TOWN OF HUDSON
WATER DIVISION
RATES, RULES AND REGULATIONS

TOWN OF HUDSON
DEPARTMENT OF PUBLIC WORKS
1 MUNICIPAL DRIVE
HUDSON MA 01749
(978) 562-9333

ERIC RYDER
DIRECTOR

KEN BLOOD
ASSISTANT DIRECTOR

BOB MORIARTY
CHIEF OPERATOR

BRIAN GAUTHIER
ASSISTANT CHIEF OPERATOR

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SECTION I

1.1 AUTHORITY AND RESPONSIBILITY

The Board of Selectmen shall have power to establish regulations for the introduction and use of water.

All persons taking water supplied by the Town shall prevent all waste of water.

The Director of Public Works or any of his assistants, may enter the premises of any water user to examine any water pipes and plumbing therein, or thereon, for the purpose of ascertaining whether there is any waste of water and for the purpose of determining the quantity of water used and the manner of use, and for the further purpose of shutting off the water for non-payment of rates, or fines, or if the property is unoccupied and/or abandoned, or for any alleged violations of the provisions of this section.

The Department of Public Works shall have the power to decide what is waste or what is improper use of water and to restrict its use. If the water user refuses, or neglects to comply with any lawful order of this Department after proper notice is given to him the water may be shut off until compliance with the order is ascertained and payment of a fifty dollar ($50) charge for reconnection is made.

The Department of Public Works, in consultation with the Hudson Fire Department and Hudson Light & Power, may decide to shut off water if the property is unoccupied and/or abandoned, and based upon the risk of property damage and threat to the public safety that could occur if the pipes in the house/building were to freeze and subsequent flooding of the house/ building and to the public way were to occur.

The Department of Public Works may make repairs, extensions or improvements on the waterworks, provide new main pipes and construct or repair hydrants established by the Town.

The Department of Public Works does not guarantee constant pressure, nor uninterrupted service, nor does it assure either a full volume of water or the required pressure per square inch necessary to effectively operate appliances of any kind, the same being subject to all the variable conditions, which may occur in the use of water from the main pipe.

The Town will not be responsible for damages caused by shutting off water for the purpose of doing repairs on pipes, gates, hydrants or other fixtures, or by any work on the main pipe system, or by breaks in the pipes, or by low pressure resulting from any cause or as a result of shutting water off to unoccupied and/or abandoned buildings. Reasonable notice shall be given if possible, to all customers before the water is shut off, except in case of emergency.

Any work done on the public water supply system by a private contractor or agent shall only be performed after procurement from the Department of all necessary permits and licenses as hereinafter described.

No plumber or other person not in the employ of the Department of Public Works Water Division shall shut water off or turn on the water at any service pipe except at the cellar wall. Whenever by request of the owner, or his representative, water is turned on or off at the curb stop for testing plumbing or other purposes, the charge for turning on or shutting off water shall be fifty dollars ($50.00).

No person, not in the employ of the Department of Public Works, or a member of the Fire Department in the performance of his duties, shall turn on any hydrant, public or private, without first obtaining permission from the Water Department.

1.2 RATE SETTING

The Board of Selectmen shall determine and assess the water rates.

1.3 ABATEMENTS

The Department of Public Works may make abatements in water charges in all proper cases upon receipt, in writing, from the property owner of a request for abatement, stating reason for such requests, together with all information necessary to evaluate its merits. Excessive usage caused by pipe leaks, or leaking fixtures, on the owner's property beyond the meter shall not be considered cause for abatement. All applications for abatements must be filed within 30 days of the due date of the bill for which the abatement is being requested.

Should the owner request the meter be removed and checked, the Department will do so in accordance with Section 2.3.

1.4 METERING

All water will be measured by meter and charged for, whether wasted or not, in accordance with the approved schedule of rates.

1.5 FEES

"A" RESIDENTIAL ENTRANCE FEES

a. Single Residence/Condominiums/Duplexes $2500.00
b. Duplexes (If two water meters are approved) ..... $2500.00 per unit
c. Multiple Dwellings (more than two units) ..... $2500. Plus $1500.00 per unit
   Multiple dwellings shall be considered as all structures containing more than one dwelling unit such as apartment houses, apartment complexes, hotels, motels, trailer parks, etc.

"B" NON-RESIDENTIAL/COMMERCIAL/INDUSTRIAL ENTRANCE FEES

Non-Residential/Commercial/Industrial entrance fees shall be based on size of service pipe as follows:

1"---------- $3,000.00
1 1/2" ---------- $3,500.00
2"---------- $4,000.00
4"---------- $4,500.00
6"---------- $5,000.00
8"---------- $7,500.00
10"---------- $8,500.00
12"---------- $10,500.00

"C" SECONDARY OR BRANCH MAINS CONNECTED TO TOWN MAIN

a. Residential subdivision or development.
   The entrance fee shall be $3,000 for each connection of the secondary or branch main or mains to town mains, plus the appropriate residential entrance fees listed in sub-section A of this section for each service connected to the branch of secondary main.
b. Commercial or industrial subdivision or development.
   The entrance fee shall be $3,000 for each connection of the secondary or branch main or mains to town mains, plus the appropriate non-residential entrance fees listed in sub-section B of this section for each service connected to the branch of secondary main.

"D" FIRE SERVICE FEES

Any service to be used for fire protection purposes (i.e. feeding hydrants, sprinkler systems, etc.) shall be a separate service from the main and subject to the following charges:

a. ENTRANCE FEES
   1. 8" diameter or smaller $2,000.00
   2. Over 8" diameter $3,000.00

b. ANNUAL FEES
   1. A yearly charge will be assessed at the rate of $25.00 per inch of pipe diameter for any pipe 4" or greater.
   2. A yearly charge for on-site hydrants will be assessed at $150.00 for each hydrant.

"E" TESTING OF FIRE SERVICES

No person shall test a fire service from either a fire hydrant or any building outlet (including pump test headers) without first contacting the Department of Public Works at least 72 hours in advance for scheduling and/or permission.

Only the Director of Public Works, or his designee, shall turn a hydrant on or off for testing purposes. The Director of Public Works, or his designee, shall be present for the conducting of any and all fire pump tests. A charge of $250.00 will be assessed for either of these services.

The Director reserves the right to postpone the testing of any service due to certain circumstances such as weather, freezing, red water, etc.

Whenever any provision of this Section is violated, the property owner for which this test is to be done will be responsible for any and all problems that arise due to improper use of fire services.

1.6 WATER USAGE CHARGES

The water use fee, in addition to such entrance fees as put forth in Section 1.5, shall pay for the water used at the established rate of the Board of Selectmen.

Multiple services for individual residences or facilities shall not be allowed except for extraordinary circumstances as determined solely by the Director of Public Works. In such cases, the computation of charges shall be based on the aggregate usage.

Should a water user desire, due to vacancy or prolonged non-use, to have the water service shut-off, he shall notify the Department, in writing, of his request and the Department will shut the service off at the curb stop.

No bills will be issued while a service is shut off at the curb stop, however, a quarterly minimum bill, in accordance with the Department's water rate schedule, will be issued in all other cases.

When the user desires to have the water turned back on he/she should notify the Department and service will be reactivated and a fee of $50.00 will be assessed.

Bills will be sent to, and liability for payment will rest with, the owner of the property. All bills are due and payable within 30 days of the billing date. Non-payment of bills may be cause for termination of service and/or the placement of a lien on real estate as provided under Chapter 40 Sections 42A through 42F, inclusive, of the Massachusetts General Laws.

SECTION II

2.1 SERVICE PIPE INSTALLATION

Any property owner desiring to connect to the public water supply system must apply to the Department of Public Works Office and fill out the necessary forms. The owner or his authorized agent must sign the prescribed form. This request must be accompanied in all cases by a plot plan showing the location of the proposed connection and appurtenances unless this requirement is waived by the Department of Public Works. Residential duplexes that have been approved by the Director of Public Works to be served by two individual water meters must have two separate and complete water services. Each service must include its own connection at the water main and its own curb stop.

Services not installed by the Department must be installed by contractors licensed by the Department as stated hereinafter. Work performed will be in accordance with Section 3.3.

All services, including individual single-family residences, shall be installed by the developer or property owner who shall furnish all materials, labor and whatever is necessary to complete the service. This includes the furnishing and installing of tapping sleeves and gates for larger services. This work shall be done in accordance with Section 3.3.

Every water user using a boiler is to guard against damage caused by collapse in the event that the water must be shut off without notice.

The Town reserves the right to shut off water temporarily whenever it becomes necessary to make repairs or extensions and to curtail water use when it may so require.

The Town, or the Water Department, shall not be held liable for, nor shall any claims be made against it in consequence of the breaking of any pipe or fixture.

Water services shall be installed no sooner than April 15, and no later than November 15. This requirement can be waived by the Department of Public Works due to unusual circumstances.

2.2 SERVICE PIPE MAINTENANCE

Maintenance and repair of service pipes shall be the responsibility of the property owner from the building to the curb stop, whether the curb stop (gate valve) is on private property or within the public way. In the event that it is not clear if a leak is in the service between the curb stop and the building, the Department will attempt to shut off the water at the curb stop. If the leak is stopped by that action, then it shall be deemed the responsibility of the property owner. If the leak is not stopped by that action, it shall be the responsibility of the Town to repair, and the cost for such repair shall be borne by the town.

Where the responsibility to repair the leak has been determined by the department to rest with the property owner, The Department will so notify the property owner, in writing wherever practicable, allowing the property owner a reasonable period of time to make repairs. During periods of declared water emergencies, said period shall be no longer than 72 hours after notification is made.[1]

If the property owner fails to make said repairs within that time period, or if at any time the department deems the leak to be a public nuisance or a threat to the public health or welfare, it may act to cause the leak to be repaired with the cost of said repair being billed to the property owner.

[1] 72 hour period defined by BOS 4/29/02

2.3 METERS

All individual services from the public water supply shall be metered in a manner approved by the Department of Public Works.

The Department of Public Works may, in the case of a single-family residence, furnish and set the meter at the owner's expense. All other meters shall be purchased and set by property owners in conformity with Department requirements.

All new meters shall be minimum 3/4 inch and all meters must be approved by the Director of Public Works, or his designee. The Town reserves the right to specify the size and type of service and meter dependent upon requirements that may be made upon them by fixtures installed on customer's premises.

All meters shall be equipped with remote reading capability, as approved by the Director of Public Works, or his designee. This includes communication devices that transmit meter registration information off the premises so that meters may be read remotely by radio receivers. The Department maintains the right of access to the premises in order to verify the consistency of the meter registration with the remote registration.

The Department will, if it deems necessary, repair and/or replace damaged or faulty meters in single-family residences at no cost to the property owner except in the case of negligence and frozen meters. All other meters, if deemed by the Director of Public Works, or his designee, to be in need of repair or replacement, shall be repaired or replaced by the property owner within thirty (30) days of notification in writing from the Department.

The property owner shall provide access to the meter at all times. If the property owner requests the Department to remove the meter and check its accuracy there shall be within each three-year period a charge assessed to the owner. If the meter is found to be running accurately (within 2%), the owner shall be charged as follows:

First Test	$25.00
Second Test	$25.00
Third and Additional Tests	$25.00

Should the meter prove to be faulty, no charge will be made.

If a meter falls into disrepair and fails to register, the consumer shall be charged at the average consumption as shown when the meter was in order.

No meter shall be disconnected from the pipe, and no meter or remote reading device shall be moved or disturbed without permission from the Department of Public Works, who will send a properly authorized person to attend to any change needed. In accordance with the provisions of Massachusetts General Laws Chapter 165 Section 11D, the Department shall have the right to change, replace, inspect, repair or remove any meter at any time it deems necessary.

Prior to the transfer of any property having a town water service, the existing service must be upgraded to the Town of Hudson's Water Department specifications at the owner's expense.

2.4 BUILDING RENOVATIONS

Any renovation which proposes changes to the size and/or location of the water line serving the building, and/or relocation of the water meter will be required to bring all components of the water service up to current standards and specifications as part of the proposed project at the owners expense.

2.5 ACCESSORY DWELLING UNITS (ADU)

Water service to the ADU must originate from the existing dwelling and be metered through the existing dwelling. Sub-metering is acceptable but not required. According to state regulations, the sub-meter must be installed downstream of the main house meter. The Town will only read and maintain the main house meter.

2.6 FINAL METER READINGS

See Appendix B for appropriate schedule of final meter reading fees.

SECTION III

3.1 CROSS CONNECTION CONTROL PROGRAM

See Appendix A for Backflow and Cross Connection Regulations

See Appendix B for fees associated with the Departments Backflow and Cross Connection Control Program

SECTION IV

4.1 PERSONS AUTHORIZED TO MAKE CONNECTIONS TO THE WATER SUPPLY SYSTEM

Contractors or individuals of established reputation and experience will be licensed by the Director of Public Works to make connections to the public water supply.

No connections shall be made or service pipes installed, by any contractor or individual not so licensed.

All licensees shall be subject to compliance with the following requirements:

"A" Applicants for licenses are required to pay a filing fee of $50.00 payable to the Town, all of which will be refunded to the applicant if his application is rejected.

"B" All licenses issued will expire on December 31 of each year after which they will be renewed upon payment to the Town of a $50.00 renewal fee.

"C" No licenses shall be transferable.

"D" If approved by the Director, applicants for licenses shall file with the Director, a proper and acceptable performance and guarantee bond in the amount of $1,000.00, which shall remain in full force and effect for at least one year from the date of original approval and each calendar year thereafter upon renewal.

"E" Applicants for licenses, after approval by the Director, shall file with the Director a Certificate of Insurance in the sum of $300,000.00 to cover public liability and a Certificate of Insurance in the sum of $100,000.00 covering property damage. In addition, a Certificate of Insurance covering Workmen's Compensation shall be on file, all of which shall remain in full force and effect for a period of at least one year from the date of original approval and each calendar year thereafter upon renewal. Said insurance shall indemnify the Director and the Town against any and all claims, liability or action for damages, incurred in or in any way connected with the performance of the work of the licensee, and for or by reason of any acts or omission of said licensee in the performance of his work

"F" Applicants for licenses will be approved or disapproved within a period of 15 days after filling the application; after 15 days, a license shall automatically be approved.

"G" The licensee shall comply with all applicable Town, State and Federal codes, rules and regulations.

"H" The Director reserves the right to revoke or suspend any license if any provision of said license if violated.

"I" All licensees are required to give personal attention to all installations and shall employ only competent and courteous workers.

"J" If during the course of their work any licensee shall encounter any previous violations of this Section, he shall give a full written report to the Director within 24 hours of such violation.

"K" All licensees shall have all necessary equipment, tools and materials to perform their work in a professional and competent fashion.

4.2 WORK PERFORMED BY THE DEPARTMENT OF PUBLIC WORKS

In the event that the Department of Public Works, Water Division, either is involved in the installation of a new service or relay to a single-family residence, or repairs to an existing service, the work shall be performed in accordance with the following rules and regulations:

"A" Trenches, or areas of excavation, after completion of the installation or repairs, shall be rough graded and hand raked. Permanent repairs, on the land owner's property (i.e. loaming, seeding, cold patching and hot topping of drives and walks, cement sidewalks, steps, etc.,) shall be at the owner's expense.

"B" Fences or walls, of any kind, if not removed by the landowner, will, if within the Department's means and capabilities, be removed and stacked on the land-owner's property. Upon completion of the Department's work, replanting or replacement of these items will be the responsibility of the landowner.

"C" Trees, bushes, shrubs, hedges, flowers, lawn ornaments, etc., if not removed by the landowner, will, if within the Department's means and capabilities, be removed and stacked on the landowner's property. Upon completion of the Department's work, replanting or replacement of these items will be the responsibility of the landowner.

"D" In the event that the Department's work necessitates the cutting of roots of trees, bushes, shrubs, hedges, etc. the Town will not be responsible for their continued life.

"E" The landowner shall be responsible for notifying the Department of any underground wiring, wells, septic system pipes, drainage pipes, etc., that may be in the line of construction. Unless the Department is notified in advance, the Town will assume no liability for resulting damages.

4.3 WORK PERFORMED BY DEVELOPERS AND/OR PRIVATE CONTRACTORS

"A" There shall be submitted to the Director of Public Works, in the case of a new development, which has the approval of the Planning Board, a plot plan that has been recorded in the Middlesex South District Registry of Deeds. Other private projects approved by appropriate Town agencies shall also submit a plan of the proposed water system.

"B" Any and all plans for a water system in the Town of Hudson shall show and/or specify the following:

All mains will be eight (8) inches or larger diameter ductile iron pipe, Class 52, cement lined mechanical joint or push-on joint according to current AWWA standards (including nipple pieces). All hydrant branches will be six (6) inch ductile iron. All intersections of mains will be gated in their respective directions. No main will extend more than one thousand (1,000) feet in length without the use of a gate valve. All hydrants will be within five hundred (500) feet of each other, and so spaced, at the discretion of the Department of Public Works or the Fire Chief. All hydrants will be gated. All taps to the existing public system will specify a tapping sleeve and gate valve.

"C" Any contractor involved in water works construction in the Town of Hudson will strictly adhere to the provisions as set forth in Section 4.1. No equipment, tools or materials will be rented or loaned from the Department of Public Works. All materials used must be of the same make and quality as set forth hereinafter.

"D" COSTS

All labor and material costs to install a water system as specified herein will be borne by the owner, developer or contractor, whatever the case may be. Costs for taps into the public system and the restoration thereof of any public way will be borne by the owner, developer or contractor.

"E" INSPECTION

Inspection services will be provided by the Town of Hudson only on a scheduled basis. Before any backfilling is done the Department of Public Works Water Division will be notified 24 hours in advance, and a person will inspect the completed work. This method of operation will be used for hydrant installation, main taps, service taps, etc. If the Department of Public Works feels that insufficient workmanship and care is being taken in the installation, a person will be assigned from the Department of Public Works on a full time basis. The contractor or owner will bear the cost of this person at his or her customary hourly wage rate, Monday through Friday from 7:00 A.M. to 3:30 P.M. Any time spent on the site outside of these limits, or on Saturdays, Sundays, or Holidays, will be at twice the charge.

"F" EXCAVATION

A permit from the Department of Public Works will be necessary for a road opening in any public way. Forms may be obtained and filed with the Department of Public Works. It will be the contractor's responsibility to notify utility companies such as gas, telephone, electric, etc., if there is any possibility of their equipment or their property being jeopardized by the excavation. It shall also be the contractor's responsibility to notify the Police and Fire Departments of said work to be performed and, if necessary, to hire uniformed police for traffic control. In the event that the roadway cannot be restored to its normal surface immediately following the work, sufficient care will be taken to make the roadway smooth for traffic and, if necessary, to light with flashers as a warning to motor vehicles.

"G" Before any water mains, water services or hydrants are installed in a new subdivision or development, the contractor will bring the entire site where these utilities are located to sub grade, and such grade will be verified by grade stakes provided and set by a registered land surveyor or engineer employed by the owner or contractor, in order to expedite the verification of such grades by public works personnel.

4.4 CONSTRUCTION REQUIREMENTS

"A" WATER MAINS

All water mains shall be ductile iron, Class 52, cement lined mechanical joint or push-on joint, in accordance with AWWA Standards. Excavation will be to a depth that provides a minimum of five (5) feet of cover over the pipe. If excavation is in ledge, a minimum of twelve (12) inch spacing around the pipe will be required to allow for selected backfill material. It will be at the discretion of the Department of Public Works as to the type of bedding used and will depend on field conditions. In any event, it will be either crushed bank gravel or 3/4" stone. No stones larger than three (3) inches in diameter may be used within the first foot of backfill over the pipe. Once the pipe has sufficient cover with a select material, normal backfilling may proceed with care. Jointing of push-on or Tyton joint pipe will be completed with the use of a come along or bar. If a bar is used, a block of wood will be used between it and the pipe; the same applies for having a backhoe set larger diameter pipe, a block of wood will be inserted between the bucket and the pipe; in no event will there be a metal-to-metal driving force to set the pipe. If this is not strictly complied with, the length of pipe will be removed and a new one used in its place.

A minimum of two (2) bronze wedges will be placed at every pipe joint on pipe 3-12" diameter pipe. Four (4) bronze wedges will be placed at every pipe joint on pipe larger than twelve (12) inch diameter.

"B" HYDRANTS

Hydrants shall be Kennedy model K81, or American-Darling model B-62, meeting the requirements of AWWA C502; open left, 5-1/2 foot bury, 5-1/4" valve opening with bell and inlet for a 6" pipe. All hydrants to be on and in the center of at least a two (2) foot diameter sump by one (1) foot deep consisting of 3/4" stone for drainage purposes. No hydrant shall be placed within fifteen (15) feet of a driveway or access road.

"C" THRUST BLOCKS

Where applicable, all plugs, tees, caps, bends and hydrants shall be provided with a concrete thrust block to prevent movement.

"D" THRUST RESTRAINT GLANDS

Thrust restraint glands shall be used on all mechanical joint fittings, valves and sleeves. Glands shall be specifically designed for use with mechanical joint ductile iron pipe, fittings and valves. Glands shall be Series 1100 MEGALUG by EBAA Iron, or approved equal, and be complete with bolts, nuts, and other related accessories to provide complete installation.

"E" GATE VALVES

Gate valves shall be resilient seated and shall meet the requirements of AWWA C509/C515. Valves shall be rated for 200-psi minimum working pressure. Valves shall be iron body, bronze mounted, resilient seated, non-rising stem type fitted with "O" ring seals. The operating nut shall be 2-inches square. Bolts on the bonnet and stuffing box shall be stainless steel (316 stainless steel). Valves shall have mechanical joint ends that shall be equal to ANSI/AWWA C11/A21.11. Valves shall open right (clockwise).

Approved extensions shall be provided for all gate valves that the depth exceeds 5'6" to the top of the operating nut. Operating nut extensions will allow for proper operation of gate valve with five (5) foot long gate key having a minimum of two (2) foot clearance between the key handle and the finish grade. Main gate boxes shall be cast iron, slide type with at least 6" of adjustment and at least 5 feet long. The covers shall be flush, close fitting with the letter "W" or the word "WATER" cast into the cover.

"F" MAIN LINE TAPS

Main line taps will always be done with the use of a tapping sleeve and gate valve. Tapping sleeves shall be cast or ductile iron full sleeve type capable of containing pressure within the full volume of the sleeve. Tapping sleeves shall be mechanical joint type for use with Class AB or CD cast iron pipe or ductile iron pipe. All tapping sleeves shall have a threaded plug tapped into the body of the tapping sleeve for pressure testing purposes. **Wrap around style stainless steel sleeves shall not be allowed. As an alternate to cast or ductile iron, rigid stainless steel tapping sleeves with removable bolts may be used. Sleeves must be all stainless steel 304 (18-8) construction with a full gasket giving 360 degree pipe coverage. Sleeves will have stainless steel flange outlet to be used with standard tapping gate or mechanical joint (MJ) outlet suitable for use with standard (MJ) X (MJ) resilient wedge gate valves per AWWA C509.** If the contractor is to make the tap himself, he must furnish evidence of his competence through previous work and having necessary tools to perform the work satisfactorily.

"G" SERVICE CONNECTIONS

Service connections shall be at least 1" in diameter. All service pipe two (2) inches or under will be Type K copper tubing. Any connection to the main, larger than one (1) inch, will be made by the use of a two-strap corporation saddle by Smith-Blair, Mueller, or an approved equal. Any service pipe larger than two (2) inches and less than eight (8) inches in diameter will be ductile iron Class 52, cement lined mechanical joint or push-on joint in accordance with AWWA standards. A curb stop and box shall be installed at the property line on the owner's side for each service. The curb stop shall be copper-to-copper compression style, "T" head, open left, as manufactured by Mueller, or approved equal. All service fittings shall be manufactured using no-lead brass. Under no circumstances will any inverted key curbs will be installed in any water system in the Town. The curb box or service box shall be 4-1/2 to 5-1/2 feet, extension type, "Buffalo" box. Minimum cover for services shall be 5' 0". A sand backfill will be carefully placed around the service pipe to protect it from normal backfill and compaction.

"H" HYDROSTATIC TESTING

The contractor shall furnish a water meter, pressure gauge, testing plugs, pumps, pipe connections and other required apparatus. The section of pipe to be tested will be completely filled with water and air blown off through a high point, such as a hydrant. Any failure of the various pipelines, structures, valves, hydrants and related accessories that occurs before final acceptance of the work shall be replaced at the expense of the owner. A successful water pressure test is not to be interpreted as final acceptance.

PRESSURE AND LEAKAGE TEST pursuant to AWWA C600:

1. Test Restrictions: Test pressure shall not be less than 1.25 times the working pressure at the highest elevation along the test section. Test pressure shall not be less than 1.50 times the working pressure at the lowest elevation along the test section. Test pressure shall not exceed pipe or thrust-restraint design pressures. The hydrostatic test shall be of at least a two (2) hour duration. Test pressure shall not vary by more than $\pm$ 5 psi (34.5 kPa) for the duration of the test. Valves shall not be operated in either direction at a differential pressure exceeding the rated valve working pressure. Use of a test pressure greater than the rated valve pressure can result in trapped test pressure between the gates of a double-disc gate valve. For tests at these pressures, the test setup should include a provision, independent of the valve, to reduce the line pressure to the rated valve pressure on completion of the test. The valve can then be opened enough to equalize the trapped pressure with the line pressure or fully opened if desired. The test pressure shall not exceed the rated pressure of the valves when the pressure boundary of the test section includes closed, resilient seated gate valves or butterfly valves.

2. Pressurization: After the pipe has been laid, all newly laid pipe or any valved section thereof, shall be subjected to a hydrostatic pressure of at least 1.5 times the working pressure at the point of testing. Each valved section of pipe shall be slowly filled with water; and the specified test pressure (based on the elevation of the lowest point of the line or section under test and corrected to the elevation of the test gauge), shall be applied by means of a pump connected to the pipe. Valves shall not be operated in either the opening or closing direction at differential pressures above the rated pressure. It is good practice to allow the system to stabilize at the test pressure before conducting the leakage test.

3. Air Removal: Before applying the specified test pressure, air shall be expelled completely from the section of piping under test. If permanent air vents are not located at all high points, corporation cocks shall be installed at such points so that the air can be expelled as the line is filled with water. After all the air has been expelled, the corporation cocks shall be closed and the test pressure applied. At the conclusion of the pressure test, the corporation cocks shall be removed and plugged or left in place as required by the specifications.

4. Examination: All exposed pipe, fittings, valves, hydrants and joints shall be examined carefully during the test. Any damage or defective pipe, fittings, valves, hydrants or joints that are discovered following the pressure test shall be repaired or replaced with sound material; and the test shall be repeated until satisfactory results are obtained

5. Leakage defined: Leakage shall be defined as the quantity of water that must be supplied into the newly laid pipe or any valved section thereof to maintain pressure within 5 psi (34.5 kPa) of the specified test pressure after the pipe has been filled with water and the air has been expelled. Leakage shall not be measured by a drop in pressure in a test section over a period of time.

6. Allowable leakage: No pipe installation will be accepted if the leakage is greater than that determined by the following formula:
   In inch/pound units,

$$L = \frac{SD\sqrt{P}}{133{,}200}$$

   Where:
   L = allowable leakage, in gallons per hour
   S = length of pipe tested, in feet
   D = nominal diameter of the pipe, in inches
   P = average test pressure during the leakage test, in pounds per square inch (gauge)

These formulas are based on a testing allowance of 10.49 gpd/mi/in. of nominal diameter of pipe at a pressure of 150 psi. When testing against closed metal-seated valves, an additional testing allowance per closed valve of 0.0078 gph/in of nominal valve size is allowed. When hydrants are in the test section, the test should be made against the main valve in the hydrant.

If any test of a new pipeline discloses a testing allowance greater than that allowed, repairs or replacement shall be performed and the test repeated until satisfactory results are obtained. All visible leaks must be repaired regardless of the allowance used for testing.

"I" DISINFECTION

The completed pipeline is to be disinfected with a chlorine concentration of approximately 50 PPM prior to being placed in service. The introduction of this chlorine shall be accomplished by either pumping a chlorine solution, fed at a constant rate, such that the water will have not less than 25 mg/L free chlorine at a point not more than 10 ft. downstream from the beginning of the new main. Or, by placing calcium hypochlorite tablets tablets in the main during construction. If tablets are used they shall be secured to the top of the pipe, using food grade adhesive at the following locations:

1. At the upstream end of the first section of pipe
2. At the upstream end of each branch main
3. At 500-ft. intervals thereafter

All valves shall be positioned so that strong chlorine solution in the main being treated will not flow into water mains in active service. Chlorination shall not cease until entire main is filled with heavily chlorinated water. The chlorinated water shall be retained in the main for at least 24 hours, during which time all valves and hydrants in the treated section shall be operated to ensure disinfecting of the appurtenances. At the end of this 24 hour period, the treated water in all portions of the main shall have a residual of not less than 10-mg/L free chlorine.

"J" BACTERIOLOGICAL TESTING

Pursuant to AWWA Standard C651, the following bacteriological testing protocol is to be used on all newly installed water mains.

1. After pressure testing and chlorinating, the final flushing should be performed until the water exiting the newly chlorinated main has a chlorine residual no greater than the feed water being used to flush the main.
2. Two options are provided for the bacteriological testing for total coliform analysis
   - Option A: Take an initial set of samples and then resample again after a minimum of 24 hours, using the same sample sites as before. Both sets of samples must pass for the main to be approved.
   - Option B: Allow the main to sit, without any water use, for a minimum of 24 hours after the final flushing is performed. Then, without flushing the main, two sets of samples a minimum of 15 minutes apart while the sampling taps are left running. Both sets of samples must pass for the main to be approved.
3. A set of samples includes all samples collected upon the length of pipeline, as described below.
   i. For new mains, sets of samples shall be collected every 1200 ft. of the new water main, plus one set from the end of the line and at least one from each branch greater than one pipe length.
   ii. If trench water has entered the new main during construction or if, in the opinion of the DPW director or his/her designee, excessive quantities of dirt or debris have entered the new main, bacteriological samples shall be taken at intervals of approximately 200 ft. Sample sets from these locations shall be taken of water that has stood in the new main for at least 24 hours after final flushing has been completed.
   iii. A standard heterotrophic plate count (HPC) test may be required, at the discretion of the DPW director or his/her designee, because new mains do not typically contain coliform bacteria but often contain HPC bacteria. If sample results show HPC greater than 500 CFU/ml, flushing should resume and another set of HPC and coliform samples collected until no coliform are present and the HPC is less than 500 CFU/ml.

"K" AS BUILT PLANS

As built plans are required to be furnished to the Department in duplicate, by the contractor, or owner, at the completion of the project. The plans in particular will depict exact distances between gate valves, and ties to gate valves both in the main and on hydrant branches. Curb box locations shall be referenced to the house or building that it serves by at least two ties from permanent points.

4.5 VIOLATIONS

The provisions of this Section shall constitute a part of the contract with every person who takes Town water. Every person taking Town water shall be considered as having expressed his, or her, consent to be bound thereby.

Whenever any provision of this Section is violated, the water shall be shut off and shall not be let on again except on the payment of $50.00 and all chargeable rates. The Director of Public Works may declare any payment made for the water by the persons committing a violation to be forfeited and the same shall thereupon be forfeited.

Any account delinquent more than thirty (30) days after the due date may be subject to termination. Notification of such termination shall be by certified mail and said termination shall not take place if full payment is made within fifteen (15) days of said notice. The holder of any account subject to termination hereunder may request an appeal hearing before the Town Accountant, The Town Collector, and the Director of Public Works. The request for such an appeal must be made within three (3) days of receipt of the termination notice.

SECTION V[1]

5.1 WATER CONSERVATION MEASURES AND RESTRICTIONS DURING PERIODS OF WATER SHORTAGE.

In accordance with Article VI, Section 44, of the Town's general By-Laws, Water Supply Protection, and with the terms of any water management act withdrawal permit or other regulations issued by the Department of Environmental Protection (DEP), certain water use restrictions shall be put into effect when different levels of water shortage or drought are identified.

5.2 WATER CONSERVATION LEVELS AND RESTRICTIONS[2]

Level I – Normal	None
Level II – Advisory	Voluntary Conservation to minimize usage
Level III – Watch	Mandatory Conservation with outdoor watering permitted only between 5:00 PM and 9:00 AM. Car washing is permitted between 5:00 PM and 9:00 AM. Filling of new swimming pools prohibited.
Level IV – Warning	Mandatory Conservation with outdoor watering limited as above except that odd numbered houses may water on Tuesday, Thursday and Saturday, and even numbered houses on Sunday, Wednesday, and Friday.
Level V – Emergency	No Outdoor Watering

5.3 PROCEDURES

Water use restrictions, whether promulgated locally or mandated by the DEP, shall be adopted by the Board of Selectmen at a regularly posted meeting.

In the event of an emergency, restrictions may be imposed by the Director of Public Works, after consultation with the Executive Assistant, and shall be subject to review and ratification by the Board at its next meeting.

5.4 VIOLATIONS

Violations shall be subject to enforcement pursuant to Article VI, Section 44.7 of the general Bylaws of the Town of Hudson.

[1] Section V added by BOS 5/19/2003

[2] Restrictions do not apply to private water supplies or to commercial or industrial uses integral to the commercial or industrial process.

APPENDIX A

BACKFLOW AND CROSS CONNECTION REGULATIONS

ADOPTED BY THE HUDSON BOARD OF SELECTMEN OCTOBER 23, 1989

CROSS CONNECTION CONTROL AUTHORITY

Under Public Law 93-523, the Safe Drinking Water Act of 1974, and Massachusetts Reg. 310 CMR, Section 22.22. Protection of Sources of Water, the water purveyor has the primary responsibility for preventing water from the unapproved sources, or any other substances, from entering the public potable water system.

SECTION I ..... CROSS CONNECTION CONTROL – GENERAL POLICY

1.1 PURPOSE

1.1.1 The purpose of this regulation is: To protect the public water supply of the area served by the Town of Hudson Department of Public Works from possibility of contamination or pollution by isolation within its customer's internal distribution system(s) or its customer's private water system(s) such contaminants or pollutants which could backflow or back-siphon into the public water supply system; and

1.1.2 To promote the elimination or control of existing cross connections, between its customer's in-plant potable water system(s) and non-potable systems, plumbing fixtures and industrial piping systems; and

1.1.3 To provide for the maintenance of a continuing program of cross connection control which will systematically and effectively prevent the contamination or pollution of all potable water systems by cross connections.

1.2 RESPONSIBILITY

The Director of the Department of Public Works shall be responsible for the protection of the public potable water distribution system from contamination of pollution due to the backflow or back-siphonage of contaminants or pollutants through the water service connection. lf, in the judgement of said Director, an approved backflow prevention device is required, at the Town's water service connection to any customer's premises, for the safety of the water system, the Director or his designated agent shall give notice in writing to said customer to install such an approved back flow prevention device at each service connection to his premises. The customer shall, within 30 days, install such approved device or devices at his own expense and failure, refusal or inability on the part of the customer to install said device or devices, within 30 days, shall constitute a ground for disconnecting water service to the premises until such device or devices have been properly installed.

In the event that an extension of time is required to plan and install the devices, the customer shall request in writing, an extension. The Director may decide to allow the extension of time.

SECTION II ..... DEFINITIONS

2.1 DIRECTOR – The Director, or his designated agent, is vested with the authority and responsibility for the implementation of an effective cross connection control program and for the enforcement of the provisions of this ordinance.

2.2 APPROVED – Accepted by the Director as meeting an applicable specification stated or cited in this regulation, or as suitable for the proposed use.

2.3 AUXILIARY WATER SUPPLY – Any water supply on or available to the premises other than the purveyor's approved public potable water supply.

2.4 BACKFLOW – The flow of water or other liquids, mixtures or substances under pressure into the distributing pipes of a potable water supply system from any source or sources other than its intended source.

2.5 BACK-SIPHONAGE – The flow of water or other liquids, mixtures or substances into the distributing pipes of a potable water supply system from any source or sources other than its intended source caused by the sudden reduction of pressure in the potable water supply system.

2.6 BACKFLOW PREVENTER – A device or means designed to prevent backflow or siphonage.

2.6.1 Air-Gap – The unobstructed vertical distance through the free atmosphere between the lowest opening from any pipe or faucet supplying water to a tank, plumbing fixture, or other device and the flood rim of said vessel. An approved air-gap shall be required by Water Department standards.

2.6.2 Reduced Pressure Principle Device – An assembly of two independently operating approved check valves with an automatically operating differential relief valve between the two check valves on either side of the check valves, plus properly located test cocks for the testing of the check and relief valves.

2.6.3 Double Check Valve Assembly – An assembly of two independently operating approved check valves with tightly closing shut-off valves on each side of the check valves, plus properly located test cocks for the testing of each check valve.

2.6.4 Pressure Vacuum Breaker – A device containing one or two independently operating loaded air inlet valve(s) located on the discharge side of the check of checks.

2.7 CONTAMINATION – Means an impairment of the quality of the potable water or sewage, industrial fluids or waste liquids, compounds or other materials to a degree which creates an actual hazard to the public health through poisoning or through the spread of disease.

2.8 CROSS CONNECTION – Any physical connection or arrangement of piping or fixtures between two otherwise separate piping systems one of which contains potable water and other non-potable water or industrial fluids of questionable safety, through which, or because of which, backflow or back-siphonage may occur into the potable water system.

2.9 CROSS CONNECTION – CONTROLLED – A connection between a potable water system and a non-potable water system with an approved back flow prevention device properly installed that will continuously afford the protection commensurate with the degree of hazard.

2.10 CROSS CONNECTION CONTROL BY CONTAINMENT – The installation of any approved backflow prevention device at the water service connection to any customer's premises or the installation of an approved backflow prevention device on the service line leading to and supplying a portion of a customer's water system where there are actual or potential cross connections which cannot be effectively eliminated or controlled at the point of cross connection.

2.11 HAZARD, DEGREE OF – The term is derived from an evaluation of the potential risk to public health and the adverse effect of the hazard upon the potable water system.

2.11.1 Hazard – Health (High Hazard) – Any conditions, device, or practice in the water supply system and its operation which could create, or, in the judgement of the Director, may create a danger to the health and well being of the water consumer.

2.11.2 Hazard – Plumbing (High Hazard) – A plumbing type cross connection in a consumer's potable water system that has not been properly protected by a vacuum breaker, air-gap separation or backflow prevention device. Unprotected plumbing type cross connections are considered to be a health hazard.

2.11.3 Hazard – Pollutional (Low Hazard) – An actual or potential threat to the physical properties of the water system or to the potability of the public or the consumer's potable water system but, which would constitute a nuisance or be aesthetically objectionable or could cause damage to the system or its appurtenances, but, would not be dangerous to health.

2.12 INDUSTRIAL FLUIDS SYSTEM – Any Any system containing a fluid or solution which may be chemically, biologically, or otherwise contaminated or polluted in a form or concentration such as would constitute a health, system, or pollutional or plumbing hazard if introduced into an approved water supply.

2.13 NON-COMPLIANCE – Refers to any property or facility failing to meet regulatory requirements. This includes, but is not limited to, the absence of an approved backflow prevention device where required, improper installation, failure to conduct or submit required testing and maintenance, or failure of a backflow prevention device to operate as intended.

2.14 POLLUTION – Means the presence of any foreign substance (organic, inorganic, or biological) in water which tends to degrade its quality so as to constitute a hazard to impair the usefulness or quality of the water to a degree which does not create an actual hazard to the public health but which does adversely and unreasonably affect such waters for domestic use.

2.15 WATER – POTABLE – Water from a source, which has been approved by the Mass. Water Supply and Pollution Control Commission for human consumption.

2.16 NON-POTABLE – Water, which is not safe, for human consumption or which is of questionable potability.

2.17 WATER SERVICE CONNECTION – The terminal end of a service connection from the public potable water system, i.e.: Where the water purveyor loses jurisdiction and sanitary control over the water at its point of delivery to the customer's water system. If a meter is installed at the end of the service connection, then the service connection shall mean the down stream end of the meter. Service connection shall also include water service connection from a fire hydrant and all temporary or emergency water service connections from the public potable water system.

2.18 WATER-USED – Any water supplied by a water purveyor from a public potable water system to a consumer's water system after it has passed through the point of delivery and is no longer under the sanitary control of the water purveyor.

SECTION III ..... REQUIREMENTS

3.1 WATER SYSTEM

3.1.1 The water system shall be considered as made up of two parts: The utility system and customer system.

3.1.2 Utility system shall consist of the source facilities and the distribution system; and shall include all those facilities of the water system under the complete control of the utility, up to the point where the customer's system begins.

3.1.3 The source shall include all components of the facilities utilized in the production, treatment, storage and delivery of water to the distribution system.

3.1.4 The distribution system shall include the network of conduits used for the delivery of water from the source to the customer's system.

3.1.5 The customer's system shall include those parts of the facilities beyond which are utilized in conveying utility delivered domestic water to points of use.

3.2 POLICY

3.2.1 No water service connection to any premises shall be installed or maintained by the Town of Hudson Department of Public Works unless the water supply is protected as required by Massachusetts State law and this regulation. Service of water to any premises shall be discontinued by the Director if a backflow prevention device required by this regulation is not installed, tested and maintained, or if it is found that a back flow prevention device has been removed, by-passed, or if an unprotected cross connection exists on the premises. Service will not be restored until such conditions of defects are corrected.

3.2.2 The customer's system should be opened for inspection at all reasonable times to authorized representatives of the Water Department to determine whether cross connections or other structural or sanitary hazards, including violations of this regulation exist. When such a condition becomes known, the Director shall deny or immediately discontinue service to the premises by providing for a physical break in the service line until the customer has corrected the condition(s) in conformance with all State statutes and Town by-laws relating to plumbing water supplies and the regulations adopted pursuant thereto. All expenses relating to the disconnection and reconnection shall be at the customer's expense.

3.2.3 An approved backflow prevention device where required shall be installed on each service line to a customer's water system at or near the property line or immediately inside the building being served; but, in all cases, before the first branch line leading off their service line wherever the following conditions exist.

3.2.3a In the case of premises having an auxiliary water supply which is not or may not be safe bacteriological or chemical quality and which is not acceptable as an additional source by the Town of Hudson water supply, the public water system shall be protected against backflow from the premises by installing a backflow prevention device in the service line appropriate to the degree of hazard.

3.2.3b In the case of premises on which any industrial fluids or any other objectionable substance is handled in such a fashion as to create an actual or potential hazard to the public water system, the public water system shall be protected against backflow from the premises by installing a backflow prevention device in the service line appropriate to the hazard.

3.2.3c In the case of premises having (1) internal cross connection that cannot be permanently corrected and controlled, or (2) intricate plumbing and piping arrangements or where entry to all portions of the premises is not readily accessible for inspection purposes, making it impracticable or impossible to ascertain whether or not dangerous cross connections exist, the public water system shall be protected against backflow from the premises by installing a backflow prevention device in the service line.

3.2.4 The type of protective device required under subsection 3.2.3a, b and c shall depend upon the degree of hazard which exists as follows:

3.2.4a In the case of any premises where there is an auxiliary water supply as stated in subsection 3.2.3a of this section; or

3.2.4b Where there is any material dangerous to health which is handled in a fashion as to create an actual or potential hazard to the public water system; or

3.2.4c Where there are "uncontrolled" cross connections, either actual or potential, the public water system shall be protected by an approved air-gap separation or an approved reduced pressure principal backflow prevention device at the service connector.

3.2.4d In the case of any premises where there is water or substance that would be objectionable but not hazardous to health, if introduced into the public water system, an approved double check valve assembly shall protect the public water system.

3.2.4e In the case of any premises where, because of security requirements or other prohibitions or restrictions it is impossible or impractical to make a complete implant cross connection survey, the public water system shall be protected against backflow or back siphonage from the premises by the installation of a backflow prevention device in the service line. In this case, maximum protection will be required; that is, an approved air-gap separation or an approved reduced pressure principal backflow prevention device shall be installed in each service to the premises.

3.2.5 Any backflow prevention device required herein shall be of a model and size approved by the Department of Public Works. The term "approved backflow prevention" shall mean a device that is on the D.E.P. "approved list of backflow preventers and double check valves". The Department of Public Works has adopted said approval lists.

3.2.6 Complete and submit, to the Department of Public Works, an application for each device to be installed. Include a drawing with each application that clearly details the backflow device installation. This schematic shall be drawn by a licensed plumber (or licensed sprinkler fitter) of your choice.

3.2.7 It shall be the duty of the customer/user at any premise where backflow prevention devices are installed to have certified inspections and operational test made at least once per year as required under Mass. Regulations and this regulation. The Department of Public Works will conduct testing on these devices as required. The owner of these devices will be charged for these tests. The Department of Public Works may have these tests performed by a designated representative. In those instances where the Director deems the hazard to be great enough he may require certified inspections at more frequent intervals. These inspections and tests shall be at the expense of the water user and shall be performed by Department of Public Works personnel or by a certified tester approved by the Department of Public Works and the State of Massachusetts. It shall be the duty of the Department of Public Works shall notify the customer/user in advance when the test are to be undertaken so that he or his representative may witness the test if so desired. These devices shall be repaired, overhauled or replaced at the expense of the customer/user whenever said devices are found to be defective. The Department of Public Works shall keep records of such tests.

3.2.7a RPBP devices (other than irrigation) must be tested semi-annually.

3.2.7b DCVA devices must be tested annually.

3.2.7c RPBP/PVB devices installed on irrigation must be tested annually at system activation.

3.2.8 All presently installed backflow prevention devices which do not meet the requirements of this section, but, were approved devices for the purposes described herein at the time of installation and which have been properly maintained, shall, except for the inspection and maintenance requirements under subsection 3.2.6, be excluded from the requirements of these rules so long as the Director is assured that they will satisfactorily protect the utility system. Whenever the existing maintenance or when the Department of Public Works finds that the frequency of maintenance constitutes a hazard to the public health, the unit shall be replaced by a backflow prevention device meeting the requirements of this section.

SECTION IV.....NOTIFICATION & VIOLATIONS

4.1 Initial Notice of Backflow Prevention Assembly Testing Due

This notice is sent via either US mail or email to the customer contact(s) on file, for each property or facility required, approximately 45 calendar days prior to the due date for backflow prevention assembly testing. It is required that testing be scheduled and conducted by the Department of Public Works before the due date. The property owner or contact will be notified of any device which fails a test at this time. This will be the 1st notice of non-compliance of a failed device which must be repaired within 14 business days.

4.2 1st Notice of Non-Compliance (Overdue Testing)

This notice is sent via either US mail or email to the customer contact(s) on file, for each property or facility, which has not completed backflow prevention assembly testing as required under subsection 3.2.7. This notice allows 30 business days to schedule and conduct a device test with the Department of Public Works or to provide documentation of a passing test from a certified tester approved by the Department of Public Works and the State of Massachusetts.

4.3 2nd Notice of Non-Compliance

This notice is sent both by certified US mail and email to the customer contact(s) on file, for each property or facility, which has not scheduled a device test with the Department of Public Works or completed the necessary device repairs and provided documentation of corrections within the allotted timeframe. This notice allows 14 business days, from the date of notice, to bring identified violations into compliance.

4.4 3rd Notice of Non-Compliance

This notice is sent both by certified US mail and email to the customer contact(s) on file, for each property or facility, which has not scheduled a device test with the Department of Public Works or completed the necessary device repairs and provided documentation of corrections within the allotted timeframe. This notice allows 14 business days, from the date of notice, to bring identified violations into compliance. If, after 14 business days, violations are not brought into compliance, the Department of Public Works, on behalf of the Selectboard, has the right to assess penalties that will include fines and may also include discontinuation of water service. Fines will be assessed according to the schedule of fees below:

Residential	**$50.00**	**per month, per device**
Commercial/Industrial	**$100.00**	**per month, per device**

If after 6 months of fines being issued and the property is still in non-compliance The Department of Public Works will terminate water service to the property.

SECTION V

All testing and/or maintenance performed on backflow devices by the Town of Hudson or its agent will be charged to the owner of the device.

5.1 No backflow device may be removed without the written consent of the Town of Hudson.

5.2 All plumbing modifications must be approved by the Hudson Plumbing Inspector and follow the rules and regulations of the Massachusetts Plumbing Code.

5.3 The Town of Hudson Public Works Director or his designated representative will make all decisions relating to determination of backflow. Failure to comply with any directive from this office will result in termination of service.

5.4 All administrative cost associated with the operation of the Hudson backflow program will be supported by a fee for submittals on survey results, plan approvals, testing results and permitting of testable devices. The Town of Hudson reserves the right to set all fees required for the implementation and operation of a successful backflow program.

5.5 All commercial, industrial, and institutional customers using water from the Hudson water system must have installed at the point of connection (immediately downstream of the meter if existing) a state approved reduced pressure backflow device.

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APPENDIX B .....SCHEDULE OF FEES

WATER USE
Billed Quarterly per 100 cubic feet

Rates effective 5/15/25

A minimum water bill is based on 400 cu ft

0-1,400 cu ft at a rate of	$8.53 / 100 CF
1,400-2,800 cu ft at a rate of	$9.73 / 100 CF
2,800-5,000 cu ft at a rate of	$9.89 / 100 CF
5,000-15,000 cu ft at a rate of	$10.06 / 100 CF
15,000 cu ft & above at a rate of	$10.24 / 100 CF

CROSS CONNECTION PROGRAM FEES AND CHARGES

Backflow Device Test	$75.00 / ea.
Commercial, Industrial & Residential devices	
Failed Device Retest	$25.00 / ea.
Residential Irrigation Test	$25.00 / ea.
Cross Connection Survey	$25.00

CROSS CONNECTION PROGRAM NON COMPLIANT FINES

Residential	$50.00	per month / per device
Commercial	$100.00	per month / per device

FIRE SERVICE FEES

Annual charge will be assessed at $25.00 per inch of pipe diameter for any pipe 4" or greater

HYDRANT FEES

Annual charge for on-site hydrants will be assessed at $150.00 per hydrant

REPLACEMENT METERS
(If frozen, missing or damaged)

5/8"	$178.50
3/4"	$255.02
1"	$322.49
1-1/2"	$779.97
2"	$951.71

REPLACEMENT EXTERIOR REMOTES
(If damaged or missing)

$150.00

OTHER FEES

Meter Testing Fee	$25.00
Water turn on/off fee	$50.00
Fire flow / pump test	$250.00
Final reading fee	$25.00

$100 final fee if less than 72 hours (3 business days) prior to closing date

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SERVICE CONNECTION ENTRANCE FEES

Residential

Single Residence/Condominiums	$2,500.00
Duplexes (if two water meters approved)	$2,500.00 / unit
Multiple Dwellings (more than two units)	$2500.00 plus $1500.00 per unit

Non-Residential/Commercial/Industrial

1"	$3,000	6"	$5,000
1-1/2"	$3,500	8"	$7,500
2"	$4,000	10"	$8,500
4"	$4,500	12"	$10,500

Secondary or Branch Mains

$3,000 per connection, plus the appropriate entry fee per service connection

FIRE SERVICE FEES

Entrance Fees

8" diameter or smaller	$2,000
Over 8" diameter	$3,000

Service Fees

Annual charge will be assessed at $25.00 per inch of pipe diameter for any pipe 4" or greater

Annual charge for on-site hydrants will be assessed at $150.00 per hydrant

HYDRANT METER
For Construction Use Only

$3,000 refundable deposit for town device

$125 monthly fee plus usage billed at $10.24 per 100 cu ft