

**CITY OF MADISON
ORDINANCE NO. 358**

AN ORDINANCE OF THE CITY OF MADISON, MINNESOTA, AMENDING CHAPTER 53.29
OF THE MADISON CITY CODE

The City Council of Madison ordains:

Section 1. Chapter 53.29 of the Madison City Code currently reads as follows:

Every service pipe shall be laid so as to allow at least one foot of extra length in order to prevent rupture by settlement. The service pipe must be placed no less than seven feet below the ground and in a manner as to prevent rupture by freezing. Service pipes must extend from the curb stop box to the inside of the building, or if not taken into the building, then to the hydrant or fixtures which it is intended to supply. Type K copper tubing shall be used up to and including two-inch services. All services over two inches shall be ductile or cast iron. All underground joints are to be mechanical, except joints under floors shall be silver soldered, unless otherwise approved by the Public Works/Utilities Superintendent and tested at normal water line pressure. Unions must be three-part type. All services over two inches shall be cast iron. Connections with the mains for domestic supply shall be at least three-quarter inch up to the curb stop box.

Section 2. **Chapter 53.29 of the Madison City Code is hereby amended, in part, to read as follows:**

(1) *Generally*

Every service pipe shall be laid so as to allow at least one foot of extra length in order to prevent rupture by settlement. The service pipe must be placed no less than seven feet below the ground and in a manner as to prevent rupture by freezing. Service pipes must extend from the curb stop box to the inside of the building, or if not taken into the building, then to the hydrant or fixtures which it is intended to supply. Type K copper tubing or polyethylene pipe shall be used up to and including two-inch services. All services over two inches shall be ductile or another material approved by the Public Works/Utilities Superintendent and City Engineer.

The following are the minimum specifications for water service line pipe:

A. Water service pipe

- (1) Seamless copper water tube, Type K, ASTM B88
- (2) Polyethylene pipe SDR 9, copper tube size (CTS) with a minimum pressure rating of 200 p.s.i. The polyethylene fittings shall be quick joint type.

B. Fittings

- (1) All copper pipe fittings shall be flared type. Compression type will not be allowed for copper pipe. All polyethylene fittings shall be quick joint type.
- (2) Ford Insert Stiffeners made of solid 304 tubular stainless steel, dimpled and flagged to retain placement within polyethylene service pipe.

C. *Tracer wire shall meet the following requirements if polyethylene pipe is used:*

- (1) #12AWG solid copper or copper clad steel (CCS) wire with 30 mil high density polyethylene (HDPE) insulating jacket shall be used.
- (2) The tracer wire shall be securely grounded to the curb stop at the right-of-way and a tracer wire access box shall be installed at the location where the water service pipe enters the building.
- (3) Connectors shall be "wire nut" or "twist on" type connectors filled with silicone waterproofing sealant suitable for direct bury applications according to UL 486D test standard. Connectors shall be DryConn™ connectors as manufactured by King Innovation or approved equal or better.

(2) *Other Requirements*

All underground joints are to be mechanical, except joints under floors shall be silver soldered, unless otherwise approved by the Public Works/Utilities Superintendent and City Engineer. Joints of copper tubing shall be kept to a minimum with not more than one joint used for service for each 70 feet in length. Splicing may be approved with three-piece unions only. All joints and connections shall be left uncovered until inspected by the Public Works/Utilities Superintendent and tested at normal water line pressure. Unions must be three-part type. Connections with the mains for domestic water supply shall be at least three-quarter inch up to the curb stop box.

(3) *Lead Service Pipes*

New lead water service pipes are prohibited. Existing lead water services pipes shall be replaced if the city replaces or brings a new distribution water service pipe to the customer's curb stop box. The property owner may pay the contractor directly or have the city certify the amount due as an assessment to their property taxes.

Section 3. Effective Date. This ordinance becomes effective upon passage and publication according to law.

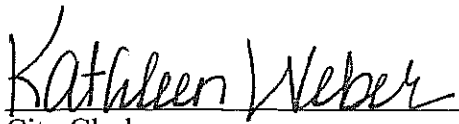
Passed by the council this 13th day of October, 2008.

For: Volk, Thole, Meyer, Zahrbock, and Gail

Against: None

By  _____
Mayor

Attest:


City Clerk

Date of Publication: The Western Guard on October 22, 2008