

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-16(003)	2020	ADD. 14	48

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

1.

Only Traffic Control Plans for major construction activities are shown. The Contractor shall develop his own Traffic Control Plans in accordance with Section 645 of the Special Provisions for activities to complete work not covered by the Traffic Control Plans. The Contractor shall submit the Traffic Control Plans to the Engineer for approval. Payment shall be made under pay item 645.1000 - Traffic Control.
2.

The Contractor shall make minor adjustments to fit field conditions with approval of the Engineer.
3.

Cones or delineators shall be extended to a point where they are visible to approaching traffic.
4.

Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively toward the work area.
5.

Flaggers and/or police officers shall be in sight of each other or in direct communications at all times.
6.

Sign spacings (L), taper lengths (T), and spacings of cones or delineators shall be as shown in Table 645-I of Section 645 in the Specifications, unless otherwise noted on HDOT's Traffic Control Plans.
7.

All traffic lanes shall be minimum of 10 feet wide.
8.

All signs shall be promptly removed or covered whenever the message is not applicable or not in use.
9.

The backs of all signs for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces).
10.

At the end of each day's work or as soon as the work is completed, the Contractor shall remove all traffic control devices no longer needed to permit free and safe passage of public traffic. Removal shall be in the reverse order of installation.
11.

Existing conflicting pavement markings shall be removed and temporary pavement markings shall be installed before traffic patterns are changed.
12.

The locations of pavement markings, signs, and delineators used in the Traffic Control shall be as shown on the plans, Contractor's approved Traffic Control Plans, and/or as determined in the field by the Engineer.
13.

Damage to signs, temporary pavement markers, and delineators caused by the public or Contractor's negligence shall be repaired or replaced by the Contractor at the Contractor's expense.



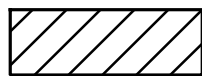
15.

Work zone limits shown for each traffic control phase encompass all work items to be completed in that particular phase. The length of the work zone may be reduced to accommodate the Contractor's actual work zone for that time period, provided it has been accepted by the Engineer, and all tangents, tapers, and buffer lengths are maintained.
16.

The Contractor will be restricted to the following lane closure hours:
One lane closure, 8:30 am to 3:00 pm. See Special Provisions Section 645 for other restrictions.
17.

The Contractor shall develop his own traffic control for installation and removal of the Temporary Rockfall Protection Fence.

LEGEND:



Work Area



Traffic Cones



Flagman



Sign





Direction of Traffic

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
NOTE BOOK	
N°	

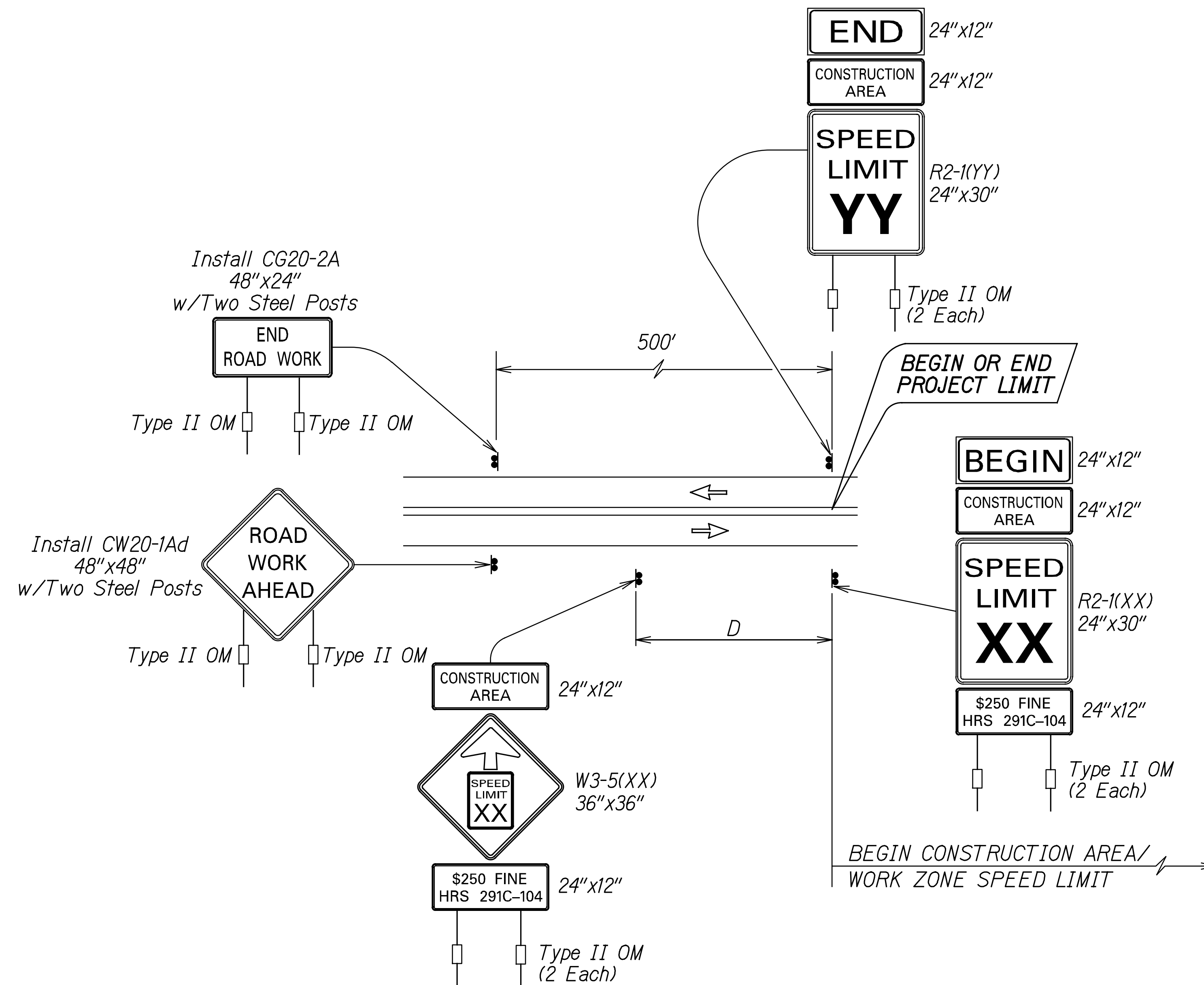
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10/18/19	 Deleted Note 14. Revised Note 16.
Date	Revision

<div><p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. <i>R. M. Urasaki</i> 04/30/20 SIGNATURE EXPIRATION DATE OF THE LICENSE</p></div>	<div>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</div> <div>TRAFFIC CONTROL NOTES</div> <div>KUHIO HIGHWAY Emergency Slope Stabilization in the Vicinity of Kalihiwai Bridge Federal-Aid Project No. ER-16(003) Scale: None Date: July 2019</div>
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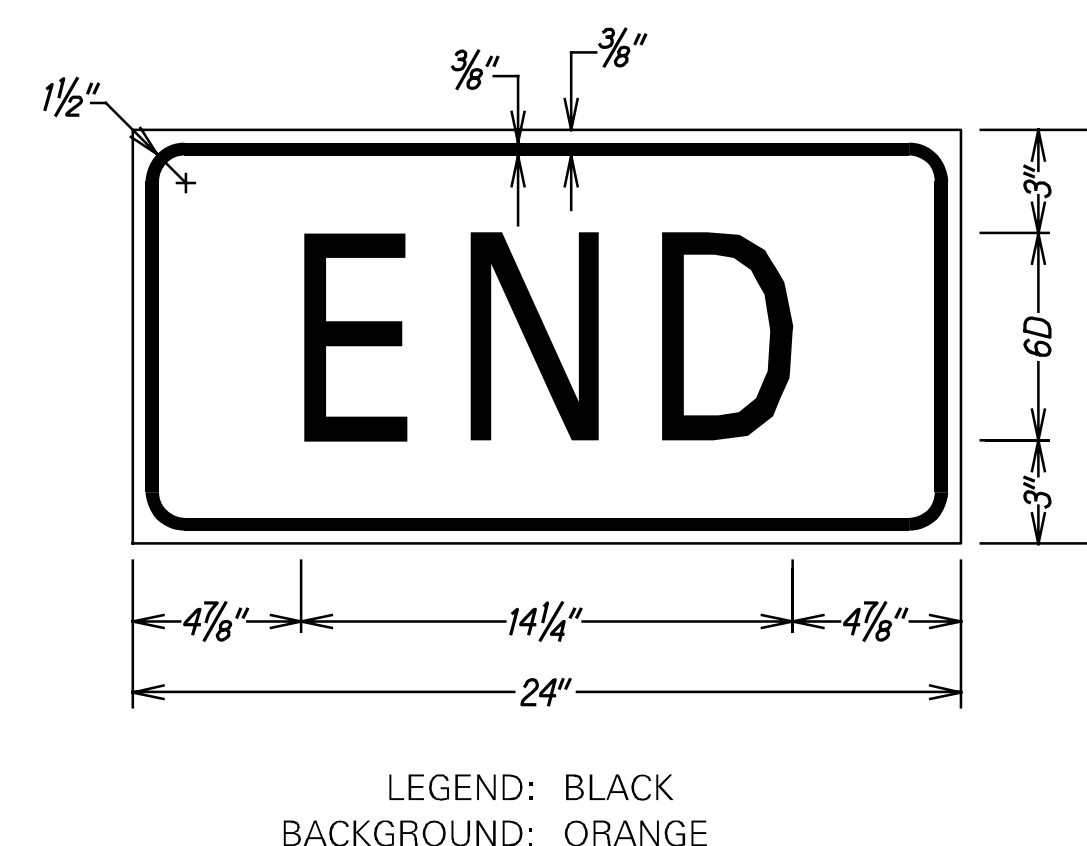
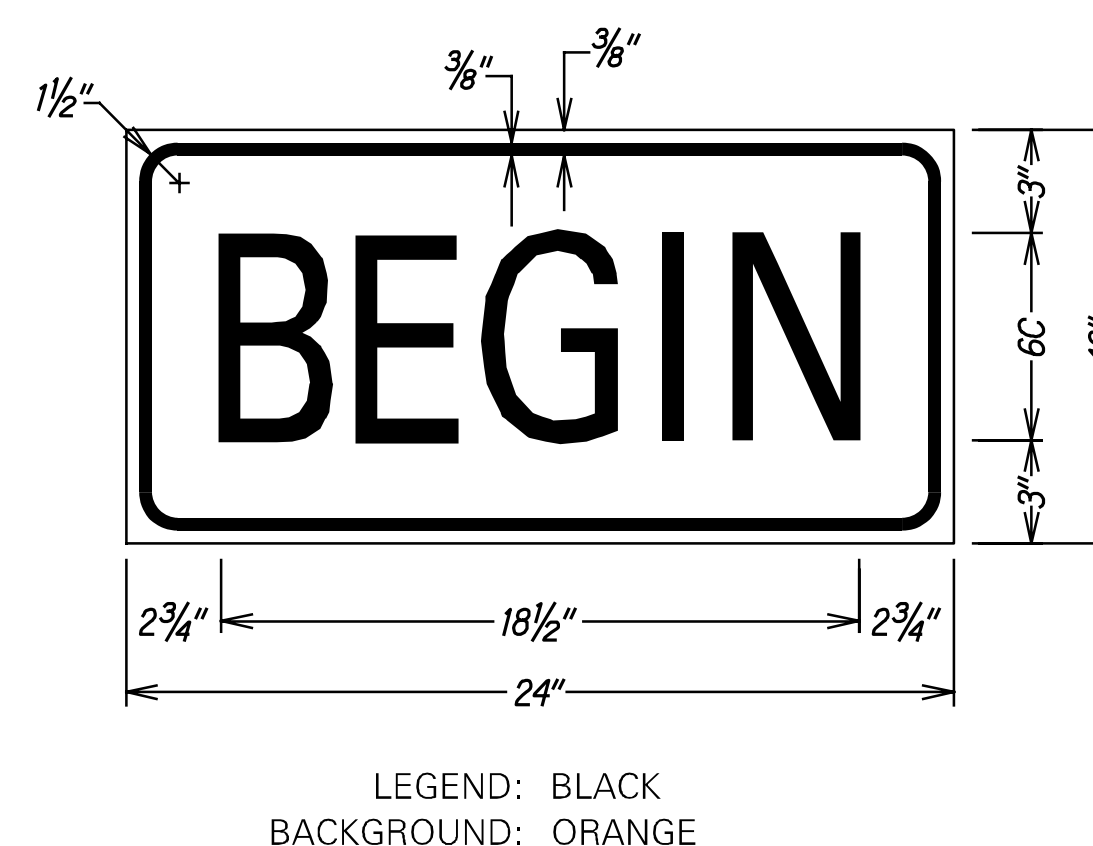
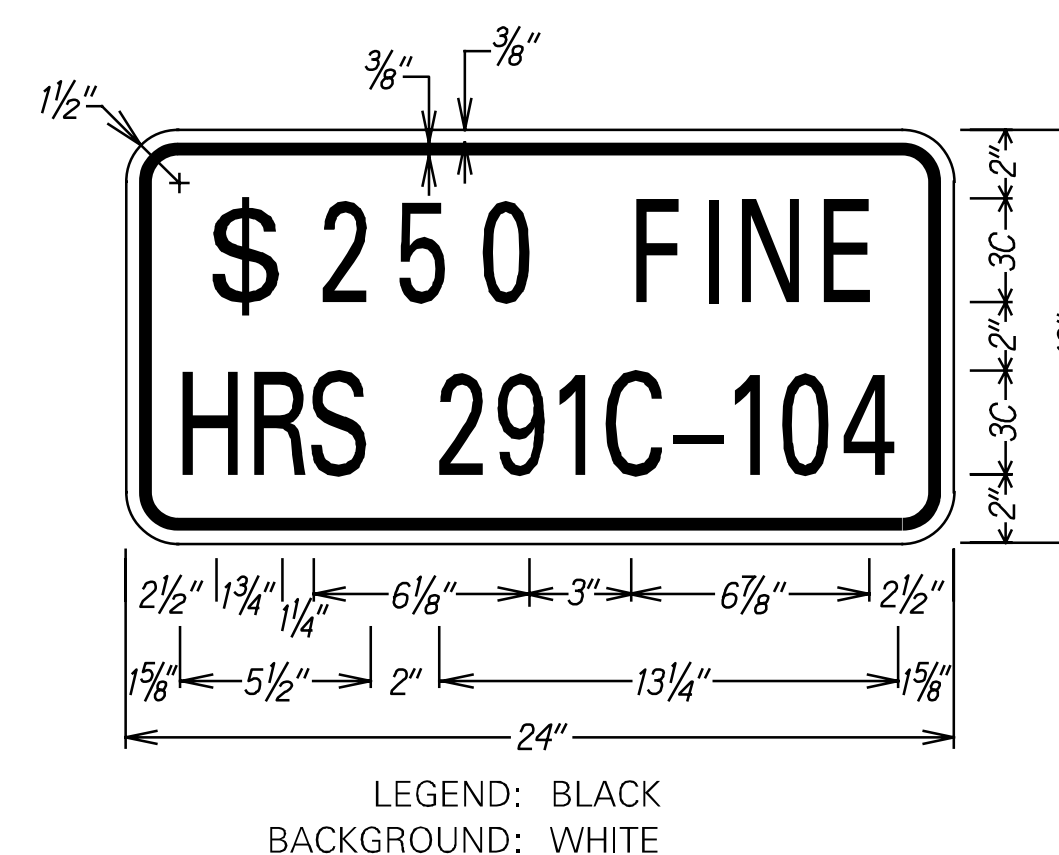
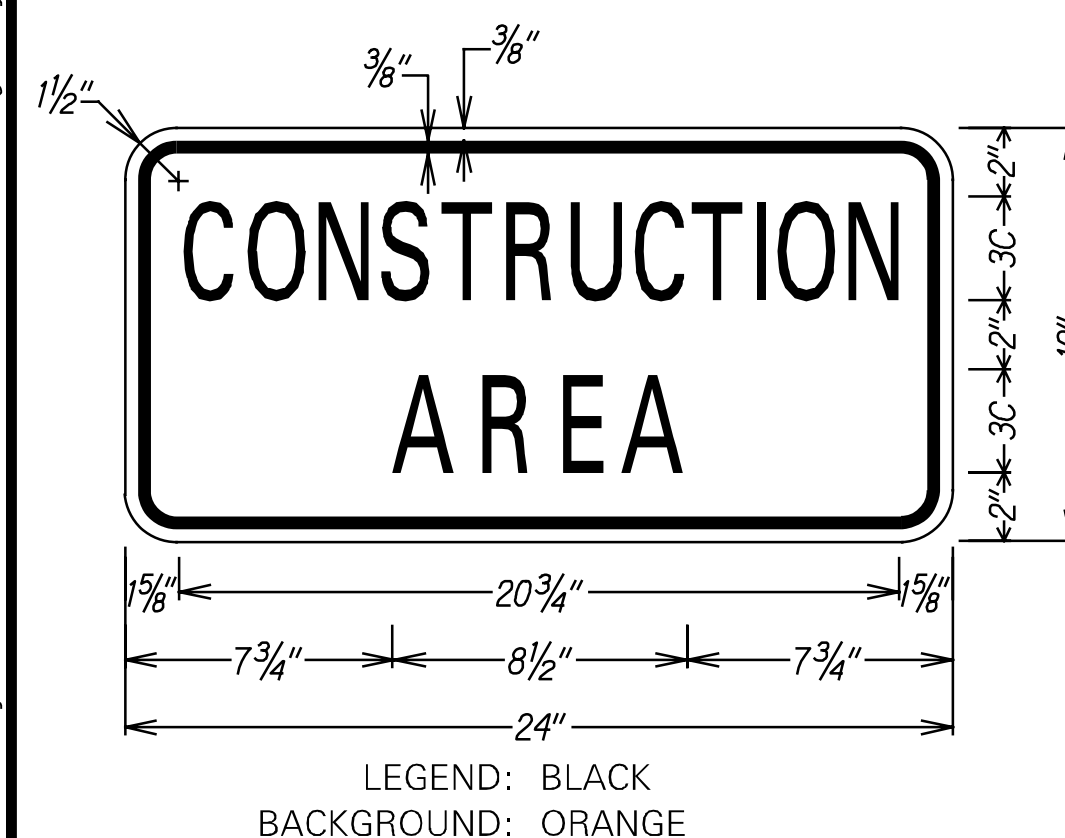


TYPICAL DETAIL FOR CONSTRUCTION SIGNS
ON TWO LANE OR MULTILANE UNDIVIDED LOW SPEED HIGHWAY

- Work Zone Note:

1. *This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.*
2. *All existing regulatory speed limit signs with posts within the work zone/project limits shall be removed and replaced with work zone speed limit sign assemblies (R2-1(XX) and R2-5b(XX) with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs).*
3. *Construction sign assemblies shall be installed on both the approaching and trailing ends of each work zone as shown on this plan.*
4. *Each construction warning sign shall have a minimum of two (2) Type II OM. Each work zone speed limit assembly shall have a minimum of one (1) Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 645.1000 - Traffic Control.*
5. *Upon the completion of all physical work or as directed by the Engineer, all construction signs and work zone speed limit assemblies shall be removed. All speed limit signs and posts that were existing at the start of the project within the work zone/project limits shall be restored back to their original locations and configurations.*
6. *Placement of construction signs shall not obstruct the path of pedestrians and bicyclists.*
7. *The removal and restoration of existing regulatory speed limit signs shall be considered incidental to Item No. 645.1000 - Traffic Control.*
8. *The installation, maintenance and removal of work zone speed limit signs shall be paid for under Item No. 645.1000 - Traffic Control.*
9. *The work zone speed limit signs shall be new and become the property of the Contractor.*
10. *The Contractor shall adjust the locations of work zone signs to correspond with the beginning and end of work zone limits for each phase. Relocation of work zone signs shall be considered incidental to Item No. 645.1000 - Traffic Control.*


TABLE I GUIDELINE FOR ADVANCE PLACEMENT OF SPEED REDUCTION SIGN R2-5b(XX)-A, CONSTRUCTION AREA SPEED LIMIT		
YY – EXISTING POSTED SPEED LIMIT (MPH)	XX – NEW CONSTRUCTION AREA SPEED LIMIT (MPH)	D-REDUCED SPEED LIMIT SIGN SPACING TO FIRST CONSTRUCTION AREA SPEED LIMIT SIGN (FEET)
≤ 25	EXIST. SPEED LIMIT TO REMAIN	
30	25	100
35	25	175
40	30	175



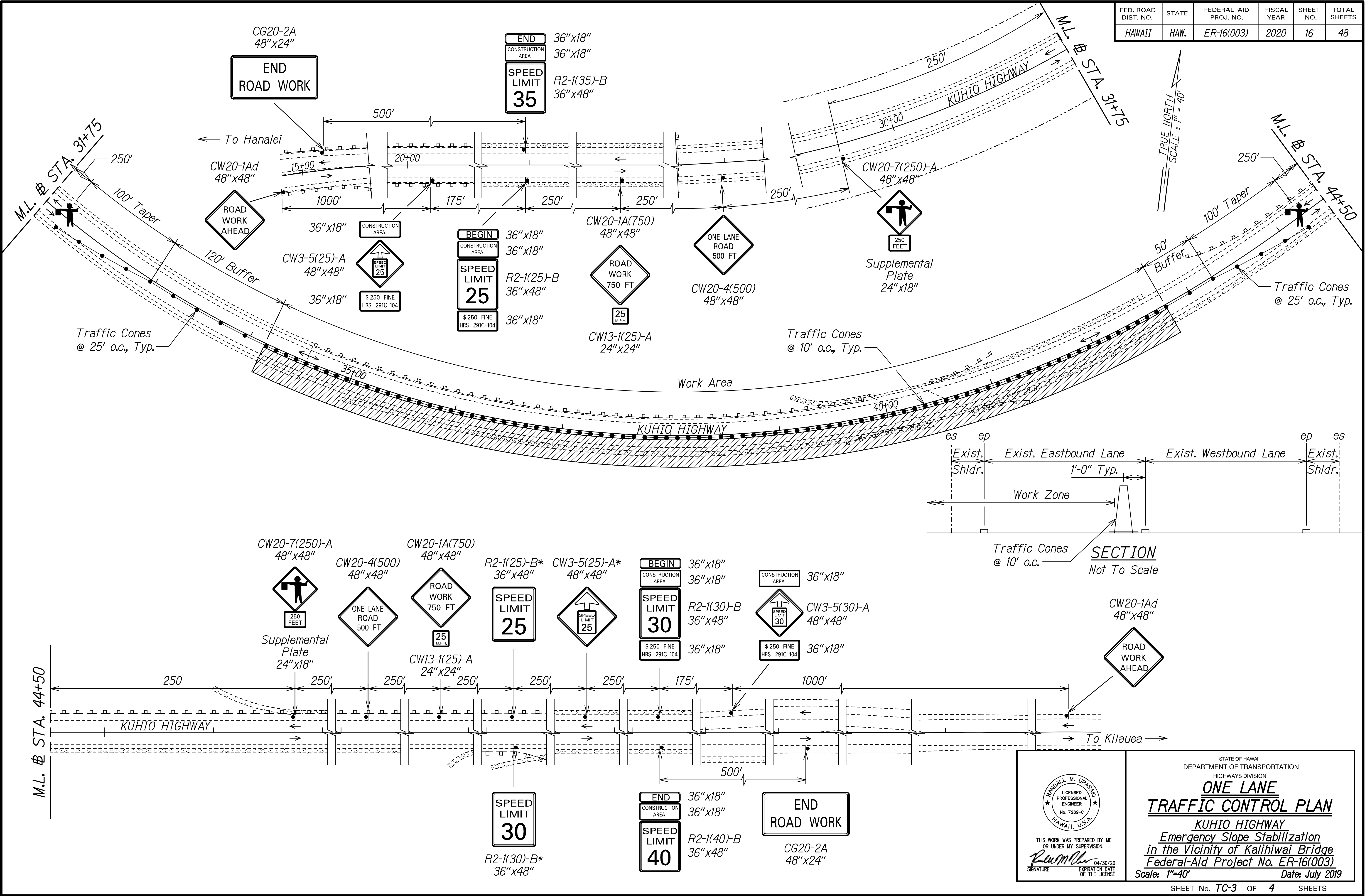
ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	_____
	TRACED BY _____	_____
NOTE BOOK	DESIGNED BY _____	_____
	QUANTITIES BY _____	_____
	CHECKED BY _____	_____
No. _____		

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 <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p><i>Randall M. Uraski</i> SIGNATURE</p> <p>04/30/20 EXPIRATION DATE OF THE LICENSE</p>	<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p><u>LOW SPEED UNDIVIDED HIGHWAY</u> <u>WORK ZONE SIGNING PLAN, NOTES & DETAILS</u> <u>KUHIO HIGHWAY</u> <u>Emergency Slope Stabilization</u> <u>in the Vicinity of Kalihiwai Bridge</u> <u>Federal-Aid Project No. ER-16(003)</u></p> <p>Scale: None Date: July 2019</p>
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HAWAII	HAW.	ER-16(003)	2020	16	48



SURVEY PLOTTED BY	DATE
DRAWN BY	
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NOTE BOOK	
QUANTITIES BY	
DATE	

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ONE LANE TRAFFIC CONTROL PLAN

KUHIU HIGHWAY
Emergency Slope Stabilization
in the Vicinity of Kalihiwai Bridge
Federal-Aid Project No. ER-16(003)

Scale: 1"=40' Date: July 2019

SHEET No. TC-3 OF 4 SHEETS

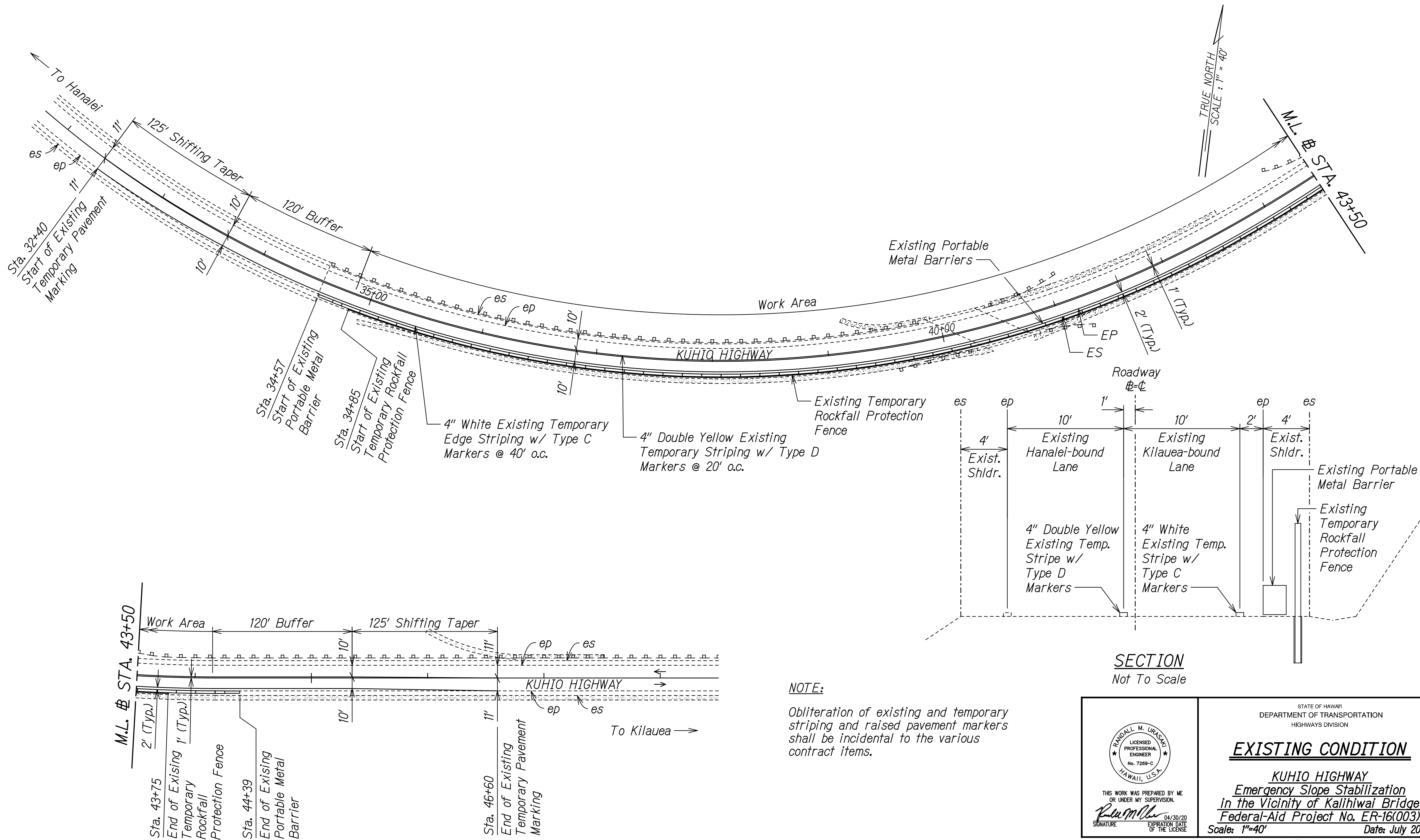
RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7289-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

R. M. Urasaki
SIGNATURE DATE: 04/30/20 EXPIRATION DATE OF THE LICENSE

END ROAD WORK
CG20-2A
48"x24"

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HAWAII	HAW.	ER-16(003)	2020	17	48



SURVEY PLOTTED BY	DATE
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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

SIGNATURE: *R. Urashima* EXPIRATION DATE OF THE LICENSE: 04/30/20

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

EXISTING CONDITION

KUHIO HIGHWAY
Emergency Slope Stabilization
in the Vicinity of Kalihiwai Bridge
Federal-Aid Project No. ER-16(003)

Scale: 1"=40' Date: July 2019