


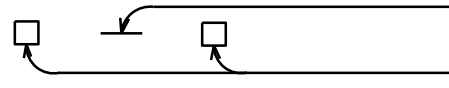
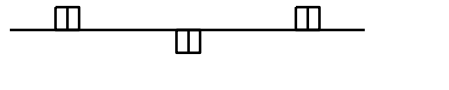



FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-19	2020	18	23

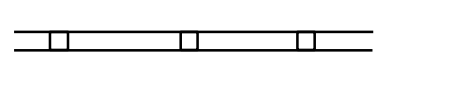
LEGEND













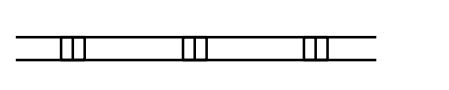











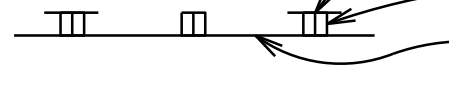





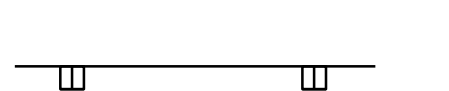






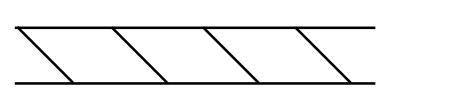

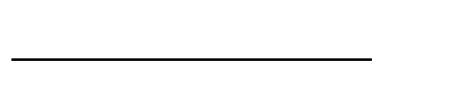















ORIGINAL PLAN

SURVEY PLOTTED BY

DRAWN BY

DESIGNED BY

CHECKED BY

DATE

NOTE BOOK

10/2/2020

NOTES

- Layout of pavement markings and striping shall be done by the Contractor and approved by the Engineer prior to any installation work.
- Existing pavement markings not incorporated in the final traffic pattern shall be removed as directed by the Engineer. Costs shall be incidental to the various pavement marking items.
- Raised pavement markers shall not be installed within crosswalks.
- Final locations of all signs shall be approved by the Engineer prior to any installation work.
- Existing signs not shown on these plans shall remain as posted unless otherwise directed by the Engineer. Removal and disposal of existing signs and/or posts as designated on these plans shall be incidental to the various signing items.
- Final locations of all Stop Lines shall be approved by the Engineer prior to installation.
- All pavement striping shall be as noted on the legend or plans.
- All preformed pavement marking tapes over existing pavement shall be applied with an approved primer as recommended by the tape manufacturer and as approved by the Engineer. The primer shall be allowed to dry to the tacky stage prior to tape application.
- All pedestrian warning signs with supplemental sign shall be on a fluorescent yellow-green retroreflective background with a black legend and border.

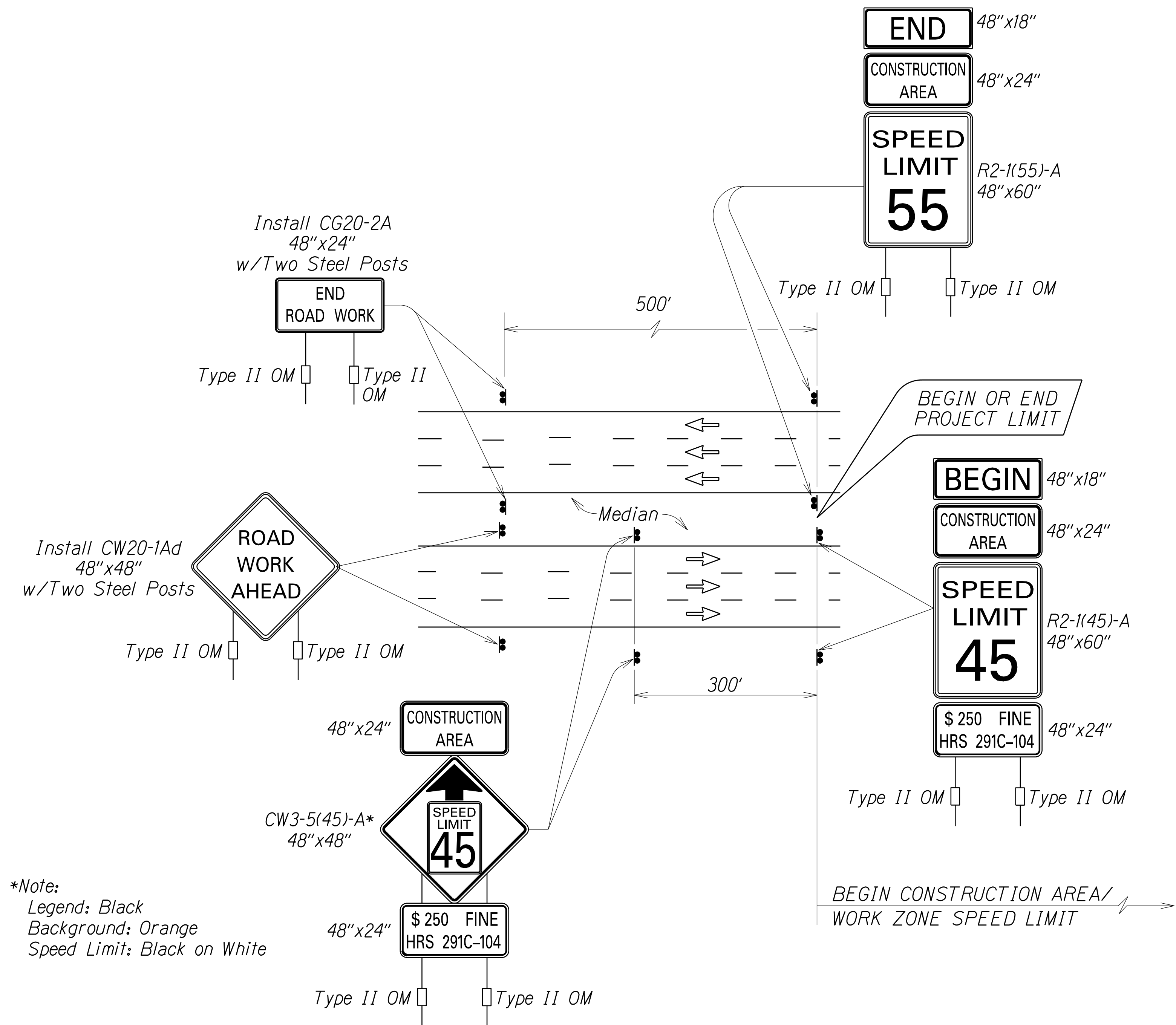
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PAVEMENT MARKING
LEGEND, NOTES & DETAILS

INTERSTATE ROUTE H-2
84-Inch Culvert Restoration at M.P. 2.10
Project No. HWY-0-01-19
Scale: As Noted Date: May, 2020

SHEET No. 11 OF 6 SHEETS

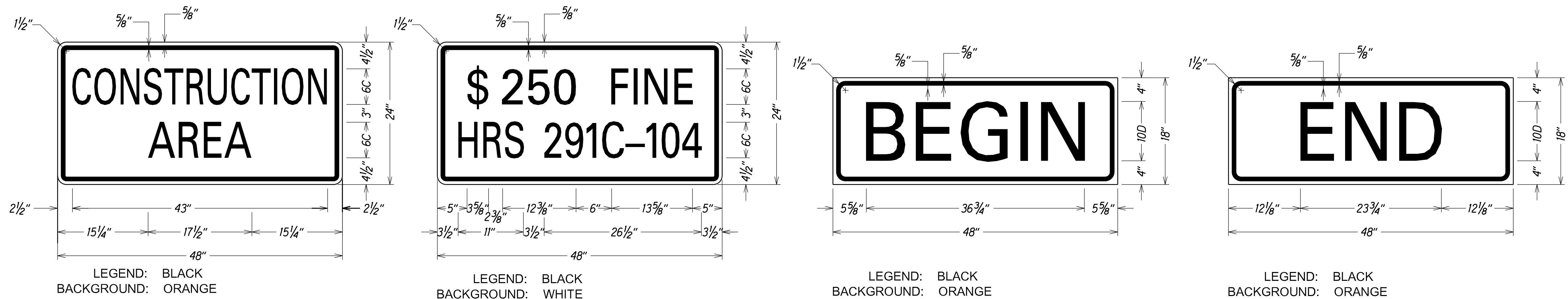
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-19	2020	19	23



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 within the work zone/project limits shall be covered and work zone speed limit sign assemblies (R2-1(45)-A and CW3-5(45)-A with "CONSTRUCTION AREA" and "\$250 FINE HRS 291C-104" Supplemental Signs) shall be displayed during lane closure hours.
3. 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.
4. Construction signs shall be installed on both the approaching and trailing ends of each work zone.
5. 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. 645.0100 - Traffic Control.
6. 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-02 shall be installed as needed or as directed by the Engineer.
7. 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. 645.0100 - Traffic Control.

***Note:**
Legend: Black
Background: Orange
Speed Limit: Black on White



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

FREEWAY WORK ZONE SIGNING

PLAN, NOTES & DETAILS

INTERSTATE ROUTE H-2

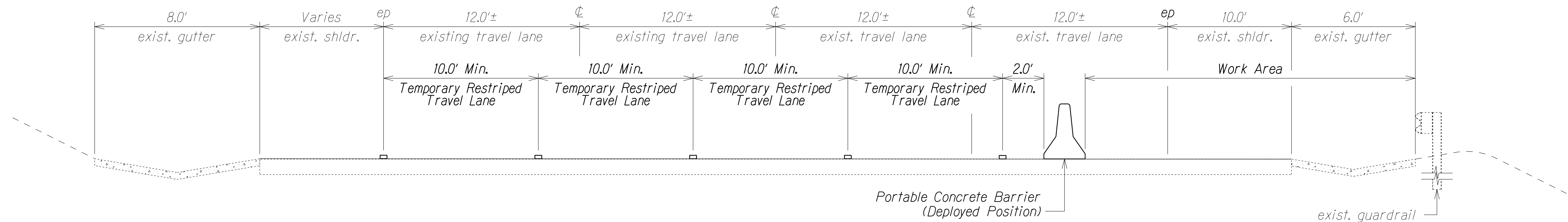
84-Inch Culvert Restoration at M.P. 2.10

Project No. HWY-0-01-19

Scale: Not to Scale Date: May, 2020

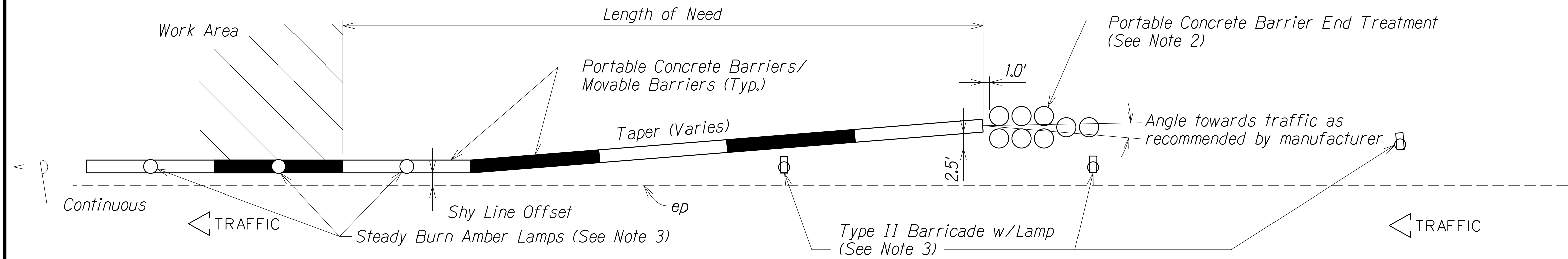
SHEET No. T2 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-19	2020	22	23



TYPICAL - PORTABLE CONCRETE BARRIER POSITION FOR CULVERT WORK DETAIL

Not to Scale



TYPICAL DETAIL - PORTABLE CONCRETE/MOVABLE BARRIER INSTALLATION

Not to Scale

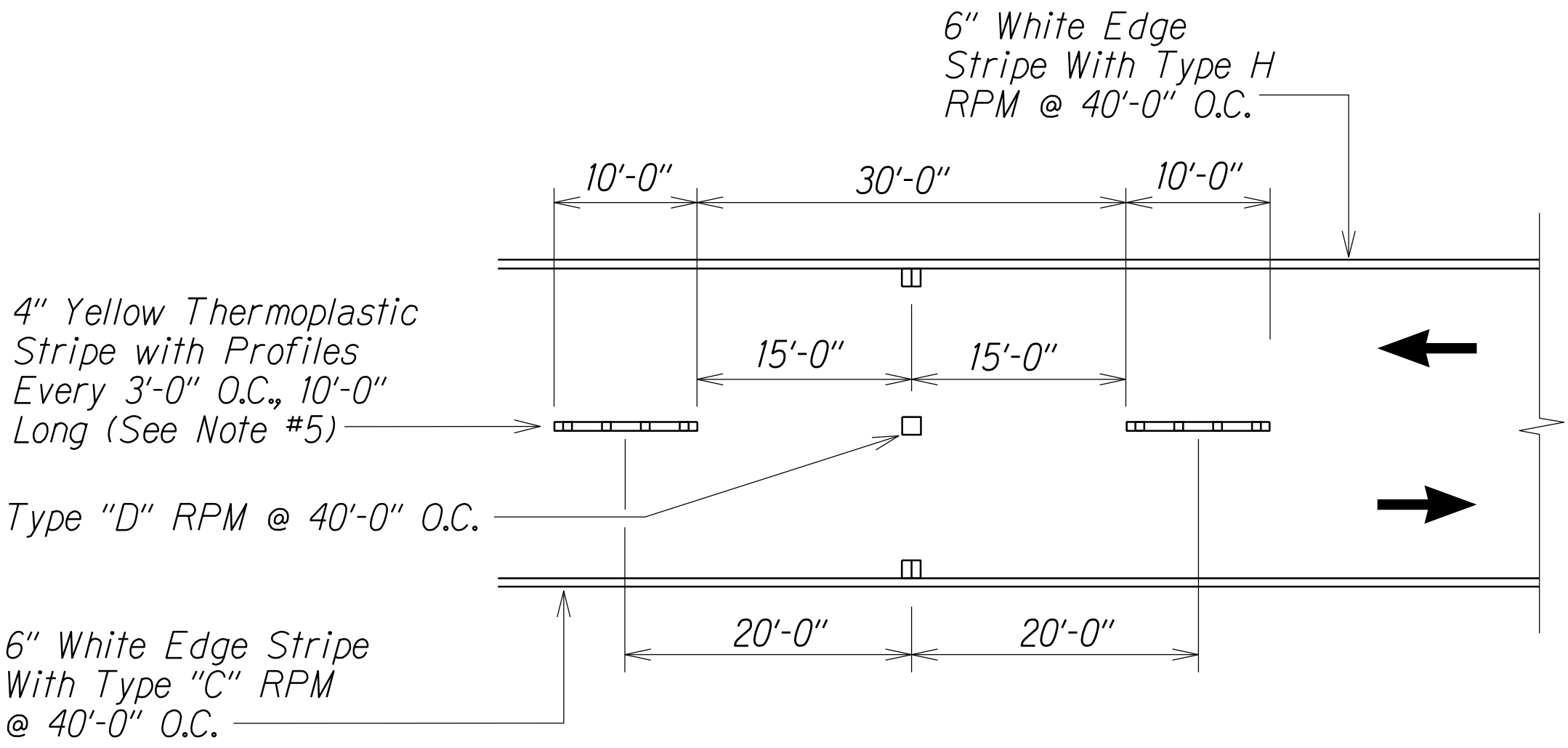
NOTES:

1. Portable Concrete Barrier shall be set to the Deployed Position for the duration of Culvert rail work. The Contractor shall not perform work on bothsides of the structure concurrently.
2. Portable Concrete Barrier End Treatments (QuadGuard CZ, TRACC, REACT-350, TAU-II, ABSORB 350 or equivalent) shall comply with the manufacturer's recommendations/requirements.
3. Place Type II Barricade w/Lamp at spacings and positions that comply with part 6 of the MUTCD, Typical Application 5, and install steady burn amber lamps on Portable Concrete Barriers @ 20.0' o.c. Installing, maintaining and removing each steady burn amber lamp including changing of batteries and bulbs shall be considered incidental to applicable Portable Concrete Barriers items.
4. Travel Lanes shall be temporarily restriped and adjusted to 10 feet to accommodate Portable Concrete Barrier Installation and use. Following the completion of culvert work, Travel Lanes shall be restriped to their original locations. This work shall be considered incidentntal to various contract items and shall not be paid for separately.
5. The Contractor shall provide and maintain for access to and form all existing driveways, sidewalks, and ADA access routes, and side streets, and cross streets at all times. This work shall be considered incidental to various contract items and will not be paid for separately.
6. The Contractor shall develop a Traffic Control Plan to include all necessary Traffic Control Devices. This work shall be considered incidental to Contract Item No. 645.0100 - Traffic Control and shall not be paid for separately.
7. If pavement markings need to be modified due to change in traffic pattern, all conflicting pavement striping shall be eradicated per Sec. 629.03(D). Eradication of existing markings by painting over them will not be allowed.

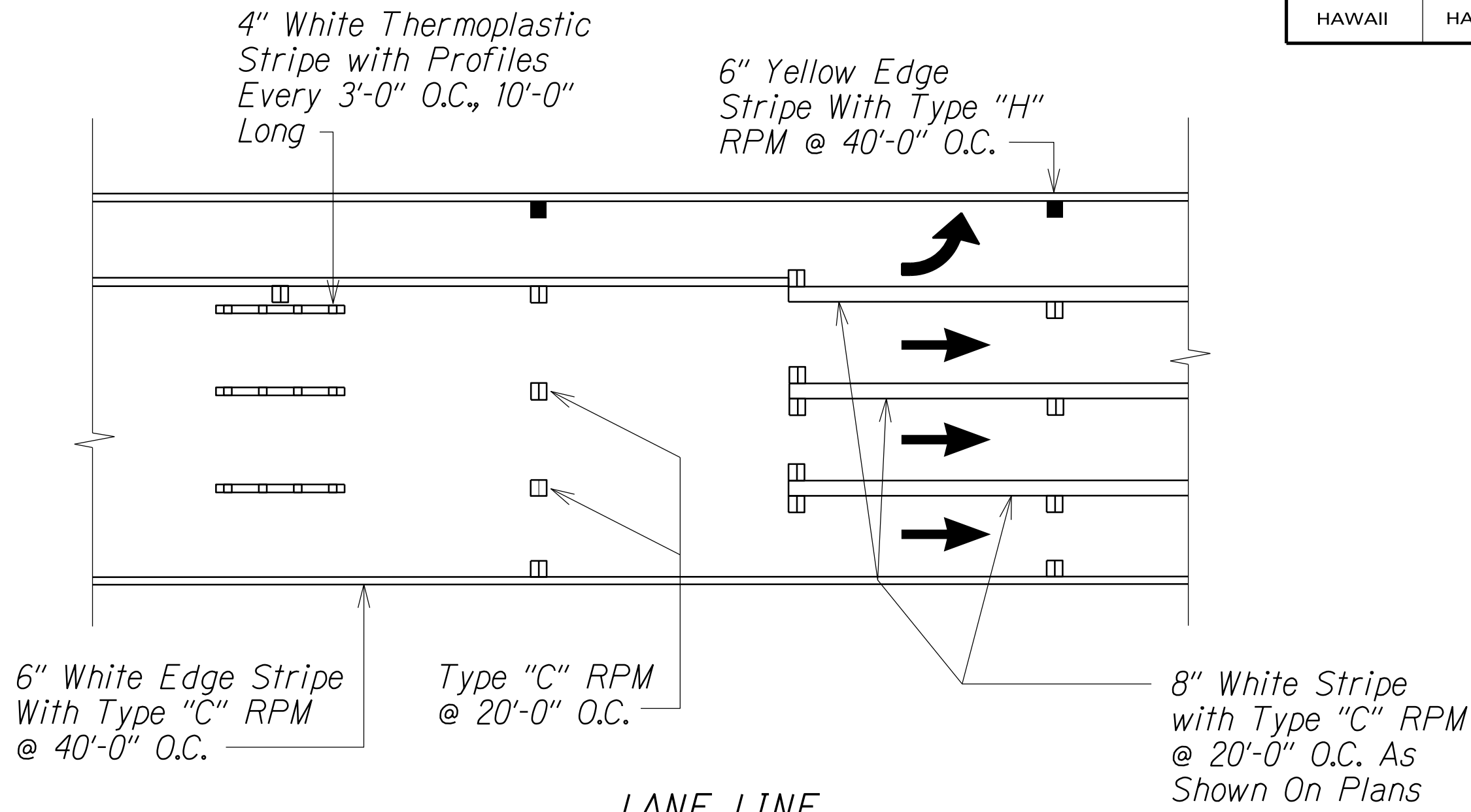
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
TELEPHONE	
CHECKED BY	

STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION
<u>TEMPORARY PORTABLE CONCRETE BARRIER</u>
<u>DETAILS AND NOTES</u>
<u>INTERSTATE ROUTE H-2</u>
<u>84-Inch Culvert Restoration at M.P. 2.10</u>
<u>Project No. HWY-0-01-19</u>
Scale: As Shown Date: May, 2020
SHEET No. 75 OF 6 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	HWY-0-01-19	2020	23	23

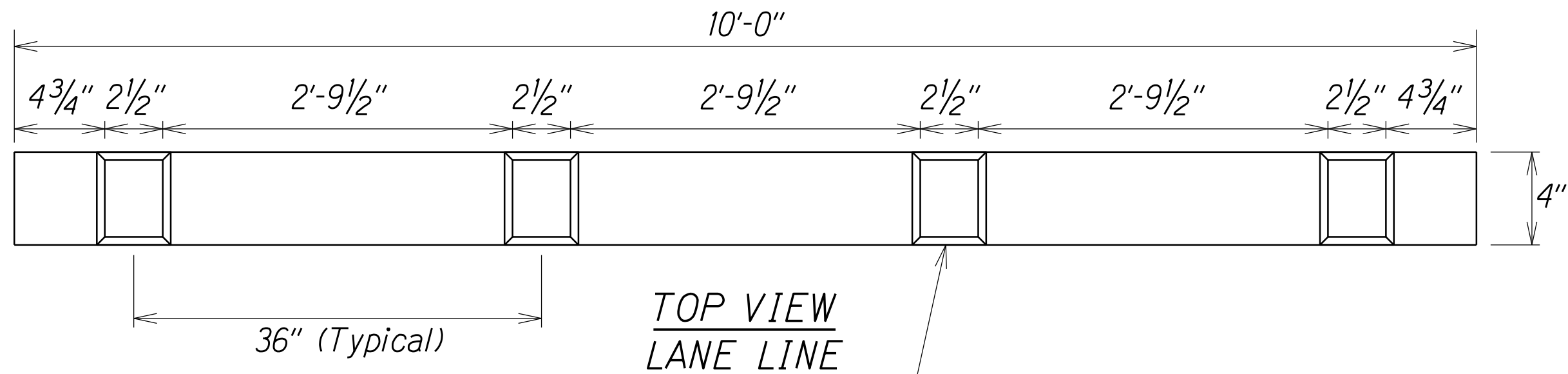


PASSING ZONE

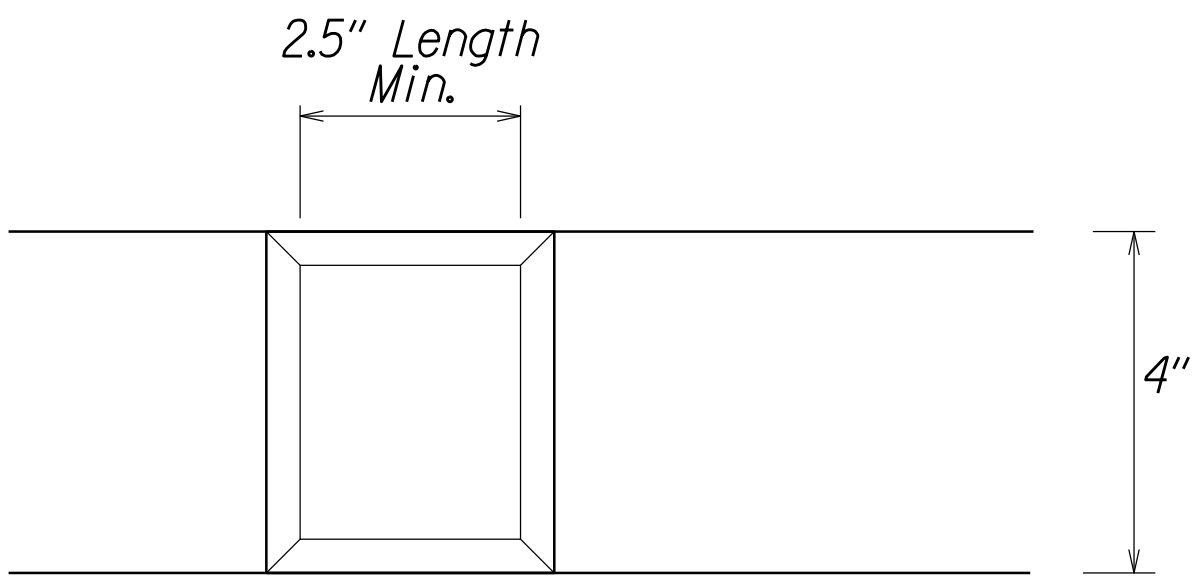
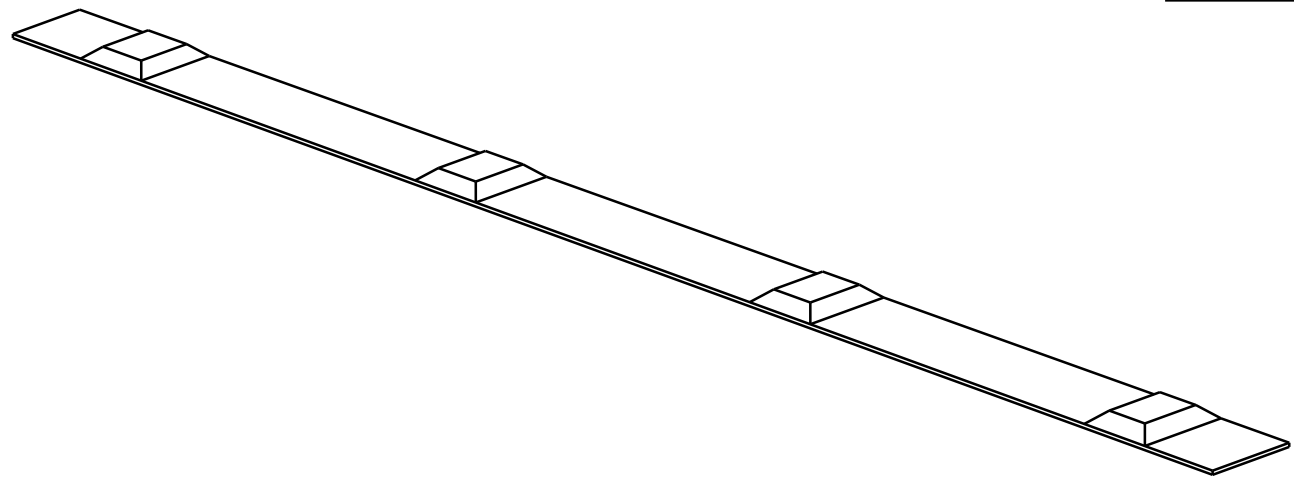
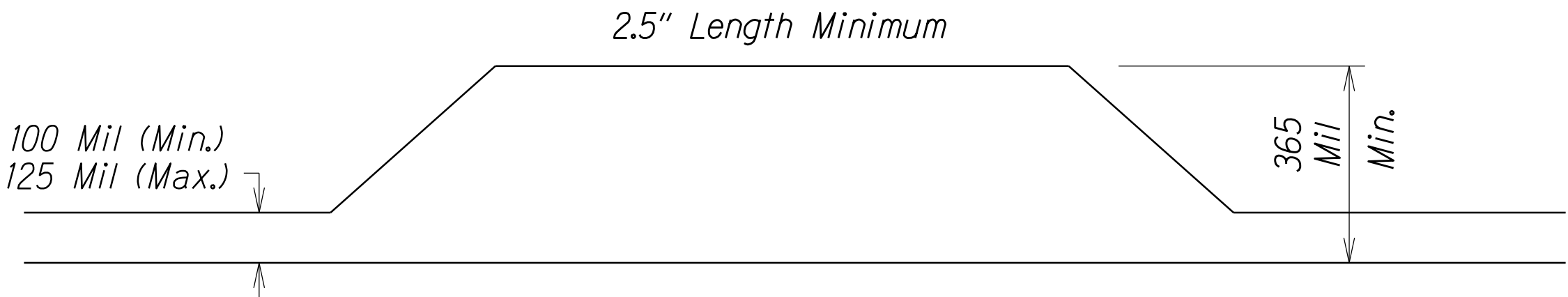


LANE LINE

DETAIL
Not To Scale



Profiles Placed on 36" O.C.
365 Mil. Height, including 100 Mil. Baseline.
Width Equal to Approximately Baseline Width



PROFILED THERMOPLASTIC STRIPING

Not to Scale

NOTES:

- The thermoplastic material shall be a alkyd-based compound formulated for profiled pavement marking. See specs subsection 629.03 for additional requirements
- The Engineer will include the longitudinal gaps for skip striping, up to thirty (30) feet long, in the measurement for payment.
- Install white profiled thermoplastic stripes as lane line.
- Install yellow profiled thermoplastic stripes for centerline passing zone.
- In areas with centerline milled rumble strips, install standard yellow thermoplastic stripes without raised profiles

SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO. 611212121212	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
PROFILED PAVEMENT MARKING
DETAILS
INTERSTATE ROUTE H-2
84-Inch Culvert Restoration at M.P. 2.10
Project No. HWY-0-01-19
Scale: Not to Scale Date: May, 2020
SHEET No. T6 OF 6 SHEETS