

## TITLE 7 CHAPTER 6

### WATER SYSTEM REGULATIONS

#### SECTION:

- 7-6- 1: Definition of Terms
- 7-6- 2: Connection to Water System Required
- 7-6- 3: Refusal of Use of System
- 7-6- 4: Independent Water Service Line Required
- 7-6- 5: Existing Branch Service Lines
- 7-6- 6: Water Service Line Maintenance
- 7-6- 7: Injury To or Tampering With Water System Unlawful
- 7-6- 8: Duties of the Water Superintendent Regarding Service Lines
- 7-6- 9: Permits Required
- 7-6-10: Excavation Permit Required
- 7-6-11: Service Line Extension or Repair Permit Required
- 7-6-12: Installation and Maintenance of Water Service Lines
- 7-6-13: Installation and Maintenance of Water Meters
- 7-6-14: Right to Revoke Permission
- 7-6-15: Water System Construction, Plans, Specifications and Inspection
- 7-6-16: Right to Enter Premises for Inspection
- 7-6-17: Extension of Water Mains Within City
- 7-6-18: Service Call Charge
- 7-6-19: Monthly Water User Fees
- 7-6-20: Outside-the-City Water Rates
- 7-6-21: Billing Procedure and Periods
- 7-6-22: Due Date
- 7-6-23: Delinquent Accounts
- 7-6-24: Water Service Discontinuance
- 7-6-25: Water System Fund
- 7-6-26: Water System Materials and Installation
- 7-6-27: Water System Design
- 7-6-28: Repealed
- 7-6-29: Repealed
- 7-6-30: Repealed
- 7-6-31: Repealed
- 7-6-32: Repealed
- 7-6-33: "As Built" Drawings and Engineer's Certification
- 7-6-34: Subdivision Developer's or Property Owner's Responsibility for Waterlines
- 7-6-35: Citation; Appearance
- 7-6-36: Penalties

7-6-1: DEFINITION OF TERMS: Terms used in this Ordinance shall have the meanings herein given to them.

APPROVING AUTHORITY: The Water Superintendent of the City of Albion or his duly authorized deputy, agent, or representative.

BACKFLOW: The flow other than the intended direction of flow, of any foreign liquids, gases, or substances into the distribution system of the City water supply.

BACKFLOW PREVENTION DEVICE: A device to counteract back pressure or prevent back siphonage.

CITY: The City of Albion, Idaho.

COMMERCIAL BUILDING: Any structure built for the support, shelter, or enclosure of persons, animals, chattels, or property of any kind or for any type of business or enterprise or for any other purposes not otherwise described or covered under "DWELLINGS", as defined herein.

COMMERCIAL USER: All persons not specifically classified as domestic or as an industrial water user.

CONTAMINATION: The entry into or presence in a City water supply of any substance which may be deleterious to health and/or quality of the water.

CROSS-CONNECTION: Any physical arrangement whereby the City water supply is connected, directly or indirectly, with any other water supply system, sewer, drain, conduit, pool, storage reservoir, plumbing fixture, or other device which contains or may contain contaminated water, sewage, or other wastes or liquids of unknown or unsafe quality which may be capable of imparting contamination to the City water supply as a result of backflow.

DOMESTIC WATER USAGE: Water that is used principally for dwellings, business buildings, institutions, and like.

DWELLINGS:

- A. Single Family Dwelling: A building designed for or occupied by one family for living or sleeping purposes, and having one kitchen or set of cooking facilities.
- B. Duplex: A building designed, built, rented, or leased for occupancy by two (2) families living independently of each other.
- C. Multiple-Family Dwelling or Apartment House: Any building or portion thereof which is designed, built, rented, leased, let, or hired out to be occupied or which is occupied as the home or residence of three (3) or more families or persons living independently of each other and doing their own cooking within the premises, which shall include townhouses or condominiums.

- D. Trailer House or Mobile Home: Any vehicle used or so constructed as to permit its being used as a conveyance upon the public streets or highways and constructed in such a manner as will permit occupancy thereof as a dwelling or sleeping place for one or more Persons.
- E. Auto Court, Motor Court, Travel Trailer Court, Motel, Hotel, etc.: The combination or group of two (2) or more dwelling units occupying a building site or area under one ownership, used for the purpose of furnishing transient living accommodations.

MG: Million gallons.

MOD: Million gallons per day.

PARTS PER MILLION: A weight-to-weight ratio; the parts per million value multiplied by the factor 8.345 shall be equivalent to pounds per million gallons of water.

PERSON: Any individual, firm, company, association, society, corporation, group, or other entity.

PRIVATE WATER SYSTEM: A water system serving two (2) or more buildings, residences or properties, constructed by private contract outside of the public right-of-way and remaining under private ownership and jurisdiction and which shall be maintained by said private owners. Private water systems shall be designed, constructed, and maintained by said private owners to the same design, construction, and maintenance standards as are Public Water Systems.

PUBLIC WATER SYSTEM: A water system provided by or subject to the jurisdiction of the City. It shall also include water systems within or outside the City boundaries that serve one or more persons and obtain their water supply from the City water system, even though the water system may not have been in constructed with City funds. All public water mains shall be located in dedicated public rights-of-way or easements. Public water mains shall be at least six (6) inches in diameter.

REPLACEMENT: Any expenditures for obtaining and installing equipment, accessories, or appurtenances which are necessary during the service life of the water system to maintain the capacity and performance for which such works were designed and constructed. The term "operation and maintenance" includes replacement.

SERVICE CHARGE: The charge levied on all users of the water system for the purpose of repayment of City indebtedness for the construction and installation of the system and for its efficient maintenance and operation, and in establishing such rates and charges the City has taken into account the cost and value of the system, operation and maintenance expenses, possible delinquencies, proper allowance for depreciation, contingencies and any amounts necessary to retire all bonds payable from net revenues and the reserve required for these.

**SERVICE CONNECTION:** A waterline connected to the water main.

**SERVICE LINE:** The extension from the building water system to the public water main and is sometimes referred to as the water service connection or water service line.

**WATER:** Potable water meeting the requirements of the State of Idaho for public water systems.

**WATER DISTRIBUTION AND SUPPLY SYSTEM:** All facilities for transporting, pumping, storing, and and pressurizing of water, and includes water main as well as the water supply system.

**WATER MAIN:** The pipe laid in a street, road, alley, or easement and running approximately parallel to the street, road, alley or easement for the distribution of water to the customers, and which is owned, operated, controlled, and maintained by the City.

**WATER METER:** A device which is calibrated and constructed to measure the exact amount of water that flows through the device in total gallons. The water meter, when used, shall include the actual meter plus yoke, remote read-out device and meter box, if required.

**WATER SUPERINTENDENT:** The Water Superintendent of the City of Albion.

**WATER SUPPLY SYSTEM:** An assemblage of wells, pumps, devices, structures, equipment, and tanks for providing water for domestic, commercial, or industrial uses.

**WATER SYSTEM:** A water main line that conveys potable water to a residence, commercial user, industry or other establishment for consumptive use, irrigation, process or similar uses.

**7-6-2: CONNECTION TO WATER SYSTEM REQUIRED:** Every parcel of land or premises within the boundaries of the City of Albion that is improved for occupancy after May 1, 1992, by any person or persons, or as a commercial business, shall be connected to the public water system. The owner or person in charge of such land shall make or cause to be made such connection before such land is occupied for a dwelling or commercial building. All charges associated with the laying of pipe from the home or facilities to be served to the City's water mains and all other costs incurred in connecting to said mains shall be borne by the property owner. All such connections to the City's mains shall be properly designed and constructed in conformity with requirements specified by the City. If a parcel of land is not within 300 feet of a water main, connection is optional. The City shall provide the water meter for the requested connection, but the property owner shall have the meter installed at his expense. The City shall also make the hot tape connection to its main line, but the property owner shall provide all required excavation, backfill, street repair, and all other service line and connection costs. The City shall establish, by Resolution, connection fees for persons connecting to the City's public water system. *[amended March 13, 2006, Ordinance 2006-03-1]*

7-6-2(A): WATER SERVICES HOOK-UP: A fee shall be charged any new user for the city services provided in hooking on to the main city water lines and providing a water line to the boundary of the new user's private property line. Such hook up fees shall be established by Resolution of the City Council, as the Council deems necessary from time to time. *[amended June 15, 2004, Ordinance 2004-06-01; amd 12/04/2018, Ordinance 2018-12-01]*

7-6-3: REFUSAL OF USE OF SYSTEM: The Water Superintendent may prohibit the connection to the public water system for any user that does not comply with the limitations set forth in this ordinance.

7-6-4: INDEPENDENT WATER SERVICE LINE AND METER REQUIRED:

- A. The Water Main Line and Water Service Line(s) shall be so arranged that there is a separate and independent water service line and meter to each property owner.
- B. After the effective date of this Ordinance, a separate and independent water service line and meter shall be provided for every new property owner connecting to the water system of the City of Albion. Separate service lines and meters are not required for each trailer space in overnight trailer courts, nor for each cabin in cabin courts; however, separate water service lines and meters are required for trailer houses on individual lots or for long-term trailer rental units in mobile home courts.
- C. The City may in its sole discretion allow a property owner to have more than one water service line providing water to its property provided however, that the property owner shall pay for the meter and shall have the additional meters installed at its expense and shall provide all required excavation, backfill, street repair and other service line and connection costs.

7-6-5: EXISTING BRANCH SERVICE LINES: Where water service is now provided through one water service line to several customers (branch service lines), the City by resolution, may decline to continue to provide water for said premises until separate water service lines are provided at the owner's expense. Where more than one dwelling is served from one such service line, the established rate shall be charged for each customer in the same manner as if each did, in fact, have an individual water service line.

7-6-6: WATER SERVICE LINE AND METER MAINTENANCE: All water users shall keep their individual water service lines in good repair and shall keep them in such good condition that they shall not allow any leakage from the City's Water System.

7-6-7: INJURY TO OR TAMPERING WITH WATER SYSTEM UNLAWFUL: It shall be unlawful to disturb, destroy, damage, adjust, molest, meddle, or otherwise interfere with any portion of the City Water Distribution or Supply System or its appurtenances, located on either public or private property. Should any damage result, either intentionally or unintentionally, from handling or otherwise tampering with said water system, the violator shall pay for all costs incurred in connection with the repairs of said system and/or for any damages that may result from the tampering with said water system.

7-6-8: DUTIES OF THE WATER SUPERINTENDENT REGARDING SERVICE LINES: The Water Superintendent of the City is hereby empowered, and it is hereby made his duty, in all cases where there is a public water system within three hundred feet (300') to notify every owner or person in charge of land, or premises, requiring a water service building connection as specified in Section 2 to comply with the provisions of that Section of this Ordinance within ninety (90) days or cease to use or occupy the land. A lessee of land shall be deemed to be in charge.

7-6-9: PERMITS REQUIRED:

- A. It shall be unlawful to install or alter any water system or service line within the City of Albion, Idaho, or to tap onto or connect to any waterline whether lateral or main, without having first obtained from said City a permit therefore.
- B. An application for a connection to the City Water System shall be made at the City Office and no connection shall be made to any water main without a valid permit therefore having been issued by the Water Superintendent.
- C. It shall be unlawful for any person to uncover, make any connection with or opening into, use, alter, or disturb any public water main line or appurtenance thereof, without first obtaining a written permit to perform said work from the Water Superintendent.

7-6-10: EXCAVATION PERMIT REQUIRED: No permit shall be granted to do waterline work in any street, alley, or public easement until the applicant has first obtained an Excavation Permit as required by the City.

7-6-11: SERVICE LINE EXTENSION OR REPAIR PERMIT REQUIRED:

- A. When any water service line or private water system connected with any public water main is leaking, broken or out of order, on private property (outside of any public right-of-way or easements) the Owner, agent, or tenant of such premises shall repair the same at his own expense. No person shall construct, re-lay, repair, or extend any water service connection or private water system until the person doing said work has obtained the appropriate Water Permit for same.
- B. It shall be unlawful for any person to extend any private service line beyond the limits of the building or property for which a permit has been given without obtaining a new permit for the desired extension. The existence of a Water Permit shall in no way be construed as making permissible any work for which an Excavation Permit may be required by the City.

7-6-12: INSTALLATION AND MAINTENANCE OF WATER SERVICE LINES:

- A. As part of the construction of the new water system in 1992, the City will construct an appropriately sized water service line at the City's expense which shall run from the main line to the property line of each individual property owner who was

receiving service from the City's prior water system. All other property owners desiring water service whether for an existing dwelling unit, commercial facility, or a newly constructed facility shall be required to obtain all permits, licenses, etc., required by this Ordinance and shall be required to install his own water service line as explained in the following paragraphs:

- (1) When a permit for a water service line has been granted, the water tap at the main line shall be installed by the City at the City's expense. The actual service line and all associated excavation, backfill, street repair, and piping shall be completed by the property owner at his expense. Thereafter, or after the water service line has been installed, each water service line within the public right-of-way or easement shall be maintained by the City at its expense and kept within and under its exclusive control and jurisdiction.
- (2) All water service lines within any public right-of-way or easement shall be constructed by the property owner requesting the water service, and in any new subdivision they may be installed as part of the construction of the new water distribution system within said subdivision and provided further that said water and service lines are constructed, inspected, tested, and certified as being in conformance with the City standard drawings and specifications governing the construction of water service lines.
- (3) Water Service lines may also be installed by contract in conjunction with city-sponsored projects or when, in the opinion of the Water Superintendent, it is in the City's best interests to have or allow said water service lines to be installed by other than City personnel.

**7-6-13: INSTALLATION AND MAINTENANCE OF WATER METERS:**

- A. The City of Albion shall provide to all property owners making new connections to the water system one appropriately sized water meter, and meter box. It shall thereafter be the responsibility of each individual property owner to install this water meter, and meter box in accordance with the City standard drawings and specifications and as directed by the City Water Superintendent.
- B. If the meter is determined to be malfunctioning by the City after proper inspection by the Water Superintendent, it shall be the City's responsibility to provide the property owner with a new water meter as replacement for the malfunctioning unit.

**7-6-14: RIGHT TO REVOKE PERMISSIONS:** Permission given to connect to the water main shall be upon the express condition that the Water Superintendent may for good cause revoke the same and the person making such connection, or his successor in interest, shall have no right to claim any damage in consequence of such permission being revoked.

7-6-15: WATER SYSTEM CONSTRUCTION, PLANS, SPECIFICATIONS, AND INSPECTION:

- A. All construction or reconstruction of public, private and water service lines shall be in accordance with the City Standard Drawings and Standard Specifications and subject to inspection by the City.
- B. Plan and profile drawings shall be prepared for all new water mains (whether public or private) and for all water main extensions, reconstructions, or renovations; and all such plan and profile drawings must be reviewed and approved by an engineer designated by the City and the State of Idaho Division of Environment before any construction work on said waterlines is started.

7-6-16: RIGHT TO ENTER PREMISES FOR INSPECTION: The Water Superintendent and the City representative assigned to read the water meters shall have the right to enter upon any premises connected with the public water system at all reasonable hours to determine that there is compliance with the provisions of this Ordinance. If conflict is noted, the Owner of said premises or his agent shall be directed to alter, repair, or reconstruct said water facilities to conform to the requirements of this Ordinance within fifteen (15) days.

7-6-17: EXTENSION OF WATER MAINS WITHIN CITY: The Water Superintendent shall be authorized to construct, or cause to be constructed, extensions to the water system if one of the following conditions exists:

- A. The annual anticipated revenue made available to the City from the Customers to be immediately served by such extension is not less than one tenth (1/10) of the actual cost to the City for the construction of said extension.
- B. The Water Superintendent declares that the water main extension is needed for the overall benefit and improvement of the entire water distribution system.

7-6-18: SERVICE CALL CHARGE: The Water Superintendent may require a service charge in an amount not to exceed the actual cost to the City, for service calls which are only for the convenience and benefit of the customer.

7-6-19: MONTHLY WATER USER FEES:

- A. General: Each water user shall be levied a monthly water user fee for the privilege of utilizing water from the City water system. This water user fee shall be levied on all users of the water to cover the actual or estimated cost of operation, maintenance, updating, replacement, and financing of the City's water system facilities. All water users and property owners shall be levied a water user fee. Billings will be levied regularly after October 1992 at intervals set by the City Council, but no more often than monthly.



The actual monthly water user fee to be billed to each property owner or customer shall be determined by the addition of the calculated monthly base rate fee and the calculated monthly water usage fee. A description of the base rate fee and water usage fees to be assessed by this ordinance shall be described in the subsequent paragraphs of this Section 19.

- B. Base Rate Fees: The monthly water base rate fees for each user shall be established by resolution of the City Council. [*Amended September 7, 2001, Ordinance 2001-10-1*]

Where a user has been granted permission by the City to have more than one service line installed to his/her contiguous property, he/she shall only be assessed one monthly base rate fee. The sum total of water used on all lines servicing the property shall be added to calculate the water usage fees set hereafter.

- C. Water Usage Fees: In addition to the monthly base rate fee as defined and provided for above in Paragraph (B), and as hereafter set by Resolution of the City Council, and beginning on March 5, 2019, each water user shall be charged a monthly water usage rate that will be calculated by multiplying the number of gallons of water used each month from the meter readings in excess of **150,000** gallons times a gallonage charge. The gallonage charge shall be that rate per 1,000 gallons of water used and shall be established by resolution of the City Council.
- D. Review and Revision of Rates: The water user base rate and usage fees shall be reviewed by the City Council, from time to time, and when required, shall be updated by Resolution of the City Council to reflect actual costs of operation, maintenance, updating, replacement, and financing of the water system.

Any revisions of the user connection and usage fees shall be based on actual operation, maintenance, updating, replacement, and financing expenses, and/or on significant changes in the total number of equivalent users and/or the total daily flow. All changes in user charges, fees and rates applicable to this Ordinance shall be computed by the methods outlined herein.

- E. User Request for Rate Change: Any water user, who feels his user charge is unjust and inequitable as applied to his premises within the spirit and intent of the foregoing provisions, may make written application to the City requesting a review of his user charge. Said written request shall, where necessary, show the actual or estimated average flow water in comparison with the values upon which the charge is based, including how the measurements or estimates were made. Any flow measurements shall be approved in detail by the City and/or its engineer. Review of the request by the City shall determine if it is substantiated or not, including recommended further study of the matter for the City and/or user by a registered professional engineer. [*Section 19 amended April 2, 2019, Ordinance 2019-04-01*]

7-6-20:        OUTSIDE-THE-CITY WATER RATES: The Water Connection Fees and Water Usage Fee shall be the same irrespective of whether they are "Inside" or "Outside" the City. The cost of all waterlines, materials and connection fees to provide connection to the City's public water system, so as to supply water to "outside-the-City limits". customers shall be paid for by said "outside-the-City limits' customers. *[amended March 13, 2006, Ordinance 2006-03-1]*

7-6-21:        BILLING PROCEDURE AND PERIODS:

- A.     Accounts shall be charged for water service in accordance with the rate determination found in Section 19 of this Ordinance or as such may hereafter be amended and revised by the City.
- B.     The City Clerk shall furnish to each property owner, landlord, tenant, or agent, a monthly statement of the amount due for water service for that month(s). The failure of any water user to receive notice or statement will in no way affect the obligation of the user to remit monthly as required.
- C.     The initial billing for premises occupied less than one month shall be charged only for that portion of the month during which the premises were occupied.

7-6-22:        DUE DATE: Bills rendered for water service are payable upon receipt and become past due fifteen (15) days from the date on which rendered. When the past due date falls on a legal holiday or on a day when City offices are not open for business, the next regular business day is considered the past due date. When remittances are made by mail, bills shall be deemed paid on the date of mailing as shown by the postmark.

7-6-23:        DELINQUENT ACCOUNTS:

- A.     Notifications. Prior to termination the following notices shall be given:
  - (1)     On the Tenth (10<sup>th</sup>) calendar day after the bill has not been paid, the Customer will be mailed a Delinquent Notice. The Delinquent Notice will tell the Customer that the service will be disconnected five (5) calendar days after the notice is mailed, if the bill is not paid.
  - (2)     On the sixth (6<sup>th</sup>) calendar day after the mailing of the Delinquent Notice, a yellow-colored notice will be delivered to the place of service. The yellow notice will advise the Customer that the service will be disconnected on the following calendar day, if the bill is not paid by the time specified.
  - (3)     If the bill is not paid by the deadline on the yellow-colored notice, a red colored notice will be delivered to the place of service advising the Customer that the service has been disconnected.

- (4) Each of the notices will contain a statement of additional administrative charges and any reconnect fee that may be imposed as well as the account balance.

B. Schedule of Rate; Payment Policy:

- (1) Administrative Charges. Administrative charges and reconnect fees, as determined by the City Council and as set by their resolution, shall be imposed under the following conditions:
  - (a) On the fifth (5<sup>th</sup>) calendar day, from the due date printed on the current utility billing statement, after the system bill has not been paid, an administrative charge will be imposed to cover the cost of processing notices, and general administration as to the delinquency. The administrative charge authorized herein will not apply to Accounts with a balance of Nine Dollars and Ninety-Nine Cents (\$9.99) or less.
  - (b) If it is necessary to deliver a Disconnect Notice and if service is disconnected, a fee for reconnection of services will be charged and must be paid before services can be reconnected to that point of service.
  - (c) The Delinquency Charge Notice, the administrative charge and the reconnect fee will be required to be paid, in addition to the amount of the unpaid balance for services rendered, before any reconnection will occur.
  - (d) At the time of the creation of the next utility system bill creation cycle, all accounts with a delinquent balance on any or all utility services, will have an administrative fee equal to one and one-half percent (1.5%) of the entire utility billing delinquent balance added to the Account Balance due on a monthly basis until such balance is fully paid. *[Section 7-6-23 amended January 9, 2024, Ordinance No. 2024-01-01.]*

7-6-24 WATER SERVICE DISCONTINUANCE AND CURTAILMENT:

- A. When any property owner, person, firm business, etc., determines that his residence, business, etc., is going to be vacant, not used, shut down, etc., for an extended period of time, he/she shall notify the Water Superintendent. Under these circumstances the Water Superintendent shall shut off the water service to the facilities. When the home, business, etc., is reoccupied, the Water Superintendent shall again be notified, and he/she shall restore water service once again to the facilities. Since there is significant potential for freezing and thus damage to the service line in the event of a lengthy shut down period, the property owner shall be responsible at his/her expense for any water service line that is located on City right-of-way properties and also any associated repairs that are needed on his/her

private property including the cost of replacing water meter, meter readout, etc., if it becomes necessary to do so. In the case where water service is discontinued, the property owner shall still be required to pay the monthly water base rate fee even while the property is vacated.

- (1) When the City determines, by resolution and order of the City Council, that circumstances require the curtailment of water usage within the City for whatever reason, Notice of the decision and terms of the curtailment shall be given by mailing a written explanation thereof to each account holder receiving water services within the City. Such curtailment shall be effective no sooner than ten (10) days after the date of such mailing, unless an emergency situation exists, which is declared in the City Council resolution, in which event the curtailment may take effect immediately. Reasonable efforts shall be made to notify all water patrons of the emergency curtailment prior to imposition of the penalties hereunder.
- (2) Any person who violated the terms of a curtailment resolution and order shall be subject to the following penalties:
  - (a) On the first violation an oral or written warning.
  - (b) On the second violation a \$50.00 penalty to be assessed on the water bill of the violator.
  - (c) On the third violation, discontinuance of water service and a \$50.00 penalty to be assessed on the water bill of the violator. Service shall not be reinstated unless and until any delinquency is satisfied, and a restoration fee is paid pursuant to Section 23 of this Chapter.

7-6-25: WATER SYSTEM FUND: There is hereby established a Water System Fund to be maintained by the City Clerk in managing the fiscal affairs of the City. All revenues derived from the charging of any fees, charges, rates, etc., as such are set forth herein shall be deposited in said fund and shall be disbursed only for the purposes of paying existing or future indebtedness connected with or relating to maintaining, repairing, studying, controlling, enlarging, extending, enhancing, or improving the Water System of the City of Albion.

7-6-26: WATER SYSTEM MATERIALS AND INSTALLATIONS:

- A. All water main line, valves, fire hydrants, and fitting materials and their installation shall be in accordance with City of Albion Standard Specifications for the Construction of Water System Improvements and the applicable Standard Drawings depicting various waterline installation details.
- B. All water service line materials and their installation shall be in accordance with the City of Albion Standard Specifications for the Construction of Water System

Improvements and the applicable Standard Drawings depicting the various water service line installation details.

- C. All water system materials shall be of the class, strength, thickness, etc. necessary to accommodate or provide for the depth of cover over the pipe, the anticipated working pressure in the pipe, the type of material and bedding around the pipe, and the type, magnitude, and extent of the external loads being applied to the pipe.
- D. All materials must be approved by an engineer designated by the City prior to their installation.

7-6-27: WATER SYSTEM DESIGN:

- A. The plans for all waterlines, booster stations, etc. shall be designed, signed, and sealed by a Registered Professional Engineer licensed in the State of Idaho.
- B. All waterlines, booster stations, etc. shall be designed in accordance with the State of Idaho Division of Environment requirements.
- C. Minimum water main size shall be six (6) inch diameter. Larger sizes shall be as required by the City's overall Water System Master Plan or as are needed to provide adequate water carrying capacity for the area (and surrounding developable area) being developed and/or annexed to the City. Minimum building service line size shall be three-quarter (3/4) inch diameter.
- D. Materials:
  - (1) Standards, materials selection: Pipe, fittings, valves and fire hydrants shall conform to the latest standards issued by the AWWA, if such standards exist, and be acceptable to the City. In the absence of such standards, materials meeting applicable Product Standards and acceptable to the City may be selected. Special attention shall be given to selecting pipe materials which will protect against both internal and external pipe corrosion.
  - (2) Packing and jointing materials used in the joints of pipe shall meet the standards of the AWWA and the City. Pipe having mechanical joints or slip-on joints with rubber gaskets is preferred.
- E. Water Main Design:
  - (1) Pressure: All water mains, including those not designed to provide fire protection, shall be sized after a hydraulic analysis based on flow demands and pressure requirements. The system shall be designed to maintain a minimum pressure of 20 psi at ground level at all points in the distribution system under all conditions of flow. The normal working pressure in the distribution system should be approximately 90 psi and not less than 45 psi.

- (2) Diameter: The minimum size of water main for providing fire protection and serving fire hydrants shall be six-inch diameter. Larger size mains will be required if necessary to allow the withdrawal of the required fire flow while maintaining the minimum residual pressure specified in Section one above.
- (3) Fire Protection: When fire protection is to be provided, system design should be such that fire flows and facilities are in accordance with the requirements of the state Insurance Services Office.
- (4) Small mains: Any departure from minimum requirements shall be justified by hydraulic analysis and future water use, and can be considered only in special circumstances.
- (5) Hydrants: Water mains not designed to carry fire-flows shall not have fire hydrants connected to them.
- (6) Dead ends: Dead ends shall be minimized by looping of all mains whenever practical.
- (7) Flushing: Where dead-end mains occur they shall be provided with a fire hydrant if flow and pressure are sufficient, or with an approved flushing hydrant or blow-off for flushing purposes. Flushing devices should be sized to provide flows which will give a velocity of at least 2.5 feet per second in the water main being flushed. No flushing device shall be directly connected to any sewer.

F. Valves: Sufficient valves shall be provided on water mains so that inconvenience and sanitary hazards will be minimized during repairs. Valves should be located at not more than 500-foot intervals in commercial districts and at not more than one block or 800-foot intervals in other districts.

G. Hydrants:

- (1) Location and spacing: Hydrants should be provided at each street intersection and at intermediate points between intersections as recommended by the state Insurance Services Office. Generally, hydrant space may range from 350 to 600 feet depending on the area being served.
- (2) Valves and nozzles: Fire hydrants should have a bottom valve size of at least five inches, one 4-1/2-inch pumper nozzle and two 2-1/2-inch nozzles.
- (3) Hydrant leads: The hydrant lead shall be a minimum of six inches in diameter. Auxiliary valves shall be installed in all hydrant leads.
- (4) Drainage: Hydrant drains should be open. A gravel pocket or dry well shall be provided unless the natural soils will provide adequate drainage. Hydrant drains shall not be connected to or located within 10 feet of sanitary sewers or storm drains.

H. Air Relief Valves; Valve, Meter and Blow-off Chambers:

- (1) Air relief valves: At high points in water mains where air can accumulate provisions shall be made to remove the air by means of hydrants or air relief valves. Automatic air relief valves shall not be used in situations where flooding of the manhole or chamber may occur.
- (2) Air relief valve piping: The open end of an air relief pipe from automatic valves shall be extended to at least one foot above grade and provided with a screened, downward-facing elbow. The pipe from a manually operated valve should be extended to the top of the pit.
- (3) Chamber drainage: Chambers, pits or manholes containing valves, blow-offs, meters, or other such appurtenances to a distribution system, shall not be connected directly to any storm drain or sanitary sewer, nor shall blow-offs or air relief valves be connected directly to any sewer. Such chambers or pits shall be drained to the surface of the ground where they are not subject to flooding by surface water, or to absorption pits underground.

I. Installation of Mains:

- (1) Standards: Specifications shall incorporate the provision of the AWWA standards and/or manufacturer's recommended installation procedures.
- (2) Bedding: A continuous and uniform bedding shall be provided in the trench for all buried pipe. Backfill material shall be tamped in layers around the pipe and to a sufficient height above the pipe to adequately support and protect the pipe. Stones found in the trench shall be removed for a depth of at least six inches below the bottom of the pipe.
- (3) Cover: In general, waterlines shall be sufficiently deep so as to provide frost protection. Waterlines shall have at least four (4) feet of cover (from the top of waterline pipe to the ground or street surface) unless a special design is approved by an engineer designated by the City.
- (4) Blocking: All tees, bends, plugs and hydrants shall be provided with reaction blocking, tie rods or joints designed to prevent movement.
- (5) Pressure and leakage testing: All types of installed pipe shall be pressure tested and leakage tested in accordance with the latest edition of AWWA Standard C600.
- (6) Disinfection: All new, cleaned or repaired water main shall be disinfected in accordance with AWWA Standard C601. The specifications shall include detailed procedures for the adequate flushing, disinfection, and microbiological testing of all water mains.

J. Separation of water mains, sanitary sewers and storm sewers:

- (1) General: The following factors should be considered in providing adequate separation:
  - (a) materials and type of joints for water and sewer pipes,
  - (b) soil conditions,
  - (c) service and branch connections into the water main and sewer line,
  - (d) compensating variations in the horizontal and vertical separations,
  - (e) space for repair and alterations of water and sewer pipes,
  - (f) off-setting of Pipes around manholes.
- (2) Parallel installation: Water mains shall be laid at least 10 feet horizontally from any existing or proposed sewer. The distance shall be measured edge to edge. In cases where it is not practical to maintain a ten foot separation, the reviewing authority may allow deviation on a case-by-case basis, if supported by data from the design engineer. Such deviation may allow installation of the water main closer to a sewer, provided that the water main is laid in a separate trench or on an undisturbed earth shelf located on one side of the sewer at such an elevation that the bottom of the water main is at least 18 inches above the top of the sewer.
- (3) Crossings: Water mains crossing sewers shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sewer. This shall be the case where the water main is either above or below the sewer. At crossings, one full length of water pipe shall be located so both joints will be as far from the sewer as possible. Special structural support for the water and sewer pipes may be required.
- (4) Exception: City must specifically approve any variance e requirements of Sections 2 and 3 when it is impossible to obtain the specified separation distances.
- (5) Force mains: There shall be at least 10 foot horizontal separation between water mains and sanitary sewer force mains. There shall be an 18 inch vertical separation at crossings as required in Section 3.
- (6) Sewer manholes: No water pipe shall pass through or come in contact with any part of a sewer manhole.



K. Surface Water Crossings: Surface water crossings, whether over or under water, present special problems. The reviewing authority should be consulted before final plans are prepared.

- (1) Above-water crossing: The pipe shall be adequately supported and anchored, protected from damage and freezing, and accessible for repair or replacement.
- (2) Underwater crossings: A minimum cover of five feet shall be provided over the pipe. When crossing water courses which are greater than 15 feet in width, the following shall be provided:
  - (a) the pipe shall be of special construction, having flexible watertight joints,
  - (b) valves shall be provided at both ends of water crossings so that the section can be isolated for testing or repair; the valves shall be easily accessible, and not subject to flooding; and the valve closest to the supply source shall be in a manhole,
  - (c) permanent taps shall be made on each side of the valve within the manhole to allow insertion of a small meter to determine leakage and for sampling purposes.

L. Cross-connections and interconnections:

- (1) Cross-connections: There shall be no connection between the distribution system and any pipes, pumps, hydrants, or tanks whereby unsafe water or other contaminating materials may be discharged or drawn into the system.
- (2) Cooling water: Neither steam condensate nor cooling water from engine jackets or other heat exchange devices shall be returned to the potable water supply.
- (3) Interconnections: The approval of the reviewing authority shall be obtained for interconnections between potable water supplies.

M. Water services and plumbing:

- (1) Plumbing: Water services and plumbing shall conform to relevant local and/or state plumbing codes.
- (2) Booster pumps: Individual booster pumps shall not be allowed for any individual service from the public water supply mains.

- N. Sanitary waterlines and waterlines shall, wherever possible, be located on opposite sides of the street. Preferably, waterlines shall be located thirteen (13) feet west or north of the street centerline and the sanitary water at thirteen (13) feet east or south of the street centerline. Where storm drains are needed these shall preferably be located along the street centerline. The above-referenced locations and dimensions may be varied to accommodate unusual circumstances.
- O. All drawings shall be on linen or mylar in ink and of such quality that they clearly show the dimensions, locations, sizes, etc. of all facilities represented thereon. All main lines, valves, fire hydrants, building service lines, etc., shall be clearly shown and identified by name and by station or other means of horizontal location. Waterlines shall be shown in both plan and profile unless the length of said waterline or waterline extension is so short that an engineer designated by the City waives this requirement. If a profile of the waterline is not provided it shall be located in the vertical plane by elevations on the flowline of the pipe at intervals as the City Engineer may require. Drawings shall be drawn on a scale of 1" = 50' unless the amount of detail, topography, etc. necessitates their being drawn on a larger scale (i.e. 1" = 30') to provide the clarity and completeness needed on the drawings.
- P. The design of all waterlines and all waterline plans must be approved by the City Engineer.

7-6-28: [Repealed by Ordinance No. 2014-01-01, June 3, 2014.]

7-6-29: [Repealed by Ordinance No. 2014-01-01, June 3, 2014.]

7-6-30: [Repealed by Ordinance No. 2014-01-01, June 3, 2014.]

7-6-31: [Repealed by Ordinance No. 2014-01-01, June 3, 2014.]

7-6-32: [Repealed by Ordinance No. 2014-01-01, June 3, 2014.]

7-6-33: AS BUILT DRAWINGS AND ENGINEER'S CERTIFICATION:

- A. "As Built" or "Record" Drawings of waterline plans shall be prepared by a Professional Engineer and the "corrected" original drawings or a duplicate mylar copy of the "corrected" original drawing(s) shall be provided to the City.
- B. "As Built" Plans shall include a "Certification" thereon signed by the Registered Professional Engineer in charge of the work that the "As Built" drawings of the waterlines are true and correct and that he (the Registered Professional Engineer) has inspected the construction of the waterline installation and that the materials and installation of same were all done in conformance with the City Standard Specifications for the Construction of Waterline Improvements.

7-6-34: SUBDIVISION DEVELOPER'S OR PROPERTY OWNER'S RESPONSIBILITY FOR WATERLINES:

- A. The Owner or developer of any piece of property or tract of land is responsible for the construction of the waterline (or for the waterline costs) along any of the property sides or frontages of the property along which a waterline is needed for the overall completeness and continuity of the City's water main system. If it is a large tract of land, the Owner or developer shall also be responsible for the necessary and required system of waterlines within the interior of the tract of land.

The Owner or developer of any piece of property shall construct all needed waterlines (of the approved size) within and along all sides or frontages of any piece of property prior to the time any building constructed thereon is occupied or utilized unless "phased). construction of the water main system is specifically allowed or provided for in the Annexation or Development Agreement. In lieu of actually constructing said required waterline or waterlines, the property owner or developer may deposit adequate monies with the City to fully cover the cost(s) of said required waterline construction.

- B. The Owner or developer of any property or subdivision will normally be responsible only for the cost of up to a six (6) inch diameter waterline. The additional cost of providing a waterline of a size greater than six (6) inches will normally be a City responsibility. The City will reimburse the Developer for the extra cost of the additional waterline size (over the 6-inch diameter size referenced above) as set forth in the Annexation or Development Agreement between the Developer and the City. Provided further, however, that if any proposed subdivision or development is of such size or magnitude that it requires or necessitates a water main size larger than a six (6) inch diameter line or if the type of development is such as to produce a water flow in excess of the capacity of a six (6) inch diameter waterline, then the owner or developer of said subdivision or development shall be responsible for the entire cost of whatever size of waterline is needed to accommodate his development.
- C. If the property owner or developer owns or is developing the property on only one side (as compared to both sides) of any street, alley, or easement where a waterline is located or required, he (or they) shall be responsible for only one-half (1/2) of the cost of said waterline while the property owner on the other side of said street, alley, or easement shall be responsible for the other half of the cost of said waterline construction. However, in the absence of any mutual agreement between the property owners, the City may participate with the first Owner or Developer to the extent of paying for one-half the cost of a six (6) inch diameter waterline across said referenced property frontage. The second property owner will thereafter be responsible for reimbursing the City for his half of the costs of this waterline construction at the time he (the Second Property Owner or Developer) begins to develop or build upon his property that is adjacent to the waterline installed by the First Property Owner.

Provided further, however, that if the waterline construction is for an area or a development that is Outside-of-the-City-Limits or if the length of the waterline construction in which the City would be participating (as referred to above) exceeds five hundred (500) lineal feet, the City may decline to participate in the cost of said waterline construction except to pay for the extra cost differential between the size of waterline required to serve the development and the actual size of line that the City designates shall be installed to meet the requirements of its Water System Master Plan. When this situation or set of circumstances exists, the property owner or developer who first initiates or actually begins the development of his property, shall be responsible for "front-ending" the entire cost of the waterline construction and for actually constructing said waterline. The second (or other) property owner(s) will thereafter be responsible for reimbursing the property owner for his (or their) share of the costs of the waterline along his (or their) frontage at the time he (or they, the other adjacent property owners or developers) begin(s) to develop or build upon his (or their) property adjacent to the waterline installed by the first property owner. In the absence of any agreement between the first property owner or developers covering the cost of said waterline(s) the referenced other adjacent property owners or developers shall pay to the City the amount of \$12 per lineal foot (or such other amount as the City may hereinafter establish and adopt by Ordinance) for the length of waterline across his (or their) frontage. The City, in turn, will reimburse this same amount to the first party, which reimbursement shall be deemed adequate and appropriate compensation for his (or their) share of the cost of said waterline.

7-6-35: CITATION; APPEARANCE: Whenever it is determined by any police officer or other duly authorized officer that any person or persons have violated any provisions of this Ordinance, the said officer shall provide in quadruplicate and serve upon such person or persons a written citation containing a notice to appear in a designated court of competent jurisdiction within the County of Cassia, Idaho. This citation shall contain the name and address of the person charged, the offense charged, the time and place when and where the offense charged occurred, and the time when the person charged shall appear in said court, and such other pertinent information as may be necessary; and such person or persons shall appear in said court as directed in the citation. The issuance of a citation shall not be the exclusive method of summoning offenders hereunder.

7-6-36: PENALTIES: Any person violating any provision of this Ordinance shall be guilty of a misdemeanor, and upon conviction thereof, may be punished by a fine of not more than \$300 or by imprisonment for not more than thirty (30) days or by both such fine and imprisonment. Each day said violation occurs shall be a separate offense.