



WATER & SEWER COMMISSION

# PERMIT PACKAGE

Procedures Checklist

Permit Application

Rules & Regulations

Rules & Regulations Acknowledgment

3 North Main Street

P.O. Box 438

Assonet, MA 02702

508.644.4000

Fax: 508.644.2053



# WATER & SEWER COMMISSION

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## WATER PERMIT PROCEDURES

- Return completed permit with fee. *(fee includes trench inspection, final inspection meter, and remote)*
- Need first sheet of rules and regulations signed by the contractor and returned to...
- Two (2) sets of plans showing where proposed service line will be coming into the property.
- Copy of bond in the amount of \$20,000.00 to the Town of Freetown.
- Copy of liability insurance certificate from contractor.
- Copy of permit for trench.
- Copy of permit for plumber who is installing meter.
- Need to install a pressure reducing valve.
- Attend next scheduled meeting.
- Upon approval of water permit, and not before, you will be able to schedule date to begin.
  1. When ready for inspections, you must notify the Freetown Water & Sewer Commission (48) hours prior to inspection being needed.
  2. After trenching inspection you will be given a meter for the plumber to install.
  3. When ready for final inspection make sure plumber has hooded up the pressure reducing valve, meter and remote.
  4. If final inspection passes, the water will be turned on.
  5. Someone must be present for the final inspection.

~ I M P O R T A N T ~

*Only the Freetown Water & Sewer Commission is allowed to turn the water on and/or off. If the water is turned on and/or off by any unauthorized individual, they will be fined \$500.00 for each violation.*



# WATER & SEWER COMMISSION

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## WATER PERMIT

### APPLICATION TO INSTALL WATER LINE

Date: \_\_\_\_\_

Property Owner / Applicant: \_\_\_\_\_

Property Address: \_\_\_\_\_

\_\_\_\_\_ Phone: \_\_\_\_\_

Water Permits will be VOIDED after 3 Months

- Residential                      Number of bedrooms: \_\_\_\_\_
- Commercial                      Type: \_\_\_\_\_
- Industrial                      Type: \_\_\_\_\_

Projected water flow per day: \_\_\_\_\_ gallons

Applicant will not be relieved of any Rules & Regulations. Applicant will be responsible for any damage to Town property and/or property surrounding work area. Applicant relieves ALL Water & Sewer Commissioners and staff from any problems between applicant and installer.

Installer's Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Installer's Address: \_\_\_\_\_

Fee: \_\_\_\_\_ Signature \_\_\_\_\_

Authorized by Water & Sewer Commission: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## ~ I M P O R T A N T ~

INSTALLER shall not begin work until permission is granted from Town Selectmen or State officials, depending if road is State or Town owned.

1. All water lines MUST be inspected by one Water Department representative BEFORE backfilling.
2. Water meter MUST be installed BEFORE water is turned on.
3. Water Commission will have all rights to inspect property if they believe there is a violation existing.
4. Curb shut off valves MUST be open for inspection at all times and MUST NOT be covered with any soil or debris.



WATER & SEWER COMMISSION

# RULES & REGULATIONS

3 North Main Street . P.O. Box 438 . Assonet, MA 02702  
508.644.4000 . Fax: 508.644.2053

Approved	June 18, 2001
Amended IV.1	August 6, 2001
Amended at A	July 17, 2006
Amended IV.2	March 30, 2009



# WATER & SEWER COMMISSION

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## I GENERAL INFORMATION

**I.1 APPLICATION FOR WATER SERVICE:** submit completed application with fee and plan showing work to be done at the office of the Freetown Water & Sewer Commission. A plot plan from the Assessor's Office or from the Building Department can be used showing the property landmarks and dimensions from the tap, shut-off, and the line to the residence or business, along with the length of the line, the tap, and size of the meter to be used.

**I.2 RIGHT OF ENTRY:** owners or occupants of any commercial, industrial, or residential premises served by the Town of Freetown's water system shall allow authorized entry to their premises without a warrant for the purpose of inspecting and surveying their water system for new installations, cross connections, etc. All consumers must keep water pipes and fixtures in good repair and protected from frost at their expense. Consumers shall be held liable for any damages resulting in failure to do so. If such access is refused, the water shall be shut off and not turned on until access has been allowed and fees have been paid for shutting off and turning on the water.

**I.3 CONDITIONS UNDER WHICH SERVICE IS FURNISHED:** The Town does not guarantee constant pressure nor uninterrupted service, nor does it assure the Consumer either a full volume of water or the required pressure necessary to effectively operate hydraulic elevators, sprinkler systems, or other appliances, the same being subject to the variable conditions that occur in the supply of water to the Town's water system.

**I.4 NO LIABILITY FOR INTERRUPTION OF SERVICE:** No Consumer shall be entitled to damages or to have payment refunded for any interruption of supply occasioned by accident to any portion of the works, by shutting off for the purpose of additions or repairs to the works or by the stoppage or shortage of supply due to causes beyond tile control of the Water Commission, such as excessive use, leaks or defects in the pipes.

**I.5 NO LIABILITY FOR DIRTY WATER:** The Town assumes no liability for conditions, which exist in Consumer's pipes and may cause trouble with or following the repairs of any main, service pipe, meter or other appliance.

**I.6 NO LIABILITY FOR CONSUMER'S PIPES:** The Town assumes no liability for conditions, which exist in Consumer's pipes and may cause trouble coincident with or following the repairs of any main, service pipe, meter or other appliance.

**I.7 NO LIABILITY FOR COLLAPSED BOILERS, ETC:** The Commission reserves the right at any time and without notice to shut off the water in the mains for purposes of making repairs, extensions, or for other necessary purposes. Consumers 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. It is expressly stipulated that the Commission will not be liable for any damage resulting from water having been shut off, either through accident or necessity.

**I.8 NO LIABILITY FOR SHUTTING OFF WATER WITHOUT NOTICE:** When it becomes necessary to shut off the water from any section of Town because of an accident, or for the purpose of making changes or repairs, the Commission shall endeavor to give timely notice to as many of the consumers affected, as time and the character of the repairs or the accident will permit, and shall, so far as practical, use its best efforts to prevent inconvenience and damage arising from any such cause. However, failure to give such notice shall not render the Commission responsible or liable for any damages that may result from the shutting off of water or any coincident condition.

## II CHARGES

**II.1 DATE OF CONSUMER'S LIABILITY TO PAY:** A minimum charge shall be assessed for water service from the date the water is turned on whether the water is used or not.

**II.2 CHARGE FOR TURNING WATER ON OR OFF:** A charge shall be made for turning on or shutting off water.

**II.3 COLLECTIONS OF MISCELLANEOUS WATER CHARGES:** All bills for labor or material on consumers' property and charges for shutting off or turning on water shall be subject to the same conditions as bills for water.

**II.4 NO BUSINESS WITH DELINQUENTS:** No person who 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 costs shall include incurred interest.

**II.5 ALL WATER TO BE METERED AND TO BE PAID:** All water must be metered and paid for whether used or wasted. A minimum charge shall be assessed for water service from the date the water is turned on.

**II.6 WHEN METER IS OUT OF ORDER:** If a meter fails to register, the Consumer shall be charged at the average daily consumption as shown by the meter when in order.

## III METERS

**III.1 METER INSTALLATION:** All meters shall be installed by a licensed plumber at the expense of the Consumer. The meter shall be supplied by the Water Commission Office upon approval of the permit. The Consumer shall keep the meter in good repair and protected from frost at their own expense, or the cost for replacement or repair shall be borne by the Consumer. A shut-off valve at the meter inlet shall be the first fitting inside a serviced building. A stop valve shall be installed near the outlet of the meter, by the Consumer, at their expense, to permit removal of the meter without backflow from the internal water system. No valves or devices of any sort shall be set on the street side of the meter, except an approved type of shut off.

**III.2 METER SIZE:** The proper size, type and kind of meter required for any given service shall be approved by the Commissioners.

**III.3 METER PITS:** The installation of meter pits shall be at the consumers' expense, to conform to 310 CMR, or as advised by the Commission.

No devices shall be installed in pits except as specifically approved by the Commission, its designee or public water system in cases of unique circumstances, and must comply with all OSHA standards where applicable for work in confined spaces then only as follows:



1. the pit interior shall be a minimum of ten feet long, six feet wide, and must have a clear height six feet high;
2. the pit must be watertight;
3. the pit opening and manhole cover must be at least 30 inches in diameter;
4. the foothold inserts must be of steel, aluminum, or other material approved by the Commission, must be a maximum of 12 inches apart, and must be installed so that the top foothold is within 12 inches of the manhole cover and the bottom foothold is within 12 inches of the pit door;
5. an adequate drain must be installed and the drain line shall not be connected to a sewer;
6. the pit floor shall be pitched to the drain;
7. if built in a roadway, the top of the pit must be adequately reinforced.

**III.4 TOWN'S RIGHT TO CHANGE METERS:** If, in the opinion of the Commission, a meter does not fit the conditions of the service installation, the Commission has the right to change such meter. Such change shall be made in accordance with current regulations and paid by the Consumer. Fee shall be cost of meter plus 2 man-hours of labor.

**III.5 METER REPAIR:** The Commission shall have the right to remove, repair or replace any meter at any time it so determines. All meter installations on services which cannot be shut off for meter repairs shall be equipped with a metered by-pass at the expense of the Consumer.

**III.6 METER ACCESS:** All consumers shall ensure that meters shall be readily accessible at all times. Failure to remove any obstruction which prevents access to the meter within three (3) days after being notified by the Commission shall cause the water to be shut off to the premises and it shall not be turned on until all obstructions are removed, all regulations are complied with, and all expenses for shutting off and turning on the water are paid.

## **IV SERVICE, PIPES, AND FIXTURES**

**IV.1 SERVICE PIPES:** 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 any waste of water. All fittings supplied by the Commission to the Consumer shall be billed to the Consumer. Inspections are only to be done Monday through Thursday during normal business hours from 8:00 a.m. to 4:00 p.m. **Notice must be given to Commission 48 hours prior to inspection.**

**IV.2 SERVICE LINE FROM CURB STOP TO BUILDING:** For health and public safety the following standards are required: Copper or 200 psi black poly piping run uninterrupted from service stop through foundation to location in the building. The use of tracing wire or tracing tape is to be used. It will be strictly prohibited to tie into old well service lines, suction lines, or make connections to old well lines in the well or beyond the well. All old well connections must be completely abandoned and capped and they should not be connected to the household plumbing system in any way. These old suction lines may not hold the increased water pressure which will now be experienced. In an effort to avoid cross connections to old wells through ground water supplies and to prevent backflow, these requirements are being established. There has to be a pressure reduction valve and commercial establishments may be required to have a backflow prevention device.

**IV.3 INSPECTION OF SERVICE PIPES:** All new service pipes must be inspected by the Commission before covering the trench. All pipes and trenches shall meet the approval of the Commission.

Installation of services beyond the end of an existing water main shall not be allowed. The main must be extended (including necessary hydrants and appurtenances) to the furthest limit of the consumer's property at their expense. Water mains shall be looped when required by the Commissioners.

**IV.4 VALVES:** On approved dead end water mains, a gate valve shall be located with a hydrant within fifteen feet (15') of the dead end. The gate valves shall be a product of the Mueller Valve Co., Decatur, Illinois or Kennedy Valve Manufacturing Co., Elmira, New York, or an approved equal. They shall conform to AWWA Standard C509 "Resilient-Seated Gate Valves for Water Supply." They shall be designed for a working water pressure of 175 psi for sizes up to sixteen inches (16") in diameter.

All valves shall have a two inch (2") operating nut, mechanical joint hubs (except for wet taps), and open in a counter clock-wise direction. If shallow depth of bury or other conditions of service require that the valve be installed in a horizontal position, a nut operated bevel gear shall be fitted to the valve for service operation through a valve box.

Water mains at all street intersections shall have gate valves installed on all sides of each tee or cross, fitted with gate valves, boxed adjusted to finish grade. No one shall operate gate valves in water mains except the Commission.

No dead ends shall be permitted. On dead end streets the full size water main shall be extended through easements to connect with existing water mains whenever possible, or when authorized by the Commission.

If a manhole is required in place of a gate valve box for access to the operating nut on a gate valve, the expense shall be born by the Consumer.

**IV.5 BUTTERFLY VALVES:** The butterfly valves shall have a cast-iron body and shall conform to the AWWA specifications for Rubber-Seated Butterfly Valves, Designation: C504, except as otherwise specified herein. The butterfly valves shall be manufactured by Allis-Chalmers Co., Milwaukee, Wisconsin; Henry Pratt Co., Chicago, IL; or BIF Industries, Inc., Providence, RI, or an approved equal. The valves shall have mechanical joint ends when buried and flanged ends where exposed.

The valves shall be class 150B and suitable for a non-shock shut-off pressure of 150 psi. The valves shall provide bubble-tight shut-off at 200 psi when tested for leakage in accordance with the above mentioned AWWA C504. The valve shall be rejected if it does not pass this test.

Butterfly valve designs utilizing continuous lining on the internal body surfaces and extending over the flanges, will NOT be acceptable. Valve disks shall seat at an angle of 90 degrees to the axis of the pipe.

Valve seats shall be of molded natural rubber. Rubber seats may be attached to the body or the disk. If the rubber seat is attached to the disk, the seat ring on the body shall be of stainless steel. The valve disk shall be of either cast Ni-Resist or cast iron Class 40 conforming to ASTM A48-Specification for Cray Iron Castings.

Rubber seats mounted on the disk shall be securely clamped to the disk. All clamps, retaining rings, and their fasteners shall be Series 300 stainless steel.

The valve shaft shall be Type 300 stainless steel or carbon steel with stainless steel joints. The valve disk and shaft connection shall be by means of mechanically secured taper pins extending through the disk and shaft. Taper pins, lock-washers and nuts shall be 18-8 stainless steel. The shaft seals shall be designed for the use of standard chevron type packing or standard O-ring seals.

The manual operating mechanism shall be firmly fixed to the valve body. The operator shall be permanently lubricated, shall be totally enclosed with a cast-iron case, and the hand wheel or nut for buried valves shall turn counter-clockwise to open. The operator for buried valves shall be suitable for submersion. The operator shall have adjustable treaded collars at each end of stroke.

**IV.6 VALVE BOXES:** Each valve shall be provided with a box. Covers shall be close fitting and substantially dirt-tight. The top of the cover shall be flush with the top of the box rim. An arrow and the word OPEN to indicate the direction of turning to open the valve shall be cast in the top of the cover.

Valve boxes shall be cast iron and of the adjustable, heavy pattern type. They shall be so designed and constructed as to prevent the direction transmission of traffic loads to the pipe or valve. The upper or sliding section of the box shall be provided with a flange having sufficient bearing area to prevent undue settlement.

The lower section of the box shall be designed to enclose the operating nut and stuffing box of the valve and rest on the backfill. The boxes shall be adjustable through at least six inches (6") vertically without reduction of lap between sections to less than four inches (4").

The inside diameter of boxes shall be at least 4 ½" and the lengths shall be as necessary to suit the ground elevation (normal pipe cover 4 ½').

**IV.7 SETTING BURIED VALVES:** Buried valves and valve boxes shall be set plumb and centered with the valve boxes directly over the valves. Earth fill shall be carefully tamped around the valve box to a distance of four feet (4') on all sides of the box or to undisturbed trench face, if less than four feet (4').

**IV.8 TAPPING SLEEVE AND VALVE:** The tapping sleeve and valve shall consist of a split cast-iron sleeve tee with mechanical joint ends on the main and a flange on the branch and a tapping-type gate valve with one flange and one mechanical joint end. The valve shall conform to the requirements hereinbefore specified for gate valves and shall be furnished with a two inch (2") square operating nut. The contractor shall be responsible for verifying the outside diameter of the pipe to be tapped.

The valve shall be provided with an oversized seat to permit the use of full size cutters. Before backfilling, all exposed portions of any bolts used to hold the two halves of the sleeve together shall be heavily coated with two coats of bituminous paint comparable to Inertol No. 66 Special Heavy. Sleeves shall be of cast iron furnished with lead gaskets equipped with embossed rubber stripping. Gaskets shall cover the entire area of flange surfaces.

Tapping Sleeves and valves shall be made by Ludlow-Rensselaer Valve Co., Inc., Troy, NY; Eddy-Iowa Division, James B. Clow & Sons, Inc., Chicago, IL; A.P. Smith Mfg. Co., East Orange, NJ; or Mueller Valve Co., Decatur, IL; or be approved equal products.

The minimum size for water mains shall be 8" diameter, ductile #52, or as determined by the Commission.

**IV.9 SERVICE PIPE:** On Town accepted roads, new service connections shall be made and brought to the Consumer's property line, at the property owner's expense, after approval of the Permit, by a Contractor approved by the Commission. The Consumer shall be charged the current rate for the Application and Permit Fee.

**IV.10 TEMPORARY SERVICE:** Water may be furnished temporarily from an adjacent service, if approved by the Commissioners, and done at the expense of the Consumer.

**IV.11 CHARGES FOR REPAIRS:** The pipe from the street to the building (or all pipe beyond the Town property line, including meter pits and curb-boxes) is the property of the Consumer, and all repairs to the same shall be made at the Consumer's expense.

**IV.12 ONE SERVICE TO EACH PREMISES:** Only one (1) service connection shall be made to each dwelling unit located in a building, or to each commercial or industrial building.

**IV.13 REQUESTS FOR TURNING ON OR SHUTTING OFF WATER:** Requests for turning on, or shutting off, a water service shall be made in writing 24 hours in advance, except in case of an emergency. Consumers shall be charged for each such service. Only Commissioners, or their personnel, shall open or close curb cock. Requests for turning on, or shutting off water, shall be billed.

**IV.14 SERVICE PIPE TRENCHES:** Service pipes shall not be placed within ten (10) feet of any other utilities, except under special conditions to be determined by the Freetown Water Commissioners. The Water Commission shall not be responsible for damage to other utilities laid within ten feet (10') of a water service or water main.

**IV.15 FIRE HYDRANTS:** The use of fire hydrants is restricted to members of the Fire Department and to employees of the Commission. Other persons may use the fire hydrants only with the specific permission of the Commissioners.

Hydrants shall conform in design and manufacture to the latest issue of AWWA standard C502-73 "Fire Hydrants for Ordinary Water Works Service." They shall have one 4 ½" pumper and two 2 ½" hose connections with a 6" mechanical joint connection. The hydrant shall be equipped with a 5 ¼" main valve and shall open right (clockwise.) They shall be thoroughly cleaned and given two shop coats of paint. Color: RED. The valves shall be thoroughly cleaned, painted as specified, given shop finish of an asphalt varnish conforming to Federal Specification TT- V-51C. Ferrous surfaces not to be painted shall be given a shop coat of grease or other suitable protective coating.

The hydrant with its buried valve and valve box shall be set plumb and centered with the valve box directly over the valve. Backfill around the hydrant and valve shall be thoroughly compacted to a distance of four feet (4') on all sides of the box, or to the undisturbed trench face, if less than four feet (4'). The hydrant and connecting pipe shall have at least the same depth of cover as the distributing main. The hydrant shall be set upon a slab of stone or concrete not less than four inches (4") thick and fifteen inches (15") square. The side of the hydrant opposite the pipe connections shall be firmly wedged against the vertical face of the trench with a concrete thrust block as indicated on the drawings. No less than ten (10) cu. Ft. of broken stone shall be placed around the base of the hydrant at the location of the drain holes. Backfill around the hydrant shall thoroughly be compacted to the grade line in a satisfactory manner. Hydrant and valve shall have the interiors cleaned of all foreign matter, before installation; and shall be inspected in open and closed positions. If extensions are needed for proper elevation, they shall be furnished and installed at the contractor's expense.

All hydrants shall be mechanically connected to the water main using a main line tee, fitted to take a six inch (6") mechanical joint cement-lined cast-iron pipe to the hydrant.

Approved fire hydrants shall be installed at intervals of not more than five hundred (500') feet by way of proposed streets and where designated by Commission.

**IV.16 HYDRANT METER:** All contractors will be responsible for security of the ABB hydrant meter with a \$1000.00 deposit fee, and payment of the water used.

**IV.17 CROSS CONNECTION CONTROL:** If, in the opinion of the commissioners, the installation of an approved backflow preventer(s) on the property side of a meter is considered necessary for the safety of the water system, such approved device(s) shall be immediately installed at the expense of the Consumer after due notice in writing has been given to the Consumer by the Commission. Said device(s) shall be installed and tested in accordance with the drinking water regulations of Massachusetts, 310 CMR 22.22. All tests performed by the Division shall be charged as set forth in Attachment "A."

A pressure reducing valve must be installed and you must have back flow protection for boilers.

Purpose. The Commission's purpose in establishing a comprehensive distribution protection program is to prevent the contamination of drinking water to the last free flowing outlets or consumer's tap. For this reason, the commission strongly advocates the elimination of all cross connections. The installation of backflow prevention devices does not eliminate a cross connection. The installation of back flow prevention devices is a solution when re-plumbing or repiping is not feasible. All cross connection protection devices shall be approved and permitted in accordance with 310 CMR 22.22, as set forth at 310 CMR 22.22(5) and 310 CMR 22.22(8)(b) each owner of such device shall apply for and be issued a permit.

**IV.18 RIGHT OF ENTRY:** All owners or operators of private homes, commercial, industrial or institutional premises served by a public water supply system shall authorize agents and employees of the Freetown Water Commission upon presentation of their credentials, to enter their premises without a warrant for the purpose of inspection and surveying their water systems for cross connections and assuring compliance with 310 CMR 22.22, whether or not the Freetown Water Commission has evidence that the system is in violation of an applicable legal requirement.

## V SPECIFICATIONS FOR LAYING WATER MAINS

**V.I PIPE AND FITTINGS:** All pipe shall conform in design and manufactured to the latest issue of AWWA standard C52 "Ductile-iron Pipe, Centrifugally Cast, for Water or Other Liquids." Pipe shall have a pressure class of 350.

All fittings shall be ductile-iron and conform in design and manufactured to the latest issue of AWWA standard C52.

All pipe and fittings shall have a Cement-Mortar lining for Ductile-Iron pipe and fittings for water.

Push on and Mechanical joints are permitted and shall conform in design and manufactured to the latest issue of AWWA standards "Rubber-Gasket joint for Ductile-Iron pressure pipe and fittings."

A curb stop must be installed for each property the water main goes by.

No subdivision water supply main shall be connected to any public water supply main of the Commission except as specifically directed, inspected and approved. The Consumer shall be responsible, or liable, for the operation, maintenance, or satisfactory performance of the installation until the Town shall accept the water main as part of the water system of the Town of Freetown by vote at Town Meeting.

**V.2 COVER OVER PIPE:** Pipe shall have five feet (5') of cover measured to finish grade of the street. Pipe to be hand-covered one foot (1') with sand or stone free gravel and compacted and tamped around pipe to give good support and protection.

In case of any excavations in swamp, or when unsuitable material is encountered, the Contractor shall replace same with a good material to provide proper support and alignment of the pipe line. In some cases, the Contractor shall use crushed stone for a good bedding. Trench backfill shall be suitable material taken from the excavation, approved common borrow or processed gravel hauled in.

**V.3 LEDGE:** All ledge shall be removed to a width two feet (2') greater than the diameter of the pipe and one foot (1') below the underside of the pipe. A bed of sand shall be placed in the trench prior to laying pipe.

**V.4 BLASTING:** The Freetown Water commission is to be notified forty-eight (48) hours prior to blasting. All blasting shall be completed within a distance of fifty feet (50') from any water service or water main.

**V.5 SURVEY MARKERS:** Survey markers (line and grade) shall be required on all newly proposed streets. Pipes shall be laid within the roadway layout (or easement) as shown on plans approved by the Town of Freetown.

**V.6 EXCAVATION WITHIN PUBLIC WAYS:** A street opening permit shall be obtained from the Board of Selectmen BEFORE any excavation can begin within any Town-accepted street. The culling of roads should not be done after November 17th, nor before April 1st, except in such cases deemed an emergency by the Water Commission. The work shall be performed in accordance with the permit.

A street opening permit shall be obtained from the Massachusetts Department of Public Works before any excavation can begin within any District 5 State Highway. The work shall be performed in accordance with the permit.

**DIG SAFE shall be called prior to doing any excavation,** to obtain a "DIG SAFE" number. This number should be given to the Water Commission office.

**V.7 SERVICE PIPES:** Pipe shall have five feet (5') of cover measured to finish grade of the street. Pipe to be hand-covered one foot (1') with sand or stone free gravel and compacted and tamped around pipe to give good support and protection.

Each property shall have its own separate service, consisting of a corporation stop, curb stop, curb box, cellar valve, meter and remote register. The service pipe shall be at least 1" Type K copper in accordance with "Underground Service Lines, Valves and Fittings" AWWA C800 latest edition.

Use of any other material is subject to approval by the Water Commission. No sweat fittings shall be allowed between the street main and the meter regardless of the meter location. Where the service length is 275' or greater, the size of the service pipe shall be subject to approval by the Commission and a meter pit at the street line is required at the discretion of the Commission.

Service pipes will be allowed after the curb stop. At meter pit locations and shall be either copper or plastic tubing size with a minimum of 200 psi bursting pressure.

**V.8 TESTING:** Before acceptance by the Commission, the pipe shall be pressure tested and chlorinated in accordance with "Installation or Ductile-Iron Water Mains Appurtenances" AWWA Designation C600 latest edition.

No one shall pressure test or chlorinate an installation WITHOUT notifying the Commission at least 48 hours prior. An employee of the Commission must be present for the duration of pressure test and chlorination to witness and sign the results. All pressure test reports shall consist of the actual distance of pipe by size, number of valves and hydrants.

Samples of water taken after the disinfection of the water pipes shall be delivered to a testing laboratory approved by the Commonwealth of Massachusetts, at the expense of the Contractor. Copies of tile test results shall be delivered to the Commission who shall then determine whether the pipes may be connected to tile Town's water system.

**V.9 BACKFILLING TRENCHES:** As soon as practicable after the pipes have been laid, backfilling shall be started. At his own risk the Contractor may backfill the entire trench including backfill at joints. He shall, however, be responsible for removing and replacing such backfill at his own expense in order to locate, repair, or replace leaking or defective joints or pipe.

Backfill of the trench up to a level of twelve inches (12") above the top of the pipe shall be done by hand shovel with earth fill free from stones having any dimension greater than three inches (3"). This area shall be thoroughly compacted before the remainder of the trench is backfilled. Compaction of the zone around the pipe shall be done by use of power-driven tampers weighing at least 20 pounds. Care shall be taken that material close to the bank, as well as in all other portions of the trench, is thoroughly compacted to a density of 95 percent. Tree stumps or roots will be considered unsuitable material for backfilling of trenches. No stone, rock or pieces of bituminous pavement larger than three inches (3") in greatest dimension shall be placed in the backfill, nor shall large masses of backfill be dropped into the trench in such a manner as to endanger the pipeline. If excavated material is unsuitable for backfilling, the Contractor shall supply gravel to complete the backfilling.

The remainder of the trench above the zone around the pipe shall be backfilled and compacted. Compaction of backfill in the remainder of the trench shall be done in layers not exceeding six inches (6") in depth and by use of power driven tampers weighing at least 50 pounds. Water jetting and puddling shall be used only when approved by the Commission.

**V.10 RESTORING TRENCH SURFACE:** Where the trench occurs adjacent to paved streets in shoulders, sidewalks, or in cross-country areas, the contractor shall thoroughly consolidate the backfill and shall maintain the surface as the work progresses. If settlement takes place, he shall immediately deposit additional fill to restore the level of the ground. Adjacent to streets and highways the top 12" layer of trench backfill shall consist of processed gravel. If, in the opinion of the Commissioner/Inspector the top 12" layer is unsuitable for use as sub grade, or shoulder material; he may order the contractor to remove this layer and to provide gravel sub base. The Contractor shall maintain repair to the trench for one year from the date of surfacing or backfilling.

**V.11 STATE HIGHWAY PAVING:** The Contractor has to conform with State Highways paving regulations in accordance with the "Commonwealth of Massachusetts, Highway Department, Standard Specifications for Highways and Bridges, 1988 Edition as amended. " The Contractor shall notify the District Office of the Massachusetts Highway, District 5.

**V.12 PAVEMENT MAINTENANCE AND REPAIR:** If points of settlement, or holes, appear in the temporary pavement, binder course pavement, or top course pavement, the contractor shall repair the same within 24 hours of notification by the Commission at his expense. In emergency situations, the Contractor shall make repairs immediately.

**V.13 SIDEWALK AND CURBING REPLACEMENT:** Where the replacement of sidewalks is required, the Contractor shall construct either bituminous concrete sidewalks or cement concrete sidewalks, as determined in the field, the required lines and grades and in accordance with these specifications.

If applicable, the Contractor shall restore gravel sidewalks to a condition at least equal to that before the work was started.

**V.14 UNSUITABLE MATERIAL:** If material unsuitable for use in trenches is found, as determined by the Water Commission, the contractor shall remove such material to the required width and depth and replace it with thoroughly compacted processed gravel as directed.

Material shall be sand, small stone gravel, or in the case of installation below the water table, bedding shall be 1/4" or 1/2" approximate sized stone from a depth of six inches (6") below the bottom of the water main to a point equal to the top of the water main and the full width of the trench. The trench shall be dewatered to allow the bedding stone to be placed on a firm bottom and the pipe installed without getting trench water in the pipe.

## **VI AS-BUILTS**

Must be submitted at the completion of the construction showing all water gate boxes for mains, services and hydrants.

A minimum of two ties to permanent structures will be required to determine their location. If in the opinion of the Commissioners, the as-builts are considered illegible, the applicant must resubmit the plans prior to any release of bonds.



## VII VIOLATIONS

**VII.1 REGULATIONS:** Any violations of these regulations may result in the Commission ordering the shutting off of the water to the violator's premises. When the water has been shut off for violations of rules, or their offense, it shall not be turned on again until the Commission is satisfied that there shall not be further cause of complaint and charges have been paid to cover the cost of shutting off and turning on the water.

**VII.2 BACKFILLING:** Without an inspection by the Commission will be a \$300 fine.

**VII.3 CROSS CONNECTIONS:** Any consumer found to be in non-compliance with the drinking water regulations of Massachusetts, 310 CMR 22.22 shall be punished by the Commonwealth of Massachusetts Department of Environmental Protection by a fine of not more than \$25,000 for each day that violation occurs or continues.

**VII.4 TURN ON WATER:** For any unauthorized person turning on water to a line and/or service there will be a \$300 fine. Only Freetown Water Commissioners, and authorized operators, are authorized to turn on water at the curb stops.

**VII.5 TREATMENT:** No treatment shall be added to water supplied by the Town, subject to a fine established by the Water Commissioners for individual offenses.

## VIII WATER BAN

Shall mean a state of water supply emergency declared by The Department of Environmental Quality Engineering pursuant to (M.G.L. Ch. 21G, Sec. 15, M.G.L. C111, Sec. 160), or by the Governor, by implementing a mandatory water ban during any emergency condition. Any consumer found in violation of a water ban shall be fined as follows:

- 1st offense - written warning
- 2nd offense - \$50.00
- 3rd and any subsequent offense - \$100.00

## IX UNAUTHORIZED WATER USE

Whoever unlawfully and intentionally injures a water meter or prevents such meter from registering the quantity of water supplied through it or uses or causes to be used water without consent of the Commission shall be fined \$300.00 dollars for each offense.



WATER & SEWER COMMISSION

**RULES & REGULATIONS**

A C K N O W L E D G E M E N T

I certify that I have received a copy of the above titled "Rules & Regulations" and agree to abide by them.

\_\_\_\_\_  
Contractor

\_\_\_\_\_  
Job Location

\_\_\_\_\_  
Date

I have obtained a Road Cutting Permit

\_\_\_\_\_                      \_\_\_\_\_  
Yes                                      No

And called for a Dig Safe Number

# \_\_\_\_\_