

ARTICLE III

BUILDING SEWERS AND CONNECTIONS

Section 1.) Prohibitions. No unauthorized Person shall uncover, make any connections with or opening into, use, alter, or disturb any Public Sewer or appurtenance thereof without first obtaining a written license from the Board. Any Person proposing a new discharge into the Sewage Works or a substantial change in the volume of character of pollutants that are being discharged into the Sewage Works shall notify the Superintendent at least forty-five (45) days prior to the proposed change or connection in order to obtain approval. No person shall break, cut or remove any pipe of the Public Sanitary Sewer, or make or cause to be made any connection to said sewer except through the connection branches provided for that purpose, unless in another manner approved by the Board.

Section 2.) Permits. There shall be two (2) classes of Building Sewer permits: (a) for residential, and (b) for service to establishments producing Industrial and/or commercial Wastes. In either case, the Applicant or his agent shall make an application on a special form furnished by the Town. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the Superintendent. A permit and inspection fee equal to the cost of inspection, as determined by the Board, shall be paid to the Town at the time the application is filed. Said permit shall be valid for no more than six (6) months from date of issue.

No licensed Drain Laying contractor shall have more than 5 permits outstanding at any time per each certified Drainlaying Supervisor.

One copy of the permit shall at all times be available for inspection at the site of the work.

Drain Layers shall only install Building Sewers during the normal working hours of the Sewer Department. Emergency working hours shall be approved by the Board.

Section 3.) Installation Cost Borne by Owner. All costs and expenses incidental to the installation, inspection by the Superintendent, and connection of the Building Sewer shall be borne by the Owner. The Owner shall indemnify the Town from any loss or damage that may directly or indirectly be occasioned by the installation and connection of the Building Sewer.

Section 4.) Separate Building Sewers Required. A separate and independent Building Sewer shall be provided for every building; except where one building stands at the rear of another or on an interior lot and no private Building Sewer is available or can be constructed to the rear of the building through an adjoining alley, court, yard, or driveway, the Building Sewer from the front building may be extended to the rear building and the whole considered as one Building Sewer, with the written approval of the Board. A manhole shall be constructed at the junction of the front Building Sewer and the rear Building Sewer.

Section 5.) Existing Building Sewers. Old Building Sewers may be used in connection with new buildings only when they are found on examination and test by the Superintendent to meet all requirements of this ordinance.

Section 6.) Method of Construction. The size, slope, alignment and materials of construction of a Building Sewer, and the methods to be used in excavating, placing of the pipe, jointing, testing and backfilling the trench shall all conform to the requirements of the building and plumbing codes or other applicable rules and regulations of the Town. In the absence of code provisions or in amplification thereof, the materials and procedures set forth in appropriate specifications of the American Society of Testing Materials (A.S.T.M.) shall apply, except that the following pipe shall be used: -

Material

- A.) Extra heavy cast-iron soil pipe
- B.) Cast-iron pipe (Class 150)
- C.) Ductile Iron pipe
- D.) Extra strength vitrified clay sewer pipe
- E.) Service Weight C.I. Pipe
- F.) Polyvinyl Chloride (PVC) SDR 35

No other pipe may be used.

Minimum size and slope of pipe for class A* user shall be as shown on the typical building connection diagram herein enclosed. Minimum size and slope of pipe for Class B* users shall be as determined by the Board at the time the Building Sewer Permit is issued.

Joints shall be tight and waterproof. No cement mortar joints will be permitted. Cast-iron pipe with leaded joints may be required by the Board where the Building Sewer is exposed to damage by tree roots. If installed in filled or unstable ground, the Building Sewer shall be if Ductile Iron Pipe, except that nonmetallic material may be accepted if laid on a suitable concrete bed or cradle as approved by the Board.

*Class A user shall include all residences which are three (3) family residences or less and Class B users shall be all users not included in Class A.

Any sewer line laid within ten (10) feet of a domestic water line shall be a cast-iron pipe. A rubber compression joint-type or approved equal may be used. A six (6") inch concrete envelope around vitrified clay pipe is also acceptable.

Section 6A.) Relation to Water Mains.

1.) "Horizontal Separation: Whenever possible, sewers shall be laid at least 10 feet, horizontally, from any existing or proposed water main. Should local conditions prevent a lateral separation of 10 feet, a sewer may be laid closer than 10 feet to a water main if: -

a.) If it is laid in a separate trench, or if

b.) It is laid in the same trench with the water mains located at one side on a bench of undisturbed earth, and if

c.) In either case the elevation of the top (crown) of the sewer is at least 18 inches below the bottom (invert) of the water main.

2.) Vertical Separation: Whenever sewers cross under water mains, the sewer shall be laid at such an elevation that the top of the sewer is at least 18 inches below the bottom of the water main. When the elevation of the sewer cannot be varied to meet the above requirement, the water main shall be relocated to provide this separation or reconstructed with mechanical joint pipe for a distance of 10 feet on each side of the sewer. One full length of water main should be as far from the sewer as possible.

3.) When is it impossible to obtain proper horizontal and vertical separation as stipulated above, both the water main and sewer shall be constructed of mechanical joint cast-iron pipe, or cement lined ductile iron and shall be pressure-tested to assure water tightness."

Section 7.) Connection to the Building Waste Piping. Whenever possible, the Building Sewer shall be brought to the building at an elevation below the basement floor. In all buildings in which any Building Waste Piping is too low to permit gravity to flow to the Public Sewer, Wastewater carried by such Building Waste and discharged to the Building Sewer. Such lifting devices, piping and appurtenances within private property shall be installed and maintained by the Owner, with no liability assumed by the Town of Grafton.

All changes in direction shall be made only by Boston Tee Wyes, cleanouts or cleanout manholes. No Building Sewer shall be laid parallel to and within five feet (5') of any bearing wall.

All construction for new buildings which shall commence after January 1, 1979, shall have the Building Waste Piping Exit the building through the basement floor and connect with the Building Sewer at an elevation below the basement floor whenever possible.

Section 8.) Prohibited Connections. No Person shall make connection of roof downspouts, exterior foundation drains, areaway drains, or other sources of surface runoff or groundwater to a Building Sewer which is turn is connected directly or indirectly to a Sanitary Sewer. All interior cleanouts shall be six inches (6") above the basement floor.

Section 9.) Method of Pipe Laying and Backfilling. All pipe shall be laid in a six-inch (6") screened gravel envelope. In instances where groundwater may back up into the basement, a well-compacted backfill seal may be placed around the cast-iron portion of the Building Sewer, at the building. Backfill shall be placed in two-foot (2') layers and each layer shall be well compacted. Minimum cover for Building Sewers shall be forty-eight inches (48").

No blocks or stones shall be used to support the pipe.

When water is present in a trench, a sump of crushed stone shall be constructed, and water shall be pumped at all times. The trench shall be kept dry at all times during construction.

At all times when pipe installation is not in progress, the open ends of the pipe shall be closed with temporary watertight plugs or by other approved means.

All joints and connections shall be made watertight.

“No bell” cast-iron pipe is prohibited.

All joints in vitrified-clay pipe or between such pipe metals shall be made with approved premolded gasket joints.

The connection of the Building Sewer into the Public Sewer shall be made at the “Y” branch, if such branch is available at a suitable location. If no branch is available, a connection may be made by tapping the existing sewer by an approved method, then inserting an approved vitrified-clay “Y” or “T” saddle. Cutting the hole in the pipe by hand is prohibited. “Mission Couplings” or similar are acceptable for installing Wyes.

Section 10.) Notification of the Board. The Drain Layer shall notify the Board when the Building Sewer is ready for inspection and connection to the Public Sewer. The connection shall be made under the supervision of the Board or its representative.

Section 11.) Protection of Public and Property. All excavations for Building Sewer installations shall be adequately guarded, as determined by the Superintendent, with barricades and lights so as to protect the public from hazard. Streets, sidewalks, parkways, and other public property disturbed in the course of the work shall be restored by the Drain Layer in a manner satisfactory to the Town. When it is necessary to close off a street, the Fire Department and Police Department shall be notified by the contractor. A street opening permit from the Town of Grafton shall be posted with the Sewer Department at least twelve (12) hours before opening the street.

Section 12.) Variations from Rules and Regulations. Any variation from these Rules of the Town shall receive the approval of the Board before implementation.

Section 13.) Notification for Commencement of Work. The Board or duly authorized agent shall be notified at least 24 hours prior to the beginning of any work on sewer or house connections.

Section 14.) Proper Venting Required. No building shall be connected to the Public Sanitary Sewer system unless said building has a soil line extended to a point above the roof, properly vented.

Section 15.) Reporting of Prohibited Substances Found in Building Sewer. All Drain Layers are required to give a full written report to the Board within twenty-four (24) hours in the event that prohibited substances are found in a Building Sewer during that course of the work.

Section 16.) Notification for Completion of Work. Notification of the completion of the work with certification that all conditions have been complied with shall be filed in writing with the Board within twenty-four (24) hours after the completion of the work covered in each permit.

17.) License for Drain Layers. All Drain Layers shall obtain a license from the Board prior to performing any work in the Town. All licenses shall be issued for a one-year period with renewal required on September 1st of each year. In applying for a license, the Drain Layer shall provide all information required by the Board including a statement that the licensee will supervise and be responsible for all work performed under the license. The licensee shall file with the Town Treasurer a Certificate of Insurance in the sums of \$100,000/\$300,000 to cover Public Liability; a Certificate of Insurance in the sum of \$50,000 covering Property Damage including CU coverage for, collapse and underground damage; and a Performance Bond in the Workmen's Compensation shall be filed, all of which shall remain in full force and effect for a period of at least one (1) year from the date of approval. No insurance policy shall be cancelled without thirty (30) days prior written notice by registered mail to the Board. Said Insurance shall indemnify the Town against any and all claims, liability or action for damages incurred in or in any way connected with the performance of the work by a Drain Layer and for or by reason of any acts of omission of said Drain Layer in the performance of his work.

Section 18.) Licensee Not to Allow Use of Name by Another. No person duly licensed to construct Building and other Private Sewers and make connections

with Public Sewers shall allow his name to be used by any other Person, either for the purpose of obtaining permits or doing any work under his license.

All Building Sewer installation work shall be performed by Drain Layers licensed by the Grafton Board.

Applicants for permits must be Drain Layers licensed in Grafton.

Section 19.) Forfeiture of License. Any Drain Layer violating any provision of these Regulations shall, in addition to the general penalties provided for the violation of these Regulations in Article XI, forfeit his license.

Section 20.) Inspection Powers of the Board and its' Agents. The Board, and its' duly authorized agents bearing proper credentials and identification, shall be permitted to enter, at reasonable times, all properties connected with the Public Sewers for the purposes of inspection, observation, measurement, sampling, and testing, all in accordance with the provisions of these Regulations. They may inquire into any processes including metallurgical, chemical, oil, refining, ceramic, paper, plating, or other industrial activity that contribute waters or wastes to the Public Sewers, but shall not order or demand information concerning any patented process or trade secret beyond that necessary to determine the kind, source, and amount of Wastewater discharge from the industrial or commercial plant to the Public Sewers.

Section 21.) Underground Structures. It is the Drain Layers responsibility to locate all underground structures and pipes. It is also his responsibility to inform the Sewer Department Inspector of their locations and conditions. Failure to do so may result in suspension and/or revocation of his Drain Layers license.

Section 22.) Dig Safe. Drain Layers are required to contact Dig Safe and obtain a Dig Safe number to be presented when applying for a Sewer Permit.