

City of Wheaton Distribution Specifications – As of January 31, 2018

All Materials shall be as specified below or approved equal, be produced in North America and be the current year model. All brass shall be “No-lead”, meeting the requirements of the Reduction of Lead in Drinking Water Act.

Water main

Unless approved in writing all water main shall be 8” minimum size Class 52 Zinc-coated Ductile Iron pipe.

If PVC water main is allowed, it must be approved in writing and shall be Certa-Lok PVC or equal. The design shall include two #10 Solid Insulated Copper tracer wires that terminate in a Copperhead Tracer Wire Access Box at each end. Shop drawings of the tracer wires must be submitted and approved for all PVC water main.

Polyethylene Wrap – Required on all Water Main Installations

All ductile iron water main and fittings shall be encased with linear low density V-Bio Enhanced polyethylene wrap, 8 mils thick. Polyethylene wrap shall be secured with polyethylene tape at overlaps, ends, and every four feet along the pipe barrel.

Fire Hydrants

Mueller Super Centurian A-421, 4½ inch valve opening with 6-inch flange x mechanical A-2362 resilient wedge valve attached. All bolts shall be stainless steel on all valves and hydrants.

Gate Valves

1. Mueller A-2362 (4-inch through 12-inch) or A-2361 (16-inch) resilient wedge gate valve
OR
2. American Series 2500 resilient wedge valve

Mechanical Joints

EBAA Iron Megalug mechanical joint restraint gland

Tapping Valves

1. Mueller A-2362 flange x mechanical joint resilient wedge valve
OR
2. American Series 2500 flange x mechanical joint resilient wedge valve

Tapping Sleeves – All Pressure Connections 4” to 8” Shall Be Done By The City Of Wheaton

1. Smith-Blair 665 stainless steel tapping sleeve with stainless steel flange
OR
2. Ford FTSS stainless tapping sleeve with stainless steel flange

Valve Boxes

1. Tyler Union 664S screw type cast iron two-piece valve box
Note: Plastic valve boxes or plastic extensions **are not** allowed
2. Valve Box Adaptor II
 - a. Type A Gate Valves – 4”-6” Mueller, 4”-6”-8” AFC
 - b. Type B Gate Valves – 8” Mueller, 10”-12” AFC
 - c. Type D Gate Valves – 10” Mueller
 - d. Type E Gate Valves – 12” Mueller, 16” AFC
3. Valve box extensions shall be Tyler Union #58, #60 or Tyler Union #69 riser.

End Caps

1. Class "A" pipe: Tyler Union Mechanical Joint Cap.
2. Class "B-C-D" pipe: Tyler Union MJ x PE Dual-Purpose Cutting-in Sleeve with Tyler Union Mechanical Joint Cap.

Service Fittings

1. **Corporation Cock**
 - a. Mueller 300 Ball Corporation Valve B-25000N**OR**
 - b. Ford Corporation Stops FB600-*size*-NL
2. **Corporation Cock Quarter and Eighth Bends – ¾", 1", 1 ¼", 1 ½" and 2"**
 - a. Mueller brass with compression ends and swivel nut. Flare nut, non-swivel accepted on sizes where others aren't made. Mueller P-15075N, P-15076N**OR**
 - b. Ford brass with compression ends and swivel nut. Flare nut, non-swivel accepted on sizes where others aren't made. Ford LA04-*size*-NL, L04-*size*-NL.
3. **Curb Stop**
 - a. Mueller 300 Ball Curb Valve P-25155N**OR**
 - b. Ford Ball Valve Curb Stop B44-*size*M-NL
4. **Curb Box**

Mueller H-10300 curb box with Minneapolis Pattern Base.
5. **Service Saddles**

Smith-Blair Model 317 Epoxy Coated Ductile Iron with double stainless steel strap.