

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-K280)	2023	192	466

GENERAL NOTES FOR TRAFFIC CONTROL PLAN:

- Only typical traffic control plans for major activities are shown. The Contractor shall develop their own traffic control plans in accordance with Section 645 of the Special Provisions, AASHTO Roadside Design Guide, and the latest edition of the Manual on Uniform Traffic Control Devices. The Permittee shall make minor adjustments at intersections, driveways, bridges, structures, etc., to fit field conditions. Table 1 below may be used by the Contractor with approval from the Engineer.
- Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- 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.
- Regulatory and warning signs within the construction zone that are in conflict with the traffic control plans shall be removed or covered. All signs shall be restored upon completion of the work.
- Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
- Sign spacing (D), taper lengths (T) and spacing of cones or delineators shall be as shown in Table 1, unless otherwise noted on the traffic control plans.
- All traffic lanes shall be a minimum of 10 feet wide in each direction on H-1 and a minimum of 9 feet wide in each direction on Gulick Avenue.
- All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- The backs of all signs used for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e., when signs have messages on both faces, or company advertisements).
- At the end of each day's work 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.
- Replace permanent pavement markings and traffic signs upon completion of each phase of work.
- Contractor shall install electronic message boards prior to the start of construction to provide advanced warning of freeway lane closures. Location of sign to be coordinated with HDOT. Message boards shall display closure dates and times and shall be operational 24 hours a day for three (3) days prior to the first freeway lane closure. Signs shall remain for the duration of the anticipated lane closures. The Contractor shall provide appropriate traffic control devices (barricades, cones, etc.) to protect the message boards.
- Contractor shall coordinate all lanes closures and detours with any other construction activities in the area.
- Refer to Construction Staging Plans for additional staging and traffic control notes.

TABLE 1 FOR TRAFFIC CONTROL PLAN

Posted Speed Limit (M.P.H.)	Sign Spacing (D) (feet)	Taper Length (T) (feet)		Longitudinal Buffer Space (B) (feet)	Spacing of cones or delineators (feet)		
		* W=12' or Less	* W= Greater than 12'		Taper	Tangent	Work Area
20	250	200	Wx17	35	20	20	10
25	250	200	Wx17	55	25	25	10
30	250	250	Wx20	85	30	30	10
35	250	250	Wx20	120	35	35	10
40	500	350	Wx30	170	40	40	10
45	500	550	Wx45	220	45	45	10
50	1000	600	Wx50	280	50	50	10
55	1000	700	Wx55	335	55	55	10
60	1000	1000	1000	500	60	60	10

* W= width of lane, shoulder, or offset

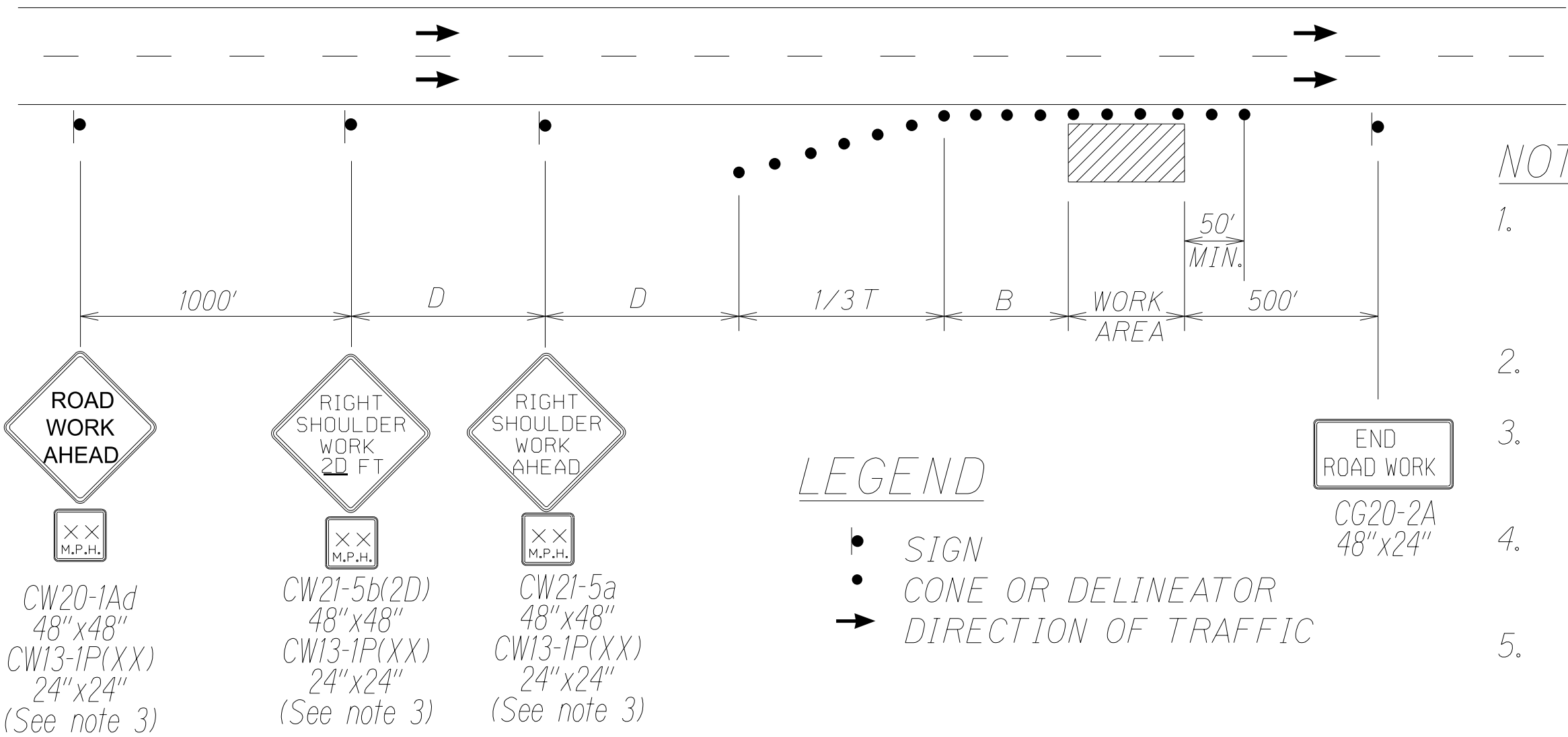


FIGURE 1 - SHOULDER CLOSURE ON FREEWAY

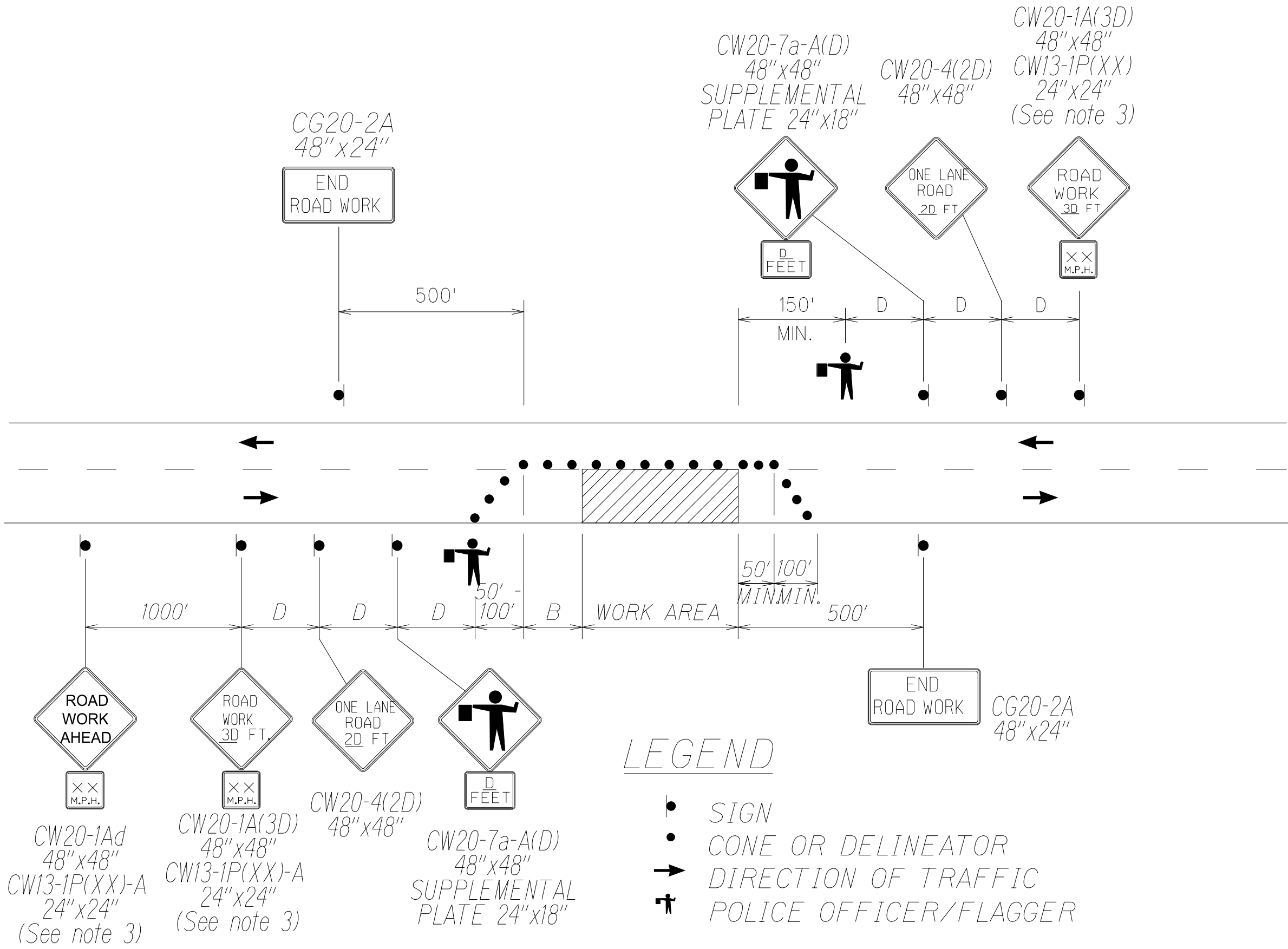


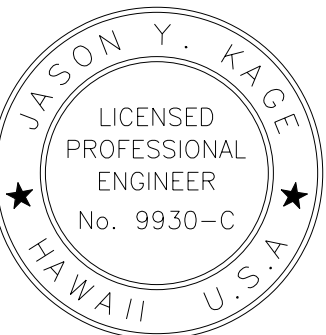
FIGURE 2 - LANE CLOSURE ON TWO-LANE ROAD

NOTES:

- See TABLE 1 for additional dimensions.
- ONE LANE ROAD (CW20-4) and FLAGGER AHEAD (CW20-7) signs shall be removed or covered when no work is being performed and lane is not closed.
- Engineer will determine if advisory speed sign is necessary.

NOTES:

- This plan may be used only if all road work, including equipment and workers are off the travel way.
- See TABLE 1 for additional dimensions.
- Engineer will determine if advisory speed sign is necessary.
- Contractor will provide necessary adjustments to accomodate Bicyclists and Pedestrians.
- Signing is not required if the work area, including equipment and workers, is outside the clear zone distance, as specified in the latest AASHTO Roadside Design Guide.



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Jason Y. Kage
JACOBSON ENGINEERING GROUP INC.
LICENSE EXPIRES 04-30-24

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
NOTES & DETAILS

INTERSTATE ROUTE HI (EB) IMPROVEMENTS
Ola Lane Overpass to Likelike Hwy Off-Ramp
Project No. NH-HI-K280)

Scale: Not to Scale Date: Dec 2022

SHEET No. TC001 OF 5 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-HI-1(280)	2023	193	466

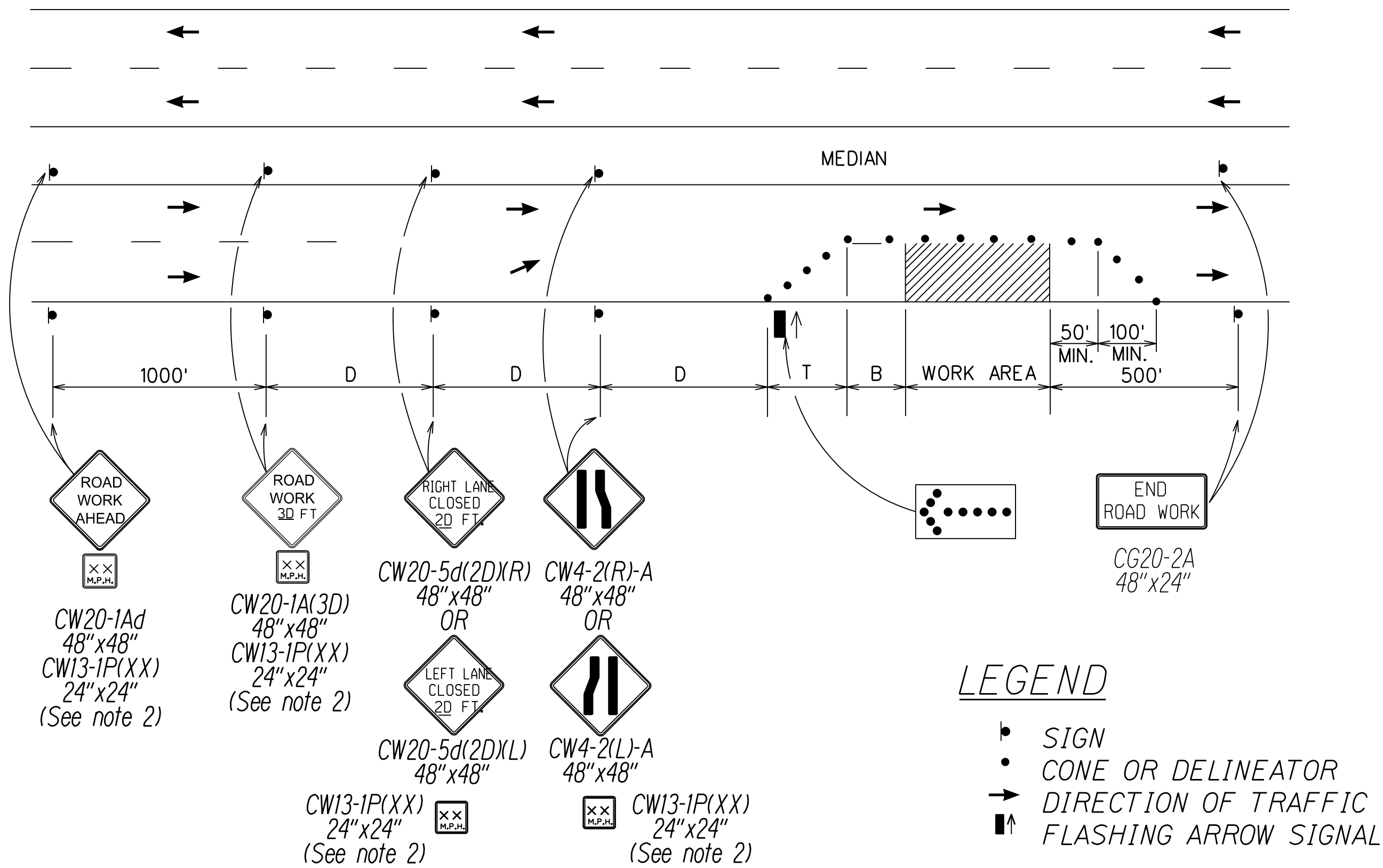


FIGURE 3 - ONE-LANE CLOSURE ON MULTILANE DIVIDED HIGHWAY

NOTES:

1. See TABLE 1 on Sheet TC0.01 for additional dimensions.
2. The advisory speed (XX) shall be determined by the Engineer. Advisory speed signs shall be removed or covered when no lane closures are in place. If advisory speed used, existing posted speed limit signs shall be covered during lane closures.
3. For work being performed in the left lane, use mirror image of above with appropriate left lane closure signs and taper.

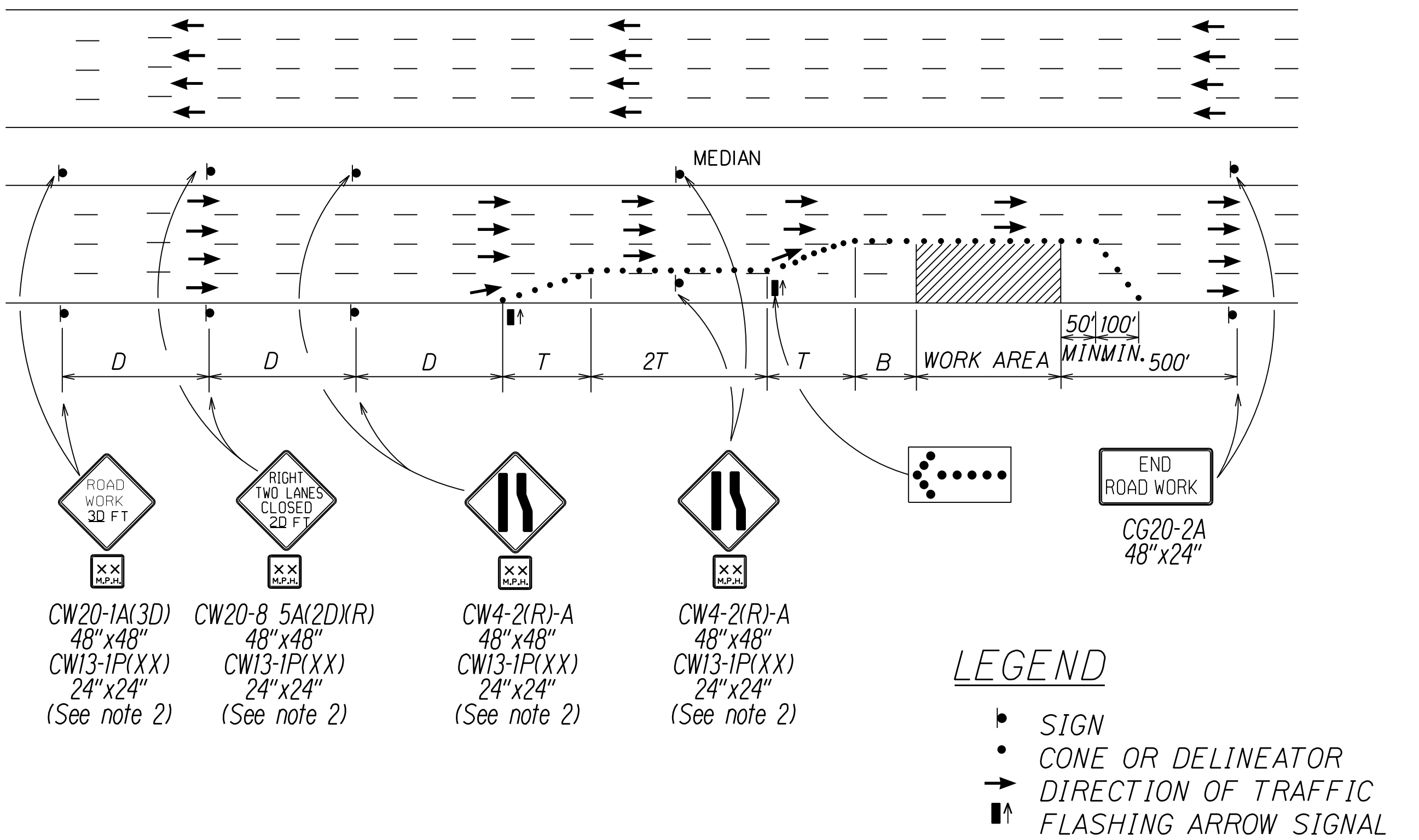
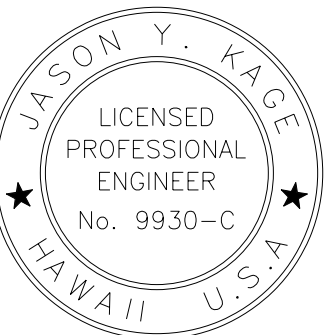


FIGURE 4 - TWO-LANE CLOSURE ON MULTILANE DIVIDED HIGHWAY

NOTES:

1. For undivided highways, delete advance warning signs shown posted in median area.
2. The advisory speed (XX) shall be determined by the Engineer. Advisory speed signs shall be removed or covered when no lane closures are in place. If advisory speed used, existing posted speed limit signs shall be covered during lane closures.
3. See TABLE 1 on sheet TC0.01 for additional dimensions.
4. For work being performed in the left two lanes, use mirror image of above with appropriate left lane closure signs and taper.



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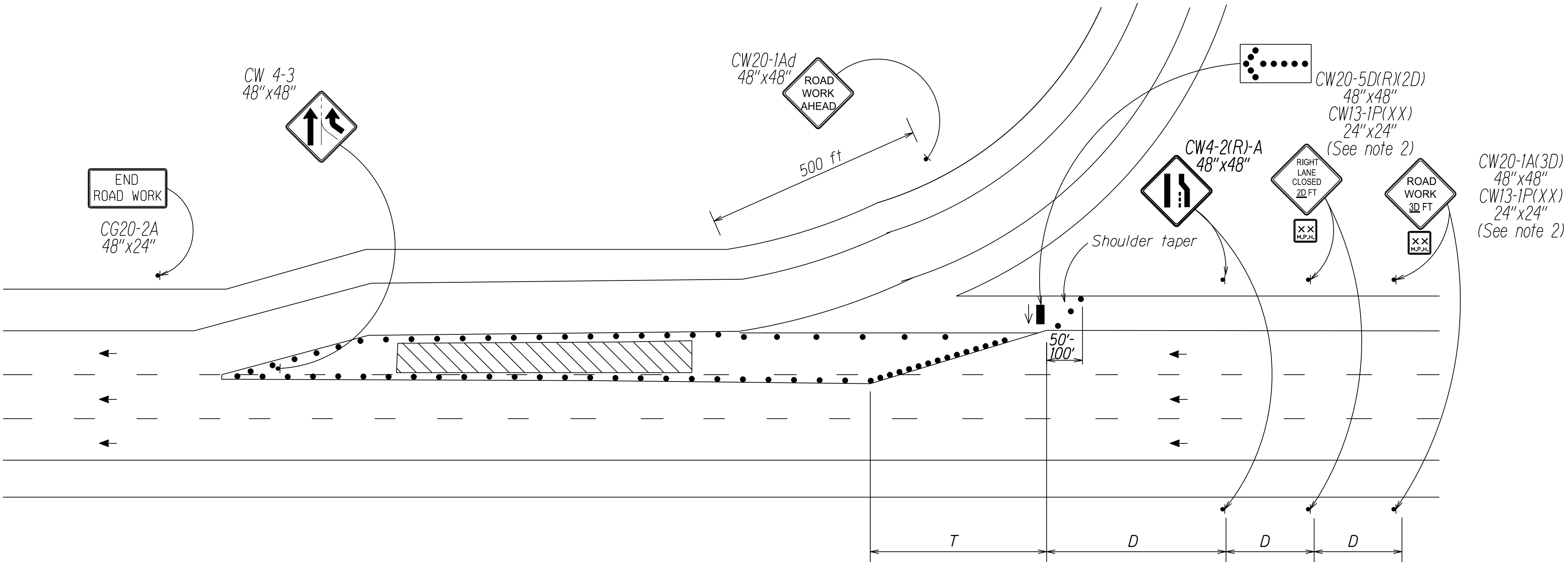
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SHEET No. TC0.02 OF 5 SHEETS

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LEGEND

- SIGN
- CONE OR DELINEATOR
- DIRECTION OF TRAFFIC
- ▮ FLASHING ARROW SIGNAL

FIGURE 5 - ENTRANCE RAMP WORK

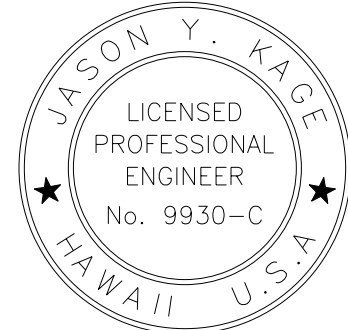
NOTES:

1. See TABLE 1 on sheet TC0.01 for additional dimensions.
2. The advisory speed (XX) shall be determined by the Engineer.

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

DRAWING NAME: 419596_TrafficControlPlans-03.dgn

PLOT TIME: 27-FEB-2023 11:12



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SHEET No. TC0.03 OF 5 SHEETS

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DESIGNER NOTES

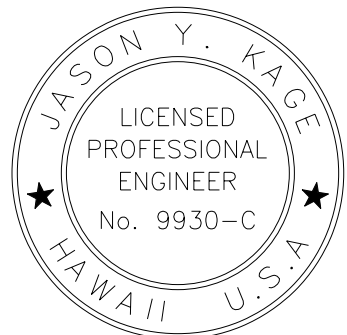
- The Designer shall replace all XX, YY & D references with appropriate speed limit as indicated in Table I.
- Speed Limit YY shall be the existing posted speed.

WORK ZONE NOTES

- 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.
- All existing regulatory speed limit signs with posts within the work zone/project limits shall be covered. Work zone speed limit sign assemblies R2-1(XX)-A and CW3-5(XX)-A with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs shall be displayed during lane closure hours.
- Upon the removal of the lane closure, all work zone speed limit signs shall be covered and existing speed limit signs within the work zone/project limits shall be restored.
- Construction signs shall be installed on both the approaching and trailing ends of each work zone.
- Each construction sign shall have a minimum of two (2) Type II OM. Installation of each Type II OM shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.
- All work zone speed sign assembly shall be mounted on three (3) 4.00 lb./ft. galvanized flanged channel sign posts with a sign clearance height of five (5) feet. Sign stiffeners as specified by Standard Plan Sheet TE-02 shall be installed as needed or as directed by the Engineer.
- The daily covering and uncovering of existing regulatory speed limit signs along with the installation, maintenance, removal and daily covering and uncovering of work zone speed limit sign assemblies shall be considered incidental to Item No. 621.7100, Construction Sign with Posts.

TABLE I
GUIDELINE FOR ADVANCE PLACEMENT OF
SPEED REDUCTION SIGN CW3-5(XX)-A,
CONSTRUCTION AREA SPEED LIMIT

Existing Posted Speed Limit (M.P.H.)	XX-New Construction Area Speed Limit (M.P.H.)	D-Reduced Speed Limit Sign Spacing to First Construction Area Speed Limit Sign (Feet)
40	30	175
45	35	225
50	40	225
55	45	300
60	50	300



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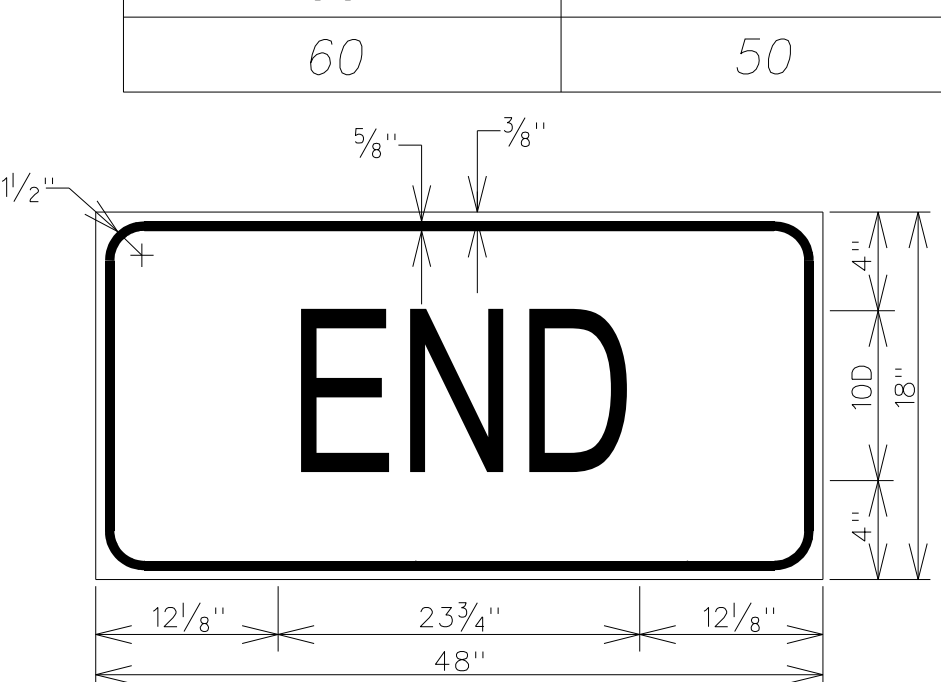
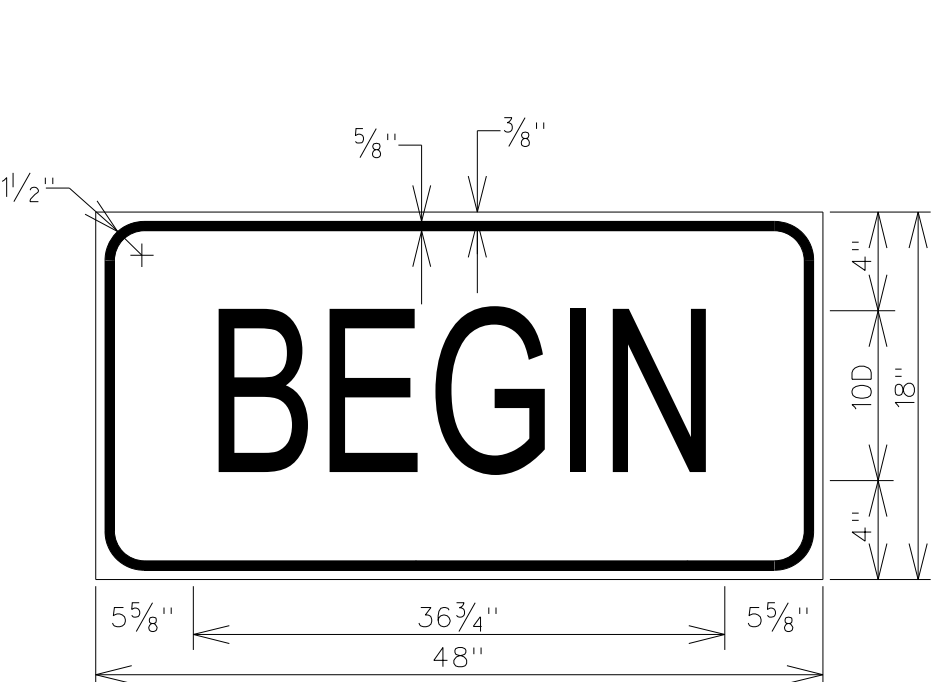
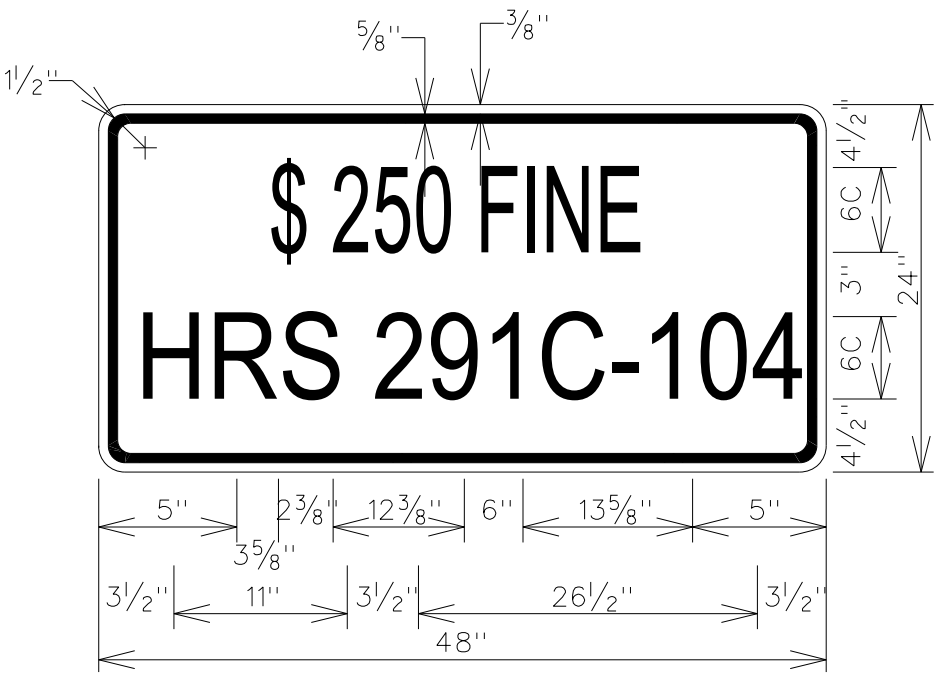
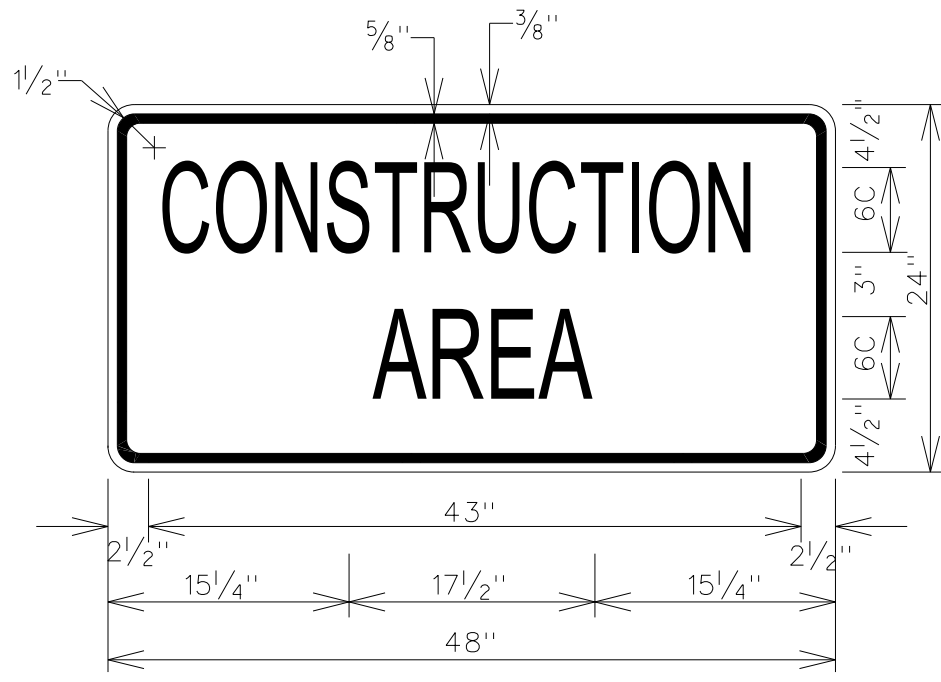
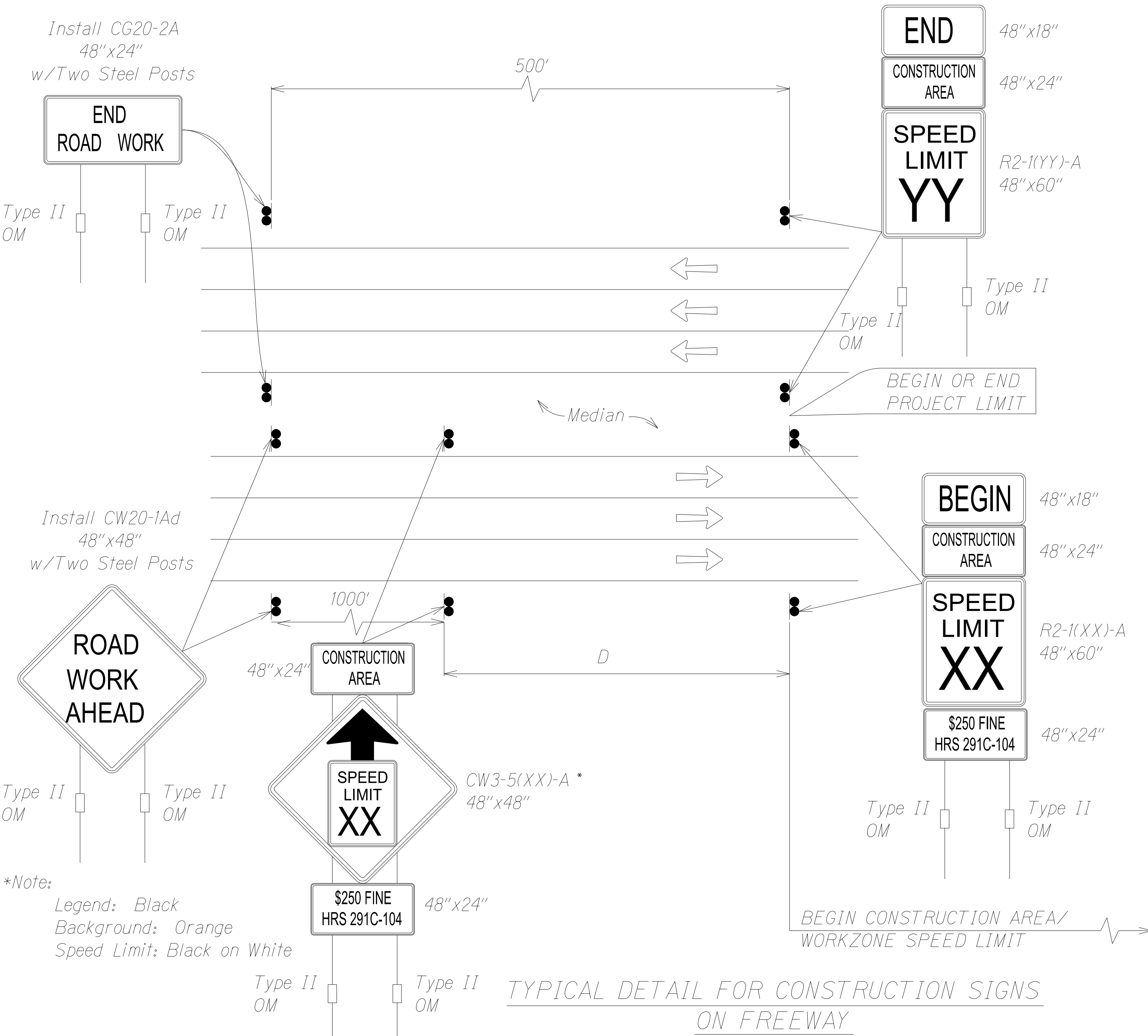
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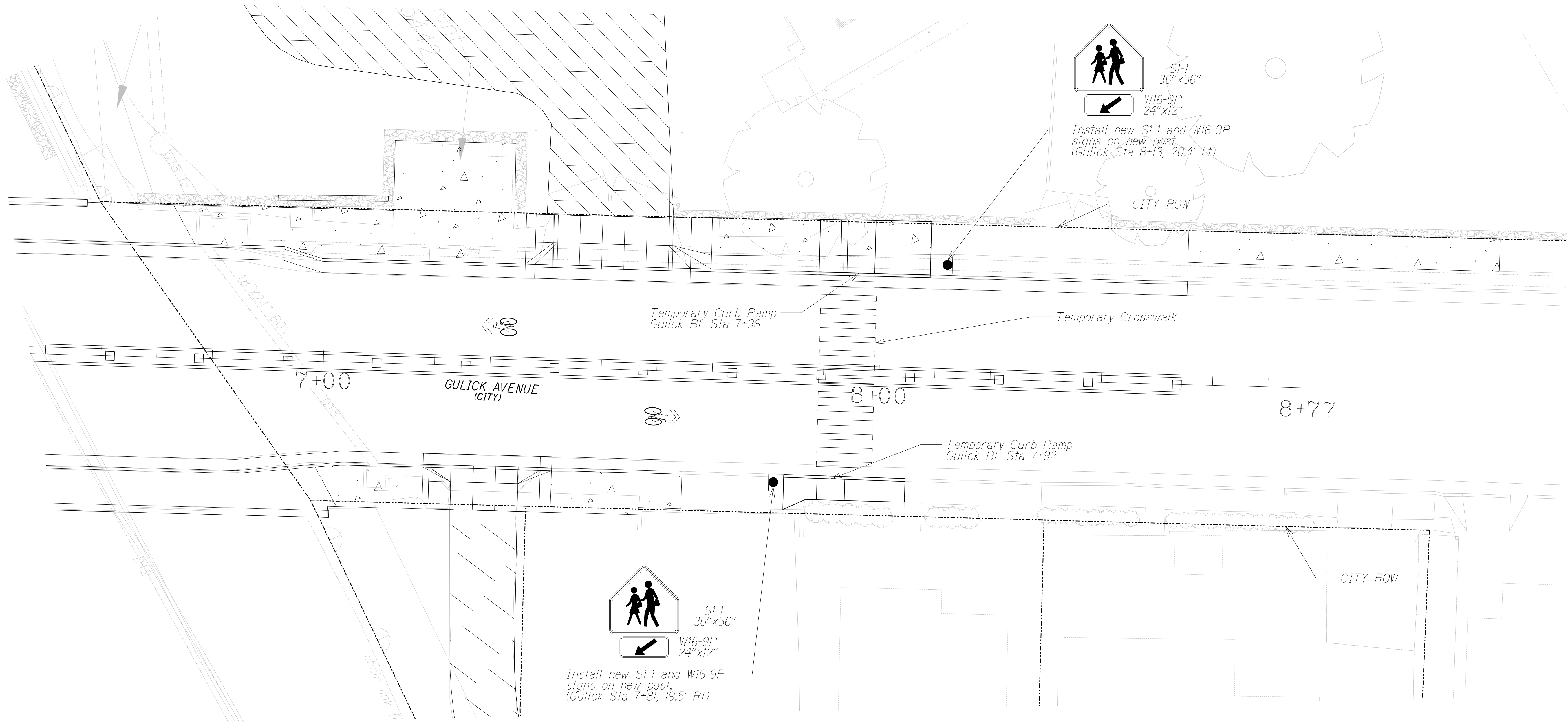
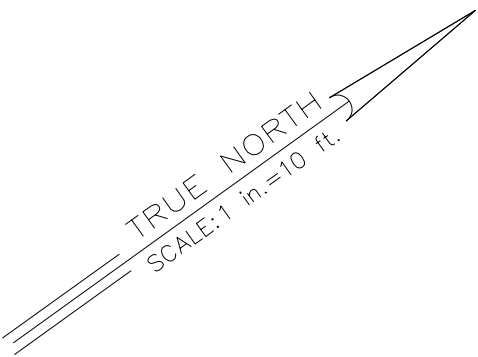
SHEET No. TC004 OF 5 SHEETS



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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
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	CHECKED BY	
	NO.	

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PLAN
Scale: 1" = 10'

APPROVED: _____
CHIEF, TRAFFIC REVIEW BRANCH, DPP DATE

APPROVED: _____
CHIEF, CIVIL ENGINEER BRANCH, DPP DATE



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