

AN ORDINANCE relating to the installation of fire hydrants and main supplying water for fire protection.

THE TOWN COUNCIL OF THE TOWN OF YACOLT, WASHINGTON, DOES ORDAIN AS FOLLOWS:

This ordinance shall be known and may be cited as the Yacolt fire hydrant ordinance.

Definitions. For the purposes of this chapter, the following words, terms, phrases, and their derivations shall have the meaning given herein, unless the context otherwise indicates. When not inconsistent with the context, words used in the present tense include the future, words in the plural number include the singular number, and words in the singular number include the plural number. The word "shall" is always mandatory.

- A. "Approving authority" is the Chief of the Yacolt Fire Department or his appointee.
- B. "Fire Department" is the Yacolt Fire Department.
- C. "Water authority" is the Town of Yacolt Water Department.
- D. "A.W.W.A." is the American Water Works Association.
- E. "U.L." is Unerwriters' Laboratories, Inc.
- F. "U.B.C." is the Uniform Building Code as adopted, including amendments, by the Town of Yacolt.
- G. "Public hydrant" is a fire hydrant situated and maintained to provide water for fire fighting purposes without restriction as to use for that purpose. The location is such that it is accessible for immediate use of the fire department at all times.
- H. "Private hydrant" is a fire hydrant situated and maintained provide water for fire fighting purpose with restrictions as to use. The location may be such that it is not readily accessible for immediate use by the fire department for other than certain private property.
- I. "Flush type hydrant" is a hydrant installed entirely below grade.
- J. "Fire Flow" is the measure of the sustained flow of available water for fire fighting at a specific building or within a specific area at 10 pounds per square inch residual pressure for hydrants having a 4-½ port and 20 pounds per square inch residual pressure for all others.

K. "Municipality or quasi-municipality" is any county, city, town, water district, sewer district, public utility district, or other governmental subdivision or agency of the State of Washington.

Fire Hydrants required. All buildings constructed within the Town of Yacolt shall be served by fire hydrants installed in accordance with the requirements of this chapter. In addition, presently existing fire hydrants which do not conform with the requirements and standards of this ordinance when replaced, shall be replaced with hydrants which do conform to the standards and requirements of this chapter. All fire hydrants shall be served by a municipal or quasi-municipal water system, or as otherwise approved by the Fire Chief. All hydrants shall be subject to testing, inspection and approval by the Fire Department.

Prohibited Installation. The installation of flush type hydrants is prohibited unless approved by the Fire Chief.

Buildings open to the public. Public buildings, buildings available for public use, or buildings open to the public by invitation classified under the U.B.C. within occupancy groups A,B,C, or D shall conform to the requirements and standards contained in this chapter for buildings or structures in commercial, industrial, and apartment use district zones.

Installation Requirements. The installation of all fire hydrants shall be in accordance with sound engineering practices. In addition the following requirements shall apply to all building construction projects:

1. Two copies of detailed plans or drawings, accurately indicating the location of all valves and fire hydrants to be installed shall be submitted to the Fire Chief prior to the commencement of any construction.

2. All fire hydrants must be approved by the appropriate water authority prior to installation.

3. All construction of the fire hydrant installation and its attendant water system connection shall conform to the design standards and specifications promulgated by the appropriate water authority.

4. Fire hydrant installations shall be adequately protected against vehicular damage, in accordance with standards and specifications promulgated by the appropriate water authority.

5. An auxiliary gate valve shall be installed at the main line tee to permit the repair and replacement of the hydrant without disruption of water service.

6. All hydrants shall stand plumb, be set to the finished grade with the lowest outlet of the hydrant no less than 18 inches above the grade and have no less than 36 inches in diameter of clear area about the hydrant for the clearance of hydrant wrenches on both outlets and on the control valve.

7. The pumper port shall face the street. Where the street cannot be clearly defined or recognized, the port shall face the most likely route of approach and location of the fire truck while pumping, all as determined by the fire Chief.

8. The lead from the service main to the hydrant shall be no less than six inches in diameter. Any hydrant leads over 50 feet in length from water main in hydrant shall be no less than eight inches in diameter.

9. All hydrants newly installed in single family residential areas shall be supplied by not less than eight-inch mains and shall be capable of delivering 1,000 gpm fire flow over and above average maximum demands at the farthest point of the installation. Hydrant leads up to 50 feet long may be six inches in diameter.

10. All hydrants shall have at least five-inch minimum valve opening, "O" ring, stem seal, two 2½ inch national standard thread hose nozzles, one four and one-half inch steamer nozzle with national standard threads, and six inch mechanical joint show connection, In addition, all hydrants shall meet A.W.W.A. standards for public hydrants.

11. All pipe shall meet relevant A.W.W.A. standards.

12.. The maximum distance between fire hydrants in single family use district zones shall be 700 feet.

13.. The maximum distance between fire hydrants in commercial, industrial, and apartment (including duplex) use district zones shall be 400 feet.

14. Lateral spacing of fire hydrants shall be approved by the Fire Chief and predicated on hydrants being located at street intersections.

15. The appropriate water authority and the fire Department shall be notified in writing of the date the fire hydrant installation and its attendant water connection system will be available for use.

16. The Fire Chief shall be notified when all newly installed hydrants or mains are placed in service.

Special requirements. The requirements of this section apply to all building construction projects in which buildings are located or are

to be located such that any portion is more than 200 feet in vehicular travel from a street property line, except detached single family dwellings:

B. When the required fire flow is over 2,500 gpm, the fire hydrants shall be served by a main which loops around the building or complex of buildings and reconnects back into a distribution supply main.

C. The number of fire hydrants shall be determined on an average spacing of 330 feet computed on an imaginary line parallel to and not less than 50 feet from the structure, all hydrants are to be accessible to Fire Department pumpers over roads capable of supporting such fire apparatus. The Fire Chief shall determine the location of the hydrants based upon a determination of utility, topography and building location. Hydrants shall be a minimum of 50 feet away from the buildings or structure; minor deviations may be granted by Fire Department approval of written request.

Hydrant accessibility. Hydrants shall not be obstructed by any structure or vegetation, or have the hydrant visibility impaired within a distance of 150 feet in any direction of vehicular approach to the hydrant.

Dead end mains prohibited. Provisions shall be made wherever appropriate in any project for looping all dead end or temporarily dead end mains. A minimum 10-foot easement shall be required. Construction plans must be approved by the appropriate water authority prior to the commencement of construction.

Fire Flow requirement. The fire flow requirement applied by the Fire Chief under the provisions of this chapter shall be based upon criteria established in the "Guide for Determination of Required Fire Flow" as published by the Insurance Services Office of the Municipal Survey Service, 160 Water Street, New York, New York 10038. The "guide for Determination of Required Fire Flow," and the standards of the American Water Works Association, all as amended, added to, or excepted herein are adopted by the Town of Yacolt. A copy of each such adopted collection of standards, rules, or criteria, in the form in which it was adopted and suitable marked to indicate amendments, additions, deletions and exceptions as provided herein, shall be authenticated and filed by the town Clerk in the Records of her office, suitably referenced and indexed to the ordinance codified herein, shall be filed in the Town Clerk's office and be available for use and examination by the public.

Issuance of building permits. No building permit shall be issued until plans required under this chapter have been submitted and approved in accordance with the provisions contained in this chapter.

No building shall be occupied until hydrants and ^{mains} amins are placed in service.

Seperability. If any provision, section, or subsection of this chapter its application to any person or circumstance is held invalid, the remainder of the provision, section, or subsection of this chapter and the remainder of this chapter, or the application thereof to other persons or circumstances is not affected.

A violation of any section or provision of this chapter is a misdemeanor punishable by a fine of not more than \$240 for each offense. Each day upon which a violation occurs or continued constitutes a separate offense.

Section 2. This ordinance shall take effect and be in force five days after its passage, approval and legal publication.

Passed by the Town Council this 4th day of April, 1977. and signed in authentication its passage this 4th day of day of April 1977.

Mayor

Attest:

Town Clerk

Approved as to from:

City Attorney

Published: _____

INFORMATION RELATING TO THE INSTALLATION OF FIRE HYDRANTS & MAINS
SUPPLYING WATER FOR FIRE PROTECTION IN THE TOWN OF YACOLT

Ordinance # 188 of the Town of Yacolt requires that for every building constructed (including trailer houses) within the Town shall be served by fire hydrants. The Town presently has numerous standpipes throughout the community, but these are not adequate and do not meet the requirements of the ordinance.

Following are some pertinent points from the ordinance:

1. Two copies of detailed plans or drawings, accurately indicating the location of all valves and fire hydrants to be installed, shall be submitted to the Fire Chief prior to the commencement of any construction.
2. All fire hydrants must be approved by the appropriate water authority, prior to installation.
3. All construction of the fire hydrant installation and its attendant water system connection shall conform to the design standards and specifications promulgated by the Town of Yacolt.
4. An auxiliary gate valve shall be installed at the main line tee to permit the repair and replacement of the hydrant without disruption of water service.
5. All hydrants shall stand plumb, be set to the finished grade with the lowest outlet of the hydrant no less than 18 inches above the grade and have no less than 36 inches in diameter of clear area about the hydrant for the clearance of hydrant wrenches on both outlets and on the control valve.
6. The pumper port shall face the street. Where the street cannot be clearly defined or recognized, the port shall face the most likely route of approach and location of the fire truck while pumping, all as determined by the Fire Chief.
7. The land from the service main to the hydrant shall be no less than six inches in diameter. Any hydrant leads over 50 feet in length from water main in hydrant shall be no less than eight inches in diameter.
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A. Buildings having required fire flows of less than 2,500 gpm, may have fire hydrants on one side of the building only.

B. When the required fire flow is over 2,500 gpm, the fire hydrants shall be served by a main which loops around the building or complex of buildings and reconnects back into a distribution supply main.

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PASSED by the town Council this 4TH day of APRIL
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(SEAL)

Richard L. Alexander
Mayor

Approved as to form:

Attest:

~~_____
City Attorney~~

Pat Krebser
Town Clerk

Published: _____