NORTH CARVER WATER DISTRICT
RULES AND REGULATIONS

TOWN CLERK

Adopted July 27, 2010; revised November 29, 2012; revised November 8, 2016

2016 NOV 8 PM 3:21
CARVER MA

Table of Contents

North Carver Water District Rules and Regulations....2
ARTICLE I—Definitions....2
ARTICLE II—General Provisions....7
ARTICLE III—Charges....10
ARTICLE IV—Meters....13
ARTICLE V—Service, Pipes, and Fixtures....14
ARTICLE VI—North Carver Water District Cross-Connection Control Program....17
ARTICLE VII—Water Use Restrictions....23
ARTICLE VIII—Appeal Procedures....23

APPENDICES

Guidelines and Specifications....25
Licensed Contractor Requirements....28
Technical Specifications....29
Fee Schedule of Charges....35
Water Service Application....
Water Service Line Inspection Request....
Municipal Water Turn on/Turn off Request....
Emergency Contact List....

North Carver Water District Rules and Regulations

*Authority*

The Town of Carver's North Carver Water District was established under Chapter 124 of the Acts of 2008 by the Massachusetts legislature. Under Section 4(a) and 5(f) of the District's enabling legislation, the District Commissioners are granted the Authority to establish rules and regulations governing the use of the District water system.

*Office Hours*

Monday, Wednesday, and Thursday 8 AM-4 PM; Tuesday 8 AM-7 PM, and Friday 8 AM-12 noon (by appointment).

*Emergencies*

The District operates on a 24-hour emergency call basis. In case of an emergency at times other than the above listed office hours, a call may be made to the Carver Police Department at 508-866-2000. Any emergency calls will be relayed to the Water District for prompt attention.

*Meetings*

All meetings and any changes in scheduling of the Board of Water Commissioners shall be posted by the Town Clerk at Town Hall. Schedule, date, and location shall be included in the posting. Section 23A to 23C, inclusive of Chapter 39 of the General Laws shall apply to the meetings of the Commission and Section 10 of Chapter 66 shall apply to the Commission's documentary materials or data.

*Identification*

All Water District employees will carry photo identification. Do not allow anyone unknown to enter your premises on Water District business unless properly identified.

*Modifications*

The Commissioners may change and amend the rules and regulations at any duly noticed meeting of the Water Commissioners by majority vote.

*Consent*

The following rules, regulations and procedures are part of the contract with every person who takes water from the North Carver Water District, and govern the relations between the Water District and its consumers and the contractors/developers who install water systems. Every such person using the District water shall be considered as having expressed consent to be bound by the rules and regulations of the District. Non-users are bound by provisions contained herein regulating the use of equipment owned by the District.

**ARTICLE I—DEFINITIONS**

The definitions contained in Chapter 124 of the Acts of 2008 Section 1 and any other amendments to Chapter 124 of the Acts of 2008 are hereby adopted.

Air Gap: The method of preventing backflow through the use of an 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 level rim of the receptacle. The air gap separation shall be at least twice the internal diameter of the supply pipe discharge line by in no case less than one inch.

Applicant: shall mean any property owner or duly authorized owner's agent applying for water service or for a water main extension, alteration, replacement or relocation.

Apportionment Agreement: A written agreement signed and acknowledged by the owner of Benefitted Property that has been assessed a Privilege Fee, agreeing to pay the Privilege Fee over a term of years not longer than the term of years remaining for apportioned Betterment Assessments, with annual interest of five percent (5%) on the remaining balance.

Approved: Accepted by the Reviewing Authority as meeting an applicable specification stated or cited in this regulation, or as suitable for the proposed use.

Approved Backflow Prevention Device: A testable or non-testable cross connection control device that is approved by the MassDEP for use in Massachusetts.

Assessment Unit: A number that is equal to the design flow in gallons per day (gpd) based upon design flow attributed to different land uses and different types of establishments under 310 CMR 15.203 (2) through (6) of the Title 5.

Atmospheric Vacuum Breaker: A device which prevents backsiphonage by creating an atmospheric vent when there is either a negative pressure or subatmospheric pressure in a water system.

Automated Meter Reading Device: shall mean a device(s) used for reading a water meter without having to enter a premise.

Auxiliary Water Supply: Any water supply, on or available, to the premises other than the purveyor's approved public potable water supply.

Backflow: The flow of water or other liquids, mixtures or substances, under positive or reduced pressure in the distribution pipes of a potable water supply from any source other than its intended source.

Backflow Preventer: A device or means designed to prevent backflow or backsiphonage. Most commonly categorized as air gap, reduced pressure principle device, double check valve assembly, pressure vacuum breaker, atmospheric vacuum breaker, hose bib vacuum breaker, residential dual check, double check with intermediate atmospheric vent, and barometric loop.

Backpressure: A condition in which the owner's system pressure is greater than the supplier's system pressure.

Backsiphonage: The flow of water or other liquids, mixtures or substances into the distribution pipes of a potable water supply system from any source other than its intended source caused by the sudden reduction of pressure in the potable water supply system.

Barometric Loop: A fabricated piping arrangement rising at least thirty-five (35) feet at its topmost point above the highest fixture it supplies. It is utilized in water supply systems to protect against backsiphonage.

Benefited Property: A parcel of real property or contiguous parcels of real property under the same ownership within the District Service Area.

Betterment Assessment: The betterments assessed by order of the Commission on December 14, 2009, as reduced by abatement.

Boundaries: The boundaries of the North Carver Water District are on file with the Carver Town Clerk.

Building: shall mean any structure used for human occupancy, employment, recreation or other purposes.

Commission: The North Carver Water District Commission or, if the Commission shall terminate, the succeeding person, board, body or commission to whom the Commission's powers shall have been transferred by law.

Consumer or Customer: shall mean the individual, firm or corporation, or a duly authorized representative, whose name the Water District has on its books as the owner of record of the property who has applied for a water service or any individual, firm or corporation who, in fact, uses the water service of the North Carver Water District.

Containment: A method of backflow prevention which requires a reduced pressure backflow preventer or an air gap separation at the meter or property line.

Contaminant: A substance that will impair the quality of the water to a degree that it creates a serious health hazard to the public leading to poisoning or the spread of disease.

Cost per Assessment Unit: $35.003 as of November 29, 2012 increasing by five percent (5%) per year thereafter on the anniversary date of adoption of these Regulations.

Cross Connection Violation Form: A violation form designated by MassDEP, which is sent to the owner by the water supplier with copies sent to the plumbing inspectors and Board of Health delineating cross connection violations found on the owner's premises and a procedure for corrective action.

Cross Connection: shall mean any actual or potential connection between a distribution pipe of potable water supplied by the public water system and any waste pipe, soil pipe, sewer, drain or any source of contamination or pollution. Without limiting the generality of the foregoing, the term "cross connection" shall also include any bypass arrangement, jumper connection, removal section, swivel or changeover connection and any other temporary or permanent connection though which backflow can or may occur.

Double Check Valve Assembly: An assembly of two (2) independently operating spring loaded 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.

Double Check Valve with Intermediate Atmospheric Vent: A devise having two (2) spring loaded check valves separated by an atmospheric vent chamber.

Department: The Massachusetts Department of Environmental Protection (MassDEP).

Design Data Sheet: A report form submitted to the supplier of water along with plans for each installation of a reduced pressure backflow preventer or double check valve assembly, or for each change to any such device already installed, describing and showing the details of the specific installation.

District: The North Carver Water District.

District Appointee: Shall mean the person appointed by the North Carver Water Commission to serve as District or to the person designated by the Commission to act in the capacity of the District.

District Service Area: The parcels of land which receive or are proposed to receive water service from the Water Project. Said land being more fully described as the "District Service Area" in Section 1 of Chapter 124 of the Acts of 2008 and on the map for the District Service Area on file with the Carver Town Clerk's office. Additional parcels may be added at the sole discretion of the Commission.

Fire Protection/Suppression System Supply Line: Shall mean the private water piping, control valve and appurtenances installed solely to furnish water for extinguishing fires. (Also referred to as a Fire Pipe in these Regulations).

Health Hazard: An actual or potential threat of contamination to the potable water in a public water system, which, in the opinion of the supplier of water would endanger health.

Hose Bibb Vacuum Breaker: A device which is permanently attached to a hose bibb and which acts as an atmospheric vacuum breaker.

Increased Flow Approval: Approval by the Commission upon review of a building permit or occupancy permit application to the Town of Carver Building Inspector, which approval allows continued use of an existing connection to the Water Distribution System for a particular number of gallons of Title 5 design flow to a Benefited Property upon which buildings or structures are to be constructed, expanded or reconstructed or changed in use for a different use of an expanded use or a more intense use than the use or intensity of use upon which the Betterment Assessment was based, or increased flow to a Benefited Property which was not liable to assessment of a Betterment Assessment or not in fact assessed a Betterment Assessment.

In-Plant Protection: The location of approved backflow prevention devices in a manner, which provides protection of the consumers of water and the potable water system within the premises.

Inspection: An on-site inspection and survey by a qualified individual to determine the existence and location of cross connections and/or the physical examination and testing of an installed backflow prevention device to verify that the backflow prevention device is functioning properly.

Inspection and Maintenance Report Form: A report form which is to be used by certified testers to record all pertinent testing information.

Main: Shall mean the piping and associated valves, hydrants and appurtenances owned by the Commission, or another town installed in a public way, publicly-owned easements whether recorded or by prescription, or private ways open to public travel, for the purpose of supplying water to one or more customers or for public fire protection including all supply or distribution pipes owned by the District.

Meter: Shall mean an instrument or device, including any appurtenances thereto, for measuring the flow of water.

Owner: Shall mean a person who alone or jointly or severally with others, has the legal title to any premises or has care, charge, custody or control of any premises as agent, executor, administrator, trustee, lessee or guardian of the estate of the holder of legal title. Also for the purposes of cross connections any person

maintaining a cross connection installation or owning or occupying premises on which cross connections can or do exist.

Owner's Agent: Any person or body designated by the owner to act as his or her representative.

Person: Any individual, corporation, company, association, trust, partnership, the Commonwealth, a municipality, district, or other subdivision or instrumentality of the United States, except that nothing herein shall be constructed to refer to or to include any American Indian tribe or the United States Secretary of the Interior in his capacity as trustee of Indian Lands.

Pollutant: A foreign substance, that if permitted to get into the public water system, will degrade its quality so as to constitute a moderate hazard, or 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 effect such water for domestic use.

Potable Water: Water from any source that has been approved by Mass DEP for human consumption.

Pressure Vacuum Breaker: A device containing one or two independently operated spring loaded check valves and an independently operated spring loaded air inlet valve located on the discharge side of the check or checks. Device includes tightly closing shut-off valves on each side of the check valves and properly located test cocks for the testing of the check valve(s).

Private Fire Protection: Shall mean private water mains, fire pipes and other appurtenances installed for the purposes of fire protection/suppression at a particular premise.

Privilege Fee: The amount to be assess by the Commission upon a Benefited Property, including properties previously assess a Betterment Assessment or not liable to assessment of a Betterment Assessment or not in fact assessed a Betterment Assessment, prior to connection of a building on the Benefited Property to the Water Distribution System or prior to obtaining an Increased Flow Approval.

Reduced Pressure Principle Backflow Preventer: An assembly consisting of two (2) independently operating approved check valves with an automatically operating differential relief valve located between the two (2) check valves, tightly closing shut-off valves on each side of the check valves plus properly located test cocks for the testing of the check valves and the relief valve.

Residential Dual Check: An assembly of two (2) spring loaded, independently operating check valves without tightly closing shut-off valves and test cocks. Generally employed immediately downstream of the water meter to act as a containment device.

Reviewing Authority: The North Carver Water District, or the Carver plumbing inspector, authorized by M.G.L. c. 142 and licensed by the Board of State Examiners of Plumbers and Gas Fitters, whichever is responsible for the review and approval of the installation of an approved backflow prevention device.

Service Pipe: Shall mean the connection, piping and associated valves and appurtenances that extend from a public water main to a building or property for the purpose of supplying water, other than for fire protection/suppression systems.

Supplier of Public Water: The North Carver Water District.

Total Amount to be Assessed as Privilege Fees: The total project cost less amounts assessed as Betterment Assessments or Privilege Fees and not abated. When the Total Amount to be Assessed as Privilege Fees has been finally assessed and not abated, the Privilege Fee shall expire.

Unapproved Source: The source or distribution system for any water or other liquid or substance which has not been approved by the Mass DEP as being of safe and sanitary quality for human consumption, including by not limited to any waste pipe, soil pipe, sewer, drain, or non-acceptable potable water system material.

Water Connection Permit: A permit issued by the Commission permitting a building or structure to be newly connected to the Water Supply and Distribution System.

Water Supply and Distribution System: The wells, pumps, treatment plant, water mains and appurtenant infrastructure supplying water to the District Service Area.

Water Project: The installation of the Water Supply and Distribution System.

## ARTICLE II—GENERAL PROVISIONS

*Section 1*

Application for Water Service—New and Renewal: All applications for a new connection or replacement of an existing connection to the District's water system shall be made at the office of the Water District by the owner of the property, or by an authorized agent. All applications must contain the full information requested and be accompanied by the applicable fees. All new services must have frontage where there is an existing main or be approved for service by the Water District Commissioners. Refer to the Appendices for a Water Service Application.

*Section 2*

Responsibility of Charges: Consumers of water will be charged with and held responsible for all water passing through their service pipe until such time as they shall notify the Water District at its office in writing that they no longer desire the use of water and the District has terminated all service to the property. In the case of the sale of the property, such notice shall give the name and legal mailing address of the new owner. Failure to receive invoices and/or submit notification of transfer of ownership will not constitute a reason for any adjustment. The sale or other transfer of title of property does not eliminate the responsibility for payment of any charges or fees and the new owner of record will be held responsible for ensuring that all charges and fees are paid in full at the time of transfer or when the bills are due.

*Section 3*

Unusual Construction: Owners of property desiring any unusual construction, alterations or attachments connected with the water supply must submit plans and specifications for the same to the District for inspection and approval or disapproval, and for a determination as to whether the same are permissible. The District will determine the terms, charges and conditions under which their use will be allowed.

*Section 4*

Access to Premises: Authorized employees of the Water District upon presentation of their credentials shall be permitted access to all premises supplied with water at reasonable hours, to permit inspection of plumbing and fixtures, to set, remove, or read meters, install remote registers, survey for cross connections, to ascertain the amount of water used, the manner of use, and to enforce these procedures. When such access has been

refused, the water will be shut off. No person shall tamper with a water meter or they shall be subject to a fine, per Article II, Section 13.

*Section 5*
Service Turn On/Off: Only Water District employees will turn on/off a water service at the street, unless directed and/or designated by the Water District.

*Section 6*
Conditions Under Which Service is Furnished: The District does not guarantee constant pressure nor uninterrupted service, nor does it assure the consumer either a full volume of water or the required pressure per square inch necessary to effectively operate hydraulic elevators, or other appliances, the same being subject to all the variable conditions that occur in the water system.

*Section 7*
No Liability for Interruptions of Service: No consumer shall be entitled to damages, or have payment refunded, for any interruption of supply occasioned either by accident to any portion of the works, or by the stoppage or shortage of supply due to causes beyond the control of the District, 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 or other consumers.

*Section 8*
No Liability for Dirty Water: The District will not be responsible for damages caused by dirty water resulting from the opening or closing of any gate for repairs, the use of any hydrant, or the breaking of any pipe. Whenever possible or feasible, the District will notify the affected consumers by media that there may be an occurrence of dirty water. The District will also not be responsible for changes in water quality due to chlorination or if water is temporarily provided by the Town of Middleboro.

*Section 9*
No Liability for Consumer's Pipes: The District assumes no liability for conditions which exist in consumer's pipes and cause trouble coincident to or following the repairs of any main pipe, service pipe, meter or other appliance belonging to the Water District.

*Section 10*
No Liability for Collapsed Boilers, Etc.: The District reserves the right at any time, without notice to shut off the water in the mains for purposes of making repairs, extensions or for other necessary purposes. Persons having boilers or other appliances on their premises depending on the 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 expense, suitable safety appliances to protect themselves against such danger. In any event, it is expressly stipulated that the Water District will not be liable for any damage resulting from water having been cut off, either through accident or necessity.

*Section 11*
No Liability for Shutting Off Water Without Notice: When it becomes necessary to shut off the water from any section of the District because of an accident or for the purpose of making changes or repairs, the District will endeavor to give timely notice to as many of the consumers affected thereby, as time and the character of the repairs or the accident will permit, and 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 District responsible or liable for any damage that may result from shutting of the water or any coincident conditions.

*Section 12*
Conference with Water District: Prior to commencing installation of water works materials, the consumer will meet with the Water District to review and insure understanding of and compliance with these Rules and Regulations.

*Section 13*
Violations of Regulations: Any person found in violation of regulations, rules or policies shall be fined $50 (first offense) $100 (second offense), $150 (third offense). Each day shall be considered a separate violation. The District may also order the shut off to the violator's premises upon violation of these regulations. If the water has been turned off as a result of a violation of these rules, it will not be turned on again until the District is satisfied that there will not be any further cause for complaint, and charges have been paid to cover the cost of shutting off and turning on the water.

*Section 14*
Fire Protection: The District does not provide water for active hydrants. On a case-by-case basis, the District will approve an unmetered fire service for direct fire protection sprinkler systems. An annual charge will be applied to all unmetered fire service lines. Indirect storage for fire protection systems, if supplied, by the District must be metered. Water supplied by other sources must be completely separate from North Carver Water District public water. Only customers with an active metered domestic service will be considered for a fire protection service.

*Section 15*
Severability: the provisions of these Regulations are severable. If any provision of these Regulations or any specific application to any person or circumstance is held invalid, such invalidity shall not affect other provisions or applications which can be given effect in the absence of the invalid provision or application.

*Section 16*
Availability of Service: Subject to availability, all property situated within the North Carver Water District shall be eligible to receive water service from the Commission upon compliance with these Regulations. The timing and methods for extending or providing service shall be at the Commission's sole discretion, but construction will commence only after consultation with the Carver DPW. Eligibility for water service outside of the District shall be conditioned upon the Commission's approval and compliance with these Regulations. The Commission is not required to provide service to a property if there is an insufficient water supply in the opinion of the Commission.

*Section 17*
Ownership: The Commission owns all public water mains, hydrants, valves, and associated appurtenances located within public ways, Commission-owned easements, whether recorded or by prescription and private ways open to public travel within the Town unless otherwise specified in writing by the Commission (with a copy provided to the owner). The Commission also owns all water service pipes from public water mains located within public ways, Commission-owned easements, whether recorded or by prescription and private ways open to public travel within the Town to an owner's property line, except where a building, foundation wall, retaining wall, stairs, areaways or other subterranean structures are located on the property line, the Commission owns the water service pipe to a distance of 18-inches outside the property line.

*Section 18*
Public Water Mains: The Commission shall control the use of all public water mains in the District. No person shall, without prior written authorization from the Commission, uncover, make any connections with or opening

into, alter, or disturb a public water main. No person shall maliciously, willfully or negligently break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is part of the Commission's water distribution system.

**ARTICLE III—CHARGES**

*Section 1*
Rates and Fees: Water rates and fees shall be established and or modified by the District Commissioners.

*Section 2*
Date of Consumer's Liability to Pay: A minimum charge will be assessed for a water service from the date the water is turned on whether the water is used or not.

*Section 3*
Discounts to Prevailing Rate for Bulk Purchases: A discount from the prevailing rates, at a rate determined by the Commission, to users to fill by means of a hydrant and tanker truck issued for a minimum usage of at least 28,000 gallons per day.

*Section 4*
Payment Due Dates: Water bills are due and payable within thirty (30) days from the date of issuance.

*Section 5*
Overdue Bills: All water bills that are outstanding after 30-days will be mailed a demand notice which shall be due within fourteen (14) days. The demand notice shall include a demand charge and interest on the outstanding balance. Interest shall accrue at the statutory rate applicable to property taxes as stated in Massachusetts General Law, c. 59, Sec. 57. If the charges are still unpaid after the due date of the demand notice, a hand delivered shut off notice will be posted on the premises being served one week before water service is turned off or plugged. Such shut off of water charges shall be approved by the Water Commission as water rates and charges of the Water District.

*Section 6*
Payment Plan: Any customer, prior to the termination of service, may agree to a written payment plan with the District. Any customer requesting a payment plan to avoid shut-off shall be afforded the opportunity to participate in a payment plan provided the account is not in default of a current payment plan.

*Section 7*
Standard Payment Plan Offers: Any customer prior to the termination of service may agree to a written payment plan with the District. The "standard offer" provided all customers to avoid shut-off is payment of one-half the amount due, and the remaining past due balance paid on an agreed to monthly payment schedule. The first payment shall be due on the first business day of a full month following the signing of the payment plan agreement. All charges subsequent to a payment plan are independent of the payment plan and subject to collection in accordance with these Rules. Customers who fail to meet the terms of the "standard offer" and monthly payment schedule shall have their service terminated without the benefit of additional notice. Any customer on a payment plan who notifies the District in advance of a termination that the monthly payment cannot be made shall not be considered in default for that payment provided payment be made prior to the next monthly payment date. Restoration of water service to properties whose service is terminated for non-

payment or default of a payment plan requires payment in full of all charges due to the District on the date of termination.

*Section 8*
Return Check Policy: Checks or other forms of commercial paper payable to the District for the purchase of water, materials, labor, fees, and or services to any account to which the District is entitled payment shall be subject to the provisions of MGL c. 266, s. 37. In addition, the return of any instrument of payment from the institution on which it is drawn, shall at the discretion of the District, subject the account to which it is applied to termination of service. Upon receipt of a returned instrument of payment, the District shall return said instrument to the drawer by certified mail. Included with the returned instrument of payment shall be a service termination notice. Service may be terminated on the first day after receipt of the certified mail return card or after fourteen (14) days, whichever occurs first. A service fee as described in the rate schedule, and the cost associated with the certified mail, shall be applied to the account for each occurrence an instrument of payment is returned.

*Section 9*
Collection of Miscellaneous Water Charges: All bills for materials on consumer's property and charges for shutting off or turning on water or other miscellaneous services will be subject to the same conditions as bills for water.

*Section 10*
Charge for Turning Water On or Off: A charge will be made for "turning on" or "shutting off" a water service when requested by the consumer or his agent. The Water District requires a two (2) week notice for a "turn on" or "turn off." No account will be "turned on" if there is an outstanding balance showing.

*Section 11*
Delinquent Accounts: No customer that owes an overdue bill for water charges shall be entitled to the further use of water at the same or any other premises until such water charges are paid in full, together with costs. Such cost shall include incurred interest as determined by the District except as provided in Section 4 and 5.

*Section 12*
Claims for Adjustments on Bills: All claims for adjustment of water bills shall be made in writing to the District within thirty (30) days of receipt of the bill. Such claims shall include sufficient explanation as to the basis for the claim for adjustment. If the adjustment is denied, the consumer may appeal the decision under Article VIII of these Regulations.

*Section 13*
All Metered Water to be Paid For: All water passing through a meter must be paid for by the consumer. The District shall not be held liable nor shall any claims be made against it in consequence for the breaking of any pipe or fixture. It is the consumer's responsibility to keep their water pipes and fixtures in good repair and protected from freezing. Consumers will be held responsible for any damage caused to the meter and water use resulting from their failure to do so. Consumers should prevent water waste at all times.

*Section 14*
When Meter is Out of Order: If a meter is out of order or fails to register, the consumer will be charged at the average daily consumption as shown by the meter when in order, for the corresponding period of two (2) years proceeding or as determined by the District. A notice will be delivered to the consumer in order to arrange a time for access to change the meter during normal business hours. If there is no response or the meter has not

been repaired by the next billing date, a bill for twice the prior average or as determined by the District will be sent. Service shall be terminated if arrangements for replacing the meter have not been made by the consumer within sixty (60) days of the second bill. At its sole discretion, the District may change a meter outside normal working hours at a cost determined by and adopted by the District.

*Section 15*
No Right to Furnish Water to Other Premises: A consumer will not be permitted to supply the premises of another person, except in special emergencies and then only with the specific written approval of the District.

*Section 16*
Master Metering: No master meters shall be approved, as of June 2016.

*Section 17*
Assessment of Privilege Fees

17.1 Prior to issuing a Water Connection Permit with respect to any Benefited Property, the Commission shall calculate the Privilege Fee due to the District based upon the Assessment Units attributed to the water flow allowed by the Water Connection Permit less the Assessment Units upon which a prior Betterment Assessment or prior Privilege Fee was based, or for Benefited Properties not previously liable to assessment of a Betterment Assessment or a Privilege Fee or not in fact assessed, for the total flow allowed by the Water Connection Permit, and shall assess such Privilege Fee.

17.2 Prior to granting Increased Flow Approval with respect to any Benefited Property, the Commission shall calculate the Privilege Fee due to the District based upon the Assessment Units attributed to the increased flow allowed by the Increased Flow Approval, less the Assessment Units upon which a prior Assessment or prior Privilege Fee was based, or for Benefited Properties not previously liable to assessment of a Betterment Assessment or a Privilege Fee or not in fact assessed, for the total flow allowed by the Increased Flow Approval, and shall assess such Privilege Fee.

17.3 After assessing any Privilege Fee, the Commission shall cause the Privilege Fee to be billed to the owner of the Benefited Property for payment within 30-days of billing. No Water Connection Permit or Increased Flow Permit shall be issued until the Privilege Fee is paid in full or an Apportionment Agreement has been signed, acknowledged, and delivered by the Benefited Property owner and recorded by the Commission.

17.4 In any Privilege Fee or apportioned amount thereof remains unpaid when the Town of Carver Board of Assessors is preparing a real estate tax list and warrant, the Commission shall certify such fee or apportioned amount to the Assessors of the Town of Carver for commitment to the Tax Collector and the Assessor shall add the fee or apportioned amount to the annual property tax assessed on the subject property. The Tax Collector, shall collect all such fees or apportioned amounts for the District as provided in G.L. c. 40, Sec. 42C and 42D and Sec. 5(a) of Ch. 124.

17.5 In the event that the Privilege Fee assessed is apportioned pursuant to this Regulation, the Commission shall record the Apportionment Agreement with the Plymouth County Registry of Deeds which is intended to provide notice of the statutory lien under G.L. c. 40, Sec. 42A and 42B to secure the payment of the apportioned Privilege Fee until paid in full.

17.6 An owner of property assessed a Privilege Fee who is aggrieved by such charge, may apply for an abatement to the Commission pursuant to G.L. C. 40, Sec. 42E.

**ARTICLE IV—METERS**

*Section 1*
Meter Installation: A shut-off valve at the meter inlet shall be the first fitting inside serviced building and shall be approved by the District. An approved valve shall also be installed near the outlet of the meter by the consumer, at the consumer's expense, to permit removal of the meter without back flow from the internal piping system.

*Section 2*
Consumers to Pay for Meter and Meter Repairs: All repairs or damages to meters from freezing, hot water or external causes shall be the responsibility of and paid for by the consumer. Per Appendix C "Meter Set-Up" all meters shall be supplied by the District and shall be subject to a 15% markup fee for time and materials.

*Section 3*
Meter Size: The proper size, type, and kind of water meter required for any given service shall be approved by the Water District. Per Appendix C "Meter Set-Up" all meters shall be sized and supplied by the District.

*Section 4*
Meter Not to be Removed: All meters up to and including 2" in size shall be set by an employee or contractor designated by the Water District, and shall not be moved or disturbed except by the same, unless otherwise directed and/or designated by the Water District. Larger meters shall be installed and maintained by the consumer or designee under the District's supervision.

*Section 5*
Ownership of Meters: All meters shall be owned by the District. Consumers are prohibited from tampering with, damaging or otherwise interfering with the operation of water meters. Any meter seal found broken may be considered a violation of this rule.

*Section 6*
Meter Pits: Any property with a distance of 100-feet or over from the building to the property line, will require a meter pit as well as buildings with no cellar or with a crawl space. A service to a property that does not have frontage on a road with a water main must also have a meter pit. Meter pits to be installed at the owner's expense and shall be according to plans approved by the District.

*Section 7*

North Carver Water District's Right to Change Meters: If, in the opinion of the Water District, a meter does not fit the conditions of the service installation, the District has the right to change such meter. Such change shall be made in accordance with current regulations at the expense of the consumer. Per Appendix C "Meter Set-Up" all meters shall be supplied by the District and shall be subject to a 15% markup fee for time and materials.

*Section 8*
Double Check Valve: An approved backflow prevention device (double check valve) shall be installed on each service line to a consumer's water system immediately after the meter (consumer's side of the meter) and before the first branch line leading off the service line. Note: Service lines to buildings other than for residential use may require another type of backflow prevention device; see Article VI-Section 1: Cross Connections.)

*Section 9*
Auxiliary Meters: Where the supply of water through a service is by a single meter, the District will read and maintain this meter. If additional or auxiliary meters are wanted by the consumer for showing subdivisions of such supply, they may be furnished and installed through the District, at the expense of the consumer, who must assume all responsibility of reading and maintaining the same.

*Section 10*
Repairing Meters: The Water District will have the right to remove, repair, test, or replace any meter as determined by the District. All meter installations on services that cannot be shut off for meter repairs shall be equipped with a metered by-pass at the expense of the consumer.

*Section 11*
Access to Meter: It shall be the duty of all consumers to see that meters and/or meter reading boxes on service connections, wherever located, shall be readily accessible to the Water District. If within 3 days after notification from the Water District, an obstruction fails to be removed, water may be shut off to the premises. Water will not be turned on until all obstructions are removed, all regulations complied with, and all expenses for shutting off and turning on the water are paid.

*Section 12*
Testing Small Meters by Request: The Water District will test the accuracy of water meter. Meters up to and including 1" may be tested by the Water District or an authorized representative upon written request of the consumer, who shall pay a fee to cover the cost of the test. If the meter is found to register over 2% more water than actually passes through it, the meter will be repaired or replaced and the fee refunded. The water bill for the current period will be adjusted in accordance with the result of the test. If, however, the testing shows the water meter under-registering by more than 5% the consumer may be charged for unbilled usage for no more than 90-days at the under-registered percentage for the actual metered use.

*Section 13*
Metering: All water must be metered. In cases where fire service lines are permitted by the District for sprinkler systems, an unmetered service may be installed. The users of the bulk water fill station shall use a single meter and certify their usage on a running log sheet.

**ARTICLE V—SERVICE, PIPE & FIXTURES**

*Section 1*
Water Waste: Consumers must keep their water pipes and fixtures in good repair and protected from frost at their own expense. They shall be held responsible for any damage resulting from their failure to do so. They shall prevent waste of water.
*Section 2*
All Services to be Inspected: All new or replaced service pipes must be inspected by the Water District or its designee before covering the trench. All pipes and trenches shall meet the approval of the Water District.

*Section 3*
Service Connection Fees: All service connections are subject to a Water District system fee. This fee shall be paid before any connections to the distribution system are allowed. An approved licensed utility contractor must install all connections. Installation costs are the responsibility of the consumer or the developer.

*Section 4*

Responsibility for Service Pipes: The service pipe from the water main to property line shall be owned and maintained by the Water District. With the exception of the water meter, the service pipe and all appurtenances from the property to the consumer's property shall be owned by and is the responsibility of the consumer. In the event of a leak in the consumer's service, such leak will be repaired upon discovery. Failure to make repairs within 7-days of discovery on non-emergency situations may result in termination of water service. The District reserves the right to terminate water service immediately in emergency situations. The consumer has the option of having the water service line repaired by the Water District or a private. If the Water District repairs the service line, all time and materials are subject to a 15% markup fee. All repair costs associated with water service pipes on the consumer's property are at the expense of the consumer and the Water District must approve all materials used.

*Section 5*

Leaks: A consumer may be billed for the estimated leakage if repairs are not made within a reasonable time.

*Section 6*

Temporary Service: Temporary services will be at the expense of the consumer and water passing through the service will be metered subject to a temporary meter fee. Refer to fee schedule.

*Section 7*

One Service to Each Premise: Only one service connection will be made to each dwelling unit located in a building or to each commercial or industrial building unit. Exceptions shall only be allowed in cases where both a dedicated fire service line and a domestic service line are anticipated.

*Section 8*

Request for Turning On or Shutting Off Water: Requests for "turning on" or "shutting off" a water service for repairs shall be made at least one business day in advance except in the case of an emergency. A charge will be assessed accordingly for each such service. Only Water District personnel or authorized representatives shall "turn on" or "shut off" the water service valve at the street. Requests for turning on or shutting off water, other than at normal business hours, shall be billed at overtime rates. Refer to Appendices: Request for Turning on or Shutting off Water.

*Section 9*

Special Reads for Transfers: A meter reading request for a transfer of ownership must be received by the Water District at least one week prior to the real estate closing. The Water District if given ample notice will read and produce a final water invoice prorating the charges to the date of the closing. If the property sale fails to take place the District should be notified immediately to prevent administrative charges to the consumer

*Section 10*

Extensions: Installation of services beyond the end of an existing water main will not be allowed. The main must be extended (including necessary hydrant and appurtenances) to the furthest limit of the applicant's property, unless specifically waived by the District. Water mains shall be "looped" when required by the District.

*Section 11*

Frozen Service Connection: When a consumer's service connection is frozen, the thawing is the responsibility of the consumer.

*Section 12*

Service Pipe Trenches: Service pipes shall be located as follows: not within 5-feet of the gas line; not within 10-feet of any part of a septic system's leaching pit, field, or septic tank pursuant to 31 CMR 15.211.

*Section 13*
Private Fire Services: Subject to the provisions of Article VI, Section 15. Private fire sprinkler service pipes may be installed at the expense of the consumer with the prior written approval of the District. The layout of check valves, type and size of pipe control valves, and meter shall be subject to the review and approval of the Water District and the Fire Chief or his designee. A backflow device shall be installed on all fire service lines. No service line or tap is to be taken from any private fire sprinkler service line. Failure to comply with this regulation will be just cause to discontinue the water service and the consumer will be charged for the water used as estimated by the Water District. No water is permitted through fire connections except for extinguishing of fires or pre-approved testing of the firefighting equipment. The backflow devices on private fire service shall be tested annually by the District at fees established by the District.

*Section 14*
Use of Fire Hydrants: The use of fire hydrants is restricted to the North Carver Water District and the Town of Carver. Any unauthorized use of hydrants may be subject to a fine and charges for the estimated use of water, whether used or wasted.

*Section 15*
Obstructing Fire Hydrants: No person shall obstruct the access to any fire hydrant by placing or permitting any debris, building material or other obstruction to remain on or about the hydrant, which will in any manner interfere with its immediate use or visibility.

*Section 16*
Use of Gate Valves: District personnel must perform the operation of all gate valves unless otherwise authorized by the District. Opening or closing of the valves by unauthorized parties shall constitute a fine and will be charged for the estimated use of water, whether used or wasted.

*Section 17*
Construction: Construction of all water appurtenances must be in accordance with the District's construction specifications and/or must be approved by the District.

*Section 18*
Lawn/Landscape Irrigation Systems: Owners with existing sprinkler systems, as well as newly installed lawn/landscape irrigation systems are required to install and maintain rain shut-off devices and or soil moisture monitoring devices on their lawn/landscape irrigation systems. Any owner with an automatic lawn/landscape irrigation system found watering in the rain will receive a written warning for the first offense, be fined $300 for the second offense and be fined $500 for the third offense. At the time of the third offense the water will be shut off and water service will not be restored until all fines have been paid and a working rain shut-off device and/or soil moisture monitoring device is inspected by District personnel. All future connections to the North Carver Water District system whether residential, commercial, industrial or municipal will be restricted from connecting automatic in-ground sprinkler systems to the District supply. Customers that have applied for service after the adoption of the rules and regulations that are found to have connected outside irrigation to the district supply are subject to immediate termination of their entire water service. Water will not be restored until a fine of $100 is paid and the irrigation is disconnected.

## ARTICLE VI—NORTH CARVER WATER DISTRICT CROSS-CONNECTION CONTROL PROGRAM

*I.* *Purpose*

A. To protect the public potable water supply served by the North Carver Water District from the possibility of contamination or pollution by isolating such contaminates or pollutants which could backflow or back-siphon into the public water system.
B. To promote the elimination or control of existing cross connections, actual or potential, between its customers in-plant potable water system, and non-potable systems.
C. To provide for the maintenance of a continuing program of cross connection control which will effectively prevent the contamination or pollution of all potable water systems by cross connection.

*II.* *Authority*

The Town of Carver North Carver Water Commission is invested with the authority and responsibility for the implementation of a cross connection control program and for the enforcement of the provision of the Ordinance.

As provided for in the Federal Safe Drinking Water Act of 1974, (Public Law 93-523), and the Commonwealth of Massachusetts Drinking Water Regulations, 310 CMR 22.22, the water purveyor has the primary responsibility for preventing water from unapproved sources, or any other substances, from entering the public potable water system.

A. North Carver Water District, Rules and Regulations, adopted June 30, 2010.
B. Chapter 124 of the Acts of 2008, as amended.

*III.* *Responsibility*

The Water Commission shall be responsible for the protection of the public potable water distribution system from contamination or pollution due to the backflow or back-siphonage of contaminants or pollutants. If, as a result of a survey of the premises, the Commission determines that an approved backflow prevention device is required at the North Carver Water District's water service connection or as in-plant protection on any customer's premises, the Commission, or its delegated agent, shall issue a cross connection violation form to said customer to install approved backflow prevention devices. The customer shall, within a time frame determined by the North Carver Water Commission, install such approved device or devices at his own expense, and failure or refusal or inability on the part of the customer to install said device or devices within the specified time frame shall constitute a ground for discontinuing water service to the premises until such device or devices have been properly installed.

*IV.* *Definitions*

A. Refer to Article I.

*V.* *Administration*

A. The North Carver Water Commission will operate an active cross-connection control program, to include the keeping of necessary records, which fulfills the requirements of Mass DEP's Cross Connection Regulations and is approved by Mass DEP.
B. The Owner shall allow his property to be inspected for possible cross-connection and shall follow the provisions of the North Carver Water Commission's program and Mass DEP's Regulations.

*VI. Requirements*

A. Commission.

1. On new installations, the North Carver Water Commission will provide onsite evaluation and/or inspection of plans in order to determine the type of backflow preventer, if any, that will be required, will issue permit, and perform inspection and testing.
2. For premises existing prior to the start of this program, the North Carver Water Commission will perform surveys of the premises and review of as-built plans and issue a cross connection violation form to the owner detailing any corrective action required, the method of achieving the correction, ant he time allowed for the correction to be made. The time period allowed shall depend on the degree of hazard involved.
3. The North Carver Water Commission will not allow any cross-connection to remain unless it is protected by an approved backflow preventer for which a permit has been issued and which will be regularly tested to insure satisfactory operation.
4. The North Carver Water Commission shall inform the Owner by letter, of any failure to comply, by the time of the first re-inspection. The North Carver Water Commission will allow an additional fifteen (15) days for the correction. In the event the Owner fails to comply with the necessary correction by the time of the second re-inspection, the North Carver Water Commission will inform the Owner by letter, that the water service to the Owner's premises will be terminated within a period not to exceed five (5) days. In the event that the Owner informs the North Carver Water Commission of extenuating circumstances as to why the correction has not been made, a time extension may be granted by the North Carver Water Commission but in no case will exceed an additional thirty (30) days.
5. If the North Carver Water Commission determines at any time that a serious threat to the public health exists, the water service will be terminated immediately.
6. The North Carver Water Commission will begin initial premise inspections to determine the nature of existing or potential hazards, following the approval of this program by Mass DEP, during the calendar year 2011. Initial focus will be on high hazard industries and commercial premises.

B. Owner

1. The Owner shall be responsible for the elimination or protection of all cross-connections on his premises.
2. The Owner shall be responsible for applying for and obtaining all necessary approvals and permits for the maintenance of cross connections and installation of backflow prevention devices.
3. The Owner shall correct any malfunction of the backflow preventer which is revealed by periodic testing.
4. The Owner shall inform the North Carver Water Commission of any proposed or modified cross connections and also any existing cross connections of which the Owner is aware but has not been found by the North Carver Water Commission.
5. The Owner shall not install a bypass around any backflow preventer unless there is a backflow preventer of the same type on the bypass. Owners who cannot shut down operation for testing of the device(s) must supply additional devices as necessary to allow testing.
6. The Owner shall install backflow preventers in a manner approved by the North Carver Water Commission.
7. The Owner shall install only backflow preventers approved by Mass DEP.

8. Any Owner of industrial, commercial, or institutional premises having a private well or other private water source must have a permit if the well or source is cross connected to the North Carver Water Commission System. Permission to cross connect may be denied by the North Carver Water Commission. The Owner may be required to install a backflow preventer at the service entrance if a private water source is maintained even if it is not cross connected to the North Carver Water System.
9. The Owner of a private well or individual water source serving residential dwellings used for potable or non-potable purposes will not be allowed a physical connection with the North Carver Water System.
10. The Owner shall be responsible for the payment of all fees for permits, annual or semi-annual device testing, retesting in the case that the device fails to operate correctly, and second re-inspections for non-compliance with Mass DEP or North Carver Water Commission requirements.

*VII. Degree of Hazard*

The North Carver Water Commission recognizes the threat to the public water system arising from cross-connections. All threats will be classified by degree of hazard and will require the installation of approved reduced pressure principle backflow prevention devices or double check valves. The North Carver Water Commission may require a containment device on the water service entrance to any customer who, as a result of unprotected cross connections, could contaminate the North Carver Water System.

*VIII. Existing In-Use Backflow Prevention Devices*

Any existing backflow preventer shall be allowed by the North Carver Water Commission to continue in service unless the degree of hazard is such as to supersede the effectiveness of the present backflow preventer or result in an unreasonable risk to the public health. Where the degree of hazard has increased, as in the case of a residential installation converting to a business establishment, any existing backflow preventer must be upgraded to a reduced pressure backflow preventer, or a reduced pressure backflow preventer must be installed in the event that no backflow device was present.

*IX. Periodic Testing*

A. Reduced pressure principle backflow devices shall be tested and inspected at least semi-annually.
B. Backflow device testing and inspection shall be performed by Mass DEP certified backflow tester.
C. The testing shall be conducted during the North Carver Water Commission's regular business hours. Exceptions to this, when at the request of the Owner, may require additional charges to cover the increased costs to the North Carver Water Commission.
D. Any backflow preventer which fails during a periodic test must be repaired or replaced by a licensed plumber. When repairs are necessary, upon completion of the repair, the device will be retested at the Owner's expense to insure proper operation. High hazard situations will not be allowed to continue unprotected if the backflow preventer fails the test and cannot be repaired immediately. In other situations, a compliance date of not more than fourteen (14) days after the test date will be established. The Owner is responsible for spare parts, repair tools, or a replacement device. Parallel installation of two devices is an effective means of the Owner ensuring that uninterrupted water service remains during testing or repair of devices and is strongly recommended when the owner desires such continuity.

E. Backflow prevention devices will be tested more frequently than specified above in "A" in cases where there is a history of test failures and the North Carver Water Commission feels that due to the degree of hazard involved, additional testing is warranted. Cost of the additional tests will be borne by the Owner.

## X. *Reports and Records*

A. Records

The North Carver Water Commission will initiate and maintain the following:

1. Master files on customer cross-connection tests and/or inspections.
2. Master files on approved cross-connection installations.
3. Master files on facilities surveyed and violations found.
4. Master files on correspondences, violation notices and enforcement actions.

B. Reports

The North Carver Water Commission will submit reports, such as: listing of cross connection and respective devices, summary of cross connection inspections and surveys, to the Mass DEP upon request.

## XI. *Fees and Charges*

Fees shall be set forth in North Carver Water District Fee Schedule.

## XII. *Miscellaneous*

A. Residential dual check

All new residential buildings will be required to install a residential dual check device immediately downstream of the water meter. Installation of this residential dual check device on a retrofit basis on existing service lines will be instituted at a time and at a potential cost to the homeowner as deemed necessary by the North Carver Water Commission.

The Owner must be aware that installation of a residential dual check valve results in a potential closed plumbing system within his/her residence. As such, provisions may have to be made by the owner to provide for thermal expansion within his/her closed loop system, i.e. the installation of thermal expansion devices and/or pressure relief valves.

B. Strainers

The North Carver Water Commission strongly recommends that all new retrofit installations of reduced pressure principle devices and double check valve backflow preventers include the installation of strainers located immediately upstream of the backflow device. The installation of strainers will preclude the fouling of backflow devices due to both foreseen and unforeseen circumstances occurring to the North Carver Water system. System occurances such as water main repairs, water main breaks, fires, periodic cleaning and flushing of mains, etc. These occurrences may "stir up" debris within the water main that will cause fouling of backflow devices installed without the benefit of strainers.

C. Treatment

No treatment shall be added to water supplied by the Town unless authorized by the District.

D. Auxiliary Tankers

All tanker trucks must be filled at District approved sites to eliminate potential cross connections. This section shall not apply to Town of Carver or Mutual Aid fire trucks. Refer to the North Carver Water Commission Fee Schedule.

## XIII. *Appendix*

A. Inspection and Maintenance Report Form.
B. Standard Letters

**VIOLATION NOTICE**

**(Date)**
**(Facility Owner Name)**
**(Facility Address)**
**(City/Town, State ZIP)**

Re: Cross Connection Control Survey Violation Notice

Dear **(Facility Owner Name):**

THIS IS AN IMPORTANT NOTICE, FAILURE TO TAKE ADEQUATE ACTION IN RESPONSE TO THIS NOTICE COULD RESULT IN SERIOUS LEGAL CONSEQUENCES.

On **(survey date)**, inspector **(Inspector's Name)** of the North Carver Water District Cross-Connection Control Program conducted a survey of your property located at **(facility address)**. 310 CMR 22.22, Massachusetts Drinking Water Regulations requires all industrial, commercial and institutional facilities to be surveyed for cross-connection. This cross-connection survey was performed to determine if any cross-connection between the drinking water distribution system and any non-potable liquid or gasses exists. **(Owner's representative)** was present during the survey.

310 CMR 22.22 defines a cross-connection as "...any actual connection or arrangement between any pipe conveying potable water from a public water system and any non-potable water supply, piping arrangement or equipment including, but not limited to waste pipe, sewer, drain, other unapproved sources, or any direct or indirect connection between a plumbing fixture or device whereby contaminated water or fluids, gases, or substances may enter and flow back into the potable water piping system or the distribution system of a public water system."

The following cross-connection(s) was/were found during the cross-connection survey. **(Describe in detail the cross-connection(s) found and the exact location.)**

These cross-connections are in violation of 310 CMR 22.22 and must be eliminated or properly protected by **(date).**

You are required to submit a plumbing plan or design data sheet detailing the correction for each of the cross connections found. This information must be submitted to the North Carver Water District for review and approval.

Please note the North Carver Water District Cross-Connection Control Program recommends the elimination of the cross connection whenever possible. In many cases, re-piping some portion of your facility may eliminate or reduce the number of backflow preventers needed which could result in significant cost savings to you and additional protection of the water supply for all consumers of the system. We encourage you to discuss this option with your plumber.

In situations of economic hardship, time extension may be granted. In order for an extension to be considered, a request must be made to the North Carver Water District Cross-Connection Control Program in writing, indicating the reasons for the extension and the proposed schedule for elimination or protection of the cross-

connection. This must be submitted with the plumbing plan or design data sheet according to the previously mentioned time frame.

North Carver Water District, does not, under any circumstances, recommend or endorse any person, agent, company, contractor, etc., to engage in the correction of the violation(s) contained within this violation notification. However, this violation notification is considered to be a public record and may be obtained by any interested parties under the guidelines set forth in the Massachusetts Public Records Law.

If further information is necessary, please contact the North Carver Water District Cross Connection Control Program at:

C/O NCWD
108 Main Street
Carver, MA 02330

508-866- 3450

Please be advised, if you feel that any or all of the above mentioned violations are incorrect, please submit a written statement listing the violation(s) that you feel are in error and your facility will be re-evaluated. In addition, the North Carver Water District does have a formal appeal process. For more information, please contact the Town of Carver DPW at 508-866-3450.

Thank you for your cooperation in protecting North Carver Water District drinking water.

Sincerely,

Cross Control Inspector

Enclosures

CC: Carver Plumbing Inspector
Carver Building Commissioner
Chairman, Board of Health
Carver Fire Chief

**ARTICLE VII—WATER USE RESTRICTIONS**

*Section 1*

Declaration of a State of Water Supply Conservation: The District Commissioners may declare a State of Water Supply Conservation upon a determination by a majority vote of the Commission that a shortage of water exists and conservation measures are appropriate to ensure an adequate supply of water to all water consumers. Public notice of a State of Water Conservation shall be made as provided herein before it may be enforced.

*Section 2*

Restricted Water Uses: A declaration of a State of Water Supply Conservation shall include one or more of the following restrictions, conditions, or requirements limiting the use of water as necessary to protect the water supply. The applicable restrictions, conditions or requirements shall be included in the public notice.

- Odd/Even Day Outdoor Watering: Outdoor watering by water users with odd numbered addresses is restricted to odd numbered days. Outdoor watering by water users with even numbered addresses is restricted to even numbered days.
- Outdoor Watering Ban: Outdoor watering is prohibited.
- Outdoor Watering Hours: Outdoor watering is permitted only during daily periods of low demand, to be specified in the declaration of a State of Water Supply Conservation and public notice thereof.
- Filling Swimming Pools: Filling of swimming pools is prohibited.
- Automatic Sprinkler Use: The use of automatic sprinkler systems is prohibited.

*Section 3*

Public Notification of a State of Water Supply Conservation& Notification to DEP: Notification of any provision, restriction, requirement or condition imposed by the District as part of a State of Water Supply Conservation shall be published in a newspaper of general circulation within the Town, or by such other means reasonably calculated to reach and inform all users of water of the State of Water Supply Conservation. Any restriction imposed under Section 2 shall not be effective until such notification is provided. Notification of the State of Water Supply Conservation shall also be simultaneously provide to the Mass DEP.

*Section 4*

Termination of a State of Water Supply Conservation Notice: A State of Water Supply Conservation may be terminated by a majority vote of the District Commissioners, upon a determination that the water supply shortage no longer exists. Public notification of the termination of a State of Water Supply Conservation shall be given in the same manner as Section 3.

*Section 5*

State of Water Supply Emergency & Compliance with DEP orders: Upon notification to the public that a declaration of a State of Water Supply Emergency has been issued by the District of Environmental Protection, no person shall violate any provisions, restriction, requirement, condition of any order approved or issued by the District intended to bring about an end to the State of Emergency.

*Section 6*

Penalties: Any person violating this bylaw shall be liable to the District in amount of $50.00 for the first violation and $100.00 for each subsequent violation, which shall inure to the District. Fines shall be recovered by indictment, or on complaint before the District Court, or by non-criminal disposition in accordance with Section 21D of Chapter 40 of the General Laws. Each day of violation shall constitute a separate offense.

**ARTICLE VIII—APPEAL PROCEDURES**

*Section 1*
Appeals from shut-offs or terminations or fines affected under these Regulations shall be governed by the Commission.

*Section 2*
Informal Conference: Whenever the Commission, acting under these Regulations, denies an application; requires a consumer or user to take action in accordance with these regulations; issues a cease and desist order, a compliance order, or an implementation schedule; or assesses penalties or other charges for noncompliance, the Commission shall inform the consumer to whom such action is addressed.

Such notice shall be sent by first-class mail and shall inform the addressee of his right to submit, within 21-days after the date of such notice, a written request for reconsideration of the Commission's action. A request for reconsideration shall be addressed to the District at the Commission's main office and shall set forth in detail the facts supporting it. Upon receiving such a timely request for reconsideration, the District (or designee) shall schedule an informal conference with the consumer making the request. Written notice of the conference date, time and place shall be mailed to that consumer at least 10-days before the date of the conference. The District (or designee) shall rule in writing on the request for reconsideration within 21-days after completion of the conference. A copy of the ruling on the request for reconsideration shall be mailed to the consumer who submitted the request and shall notify the owner or user of the right to request a hearing before the Commission or its designated representative.

*Section 3*
Hearings: A hearing before the Commission or designated representative must be requested in writing within 30-days of the decision on the request for reconsideration. A request for a hearing before the Commission or designated representative shall be in writing and shall be addressed to the Commission at the Commission's main office and shall set forth in detail the facts supporting such request. The Commission shall schedule a hearing and shall mail to the consumer who requested the hearing a written notice specifying the date, time and place of the hearing. The decision of the Commission shall be final.

## Appendix A

## GUIDELINES AND SPECIFICATIONS FOR WATER SERVICES AND MAINS IN THE NORTH CARVER WATER DISTRICT

*Note: all references to Water District/District shall include, or authorized designee*

A. Application for Water Service
   1. Obtain and submit application at the Water District office located at 108 Main Street, Carver, MA 02330.
   2. Obtain DIGSAFE permit number—both for public and private property. Present plan or print of proposed project (DIGSAFE: 888-344-7233).
   3. Obtain Street Opening Permit at Carver DPW located at 108 Main Street, Carver, MA 02330; (requires either bonded contractor, or ability to obtain a bond).
   4. Obtain application to access State Highway from MA-DOT, if applicable.
   5. Arrangements for installation are to be made a minimum of 72-hours prior to installation with Water District. No installation will be allowed without water personnel on site, inspection shall be as per Article V, Section 2. No permits to open public ways between November 15 and April 15, except in such cases deemed to be emergencies. Applications must be received by November 1.
   6. Obtain Trench Safety Permit for any excavation defined as a trench in 520 CMR 14:00 from the Carver DPW.
   7. Obtain Water Connection Permit with Increased Flow Approval, if applicable.

B. Actual Installation
   1. Proper safety devices and warning signs will be set up prior to any excavation. This includes cones, horses, etc. A police officer will be required if the District or other authorized official deems an officer to be necessary.
   2. No pavement will be cut without a Carver DPW Street Opening Permit.
   3. Any excavation work requiring pavement removal will be cut by an accepted method, such as the use of a jack-hammer, cutting wheel, or cutting saw. No asphalt shall be removed without being properly cut first. Paved area must be replaced with material approved by the DPW.
      a. If the water main is located across the street from the desired location, the contractor or builder will be required to try and wash, push, or drive the pipe under the street. If a mechanical device is used, such as a mole, the device will be driven from the water main side to the opposite excavation.
   4. Proper excavation and safety procedures will be followed regarding trenching for pipe installation. Applicable State and Federal regulations apply.
   5. Any material excavated from the trench, which is deemed unsuitable by the Water District or DPW, will be removed and replaced with material approved by the DPW.
   6. Proper back filling procedures will be used in refilling the trenches, both to ensure proper protection of the pipeline and for the compaction of the trench. Care will be taken to protect existing utilities, and any damage to existing facilities will be paid for by party responsible.
   7. All water services, domestic, commercial, industrial or institutional shall be installed in a straight line between the water main and the dwelling/building to be served. Any variations presented by on-site conditions shall be at the discretion of the Water District. Such conditions include driveways, on-site septic design, or natural geology, i.e. Ledge, boulders, etc.
   8. All pipe and fittings will be to Water District specifications and to AWWA specifications for water systems. No piping will be buried without inspection per Article V, Section 2. Any piping buried

without inspection will not be acceptable to the Water District and will have to be uncovered for inspection.

9. All service connections will have compression type connections unless otherwise approved. Compression type connections will be required on all joints where the pipe is jointed to the fitting. Mueller cc thread is required on all taps two (2) inches or less. Pipe threads will be required on all other fittings being adapted to compression fittings or to meter connections. Ball valves are required in the cellar before the meter (cellar valves). Pressure reducers may be required after the meter (see Plumbing Inspector). All water service pipes will be CTS-PE tubing from main to building. All pipes will meet AWWA specifications for water service piping. Only stainless steel inserts will be allowed. The approved contractor will provide all materials from the building to the water main (including tubing, adapters, corporation, curb stop and box).
10. All installations including tapping of water mains shall be performed only by authorized contractors who are listed and approved by the District. All costs of the service installation including required system fees and inspection fees will be at the expense of the customer, contractor, or builder.
11. Charges for services rendered will include all materials and labor supplied by the Water District, including the meter and connections plus appropriate overhead charges, and billed to the owner.
12. All subdivisions, condominium projects, and multiple housing or other types of projects will supply everything needed to provide adequate domestic water supply and to meet the fire protection requirements to said projects. They will apply to the Board of Water Commissioners for a water connection permit. A complete set of plans (engineering the project) must be submitted to and approved by the Water District.
13. Water System plans will include the layout of the water main, complete with all hydrants, valves, service connections, and other details necessary to construct the water main. A locus map showing the location of the project. A construction detail plan showing hydrant details (side view and top view); pipe laying and trench details; details for fitting and thrust blocks and any other detail the Water District deems necessary. A complete set of technical specification details will be printed on the plans, so as there is no question in the field concerning requirements. The Water District reserves the right to require additional details and make changes to any plan which the District feels necessary. Knowing that all plans do not account for field changes, the Water District reserves the right to approve any changes necessary because of field conditions. As-built plans shall accurately reflect the installation of the water main. As-built plans shall be prepared and stamped by a professional engineer or land surveyor in accordance with the requirements of the District or its designee.
14. The service pipe in a public way must be installed by the Town, the District, or a private contractor. All fees to be paid by the applicant. This shall be at the discretion of the Water District. Any service line installed by a private contractor in a public way must be guaranteed for one (1) year from date of acceptance.
15. All work, including labor, equipment, and materials, performed by DPW personnel in a public way will be billed to the applicant at the going rates of the DPW. Water District personnel shall inspect all water installations before any back filling will be allowed (both on public and private property).

C. Cancelling of Scheduled Installations

1. If all necessary paperwork is not completed by date of installation including street opening.
2. If any charges owed to the Town of Carver or the District are outstanding.
3. If safety equipment is not on site as required.
4. If proper equipment to do the job is not on site (jack-hammer, compressor, etc.)
5. If inclement weather conditions prevail.

D. These specifications and guidelines have been established to assist the Town or District control projects and to assist project engineers, contractors, developers and builders in what is required for water services and water main installations. They are not meant to supersede street opening permits, plumbing code regulations or water regulations established by EPA or the State of Massachusetts regulations that supersede local regulations.

E. No water will be turned on unless:
   1. Any and all construction bills owed to the Town of Carver or the District are paid in full.
   2. All necessary permits are issued, inspections are complete, and fees are paid.

F. No other source of water supply (either potable or non-potable) will be allowed to be attached to any plumbing system served by the public water supply.

## Appendix B

## NORTH CARVER WATER DISTRICT LICENSED CONTRACTOR REQUIREMENT

Only contractor's licensed and listed as approved by the North Carver Water District shall be permitted to lay and or repair water services in the North Carver Water District. Contractors are required to know, and are bound by all North Carver Water District Rules, Regulations, and Fees in force at the time of the work.

Licenses to install or repair water services will only be issued to experienced and competent contractors. Licenses may be issued to either individuals or companies. Licenses are not transferable.

Contractors may obtain an initial or renewal license to install or repair water services at any time during the calendar year. All licenses shall expire on December 31st of each year.

Contractors that have not worked in North Carver Water District for two years prior to the adoption of this section, shall be required to provide with their initial license application two letters from other water departments verifying their experience and competency to lay or repair water services. Said letters shall be sent directly to the North Carver Water District from the issuing water department.

Contractors doing work under this section shall maintain insurance coverage as follows:

- Public Liability $3,000,000.00
- Property Damage Liability $3,000,000.00

Such coverage shall be in force for the calendar year, and name the North Carver Water District as an additional insured party. Coverage shall include a rider for Explosion, Collapse and Underground. A copy of the insurance binder will be provided to the North Carver Water District at the time of application.

Contractors doing work under this section shall also have in force all applicable Workmen's Compensation, motor vehicle, and other insurances as required by the Laws of the Commonwealth of Massachusetts.

The North Carver Water District reserves the authority to revoke the license of any contractor if, in the opinion of the North Carver Water District, their construction methods or materials do not comply with the North Carver Water District Rules, Regulations, and Fees in force at the time of the work.

Owners of the property to which water is provided are liable and responsible for all work and warranties provided by the contractor. The North Carver Water District provides no warranty either explicit or implied, as to the quality of workmanship and materials provided by licensed contractors.

Issuance of a license to a contractor in the employ of a water taker or property owner shall indemnify the North Carver Water District, its employees and elected officials 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 omissions of said licensee in the performance of their work.

## Appendix C
## TECHNICAL SPECIFICATIONS NORTH CARVER WATER DISTRICT

SERVICES

Potable water services shall be either one (1) or two (2) inch tap. Requests for larger service connections must be pre-approved by the Water Commissioners. All service connections shall be compression type fittings with stainless steel inserts; flared fittings are not permitted. All materials must be installed as to have no leakage under pressure. Water services shall be sized in accordance with AWWA M-22.

Service blow-off saddles shall be nylon coated iron with double stainless steel straps. Service saddle shall be equivalent to Model 317 Service Saddles as manufactured by Smith-Blair or equivalent for ductile iron pipe.

WATER SERVICE TUBING

Polyethylene (PE) tubing for service connections shall be HDPE tubing with classification SDR 9. Copper tube size (CTS) PE tubing shall conform to AWWA C-901 requirements.

CORPORATION STOPS

The corporation stops shall meet the most recent revision of the AWWA standard "Threads for Underground Service Line Fittings" AWWA C800. Corporation stops and fittings shall be brass conforming to the requirements of AWWA C-800. Corporation stops shall be designed for 300 psi test pressure as manufactured by Mueller, Inc. Corporation stops shall be Mueller Ori-Corp ® H-15008 with compression connections outlets.

CURB STOP

Curb stops shall meet the most recent revisions of the AWWA standard "Threads for Underground Service Line Fittings" AWWA C800. Curb stops shall be designed for 300psi test pressure as manufactured by Mueller, Inc. Curb stops shall be Mueller Mark II Triseal H-15219 with compression connections.

CURB BOX

All water service boxes shall be North American made "Buffalo" style 2 ½-inch to include cover, slide top and base. The curb box shall measure the length from the curb to the finish grade plus 6-inches. All curb stops shall be centered and plumb in the box at a depth no greater than 6-feet below final grade. Depths greater than 6-feet require an "Erie" style extension rod attached to the curb stop. The valve boxes shall be so designed and constructed as to prevent the direct transmission of traffic loads to the pipe or curb stop. Service boxes shall be coated both inside and outside with coal tar pitch.

METER SET-UP

The property owner shall provide a suitable location for the installation of the meter. Said location shall be approved by the Water Commission and shall be such as to prevent freezing of the meter. Losses incurred due to freezing shall be fully recoverable by the North Carver Water District. Customers shall pay for meter in accordance with the rate schedule at the time of service application. All meters shall be supplied and owned by the North Carver Water District and register in cubic feet. All services shall be fitted with a 5/8-inch Schlumberger/Neptune remote reader meter. Requests for larger meters will be considered if documented by a

fixture analysis per CMR 2.14(3) and AWA M-22. All meter set-ups shall include a quarter turn ball valve before and after the meter. Meter couplings, and piping from and including the curb stop connecting fitting (except the meter) shall be owned and maintained by the property owner.

GROUNDING WIRE

No electrical grounding wires shall be connected to any water service.

METERS REQUIRED

Meters shall be required to any building or parcel which takes water from the District for any use. Single family residential properties shall meter individually with a 5/8-inch meter. Managed residential multi rental properties (i.e. duplex, apartments, and multifamily) shall have each building metered as one. Multi-unit, non-managed, non-rental residential properties (i.e. condominiums, townhouses, duel-owner duplex units) shall be metered individually. Lateral connections which exist prior to the adoption of these rules shall pay a "in lieu of meter" lateral connection fee as defined in the rate table. Bypassing or tampering with meters shall result in termination of service.

TESTING

Testing shall be in accordance with AWWA c-600. No pipeline is to be placed under pressure or subjected to hydrostatic pressure until at least 5 days have elapsed after the poured concrete thrust blocks have been installed. If high early strength concrete is used in the concrete thrust blocks, the hydrostatic pressure can be applied to the main after 2 days have elapsed from time of construction of the thrust blocks. New water mains shall be filled and flushed under the direct supervision of the Water District. All air shall be expelled from the line prior to testing. The test pressure shall be 150 psi or 1.5 times the working pressure, whichever is greater. Test pressure shall not exceed the rated pressure of the valves with the pressure boundary of the test section includes closed, resilient-seated gate valves or butterfly valves. The test duration shall be 2 hours. Allowable leaking shall be based on section 4.1 of AWWA C-600.

DISINFECTION

After an acceptable pressure test, the new water mains shall be chlorinated in accordance with AWWA C-601 and 651. Chlorine shall be introduced through a tap at one end of the pipeline while water is withdrawn from the opposite. Chlorine dosage must be sufficient to produce a minimum in the pipeline of 50 mg/l. Following a 24-hour contact period, the treated water shall be flushed from the mains and samples (as determined by the Water District) taken for Coliform and background bacteria. A set of repeat samples (a minimum of 24-hours apart) must also be taken only if a positive sample is reported. Mains will not be accepted or approved for service connections until all required samples show zero bacteria counts. The contractor shall re-disinfect and resample until mains are acceptable. All valves and hydrants within the treated section shall be operated to ensure disinfection of the appurtenances. Following the chlorination period, all treated water shall be flushed from the lines at their extremities and replaced with water from the distribution system. All treated water flushed from the lines shall be disposed of in accordance with an approved means provided in AWWA C-651. Flushing shall be done in strict conformance with all applicable local, state and federal regulations. Contractor or builder is responsible for no discharge of chlorinated water to any storm sewer of natural watercourse will be allowed.

**MATERIALS**

PIPE

Water mains shall be cement lined ductile iron water mains, with bitumen coating inside and out, with a minimum nominal diameter of 8-inches. Pipe shall conform to the requirements of ANSI A21-50, A21.51, and AWWA C-150, C-151. All pipes shall be Class 52 with push-on joints.

JOINTS

All ductile iron pipe joints shall conform to AWWA C111.

MECHANICAL JOINT RESTRAINTS

Where indicated or necessary to prevent joints or sleeve couplings from pulling apart under pressure, anchoring and joint restraint methods shall be utilized. Methods shall be restrained joint systems. Restrained joint system for standard mechanical joint or push-on joint pipe shall be Megalug or Coverall by EBAA Iron Sales, Inc., Eastland, TX; Fast-grip joint by American Cast Iron Pipe Company, Birmingham, AL; Field Lok 350 Gasket by Untitled Pipe and Foundry Company, Birmingham, AL; or approved equal. Methods that rely on the use of friction clamps and/or retainer glands with set screws alone are not acceptable.

COUPLINGS

Couplings used in the installation, joining or repair of the water main shall be approved by the North Carver Water District. All couplings and accessories shall be of a pressure rating at least equal to that of the pipeline in which they are to be installed. Couplings shall be provided with galvanized steel bolts and nuts (stainless steel bolts and nuts acceptable). Couplings shall be provided with NBR gaskets suitable for exposure to potable water (NSF 61 certified). Couplings shall be manufactured in the United States and shall be Hymax, Romac HP, or equivalent product as approved by the District.

PIPE FITTINGS

Fittings shall be cement lined ductile iron with bitumen coating inside and out. Fittings shall conform to the requirements of ANSI A21.53 and AWWA C-153 and shall be of a pressure classification at least equal to that of the pipe with which they are used. Fittings shall be mechanical joint conforming to ANSI 21.11 and AWWA C-111. Unless otherwise indicated, fittings shall have all bell mechanical joint ends. Fittings shall be designed with restrained joints. Concrete thrust blocks are not generally approved, except when deemed necessary by the NCWD.

VALVES

Gate valves shall be iron body, bronze mounted, double disc, side wedge type, non-rising stem with "O" ring seals. Valves shall be New York Pattern, metropolitan type conforming to the requirements of AWWA C-500. Resilient seat gate valves conforming to AWWA C-509 are acceptable. All valves shall have mechanical joint ends and shall open right or clockwise. Valves shall be approved by the Water District prior to installation and be equivalent to the type manufactured by Mueller, Inc. or a manufacturer approved by the Water District.

VALVE BOXES

All gate and valve boxes shall be operated through a North American made water valve box. The box shall consist of a cover marked "Water," a bell or flared base, and a 5 ¼-inch diameter flanged sliding topo. The valve box shall measure the length from the valve body to the finished grade plus six-inches. All valve nuts shall be centered and plumb in the box at a depth of between 4 ½-and-6-feet below final grade. Valves buried greater than 6-feet below final grade will require a centering extension rod drilled and tapped onto the valve nut.

VALVE BOX EXTENSIONS

Valve boxes may be brought to final grade utilizing 5 ¼-by- 12-inch valve box flanged extensions. Pioneer style extensions are not acceptable for this application.

TAPPING SLEEVES

The tapping valves shall be of the resilient seated gate type in conformance with the requirements of AWWA C-509. The valve shall be iron body, bronze-mounted, tapping by mechanical joint ends, equipped for manual operation and shall OPEN RIGHT—CLOCKWISE. Tapping sleeves shall be constructed of two cast iron or stainless steel sections for easy installation and are assembled around the main without halting service. The sleeve shall be furnished complete with joint accessories. The sleeve shall be of the mechanical type with a rated working pressure of 300psi. Tapping sleeves and valves shall be equivalent to the type manufactured by Clow Valve Co., M&H Valve Co., or Mueller.

HYDRANTS

Hydrants shall be American-Darling Model B-50 Mueller Centurion 200 conforming to the requirements of AWWA C-502. Hydrants will have a minimum 5 ¼-inch diameter valve opening and a 7-inch diameter barrel. Hydrants shall open left or counter clockwise and have 5' 6" depth of bury. Hydrants shall have two 2 ½" nozzles and one 5" nozzle.

GRANULAR FILL MATERIALS

Materials shall conform to the Commonwealth of Massachusetts "Standard Specifications for Highway and Bridges" latest edition.

CONCRETE

Materials shall conform to the Commonwealth of Massachusetts "Standard Specifications for Highway and Bridges" latest edition. Cement: Type 11 Portland cement conforming to ASTM C-150.

INSPECTION AND ACCEPTANCE

All materials and construction are subject to the approval of the North Carver Water District and/or its designated inspector. The contractor shall not cover any work prior to approval. The contractor is responsible for correcting all deficiencies to the satisfaction of the Water District and/or designated inspector. Approval shall in no way affect the obligation of the contractor to repair or renew subsequent deficiencies.

**CONSTRUCTION**

EXCAVATIONS

Excavations that cross or extend into the public right-of-way shall be saw cut and backfilled. Flowable fill shall not be used unless specifically permitted by the Carver DPW Director. Contractor is responsible for maintaining at least one lane of traffic flow using road plates or barricades. Trenches shall be excavated to the depth indicated on the drawings or as directed by the Water District or its designated inspector and in widths sufficient for laying of the mains and appurtenances. All pipes shall have a minimum of 4' 6" and maximum of 5' 6" of cover. Binder course shall be a minimum of 3-inches, set in place to accommodate a minimum of 2-inches of finished top course. Finished asphalt shall be rolled to a flat uniform surface. The DPW shall issue a road cut permit which may include additional conditions or requirements.

TRENCHING AND BACKFILLING

The minimum depth of cover over the spring line, crown or top of the pipe shall not be less than 4 ½-feet at the time of installation. The trench bottom and sidewalls shall be free of boulders, protruding ledge, stones larger than 4-inches, roots, trash, asphalt, debris or other unsuitable materials. Backfill materials shall be compacted in 12-inch lifts except where "flowable fill" is specifically permitted. Any trench or backfill that is unsuitable in the opinion of the District due to depth, wetness or clay content shall be rejected for use.

Trench bottoms shall be at a uniform depth to grade at installation. Irregular trench bottoms may be made uniform using a bedding material 6-inches in depth. Bedding material shall meet the same standards as the backfill previously described. Pipes shall be only in dry trenches. All open ends of pipe shall be closed off to prevent water, dirt, animals or other foreign substances from entering the pipe.

If used, wood sheeting shall not be withdrawn if driven below the midpoint of the pipe. Sheeting shall be cut off no lower than 1-foot above the top of the pipe.

Blasting, if required, shall be conducted in full compliance with all laws of the state and local ordinances. The contractor is responsible for obtaining all permits and ensuring public safety.

All valves and hydrants shall be set plumb in true vertical alignment and all valve boxes shall be installed vertically, centered over the operating nut. The elevation of the top shall be set to finished grade.

PLANS

Single Service: Plans for a single residential service shall be required. The proposed location of the water service shall be shown on the plan in relation to the dwelling and roadway. The precise location of the water service may be altered in the filed with the concurrence of the Water District. A detailed plan may be required for installations greater than 150-feet in length, that cross wet or wooded lots, are within 10-feet of a septic system, require a meter pit, or where a plan would benefit the Water District.

Water Mains: Request for water mains must be pre-approved by the Water Commissioners. The minimum main shall be 8-inch. The pre-approval of water mains requires the submission of plans prepared by a professional engineer. All plans shall contain the note: "Installation of all mains, valves, hydrants and services shall be in accordance with the latest published North Carver Water District Specifications and Rate Schedules." The Water Commission requires the submission of the following plans for approval:

1. **Technical Review Plans:** The review plans shall indicate the general layout of the water improvements in relation to other underground utilities and lots. A profile is not required. The plans shall contain all notes and details necessary for the District to review the plan.
2. **Field Plans:** The field plans are the review plans with all the revisions noted from the review process. Field plans are used by the Water Commission during pre-construction and construction activities for planning and inspection purposes. Construction plans are not acceptable for use as filed plans. During pre-construction and construction activities, the District may agree to, or require, minor modifications to the field plan if the revision benefits the District. Field plans shall be prepared on **1 sheet** and contain no non-water related information. Three copies of the field plan will be supplied directly to the Water Commission before the pre-construction site meeting.
3. **As-Built Plans:** As-built plans shall be submitted to the North Carver Water District upon completion of the work. As-built plans shall accurately reflect the installation of the water main. As-built plans shall be clearly marked as such. As-built plans will be used in retainage reduction inspections of the completed work. Submission of as-built plans to the Water Commission is required before the release of any water related securities held by the North Carver Water District. As-built plans shall be similar to field plans, but include the measurements, swing ties, depths and other information relating to the installation. As-built plans shall be prepared and stamped by a professional engineer or land surveyor in accordance with the requirements of the District.

## Appendix D
## North Carver Water District Fee Schedule of Charges

**Inspections:** $25 per service and $25 per callback

**Turn on/off:** $50 each time ($75 after hours)

**Cellar Repair:** $50 per hour, per man, plus parts ($75 after hours)

**Locating Gates & Services on Private Property:** $50 per hour ($75 after hours). No guarantee is given.

**Final Reading:** $20

**Pressure Testing:** $50 per hour, per man ($75 after hours)

**Water Main Filling and Flushing:** (preparation for pressure test and chlorination). $200 not including labor charges.

**Flushing Chlorine from Main:** Based on size of main—not including labor charges

4" = $250
6" = $300
8" = $350
12" = $400

**Water Service Application Fee:** $100

**Backflow Prevention Device Testing:** $75

**Cross Connection Survey:** $75 per hour; 1 hour minimum

**Annual Fire Protection Service Charge:** $1500 annually (based on a 6" connection).

**Temporary Service:** $1500 Plus the cost of any water used

**Private Fire Service Backflow Prevention Device Testing:** $75 Plus $3/sprinkler head

**Engineering costs for reviewing development/extension plans:** Plans shall be submitted with an initial $500 fee. The developer shall assume all costs in excess of the $500 for a complete review, if the size and nature of the project exceeds the minimum charge.