

STANDARD CONSTRUCTION DETAILS

TRAFFIC

REVISED MAY 2017

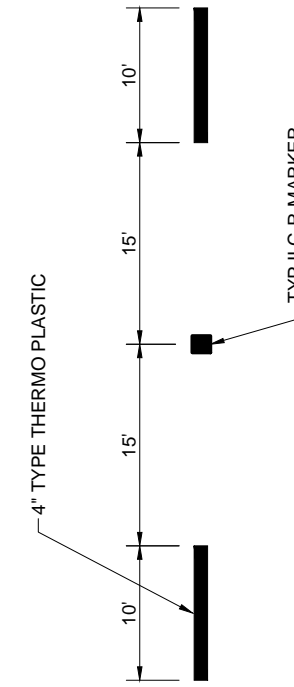
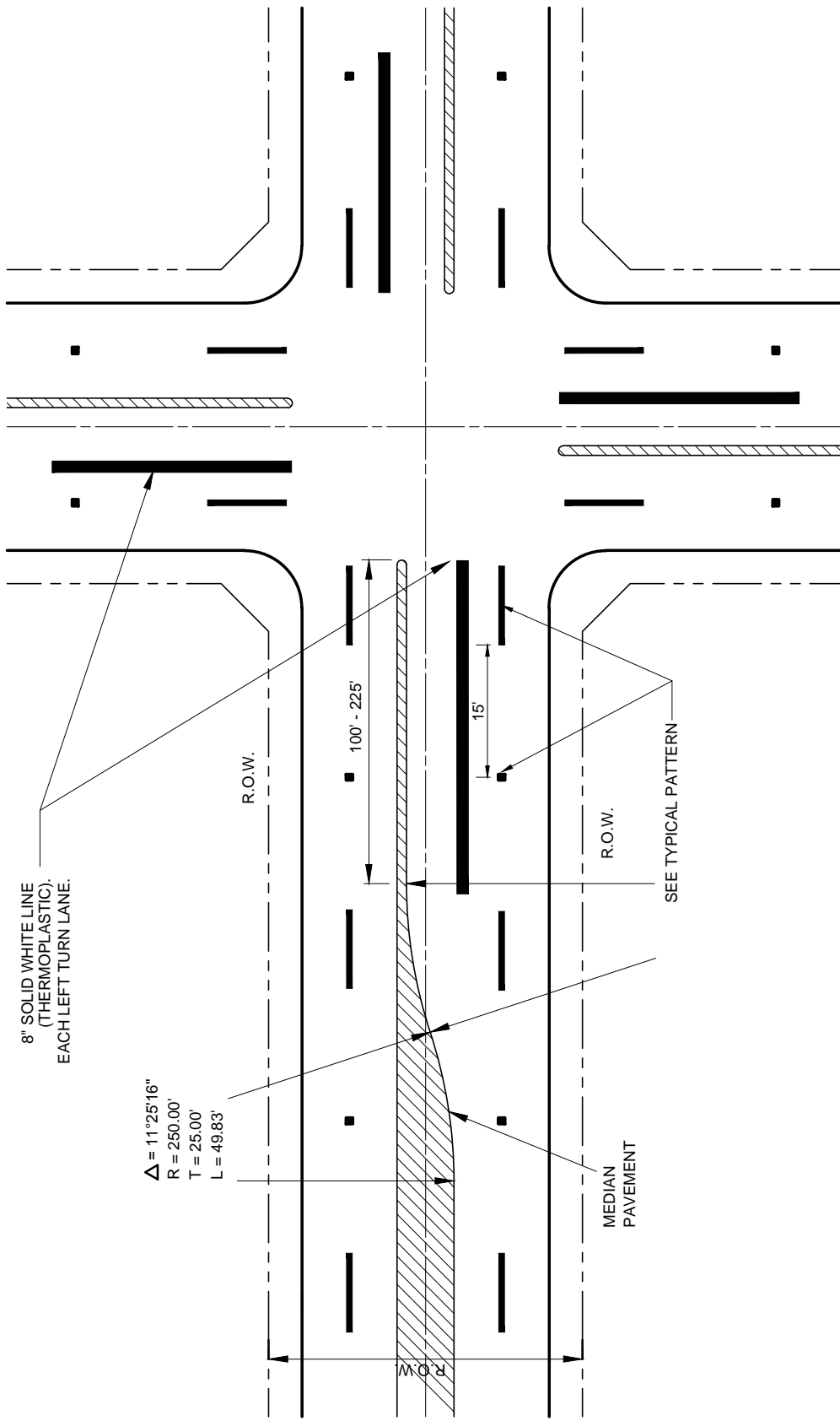


DEPARTMENT OF ENGINEERING

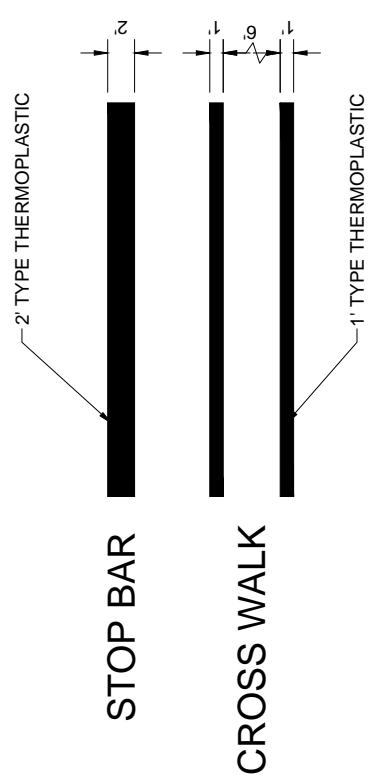
TABLE OF CONTENTS

TRAFFIC

TRAFFIC LANE BUTTON LAYOUT PLAN	SD-T01
TYPE III PERMANENT BARRICADE DETAIL	SD-T02
TYPICAL APPLICATION TO TRANSITION ACROSS A MEDIAN OPENING	SD-T03
TWO LANE - LANE CLOSURE	SD-T04
ONE LANE - LANE CLOSURE	SD-T05
9" STREET NAME BLADE	SD-T06
15" OVERHEAD/MAST ARM STREET NAME BLADE	SD-T07
REGULATORY SIGNS	SD-T08
45° PARKING	SD-T09
60° PARKING	SD-T10

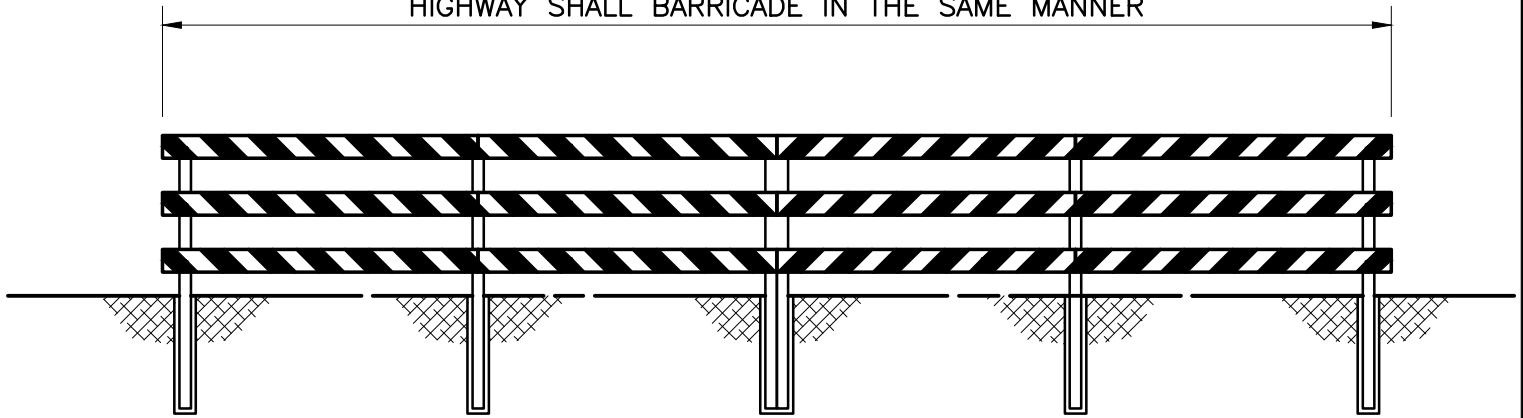


NOTE : MARKERS MUST BE ACRYLIC OR PLASTIC. CERAMIC IS NOT ALLOWED.



TYPICAL PATTERN

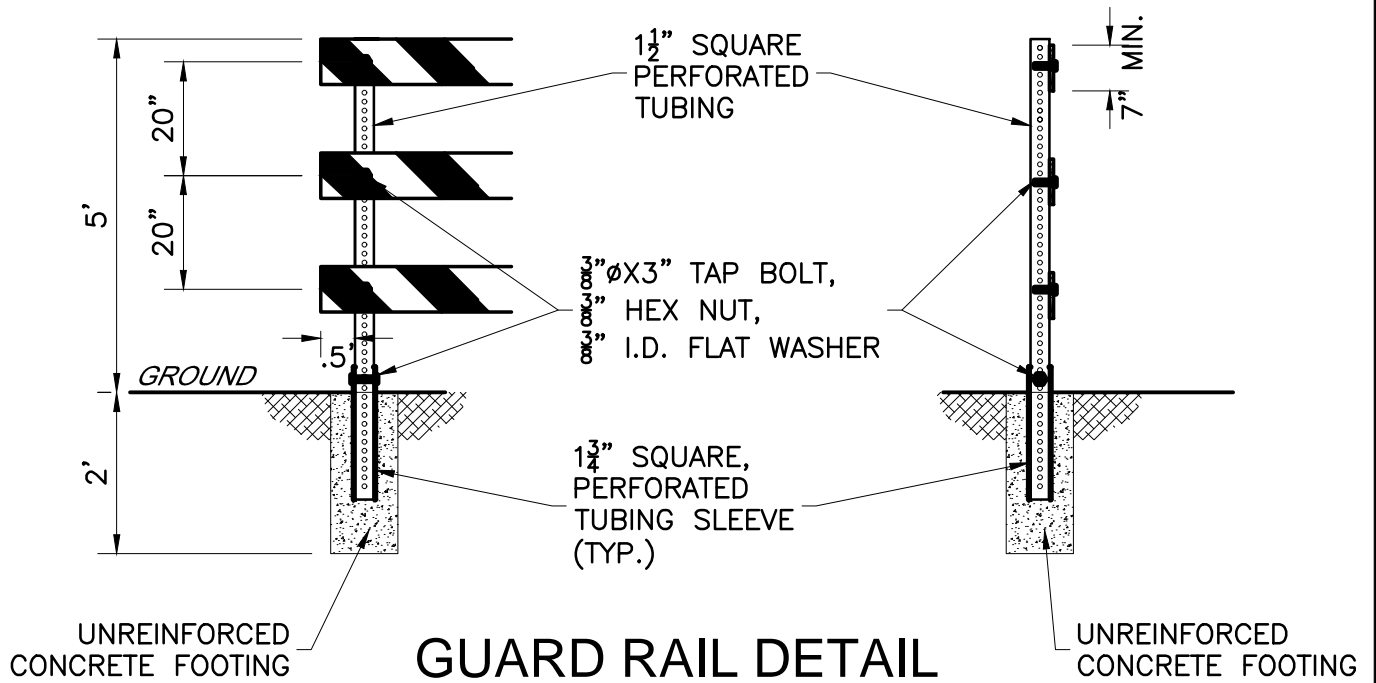
MINIMUM BARRICADE LENGTH SHALL BE THE STREET WIDTH MINUS 2' EACH ROADWAY. A DIVIDED HIGHWAY SHALL BARRICADE IN THE SAME MANNER




FRONT ELEVATION

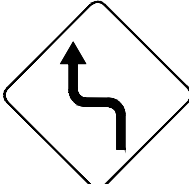
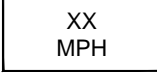
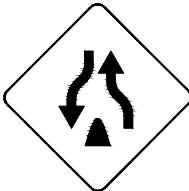

TYPE III

THE THREE RAILS ON TYPE III BARRICADES SHALL BE REFLECTIVE RED AND WHITE STRIPES ON ONE SIDE FACING ONE WAY TRAFFIC AND BOTH SIDES FOR TWO WAY TRAFFIC. STRIPE WIDTH = 6"

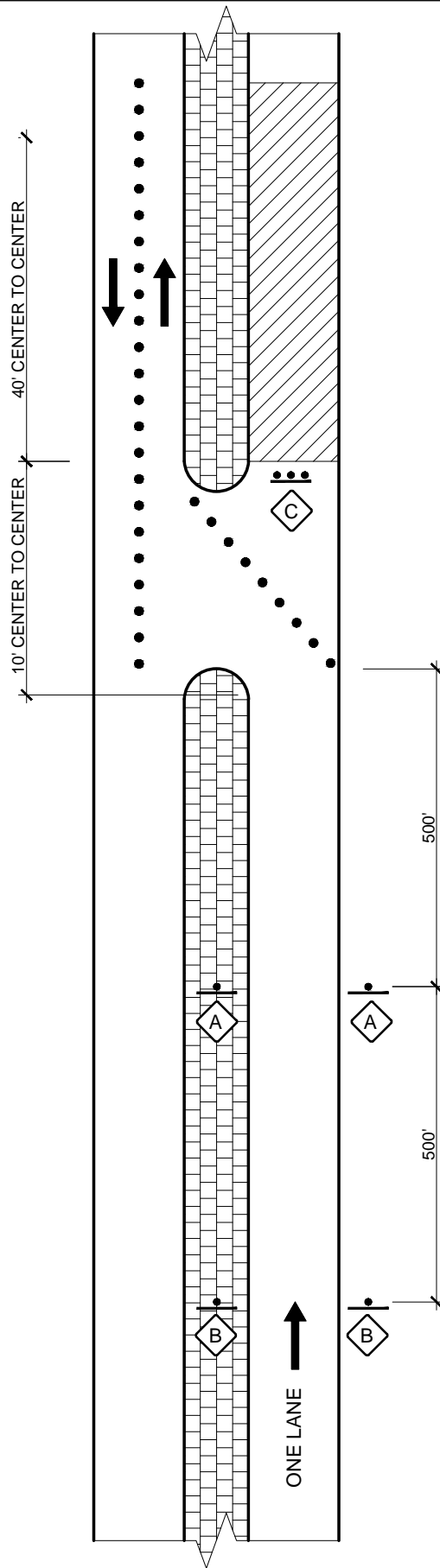


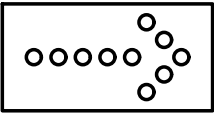
GUARD RAIL DETAIL


SYMBOL	DESCRIPTION
●	CHANNELING DEVICE
●●●	TYPE III BARRICADE
	WORK AREA

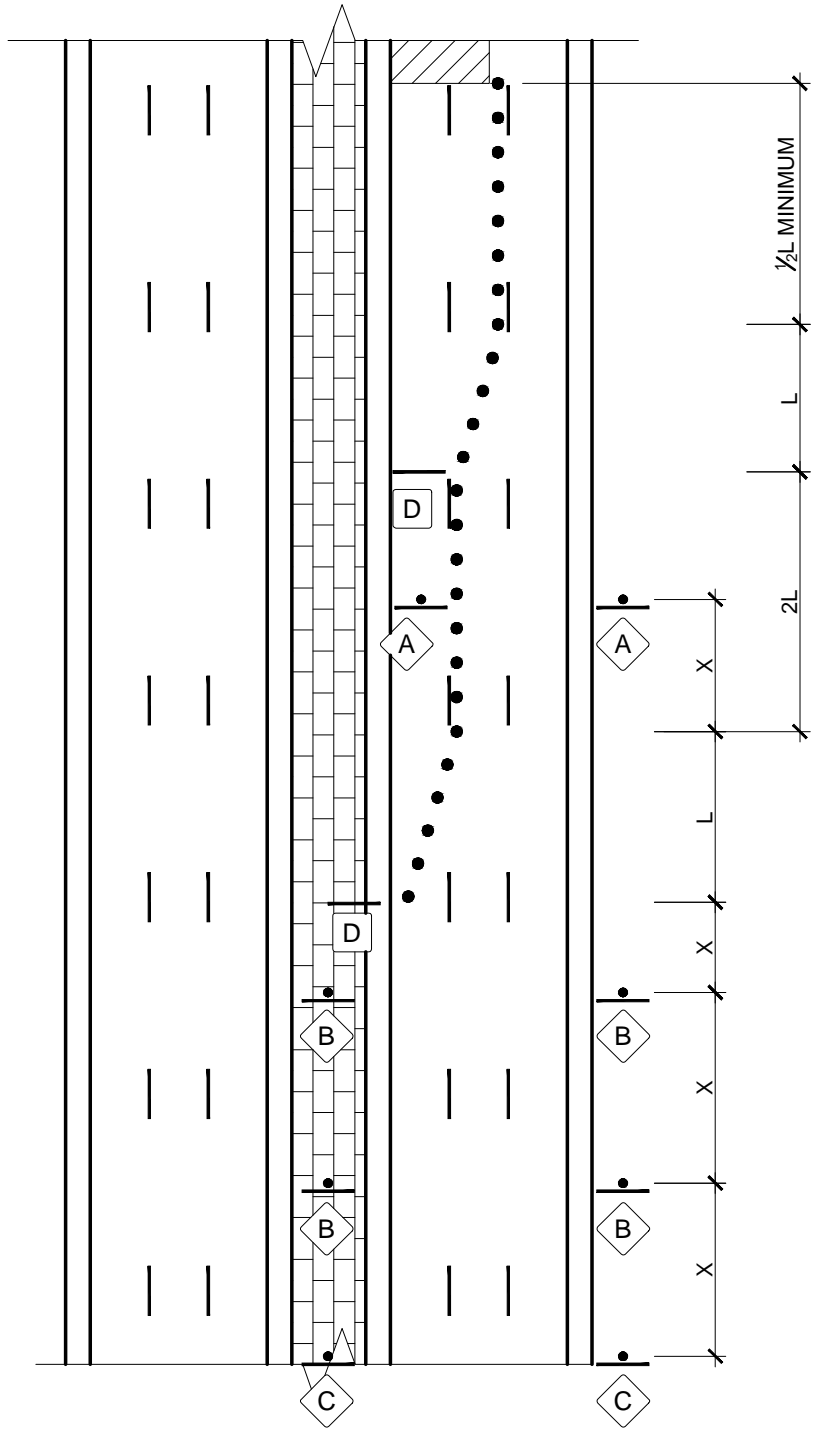
TYPE	SIGN
A	 CW1-3  CW13-1
B	 CW6-2
C	 R11-2

* - DIMENSIONS MAY VARY.
 XX - TO BE DETERMINED BY ENGINEER.



TYPE	SIGN
A	LEFT LANE CLOSED AHEAD
B	LEFT TWO LANES CLOSED AHEAD
C	ROAD WORK AHEAD
D	



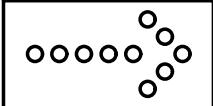
SYMBOL	DESCRIPTION
●	CHANNELING DEVICE
—●—	SIGN MOUNT
	WORK AREA

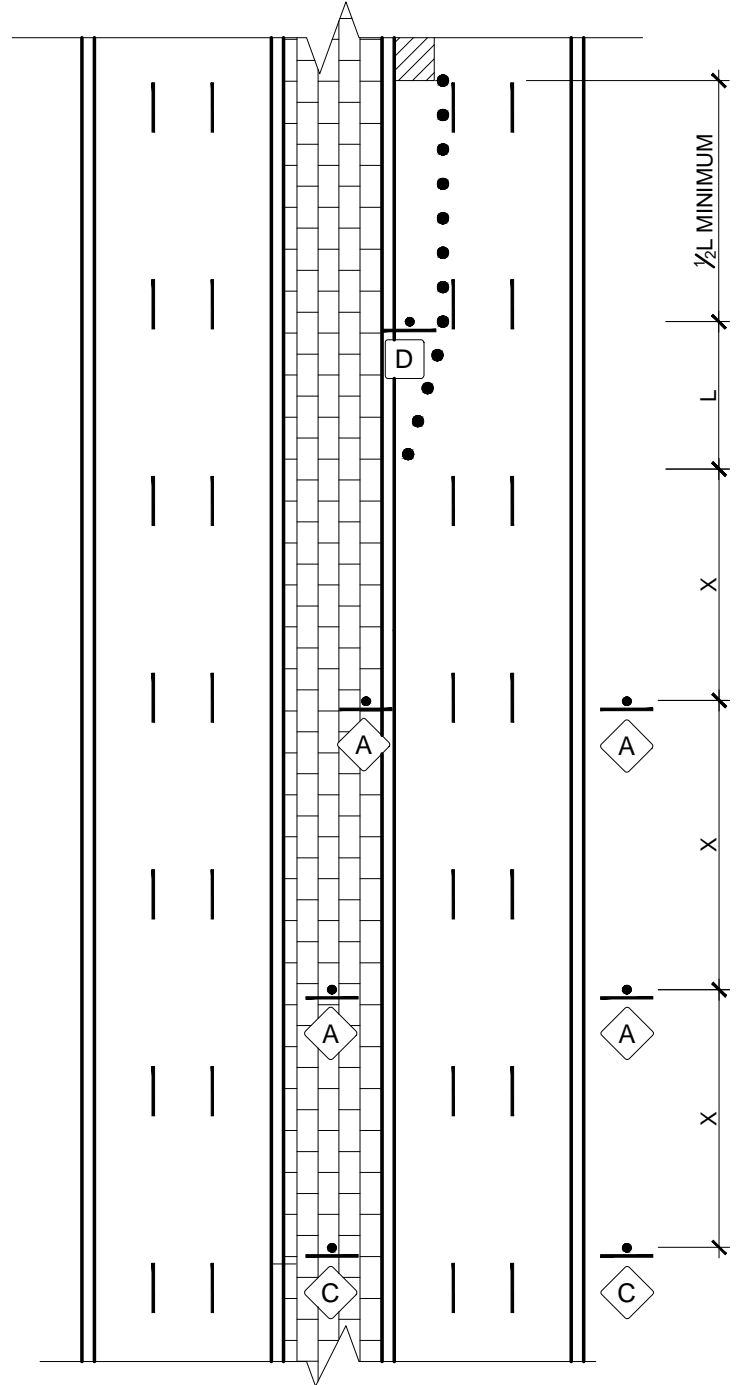


POSTED SPEED (MPH)	"X" SIGN SPACINGS (FEET)	"L" TAPER LENGTH (FEET)
30 or LESS	120	180
35	160	245
40	240	320
45	320	540
50	400	600
55	500	660
60	600	720
65	700	780
70	800	840

* TAPER LENGTH MAY BE REDUCED IF OFFSET IS LESS THAN 12 FEET.

SYMBOL	DESCRIPTION
●	CHANNELING DEVICE
—●—	SIGN MOUNT
▨	WORK AREA

TYPE	SIGN
A	
C	
D	



POSTED SPEED (MPH)	"X" SIGN SPACINGS (FEET)	"L" TAPER LENGTH (FEET)
30 or LESS	120	180
35	160	245
40	240	320
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CITY OF ALLEN
DEPARTMENT OF ENGINEERING

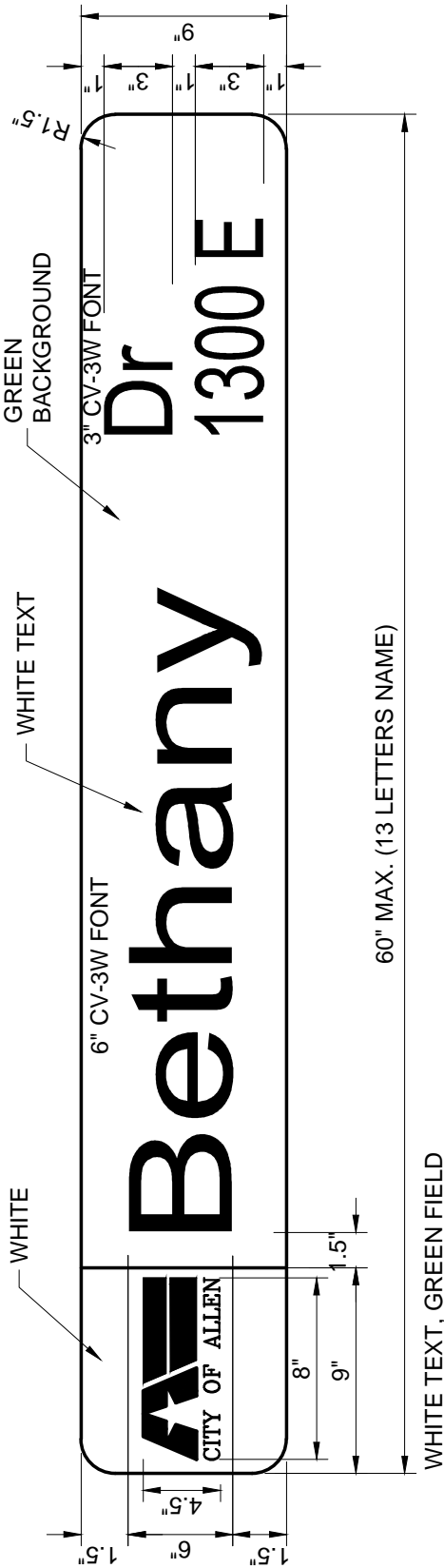
ONE LANE- LANE CLOSURE

STANDARD CONSTRUCTION DETAILS
TRAFFIC

DATE:
FEB. 2007

REV DATE:
JUNE 2011

SHEET :
SD-T05



NOTES :

CONTRACTOR SHALL PLACE SIGNS IN CONFORMANCE WITH THE 2011 "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS".

BLOCK NUMBERS (CARDINAL DIRECTION) SHALL BE INCLUDED ON SIGNS AND VERIFIED PRIOR TO SIGN FABRICATION.

CONTRACTOR SHALL SUBMIT THE SIGN DESIGN TO THE CITY OF ALLEN TRAFFIC ENGINEER FOR APPROVAL PRIOR TO SIGN FABRICATION.

ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS SHALL CONFORM WITH THE STATE OF TEXAS "STANDARD HIGHWAY SIGN DESIGNS, 2012", LATEST EDITION AND ANY APPROVED CHANGES THERETO.

LATERAL SPACING OF TEXT SHALL BE AS TO PROVIDE A BALANCED APPEARANCE.

SIGN BACKGROUNDS SHALL BE OF FLAT SURFACE REFLECTIVE SHEETING (DG3 SHEETING) CONFORMING WITH THE COA SPECIFICATIONS.

SIGN LEGENDS SHALL BE APPLIED USING E.C. FILM ONLY. SHEETING AND EC FILM MUST BE FROM MATCHING SIGNING SYSTEM (3M).

SIGN BLANKS SHALL BE ONE PIECE SHEET ALUMINUM ALLOY 0.125" THICK CONFORMING TO THE TXDOT ITEM "ALUMINUM SIGNS (TYPE A)".

CITY OF ALLEN LOGO STICKER (9" X 9") WILL BE PROVIDED TO THE CONTRACTOR BY THE CITY. CONTRACTOR SHALL CONTACT MIKE KEALY WITH THE CITY OF ALLEN (214-509-3160) TO OBTAIN LOGOS AND VERIFY THE PLACEMENT OF LOGO ON THE STREET NAME SIGN AT COST TO THE CONTRACTOR.

ALL FOUR-SIDED SIGNS SHALL HAVE 1.5-INCH RADIUS CORNERS. ALL SIGNS SHALL BE EC FILM OVER TYPE XI (DG3) SHEETING. ALL SIGN SIZES AND FONTS SHALL CONFORM TO 2011 TEXAS MUTCD. ALL GROUND MOUNTED SIGNS SHALL BE GALVANIZED 12-GAUGE YIELDING BREAKAWAY GROUND MOUNTED SIGN SYSTEM. THE SYSTEM SHALL CONSIST OF THE FOLLOWING THREE ELEMENTS. 1) 12-FOOT LONG 2-INCH SQUARE POLES WITH HOLES. 2) 30-INCH LONG 2.25-INCH SQUARE BASE, AND 3) 18-INCH LONG 2.5-INCH SQUARE SLEEVE.

RIVETS FOR SIGN INSTALLATION SHALL MEET THE FOLLOWING CHARACTERISTICS:

- HEAD DIAMETER = 1"
- LENGTH = 5/8"
- STEM DIAMETER = 3/8"



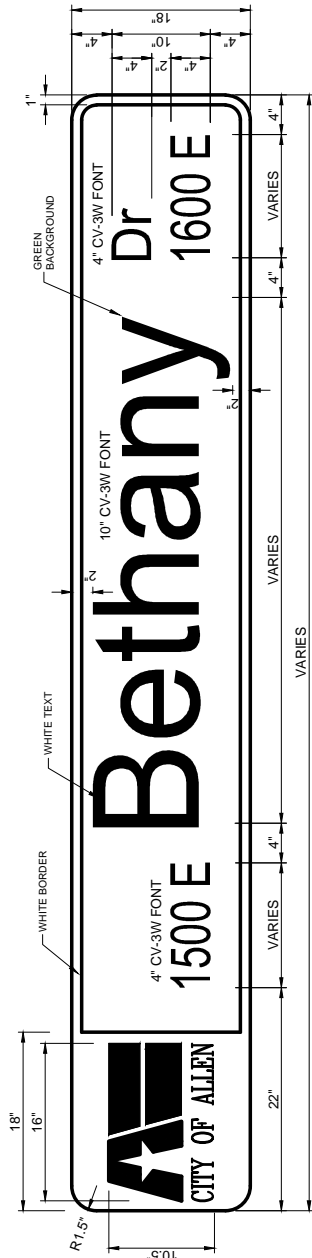
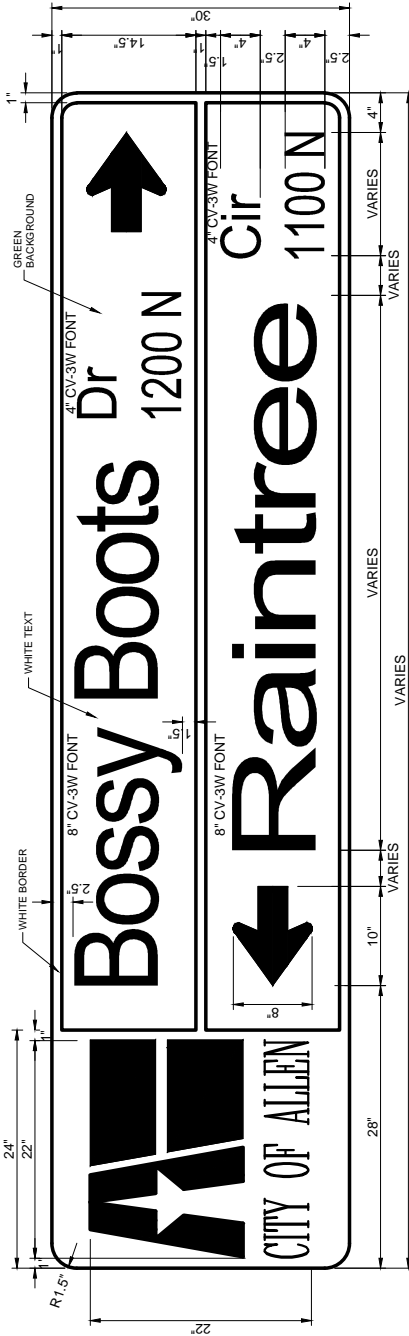
9" STREET NAME BLADE

**STANDARD CONSTRUCTION DETAILS
TRAFFIC**

DATE:
FEB. 2007

REV DATE:
APRIL 2014

SHEET :
SD-T06



1" WHITE BORDER, WHITE TEXT, GREEN FIELD

NOTES :

CONTRACTOR SHALL PLACE SIGNS IN CONFORMANCE WITH THE 2011 "TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

BLOCK NUMBERS AND CARDINAL DIRECTION SHALL BE INCLUDED ON SIGNS AND VERIFIED PRIOR TO SIGN FABRICATION.

CONTRACTOR SHALL SUBMIT THE SIGN DESIGN TO THE CITY OF ALLEN TRAFFIC ENGINEER FOR APPROVAL PRIOR TO SIGN FABRICATION.

ALPHABETS AND LATERAL SPACING BETWEEN LETTERS AND NUMERALS SHALL CONFORM WITH THE STATE OF TEXAS "STANDARD HIGHWAY SIGN DESIGNS, 2012", LATEST EDITION AND ANY APPROVED CHANGES THERETO.

LATERAL SPACING OF TEXT SHALL BE AS TO PROVIDE A BALANCED APPEARANCE.

SIGN BACKGROUNDS SHALL BE OF FLAT SURFACE REFLECTIVE SHEETING (TYPE XI DG3 SHEETING) CONFORMING WITH THE COA SPECIFICATIONS.

SIGN LEGENDS SHALL BE APPLIED USING E.C. FILM ONLY. SHEETING AND EC FILM MUST BE FROM MATCHING SIGNING SYSTEM (3M).

SIGN BLANKS SHALL BE ONE PIECE SHEET ALUMINUM ALLOY 0.080" THICK CONFORMING TO THE TXDOT ITEM "ALUMINUM SIGNS (TYPE A)".

CITY OF ALLEN LOGO STICKER (18" X 18" & 24" X 24") WILL BE PROVIDED TO THE CONTRACTOR BY THE CITY. CONTRACTOR SHALL CONTACT MIKE KEALY WITH THE CITY OF ALLEN (214-509-3160) TO OBTAIN LOGOS AND VERIFY THE PLACEMENT OF LOGO ON THE STREET NAME SIGN AT COST TO THE CONTRACTOR.

ALL SIGNS SHALL BE 0080 GAUGE ANODIZED ALUMINUM EXCEPT FOR 9-INCH STREET NAME BLADES. ALL FOUR-SIDED SIGNS SHALL HAVE 1.5-INCH RADIUS CORNERS. ALL SIGNS SHALL BE EC FILM OVER TYPE XI (DG3) SHEETING. ALL SIGN SIZES AND FONTS SHALL CONFORM TO 2011 TEXAS MUTCD. ALL GROUND MOUNTED SIGNS SHALL BE GALVANIZED 12-GAUGE YIELDING BREAKAWAY GROUND MOUNTED SIGN SYSTEM. THE SYSTEM SHALL CONSIST OF THE FOLLOWING THREE ELEMENTS. 1) 12-FOOT LONG 2-INCH SQUARE POLES WITH HOLES; 2) 30-INCH LONG 2.25-INCH SQUARE BASE; AND 3) 18-INCH LONG 2.5-INCH SQUARE SLEEVE.

RIVETS FOR SIGN INSTALLATION SHALL MEET THE FOLLOWING CHARACTERISTICS:

- HEAD DIAMETER = 1"
- LENGTH = 5/8"
- STEM DIAMETER = 3/8"



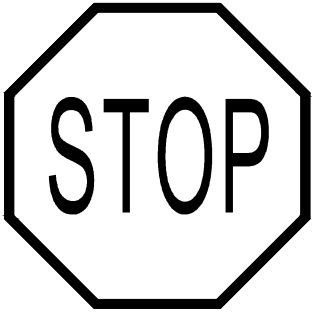
18" & 30" OVERHEAD/MAST ARM STREET NAME BLADE

STANDARD CONSTRUCTION DETAILS TRAFFIC

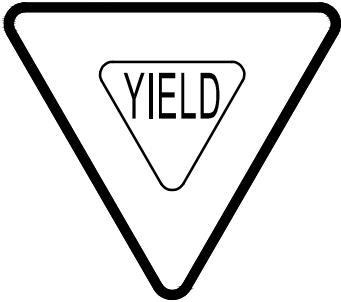
DATE: FEB. 2007

REV DATE: APRIL 2014

SHEET : SD-T07



STOP SIGNS SHALL BE 30-INCHES OR LARGER.



YIELD SIGNS SHALL BE 36-INCHES OR LARGER.



ALL SIGNS SHALL BE 0.080 GAUGE ANODIZED ALUMINUM. ALL FOUR-SIDED SIGNS SHALL HAVE 1.5-INCH RADIUS CORNERS. ALL SIGNS SHALL BE EC FILM OVER TYPE XI (DG-3) SHEETING. ALL SIGN SIZES AND FONTS SHALL CONFORM TO 2011 TEXAS MUTCD. ALL GROUND MOUNTED SIGNS SHALL BE GALVANIZED 12-GAUGE YIELDING BREAKAWAY GROUND MOUNTED SIGN SYSTEM. THE SYSTEM SHALL CONSIST OF THE FOLLOWING THREE ELEMENTS. 1) 12-FOOT LONG 2-INCH SQUARE POLES WITH HOLES. 2) 30-INCH LONG 2.25-INCH SQUARE BASE, AND 3) 18-INCH LONG 2.5-INCH SQUARE SLEEVE.

RIVETS FOR SIGN INSTALLATION SHALL MEET THE FOLLOWING CHARACTERISTICS:

- HEAD DIAMETER = 1"
- LENGTH = 5/8"
- STEM DIAMETER = 3/8"



ALL WARNING SIGNS SHALL BE TYPE XI (DG3) FLOURESCENT YELLOW SHEETING. ALL PEDESTRIAN CROSSING SIGNS SHALL BE TYPE XI (DG3) FLOURESCENT YELLOW GREEN SHEETING.



CITY OF ALLEN
DEPARTMENT OF ENGINEERING

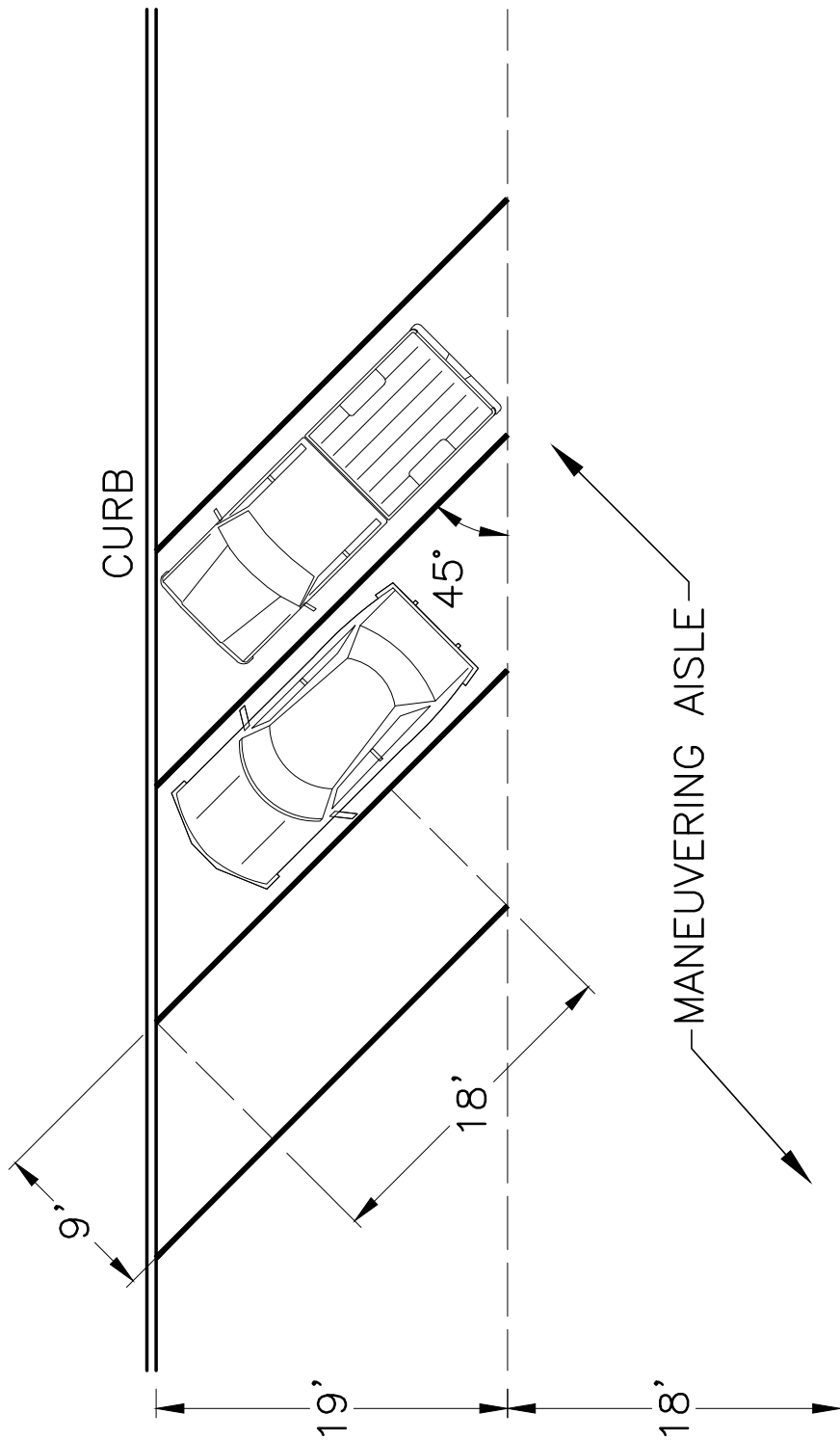
REGULATORY SIGNS

STANDARD CONSTRUCTION DETAILS
TRAFFIC

DATE:
FEB. 2010

REV DATE:
JULY 2012

SHEET :
SD-T08



CITY OF ALLEN
DEPARTMENT OF ENGINEERING

45° PARKING

STANDARD CONSTRUCTION DETAILS
TRAFFIC

DATE:
MARCH 2011

SHEET :
SD-T09

