

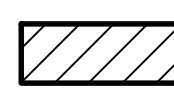
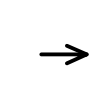



GENERAL NOTES FOR TRAFFIC CONTROL PLAN

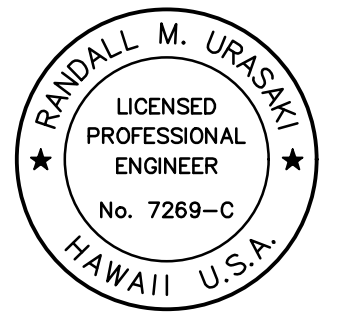
FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(004)	2024	44	49

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 for development and implementation of the Traffic Control Plans shall be included in Pay Item 645.1000 Traffic Control.
2. All lane closures and traffic pattern changes (detours) not shown on the plan shall be submitted to the Engineer for approval in accordance with Specifications Section 645-Traffic Control. For restrictions on lane closures, detours, construction work during peak hours, and other requirements regarding maintaining vehicular and pedestrian traffic, see Section 107.13 - Public Convenience and Safety, and Section 645-Traffic Control.
3. The Contractor shall make minor adjustments at intersections, driveways, bridges, structures, etc. to fit field conditions.
4. Cones or delineators shall be extended to a point where they are visible to approaching traffic.
5. 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.
6. Flaggers and/or police officers shall be in sight of each other or in direct communications at all times.
7. Sign spacings (L), taper lengths (T), and spacings of cones or delineators shall be as shown in Table 1 of Section 645 in the Specifications, unless otherwise noted on HDOT's Traffic Control Plans.
8. All traffic lanes shall be minimum of 10 feet wide.
9. All signs shall be promptly removed or covered whenever the message is not applicable or not in use.
10. 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).
11. 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.
12. Replace permanent pavement markings and traffic signs upon completion of each phase of work. Temporary pavement markings and traffic signs shall be used in the interim.
13. Existing conflicting pavement markings shall be removed and temporary pavement markings shall be installed before traffic patterns are changed. After completion of the work, temporary pavement markings shall be removed. Payment for removal of existing pavement markings; and furnishing, installing, and removal of temporary pavement markings, whether or not shown on the Traffic Control Plans shall be considered incidental to the various contract items.
14. 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.
15. Damage to signs, temporary pavement markers, and delineators caused by Contractor's negligence shall be repaired or replaced by the Contractor at the Contractor's expense.
16. 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.
17. The Contractor is responsible for providing all sign supports and/or posts for construction warning signs.
18. The Contractor shall coordinate traffic control with adjacent construction projects. Payment for coordination shall be included in Pay Item 645.1000 Traffic Control. If traffic control conflicts arise between projects, the Engineer will determine priorities.
19. The shared path shall be open for public use at all times. The Contractor shall provide flagmen to direct pedestrian and bicycle traffic when working near the shared path. Payment shall be included in Pay Item 645.1000 Traffic Control.

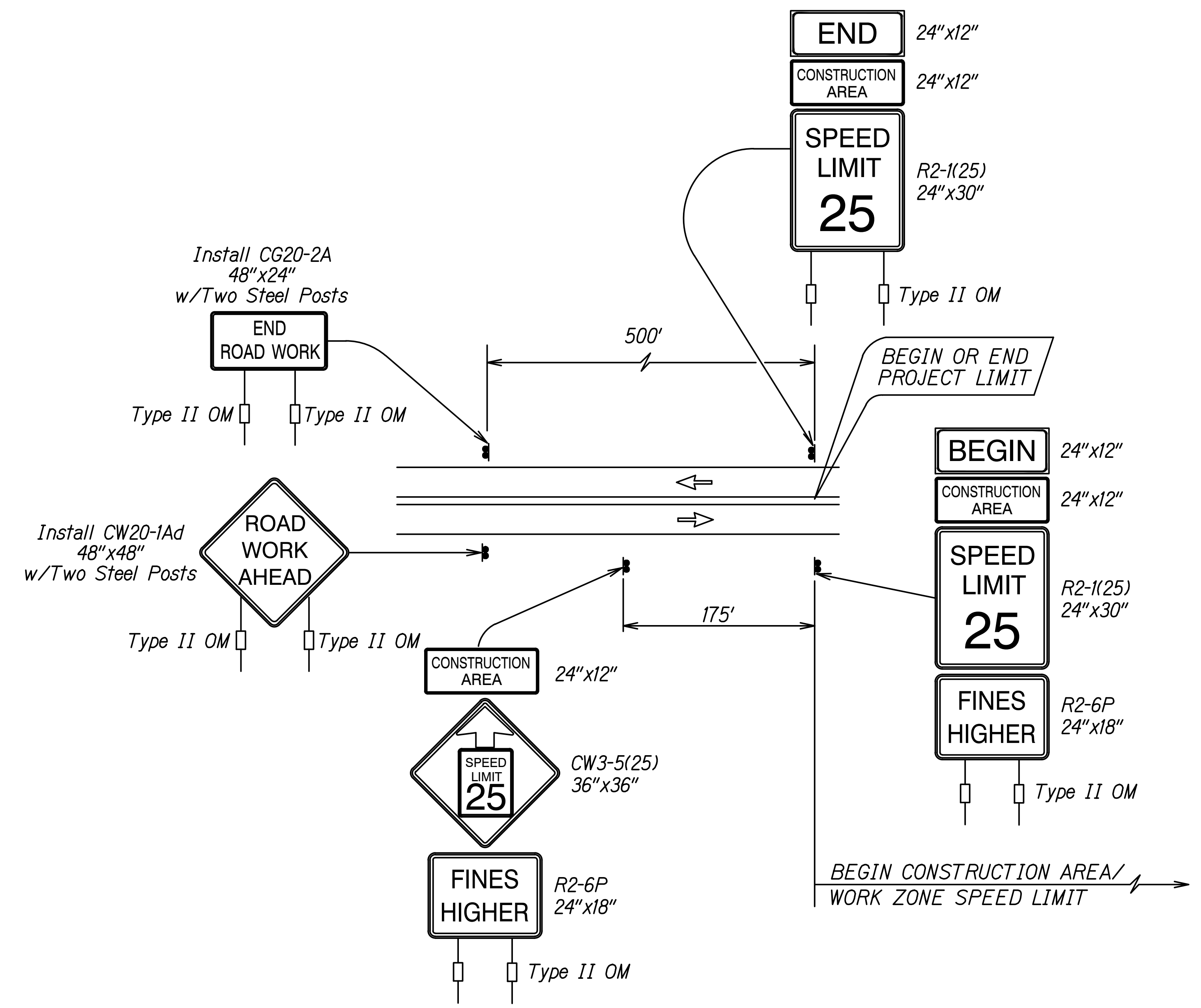
LEGEND:

-  Flashing Arrow Sign
-  Sign
-  Work Zone
-  Direction of Traffic
-  Cones with Retroreflective bands
(All cones in work area shall be 28" high).

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	TRACED BY	
	QUANTITIES BY	
	CHECKED BY	

 <p>THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.</p> <p><i>Randall M. Urasaki</i></p> <p>SIGNATURE: _____ EXPIRATION DATE OF THE LICENSE: 04/30/24</p>	<p>STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION</p> <p>TRAFFIC CONTROL NOTES AND LEGEND</p> <p>KUHIO HIGHWAY</p> <p><i>Emergency Shoreline Mitigation</i></p> <p>Fed. Aid Project No. ER-24(004)</p> <p>Scale: None Date: Oct. 2023</p>
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FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(004)	2024	45	49

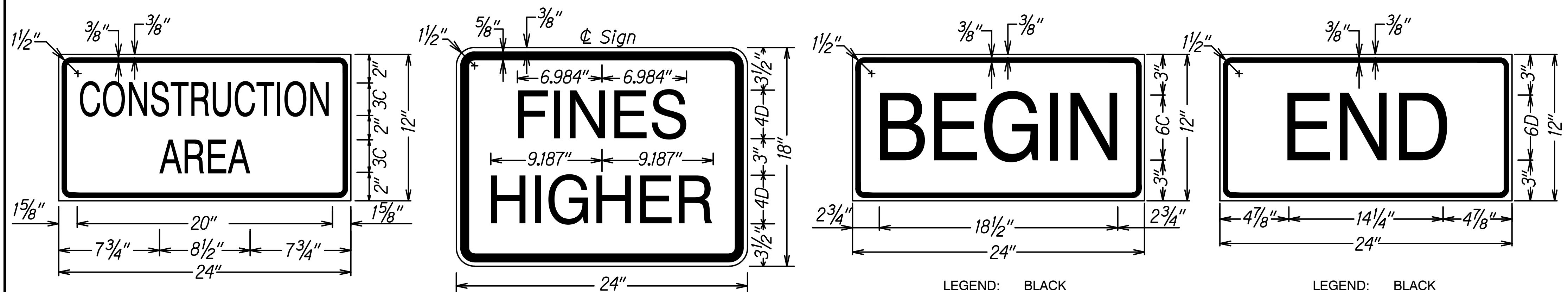


TYPICAL DETAIL FOR CONSTRUCTION SIGNS
ON TWO LANE OR MULTILANE UNDIVIDED LOW SPEED HIGHWAY

Work Zone Notes:

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(25) and CW3-5(25) with "CONSTRUCTION AREA" and R2-6P "FINES HIGHER" 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 and work zone speed limit assembly shall have a minimum of two (2) 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. Dates, times, locations and description of work for each sign location shall be provided to the engineer in writing.
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.

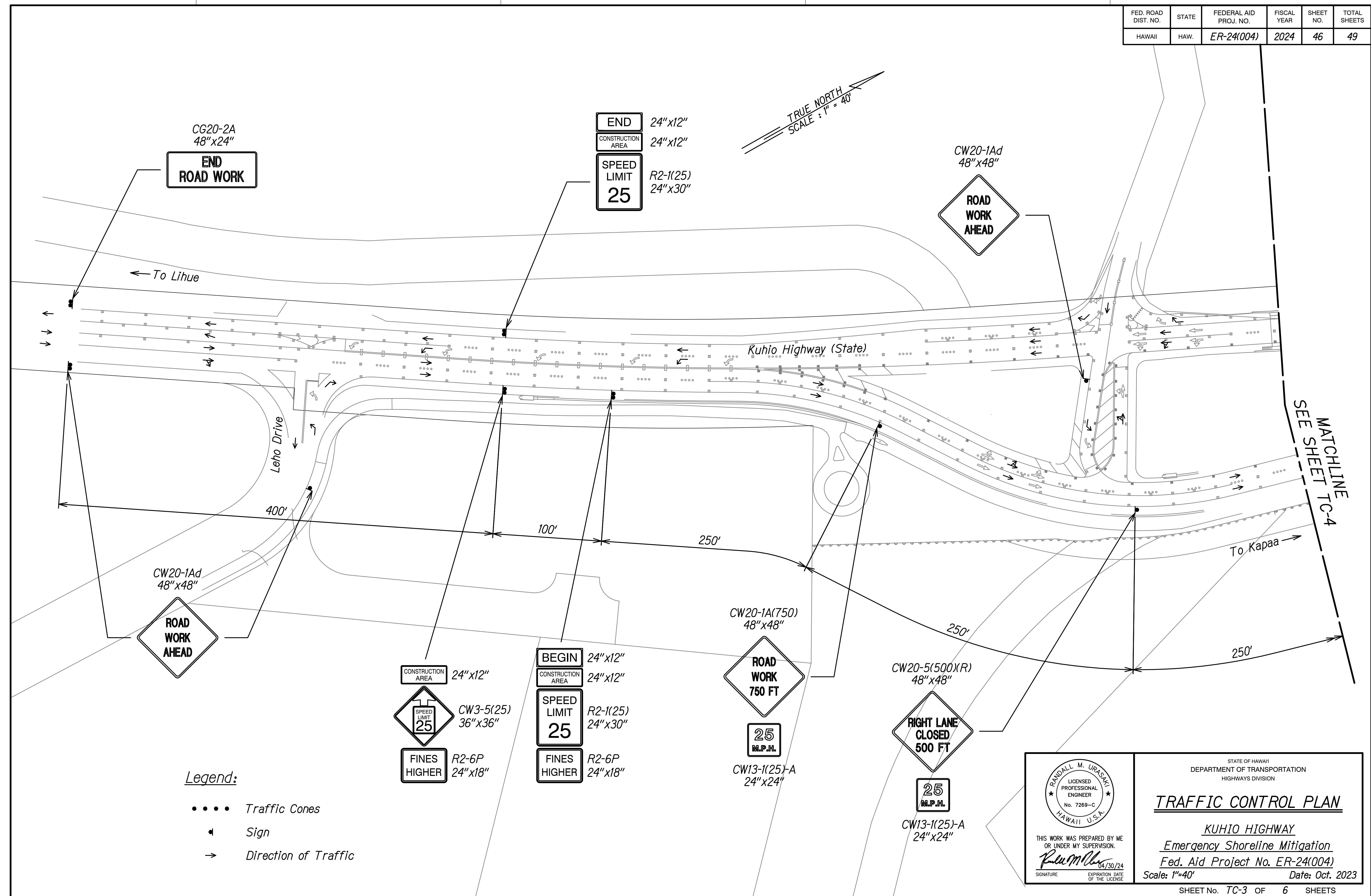
DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
TRACED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
N.	_____



RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Signature: *Randall M. Urasaki*
Date: 04/30/24
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LOW SPEED UNDIVIDED HIGHWAY
WORK ZONE SIGNING PLAN, NOTES & DETAILS
KUHIO HIGHWAY
Emergency Shoreline Mitigation
Fed. Aid Project No. ER-24(004)
Scale: Not to Scale Date: Oct. 2023

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CG20-2A
48" x 24"
END ROAD WORK

END 24" x 12"
CONSTRUCTION AREA 24" x 12"
SPEED LIMIT 25 R2-1(25) 24" x 30"

CW20-1Ad
48" x 48"
ROAD WORK AHEAD

← To Lihue

Kuhio Highway (State)

MATCHLINE
SEE SHEET TC-4

Leho Drive
400'

100'

250'

To Kapaa →

CW20-1Ad
48" x 48"
ROAD WORK AHEAD

CONSTRUCTION AREA 24" x 12"
SPEED LIMIT 25 CW3-5(25) 36" x 36"
FINES HIGHER R2-6P 24" x 18"

BEGIN 24" x 12"
CONSTRUCTION AREA 24" x 12"
SPEED LIMIT 25 R2-1(25) 24" x 30"
FINES HIGHER R2-6P 24" x 18"

CW20-1A(750)
48" x 48"
ROAD WORK 750 FT
25 M.P.H.
CW13-1(25)-A 24" x 24"

CW20-5(500)(R)
48" x 48"
RIGHT LANE CLOSED 500 FT
25 M.P.H.
CW13-1(25)-A 24" x 24"

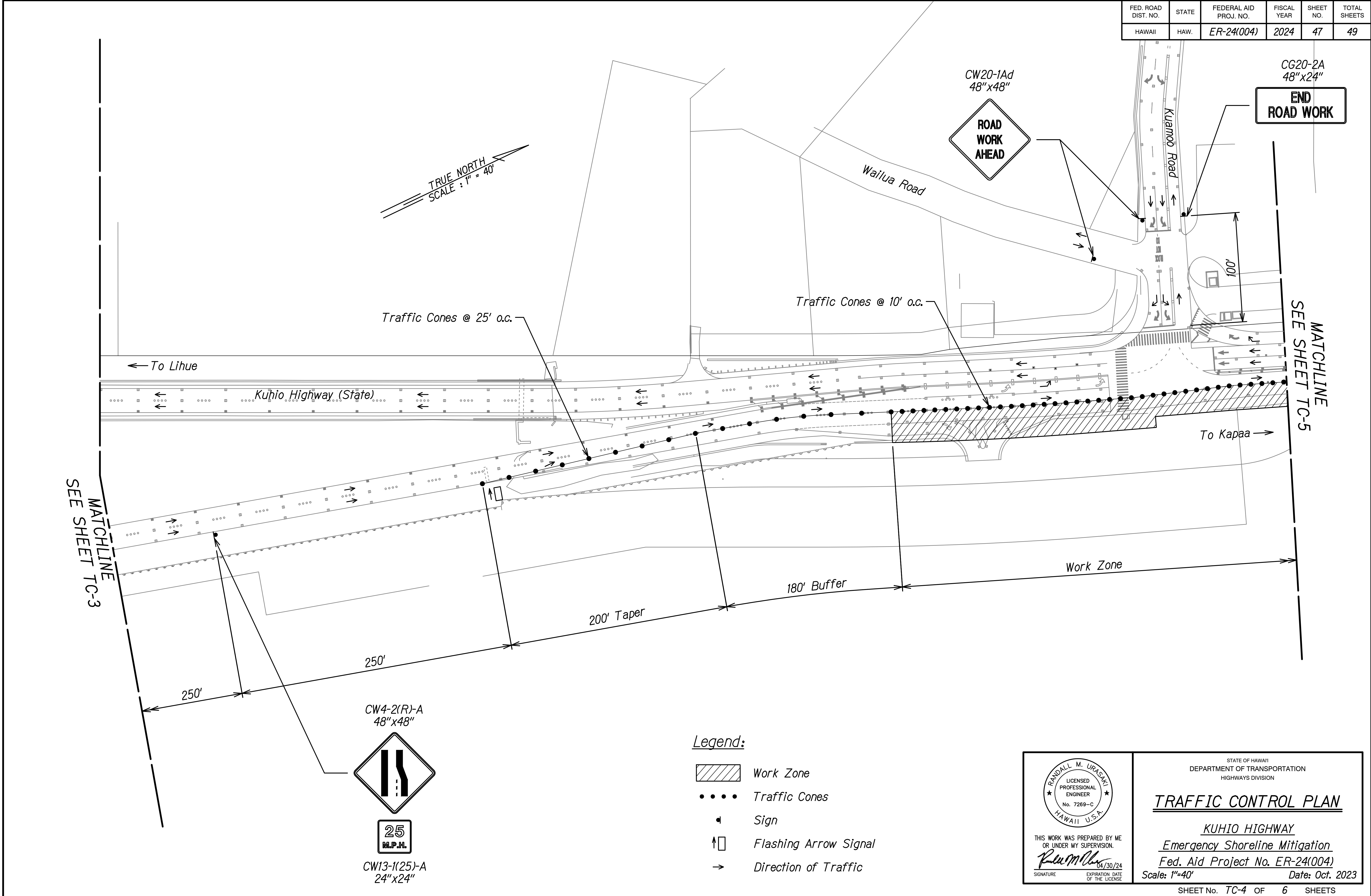
Legend:
••••• Traffic Cones
◀ Sign
→ Direction of Traffic

SURVEY PLOTTED BY	DATE
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TRACED BY	
QUANTITIES BY	
CHECKED BY	
N.	

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Signature: *Randall M. Urasaki*
Date: 04/30/24
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
TRAFFIC CONTROL PLAN
KUHIO HIGHWAY
Emergency Shoreline Mitigation
Fed. Aid Project No. ER-24(004)
Scale: 1"=40' Date: Oct. 2023

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(004)	2024	47	49



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NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
N.	

RANDALL M. URASAKI
LICENSED PROFESSIONAL ENGINEER
No. 7269-C
HAWAII U.S.A.

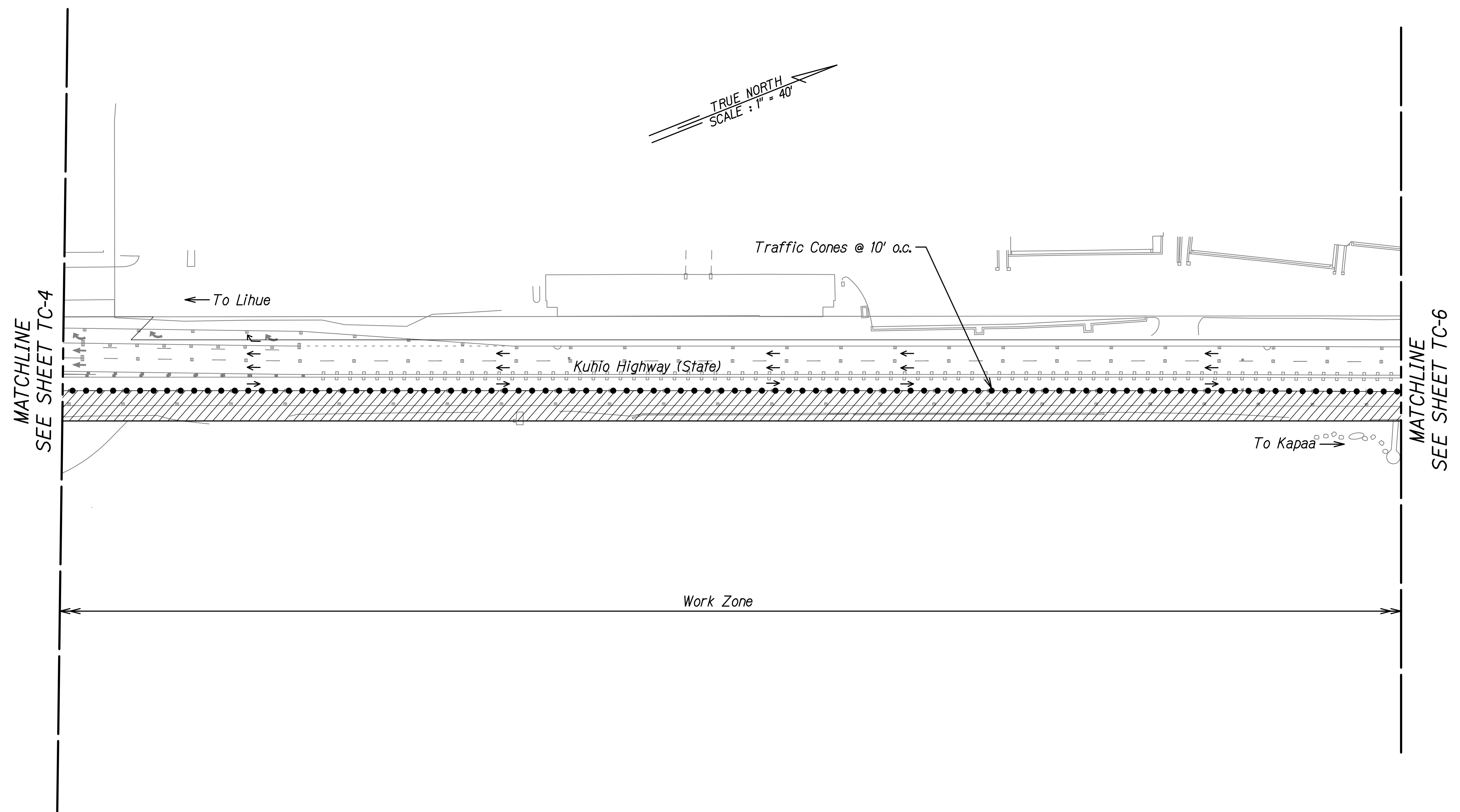
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Randall M. Urasaki
SIGNATURE
04/30/24
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION





TRAFFIC CONTROL PLAN

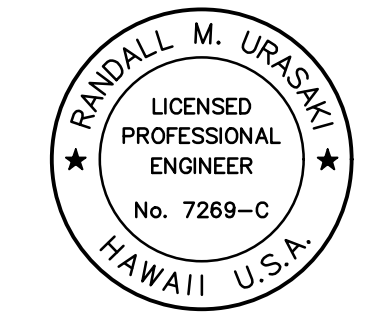
KUHIO HIGHWAY
Emergency Shoreline Mitigation
Fed. Aid Project No. ER-24(004)
Scale: 1"=40' Date: Oct. 2023

FED. ROAD DIST. NO.	STATE	FEDERAL AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	ER-24(004)	2024	48	49



SURVEY PLOTTED BY	DATE
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TRACED BY	
QUANTITIES BY	
CHECKED BY	
N ^o .	

- Legend:
-  Work Zone
 -  Traffic Cones
 -  Sign
 -  Direction of Traffic



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Randall M. Uraski
SIGNATURE

04/30/24
EXPIRATION DATE OF THE LICENSE

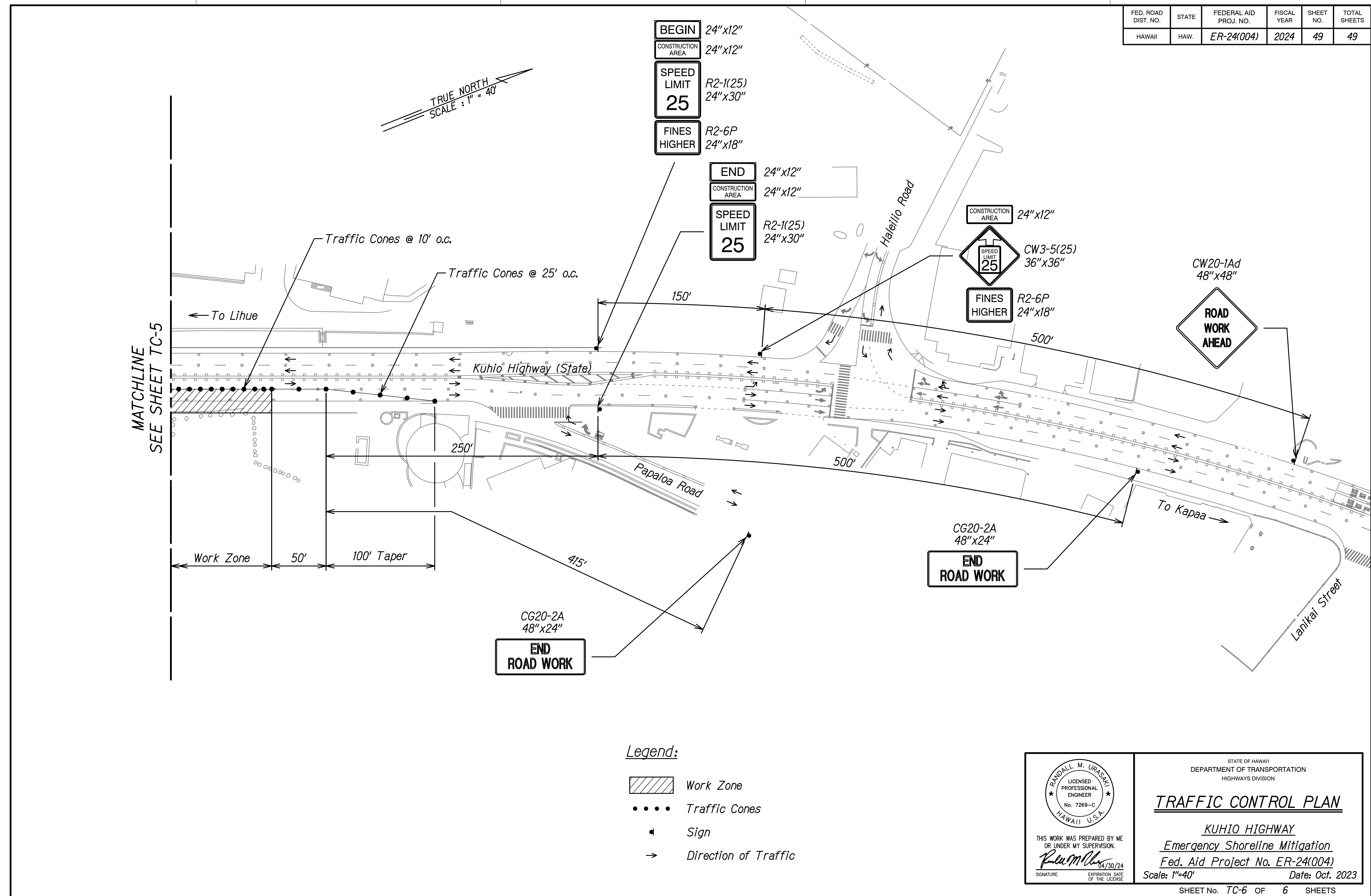
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN

KUHIO HIGHWAY
Emergency Shoreline Mitigation
Fed. Aid Project No. ER-24(004)

Scale: 1"=40' Date: Oct. 2023

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MATCHLINE
SEE SHEET TC-5

TRUE NORTH
SCALE: 1" = 40'

- Legend:**
- Work Zone
 - Traffic Cones
 - Sign
 - Direction of Traffic

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES BY	
CHECKED BY	
N.	

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Randall M. Urasaki
SIGNATURE EXPIRATION DATE OF THE LICENSE: 04/30/24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN

KUHIO HIGHWAY
Emergency Shoreline Mitigation
Fed. Aid Project No. ER-24(004)

Scale: 1"=40' Date: Oct. 2023