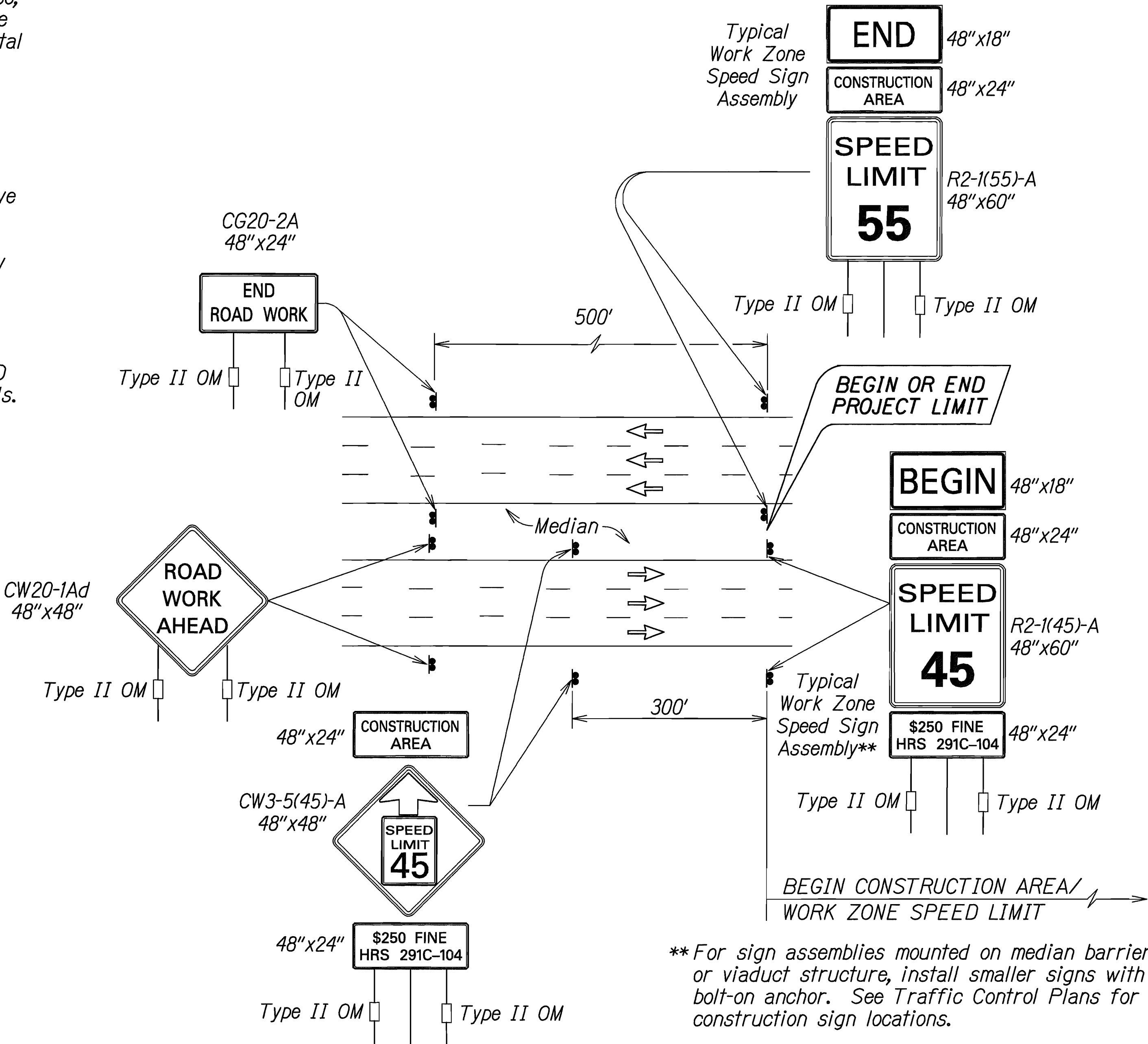
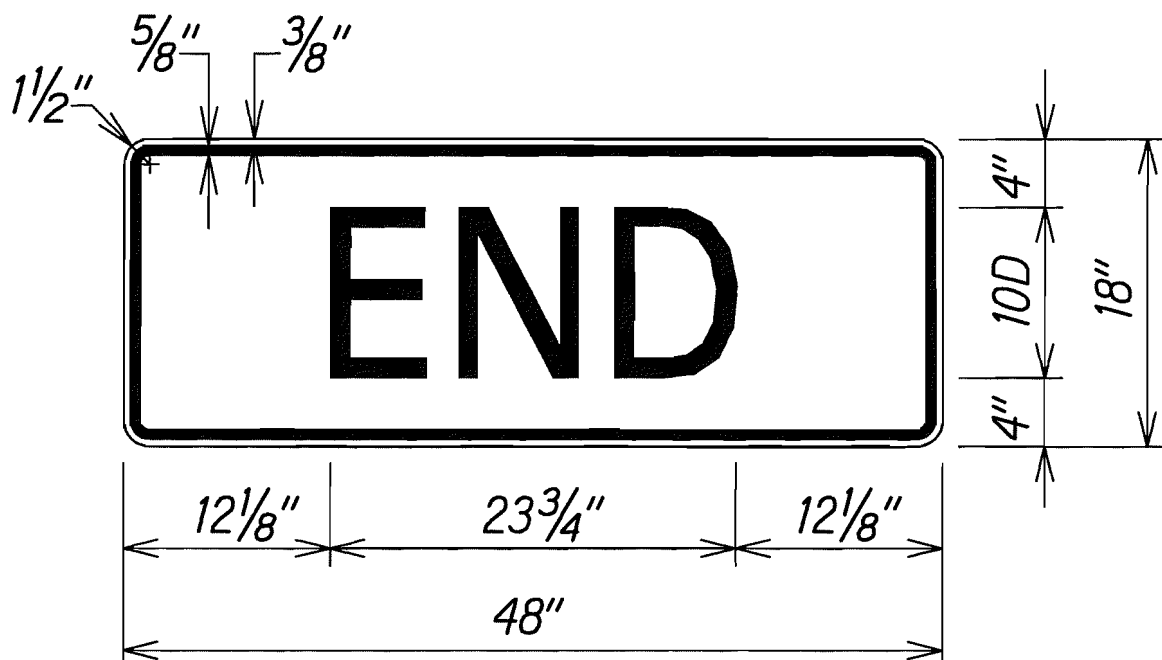
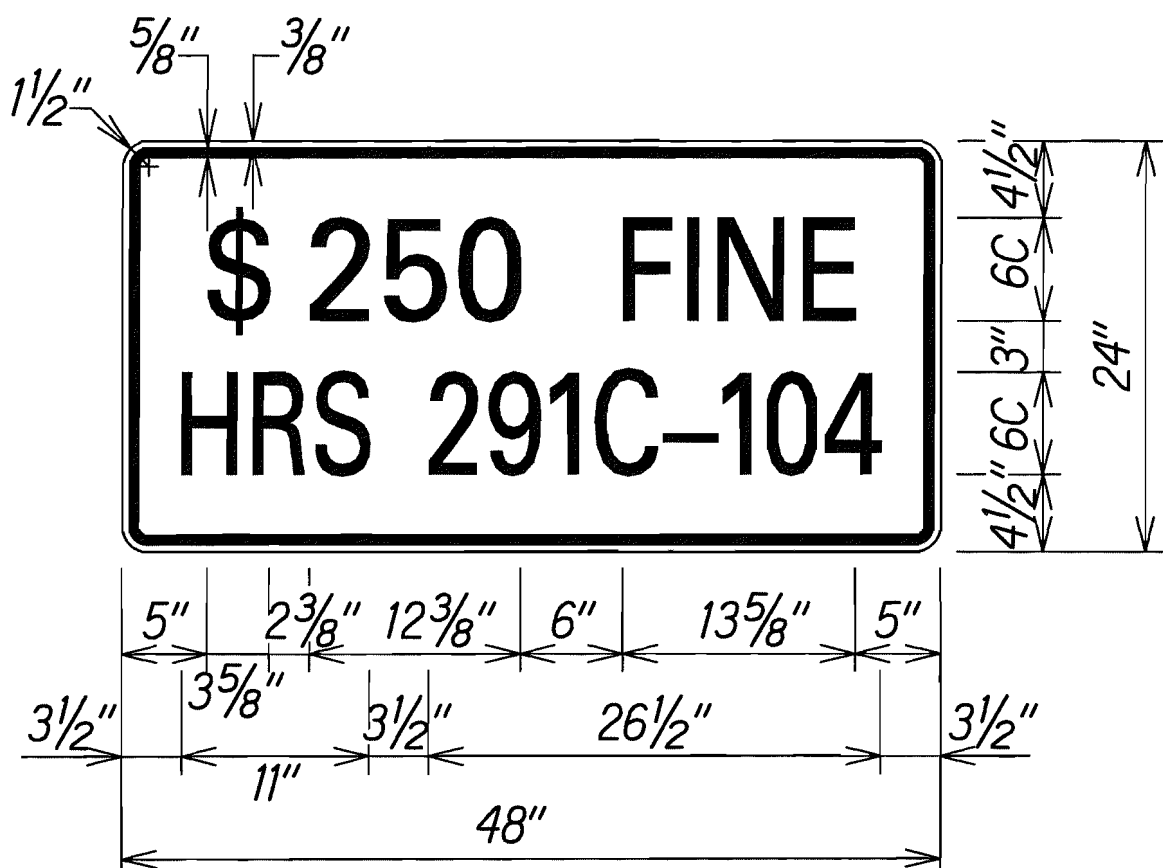
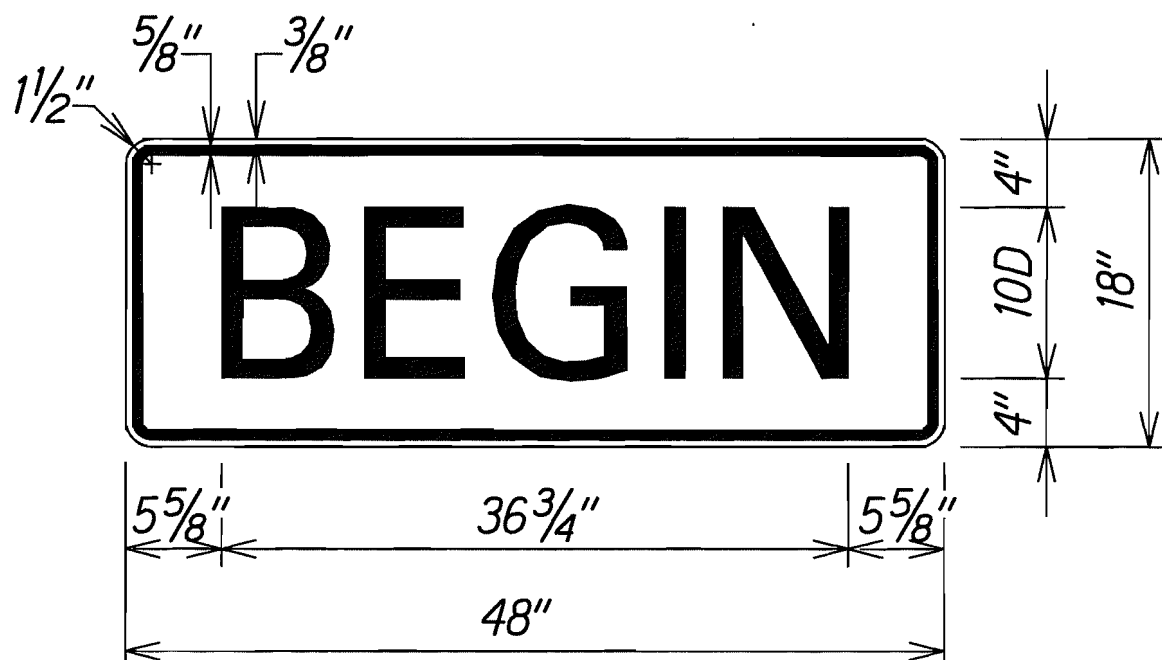
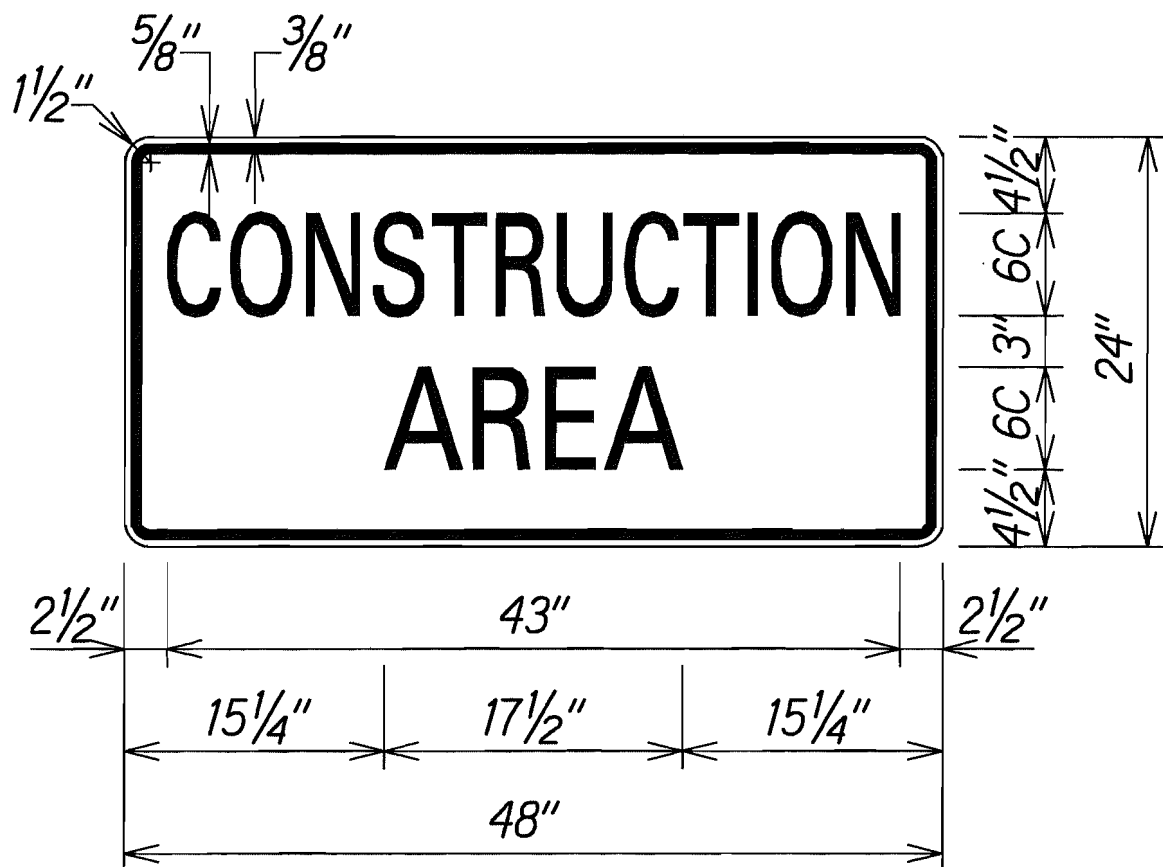


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-11	2012	36	43

Work Zone Note:

1. All existing regulatory speed limit signs within the work zone/project limits shall be covered and work zone speed limit sign assemblies (R2-1(45)-A and R2-5b(45)-A with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs) shall be displayed during lane closure hours.
2. Upon 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.
3. Construction signs shall be installed on both the approaching and trailing ends of each work zone.
4. Each construction 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. All work zone speed sign assembly shall be mounted on three (3) 4.00 lbs./ft. galvanized flanged channel sign posts with a sign clearance height of five (5) feet. Sign stiffeners as specified by Standard Plan Sheet TE-02A shall be installed as needed or as directed by the Engineer.
6. 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. 645.1000-Traffic Control.
7. All work zone signs shall have the project number and Contractor's name on the back of the sign in 1½" high letters, black paint.
8. All traffic cones, delineators, and barrels, etc. shall have retroreflective bands.
9. Provide 2 off duty police officers and vehicles at every on-ramp and off-ramp. Payment shall be incidental to Item No. 645.1000-Traffic Control and will not be paid under additional police officers (F.A.).
10. All cones shall be retroreflective as required by MUTCD and be a min. of 28" high & weigh a minimum 10 pounds.



**For sign assemblies mounted on median barrier or viaduct structure, install smaller signs with bolt-on anchor. See Traffic Control Plans for construction sign locations.

TYPICAL DETAIL FOR CONSTRUCTION SIGNS
ON FREEWAY

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *Gerald Andrade* 04/30/14
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FREEWAY WORK ZONE SIGNING
PLAN, NOTES & DETAILS

MISCELLANEOUS PERMANENT BEST
MANAGEMENT PRACTICES ON OAHU
PROJECT NO. HWY-0-02-11

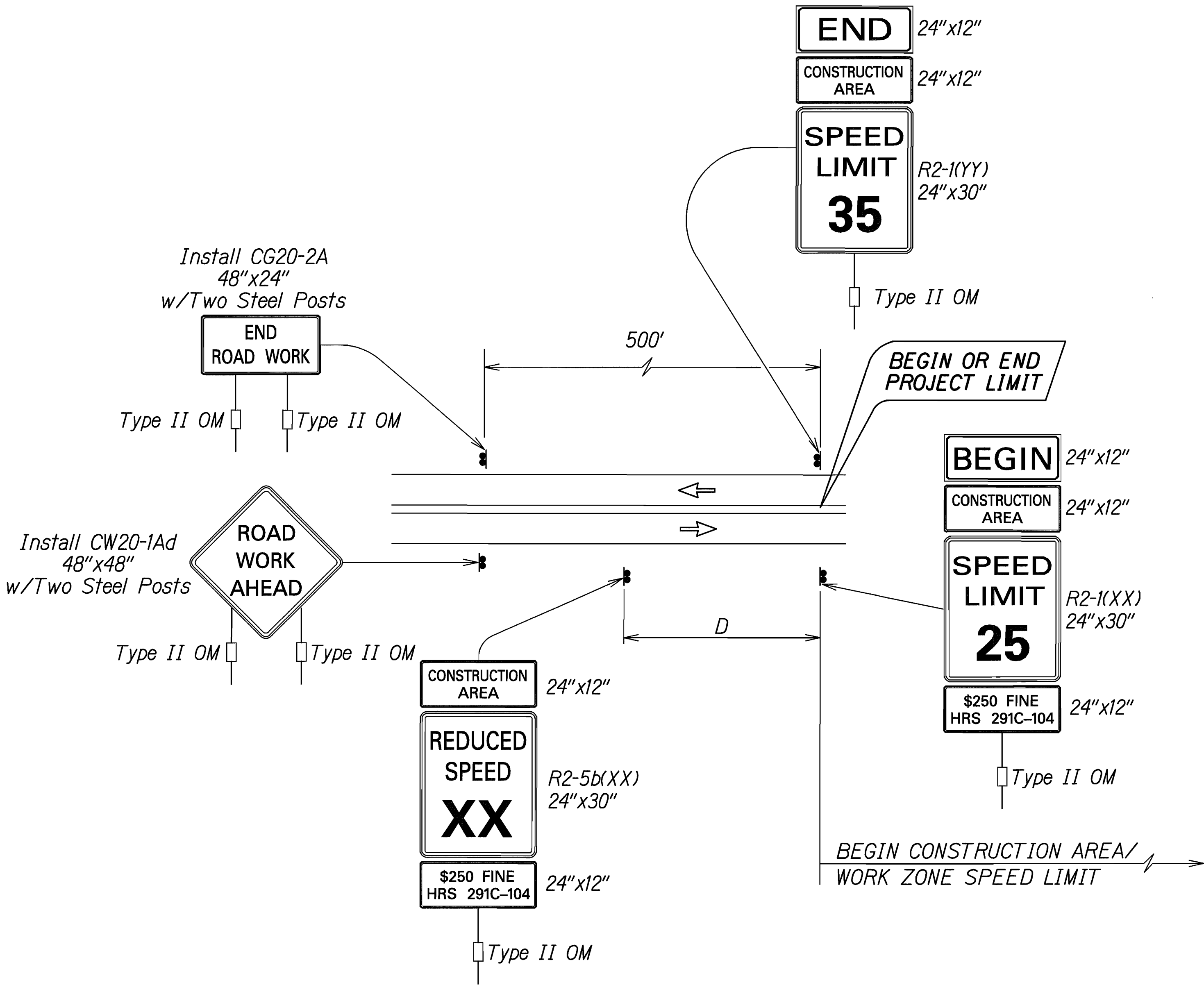
Scale: None Date: May, 2012

SHEET No. TCP-1 OF 8 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
NOTED BY	
CHECKED BY	
IN CHARGE	

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FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-11	2012	37	43



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

Designer Note:

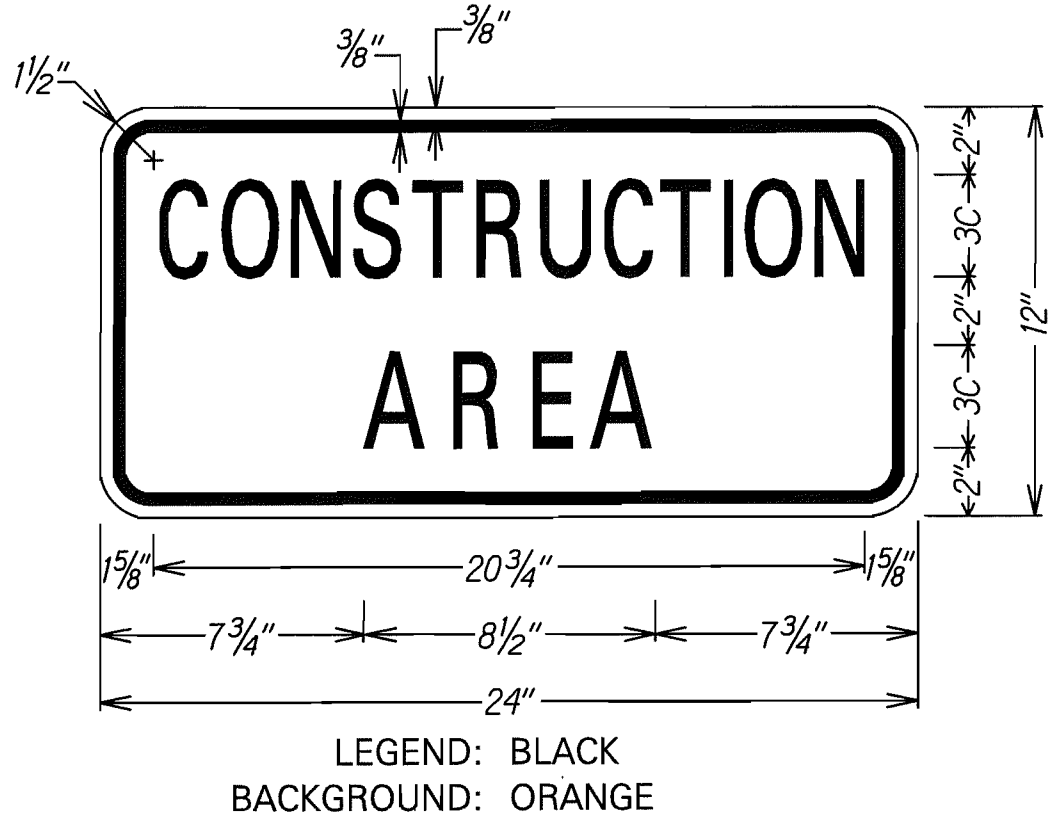
1. This Work Zone Signing Plan shall be used only for low speed highways (design speeds of 45 mph or less).
2. The Designer shall replace all XX, YY & D references with appropriate speed limit as indicated in Table I.
3. Speed Limit YY shall be the existing posted speed.

Work Zone Note:

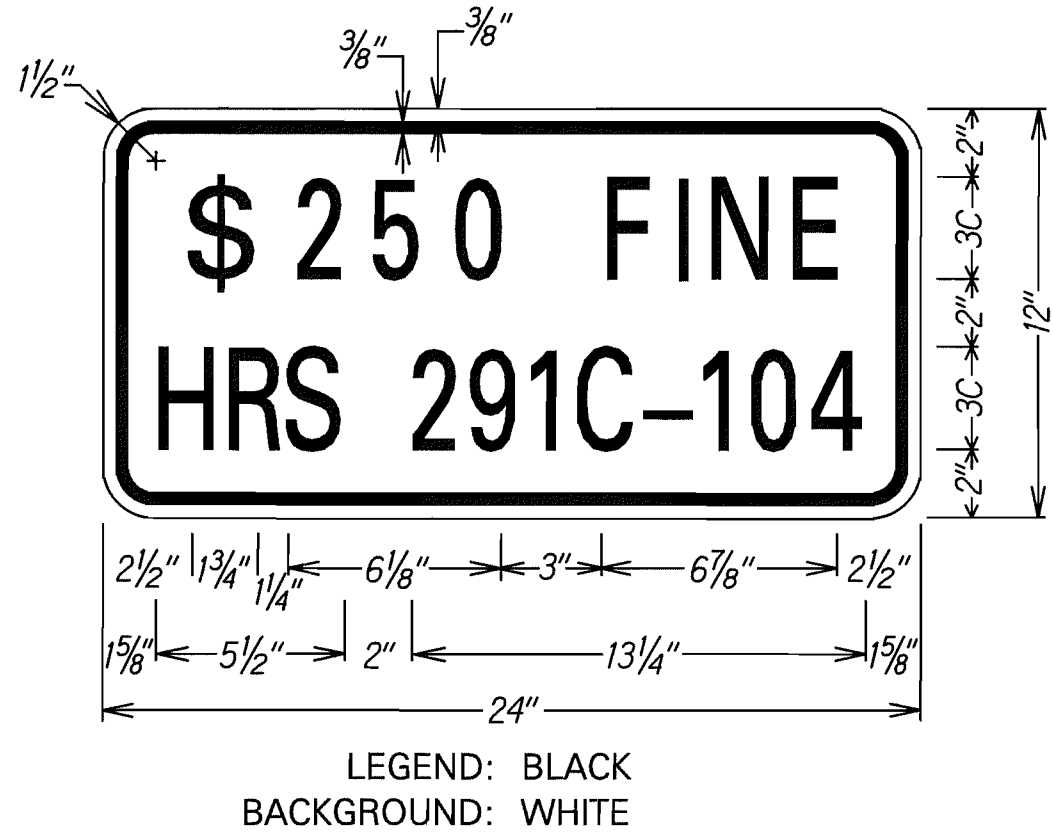
1. This Work Zone Sign Plan is intended for use on long-term stationary work zones/construction phases (3 days or more). All work zones or construction phases less than 3 days duration will use Traffic Control Plans shown in Section 645 of the Special Provisions.
2. All existing regulatory speed limit 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. 621.7100, Construction Sign with Posts.
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 with new posts along with the installation, maintenance and removal 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 R2-5b(XX)-A, CONSTRUCTION AREA SPEED LIMIT		
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

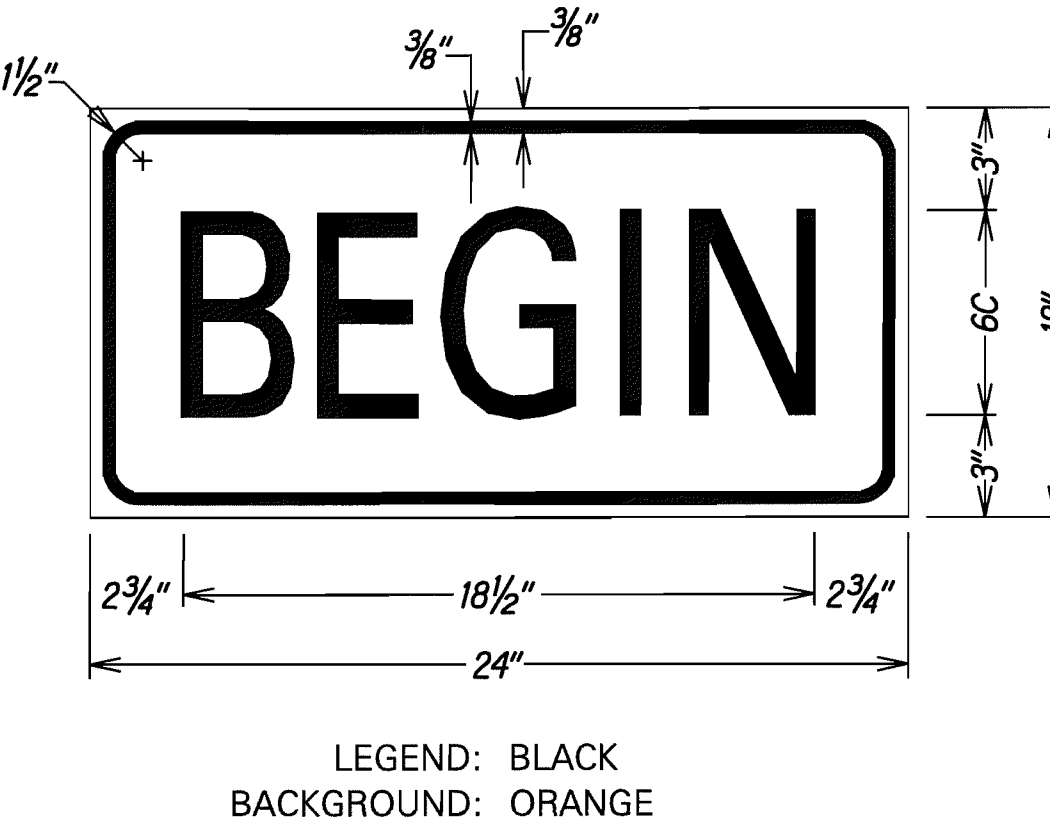
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	



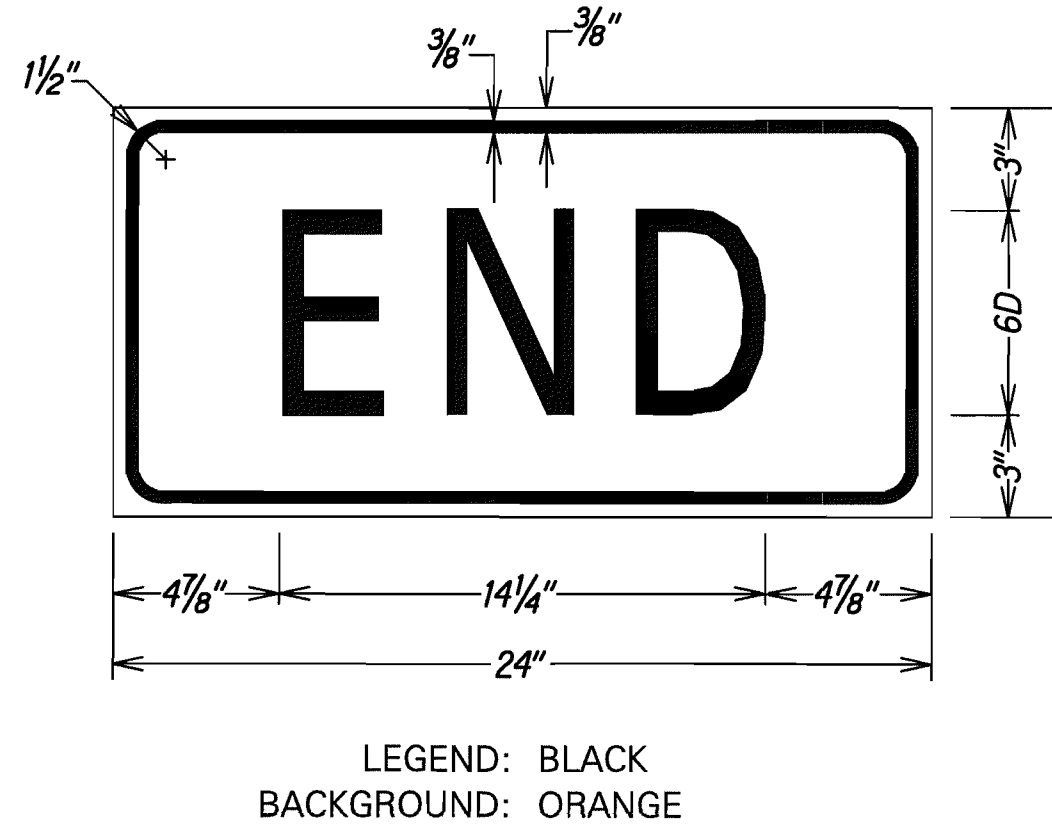
LEGEND: BLACK
BACKGROUND: ORANGE



LEGEND: BLACK
BACKGROUND: WHITE



LEGEND: BLACK
BACKGROUND: ORANGE



LEGEND: BLACK
BACKGROUND: ORANGE

THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION.

Signature: *Gerald D. Andrade*
EXPIRATION DATE OF THE LICENSE: 04/30/14

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LOW SPEED UNDIVIDED HIGHWAY

WORK ZONE SIGNING PLAN, NOTES & DETAILS

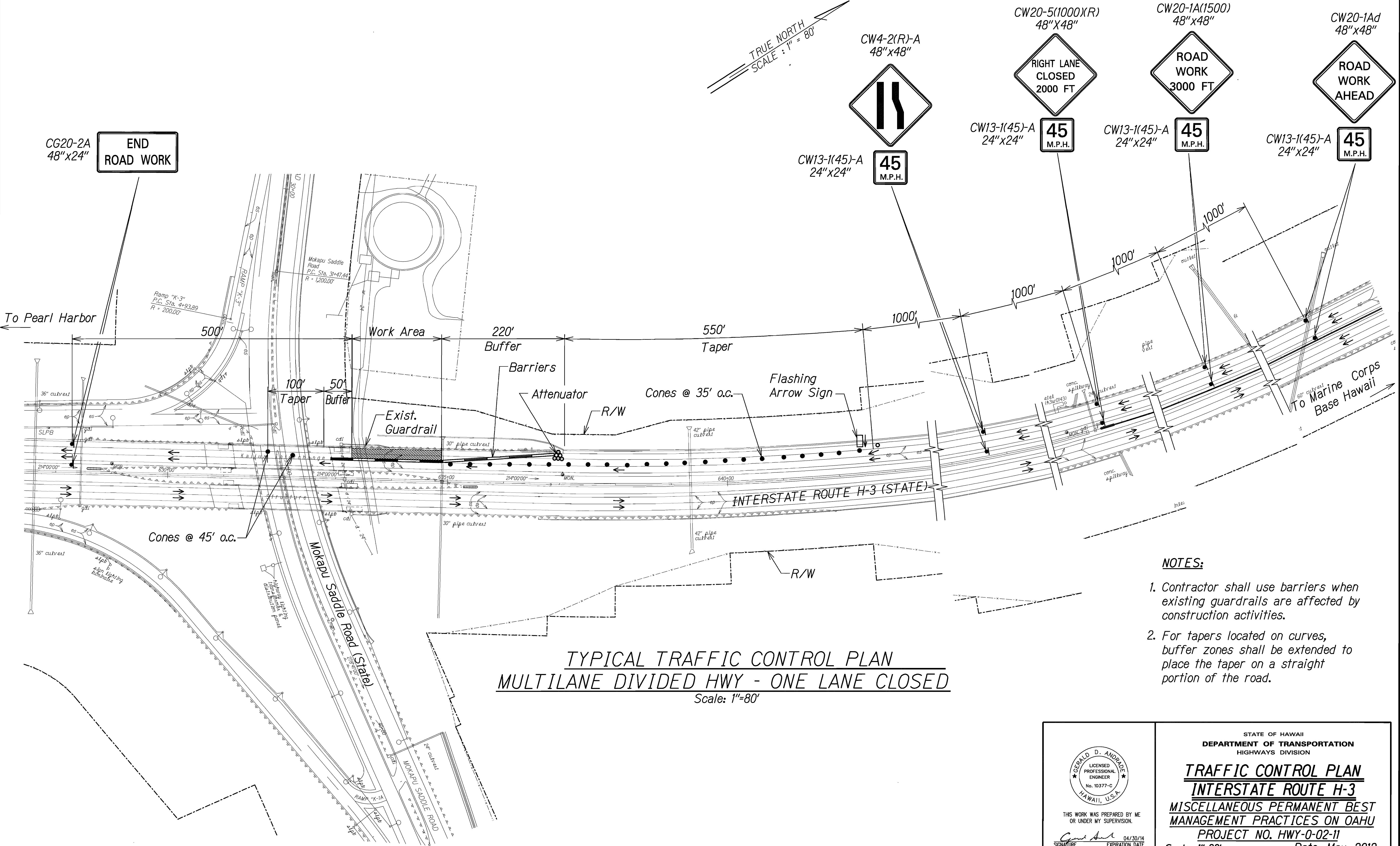
MISCELLANEOUS PERMANENT BEST
MANAGEMENT PRACTICES ON OAHU

PROJECT NO. HWY-0-02-11

Scale: 1"=NTS Date: May, 2012

SHEET No. TCP-2 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-11	2012	38	43



TYPICAL TRAFFIC CONTROL PLAN
MULTILANE DIVIDED HWY - ONE LANE CLOSED
Scale: 1"=80'

- NOTES:**
- Contractor shall use barriers when existing guardrails are affected by construction activities.
 - For tapers located on curves, buffer zones shall be extended to place the taper on a straight portion of the road.

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

T:\16523A-Permanent-BMP\Sheets\Traffic Control\TCP-01 H3.dgn

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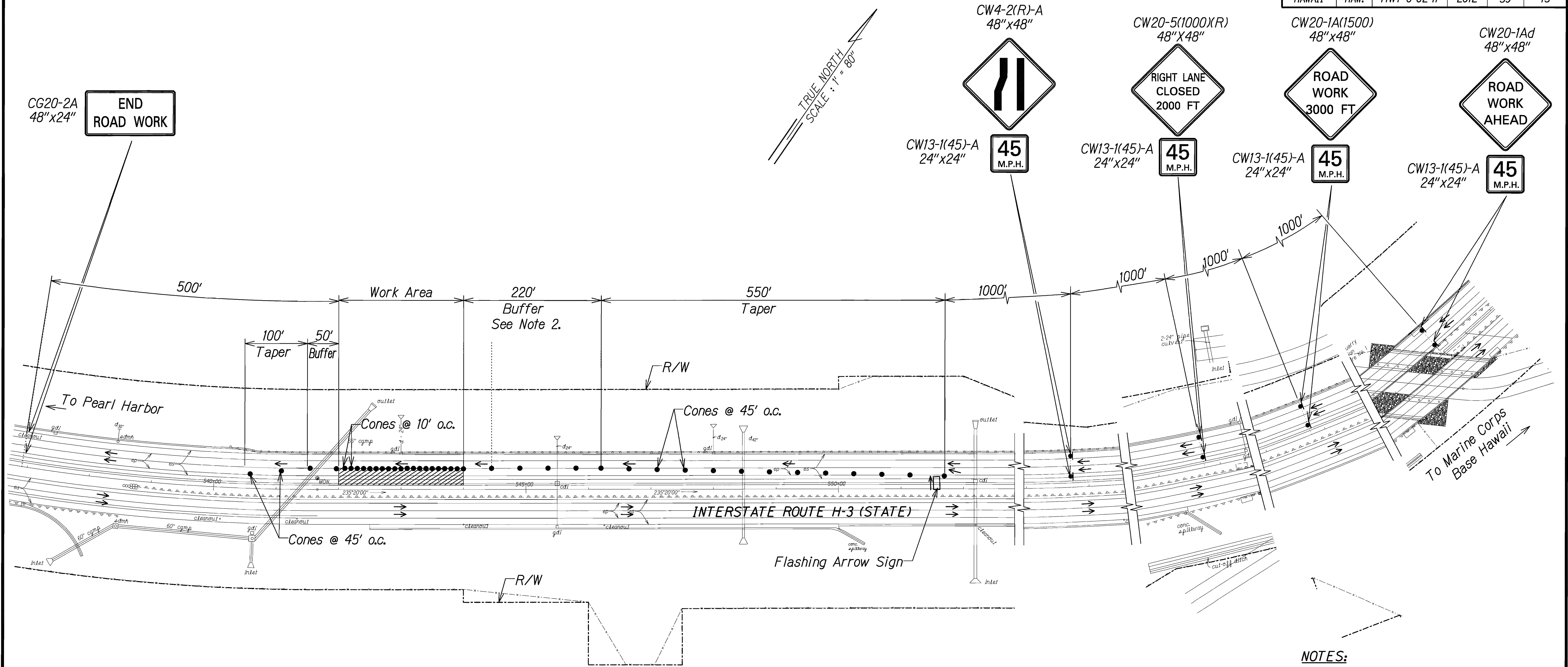
Signature: *Gerald D. Andrade* 04/30/14
EXPIRATION DATE OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
INTERSTATE ROUTE H-3
MISCELLANEOUS PERMANENT BEST
MANAGEMENT PRACTICES ON OAHU
PROJECT NO. HWY-0-02-11
Scale: 1"=80' Date: May, 2012

SHEET No. TCP-3 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-11	2012	39	43



TYPICAL TRAFFIC CONTROL PLAN
MULTILANE DIVIDED HWY - ONE LANE CLOSED
 Scale: 1"=80'

- NOTES:**
- Contractor shall use barriers when existing guardrails are affected by construction activities.
 - For tapers located on curves, buffer zones shall be extended to place the taper on a straight portion of the road.

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

T:\16523A-Permanent BMP\Sheet\Traffic Control\TCP-02-11.dgn

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *Gerald D. Anderson* 04/30/14
 EXPIRATION DATE OF THE LICENSE

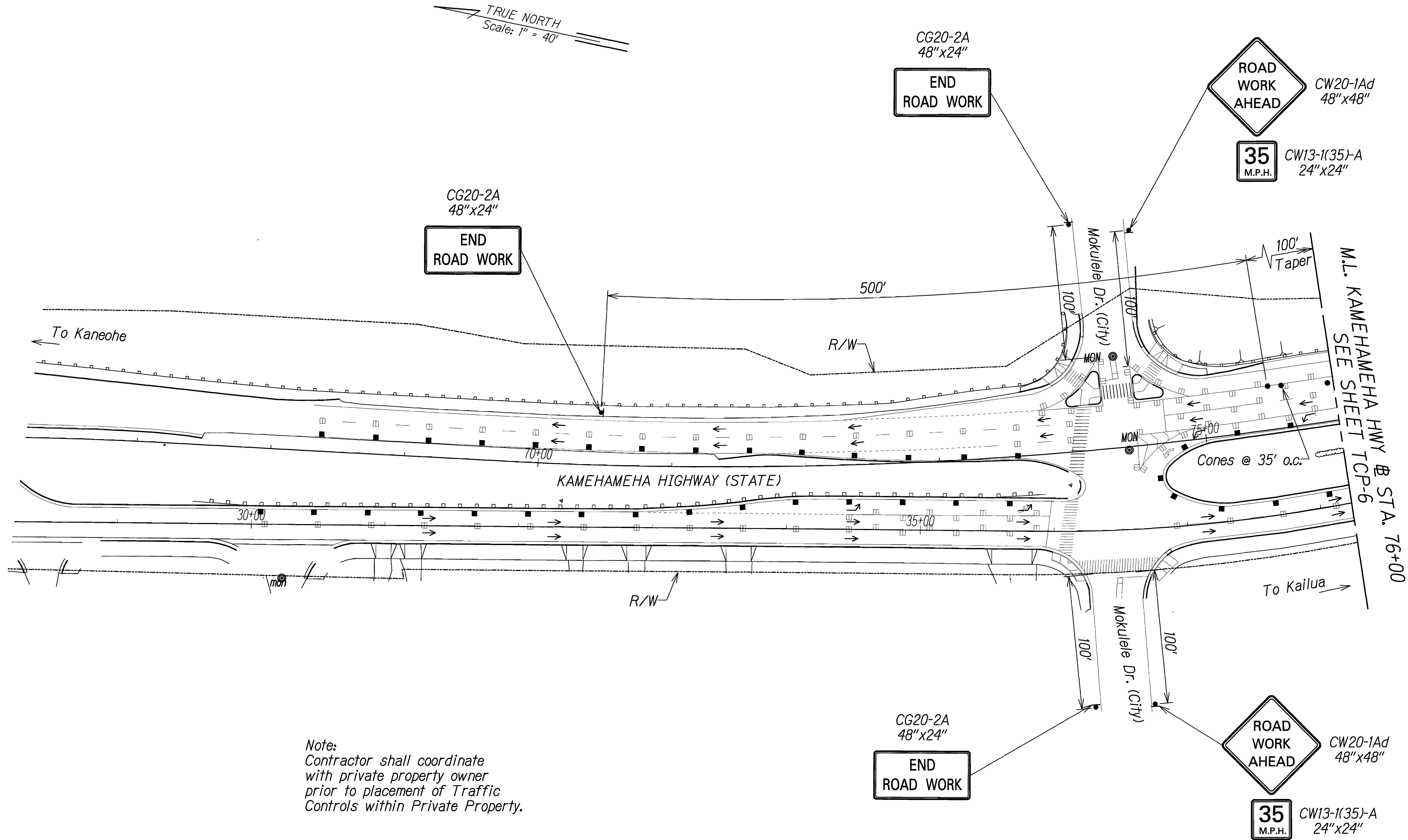
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
INTERSTATE ROUTE H-3
 MISCELLANEOUS PERMANENT BEST
 MANAGEMENT PRACTICES ON OAHU
 PROJECT NO. HWY-0-02-11

Scale: 1"=80' Date: May, 2012

SHEET No. TCP-4 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-11	2012	40	43



DESIGNED BY	DATE
TRACED BY	
NOTE BOOK	
QUANTITIES BY	
CHECKED BY	
No.	

T:\16523A-Permanent BMP/Cadd/Sheets/TCP-01-Kam Hwy.dgn

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OR UNDER MY SUPERVISION.

Gerald D. Andrade
SIGNATURE

04/30/14
EXPIRATION DATE
OF THE LICENSE

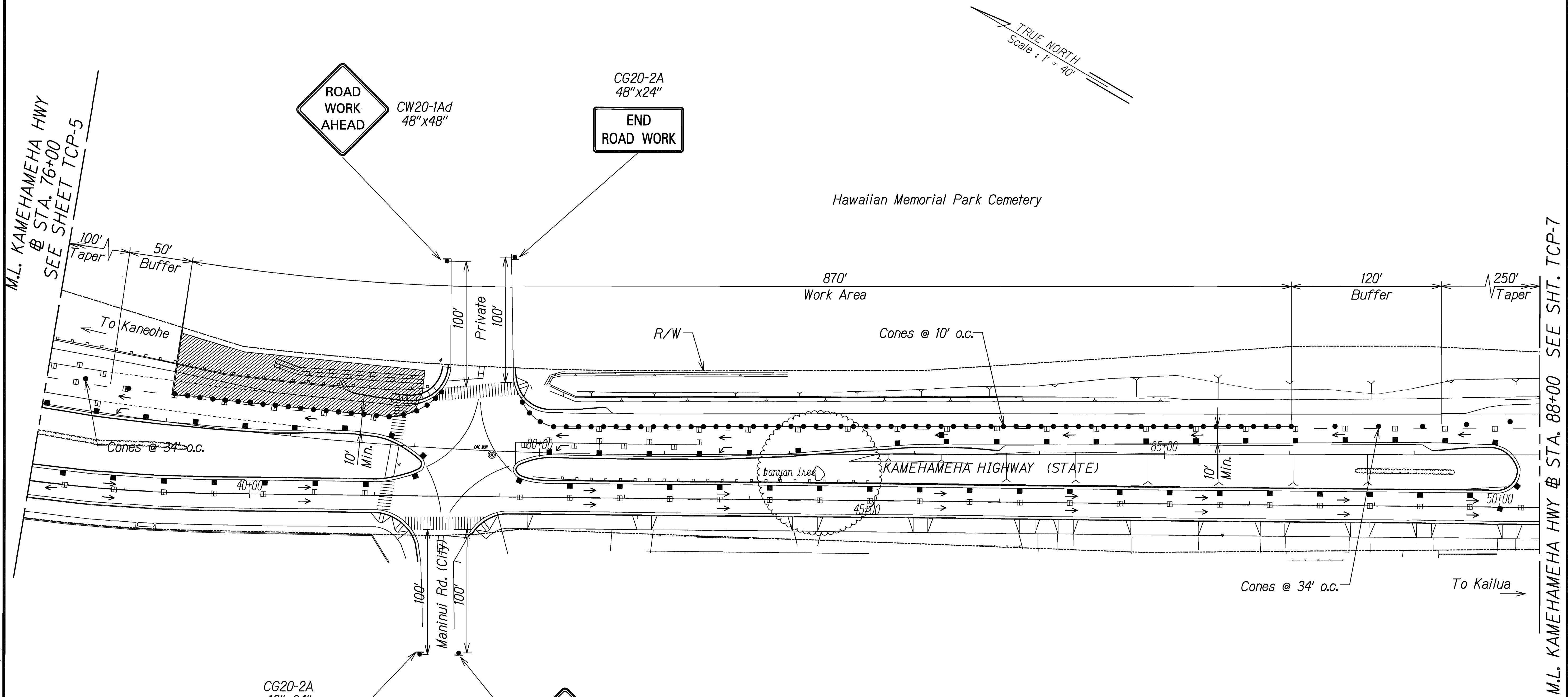
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
KAMEHAMEHA HIGHWAY
MISCELLANEOUS PERMANENT BEST
MANAGEMENT PRACTICES ON OAHU
PROJECT NO. HWY-0-02-11

Scale: 1"=40' Date: May, 2012

SHEET No. TCP-5 OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-02-11	2012	41	43



Note:
Contractor shall coordinate
with private property owner
prior to placement of Traffic
Controls within Private Property.

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

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OR UNDER MY SUPERVISION.

Gerald Andrade
SIGNATURE

04/30/14
EXPIRATION DATE
OF THE LICENSE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN
KAMEHAMEHA HIGHWAY
MISCELLANEOUS PERMANENT BEST
MANAGEMENT PRACTICES ON OAHU
PROJECT NO. HWY-0-02-11
Scale: 1"=40' Date: May, 2012

SHEET No. TCP-6 OF 8 SHEETS

