

STANDARD  
CONSTRUCTION  
DETAILS

TRAFFIC

AUGUST 2010

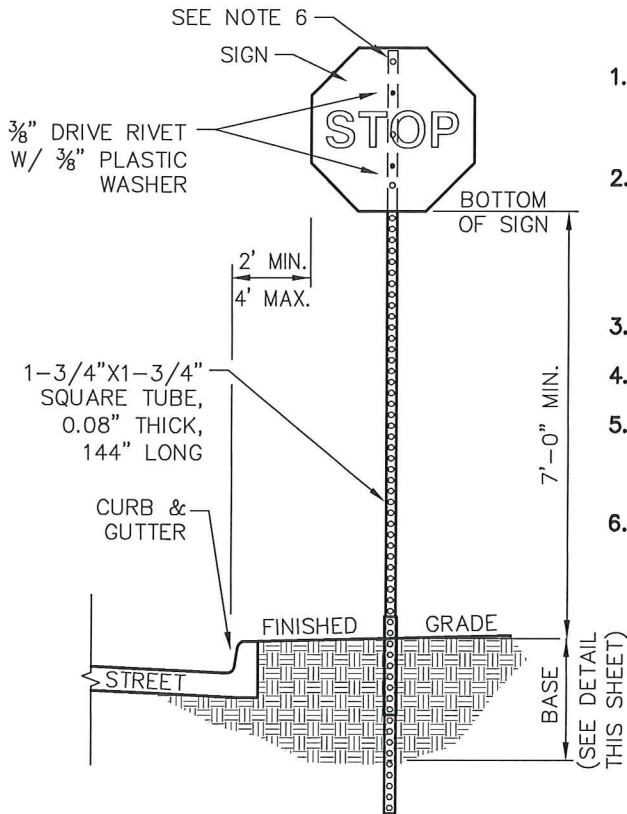


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## TRAFFIC

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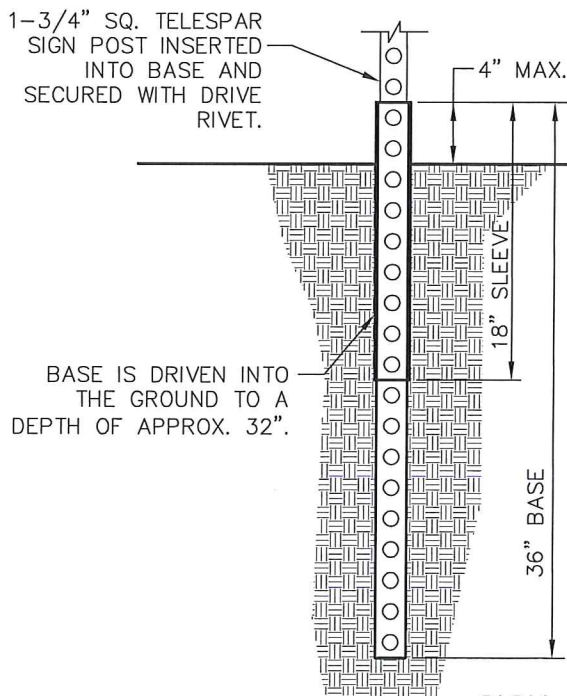


**TYPICAL POST DETAIL**

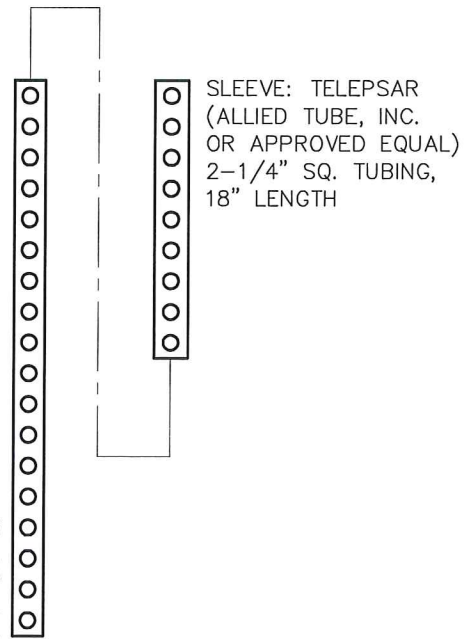
NTS

**TRAFFIC CONTROL NOTES:**

1. ALL SIGNAGE, BARRICADES, AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE LATEST REVISIONS OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (2006) AND THE STANDARD HIGHWAY SIGN DESIGNS FOR TEXAS (2010).
2. LOCATIONS SHOWN FOR SIGNAGE AND PAVEMENT MARKINGS ARE APPROXIMATE; FINAL LOCATIONS MAY CHANGE DUE TO POST CONSTRUCTION CONDITIONS AND PRESENCE OF OTHER PHYSICAL FEATURES. FINAL LOCATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE FIELD VERIFIED WITH THE PUBLIC WORKS DEPARTMENT PRIOR TO INSTALLATION.
3. ALL SIGNS SHALL BE HIGH INTENSITY AND THE SIZES SHALL BE STANDARD UNLESS OTHERWISE NOTED.
4. ALL SIGNS, POSTS, AND MATERIALS SHALL BE INSTALLED PER DETAILS IN THIS MANUAL.
5. FOR STOP SIGNS THAT WILL ACCEPT FUTURE STREET SIGNS, EXTEND POST ABOVE THE STOP SIGN SO THAT 2 HOLES ARE AVAILABLE FOR MOUNTING. FOR ALL OTHERS, POST SHALL NOT EXTEND ABOVE THE SIGN.
6. CHANGES TO TYPICAL SIGN POST LOCATION MADE AT ENGINEER'S DISCRETION.



**SIGN BASE DETAIL IN TURF**



*Addison!*

PUBLIC WORKS DEPARTMENT

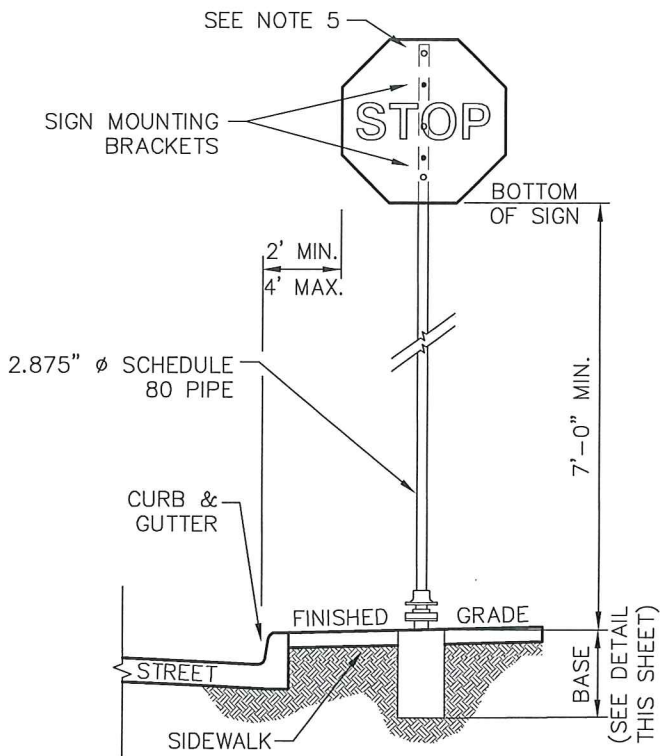
SIGN POST IN TURF  
DETAIL

STANDARD CONSTRUCTION DETAILS  
TRAFFIC

DATE:  
AUGUST, 2010

REV DATE:  
-

SHEET :  
SD-T01



**TYPICAL POST  
DETAIL**

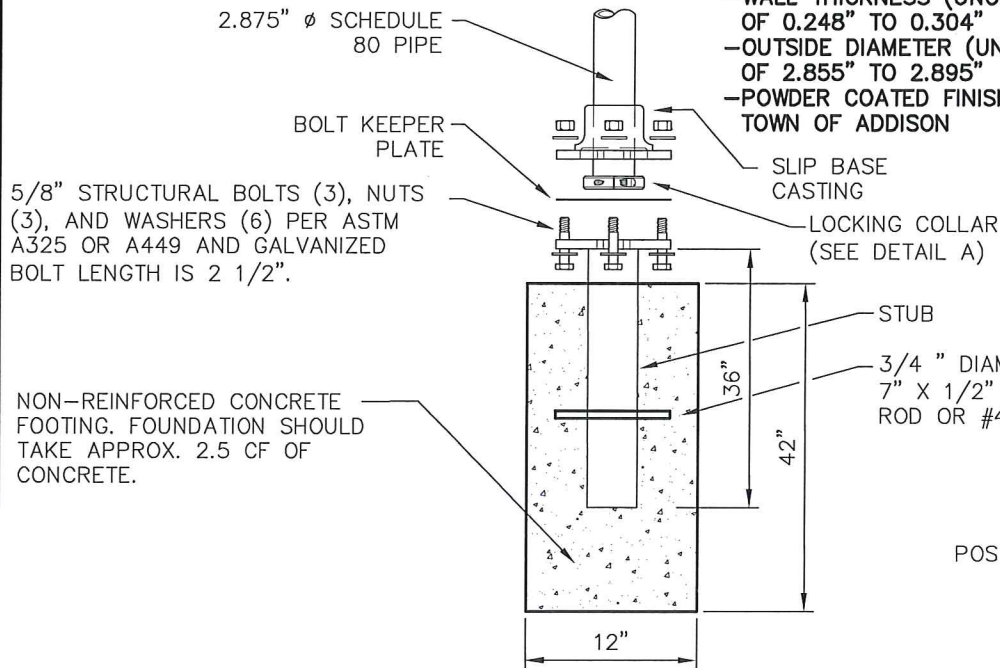
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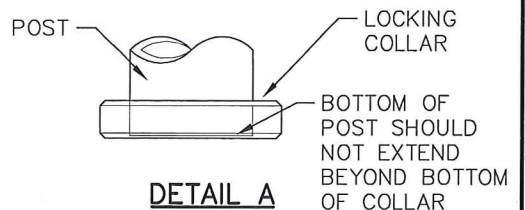
**SPECIFICATIONS FOR SCHEDULE 80 PIPE (2.875" OUTSIDE DIAMETER)**

- 0.267" NOMINAL WALL THICKNESS
- STEEL TUBING PER ASTM A500 Gr C
- OTHER SEAMLESS OR ELECTRIC-RESISTANCE WELDED STEEL TUBING OR PIPE WITH EQUIVALENT
- OUTSIDE DIAMETER AND WALL THICKNESS MAY BE USED IF THEY MEET THE FOLLOWING:
  - 46,000 PSI MINIMUM YIELD STRENGTH
  - 62,000 PSI MINIMUM TENSILE STRENGTH
  - 21% MINIMUM ELONGATION IN 2"
- WALL THICKNESS (UNCOATED) SHALL BE WITHIN THE RANGE OF 0.248" TO 0.304"
- OUTSIDE DIAMETER (UNCOATED) SHALL BE WITHIN THE RANGE OF 2.855" TO 2.895"
- POWDER COATED FINISH, COLOR TO BE SELECTED BY THE TOWN OF ADDISON



**SIGN BASE DETAIL**

NTS



**DETAIL A**

NTS

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PUBLIC WORKS DEPARTMENT

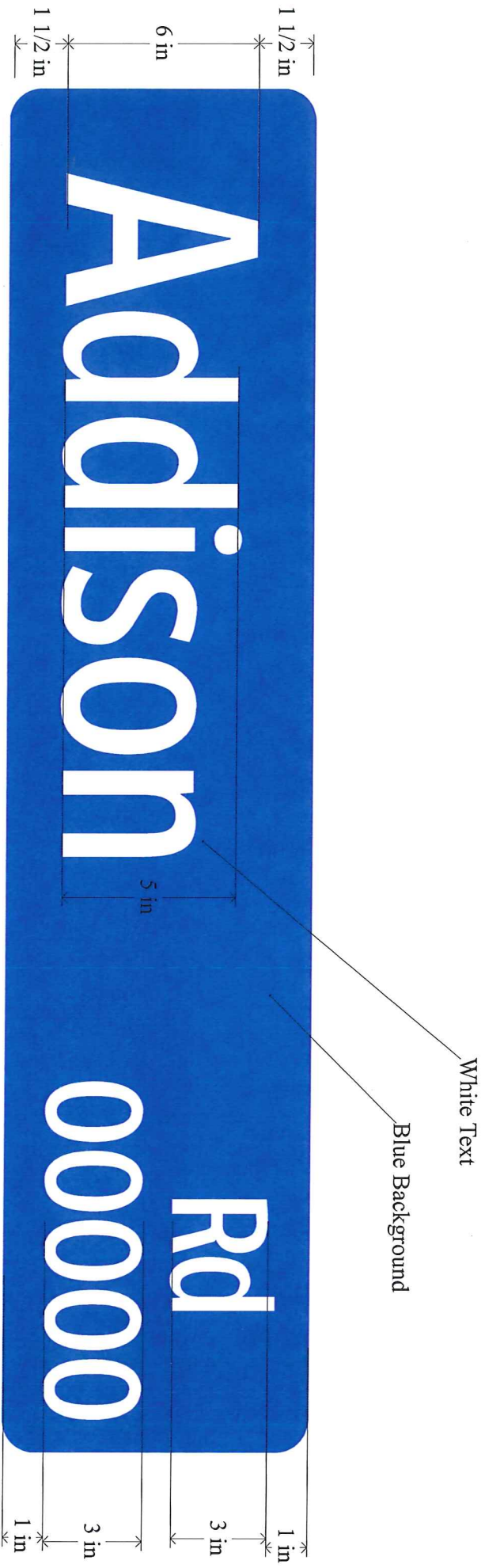
SIGN POST IN  
SIDEWALK DETAIL

STANDARD CONSTRUCTION DETAILS  
TRAFFIC

DATE:  
AUGUST, 2010

REV DATE:  
-

SHEET :  
SD-T02



Notes:

1. Contractor shall place signs in conformance with the 2009 "Manual on Uniform Traffic Control Devices".
2. Contractor shall submit the sign design to the Town of Addison Engineer for approval prior to sign fabrication.
3. The general layout of the sign shall be as shown in the graphic above.
4. The sign shall be fabricated on an aluminum substrate 0.080" thick, and shall be 9" in height. The length of the sign shall be proportionate to the street name. The substrate shall have an appropriate radius on all four corners and shall be flat in design. (Extruded substrates are not acceptable)
5. Sign backgrounds shall be sheeted with White high Intensity Prismatic sheeting (type IV).
6. Sign legends shall be applied using EC Film overlay. Sheeting and EC Film material will be of same manufacture.
7. Street name lettering shall be 6" first letter and 5" there after. The suffix and block numbers are to be 3". The font of all lettering and numbers shall be Clearview 2W series.

WHITE THERMO LETTERING  
"ONLY" TO BE USED ON  
PRINCIPLE ARTERIALS AT  
INTERSECTIONS

WHITE THERMO TURN  
ARROW 125 MIL.  
THICKNESS

SEE DETAIL "A" ON  
TYPICAL PAVEMENT  
MARKING DETAIL  
SHEET

24" TYPE 1 WHITE  
THERMO STOP BAR  
125 MIL. THICKNESS

12" TYPE 1 WHITE  
THERMO  
TRANSVERSE  
CROSS WALK 125  
MIL. THICKNESS

ARTERIAL

8" WHITE TYPE I SOLID  
THERMO. 90 MIL. THICKNESS

WHITE R.P.M. TYPE II C-R

SEE DETAIL "B" ON  
TYPICAL PAVEMENT  
MARKING DETAIL  
SHEET

12" YELLOW TYPE I THERMO  
90 MIL. THICKNESS

4" WHITE STANDARD  
DASHED LINE THERMO 90  
MIL. THICKNESS

4" DOUBLE YELLOW TYPE I  
THERMO 90 MIL. THICKNESS

COLLECTOR

**NOTE:**

1. BUTTONS AND MARKERS TO BE PLACED USING EPOXY ON CONCRETE AND BITUMINOUS COMPOUND ON ASPHALT.
2. SEE SHEET SD-T05 FOR LANE MARKING DETAILS.

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PUBLIC WORKS DEPARTMENT

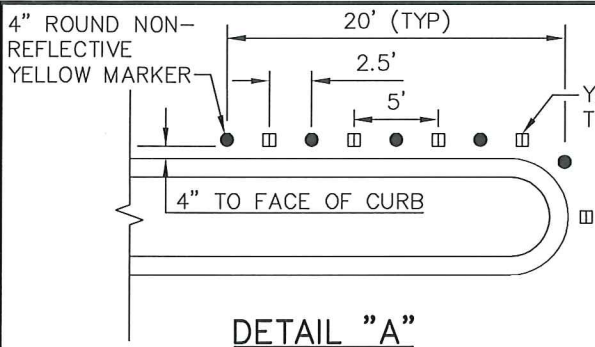
TYPICAL PAVEMENT  
MARKING LAYOUT

STANDARD CONSTRUCTION DETAILS  
TRAFFIC

DATE:  
AUGUST, 2010

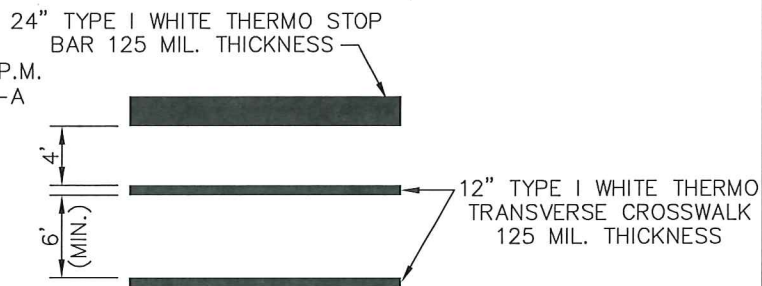
REV DATE:  
-

SHEET :  
SD-T04



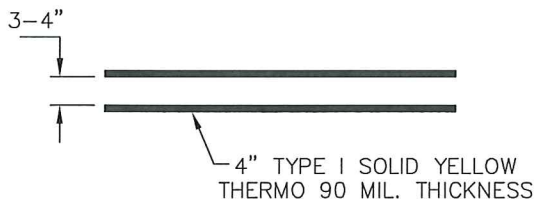
**DETAIL "A"**

NTS



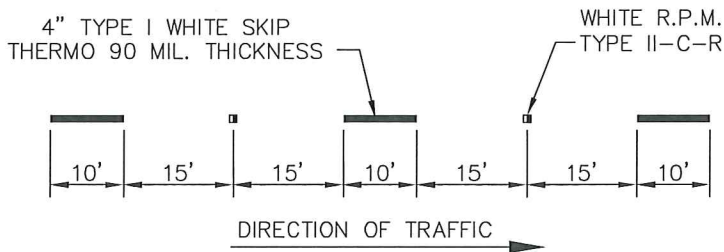
**CROSSWALK STRIPING LAYOUT**

NTS



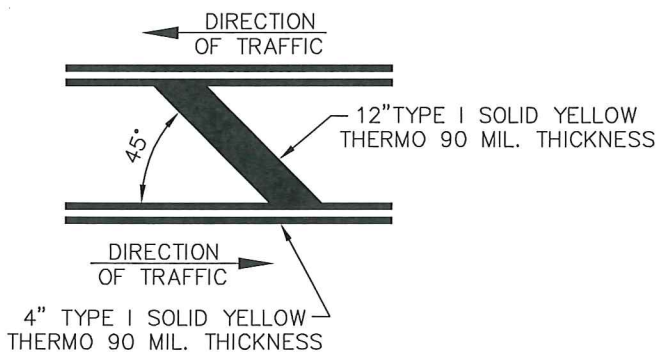
**STANDARD DOUBLE YELLOW LINE**

NTS



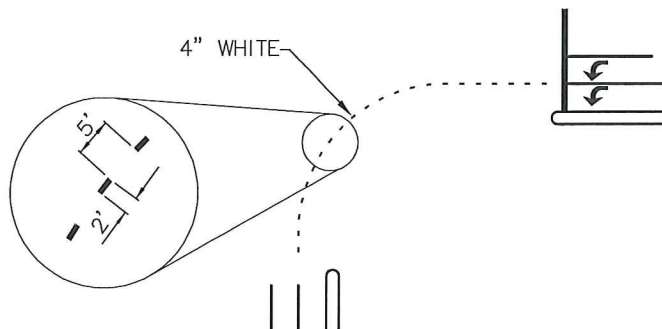
**STANDARD DASHED LINE**

NTS



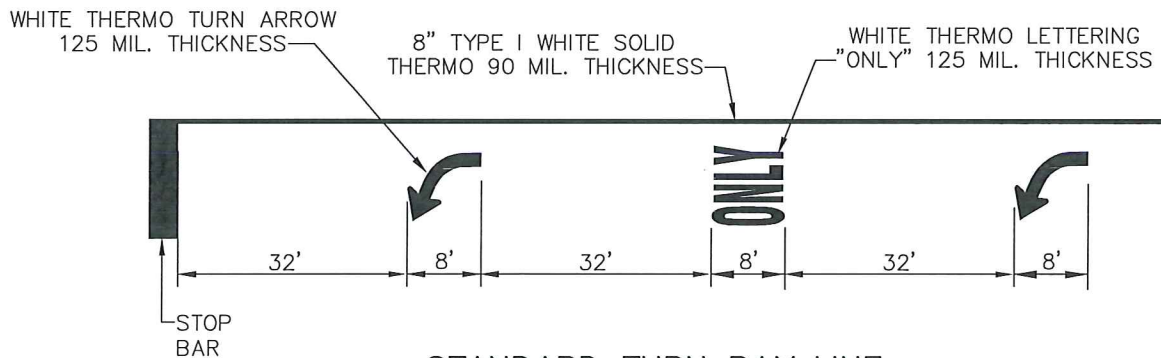
**DETAIL "B"**

NTS



**"PUPPY TRACK" MARKING LAYOUT**

NTS



**STANDARD TURN BAY LINE**

NTS

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PUBLIC WORKS DEPARTMENT

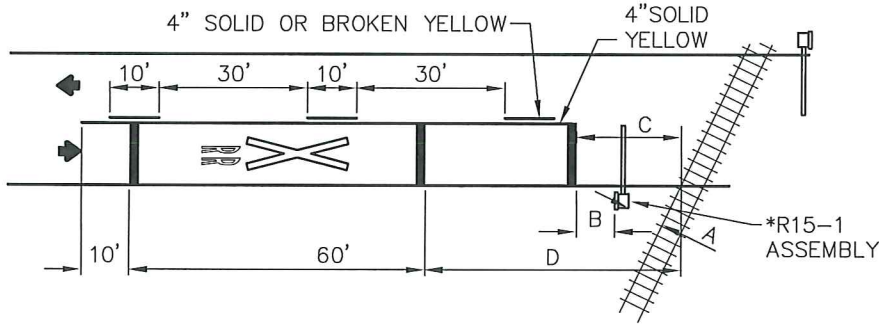
TYPICAL PAVMENT MARKING DETAILS

STANDARD CONSTRUCTION DETAILS TRAFFIC

DATE: AUGUST, 2010

REV DATE: -

SHEET : SD-T05



**TWO LANE, TWO-WAY**

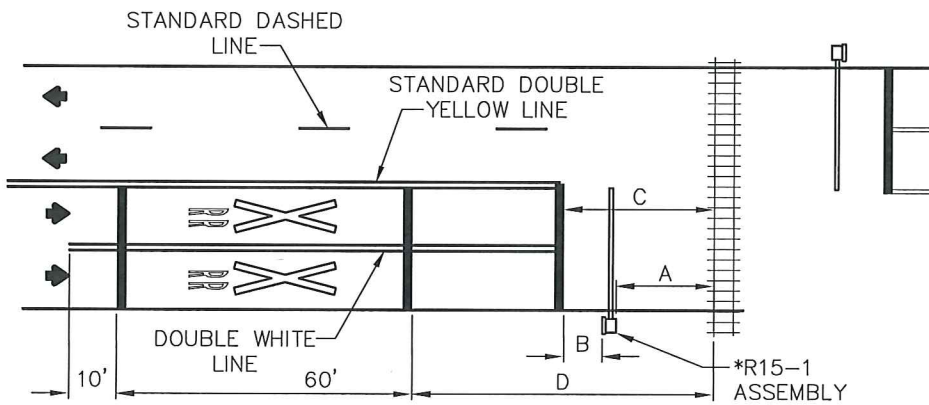
A = 12 FEET MIN., 15 FEET USUAL.  
IF AUTOMATIC GATES ARE PRESENT DISTANCE "A" SHOULD BE MEASURED FROM NEAREST EDGE OF AUTOMATIC GATES TO RAILS.

B = STOP LINES SHOULD BE PLACED ON 8 FOOT MIN. DISTANCE IN ADVANCE OF R15-1.

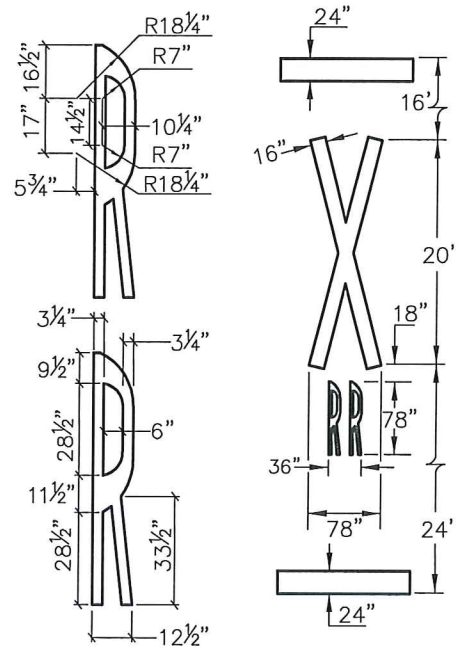
C = 15 FEET DESIRABLE MINIMUM. R15-1 SHOULD BE PLACED BETWEEN STOP LINE AND RAILS WITH ADEQUATE DISTANCE PROVIDED FOR "A".

D = APPROACH SPEED (MPH)	DESIREABLE PACEMENT
	3050'(MIN)
	90' USUAL
	3570'-170'
	40150'-250'
	45235'-335'
	50315'-415'
	55400'-UP (500'USUAL)

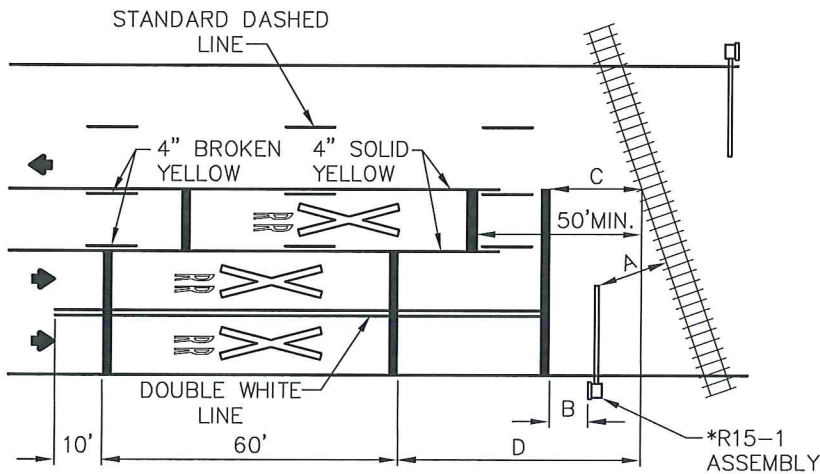
\*R15-1 ASSEMBLY MAY CONSIST OF R15-1 AND/OR R15-2, TYPE A, TYPE E OR TYPE F ASSEMBLY.



**UNDIVIDED MULTILANE ROADWAY**



**RAILROAD CROSSING MARKINGS**



**TWO-WAY LEFT TURN LANE (TWLTL)**

*Addison!*

PUBLIC WORKS DEPARTMENT

RAILROAD CROSSING MARKINGS

STANDARD CONSTRUCTION DETAILS TRAFFIC

DATE: AUGUST, 2010

REV DATE: -

SHEET : SD-T06