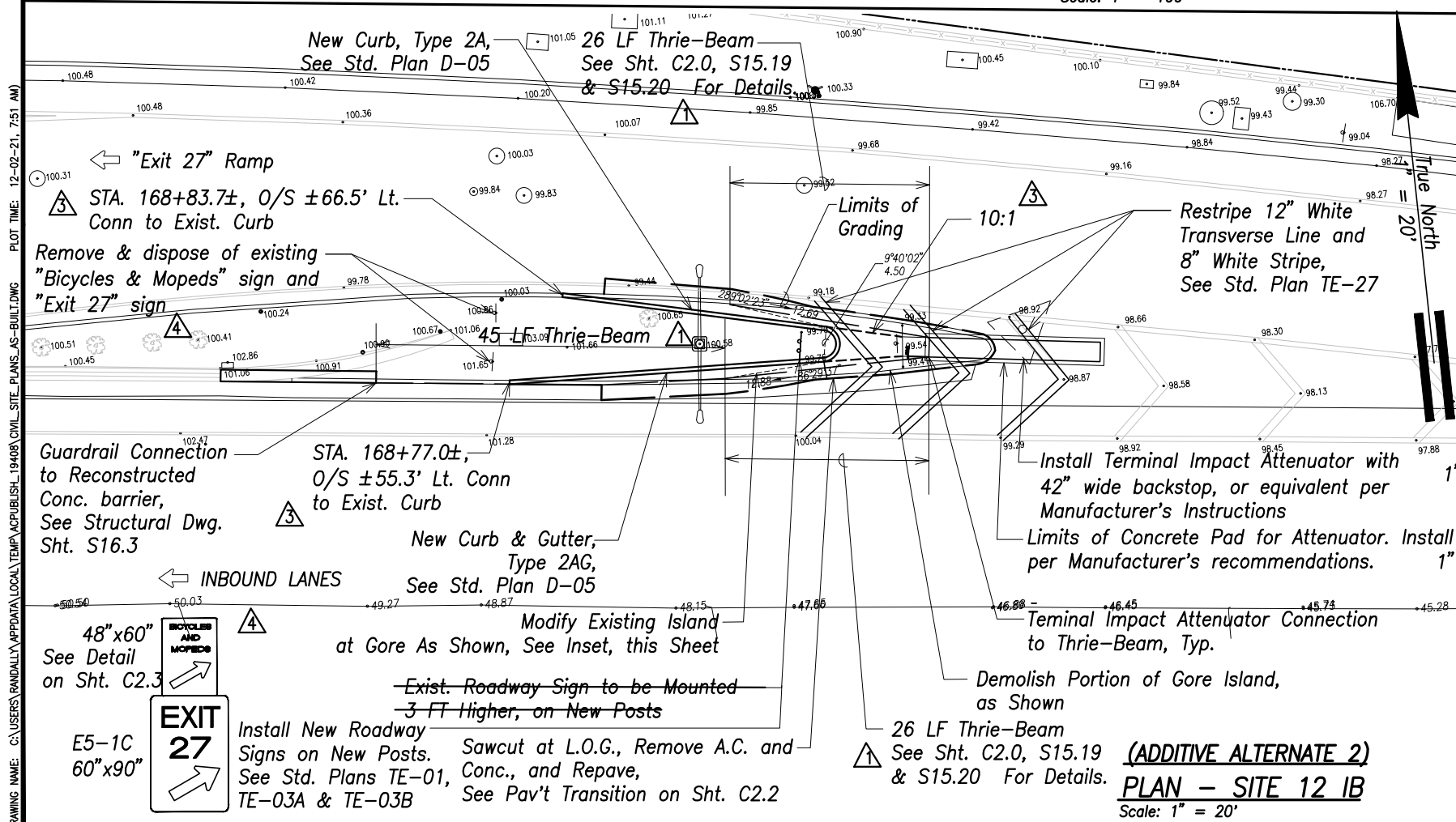


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	163	190

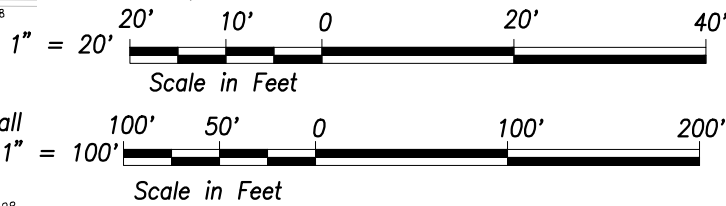


(ADDITIVE ALTERNATE 2)
SITE PLAN - 9
Scale: 1" = 100'



INSET - SITE 12 IB CURB LAYOUT
Scale: 1" = 20'

Graphic Scales:



DATE	REVISION
4/29/21	Added new signs
4/9/21	C.O. - Rev. curb layout
1/17/19	Rev. callouts per ADD. #1



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
APR 30, 2022
SIGNATURE DATE

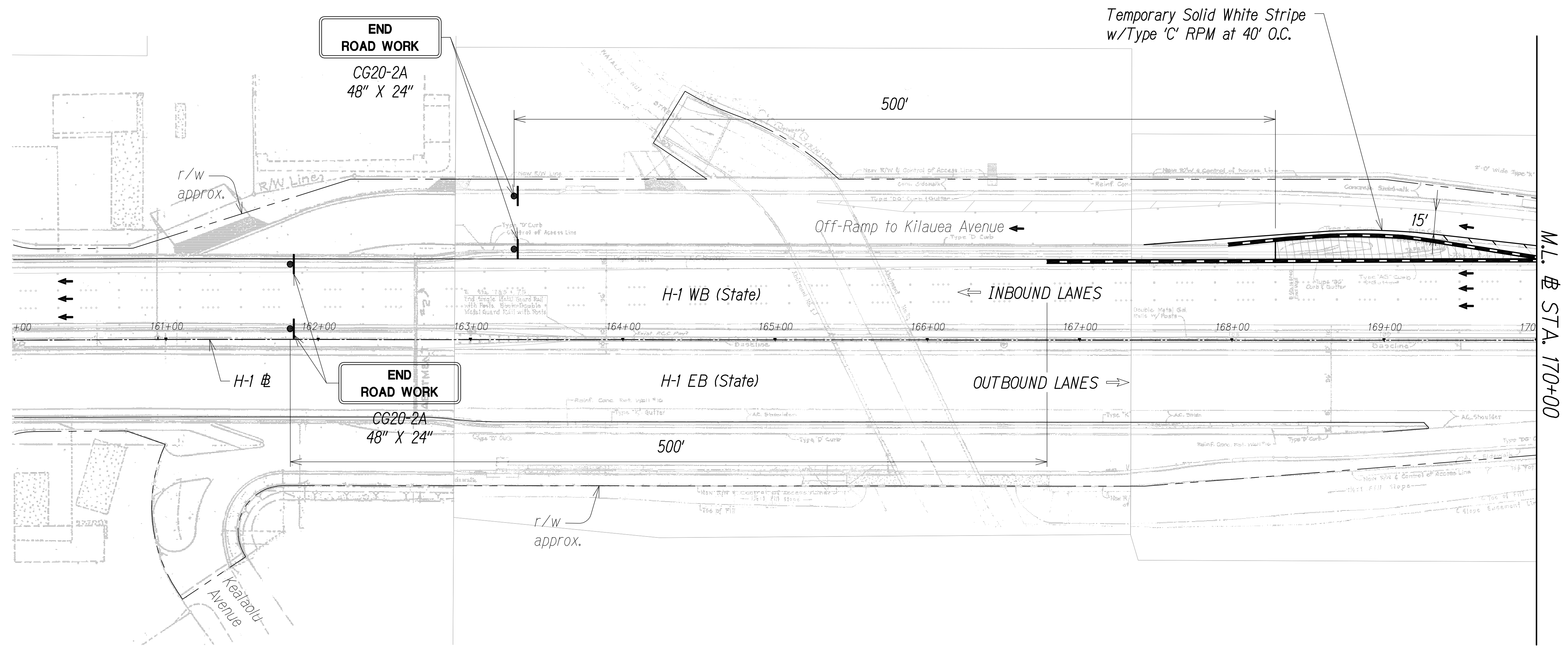
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDITIVE ALTERNATE 2
SITE PLAN - 9

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. C5.0 OF 1 SHEETS

TRUE NORTH
SCALE: 1" = 40'



- NOTES:**
1. Portable concrete barriers shall conform with State Standard Plans TE-42, TE-43, and TE-44.
 2. Inertial barrier system shall conform with NCHRP 350 - Test Level 3.
 3. All striping is temporary and shall be considered incidental to Section - 645 Work Zone Traffic Control.
 4. Install advisory signs according to Section 645 - Work Zone Traffic Control, a minimum of 500' before and after the extents of the traffic control.
 5. Unless otherwise specified, Traffic Control Plan cannot be combined without authorization from the project engineer.

- 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 | | |

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

TRAFFIC CONTROL PLAN - PHASE 11
24-HOUR CLOSURE
(DURATION: 6 WEEKS)
SCALE: 1" = 40'



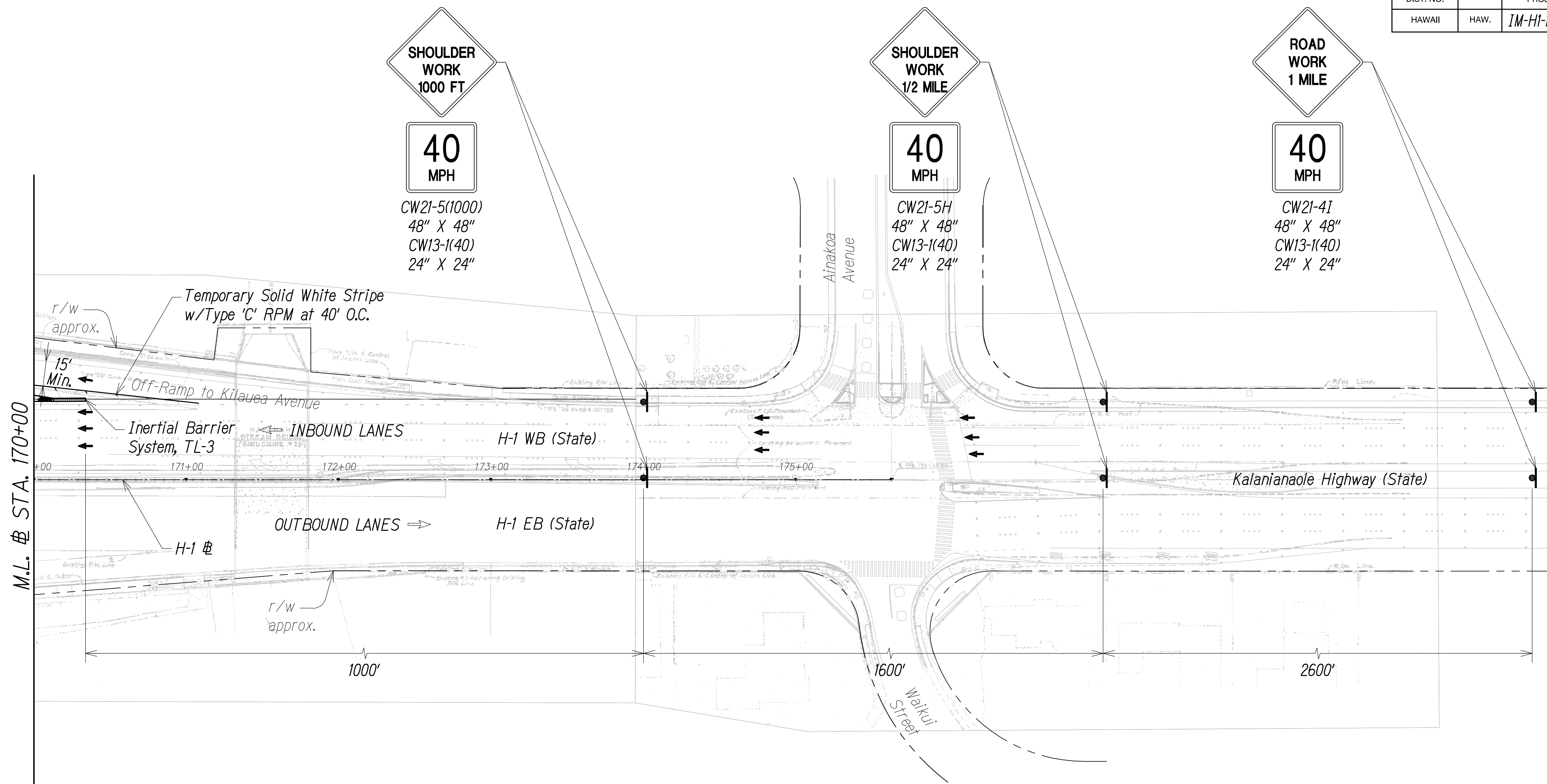
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.
Cathy A. Leong
APRIL 30, 2020
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ADDITIVE ALTERNATE 2
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-57 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	165	190

TRUE NORTH
SCALE: 1" = 40'



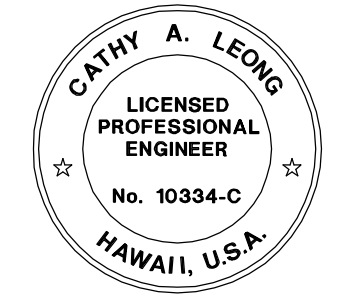
- NOTES:**
1. Portable concrete barriers shall conform with State Standard Plans TE-42, TE-43, and TE-44.
 2. Inertial barrier system shall conform with NCHRP 350 - Test Level 3.
 3. All striping is temporary and shall be considered incidental to Section - 645 Work Zone Traffic Control.
 4. Install advisory signs according to Section 645 - Work Zone Traffic Control, a minimum of 500' before and after the extents of the traffic control.
 5. Unless otherwise specified, Traffic Control Plan cannot be combined without authorization from the project engineer.

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 | | |

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

TRAFFIC CONTROL PLAN - PHASE 11
24-HOUR CLOSURE
(DURATION: 6 WEEKS)
SCALE: 1" = 40'

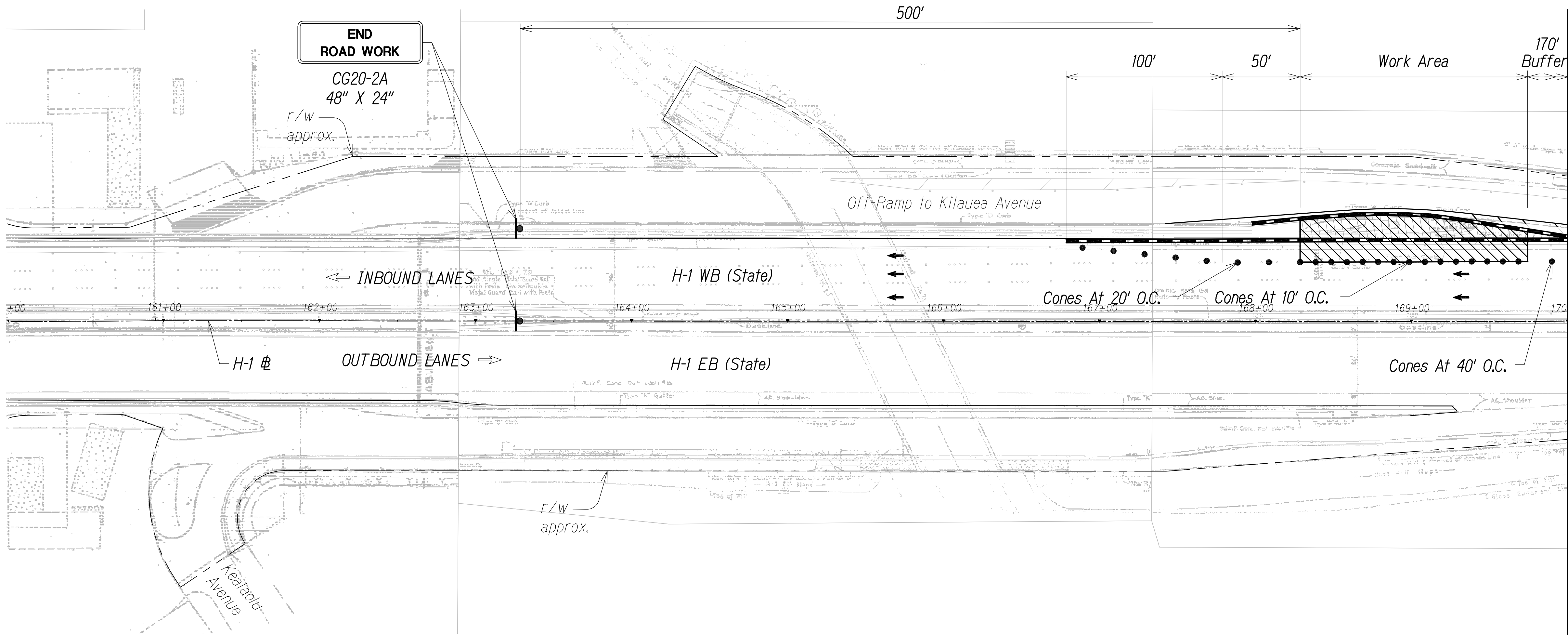


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Cathy A. Leong
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ADDITIVE ALTERNATE 2
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-58 OF 66 SHEETS

"AS-BUILT"

TRUE NORTH
SCALE: 1" = 40'



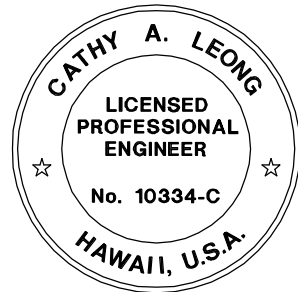
LEGEND

- ⊗ Special Duty Officer w/Vehicle and Blue Light
- Cones or Delineators
- Sign
- Flow of Traffic
- Arrowboard Panel

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

NOTES:

1. Work Hours to Occur Between 8:30 a.m. to 3:00 p.m. (Monday through Friday).
2. Contractor to Remove or Cover Conflicting Signs Used During the 24-hr Shoulder Closure on H-1.
3. Unless otherwise specified, Traffic Control Plan cannot be combined without authorization from the project engineer.



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WILSON OKAMOTO CORPORATION LIC. EXP. DATE

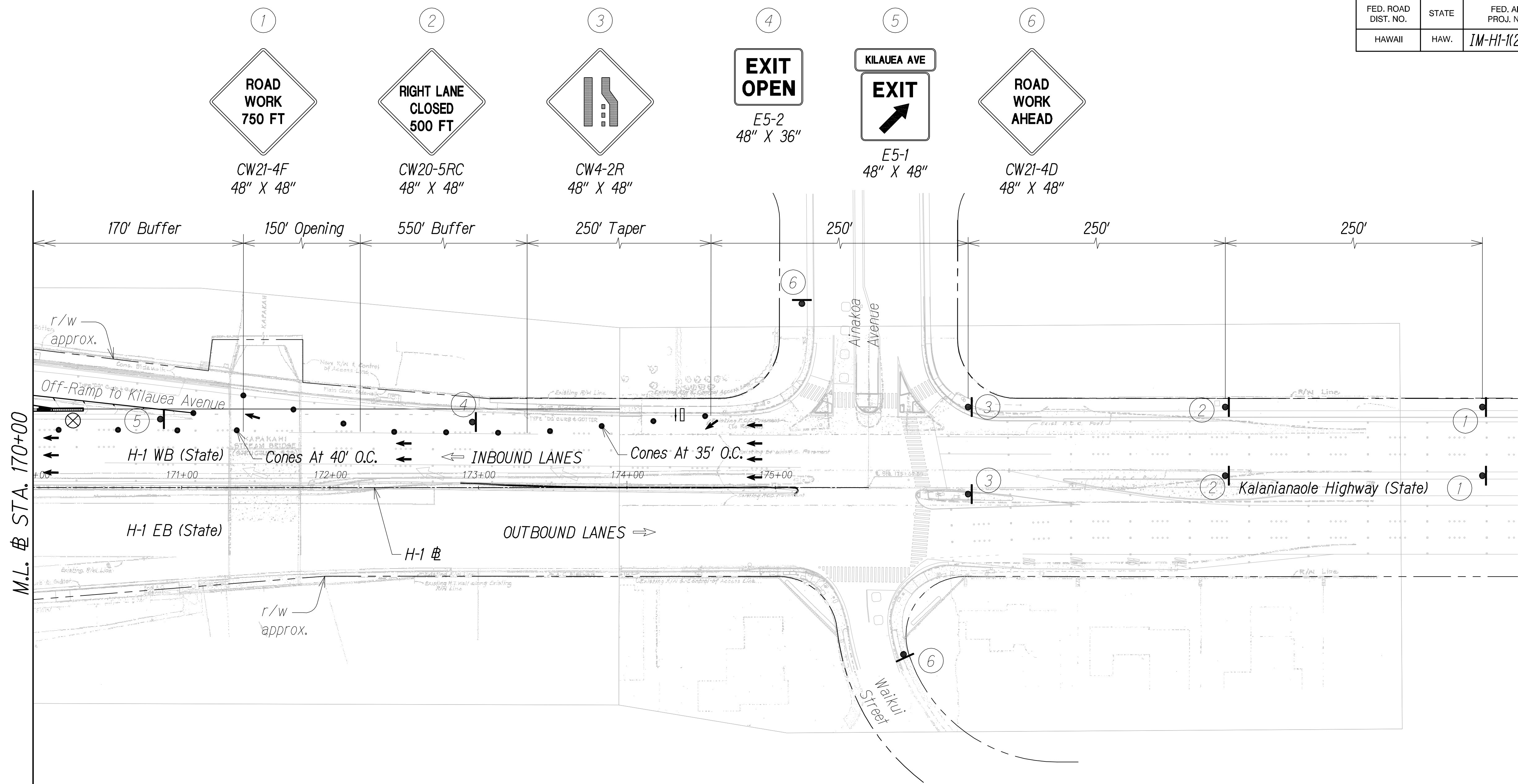
PHASE 11 - KILAUEA AVENUE OFF-RAMP WESTBOUND
TEMPORARY CLOSURE
(DURATION: 2 WEEKS)
SCALE: 1" = 40'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ADDITIVE ALTERNATE 2
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-59 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	167	190

TRUE NORTH
SCALE: 1" = 40'



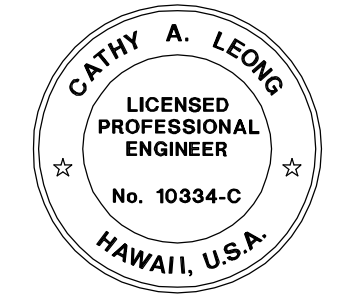
LEGEND

- ⊗ Special Duty Officer w/Vehicle and Blue Light
- Cones or Delineators
- Sign
- Flow of Traffic
- Arrowboard Panel

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

NOTES:

1. Work Hours to Occur Between 8:30 a.m. to 3:00 p.m. (Monday through Friday).
2. Contractor to Remove or Cover Conflicting Signs Used During the 24-hr Shoulder Closure on H-1.
3. Unless otherwise specified, Traffic Control Plan cannot be combined without authorization from the project engineer.



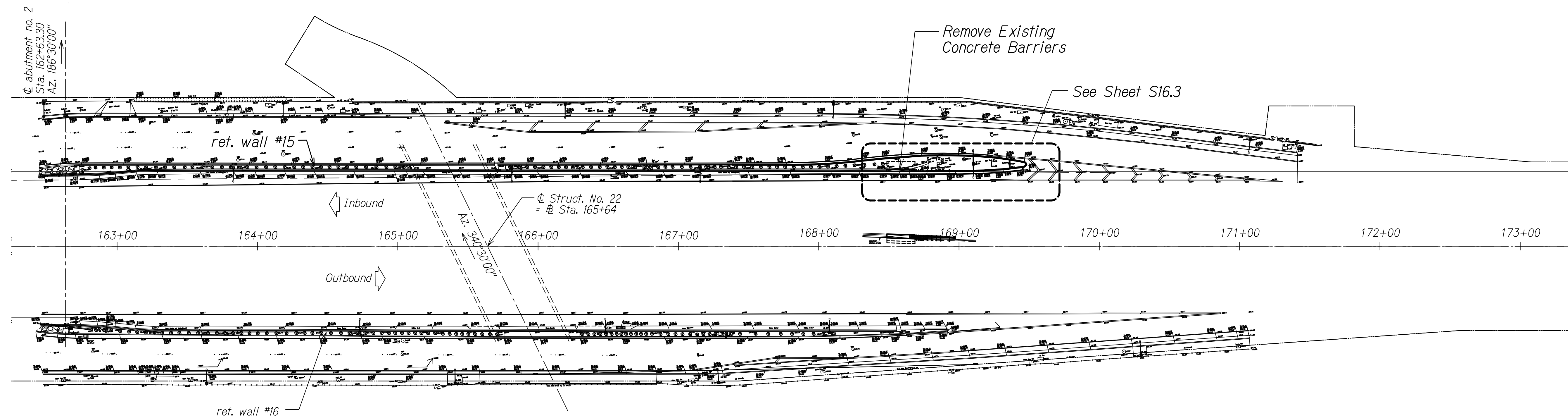
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Cathy A. Leong
WILSON OKAMOTO CORPORATION LIC. EXP. DATE

PHASE 11 - KILAUEA AVENUE OFF-RAMP WESTBOUND
TEMPORARY CLOSURE
(DURATION: 2 WEEKS)
SCALE: 1" = 40'

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ADDITIVE ALTERNATE 2
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-60 OF 66 SHEETS

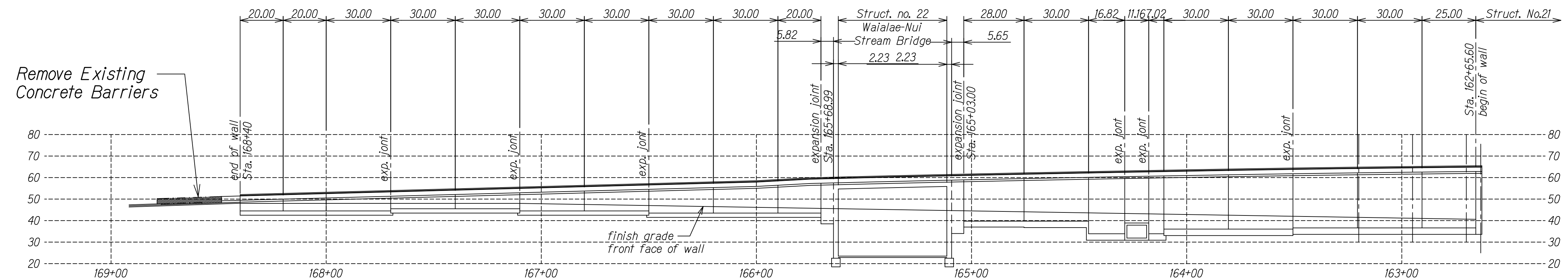
"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	168	190



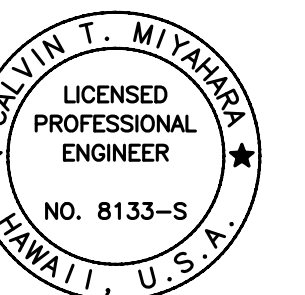
BARRIER AND CURB DEMO PLAN

Scale: 1" = 40'-0"



BARRIER AND CURB DEMO ELEVATION

Scale: 1" = 30'-0"



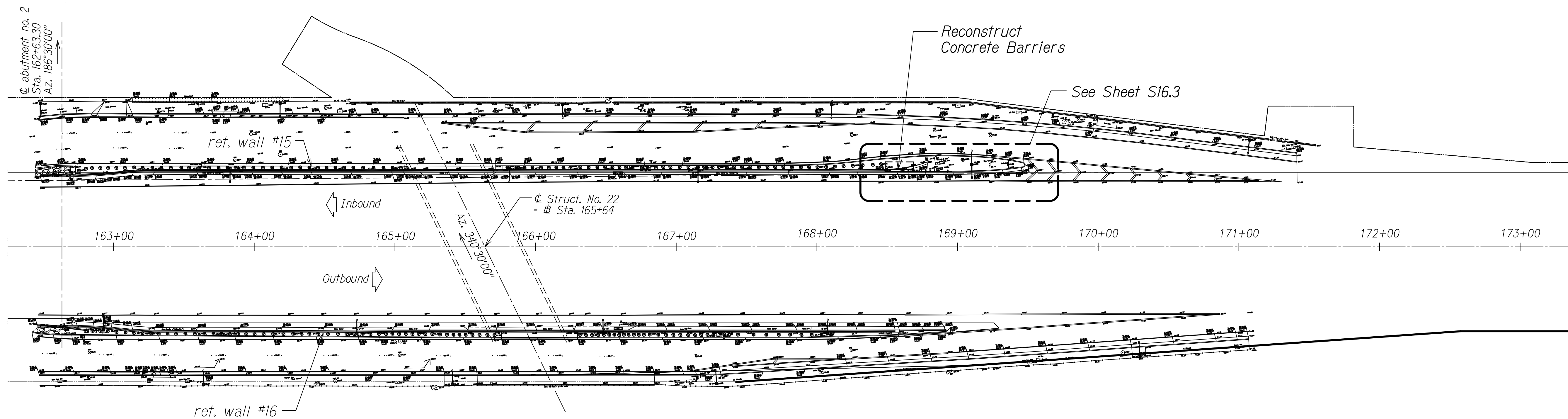
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Calvin Miyahara
KSF, INC. APRIL 30, 2020
LIC. EXP. DATE

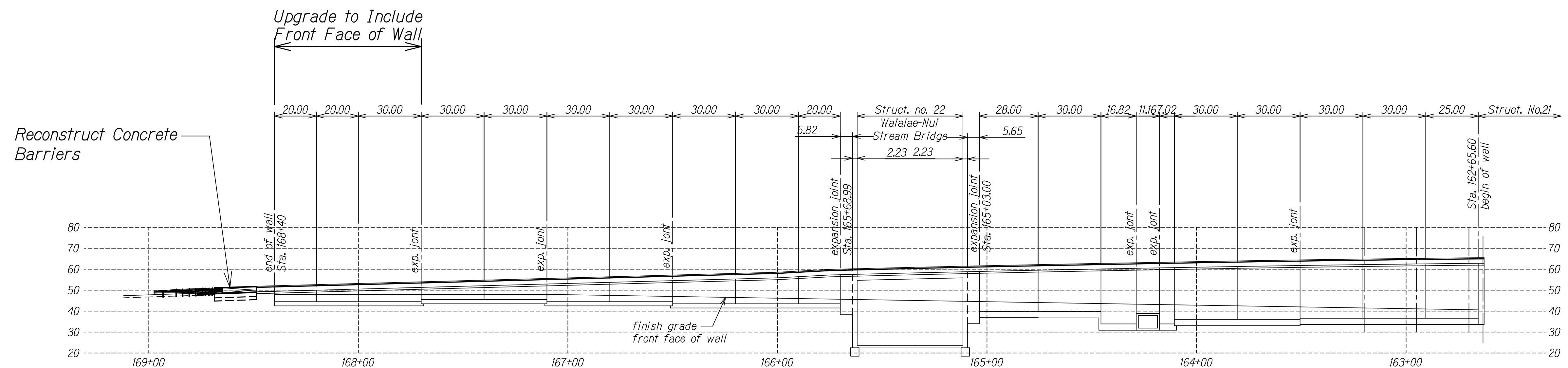
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ADDITIVE ALTERNATE 2
SITE 12 I.B. - UPGRADE END POST
DEMO PLAN AND ELEVATION
INTERSTATE ROUTE H-1
Guardrail and Shoulder Improvements
Kapiolani Interchange to Alakoa Avenue
Federal-Aid Project No. IM-HI-1(244)R
Scale: As Shown Date: July 2018

SHEET No. S16.1 OF 3 SHEETS

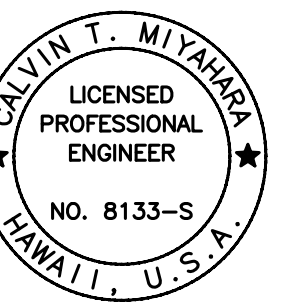
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	169	190



RETAINING WALL #15 PLAN A
 Scale: 1" = 40'-0" S16J S16.2



RETAINING WALL #15 ELEVATION B
 Scale: 1" = 30'-0" S16J S16.2

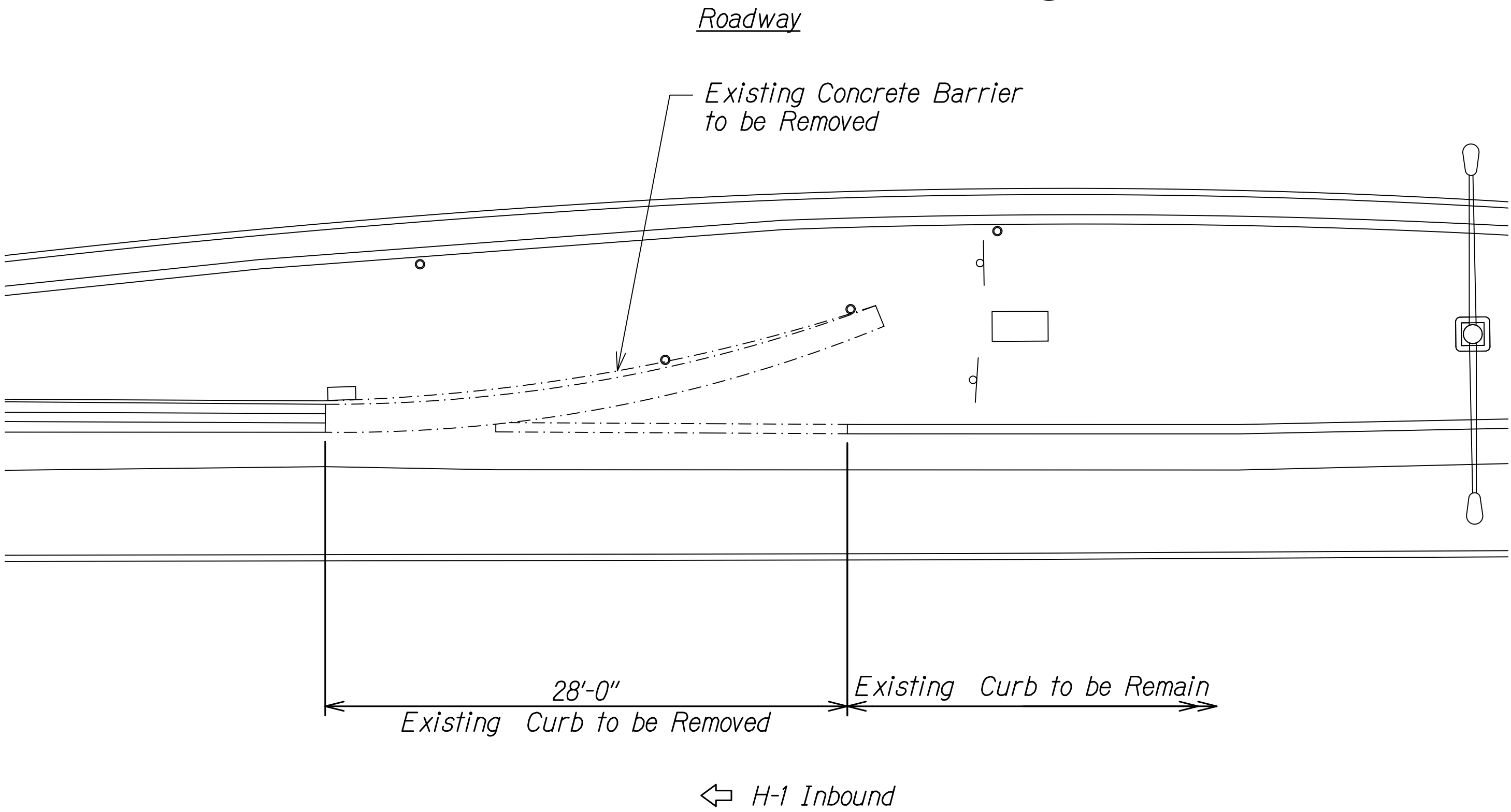


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 KSF, INC. APRIL 30, 2020
 LIC. EXP. DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ADDITIVE ALTERNATE 2
SITE 12 I.B. - UPGRADE END POST
PLAN AND ELEVATION
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. S16.2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	IM-HI-1(244)R	2019	170	190

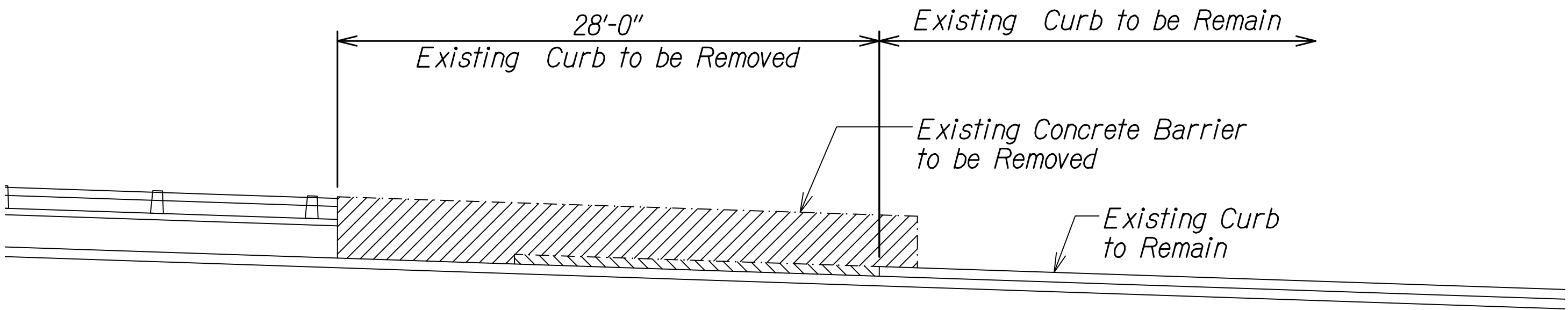


DEMO PLAN

Scale: 3/16" = 1'-0"

A

S16.1 S16.3

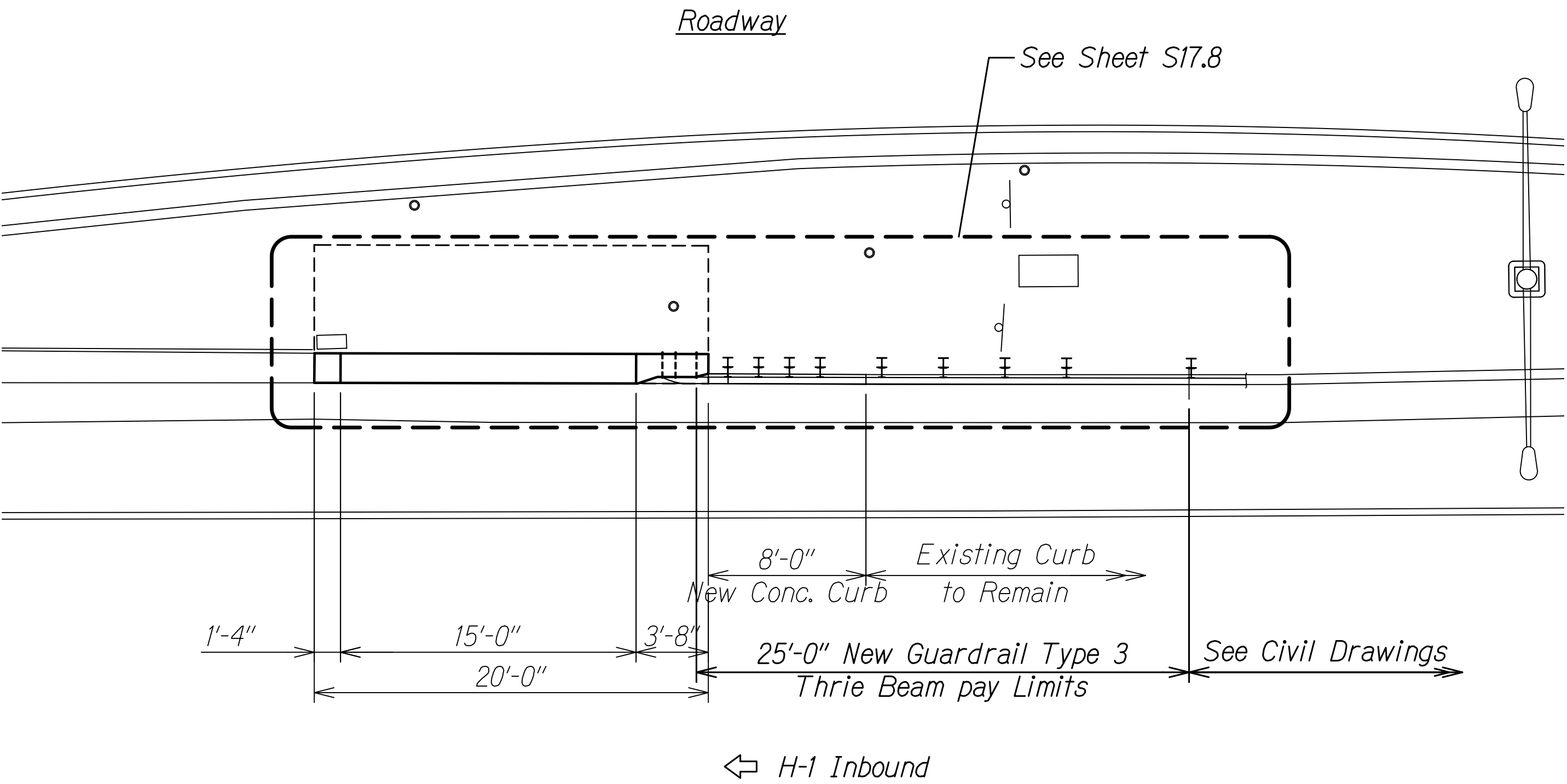


ELEVATION

Scale: 3/16" = 1'-0"

B

S16.1 S16.3

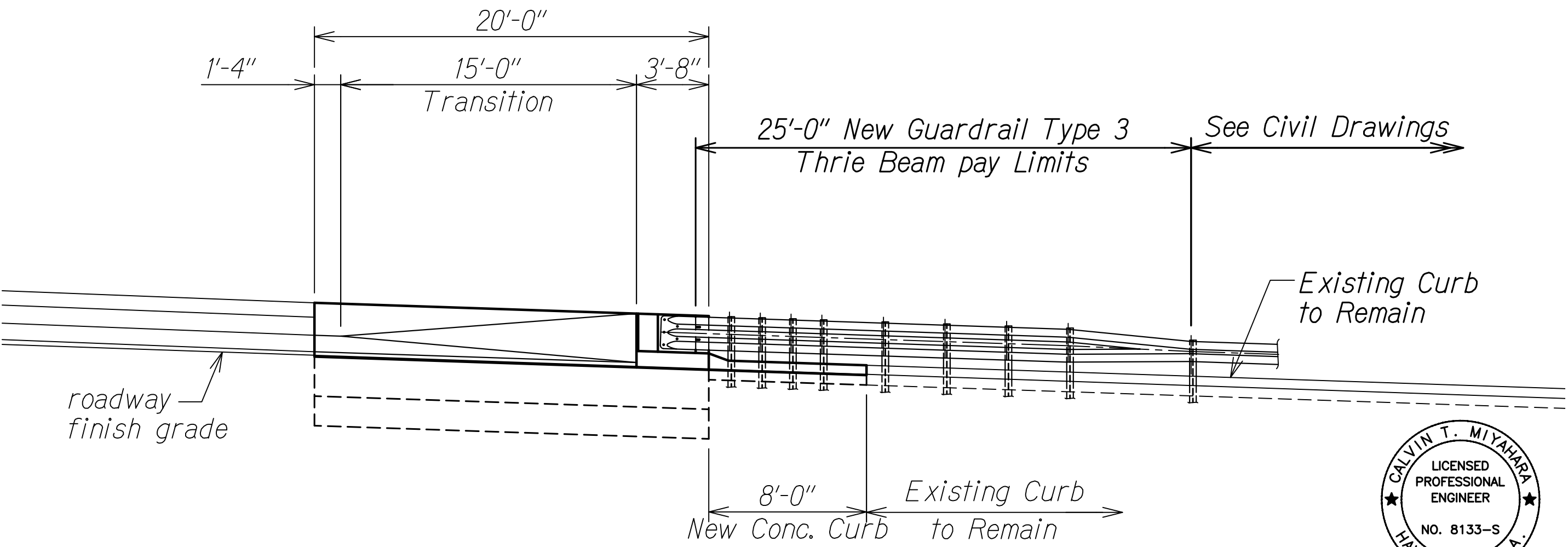


UPGRADE PLAN

Scale: 3/16" = 1'-0"

C

S16.2 S16.3

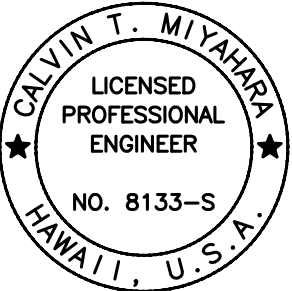


ELEVATION

Scale: 3/16" = 1'-0"

D

S16.2 S16.3



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Calvin Miyahara

KSF, INC. APRIL 30, 2020
LIC. EXP. DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ADDITIVE ALTERNATE 2

SITE 12 I.B. - NEW END POST BARRIER

DEMO AND UPGRADE PLAN AND ELEVATION

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. S16.3 OF 3 SHEETS