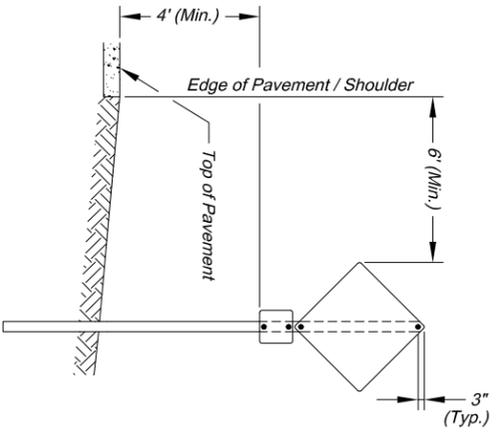
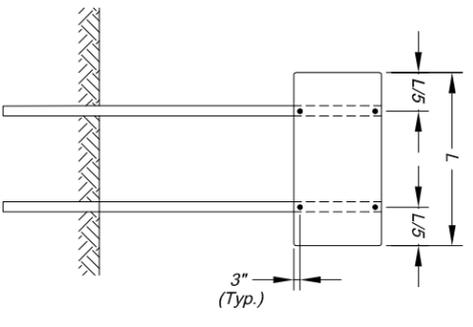


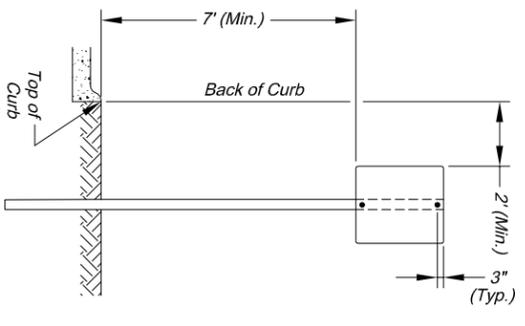
SIGN INSTALLATION FOR NON-CURBED STREET



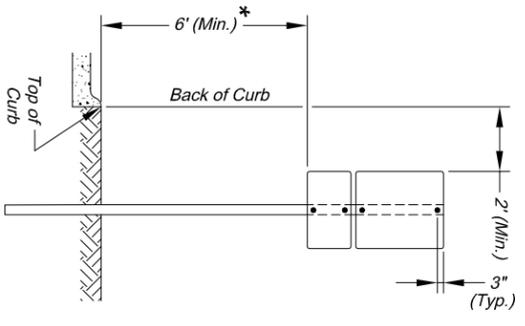
SIGN INSTALLATION WITH AUXILIARY SIGN FOR NON-CURBED STREET



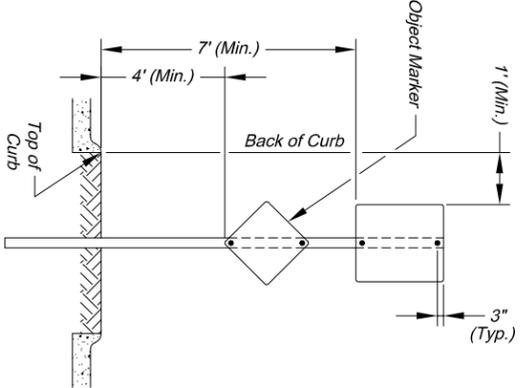
SIGN INSTALLATION WITH TWO SIGN POSTS



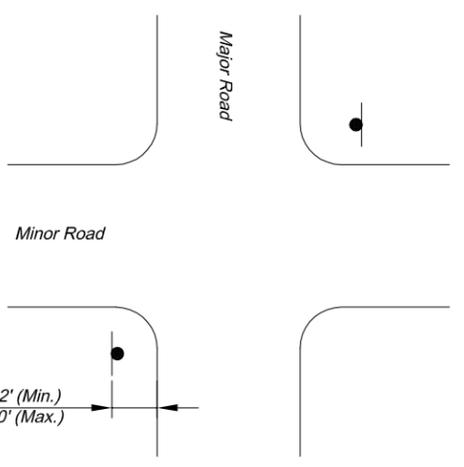
SIGN INSTALLATION FOR CURBED STREET



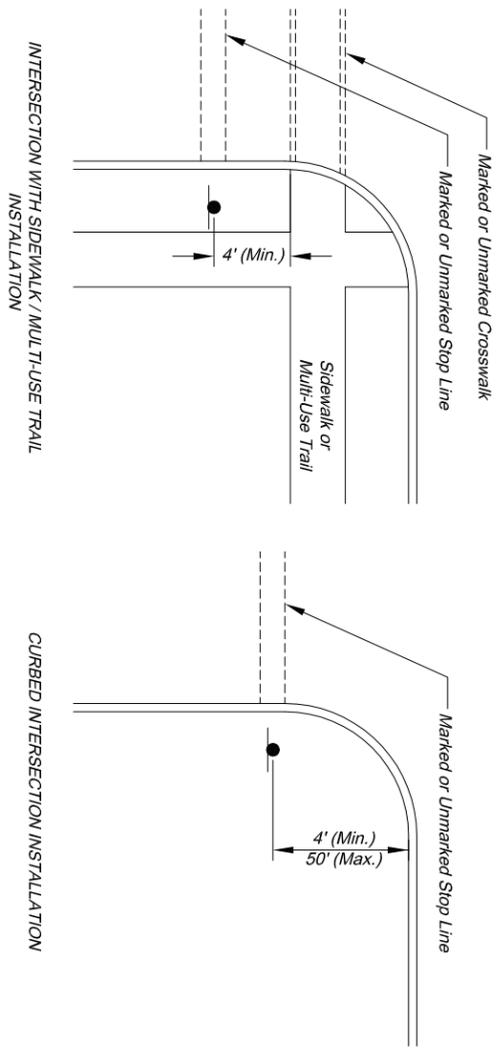
SIGN INSTALLATION WITH AUXILIARY SIGN FOR CURBED STREET



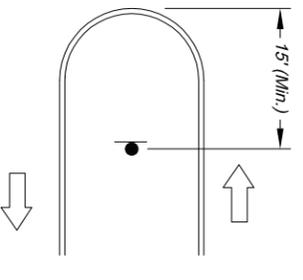
SIGN INSTALLATION FOR RAISED MEDIANS



NON-CURBED INTERSECTION INSTALLATION



CONTROL SIGN LOCATION



TYPICAL MEDIAN SIGN LOCATION

SIGN MOUNTING DETAILS

* The height to the bottom of a sign when it is located in a pedestrian walkway or extends into a walkway shall be a minimum of 80 inches above the walkway.

NOTE:

1. Generally, the sign mounting height should not be more than 1' greater than the minimum mounting height.

MEDIAN SIGN LOCATION

NOTES:

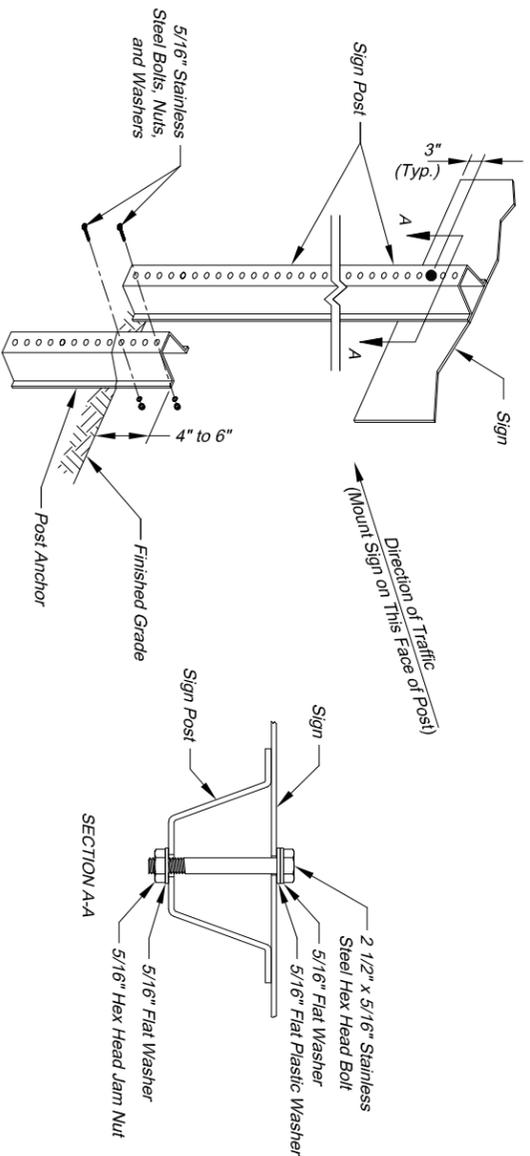
1. A 4" P.V.C. sleeve shall be installed in new concrete medians at each location where a sign is to be installed.
2. For existing concrete medians, a 4" hole shall be cored into the concrete.

Project:	
SIGN MOUNTING DETAILS	
Sheet Name:	STANDARD DRAWING SN-1



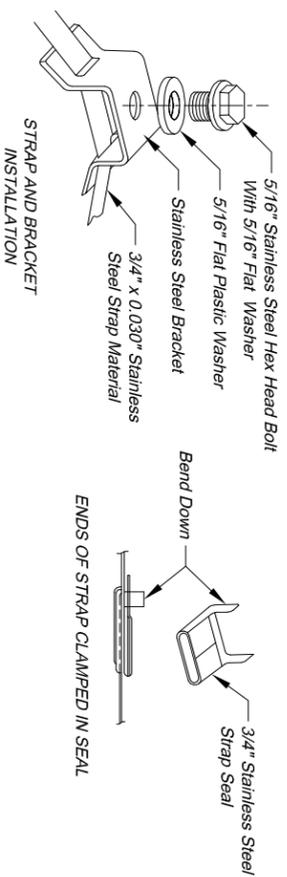
CITY OF LEE'S SUMMIT
 PUBLIC WORKS DEPARTMENT
 ENGINEERING DIVISION
 220 SE GREEN STREET
 LEE'S SUMMIT, MISSOURI 64063
 PHONE: (816) 969-1800 FAX: (816) 969-1809

Drawn By: AS
 Checked By: JW
 Date: 08/26/2009
 Project#



U-STEEL POST DETAILS

- U-STEEL POST NOTES:**
1. Splice shall be positioned entirely between finished grade line and 18" above finished grade line. Only one splice will be allowed per post.
 2. U-Steel post shall be 3 lb./ft., galvanized according to ASTM A123.
 3. U-Steel post can be used for installation of signs with an area of less than 2.5 square feet.
 4. All posts shall be embedded a minimum of 3 feet.

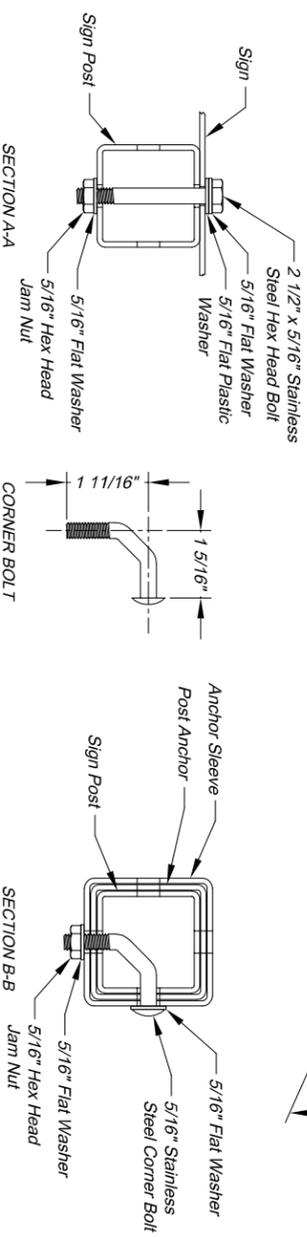
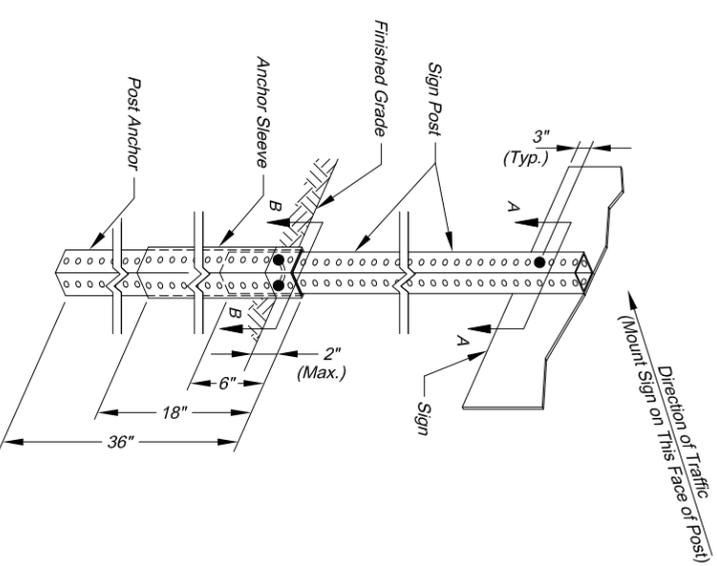


STRAP TYPE SIGN SUPPORT DETAILS

- METAL POLE SIGN MOUNTING NOTES:**
1. Signs on metal poles shall be attached with two brackets and stainless steel bands.
 2. Holes in sign for attachment to the mounting brackets shall be offset a minimum of 2 inches from the edge of the sign.
 3. Holes in sign shall be located such that the sign is level.
 4. All strap, bracket, and seal materials should be Type 201 stainless steel.

- PERMANENT SIGNING GENERAL NOTES:**
1. All signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD).
 2. The Contractor is responsible for avoiding any and all utilities when installing sign posts. Whether the utility is indicated on the plans or not.
 3. All workmanship and materials shall be subject to the inspection and approval of the Public Works Department of the City of Lee's Summit.
 4. The Contractor shall stake the location of all sign posts to be installed. The City Inspector shall inspect the staking prior to installation.
 5. Signs shown to be installed on the side of metal poles shall be mounted with stainless steel straps or wing brackets as detailed. No signs are to be installed on wood poles. See Traffic Signal Standard Drawings for the installation of signs on mast arms.
 6. All post mounted signs shall be installed with breakaway anchors according to the Standard Drawings.
 7. All existing signs will be used in place during construction and protected from damage unless otherwise indicated in the plans. If the Contractor damages any existing sign or posts during construction, the Contractor will be required to replace the damaged materials with new signs or posts of the same type and size at the Contractor's expense. The Contractor shall be responsible for removing and storing any signs that are to be reinstalled on the project. All equipment shall be reinstalled in good condition.
 8. Existing permanent signs and posts removed by the Contractor for construction purposes which are not to be reinstalled shall be delivered to the City's Public Works Maintenance Facility (1971 SE Hamblen Road). The Contractor shall be responsible for removing and storing equipment in good condition and is fully responsible for the equipment until it is delivered.
 9. All Stop, Yield, or street name signs shall be maintained in a conspicuous location for the driving public. All Stop and Yield signs removed for construction purposes can be temporarily erected in reflectorized drums (no less than 7 feet above the pavement surface) until they can be reinstalled. Any temporary Stop or Yield sign installation to be left in place overnight will require prior approval from the City Inspector.

- SQUARE STEEL POST INSTALLATION SEQUENCE:**
1. Sign post anchor driven partially into the ground using a drive cap with a sledge or power equipment.
 2. Anchor sleeve slipped over anchor and drive into the ground together with the sign post anchor.
 3. Insert sign post into the post anchor and bolt in place.



SQUARE STEEL POST DETAILS

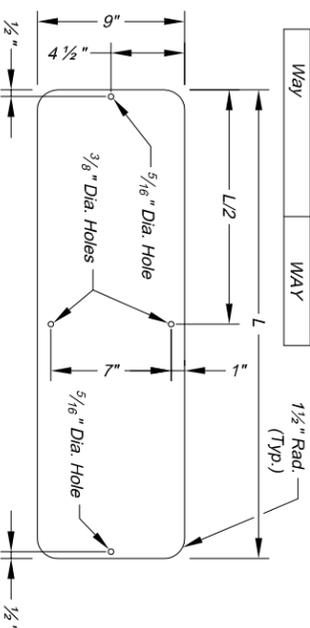
- SQUARE STEEL POST NOTES:**
1. Square steel sign posts and break-away anchor shall consist of the following materials:
 Sign Post - 14 Ga. 2 1/4" x 2" Square Steel Post
 Post Anchor - 12 Ga. 2 1/4" x 2 1/2" x 36" Square Steel Post
 Anchor Sleeve - 12 Ga. 2 1/2" x 2 1/2" x 18" Square Steel Post
 2. 14 Gauge posts must meet a certified minimum yield strength of 60,000 psi.
 3. In all installations the first hole above the finished grade line on the sign post, anchor, and anchor sleeve must be in line for the insertion of the corner bolt.
 4. The maximum area for one sign post is 9.0 square feet. A sign or combination of signs with an area greater than 9.0 square feet will require two posts. Also, signs with a width greater than 36" (not including 36" x 36" diamond shaped signs) will require two posts.

STANDARD ABBREVIATION LISTS

Named Streets	Abbreviation	Named Streets	Abbreviation
Avenue	AVE	First	ST
Boulevard	BLVD	Second	ND
Circle	CIR	Third	RD
Creek	CR	Fourth to Tenth	TH
Court	CT		
Crossing	XING		
Drive	DR		
Highway	HWY		
Lane	LN		
Parkway	PKWY		
Place	PL		
Road	RD		
Street	ST		
Terrace	TER		
Trail	TRL		
Way	WAY		

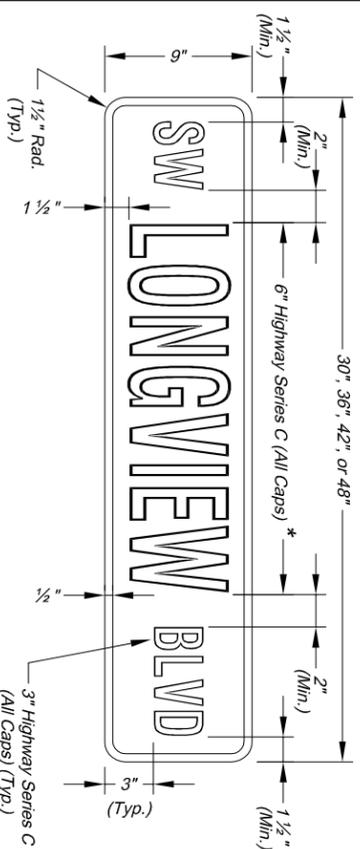
STREET NAME SIGN QUANTITIES

Sign Designation	Sign Size	Sign Area (Sq. Ft.)	Number	Quantity (Sq. Ft.)
D3-1 (SP-1)	9" x 9"	Sq. Ft.	1	1
D3-1 (SP-2)	9" x 9"			
D3-1 (SP-3)	9" x 9"			
D3-1 (SP-4)	9" x 9"			
D3-1 (SP-5)	9" x 9"			
D3-1 (SP-6)	9" x 9"			

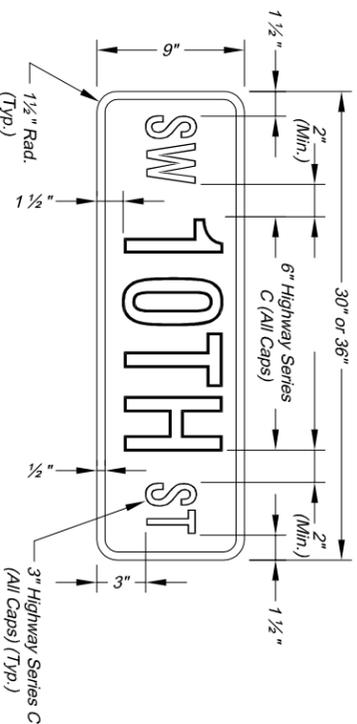


STREET NAME SIGN BLANK DETAILS

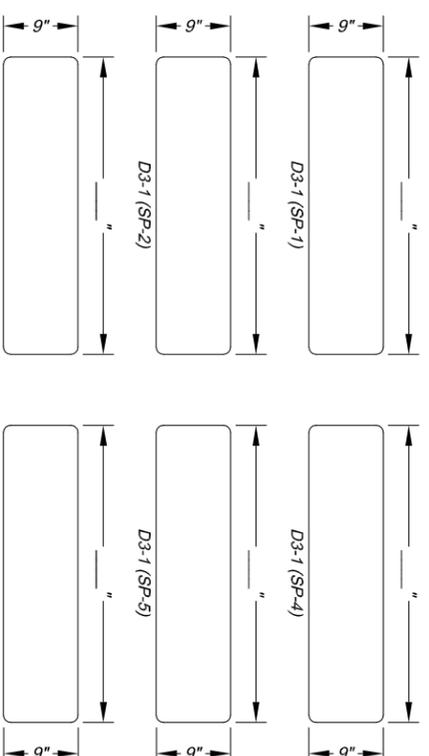
For Mounting on Square Steel Posts



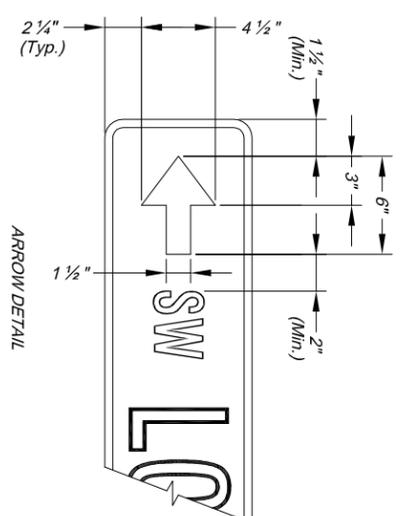
* Use Highway Series B (All Caps) in lieu of series C if necessary to fit text on a 36" sign blank.



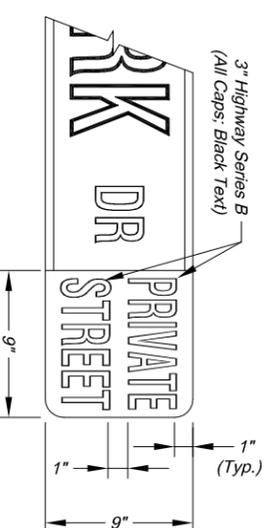
NUMBERED STREET NAME SIGN DETAIL



PROJECT SIGN DETAILS



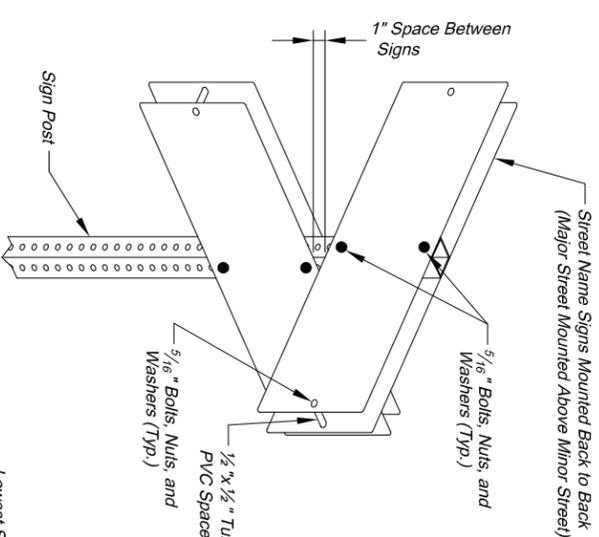
ARROW DETAIL



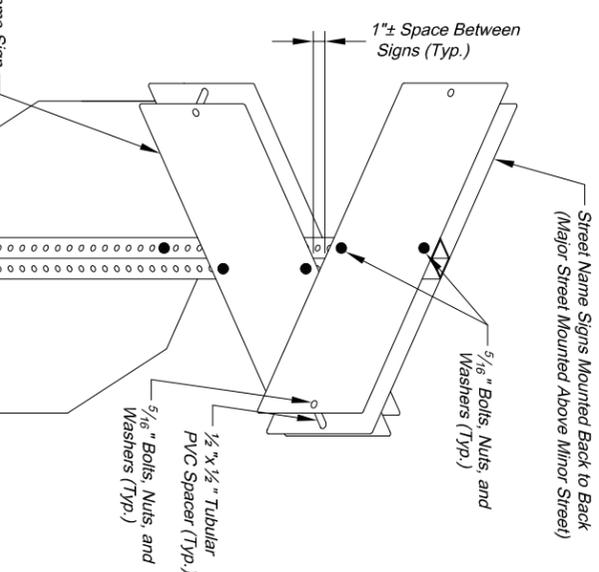
PRIVATE STREET TAG DETAIL

- NOTES:**
- For all street name signs, the legend shall be white and the background shall be green.
 - Arrows shall be added to street name signs where the name of a street changes at an intersection. Street name signs with arrows are to be installed on each side of the intersection to indicate the change in names. Arrows shall be white.
 - The "PRIVATE STREET" tag should be added to the end of street name signs to indicate where a street that is outside the right-of-way intersects a public street. The background for the "PRIVATE STREET" tag shall be yellow.

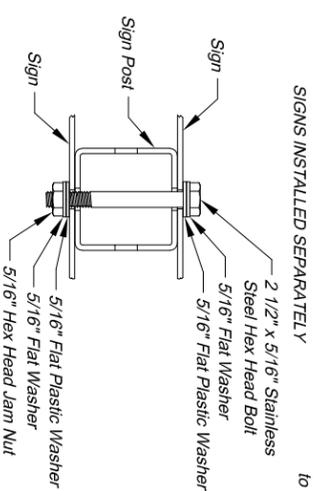
STREET NAME SIGN FACE DETAILS



Street Name Signs Mounted Above Back to Back (Major Street Mounted Above Minor Street)

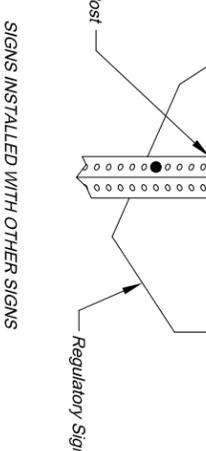


Street Name Signs Mounted Above Back to Back (Major Street Mounted Above Major Street)



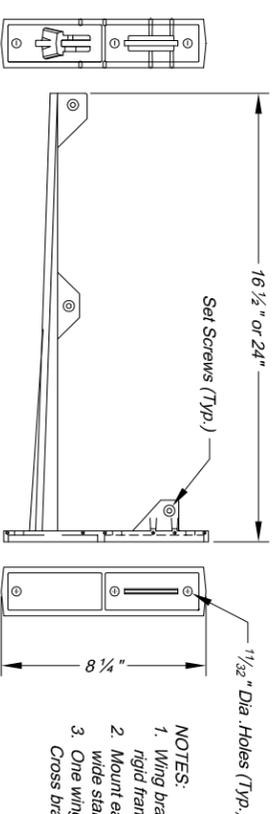
SIGNS INSTALLED SEPARATELY

Lowest Street Name Sign Face Mounted Perpendicular to Other Sign Face

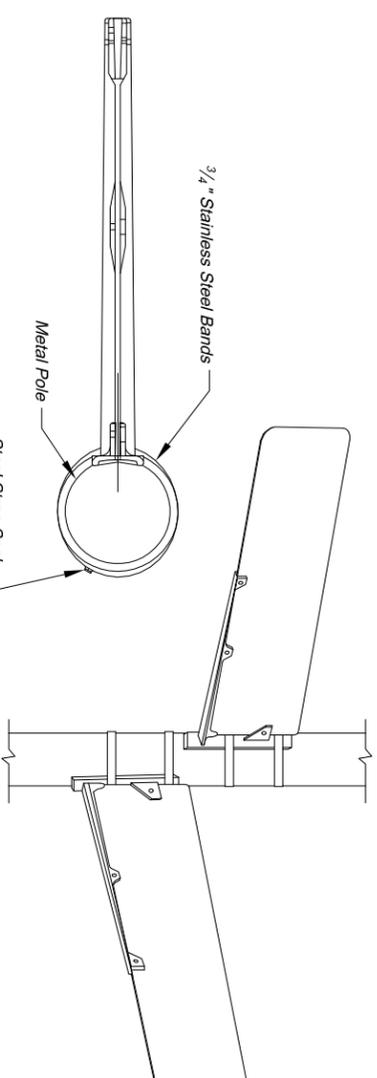


SIGNS INSTALLED WITH OTHER SIGNS

SQUARE STEEL POST MOUNTING DETAILS



- NOTES:**
- Wing bracket shall be an L-shaped cantilever of T-beam rigid frame 380-3 aluminum alloy construction.
 - Mount each wing bracket to metal pole using two 3/4" wide stainless steel straps.
 - One wing bracket shall be installed per each sign. Cross brackets are not allowed.



WING BRACKET MOUNTING DETAILS

Project: STREET NAME SIGN DETAILS
Sheet Name: STANDARD DRAWING SN-3



CITY OF LEE'S SUMMIT
PUBLIC WORKS DEPARTMENT
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