

TOWN OF HANSON



WATER DEPARTMENT

RULES AND REGULATIONS

OCTOBER 2012

PURPOSE

The following water regulations are part of the contract with every consumer who takes water, and governs the relations between the Hanson Water Department (HWD) and its consumers and the contractors and developers who will install water systems. Also, the regulations serve to protect, preserve and maintain the public health, safety and welfare of the community.

The Department is managed and operated as a Public Water System within a framework of established national and regional standards, Massachusetts General Laws and Regulations, 310 CMR 22.00 DEP Code of Regulations, and the Department of Environmental Protection Guidelines and Policies for Drinking Water Systems.

These rules and regulations supersede all previous rules and regulations. The documents included in the appendix are for reference use and may be subject to change as necessary without modifications to the Rules and Regulations.

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SECTION 1 DEFINITIONS

Board: The Hanson Board of Water Commissioners.

Consumer: Any person, firm, corporation, the owner of property, or other organization of any type supplied with water by the Hanson Water Department.

Contractors and Developers: An individual firm or corporation who requires and installs water mains, water services and their appurtenances.

Cross Connection: Any actual or potential connection between a distribution pipe of potable water from a Public Water System and any wastepipe, soil pipe, sewer, drain, or other unapproved source.

Department: The Town of Hanson Water Department.

Main: A main shall mean the supply pipe laid in the street, from which service connections are made.

Service Connection: A pipe or tubing that runs from the water main to the building.

Superintendent: The Superintendent shall mean Superintendent of the Water Department or his/her designee.

Town: The Town of Hanson.

Additional Definitions: Additional definitions as applicable are adopted as set forth in Massachusetts Plumbing Code 248 CMR, in the Massachusetts Fire Prevention Regulations, or 527 CMR and in the Massachusetts Department of Environmental Protection Regulations 310 CMR 22 and the Departments Guidelines and Policies for Public Water Systems.

SECTION 2 GENERAL PROVISIONS

A. Contractual Agreement

Acceptance of service shall bind the consumer to the laws, rules, regulations and policies of the Hanson Water Department, the Town of Hanson and the Commonwealth of Massachusetts, and shall form part of the contract to which every consumer shall be adhered to and govern the relations between the Department and the consumer who is connected to the municipal water system and is bound hereby.

B. Application for Water Service

All applications for any new installations, alterations, replacements or changes to water service should be submitted in writing at the Water Department Office by the owner of the property or his/her authorized agent for approval by the Water Superintendent or his/her designee. A site plan showing the proposed service, main and or fire line along with details of the septic system and other utilities must be filed with the application. The application must be made upon the form furnished by the Department. All charges must be paid in full before final approval of the application.

C. Ownership Responsibilities and Liability

All pipes, valves and other appurtenances between the municipal water main and the curb stop up to the property line are the property and responsibility of the Department. All piping, valves, equipment and any other appurtenances downstream of the curb stop are the property and responsibility of the consumer although such items are required to meet the standards and specifications of the Department. An exception to the above is the water meter (up to one inch), which will always be the property of the Department.

D. Responsibility for Charges

Consumers of water shall be charged with and held responsible for all water passing through the water meter until such time as the Department is notified in writing that they no longer desire use of water. In case of the sale of the property, such notice would give the name and billing address of the new owner.

E. Availability of Municipal Water

Application will be accepted for review subject to there being an existing municipal water main in the street or right-of-way abutting the premises to be served, but approval of an application shall in no way obligate the Department to extend its mains to provide water to a premise.

F. Construction

The owner of property desiring construction, alterations or attachments associated with the water supply shall submit plans and specifications for the proposed work to the Superintendent for inspection and approval or disapproval and for a determination as to whether the same is permissible. The Superintendent shall determine the terms, charges and conditions under which the proposed use shall be permitted.

G. Access and Right of Entry

Owners or occupants of any premises served by the Hanson water system shall upon presentation by Department representatives of their credentials, including the Board of Water Commissioners, their Superintendent or other agents, authorize entry to the premises without a

warrant for the purpose of inspecting and surveying their water system for new installations, cross connections, leak detection or to remove, repair, read or replace any water meter at any time the Department deems necessary. When such access is refused, the Department shall then notify the property owner by certified mail of the time and date when the water will be turned off and it will not be turned on again until such access is allowed and fees have been paid for shutting off and turning on of the water.

H. Conditions under Which Service is Furnished

The Department does not guarantee constant pressure or uninterrupted service, nor does it assure the consumer either a full volume of water or the required pressure necessary to effectively operate hydraulic elevators, sprinkler systems or other appliances, the same being subject to all variable conditions that may occur in the water supply system of the Department.

I. No Liability for Interruption of Service

No consumer shall be entitled to damages, or to have any payment refunded, for any interruption of supply occasioned either by accident to any portion of the works, or by shutting off for the purpose of additions or repairs to the works, or by stoppage or shortage of supply due to causes beyond the control of the Department, such as excessive drought, excessive use of and waste of water by other consumers, or by leaks or defects in the pipes or appliances owned by him/her or other consumers.

J. No Liability for Discolored/Dirty Water

The Town will not be responsible for damages or staining of any fixture, appliance, clothes, etc. caused by discolored water resulting from the opening or closing of any gate valve, the use of any hydrant, or the breaking of any pipe, or any other situation that may result in a discoloration of the water.

K. No Liability for Consumers Pipes

The Town assumes no liability for conditions which exist with consumer's pipes and cause trouble coincident or following the repairs of any water main, service, meter or other appliances belonging to the Department. The Department shall not be held responsible for any damage to pipes or other property which may be attributed to electrical ground wires attached to the service.

L. No Liability for Damaged Appliances, etc.

The Department reserves the right at any time, without notice, to shut off the water and the mains for purposes of making repairs, extensions or for other necessary purposes. Persons having boilers or other appliances on the premises depending upon pressure in the pipes to keep them supplied with water are hereby CAUTIONED against danger from these sources, and are required to provide, at their own expenses, suitable safety appliances to protect themselves

against such danger. In any event, it is expressly stipulated that the Department will not be liable for any damage resulting from water having been cut off, either through accident or necessity.

M. No Liability for Shutting Off Water without Notice

When it becomes necessary to shut off the water from any section of the town because of an accident or for the purpose of making changes or repairs, the Department will endeavor to give timely notice to as many of the consumers affected thereby as time and character of the repairs or the accident will permit. The Department will, so far as practicable, use its best efforts to prevent inconvenience and damage arising from any such cause but failure to give such notice will not render the Department responsible or liable for any damages that may result from the shutting off of the water or any coincident conditions.

SECTION 3 CHARGES

A. Authority

The Board of Water Commissioners is empowered under Chapter 320, special acts of the legislature of 1916, and revised in 1992, to fix just and equitable charges and rates for use of water. These rates will be printed on every water bill; rates and charges are posted in the Department office and are included in the appendix of this document. These costs are subject to change by the Board of Water Commissioners.

B. Bills Payable

Bills for semi-annual water service are due and payable upon issuance of the bill. All water must be metered and paid for whether used or wasted. A basic charge shall be assessed for water service from the date the water is turned on.

C. Billing Cycle

Meters are customarily read semi-annually in the Spring and Fall with bills to follow. Bills must be paid at the Town Collector's Office at Town Hall. If not paid when due, a demand charge will be added to the bill. Any bills not paid in the current year become a lien on the property subject to interest charges in the same method of collection as unpaid real estate taxes.

D. Collection of Miscellaneous and Other Water Charges

All bills for labor or materials on consumer's property, charges for shutting off or the turning on of water, service calls and repairs, or other related charges shall be subject to the same conditions as bills for water.

SECTION 4 METERS

A. Meter Installation

Meters up to 1 inch in size and including a remote reader shall be supplied, installed and owned by the Hanson Water Department. All meters larger than 1 inch shall be purchased and maintained by the customer who will be required to obtain it from the Department's approved meter vendor. The meter shall be located in a clean, dry, warm and accessible location.

B. Consumers to Pay for Meter Repairs

All repairs for the damages to meters from freezing, hot water, or external causes shall be charged to the consumer.

C. Size of Meters Specified by Water Department

Appropriate meter size shall be determined by the Department. The meter size, type and location shall be approved by the Superintendent. All meters will be remote read style as required by the Department. Large meter procurement and installation is at the expense of the owner.

D. Meter Not To Be Removed

No meter should be changed, disconnected or in any way disturbed except by a Department employee or designee. Any meter seal found broken may be considered a violation of this rule. No part of the meter should be tampered with. Tampering is considered a serious offense. Fines, costs and penalties are provided under Chapter 165, Section 11 of the MA General Law.

E. Meter Location

All meters should be set, as nearly as possible, at the point of entry of the service pipe to the building. Approved valves shall be located near the inlet and outlet sides of the meter. In the case of multiple meters on one service line, a meter manifold must be approved by the Superintendent and shall be installed and maintained by the owner at his/her expense. If conditions warrant, the Superintendent can require the installation of a meter pit after the curb stop, the style of pit either an approved prefabricated style or when necessary built- in- place according to current standards. The Superintendent shall have the final discretion.

F. Meter Access

It shall be the duty of all consumers to see that meters on service connections be readily accessible at all times to Department representatives. Failure to provide access or remove any obstruction which prevents access to the meter within three days after notification by the Department will cause the water to be shut off to the premises and it shall not be turned on until all obstructions are removed, all regulations are complied with, and all related expenses are paid.

G. Testing Meter by Request

A consumer claiming an error or accuracy in meter registration may under Chapter 40 ,Section 39I of the MA General Laws, request in writing to have the meter removed and tested. The meter will be removed and forwarded to a private testing facility at the consumers' expense. The law provides for abatement in case of overcharges and for additional charges to the owner by the Department in case of under registration.

H. Large Meter Testing

The Superintendent can require that any large meter be tested for accuracy based on the schedule identified in AWWA Standard C700 and for complying with DEP Minimum Water Conservation Standards. Testing expense will be the responsibility of the owner. Any repair or replacement costs are the responsibility of the owner.

I. Estimating

If, for any reason, a meter fails to record the amount of water used or the staff is unable to gain access to obtain a proper reading, the quantity shall be estimated by the Department. The Department shall make reasonable reference to the quantity used in previous billing periods. All water passed through a meter will be charged accordingly whether used or wasted.

SECTION 5 SERVICE PIPES AND FIXTURES

A. Conference with Water Department

Prior to commencing installation of water service, the consumer or developer will meet with the Water Department to review and ensure an understanding of and compliance with these rules, regulations and specifications and installation requirements. The Superintendent shall determine the service size and requirements based on the information presented.

B. Service Pipes

Service pipes/tubing and connections shall be of a size (minimum 1 inch), specific type of material, and installed in accordance with installation specifications provided by the Department. Domestic services and fire services must be of separate pipes and connections from the established water main in the roadway into the serviced structure. The Department or its designee shall install that part of the service from the water main to the property line, a suitable valve inside the building and a remote reading water meter. At the time of application, a required systems development charge and tapping installation charge must be paid. The Superintendent can require that the entire installation be completed by an approved contractor. If the approved contractor installs the service from the main, the tapping installation charge is waived and only the system development charge will be paid.

C. Protection

Consumers must keep their water pipes and fixtures in good repair and protected from frost or freezing at their own expense. They shall be held responsible for any damage resulting from their failure to do so. Also, they shall prevent any waste of water.

D. One Service to Each Premise

Multifamily/condominiums, commercial or industrial buildings with separate units and townhouses with a single service must have separate meters for each unit, except for duplexes which require separate services and meters for each dwelling unit. System development charges will be assessed each unit. The Superintendent must approve any deviations.

E. Service Pipe Trenches

Service pipes shall not be placed within 10 feet of any of the utility, except under special conditions and only with the approval of the Superintendent. Joint use of pipes or trenches for other utilities and or structures will not be allowed under any circumstances.

F. Repairs on Private Property

All service repairs after the curb stop are the responsibility of the owner including all costs. If the Department supplies materials under emergency conditions, the customer will be billed accordingly.

G. Requests for Turning On and Shutting off Water

All requests for turning on or shutting off water service shall be made 24 hours in advance, except in the case of an emergency. Customer shall be charged for each service request. Request for turning on or shutting off water, other than at normal working hours, shall be billed at the overtime rate. Only department staff shall open or close curb stops, unauthorized use is subject to penalties or assessments for repairs, damages and supervision.

H. Winter Installations

No new services or mains can be installed between December 1 and March 30 without permission from the Water Superintendent and Highway Department.

I. Flow Tests/Fire System Testing

All such testing must be approved by the Superintendent. All testing must be conducted during the hours specified by the Superintendent and under the supervision of the Department with all related costs being assessed in accordance with our charge for services schedule.

J. Standby Fire Sprinkler Systems

The Department may furnish standby fire protection in accordance with the rates and charges identified in our schedule of rates and charges. Such connections or pipes will not be used for domestic service or other supply purposes. All installations of 2" or less shall be subject to our Service Installation Specifications and all other sizes shall be installed subject to our Water Main Installation Specifications. All Cross Connection Regulations (310 CMR 22.22) related to Fire Protection must be complied with.

K. Use of Fire Hydrants

Use of fire hydrants, private or town, is restricted to members of the Fire Department and/or mutual aid assistance support staff and the employees of this Department. All hydrant use, except for Fire Department and Water Department purposes shall be metered and fitted with an approved backflow prevention device. Any deviation to this rule must be approved by the Superintendent. All applicable charges related to labor, hardware and water consumption shall be assessed according to our schedule of charges. Any or all damages including costs will be the responsibility of the party using the hydrant connection.

No person shall place about or on any hydrant or gate box connected with the water system any object, material, debris or structure of any kind so as to prevent access at all times.

L. Cross Connections/Backflow Prevention

The following requirements are based on the Departments Cross Connection Control Program and mandatory compliance with DEP's currently amended Drinking Water Regulations 310 CMR 22.22 and other regulatory procedures. If, in the opinion of the Superintendent, the installation of approved backflow preventer(s) on the property side of the meter is necessary for the safety of the public water system, such approved device(s) shall be immediately installed by and at the expense of the consumer after due notice in writing by the Department.

Such devices shall be installed and tested in accordance with the Drinking Water Regulations of Massachusetts as identified above. All surveys and tests conducted by this Department shall be at an assessed cost to the owner according to the schedule of charges. Failure to install and or properly maintain a required backflow preventer may result in the water being turned off until compliance requirements are met and all related expenses are paid.

SECTION 6 WATER MAINS AND APPURTENANCES

A. Need for Water Mains

If the development of a subdivision or other division of land is within 500' of the distribution system, the developer or owner will be required to serve and supply the development with

Town water. All installations shall require an application to be completed by the developer or owner and submitted to the Department for review and approval; a proper engineered site or construction plan shall be attached. All costs for application development, submittal and review are the expense of the developer or owner.

B. Conference with Water Department

Prior to commencing installation of water mains and or appurtenances, the owner or developer will meet with the Water Department to review and ensure an understanding of and compliance with these rules, regulations, specifications and installation requirements. Payment of all required charges, including subdivision/private development charges and systems development charges and other expenses established by the Board of Water Commissioners, shall be made, unless otherwise approved by the Superintendent. The Department must approve the Contractor who will be providing the installation.

C. Inspections

An inspector approved by the Department is required to be present during the installation and multiple testing procedures. The contractor is responsible for the inspectors' expense and all of the testing procedures and must provide a set of record drawings before the Department approves putting the new mains into service.

D. Pipe Size

All water mains shall be sized by the Department or as calculated by its consultant including the number of hydrants, valves and any other hardware. The minimum water main pipe size is 8 (eight) inch and hydrant laterals are 6 (six) inches. The owner or developer shall provide expected domestic and fire flow demands. The owner or developer shall be responsible for the costs for any system upgrades required to meet the expected demands of the new development.

E. Hydrants

Normal hydrant spacing is 500 feet in residential area and can be as low as 250 feet in commercial, industrial or business areas. No hydrant shall be located where current or future obstruction and or access may occur. The Fire Chief and Water Superintendent have the final determination in the spacing and location of hydrants. All hydrants require isolation valves.

F. Valves

Main line valves are required at a minimum to be placed every 1,000 feet of pipe line. All intersections shall be multi-valved for isolation either 3 way (T-intersection) or 4 way (Cross-intersection). The Superintendent has the discretion with new construction on existing lines to require the use of a tapping sleeve, insertion valve or cut-out with 3 valves and hardware.

G. Survey/Line and Grade

All new proposed roads, streets etc. shall require survey markings to ensure that pipes are laid within the roadways and that hydrants are located within the layout and off of property lines.

H. Excavation Within the Public Way

Road cuts and or excavations shall require the necessary permits from the Highway Department prior to entering the roadway. Entering the State Highway will require a permit from the MA DOT.

I. Water Pipes on Private Roads and Property

The Water Department is not responsible for water services, water mains, valves, hydrants and services on private property and or private roadways. It is the sole responsibility of the owner and or residents to maintain and repair all of the materials identified above. The Department will operate any blow off or hydrant to maintain water quality in the private areas.

J. Looped Mains

All water mains require looping unless otherwise determined by the Water Superintendent.

SECTION 7 VIOLATIONS / PENALTIES / RESTRICTIONS / OTHER

A. Violations of Regulations

Any violations of these rules and regulations may result in the discontinuance of service as an option of the Board and or by the discretion of the Superintendent and any other infraction as provided by law. Penalties may be assessed.

B. Penalties

Various infractions that identify potential penalties are identified throughout the sections of rules and regulations contained within this document.

NO TAMPERING, all infrastructures (curb stops, meters, valves, hydrants, storage tanks, pump stations etc.) are assets of the municipal water system and are the sole property of the Hanson Water Department. Any tampering is an offense and subject to penalties under MGL Chapter 165.

See charge schedules for potential associated penalties or assessments.

C. Restrictions

The Water Department reserves the authority to restrict the use of water for any reason which might jeopardize the quantity or quality of supply. The water may be shut off at the curb stop if a customer fails or refuses to comply with such restrictions. (MGL Chapter 40, Sec 41).

The filling of swimming pools by use of a fire hydrant is strictly prohibited.

D. Other

Any contractor who does work in the Town of Hanson agrees to indemnify, defend and hold harmless the Town of Hanson Water Department and its Board of Water Commissioners, their officials and agents from any and all claims that may arise from work performed or related.

The Town of Hanson shall be listed as an additional named insured on all insurance policies and or bonds.

The Town of Hanson Water Department may enter upon any land within said Town for the purpose of making surveys, test pits, borings and may take, or otherwise acquire the right to occupy temporarily any lands necessary for the construction of any work or other purpose. (Chapter 320; Special Acts of 1992 Section 6A)

The Board of Water Commissioners reserve the authority to change these rules and regulations and to make additional rules and regulations as may, from time to time, be deemed necessary.

SECTION 8 RATES AND CHARGES

A. Authority

The Board of Water Commissioners is empowered under Chapter 320, Special Acts of the Legislature of 1916, and revised in 1992, to fix just and equitable charges and rates for use of water. These rates will be printed on every water bill; all rates and charges are posted at the Department office and are included in the appendix of this document.

B. Applicability

The Board of Water Commissioners and Superintendent shall determine which development charges will be applied to all new or modified construction projects. Customarily a subdivision/private development (impact) charge is associated with new main extensions into a subdivision or commercial (retail, industrial or other use) development. A fire sprinkler development charge is associated with a separate dedicated line (usually a main) for standby fire protection. A system development charge (buy-in) is associated with a new service line connection. The installed tap fee is basically an installation charge when the Department installs service from the main to the curb. As a point of information, subdivision or private

development is charged when the activity is an extension into a new development and will also include the expense associated with system development charges. In this case the developer or contractor provides the tapping and installation so a tapping charge is not required.

C. Modifications


Rates and charges are subject to review and change by the Board of Water Commissioners.

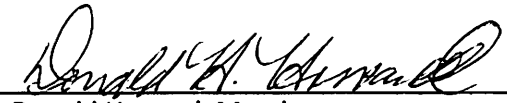
The foregoing Hanson Water Department Rules and Regulations were unanimously adopted at the regular Board of Water Commissioners Meeting held on 9/27/12

Hanson Board of Water Commissioners


Joseph Duffy, Chair

Mary Lou Sutter, Vice Chair


Mike Chernicki, Clerk


Donald Howard, Member


Andrew Sargent, Member

APPENDIX A

HANSON WATER DEPARTMENT

DOMESTIC WATER SERVICE INSTALLATION SPECIFICATIONS

1. Service materials shall be subject to the most current edition of AWWA Standards for underground service lines and the most recently approved by the Department.
2. Services shall consist of PE (CTS) tubing; 200 (two hundred) PSI, corporation stop at the main, curb-stop and box at the property line, inside valve and meter inside the premises. Depending on existing conditions, the Superintendent may require the use of a saddle.
3. All service pipe shall be PE (CTS) unless otherwise directed by the Superintendent. Tubing shall be of a continuous run with no joints. The Superintendent shall determine the size for the service line. The installation shall be in accordance with the Polyethylene Water Service Pipe and Tubing Installation Guide published by the Plastic Pipe and Fittings Association.
4. All currently approved brass fittings shall be compression style and meet the most current no/low lead requirements for brass fittings with wetted surfaces. All connections between fittings and tubing shall be installed with stainless steel stiffeners.
5. If the Department makes the service connection, an installation charge will apply.
6. Tapping or direct drilling with saddle shall be located at approximately 2 (two) or 10 (ten) o'clock positions, unless otherwise directed by the Superintendent.
7. Service tubing should be placed so that it remains with a minimum of 5 (five) feet of cover at finished grade. The tubing shall have a 12 gauge tracer wire that is approved for underground tracer wire placed as a continuous run from the corporation to the curb-stop.
8. The curb stop shall be located at the property line, an approved curb box shall be set plum, centered over the curb stop, rod installed if so directed and set flush with the finished ground surface. If so directed by the Superintendent, an 8 (eight) foot 2x4 lumber marker colored utility blue, shall be placed aside of the curb box prior to backfill.
9. The line shall be flushed to remove sediment and to check for leaks. The Superintendent has the discretion to require disinfection of the service under certain conditions.
10. No pipe, tubing or fittings shall be backfilled until inspected by an authorized agent of the Department. Any visible leakage will be unacceptable.

11. A minimum of 2 (two) feet of sand or other approved backfill material shall be placed over the main, fittings and service line.
12. The trench shall be backfilled with appropriate materials, no large stones or boulders are permitted in the trench. Road surface must be returned to existing condition.
13. Water line marking tape must be placed between 12 (twelve) and 18(eighteen) inches below the final finish grade.
14. A service drawing identifying the installation is required to be submitted to the Superintendent before the service can be activated. The drawing shall include appropriate ties.
15. All damages of whatever nature including existing underground structures resulting from work, or resulting to the work from whatever cause shall be borne, sustained and repaired by the contractor at his/her expense.
16. The contractor shall guarantee all materials and workmanship for a period of one year.
17. The service application must be signed and all charges including system development and service installation, if required, must be paid before any work can commence. The application is good for 180 days, any delays beyond that time and the application will need to be updated and a review of assessments made.

APPENDIX B

HANSON WATER DEPARTMENT

WATER MAIN INSTALLATION SPECIFICATIONS

1. All pipe, valves, hydrants and fittings shall subject to the most current editions of AWWA Standards for water works materials and the most recently approved by the Department. Materials shall be manufactured in the United States.
2. All water main pipe shall be ductile iron Class 52, cement lined with push-on style joints, lengths not to exceed 20 (twenty) feet.
3. All materials shall be installed to the manufacturers' specifications and industry standards. No pipes or appurtenances shall be backfilled before being witnessed and inspected by an authorized agent of the Department.
4. Pipe should be covered by hand with a minimum of 12 (twelve) inches of sand or stone free gravel and be compacted by tamping around pipe to provide proper support. The remaining trench backfill shall be suitable with no large stones or other objectionable material. Road surface must be returned to existing condition. Unusual situations may require a crushed stone base covered with sand to provide proper support and alignment and suitable backfill material hauled in.
5. All fittings shall be ductile iron with mechanical joints. Standard pipe couplings are not acceptable. All mechanical joints shall be fitted with Mega lug style joint restraints.
6. All valves shall be Mueller resilient-seated gate valves, mechanical joint with a 2 (two) inch operating nut and shall open left (counter-clockwise).
7. Tapping sleeve and valve shall be Mueller resilient-seated gate valves, mechanical joint with a 2 (two) inch operating nut and shall open left (counter clock-wise).
8. Valves over 12 (twelve) inches shall be Mueller butterfly valves, mechanical joint with a 2 (two) inch operating nut and shall open left (counter clock-wise).
9. Gate valve boxes shall be 2 piece sliding style Buffalo with the cover identified as WATER, shall be set plum and flush with finished grade.

10. All hydrants shall be Mueller Super Centurion, 5 ¼ (five and one quarter) inch main valve, 5 (five) foot bury, 6 (six) inch shoe, traffic model (breakaway style), 2- 2 ½ outlet nozzles, 1- 4 ½ steamer connection, pentagon operating nut with open left (counter clock-wise) direction, and National Standard threads. Colors shall be yellow base, with red bonnet and caps.

Hydrants shall be set plum with a pie (concrete pad) under the shoe, concrete or block as blocking to serve as a thrust block against a minimum of 2 (two) square feet undisturbed earth.

All joints shall be mechanically restrained. A minimum of 2 feet of clean stone shall be placed around the drain mechanism. Hydrant placement should be placed within 1 (one) foot of the property line and the steamer shall face the roadway. Backfill to the proper bury line.

11. All ledge shall be removed to a width of 2 (two) feet greater than the diameter of the pipe and 1 (one) foot below the underside of the pipe. A bed of sand shall be placed in the trench prior to laying pipe.
12. If blasting is required, it shall be discussed with the Superintendent and or Engineer and the decision will be based on individual bases.
13. The pipe and appurtenances shall be pressure tested and chlorinated according to the most current AWWA Standards. The above procedures must be witnessed by an authorized agent of the Department who shall sign all applicable documents and reports. The strength and leakage test shall be held at 200 PSI for a minimum of 2 (two) hours. Disinfection shall be a minimum of 50 (fifty) ppm with contact of a minimum of 24 (twenty-four) hours. All pressure test and disinfection reports shall consist of the actual pipe distance, size, number of valves and hydrants. Samples shall be taken and delivered to an approved testing laboratory. The Superintendent shall direct the number of samples and the actual locations for collection and shall identify who is responsible for the procedure. The Superintendent has the discretion to determine the test results and to order repeat or additional procedures if necessary.
14. An as-built is required to be submitted to the Superintendent prior to placing the main into service.
15. All damages of whatever nature including existing underground structures resulting from work, or resulting to the work from whatever cause shall be borne, sustained and repaired by the contractor at his/her expense.
16. The contractor shall guarantee all materials and workmanship for a period of one year.

17. The application must be signed and all charges including system development and service installation if required must be paid before any work can commence. The application is good for 180 days, any delays beyond that time and the application will need to be updated and a review of assessments made.

APPENDIX C

HANSON WATER DEPARTMENT

WATER USAGE RATES AND SPRINKLER SYSTEM SERVICE CHARGES

Pursuant to Chapter 221 of the Acts of 1992, the following rates and fees shall be in effect September 26, 2012

WATER USAGE RATES

\$75.00 for the first 1,500 cubic feet of usage

\$3.75 per 100 cubic feet for 1,500 to 2,500 cubic feet of usage

\$4.50 per 100 cubic feet for 2,500 to 5,000 cubic feet of usage

\$5.90 per 100 cubic feet for usage over 5,000 cubic feet

Note: 100 cubic feet is equal to approximately 748 gallons

SEMI ANNUAL SPRINKLER SYSTEM SERVICE CHARGE

2" Fire Service = \$100.00

4" Fire Service = \$200.00

6" Fire Service = \$300.00

8" Fire Service = \$500.00

APPENDIX D

HANSON WATER DEPARTMENT

DEVELOPMENT AND INSTALLED TAP CHARGES

SUB-DIVISION DEVELOPMENT CHARGE

8" main = \$50,000 .00

10" main = \$70,000.00

12" main = \$90,000.00

Greater than 12" main to be set by the Hanson Board of Water Commissioners

Note: Sub-Divisions/developments responsible for all police details/inspector fees.

SYSTEMS DEVELOPMENT CHARGE

1" Water Service = \$3,443.00

1.5" Water Service = \$5,419.00

2" Water Service = \$10,687.00

3" Water Service = \$33,079.00

4" Water Service = \$66,009.00

FIRE SPRINKLER SYSTEMS DEVELOPMENT CHARGE

0 TO 15,000 square feet = \$9,000.00 per building

15,001 to 30,000 square feet = \$19,000.00 per building

30,001 to 45,000 square feet = \$29,000.00 per building

45,001 to 60,000 square feet = \$39,000.00 per building

60,001 to 75,000 square feet = \$49,000.00 per building

Greater than 75,001 square feet = To be set by the Board of Water Commissioners

WATER DEPARTMENT INSTALLED TAPS TO PROPERTY LINE

Main same side of street = \$1,500.00

Main opposite side of street = \$2,000.00

APPENDIX E

HANSON WATER DEPARTMENT

SCHEDULE OF MISCELLANEOUS CHARGES

1. Summer Service Rate (seasonal acct)	150.00	plus turn off/turn on
2. Final Reading/Transfer Request	50.00	48 hour notice required
3. Test meter at customers request	vendor cost	plus service call
4. Re-seal tampered meter	100.00	plus fine/assessment
5. Frozen meter replacement	225.00	during regular hours
6. Frozen meter replacement	295.00	outside of regular hours
7. Water meter purchase	vendor cost	plus service call
8. Non-payment service charges	125.00	during regular hours
9. Non-payment service charges	195.00	outside of regular hours
10. Routine service call	50.00	during regular hours
11. Routine service call	120.00	outside of regular hours
12. Turn on/off	50.00	during regular hours
13. Turn on/off	120.00	outside of regular hours
14. Install new inside valve	50.00	+ parts, during regular hours
15. Install new inside valve	120.00	+parts, outside regular hours

16. Inspections	50.00	during regular hours
17. Inspections	120.00	outside of regular hours
18. Fire flow test, observe & assist	160.00	during regular hours by appt
19. Fire flow test, observe & assist	240.00	os of regular hours by appt
20. Hydrant meter connection, daily	115.00	plus min 5.90 per 100 cu ft.
21. Temporary meter set and removal	115.00	plus min 5.90 per 100 cu ft.
22. Backflow/Cross Connection Surveys	75.00	up to 2 hours
23. Backflow/Cross Connection device tests tests	65.00 each	annual, semi-annual,+re-
24. Miscellaneous labor charges hours	50.00	per hour during regular
25. Miscellaneous labor charges	120.00	per min hours during OT
26. Miscellaneous parts	cost	plus 15%
27. Use of backhoe	100.00	per hour
28. Use of small skid steer loader	80.00	per hour
29. Use of light duty dump truck	65.00	per hour
30. Use of medium duty dump truck	75.00	per hour
31. Service Restoration Assessment	1,000.00	inactive for 2 years
32. Illegal curb act inspection	50.00	unauthorized turn on/off
33. Special violation/collection notice	10.00	special mailing / notification

34. Curb box lock rental	35.00	per event
35. Meter tampering assessment up to	1,000.00	triple damages up to 1,000.00
36. Unauthorized use of curb stop	250.00	1 st offense assessment
37. Unauthorized use of curb stop	500.00	2 nd offense assessment
38. Violation of Rules & Regulations up to	500.00	Subject to infractions
39. Tampering with system assets	500.00	minimum assessment

Regular hours 7:00 am to 3:30 pm Monday thru Friday, all others are outside of regular schedule.