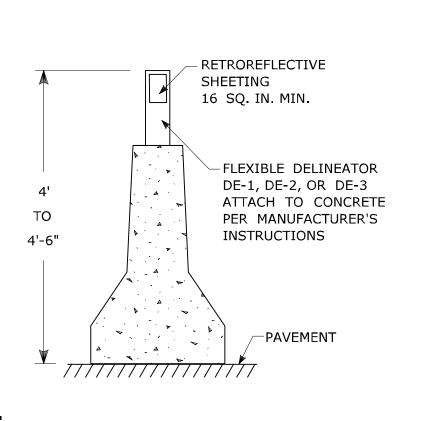
ONLY STANDARD SHEETS MARKED WITH AN "V" ARE IN THIS PROJECT #	**REVISED 0111-0125 OR ADDED			
SHEET NO. TITLE	APPROVAL DATE**	SHEET NO.	TITLE	APPROVAL DATE**
TR-1000_01 GENERAL CLAUSES (TEST PROCEDURES)	1/2014	TR-1205_01	DELINEATION, DELINEATOR AND OBJECT MARKER DETAILS	8/2018
TR-1001_01 TRENCHING & BACKFILLING, ELECTRICAL CONDUIT	2/2024	TR-1208_01	SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS	8/2018
TR-1002_01 TRAFFIC CONTROL FOUNDATIONS	2/2024	TR-1208_02	METAL SIGN POSTS AND SIGN MOUNTING DETAILS	6/2017
TR-1010_01 CONCRETE HANDHOLE	2/2024	TR-1210_04	PAVEMENT MARKINGS LINES AND SYMBOLS	8/2018
TR-1102_01 PEDESTALS, PEDESTRIAN SIGNALS	4/2012	TR-1210_05	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	4/2017
TR-1105_01 TRAFFIC SIGNALS AND CABLE ASSIGNMENTS	8/2018	TR-1210_06	PAVEMENT MARKINGS FOR DIVIDED HIGHWAYS	8/2018
TR-1107_01 PEDESTRIAN PUSH BUTTON	8/2018	TR-1210_07	PAVEMENT MARKINGS FOR EXIT RAMPS	4/2017
TR-1108_01 CONTROLLERS	5/2013	<b>✓</b> TR-1210_08	PAVEMENT MARKINGS FOR NON FREEWAYS	8/2018
TR-1111_01 LOOP VEHICLE DETECTOR AND SAWCUT	4/2014	TR-1210_09	PAVEMENT MARKINGS FOR BICYCLE LANES, PARKING STALLS, AND RR CROSSINGS	4/2017
TR-1113_01 CONTROL CABLE	4/2014	<b>✓</b> TR-1220_01	SIGNS FOR CONSTRUCTION AND PERMIT OPERATIONS	8/2018
TR-1114_01 BONDING & UTILITY POLE ATTACHMENT DETAILS, SIGN HANGER,	"Y" CLAMP DETAILS 8/2018	<b>✓</b> TR-1220_02	CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES	8/2018
STANDARD SHEETS SHALL BE USED WITH STANDARD SPECIFICATIONS				
NOTTO SCALE  SIGNATURE BLOCK:  OFFICE OF ENGINEERING 2800 BERLIN TURNPIKE NEWINGTON, CT 06111  Digitally sign Steven Drec Date: 2025. 20:08:22-04	ned by chsler .05.23	ARTMENT OF PORTATION	CTDOT STANDARD SHEET TITLE: TRAFFIC STANDARD SHEET INDEX	STANDARD SHEET NO.:  TR-STD_INDEX

## **DELINEATORS DE-1, DE-2, DE-3**

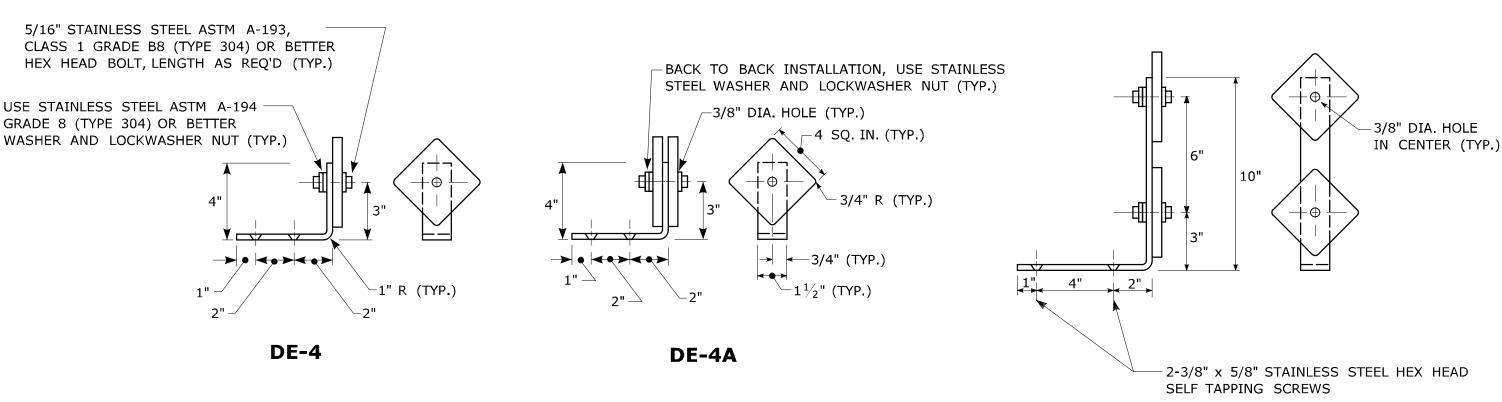
INSTALLATION ON DELINEATOR POSTS

#### DIRECTION OF TRAFFIC -TYPE IV, TYPE V, OR TYPE IX RETROREFLECTIVE SHEETING 3/8" DIA. HOLE IN CENTER (TYP.) SIGN #51-5028 WHITE SIGN #51-5029 YELLOW DE-1 COLORS: - YELLOW OR WHITE. DE-2 DELINEATORS - .0625" THK. ALUMINUM ALLOY. $\angle$ TYPICAL METAL DELINEATOR POST

#### **INSTALLATION ON** PERMANENT CONCRETE BARRIER, **BRIDGE PARAPETS AND RETAINING WALLS**



## DELINEATORS DE-4, DE-4A, DE-5 FOR INSTALLATION ON METAL BRIDGE RAIL



COLORS: - YELLOW OR WHITE.

DELINEATORS - .0625" THK. ALUMINUM ALLOY.

BRACKET - .125" THK. ALUMINUM ALLOY, AND SHALL CONFORM TO SPECIFICATION M.18.07-03 BRIDGE RAIL MOUNTING BRACKETS. FACE SHALL BE PRESSURE SENSITIVE, SELF ADHERING, TYPE IV, TYPE V, OR TYPE IX RETROREFLECTIVE SHEETING.

USE STAINLESS STEEL WASHERS ON FACE OF DELINEATORS, 5/8" O.D. X 3/8" I.D. X .032" THK. (TYP.)

DELINEATORS TYPE DE-4, DE-4A, AND DE-5 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

#### DELINEATORS DE-1, DE-2, DE-3 TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.

FACE SHALL BE PRESSURE SENSITIVE, SELF ADHERING, TYPE IV,

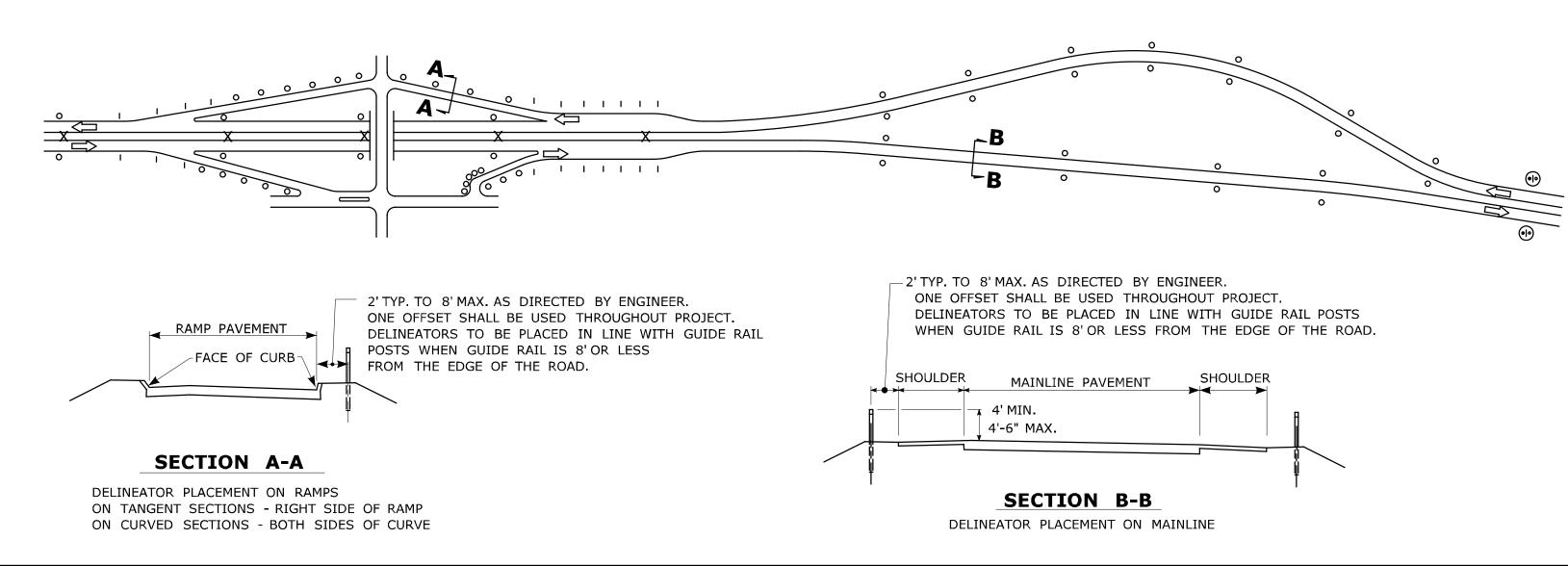
DELINEATORS SHALL BE FASTENED WITH 5/16" STAINLESS STEEL ASTM A-193 CLASS 1,

FIBER INSERT SELF LOCKING NUT, ON STANDARD METAL DELINEATOR POST.

GRADE B8 (TYPE 304) OR BETTER HEX HEAD BOLT (LENGTH AS REQUIRED), WASHER AND

TYPE V, OR TYPE IX RETROREFLECTIVE SHEETING.

#### TYPICAL MAINLINE & INTERCHANGE DELINEATION



#### **DELINEATOR SPACING NOTES:**

- 1) AT LOCATIONS WHERE THE MEDIAN WIDTH (BETWEEN SHOULDERS) IS 12' OR LESS, AND MEDIAN BEAM RAIL IS PRESENT, TYPE DE-3 DELINEATORS SHALL BE MOUNTED WITHIN THE MEDIAN BEAM RAIL
- 2) SPACING ON MAINLINE EXPRESSWAY TANGENTS SHALL BE 400'.
- 3) SPACING ON MAINLINE EXPRESSWAY CURVES SHALL BE AS SPECIFIED IN TABLE 3F-1 OF THE MUTCD.
- 4) ON ACCELERATION AND DECELERATION LANES AND ON-RAMP TANGENT SECTIONS, DELINEATOR SPACING SHALL BE 100'.
- 5) ON CURVED PORTIONS OF RAMPS, DELINEATOR SPACING SHALL BE IN ACCORDANCE WITH TABLE 3F-1 OF THE MUTCD, BUT NOT TO EXCEED 100'.

#### LEGEND:

- DE-1 DELINEATORS OR DE-4 DELINEATOR ASSEMBLY
- DE-2 DELINEATORS OR DE-5 DELINEATOR ASSEMBLY
- X DE-3 DELINEATORS ASSEMBLY OR DE-4A DELINEATOR
- ① D10-1, 2, 3, OR 4 ASSEMBLY TO BE INSTALLED WHERE SHOWN ON PLANS OR AS DIRECTED BY THE ENGINEER

#### COLOR APPLICATION, FOR DE-1 THRU DE-5

LEFT SIDE OF ALL ROADWAYS AND RAMPS - YELLOW RIGHT SIDE OF ALL ROADWAYS AND RAMPS - WHITE

#### MUTCD TABLE 3F-1 APPROXIMATE SPACING FOR DELINEATORS ON HORIZONTAL CURVES

DE-5

RADIUS (R) OF CURVE (feet)	APPROXIMATE SPACING (S) ON CURVE (feet)
50	20
115	25
180	35
250	40
300	50
400	55
500	65
600	70
700	75
800	80
900	85
1,000	90

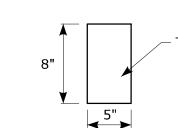
DISTANCE IN FEET WERE ROUNDED TO THE NEAREST 5 FEET. SPACING FOR SPECIFIC RADII MAY BE INTERPOLATED FROM TABLE. THE MINIMUM SPACING SHOULD BE 20 FEET. THE SPACING ON CURVES SHOULD NOT EXCEED 300 FEET. IN ADVANCE OF OR BEYOND A CURVE, AND PROCEEDING AWAY FROM THE END OF THE CURVE, THE SPACING OF THE FIRST DELINEATOR IS 2S, THE SECOND IS 3S, AND THE THIRD 6S BUT NOT TO EXCEED 300 FEET.

S REFERS TO THE DELINEATOR SPACING FOR SPECIFIC RADII COMPUTED FROM THE FORMULA:  $S=3\sqrt{R-50}$ .

#### **DELINEATORS DE-7, DE-7A, DE-7B, DE-7D FOR** INSTALLATION ON TEMPORARY PRECAST CONCRETE BARRIER CURB AND TEMPORARY PRECAST CONCRETE BARRIER CURB (STRUCTURE)

**DELINEATORS DE-7, DE-7A, DE-7B, AND DE-7D** 

TO BE PAID FOR UNDER SECTION 12.05 DELINEATORS.



DE-7 ONE WAY WHITE

DE-7A ONE WAY YELLOW

DE-7B TWO WAY YELLOW

TEMPORARY PRECAST CONCRETE BARRIER

DELINEATORS ARE TO BE FABRICATED OF

ALUMINUM, STEEL, PLASTIC, OR OF A MATERIAL

APPROVED BY THE ENGINEER AND MOUNTED IN THE

REQUIRED AND PER MANUFACTURER'S INSTRUCTIONS.

CENTER OF EACH SECTION OF TEMPORARY BARRIER AS

DE-7D TWO WAY WHITE

REV. DATE

TYPE IV, TYPE V, OR TYPE IX RETRORELFECTIVE SHEETING

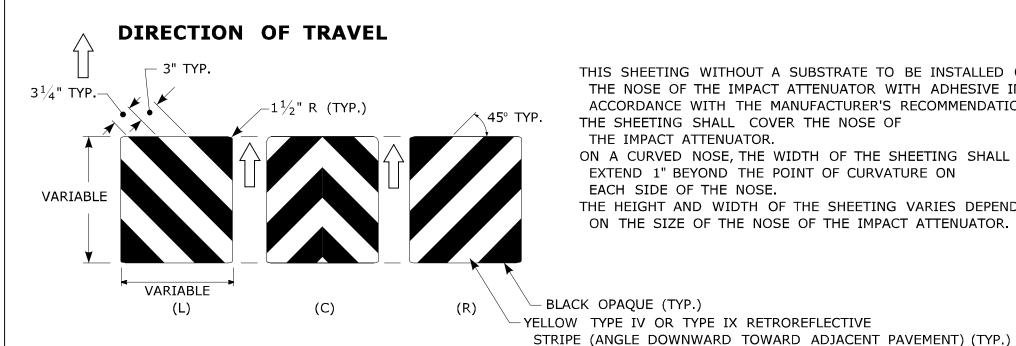
Plotted Date: 8/10/2018

#### **SPACING FOR TEMPORARY BARRIER CURB DELINEATORS:**

- ON THE LEADING TAPERED SECTION EVERY 20', ON THE FIRST 100' OF THE PARALLEL SECTION - EVERY 20', ON THE REMAINING LENGTH - EVERY 100', MINIMUM OF 2 IF LESS THAN 100' ALTERNATING ONE WAY TRAFFIC - EVERY 20',
- ALL OTHER ROADWAYS SHALL BE DELINEATED IN ACCORDANCE WITH MUTCD.

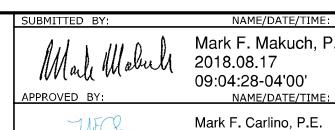
#### ATTENUATOR REFLECTOR TO BE PAID FOR UNDER SECTION 18.0 IMPACT ATTENUATOR

## ATTENUATOR REFLECTORS SIGN #40-4266



- THIS SHEETING WITHOUT A SUBSTRATE TO BE INSTALLED ON THE NOSE OF THE IMPACT ATTENUATOR WITH ADHESIVE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS. THE SHEETING SHALL COVER THE NOSE OF THE IMPACT ATTENUATOR.
- ON A CURVED NOSE, THE WIDTH OF THE SHEETING SHALL EXTEND 1" BEYOND THE POINT OF CURVATURE ON EACH SIDE OF THE NOSE.
- THE HEIGHT AND WIDTH OF THE SHEETING VARIES DEPENDING ON THE SIZE OF THE NOSE OF THE IMPACT ATTENUATOR.

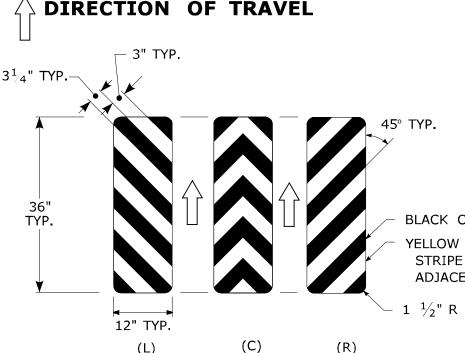
## STATE OF CONNECTICUT **DEPARTMENT OF TRANSPORTATION**



**CTDOT** STANDARD SHEET

OFFICE OF ENGINEERING 2018.08.21 07:47:46-04'00'

#### TYPE 3 OBJECT MARKERS SIGN #41-4267



ANDARD SHEET TITLE

SIGN #41-4267 MARKER MOUNTED ON 4lb. METAL SIGN POST. BOTTOM OF SIGN #41-4267 TO BE 4' ABOVE ADJACENT EDGE OF PAVEMENT FINAL LOCATIONS OF SIGN #41-4267 MARKERS WILL BE AS SHOWN ON THE PLAN OR AS DIRECTED BY THE ENGINEER.

BLACK OPAQUE (TYP.) YELLOW TYPE IX RETROREFLECTIVE STRIPE (ANGLE DOWNWARD TOWARD ADJACENT PAVEMENT) (TYP.)

 $- 1 \frac{1}{2}$ " R (TYP.)

TYPE 3 OBJECT MARKER TO BE PAID FOR UNDER SECTION 12.08 SIGN FACE SHEET ALUMINUM

QUANTITIES OF WORK, SHOWN ON THESE 5 8-2018 INCLUDED DE-7D AND REMOVED DE-7C, DE-9, AND DE-10. SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS 4 | 4-2017 | REVISED ATTENUATOR REFLECTOR AND TYPE 3 OBJECT MARKERS. IN NO WAY WARRANTED TO INDICATE 8-2015 UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION. THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. 2-2011 | MINOR REVISIONS 1 | 1-2010 | INCLUDED DETAILS IN D10-1, D10-2, D10-3 DELINEATORS.

REVISION DESCRIPTION

NOT TO SCALE

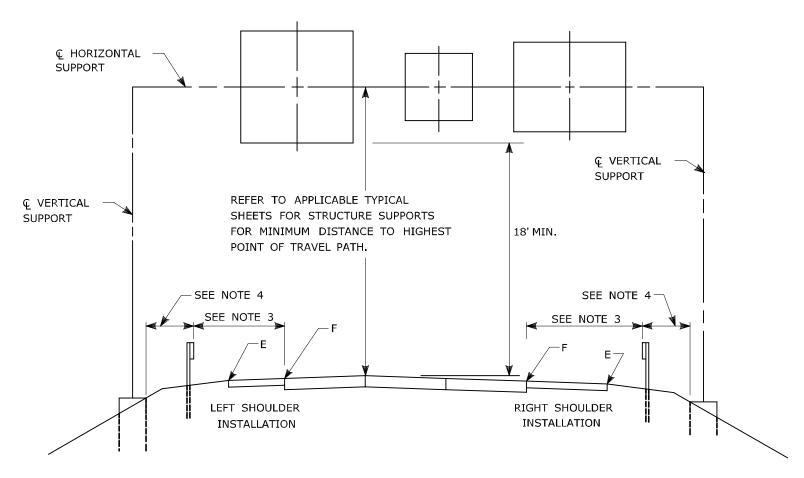
Model: TR-1205\_01

Filename: TR-1205\_01\_1\_2018.dan

Mark F. Makuch, P.E.

**DELINEATION, DELINEATORS** AND OBJECT MARKER DETAILS TANDARD SHEET NO.:

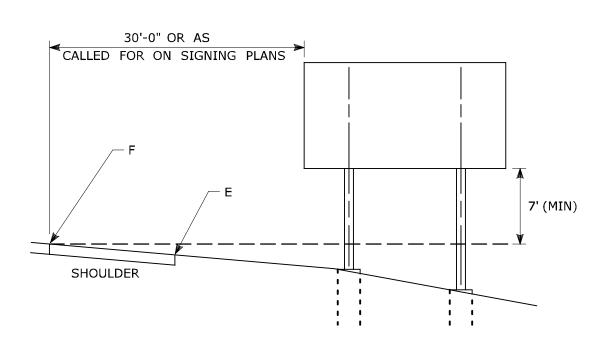
TR-1205\_01



#### TYPICAL PLACEMENT OF OVERHEAD SIGNS ON SIGN SUPPORTS

NOTES:

- 1) FOR PLACEMENT OF CANTILEVER SIGN SUPPORT USE APPLICABLE PORTION OF ABOVE DETAIL.
- 2) BARRIER SYSTEMS MAY BE REQUIRED FOR BOTH SIDES OF SUPPORTS IN MEDIANS.
- 3) IMPACT PROTECTION SHALL BE PROVIDED FOR THE SIGN SUPPORTS LOCATED WITHIN CLEAR ZONE.
- 4) SIGN SUPPORT FOUNDATIONS SHALL BE LOCATED OUTSIDE OF BARRIER SYSTEMS DEFLECTION AREA.
- 5) ALL SIGNS ARE TO BE LEVEL, REGARDLESS OF CAMBER IN SUPPORT.



#### TYPICAL PLACEMENT OF SIDE MOUNTED SIGNS ON

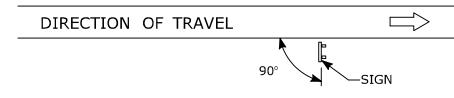
#### STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

NOTES:

REV. DATE

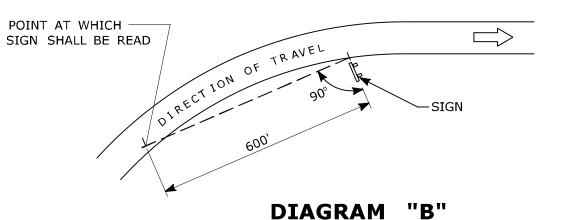
- 1) MIN. VERTICAL CLEARANCE ABOVE SIDEWALKS SHALL BE 7'.
- 2) WHERE GUIDE RAIL IS USED, THE OFFSET TO THE NEAR EDGE OF SIGN FACE SHALL BE AS SHOWN ELSEWHERE IN THE CONTRACT PLANS.
- 3) ON INTERSECTING ROADS AT RAMP TERMINI, THE OFFSET TO THE NEAR EDGE OF OF SIGN FACE SHALL BE 6'MIN. FROM POINT "E".
- 4) IF 30'-0" MIN. CANNOT BE MET, PLEASE CONTACT THE ENGINEER.

- FOR MAXIMUM EFFECTIVENESS, POSITION SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS AS FOLLOWS:
- ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES. SIGNS LOCATED 30 FT OR MORE FROM THE EDGE OF THE ROAD SHALL BE TURNED APPROXIMATELY 3° TOWARD THE ROAD.

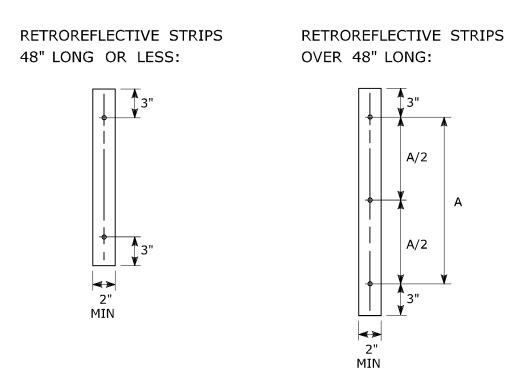


#### **DIAGRAM "A"**

ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.



# SIGN ORIENTATION DETAILS FOR SIDE MOUNTED SIGNS ON STRUCTURAL STEEL BREAKAWAY SIGN SUPPORTS

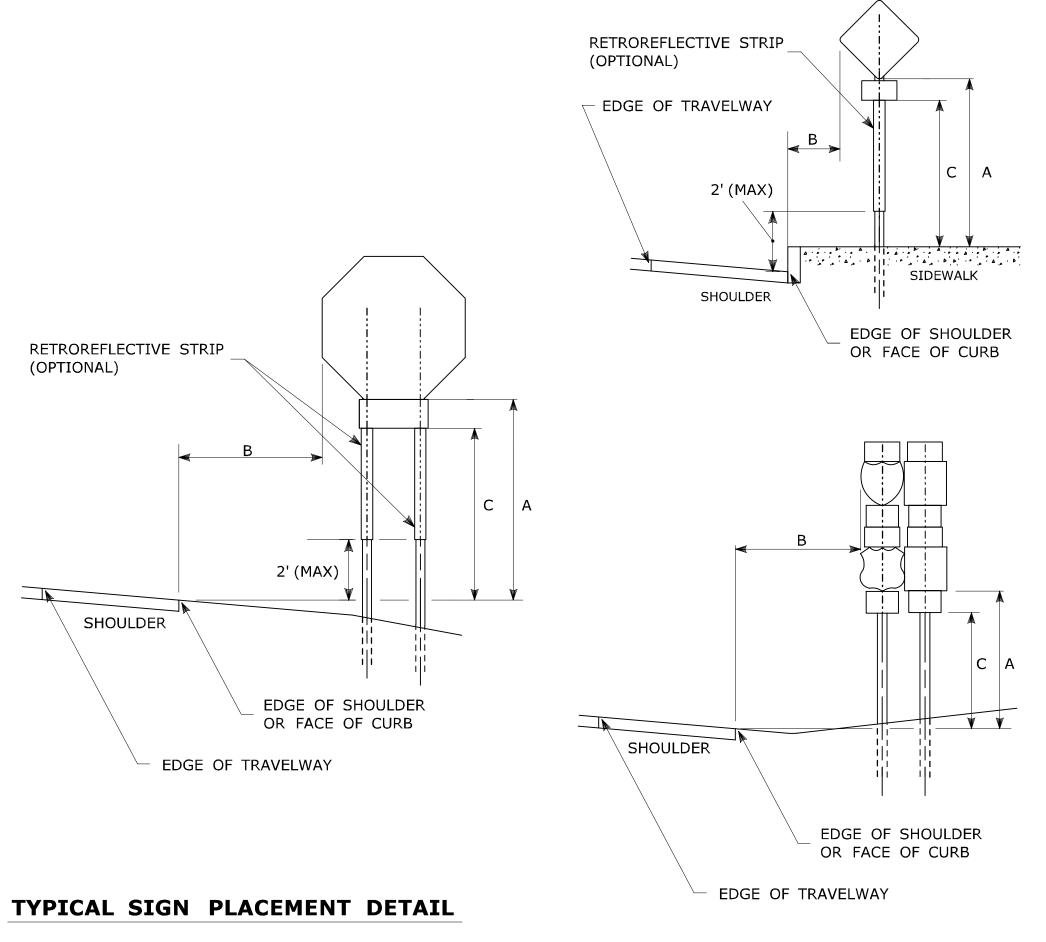


#### RETROREFLECTIVE STRIP DETAIL

NOTES:

- RETROREFLECTIVE STRIPS WHICH ARE 48 IN LONG OR LESS SHALL
  BE ATTACHED USING 2 BOLTS AND RETROREFLECTIVE STRIPS OVER
  48 IN LONG SHALL BE ATTACHED USING 3 BOLTS AS SHOWN ON
- THE DETAILS ABOVE.
  REFER TO STANDARD SHEET No. TR-1208\_02 "METAL SIGN POSTS
- AND SIGN MOUNTING DETAILS" FOR MOUNTING DETAILS.

  RETROREFLECTIVE STRIP COLOR SHALL MATCH THE BACKGROUND COLOR
  OF THE SIGN, EXCEPT THAT THE COLOR OF THE STRIP FOR "YIELD" AND
  "DO NOT ENTER" SIGNS SHALL BE RED.



NOTES:

ALL SIGNS AND SHIELDS ON DIRECTIONAL ASSEMBLIES SHALL ABUT VERTICALLY.

REFER TO STANDARD SHEET No. TR-1208\_02 "METAL SIGN POSTS AND SIGN MOUNTING DETAILS" FOR SIGN POSTS AND SIGN MOUNTING.

IF A RETFOREFLECTIVE STRIP IS USED ON SIGN SUPPORT, IT SHALL BE PLACED FOR THE FULL LENGTH OF THE SUPPORT FROM THE BOTTOM OF THE SIGN TO WITHIN 2 FT ABOVE THE EDGE OF THE ROADWAY.

PARKING SIGNS TYPICALLY USE 45° MOUNTING BRACKET.

DIM."A" MIN SIGN HEIGHT	DIM."B" MIN LATERAL OFFSET 1	DIM."C" MIN PLAQUE HEIGHT 1	ASSEMBLY LOCATION	
7' (2)	6' 12' ③	5'	SIGNS ON FREEWAYS AND EXPRESSWAYS EXCEPT CHEVRON ALIGNMENT SIGNS, ONE-DIRECTION LARGE ARROW SIGNS, DO NOT ENTER SIGNS, AND WRONG WAY SIGNS	
5'	2'	4'	• SIGNS IN RURAL AREAS • DO NOT ENTER AND WRONG WAY SIGNS ALONG EXIT RAMPS • DO NOT ENTER AND WRONG WAY SIGNS ON LIMITED ACCESS HIGHWAYS	
5'	2'	N/A	• CHEVRON ALIGNMENT SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS • ONE-DIRECTION LARGE ARROW SIGNS LOCATED ON FREEWAYS, EXPRESSWAYS, RAMPS, AND IN RURAL AREAS	
4'	6' 12' ③	N/A	INCIDENT MANAGEMENT SIGNS AND MILE POST MARKER ASSEMBLIES LOCATED ON FREEWAYS AND EXPRESSWAYS	
4'	2'	4'	CENTRAL ISLANDS OF ROUNDABOUTS	
7'	2' 4	6'	BUSINESS & RESIDENTIAL AREAS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY	
7'	2' 4	7'	SIDEWALKS (5)	

- $\langle \overline{1} \rangle$  OR AS DIRECTED BY THE ENGINEER
- (2) 8 FT MINIMUM HEIGHT REQUIRED IF A SUPPLEMENTAL PLAQUE IS SUBMOUNTED BELOW THE MAJOR SIGN.
- 6 FT FROM EDGE OF SHOULDER, WHEN SHOULDER IS OVER 6 FT WIDE 12 FT FROM EDGE OF TRAVELWAY, WHEN SHOULDER IS LESS THAN 6 FT WIDE.
- A LATERAL OFFSET OF AT LEAST 1 FT FROM THE FACE OF THE CURB MAY BE USED WHERE SIDEWALK WIDTH

IS LIMITED OR WHERE EXISTING UTILITY POLES ARE CLOSE TO THE CURB.

(5) A CLEAR PATH OF NOT LESS THAN 4 FT SHALL BE PROVIDED IN SIDEWALK AREAS.

STANDARD SHEET NO.:

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

1 2-2011 MINOR REVISIONS.

OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 8/10/2018

REVISION DESCRIPTION

NOT TO SCALE

Filename: TR\_1208\_01\_1\_2018.dgn

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION

Model: TR-1208\_01

Mark F. Makuch, P.E. 2018.08.17
O9:06:06-04'00'
NAME/DATE/TIME:

Mark F. Makuch, P.E. 2018.08.17
Mark F. Carlino, P.E.

2018.08.17 09:06:06-04'00' NAME/DATE/TIME:

Mark F. Carlino, P.E. 2018.08.21 07:48:06-04'00'

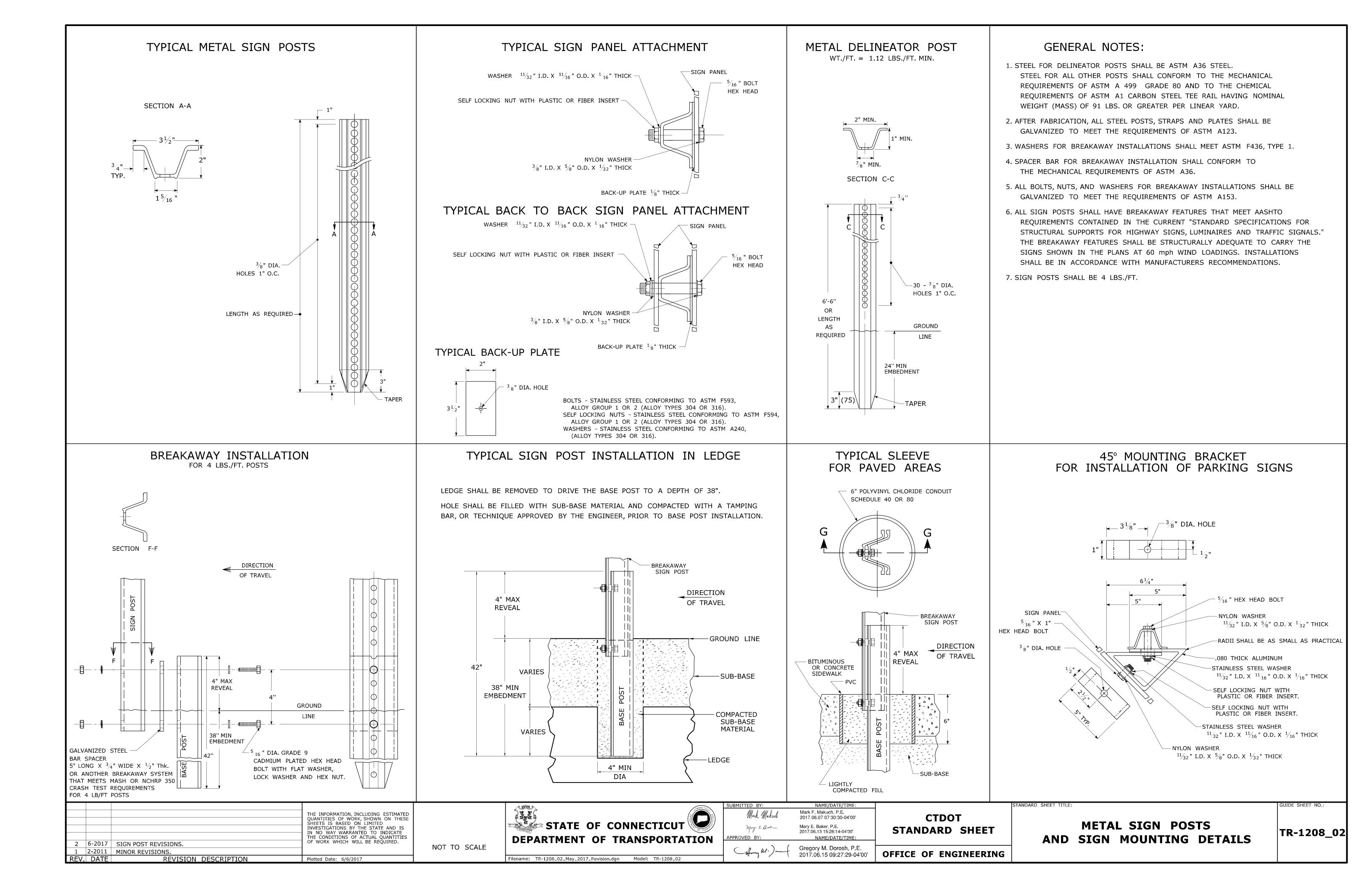
OFFICE OF ENGINEERING

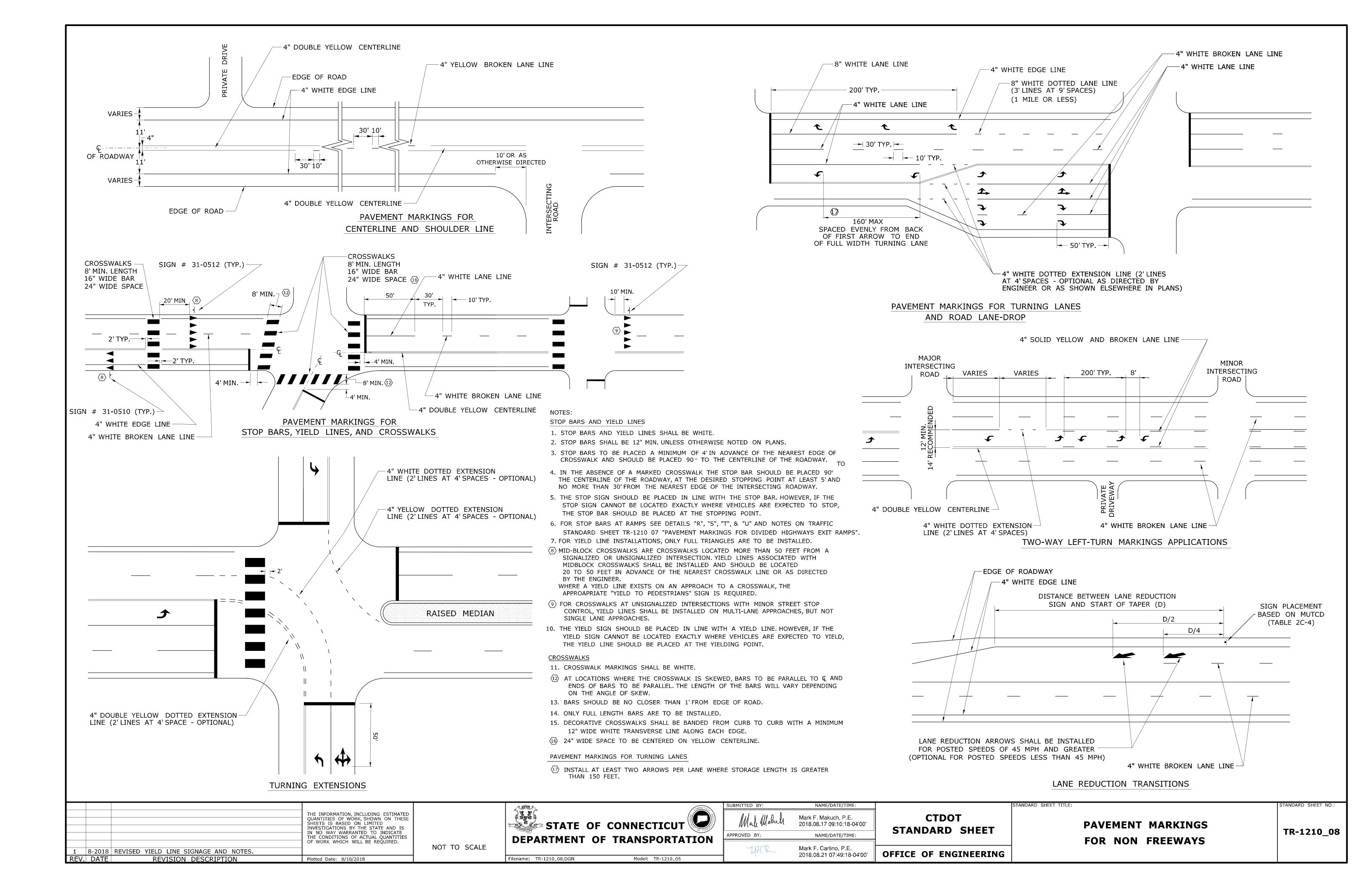
STANDARD SHEET

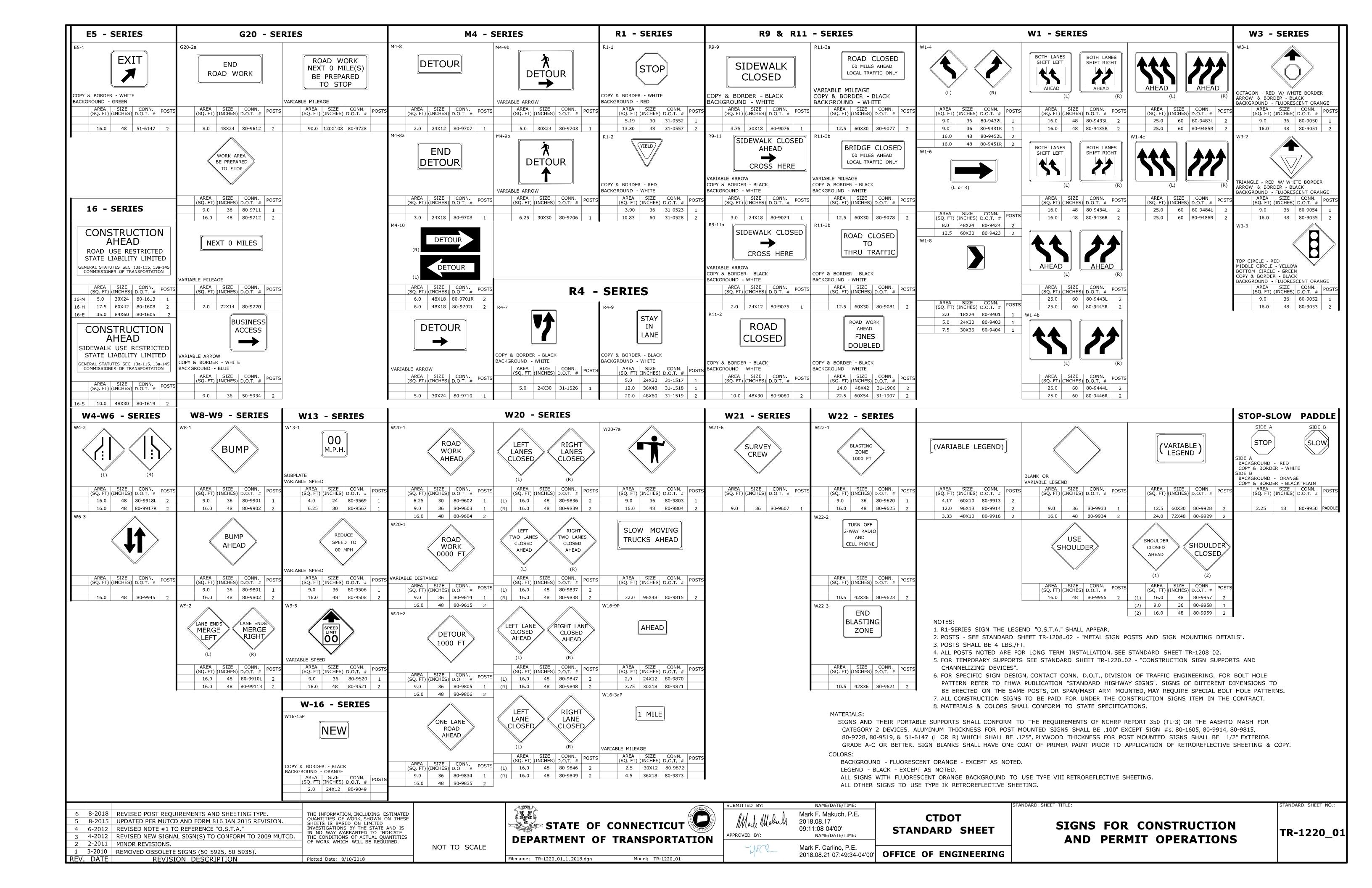
SIGN PLACEMENT AND

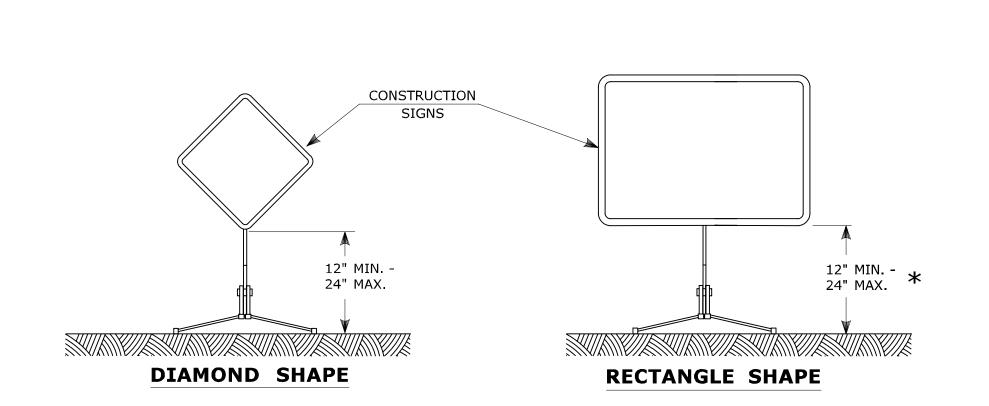
RETROREFLECTIVE STRIP DETAILS

TR-1208\_01









PORTABLE CONSTRUCTION SIGNS

OR THE AASHTO MASH FOR CATEGORY 2 DEVICES AND THE LATEST EDITION OF THE MUTCD.

2. MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24".

1. SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3)

3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.

SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.

4. PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3)

5. PORTABLE CONSTRUCTION SIGN SUPPORTS SHOULD NOT BE USED FOR DURATION OF MORE THAN 3 DAYS EXCEPT FOR R9-8 THROUGH

R9-11a SERIES, R11 SERIES, W1-6 THROUGH W1-8 SERIES, M4-10, AND E5-1. SEE STANDARD SHEET TR-1220\_01 - "SIGNS FOR

# TYPE IV OR TYPE VIII WHITE RETROREFLECTIVE STRIPE — -CENTERED ON TYPE IV OR TYPE VIII FLUORESCENT ORANGE SECTION (TYP.) RETROREFLECTIVE STRIPE TYPE IV OR TYPE VIII WHITE RETROREFLECTIVE STRIPE -

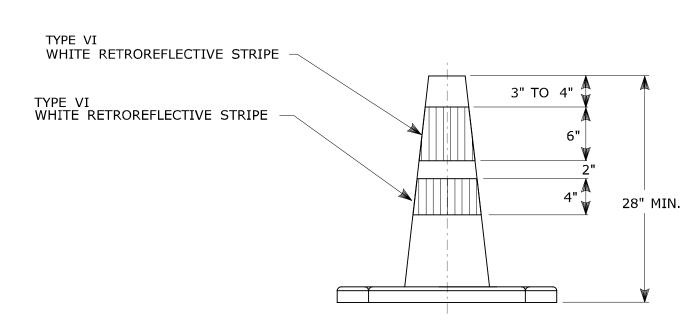
#### **42" TRAFFIC CONE**

#### NOTES:

TYPE IV OR TYPE VIII FLUORESCENT ORANGE

RETROREFLECTIVE STRIPE

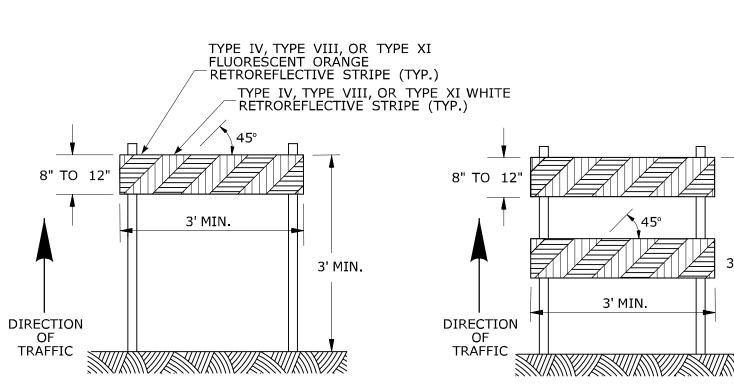
- 1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- 2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
- 3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
- 4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- 5. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
- 6. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



#### TRAFFIC CONE

#### NOTES:

- 1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- 2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
- 3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
- 4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- 5. THE ENTIRE AREA OF WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
- 6. TRAFFIC CONES NOT USED AT NIGHT MAY UTILIZE TYPE III SHEETING.
- 7. THE SECTIONS OF CONES NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.



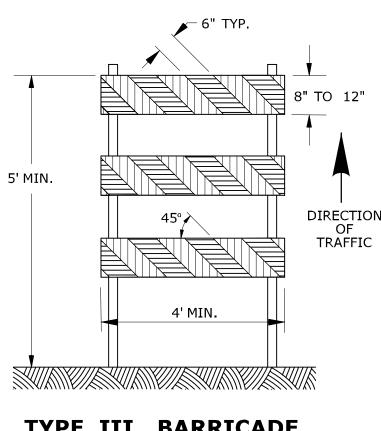
NOTES FOR PORTABLE SIGN SUPPORTS:

\* FOR E5-1 (EXIT SIGNS) USE MIN 48".

OR THE AASHTO MASH FOR CATEGORY 2 DEVICES.

CONSTRUCTION AND PERMIT OPERATIONS" FOR SIGN DETAILS.





TYPE III BARRICADE

### BARRICADE WARNING LIGHTS (AS REQ'D) LIGHT IS TO BE MOUNTED BEHIND SIGN SO THAT ONLY ILLUMINATED PORTION IS EXPOSED TO VIEW. MOUNT ON EDGE OF SIGN NEAREST TRAFFIC LANE. 6' TO 12' 2' MIN.-7' MIN. 5' MIN. EDGE OF-- EDGE OF SHOULDER SHOULDER

RURAL AREA

**URBAN AREA** 

#### CONSTRUCTION BARRICADES

#### NOTES:

- 1. CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH AND THE LATEST EDITION OF THE MUTCD.
- 2. MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE FLUORESCENT ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
- 3. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. THE SIDES OF BARRICADES FACING TRAFFIC SHALL HAVE RETROREFLECTIVE RAIL FACES.
- 4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- 5. CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
- 6. SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.

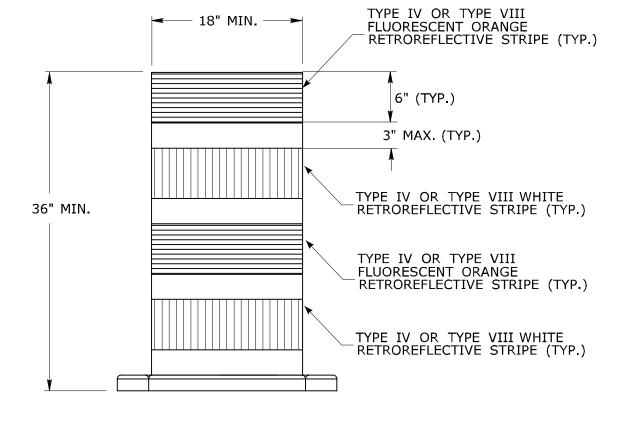
## PLACEMENT OF CONSTRUCTION SIGNS TYPICAL LONG TERM INSTALLATION

#### NOTES:

SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.

REFER TO STANDARD SHEETS:

TR-1208\_01 - "SIGN PLACEMENT AND RETROREFLECTIVE STRIP DETAILS." TR-1208\_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS."



#### TRAFFIC DRUM **FRONT VIEW**

#### NOTES:

- 1. TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) OR THE AASHTO MASH FOR CATEGORY 1 DEVICES AND THE LATEST EDITION OF THE MUTCD.
- 2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
- 3. THE ENTIRE AREA OF FLUORESCENT ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
- 4. THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE 8-2018 UPDATED SHEETING TYPE AND COLOR THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED. 8-2015 UPDATED PER MUTCD AND FORM 816 JAN 2015 REVISION. 2-2011 MINOR REVISIONS REVISION DESCRIPTION REV. DATE Plotted Date: 8/10/2018

NOT TO SCALE

Filename: TR-1220\_02\_3\_2018.dgn

STATE OF CONNECTICUT **DEPARTMENT OF TRANSPORTATION** 

Model: TR-1220\_02

NAME/DATE/TIME: Mark F. Makuch, P.E. 2018.08.17 09:12:43-04'00' PPROVED BY: NAME/DATE/TIME: Mark F. Carlino, P.E. 2018.08.21 07:49:51-04'00

**CTDOT** STANDARD SHEET

OFFICE OF ENGINEERING

**CONSTRUCTION SIGN SUPPORTS** AND CHANNELIZING DEVICES

TR-1220\_02

TANDARD SHEET NO.: