

ORDINANCE #349

Ordinance establishing policy for materials used for water main installation.

WHEREAS: The Town Council of Town of Yacolt, Washington is in regular session this 7th day of February 1994.

THEREFORE: Be it ordained by the Council of the Town of Yacolt, Washington as follows:

1. Ductile Iron Pipe (DI)

Ductile iron pipe shall conform to the requirements of AWWA C151 specifications. Pipe thickness shall be of Class 50, or greater if required in accordance with the criteria specifies in AWWA C150.

Ductile iron pipe shall be cement lined and sealed in accordance with AWWA C104. In addition all pipe shall have push-on rubber gasket joints and be furnished in 10- 20-foot lengths unless design conditions dicatate otherwise.

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3. Galvanized Iron Pipe (GI)

Galvanized iron pipe shall conform to the latest revision of ASTM A-120 or A53, Grade A, Schedule 40, seamless pipe. Pipe shall be hot-dip galvanized. Pipe fittings shall be galvanized and equipped with screwed fittings.

Cast iron screwed fittings shall be ASTM A-126 and A-153 which conforms to ANSI B 16, 4, 125 psi class.

4. Copper Pipe

All copper service pipe shall be rated in accordance with ASTM Designation B88, Type K, soft copper tubing, and the National Sanitation Foundation Standards 61 Section 6 concerning joining and sealing.

5. Fittings

All fittings shall be of the size, type, and type of joint as specified on the plans by the designated utility or by the pipe manufacturer.

6. Valves

A. Gate Valves

Valves shall be manufactured and tested in accordance with AWWA C 500 specifications. They shall be equipped with mechanical joints or flange ends of Class 125 in accordance with ANSI B16-1.

Gate valves, 3" and larger, shall be iron body, bronze-mounted, double disc, and "O"-ring stem seal. Gate valves smaller than 3" shall be 125 psi, non-stem rising, wedge disk, all brass or bronze valves with screwed, soldered, or flanged ends compatible with the connecting pipe. All valves shall open counter-clockwise and, unless otherwise specified shall be non-rising stem type equipped with standard AWWA 2-inch square stem operating nuts.

B. Butterfly Valves

Butterfly valves shall meet or exceed all AWWA C504 specifications and shall be Class 150-B with short body which are suitable for direct bury. When they are installed they shall have a position indicator which clearly shows position of the disc. All valves shall be equipped with an underground manual operator with AWWA 2-inch square operating nut and shall open with a counter-clockwise rotation.

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C. Check Valves

Check valves, 3" or larger, shall be iron body, iron disc, bronze-mounted, swing type, clearway, quiet closing, level and spring valves flanged ends. All valves shall comply with AWWA C508 specifications.

Check valves, 2-1/2" or smaller, shall be bronze body, bronze mounted, swing type with flanged or threaded ends depending upon installation.

D. Air and Air-Vacuum Relief Valves

Air and air-vacuum relief valves shall have cast iron bodies and covers and stainless steel floats. Float guides, bushings, and lever pins shall be stainless steel or bronze. Valves shall be designed for operating service to 150 pounds per square inch (psi).

E. Pressure Reducing Value

As required by hydraulic analysis of system.

F. Valve Boxes

All valve boxes shall be cast iron, 2-piece, equipped with suitable extension for at least a 36" trench depth. The top section and lid will be designed for installation in traffic areas. Lid is to be labeled "W" with lid tabs pointing in direction of the water main.

7. Cross Connection Control Devices

All cross connection control devices will be specified by the water utility or County cross connection control program based on the degree of potential hazard. Such devices will comply with models approved by the DOH in accordance with WAC 248-54-285.

8. All Construction shall be done in accordance with the Town of Yacolt's standard water line details and drawing #W 1 & W 2. All plans will be approved by Town's engineer.

This Ordinance shall be in effect this 7th day of Feb. 1994.

Ordinance #349 duly adopted this 7th day of Feb. 1994.

AAYES Mason, Kaski, Messer, Robertson, Smith

NAYES NONE

MAYOR Paul Groover

ATTEST Steve Christensen

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I hereby certify that this is a true and correct copy of Ordinance #349 as read before the Council and passed on the date herein mentioned and passed according to law.

Irene Christiansen

Irene Christiansen
Clerk/Treasurer