

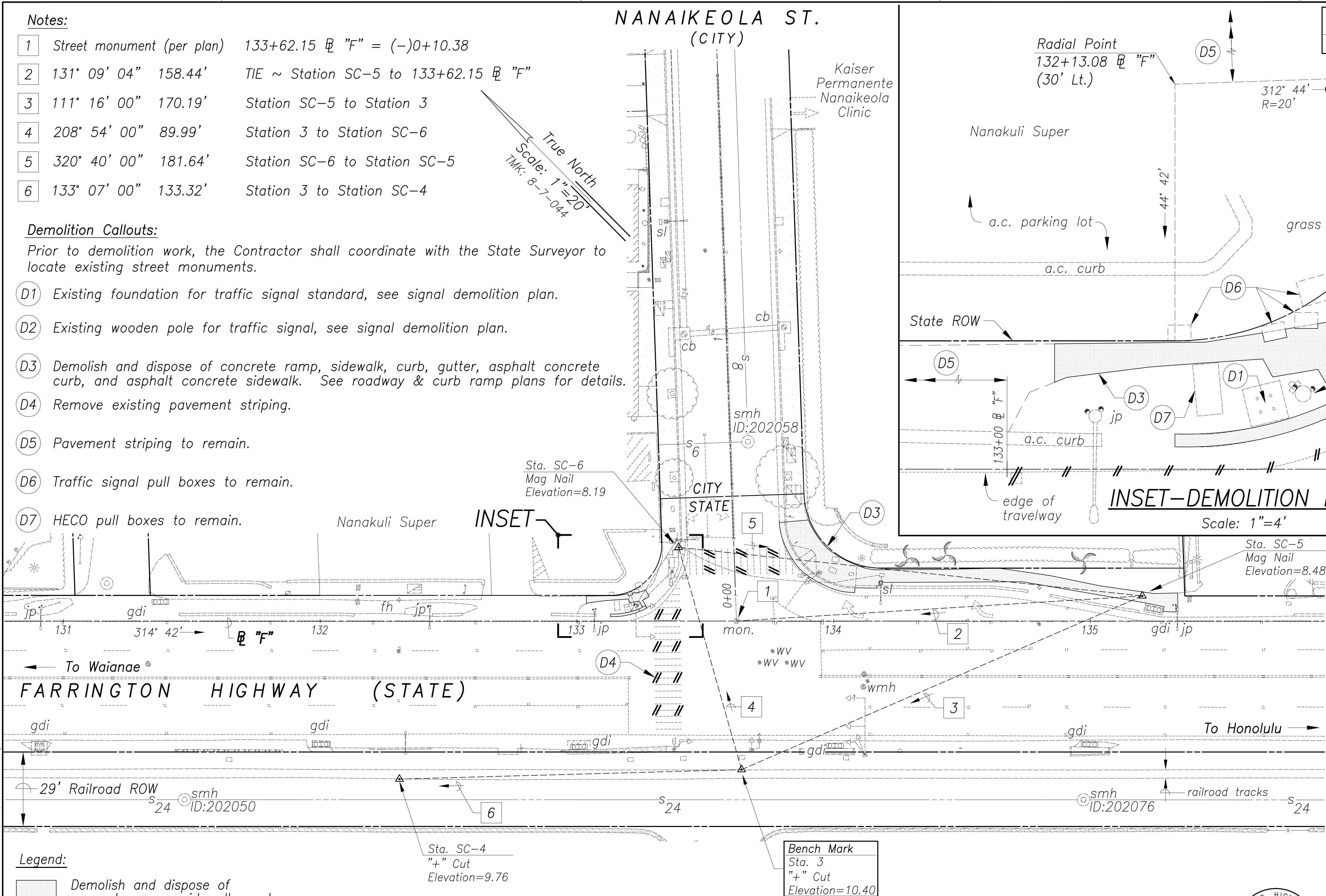
Notes:

- 1 Street monument (per plan) 133+62.15 @ "F" = (-)0+10.38
- 2 131° 09' 04" 158.44' TIE ~ Station SC-5 to 133+62.15 @ "F"
- 3 111° 16' 00" 170.19' Station SC-5 to Station 3
- 4 208° 54' 00" 89.99' Station 3 to Station SC-6
- 5 320° 40' 00" 181.64' Station SC-6 to Station SC-5
- 6 133° 07' 00" 133.32' Station 3 to Station SC-4

Demolition Callouts:

Prior to demolition work, the Contractor shall coordinate with the State Surveyor to locate existing street monuments.

- D1 Existing foundation for traffic signal standard, see signal demolition plan.
- D2 Existing wooden pole for traffic signal, see signal demolition plan.
- D3 Demolish and dispose of concrete ramp, sidewalk, curb, gutter, asphalt concrete curb, and asphalt concrete sidewalk. See roadway & curb ramp plans for details.
- D4 Remove existing pavement striping.
- D5 Pavement striping to remain.
- D6 Traffic signal pull boxes to remain.
- D7 HECO pull boxes to remain.



Legend:

- Demolish and dispose of concrete ramp, sidewalk, curb, gutter, asphalt concrete curb, and asphalt concrete sidewalk.
- Remove existing pavement striping

NANAIKEOLA ST.  
(CITY)

Kaiser  
Permanente  
Nanaikeola  
Clinic

Radial Point  
132+13.08 @ "F"  
(30' Lt.)

Nanakuli Super

a.c. parking lot

grass area

a.c. curb

State ROW

a.c. curb

edge of  
travelway

INSET-DEMOLITION PLAN

Scale: 1"=4'

Sta. SC-6  
Mag Nail  
Elevation=8.19

INSET

Sta. SC-5  
Mag Nail  
Elevation=8.48

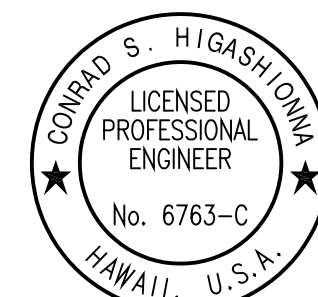
To Waianae  
FARRINGTON HIGHWAY (STATE)

To Honolulu

29' Railroad ROW  
s24 smh  
ID:202050

Sta. SC-4  
"+" Cut  
Elevation=9.76

Bench Mark  
Sta. 3  
"+" Cut  
Elevation=10.40

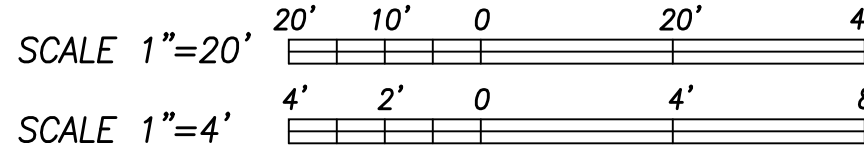


License Expiration Date 04-30-22

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

Conrad Higashimura

GRAPHIC SCALES



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DEMOLITION PLAN**  
Farrington Hwy & Nanaikeola St

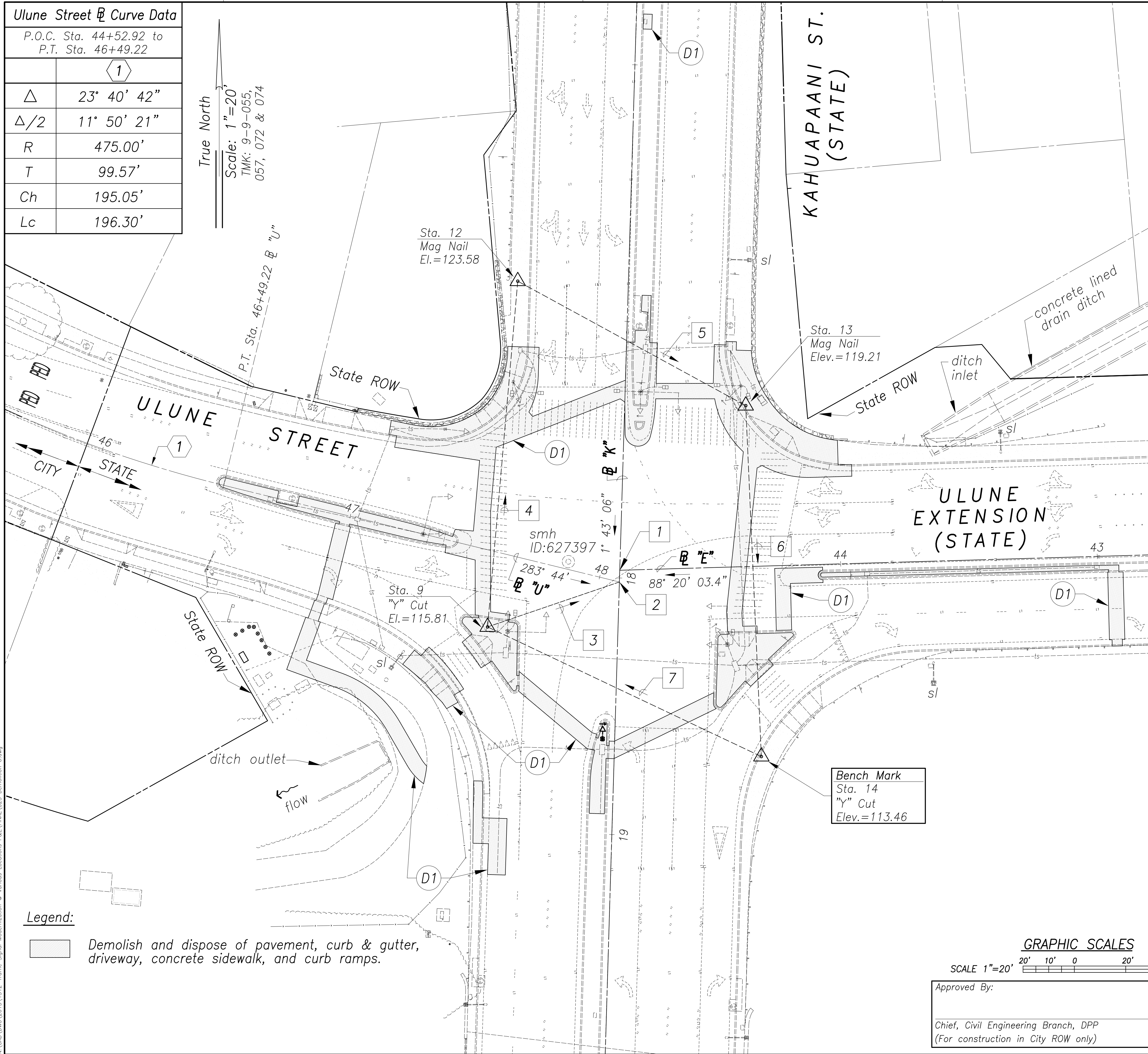
**BASE BID**  
Traffic Signal Modernization, Oahu, Phase 1  
Federal-Aid Project No. STP-0300(163)R  
Scale: As Shown Date: Oct. 2020  
SHEET No. R-1 OF 81 SHEETS



| Ulune Street @ Curve Data                     |             |
|-----------------------------------------------|-------------|
| P.O.C. Sta. 44+52.92 to<br>P.T. Sta. 46+49.22 |             |
|                                               | ①           |
| $\Delta$                                      | 23° 40' 42" |
| $\Delta/2$                                    | 11° 50' 21" |
| R                                             | 475.00'     |
| T                                             | 99.57'      |
| Ch                                            | 195.05'     |
| Lc                                            | 196.30'     |

True North

Scale: 1"=20'  
TMK: 9-9-055,  
057, 072 & 074



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0300(163)R     | 2020        | 23        | 291          |

**Notes:**

- Intersection 17+97 @ "K" = 44+86.09 @ "E"
- Intersection 18+01.56 @ "K" = 48+07.93 @ "U"
- 251° 10' 45.49" 54.25' Tie~Sta. 9 to 18+01.56 @ "K"
- 184° 59' 12" 135.21' Station 9 to Station 12
- 298° 37' 58" 101.18' Station 12 to Station 13
- 357° 27' 13" 136.86' Station 13 to Station 14
- 115° 20' 44" 118.00' Station 14 to Station 9

**Demolition Callouts:**

Prior to demolition work, the Contractor shall coordinate with the State Surveyor to locate existing street monuments. For traffic signal demolition, see signal demolition plans.

- D1 Approximate limits of demolition of concrete sidewalk, ramps, driveway, curb, gutter, and asphalt concrete pavement. See roadway and curb ramp plans for details.

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

New 18, 2020-10-30am  
N:\CAD\DWG\2015\1512-Traffic Signal Modernization @ Various Locations P&E\FINAL\023 Demolition U.dwg

**Legend:**



Demolish and dispose of pavement, curb & gutter, driveway, concrete sidewalk, and curb ramps.

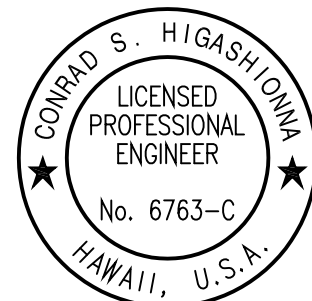
**GRAPHIC SCALES**

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

Approved By:

Chief, Civil Engineering Branch, DPP  
(For construction in City ROW only)

Date



License Expiration Date 04-30-22

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Conrad Higashimura

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DEMOLITION PLAN

Kahupaani St & Ulune St

BASE BID

Traffic Signal Modernization, Oahu, Phase 1

Federal-Aid Project No. STP-0300(163)R

Scale: 1"=20' Date: Oct. 2020

SHEET No. R-2 OF 81 SHEETS



Notes:

- 1 P.O.C. 140+31.57 @ "V" = 0+00.32 @ "Q"
- 2 P.O.C. 140+35.59 @ "V" = 0+00 @ "QE"
- 3 243° 40' 24.32" 54.28' Tie~Sta. SC-64 to 139+43.72 @ "V"
- 4 259° 09' 06" 135.761' Station SC-64 to Station SC-62
- 5 327° 32' 07" 253.66' Station SC-62 to Station SC-60
- 6 81° 15' 17" 128.62' Station SC-60 to Station SC-59
- 7 136° 45' 36" 126.678' Station SC-59 to Station 57
- 8 154° 20' 37" 128.39' Station 57 to Station SC-64

Legend:

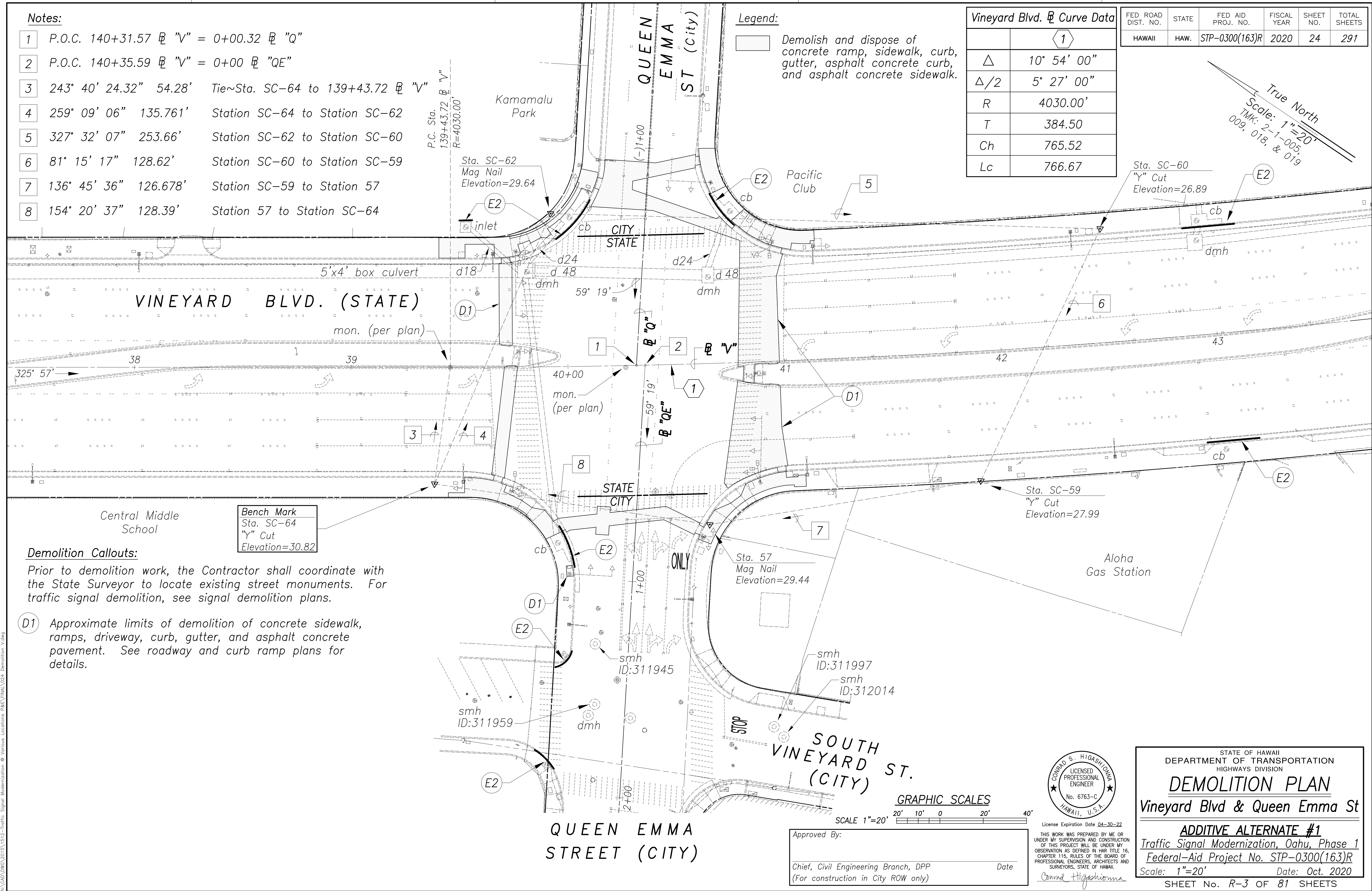
Demolish and dispose of concrete ramp, sidewalk, curb, gutter, asphalt concrete curb, and asphalt concrete sidewalk.

Vineyard Blvd. @ Curve Data

|            | 1           |
|------------|-------------|
| $\Delta$   | 10° 54' 00" |
| $\Delta/2$ | 5° 27' 00"  |
| R          | 4030.00'    |
| T          | 384.50      |
| Ch         | 765.52      |
| Lc         | 766.67      |

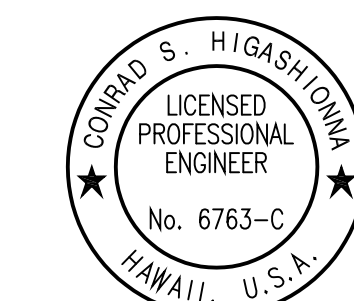
| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0300(163)R     | 2020        | 24        | 291          |

True North  
Scale: 1"=20'  
TMK: 2-1-005, 009, 018, & 019



| DATE | SURVEY PLOTTED BY |
|------|-------------------|
|      |                   |
| DATE | DRAWN BY          |
|      |                   |
| DATE | DESIGNED BY       |
|      |                   |
| DATE | CHECKED BY        |
|      |                   |

New 18, 2020-03-08  
N:\CADD\DWG\2015\1512-Traffic Signal Modernization @ Various Locations P&E\FINAL\024 Demolition V.dwg



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DEMOLITION PLAN**

Vineyard Blvd & Queen Emma St

**ADDITIVE ALTERNATE #1**

Traffic Signal Modernization, Oahu, Phase 1

Federal-Aid Project No. STP-0300(163)R

Scale: 1"=20' Date: Oct. 2020

SHEET No. R-3 OF 81 SHEETS



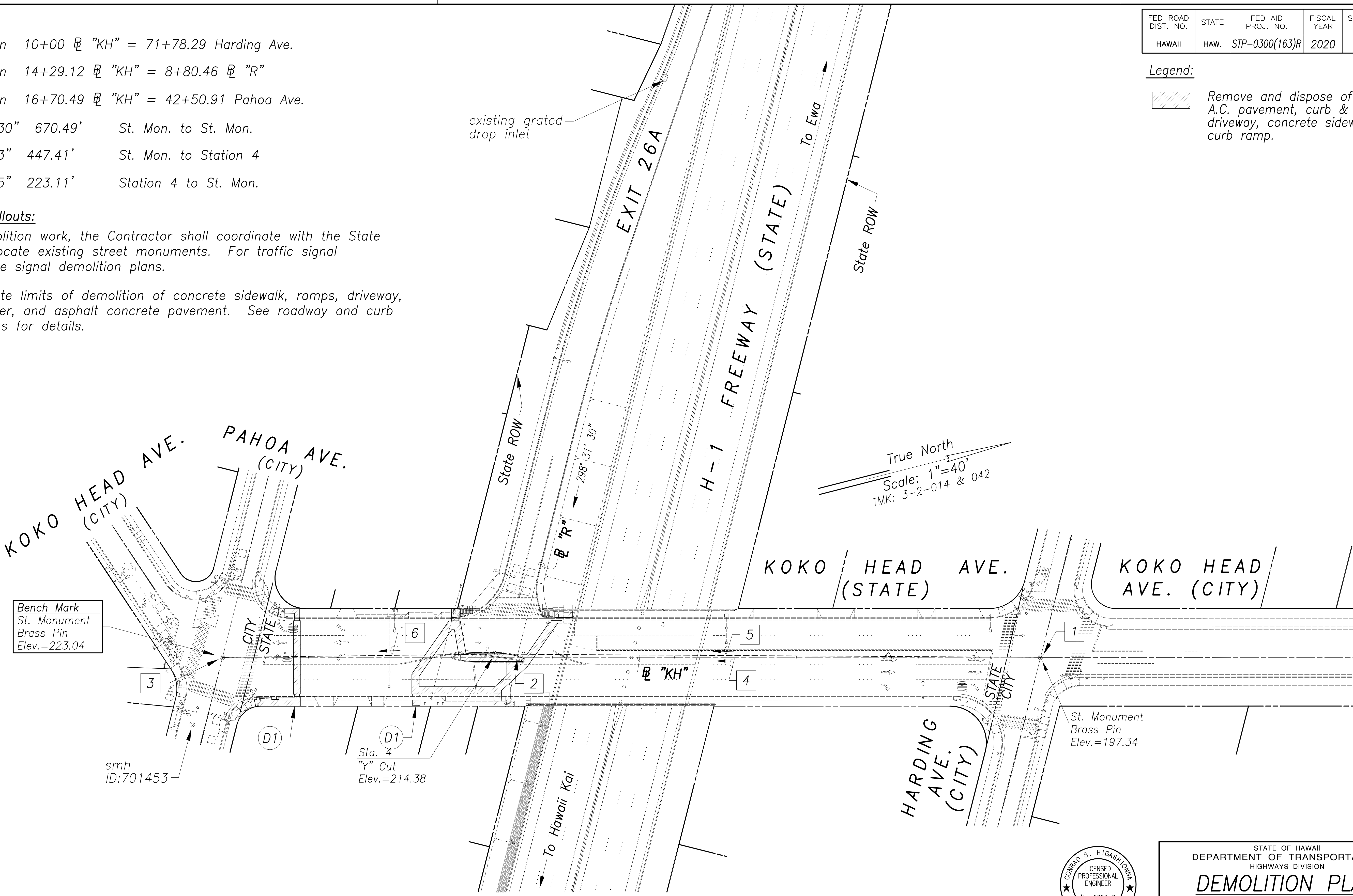
Notes:

- 1
- Intersection 10+00 @ "KH" = 71+78.29 Harding Ave.
- 2
- Intersection 14+29.12 @ "KH" = 8+80.46 @ "R"
- 3
- Intersection 16+70.49 @ "KH" = 42+50.91 Pahoa Ave.
- 4
- 149° 19' 30" 670.49' St. Mon. to St. Mon.
- 5
- 14° 40' 03" 447.41' St. Mon. to Station 4
- 6
- 13° 38' 25" 223.11' Station 4 to St. Mon.

Demolition Callouts:

Prior to demolition work, the Contractor shall coordinate with the State Surveyor to locate existing street monuments. For traffic signal demolition, see signal demolition plans.

- D1
- Approximate limits of demolition of concrete sidewalk, ramps, driveway, curb, gutter, and asphalt concrete pavement. See roadway and curb ramp plans for details.



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0300(163)R     | 2020        | 25        | 291          |

Legend:

- 
- Remove and dispose of existing A.C. pavement, curb & gutter, driveway, concrete sidewalk, and curb ramp.

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |

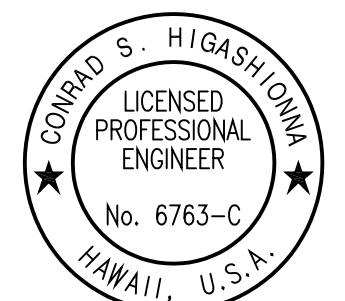
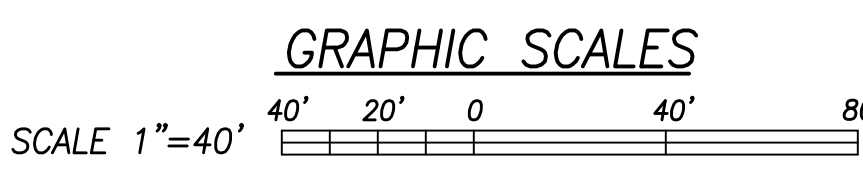
ORIGINAL PLAN

NOTE BOOK

No.

New 18, 2020-10-30m  
N:\CAO\DWG\2015\1512-Traffic Signal Modernization @ Various Locations P&E\FINAL\025 Demolition H.dwg

True North  
Scale: 1"=40'  
TMK: 3-2-014 & 042



License Expiration Date 04-30-22  
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Conrad Higashimura

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

DEMOLITION PLAN

H-1 Exit 26A & Koko Head Ave

ADDITIVE ALTERNATE #3

Traffic Signal Modernization, Oahu, Phase 1

Federal-Aid Project No. STP-0300(163)R

Scale: 1"=40' Date: Oct. 2020

SHEET No. R-4 OF 81 SHEETS



Notes:

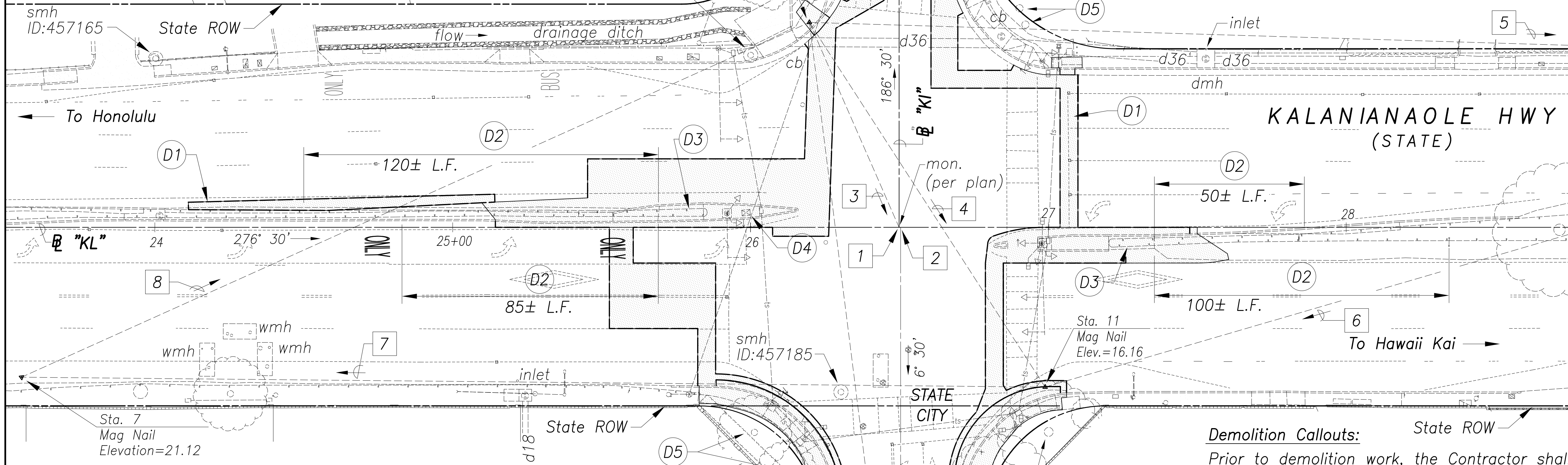
- Intersection 26+49.88 @ "KL" = 0+00 @ "KI"
- Intersection 26+50.40 @ "KL" = 0+00 @ "KI"
- 342° 52' 44" 75.16' Tie~Station 4 to 26+49.88 @ "KL"
- 333° 38' 30.1" 145.88' Station 4 to Station 11
- 278° 13' 34.5" 452.66' Station 4 to Station 15

Bench Mark  
Sta. 4  
"Y" Cut  
Elevation=18.32

Notes:

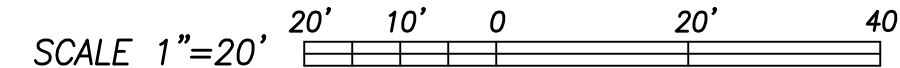
- 80° 14' 11" 388.87' Station 15 to Station 11
- 97° 03' 14" 343.68' Station 11 to Station 7
- 252° 14' 19" 290.14' Station 7 to Station 4
- 359° 18' 31" 240.54' Station 4 to Street Monument
- 340° 15' 50" 41.57' St. Monument to St. Monument

| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0300(163)R     | 2020        | 26        | 291          |



Match Line  
Sta. 28+75  
See Below.

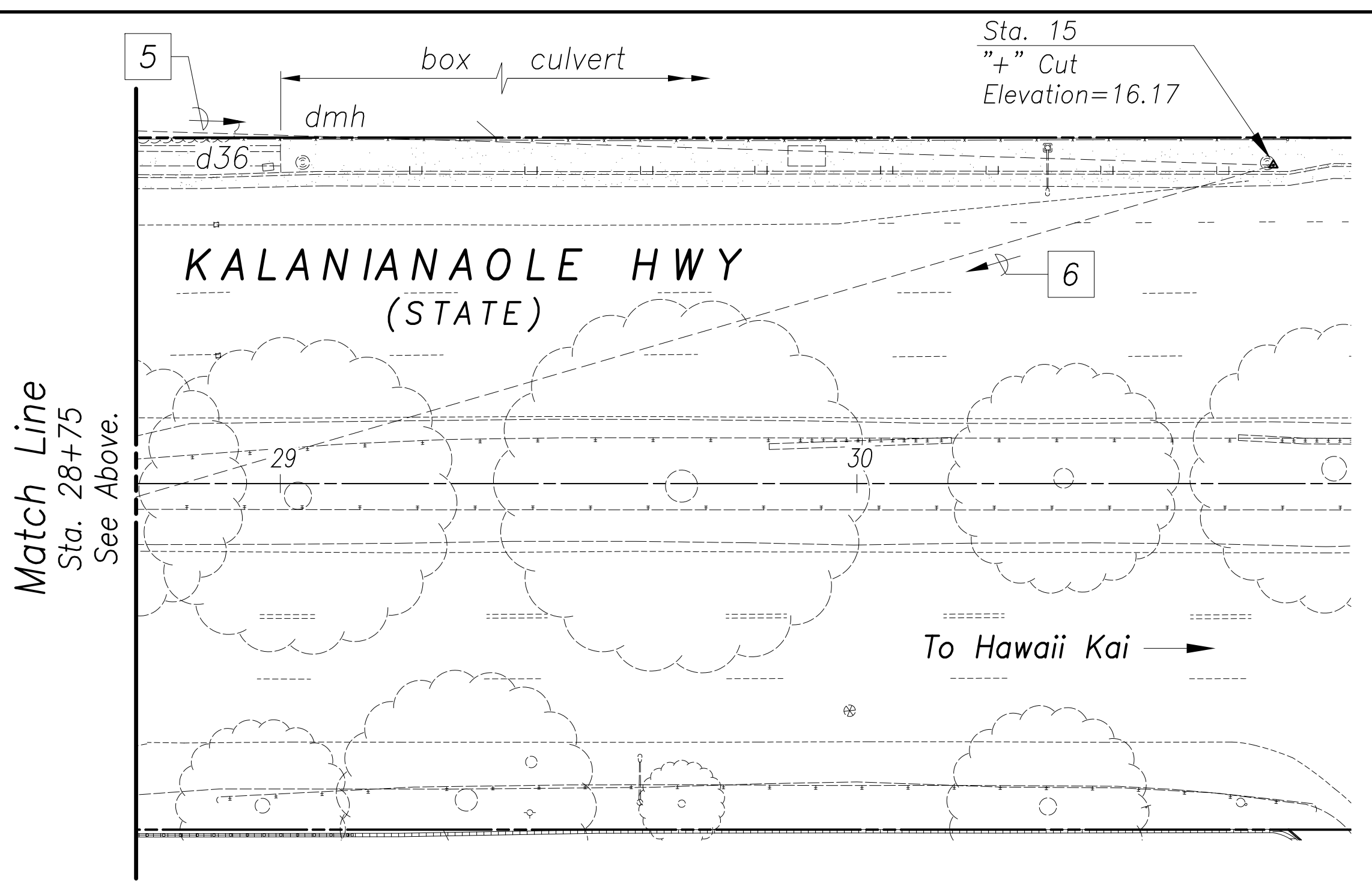
GRAPHIC SCALES



Demolition Callouts:

Prior to demolition work, the Contractor shall coordinate with the State Surveyor to locate existing street monuments. For traffic signal demolition, see signal demolition plans.

- D1 Approximate limits of demolition of concrete sidewalk, ramps, driveway, curb, gutter, and asphalt concrete/P.C.C. pavement. See roadway and curb ramp plans for details.
- D2 Remove and salvage of guardrail and post. The Contractor shall not remove guardrail until an appropriate replacement has been installed and approved by the Engineer. See roadway and traffic control plans for details.
- D3 Remove and salvage terminal impact attenuator. The Contractor shall not remove attenuator until an appropriate replacement has been installed and approved by the Engineer. See roadway and traffic control plans for details.
- D4 See water relocation plan for relocation of water meter and valves.
- D5 The Contractor shall establish tree protection zones to protect trees from damage due to construction work.



Legend:

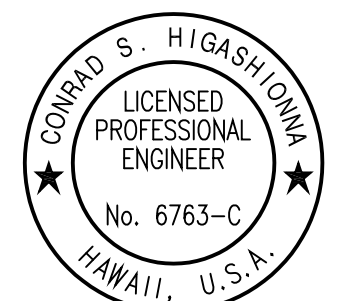
Remove and dispose of existing A.C. pavement, curb & gutter, driveway, concrete sidewalk, and curb ramp.

Approved By:

Chief, Civil Engineering Branch, DPP  
(For construction in City ROW only)

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

New 18, 2020-Edison  
N:\CAO\DWG\2015\1512-Traffic Signal Modernization @ Various Locations P&E\FINAL\026 Demolition K.dwg



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Conrad Higashimura

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DEMOLITION PLAN**

**Kalaniana'ole Hwy & Kalaniiki St**

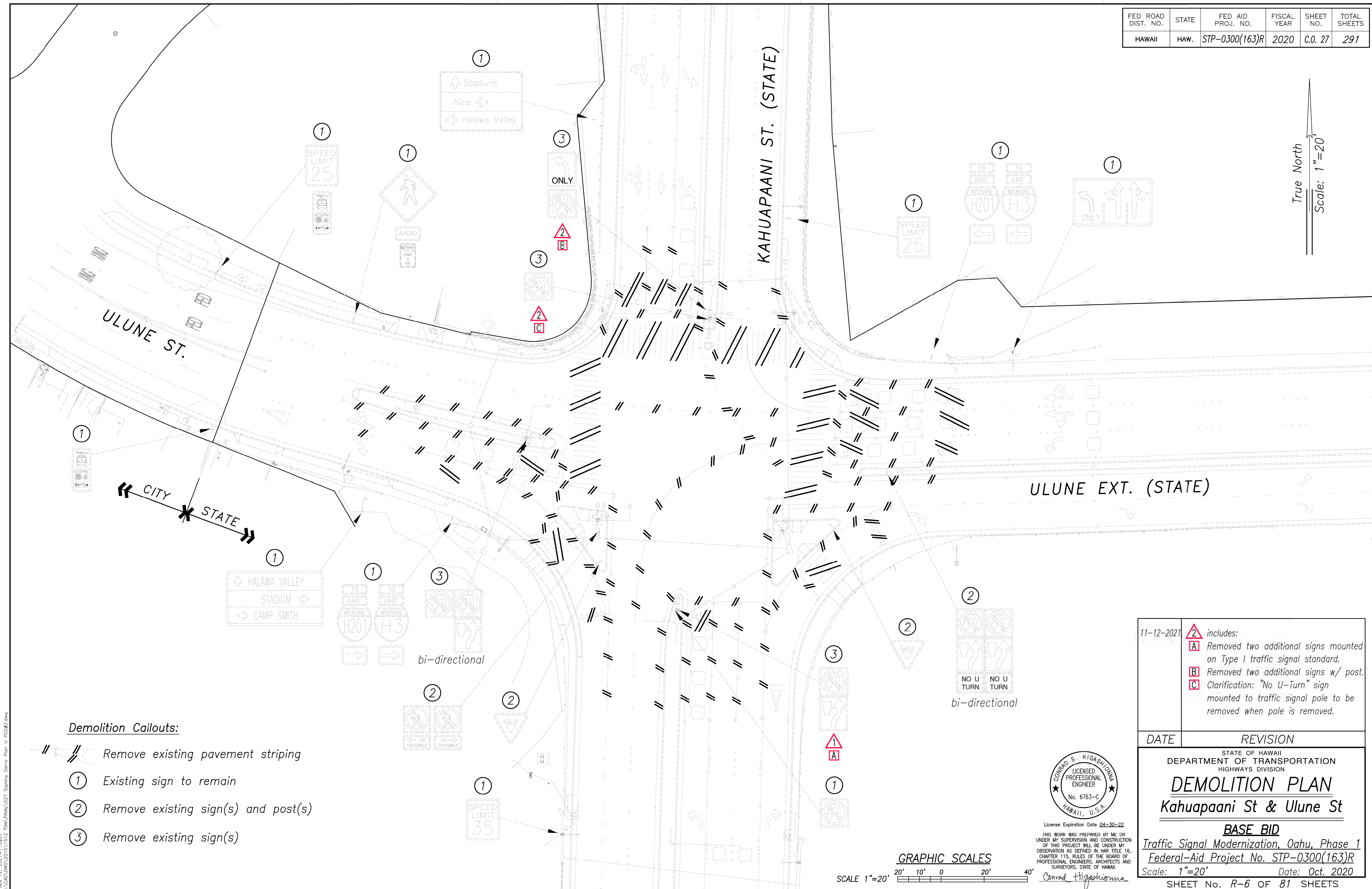
**ADDITIVE ALTERNATE #2**

Traffic Signal Modernization, Oahu, Phase 1  
Federal-Aid Project No. STP-0300(163)R  
Scale: 1"=20' Date: Oct. 2020  
SHEET No. R-5 OF 81 SHEETS



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0300(163)R     | 2020        | C.O. 27   | 291          |

True North  
Scale: 1"=20'

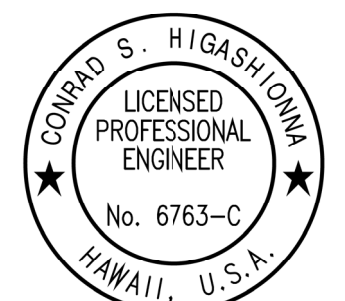


**Demolition Callouts:**

- Remove existing pavement striping
- Existing sign to remain
- Remove existing sign(s) and post(s)
- Remove existing sign(s)

|            |                                                                                                                                                                                                                                     |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11-12-2021 | includes:<br>Removed two additional signs mounted on Type I traffic signal standard.<br>Removed two additional signs w/ post.<br>Clarification: "No U-Turn" sign mounted to traffic signal pole to be removed when pole is removed. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

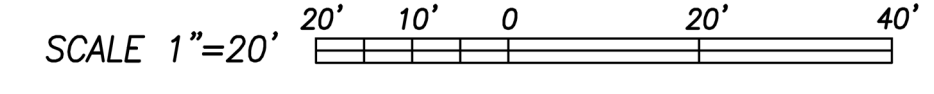
| DATE | REVISION                                                                                                                                                                                                                                                                                                                      |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|      | STATE OF HAWAII<br>DEPARTMENT OF TRANSPORTATION<br>HIGHWAYS DIVISION<br><b>DEMOLITION PLAN</b><br><b>Kahupaani St &amp; Ulune St</b><br><b>BASE BID</b><br><b>Traffic Signal Modernization, Oahu, Phase 1</b><br><b>Federal-Aid Project No. STP-0300(163)R</b><br>Scale: 1"=20' Date: Oct. 2020<br>SHEET No. R-6 OF 81 SHEETS |



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Conrad Higashimura

**GRAPHIC SCALES**



|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| NO.               |      |

Nov 12, 2021 - 2:18pm  
N:\CAO\DWG\2015\1512 TSM\FINAL\027 Signing Demo Plan U PCD2.dwg

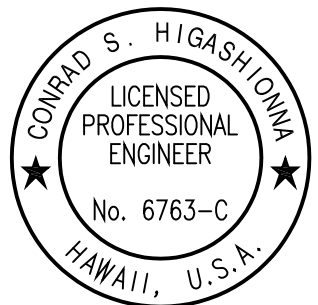
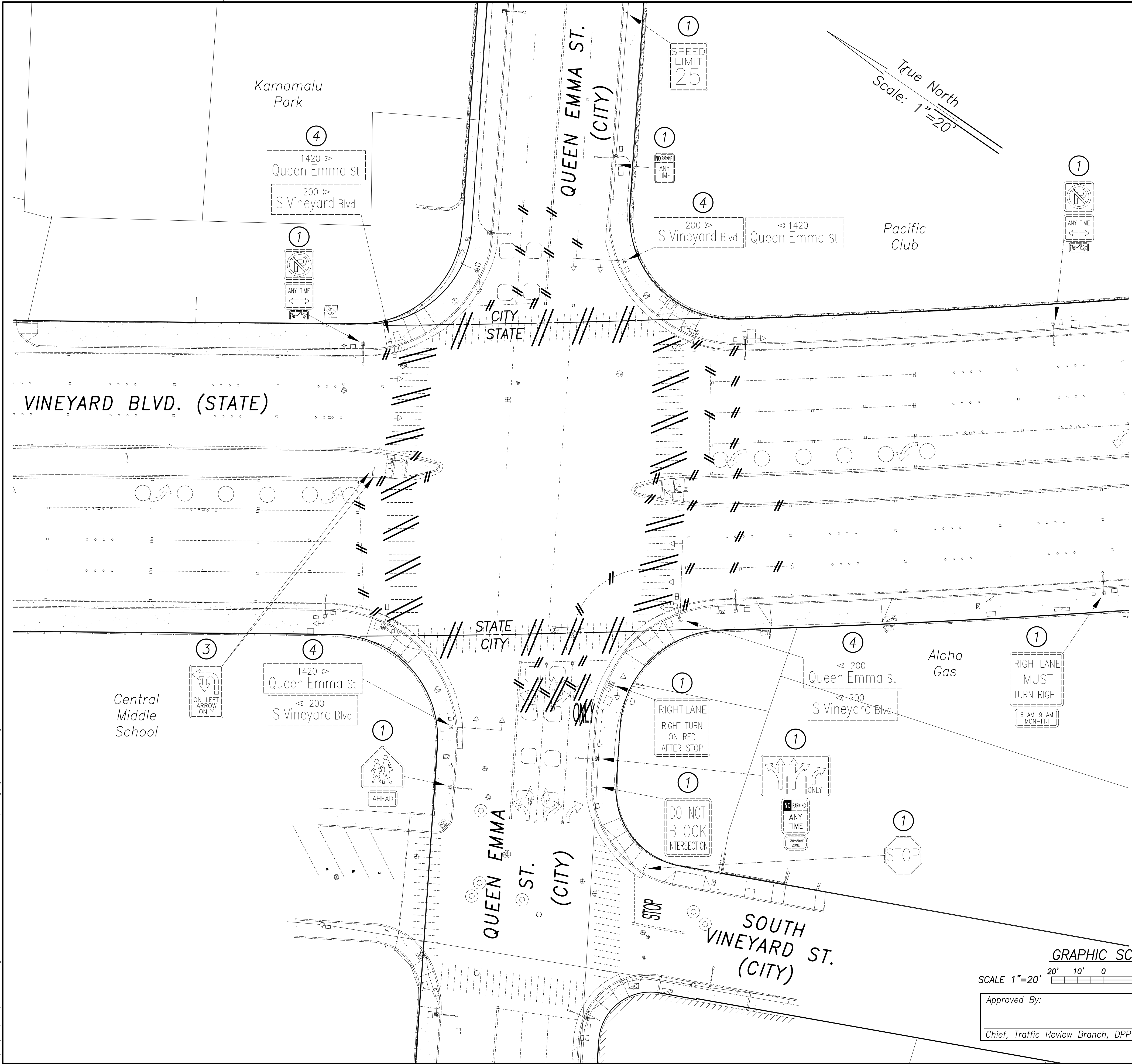


| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0300(163)R     | 2020        | 28        | 291          |

Demolition Callouts:

--//-- Remove existing pavement striping

- ① Existing sign(s) to remain
- ② Remove existing sign(s) and post(s)
- ③ Remove existing sign(s)
- ④ Relocate existing street name sign(s), see sheet 91.



License Expiration Date: 04-30-22

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Conrad Higashimura

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DEMOLITION PLAN**

**Vineyard Blvd & Queen Emma St**

**ADDITIVE ALTERNATE #1**

**Traffic Signal Modernization, Oahu, Phase 1**

**Federal-Aid Project No. STP-0300(163)R**

Scale: 1"=20' Date: Oct. 2020

SHEET No. R-7 OF 81 SHEETS

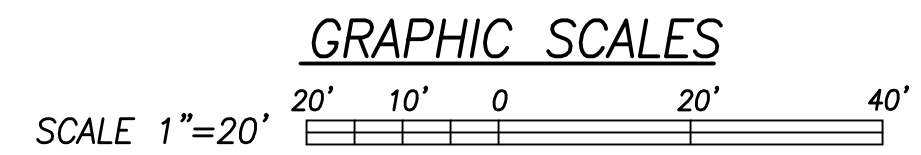
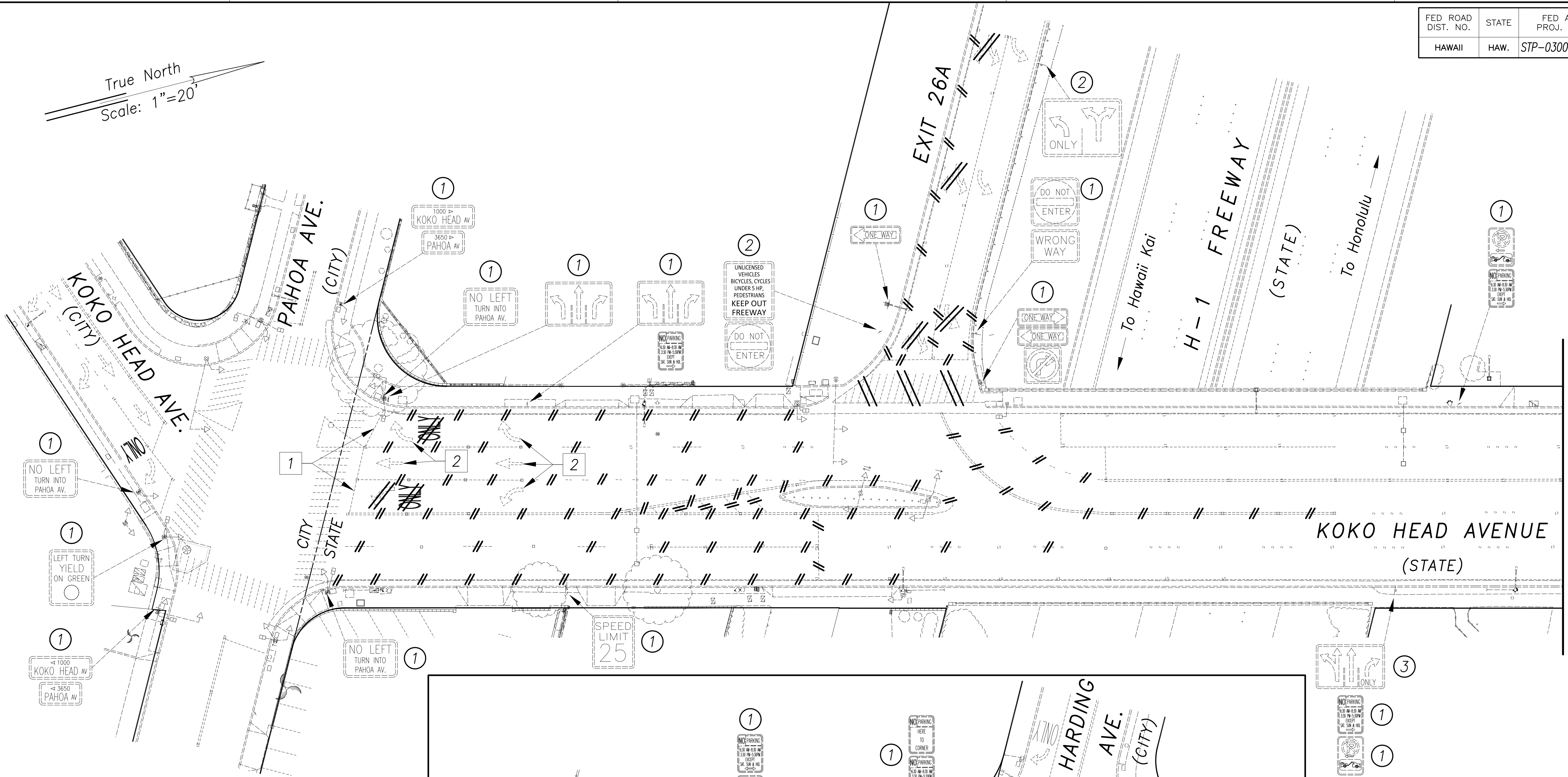
|               |                   |      |
|---------------|-------------------|------|
| ORIGINAL PLAN | SURVEY PLOTTED BY | DATE |
| NOTE BOOK     | DRAWN BY          |      |
| DESIGNED BY   |                   |      |
| CHECKED BY    |                   |      |
| No.           |             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

New 18, 2020-Edison  
N:\CAO\DWG\2015\1512-Traffic Signal Modernization @ Various Locations P&E\FINAL\028 Signing Demo Plan V.dwg



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0300(163)R     | 2020        | 29        | 291          |

True North  
Scale: 1"=20'



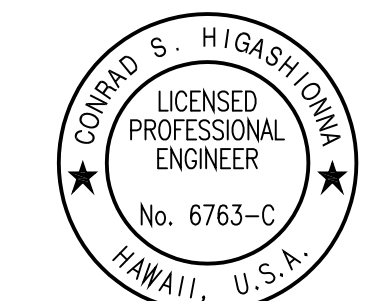
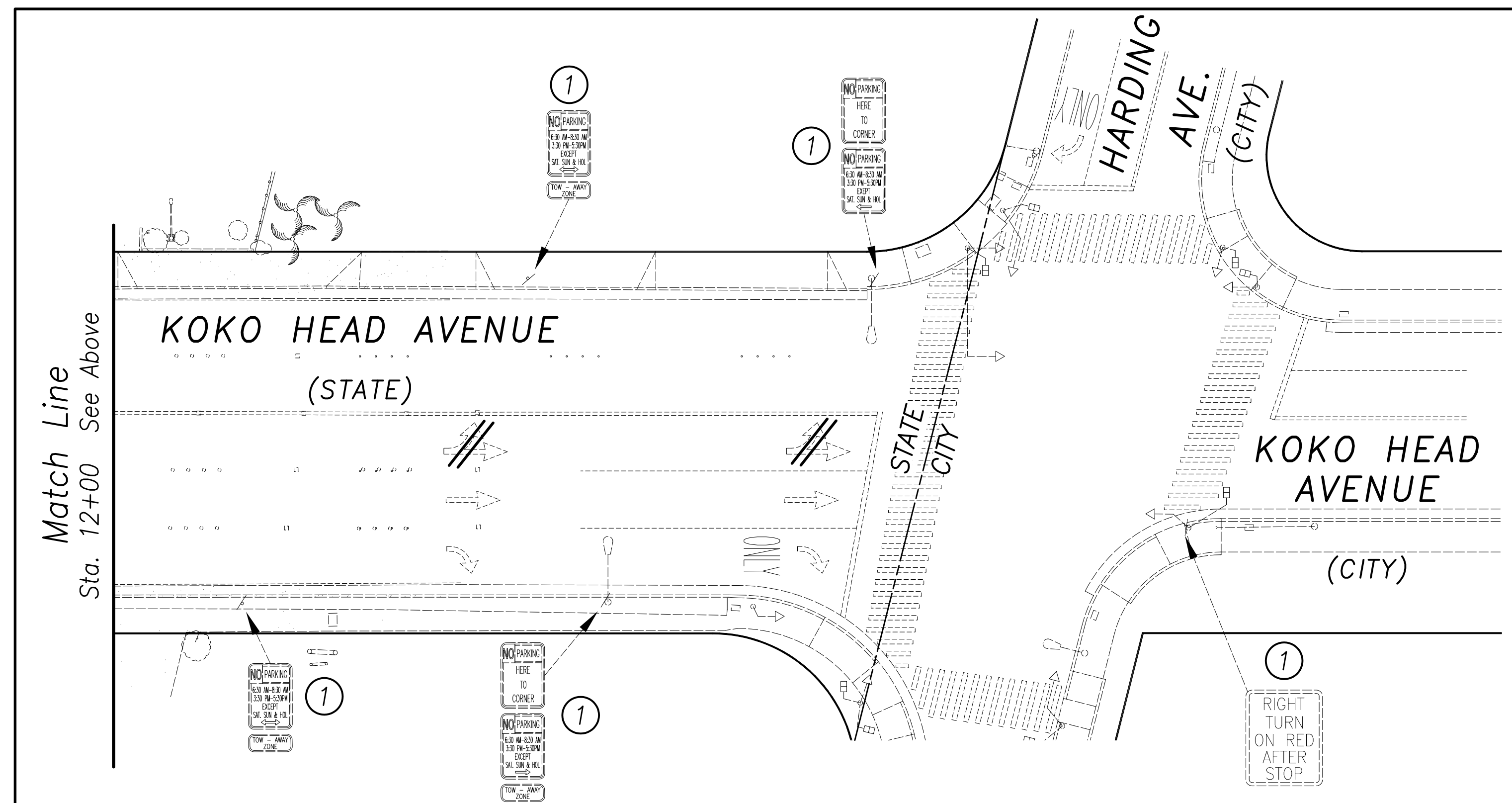
Notes:

- 1 Stop line to remain.
- 2 Pavement arrows to remain.

Demolition Callouts:

--//-- Remove existing pavement striping

- 1 Existing sign(s) to remain
- 2 Remove existing sign(s) and post(s)
- 3 Remove existing sign(s)



License Expiration Date: 04-30-22  
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Conrad Higashimura

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**DEMOLITION PLAN**  
**H-1 Exit 26A & Koko Head Ave**  
**ADDITIVE ALTERNATE #3**  
**Traffic Signal Modernization, Oahu, Phase 1**  
**Federal-Aid Project No. STP-0300(163)R**  
Scale: 1"=20' Date: Oct. 2020  
SHEET No. R-8 OF 81 SHEETS

|                   |      |
|-------------------|------|
| SURVEY PLOTTED BY | DATE |
| DRAWN BY          |      |
| DESIGNED BY       |      |
| QUANTITIES BY     |      |
| CHECKED BY        |      |
| No.               |      |

New 18, 2020-Edison  
N:\CAO\DWG\2015\1512-Traffic Signal Modernization @ Various Locations P&E\FINAL\029 Signing Demo Plan H.dwg



Demolition Callouts:

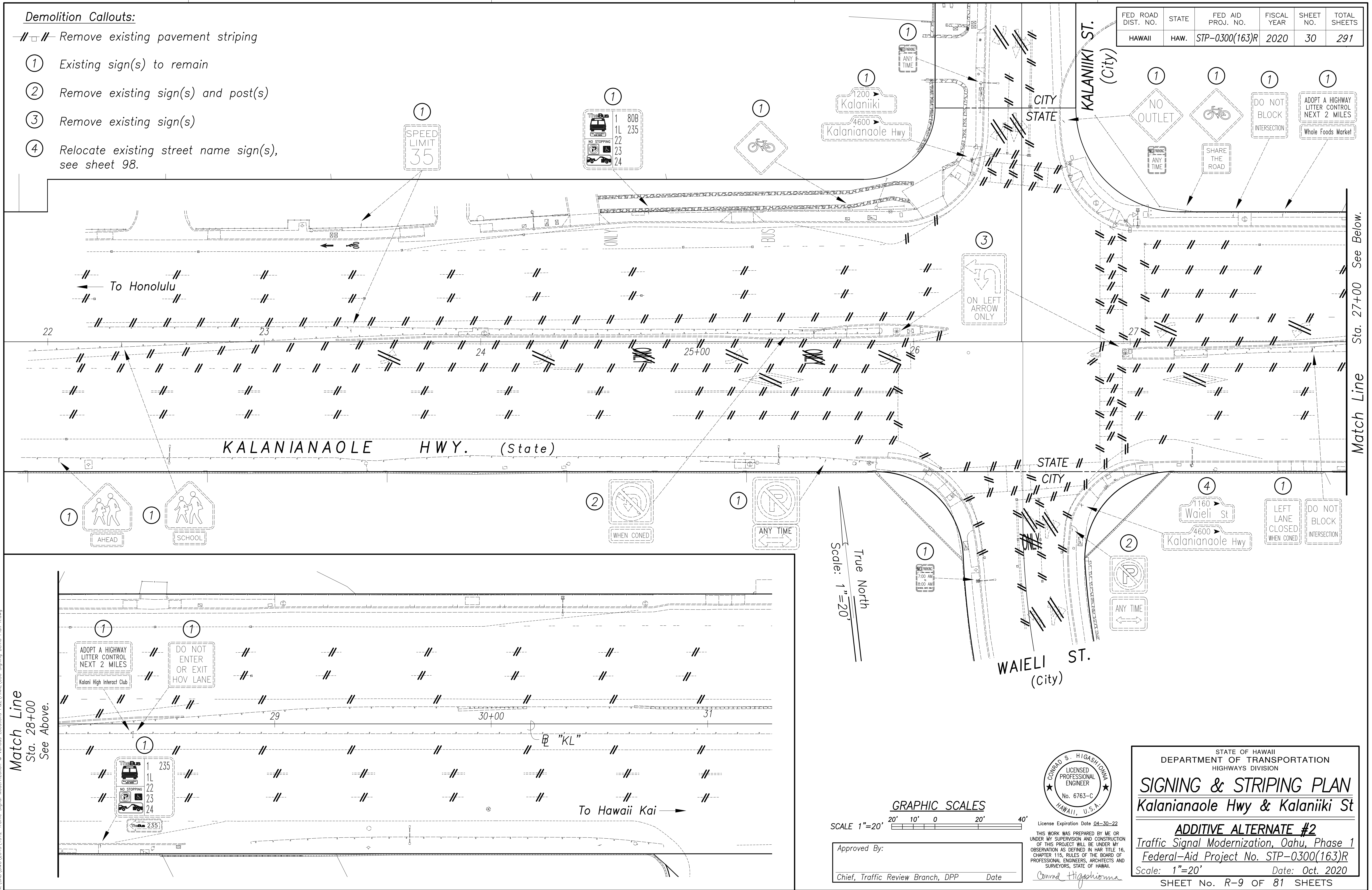
--□-- Remove existing pavement striping

- ① Existing sign(s) to remain
- ② Remove existing sign(s) and post(s)
- ③ Remove existing sign(s)
- ④ Relocate existing street name sign(s), see sheet 98.

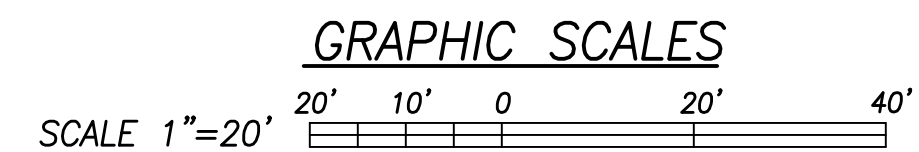
New 18, 2020--Edcom  
N:\CAO\DWG\2015\1512--Traffic Signal Modernization @ Various Locations P&E\FINAL\030 Signing Demo Plan K.dwg

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

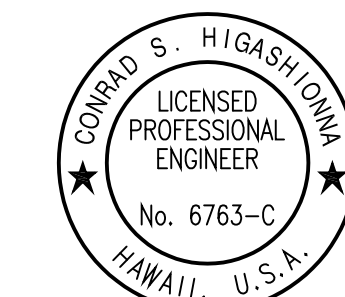
Match Line  
Sta. 28+00  
See Above.



| FED. ROAD DIST. NO. | STATE | FED. AID PROJ. NO. | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------------|-------|--------------------|-------------|-----------|--------------|
| HAWAII              | HAW.  | STP-0300(163)R     | 2020        | 30        | 291          |



Approved By: \_\_\_\_\_  
Chief, Traffic Review Branch, DPP Date \_\_\_\_\_



License Expiration Date 04-30-22  
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION AS DEFINED IN HAWAII TITLE 16, CHAPTER 115, RULES OF THE BOARD OF PROFESSIONAL ENGINEERS, ARCHITECTS AND SURVEYORS, STATE OF HAWAII.  
Conrad Higashimura

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**SIGNING & STRIPING PLAN**  
**Kalanianaʻole Hwy & Kalaniiki St**

**ADDITIVE ALTERNATE #2**  
**Traffic Signal Modernization, Oahu, Phase 1**  
**Federal-Aid Project No. STP-0300(163)R**  
Scale: 1"=20' Date: Oct. 2020  
SHEET No. R-9 OF 81 SHEETS