

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.

5/16" Stainless Steel Hex Head Bolt With 5/16" Flat Washer 3/4" Stainless Steel Strap Seal 5/16" Flat Plastic Washer Bend Down -Stainless Steel Bracket 3/4" x 0.030" Stainless Steel Strap Material ENDS OF STRAP CLAMPED IN SEAL

STRAP TYPE SIGN SUPPORT DETAILS

METAL POLE SIGN MOUNTING NOTES:

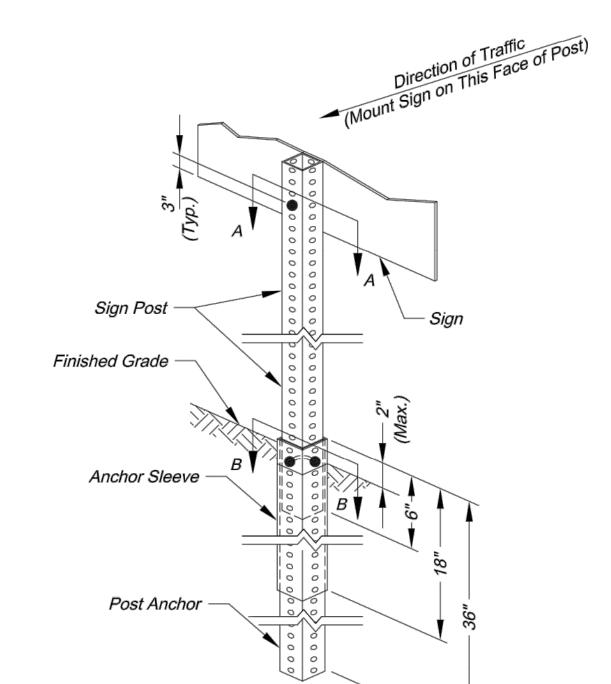
STRAP AND BRACKET

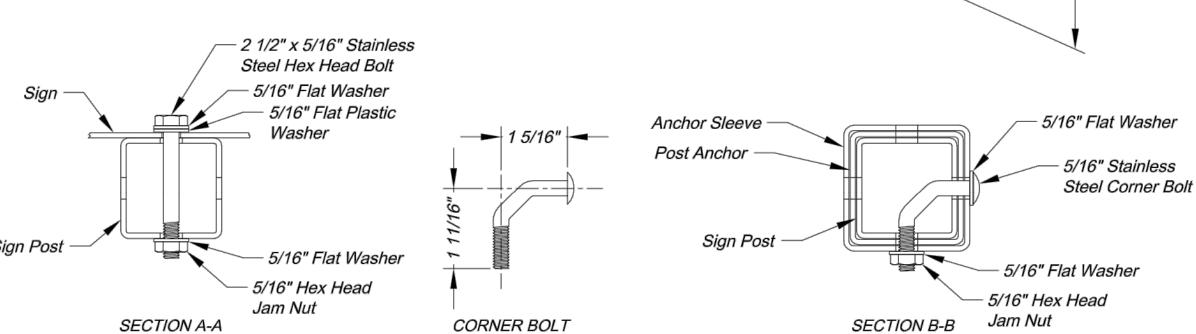
INSTALLATION

- 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.
- Minor relocation to avoid conflicts may be allowed with the approval of the City Traffic Engineer or designee.
- 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 DETAILS

SQUARE STEEL POST NOTES:

SQUARE STEEL POST INSTALLATION SEQUENCE:

a drive cap with a sledge or power equipment.

ground together with the sign post anchor.

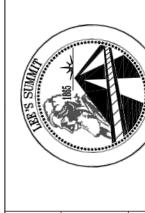
1. Sign post anchor driven partially into the ground using

2. Anchor sleeve slipped over anchor and drive into the

3. Insert sign post into the post anchor and bolt in place.

- 1. Square steel sign posts and break-away anchor shall consist of the following materials:
 - Sign Post -14 Ga. 2" x 2" Square Steel Post
 - Post Anchor 12 Ga. $2\frac{1}{4}$ " x $2\frac{1}{4}$ " x 36" Square Steel Post
- Anchor Sleeve 12 Ga. 2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " 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.





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SIGN

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

2 OF 3

AND STORM SIGNING DET

16-059 Base Phase I

16-059 Phase I Street Plans April 16, 2019 16-059

