

TOWN OF SHREWSBURY, MASSACHUSETTS

BOARD OF SEWER COMMISSIONERS

**RULES AND REGULATIONS FOR THE INSTALLATION
AND CONNECTION OF BUILDING SEWERS
AND
FOR THE USE OF PUBLIC SEWERS**

**(Revised)
October 27, 2015**

ARTICLE 1

DEFINITIONS

Unless the context specifically indicates otherwise, the meaning of terms used in this ordinance shall be as follows:

BOD (denoting Biochemical Oxygen Demand) – the quantity of oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure in five (5) days at 20° C., expressed in milligrams per liter.

Building Drain – that part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste, and other drainage pipes inside the walls of the building and conveys it to the building sewer, beginning ten (10) feet (3 meters) outside the inner face of the building wall.

Building Sewer or Sewer Service Connection – the extension from the building drain to the public sewer or other place of disposal.

Combined Sewer - a sewer receiving both surface runoff and sewage.

Drain Laying Permit – a written permit granted by the Superintendent of the Sewer and Water Department to a licensed drain layer to connect a building sewer to a public sewer.

Garbage – solid wastes from the domestic and commercial preparation, cooking and dispensing of food, and from the handling storage and sale of produce.

Grease – a material either liquid or solid, composing primarily of fat, oil, and grease from animal or vegetable sources. The terms “fats, oils, and grease (FOG)”, “oil and grease”, or “oil and grease substances” shall all be included within this definition.

Grease Hauler – a licensed septage hauler who collects the contents of a grease interceptor and transports it to an approved recycling or disposal facility. A grease hauler may also provide other services to a food service facility related to grease interceptor maintenance.

Grease Interceptor – a device designed to collect, contain, or remove food wastes and grease from the wastestream while allowing the balance of the liquid waste to discharge to the wastewater collection system by gravity.

Industrial Wastes – the liquid wastes from industrial manufacturing processes, trade or business and distinct from sanitary sewage.

Licensed Drain Layer – drain layers, registered plumbers and competent contractors licensed by the Town of Shrewsbury, Massachusetts, and bonded to lay drains in the Town of Shrewsbury, Massachusetts.

Natural Outlet - any outlet into water course, pond, Ditch Lake, or other body of surface or ground water.

Person – any individual, firms, companies, association, society, corporation, partnership, or group.

ph – the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.

Private Sewer- a sewer and all appurtenant facilities which are controlled by a private entity.

Properly Shredded Garbage - the wastes from the preparation, cooking, and dispensing of food that have been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in public sewer, with no particle greater than one-half (1/2) inch (1.27 centimeters) in any dimension.

Public Sewer or Common Sewer - a sewer in which all owners of abutting properties have equal rights, and which is controlled by public authority.

Sewage - a combination of the water-carried wastes from residences, business buildings, institutions and industrial establishments, together with such ground, surface and storm water as may be present.

Sewage Treatment Plant – any arrangement of devices and structures used for treating sewage.

Sewage Works – all facilities for collection, pumping, treating, and disposing of sewage.

Sewer – a pipe or conduit for carrying sewage.

Sewer Commissioners – the duly appointed members of the Board of Sewer Commissioners of the Town of Shrewsbury, or their authorized deputy, agent or representative.

Sewer Connection – a lateral from a customer’s building sewer system to the main lateral or sewer line.

Sewer Extension – the extension of a public or private sewer main and appurtenant facilities to facilitate a sewer connection.

Sewer Department – the Town of Shrewsbury Sewer and Water Department acting by its Superintendent or other authorized deputy, agent or representative.

Shall is mandatory; May is permissive.

Slug – any discharge of water, sewage or industrial waste which in concentration of any given constituent or in quantity of flow exceeds for any period of duration longer than fifteen (15) minutes more than five (5) times the average twenty-four (24) hour more than five (5) times the average twenty-four (24) hour concentration of flows during normal operation.

Storm Drain (sometimes termed storm sewer) – a sewer which carries storm and surface waters and drainage, but excludes sewage and industrial wastes, other than unpolluted cooling water.

Superintendent – the Superintendent of the Sewer and Water Department of the Town of Shrewsbury, Massachusetts or his duly authorized deputy, agent, or representatives.

Suspended Solids – Solids that either float on the surface of, or are in suspension in water, sewage, or other liquids, and which are removable by laboratory filtering.

Settable Solids – Solids that are removal from water sewage or other liquids by sedimentation in a specified time interval.

Town – the Town of Shrewsbury, its duly authorized deputies, agents, representatives or others having jurisdiction with regard to enforcement of these Rules and regulations or acting for the Town of Shrewsbury, Massachusetts.

Watercourse – a channel in which a flow of water occurs either continuously or intermittently.

ARTICLE 2

CONNECTIONS TO PUBLIC SEWER

- 2.01 Any owner of a house, building or other structure used for human habitation, occupancy or employment or recreation shall install sanitary facilities thereon and may connect at his own expense to a public sanitary sewer of the Town upon receipt one of the following permits:
- a) A Connection Permit issued by the Sewer Commission through the Superintendent of the Sewer and Water Department for connection of an existing parcel to an existing sewer main.
 - b) An Extension Permit issued by the Sewer Commission for the Extension of an existing sewer main to connect any new structure or structures or any subdivision.

All Connection and Extension permits for sanitary sewers shall be issued in the sole discretion of the Sewer Commission based upon the flow capacity allocated to the Town of Shrewsbury in Amendment No.5 to the Agreement for the Construction and Operation of the Westborough Treatment Plant. **Furthermore, the Town of Shrewsbury has completed a Comprehensive Wastewater Management Plan (CWMP) Environmental Impact Report to provide a comprehensive plan to meet the wastewater need for the Town. The CWMP was approved with the issuance of a Certificate of the Secretary of Energy and Environmental Affairs on December 3, 2007. The CWMP defines the needs areas of Town that could be sewered within the flow limits referenced above. The needs areas are shown on figure 2-1 of the CWMP and they include areas 1A-1, 1B-1, 1B-3, 10B, and 11. In accordance with the findings of the CWMP, no sewer extensions will be granted for areas of the Town other than the designated needs areas as shown on figure 2-1.**

- c) A permit issued by the Massachusetts Department of Environmental Protection in pursuant to M.G.L. c. 21, § 43, and 314 CMR 7.00.

2.02 Reserved for future use.

2.03 Reserved for future use.

2.04 Reserved for future use.

2.05 – *All sewers shall be designed in accordance with "TR-16: Guides for the Design of Wastewater Treatment Works" and DEP regulations as amended from time to time. The design of any proposed sewage works must be approved by the Sewer Commissioners and a permit obtained from the Massachusetts Department of Environmental Protection under the applicable provisions of Massachusetts General Laws. Sewage works construction shall be inspected and approved by authorized agents of the Sewer Commissioners and the cost for engineering inspection of the construction shall be borne by the developer or others sponsoring parties or agencies. In addition to the foregoing, the developer or owner of the land shall execute with the Board of Sewer Commissioners a standard form of "Agreement for the Construction of a Private Sewer System and Connection with the Common Sewers of the Town of Shrewsbury." Said form of Agreement requires that:*

- a. The applicant and owner of the property shall pay all costs relating to the laying of drains, sewer and appurtenances.
- b. The applicant shall perform all work in accordance with current contract specifications of the Town of Shrewsbury Engineering Department.

- c. Sewers shall be constructed by a licensed drain layer and shall be cleaned, flushed and tested before connection of the private sewer system to the Town’s sewer system. Rate of ground water infiltration shall not exceed 250-gals/inch diameter/mile of pipe 24 hours.
- d. The applicant shall hold the Town harmless and indemnify the Town against any liability resulting from any defective materials, workmanship, or operation in connection with said installation, and when working in public ways shall maintain Public Liability Insurance in an amount of not less than \$1,000,000 for injuries including wrongful death to any one person, and subject to the same limit for each person in an amount not less than \$1,000,000 on account of one accident.
- e. The applicant shall agree to pay for the privilege of connecting a private sewer system to the Town’s sewer system an amount equivalent to fifty (50) cents per square foot on the area of each lot within 100 feet of a street line or a minimum assessment of six thousand (\$6,000.00) dollars which ever amount is highest for the property area. Multifamily projects shall pay a fee of \$6,000.00 per dwelling unit as specified in Article 7. The Commission may grant offsite credit up to 35% of the total sewer assessments for the project where the proponent provider’s system enhancements or extensions beyond the requirements of the design standards and general engineering practice.
- f. Upon satisfactory installation and testing the sewer system shall become the property of the Town of Shrewsbury.
- g. All new building projects shall pay a fee to the Town for removal of infiltration and inflow. Each project shall be responsible for the removal of four (4) gallons of flow for each gallon to be added to the system at a cost of \$3.00 per gallon to be removed. All flows shall be based on Title V flow rates. *“The existing rates are 110 gallons/day/bedroom x four x three Commercial properties shall pay an I&I fee equivalent to the projected estimated daily flow at a 4:1 ratio at a cost of \$3.00 per gallon.*

The existing fees are:

<i>Five bedrooms</i>	<i>- \$6,600.00</i>
<i>Four bedrooms</i>	<i>- \$5,280.00</i>
<i>Three bedrooms</i>	<i>- \$3,960.00</i>
<i>Two bedrooms</i>	<i>- \$ 2,640.00</i>
<i>One bedroom</i>	<i>- \$1,320.00</i>

ARTICLE 3

INSTALLATION OF BUILDING SEWERS AND CONNECTIONS

GENERAL REQUIREMENTS

3.01 – No 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 permit from the Superintendent of the Sewer and Water Department.

Any person proposing a new discharge into the system or a substantial change in the volume or character of pollutants that are being discharged into the system shall notify the Superintendent at least forty-five (45) days prior to the proposed change or connection.

3.02 – All costs and expenses incidental to the installation and connection of the building sewer, except where originally installed by the Town, shall be borne by the owner. The owner shall indemnify the Town of Shrewsbury from any loss or damage that may directly or indirectly be occasioned by his installation of the building sewer.

3.03 – A separate and independent building sewer shall generally be provided for every building.

3.04 – Old building sewers may be used to connect buildings only if they meet all requirements of these Rules and Regulations.

3.05 – The homeowner is responsible for the maintaining and repairing of the building sewer from the inside foundation wall to the public sewer.

DRAIN LAYERS

3.06 – Licenses to install building sewers and make connections to the common sewers will be issued to experienced and competent contractors. Licenses must be renewed for each calendar year.

3.07 – Drain layers doing work hereunder shall maintain minimum insurance coverage as follows:

Public Liability	\$1,000,000
Property Damage Liability	\$1,000,000

and shall file a certificate of same with the Board of Sewer Commissioners.

3.08 – Drain layers shall post a bond in the amount of \$5,000 to assure the satisfactory completion of work. The bond shall remain in full effect for a period of one year after satisfactory completion of the most recent work performed by the drain layer. The drain layers shall make good, without cost to the property owner or Town, any defects in the work or parts of the work furnished or built by him and any damage due to faulty workmanship on his part or due to faulty or imperfect material or equipment furnished by him, which defects or damage may appear within one year form the date of completion of the work.

3.09 – Violation of the requirements of these Rules and Regulations shall be cause for revocation of license.

PERMITS

3.10 – There shall be two (2) classes of building sewer permits: (a) for residential and commercial service, and (b) for service to establishments producing industrial wastes. In either case, the owner or his agent shall make application on a special form furnished by the Town. The application for permit shall be supplemented by any plans, specifications or other information considered pertinent in the judgement of the Superintendent.

3.11 – Permits for construction building sewers and for connections to common sewer may be obtained weekdays at the office of the Sewer and Water Department between the hours of 8:00 A.M. to 4:30 P.M. A fee of \$100.00 will be charged, payable to the Town of Shrewsbury, upon issuance of the permit.

3.12 – Permits will only be issued to drain layers licensed to lay drains in the Town of Shrewsbury. Permits are not transferable between licensed drain layers nor sewer service connections.

3.13 – Permits shall be subject to revocation when any of the Rules and Regulations contained herein are not being followed.

3.14 – If the work under the permit is not competed within 90 days, a new permit must be obtained.

3.15 – Permits will not be issued until the applicant has filed a layout plan showing the location of existing service connection, house location and route of sewer service, and said layout has been approved by the Superintendent.

3.16 – Permits must be obtained for repair work to existing sewer service connections and a fee of \$100.00 will be charged, payable upon issuance of permit. Responsibility and liability for all repair work shall be the same as are herein imposed for original connections.

MATERIALS AND METHOD OF CONSTRUCTION

3.17 - *All sewers shall be constructed in accordance with "TR-16: Guides for the Design of Wastewater Treatment Works" and DEP regulations as amended from time to time. There shall be no construction on any portion of a subdivision until a sewer extension permit is obtained from the Department of Environmental Protection. No permit shall be issued by the Town, except in cases of emergency, to dig up or make an excavation in a public way until the applicant files with the Superintendent copies of the notices to public utility companies as required by General Laws Chapter 82, Section 40.*

3.18 – Pipe and fittings to be used in the work shall be PVC pipe, six (6) inches or more in diameter. PVC (Polyvinylchloride) pipe shall conform to ASTM D3034-73.

3.19 – In general, sewer services will not be allowed to have more than two (2) angle points, or a total angular deviation of 180 degrees, unless granted variance by the Superintendent. Clean outs shall be installed at each deflection. Services in excess of 100 feet in length are subject to review and other requirements as may be found necessary to assure a functional connection. The use of 90° elbows will not be allowed. You must use two (2) 45° and a one-foot nipple and then a clean out.

3.20 – All services shall be laid in an envelope of washed, screened gravel with not less than 6 inches of said material all around the barrel of the pipe. Maximum stone size shall be $\frac{3}{4}$ ".

3.21 – All pipe and fittings shall be laid to a minimum slope of $\frac{1}{4}$ inch per foot unless otherwise approved by the Superintendent.

3.22 – Line and grade of the pipe and fittings shall be controlled by the use of grade control instruments or batter boards as approved by the Superintendent. Deviations from line and grade in excess of 1-inch shall be cause for rejections of the installation.

3.23 – The trenches shall be excavated from the common sewer or from the end of the existing sewer service, whichever is applicable, to the point of connection with the building drain. Pipe and fittings laid in trench shall not be backfilled until the department inspects the work. Following inspection the backfilled trenches shall be compacted by mechanical tamping in 12-inch layers or by jetting with pipes at least 5 feet in length.

3.24 – Whenever possible, the building sewer should be brought to the building at an elevation below the basement floor. In all buildings in which any building drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain may be lifted by an approved means and discharged to the building sewer.

3.25 – Where practicable, when the common sewer is sufficiently deep, service connections shall be laid directly, without horizontal or vertical deflections from the building drain to the connection at the common sewer.

3.26 – Tunneling will not be allowed unless special permission for same is granted.

3.27 – Connection made to the building plumbing system shall be upstream of any septic tanks or cesspools.

3.28 – Upon connection of the building plumbing system to the common sewers, existing septic tanks and cesspools shall be removed or completely filled with suitable material, to the satisfaction of the Superintendent.

3.29 – Connections shall not be cut into commune sewers without permission.

3.30 – All pipe joint connections shall be watertight.

WORK IN PUBLIC AND PRIVATE WAYS

3.31 – Existing pavements shall be cut utilizing approved pneumatic cutting tools or wheel-type cutters. All excavations and obstructions shall be adequately barricaded and lighted at all times to protect the public from harm.

3.32 – Trenches shall be backfilled from the washed gravel envelope to within fifteen (15) inches of the road surface with selected materials from the excavation. Gravel borrow shall then be placed flush with the existing surface and the entire trench within the right-of-way, and shall then be compacted by mechanical tamping in 12-inch layers or by puddling with jet pipes at least five (5) feet in length as required by the Superintendent. Settled portions shall be filled with additional gravel borrow as required to accommodate the temporary bituminous patch if required.

3.33 – The licensed drain layer shall obtain a street opening permit from the Highway Dept. at the time of the sewer permit application. The permit for street opening shall establish the paving requirements from temporary and permanent paving.

3.34 – Failure in the temporary patch shall be restored within eight (8) hours of notification to do so.

3.35 – The licensed drain layer shall restore the permanent road surface within fourteen (14) days following notification to do so. Failing to comply, the Town of Shrewsbury shall have the work accomplished, and the licensed drain layer shall be liable for all debts incurred.

3.36 – Power shovels, bulldozers, loaders, trucks and other equipment shall not be operated on or across sidewalks, berms, curbing, etc., until they have been properly protected from damage by planking or other approved means. All damage resulting from the drainlayer's operations shall be repaired by them.

3.37 – When making a sewer connection in a State Highway, the Town of Shrewsbury shall obtain the necessary permits from the Massachusetts Highway Department prior to the issuance of a sewer connection permit. All work shall then be done in accordance with the requirements set forth in the permit issued by the Massachusetts Highway Department.

ROCK EXCAVATION

3.38 – When ledge is encountered in the excavations and must be blasted, a permit must be obtained from the Fire Chief for the use of explosives.

3.39 – All blasting shall be done in accordance with the requirements of the Massachusetts Department of Public Safety and such other requirements as imposed by the Fire Chief.

3.40 – All blasting must be done by a person licensed by the Department of Public Safety for this purpose.

3.41 - Blasting operations shall be conducted only by persons who have posted a \$20,000 bond with the Treasurer of the Commonwealth of Massachusetts or who have posted a bond with the Shrewsbury Town Clerk in accordance with General Laws Chapter 148, Section 19.

INSPECTIONS

3.42 – Requests for inspections on new sewer service connections shall be made before 4:00 p.m. on the day preceding the installation or within reasonable time frame on the day of installation.

3.43 – Inspections will generally be made only during the normal working hours of the Sewer Department.

3.44 – The applicant will be charged all costs for inspections made outside the normal working hours. Charges will reflect the prevailing wage rates of Sewer Department personnel making the inspection.

ARTICLE 4

USE OF PUBLIC SEWERS

4.01 – Use of the municipal sewerage system will be prohibited if in the opinion of the Sewer Commissioners such use may result in physical damage to structures or equipment, interference with operation and processing, or unreasonable maintenance attention and expense.

4.02 – No person shall discharge or cause to be discharged any stormwater, surface water, groundwater, roof runoff, subsurface drainage, uncontaminated cooling water, or

unpolluted industrial-process waters to any sanitary sewer. Stormwater and all other unpolluted drainage shall be discharged to such sewers as are specifically designated as storm sewers, or to a natural outlet approved by the Superintendent.

4.03 – No person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewers:

- a. Any gasoline, benzene, naphtha, fuel oil or other flammable or explosive liquid, solid, and or gas.
- b. Any waters or wastes containing toxic or poisonous solids, liquids, or gases in sufficient quantity, either singly or by interaction with other wastes, to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals, create a public nuisance, or create any hazard in the receiving waters of the sewage treatment plant.
- c. Any waters or wastes having a pH lower than 6.0 or having any other corrosive property capable of causing damage or hazard to structures, equipment, or injury to personnel of the Sewer Department.
- d. Solid or viscous substances in quantities, or of such size capable of causing obstruction to the flow in sewers, or other interference with the proper operation of sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, unground garbage, whole blood, paunch manure, hair and fleshings, entrails, and paper or plastic dishes, cups, milk containers, etc., either whole or ground by garbage grinders, cesspools and vault contents, fish processing waste, fish, scales, etc.

4.04 – No person shall discharge or cause to be discharged the following described substances, materials, waters, or waste if it appears likely in the opinion of the Sewer Commissioners that such waste can harm either the sewers, sewage treatment process, or equipment; have an adverse effect on the receiving stream; or can otherwise endanger life, limb, public property, or constitute a nuisance. In forming an opinion as to the acceptability of these waste, the Sewer Commissioners will give consideration to such factors as the quantities of subject wastes in relation to flows and velocities in the sewers, materials of construction of the sewers, nature of the sewage treatment process, capacity of the sewage treatment plant, degree of treatability of wastes in the sewage treatment plant, and other pertinent factors. The substances prohibited are:

- a. Any liquid or vapor having a temperature higher than 150° F (65°).
- b. Any water or waste containing fats, wax, grease, or oils, whether emulsified or not, in excess of one hundred (100) mg/l or containing substances which may solidify or become viscous at temperatures between 32° F and 150° F (0 and 65°C).

- c. Any garbage that has not been properly shredded. The installation and operation of any garbage grinder with a motor of three-fourths (3/4) horsepower or greater shall be subject to the review and approval of the Sewer Commissioners.
- d. Any waters or wastes containing strong acid iron pickling wastes, or concentrated plating solutions whether neutralized or not.
- e. Any waters or wastes containing iron, chromium, copper, zinc, and objectionable or toxic substances; or wastes exerting an excessive chlorine requirement, to such degree that any such material received in the composite sewage at the sewage treatment works exceeds the limits established by the Sewer Commissioners for such materials.
- f. Any waters or wastes containing phenols or other taste-or-odor-producing substances, in such concentrations exceeding limits which may be established by the Sewer Commissioners as necessary, after treatment of composite sewage, to meet the requirements of the state, federal or other public agencies having jurisdiction over such discharge to the receiving waters.
- g. Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Sewer Commissioners in compliance with applicable state and /or federal regulations.
- h. Any waters or wastes having a pH in excess of 9.0.
- i. Materials which exert or cause:
 - (1) Unusual concentrations of inert suspended solids (such as, but not limited to, Fuller’s Earth, lime slurries, and lime residues), or of dissolved solids (such as, but not limited to, sodium chloride and sodium sulfate).
 - (2) Excessive discoloration (such as, but not limited to, dye wastes and vegetable tanning solutions).
 - (3) Unusual BOD, chemical oxygen demand, or chlorine requirements in such quantities as to constitute a significant load on the sewage treatment works.
 - (4) Unusual volume of flow or concentration of wastes constituting “slugs” as defined herein.
- j. Waters or wastes containing substances which are not amenable to treatment or reduction by the sewage treatment processes employed, or are amenable to

treatment only to such degree that the sewage treatment plant effluent cannot meet the requirements of other agencies having jurisdiction over discharge to the receiving waters.

4.05 – If any waters or wastes are discharged, or are proposed to be discharged to the public sewers, which waters contain the substances or possess the characteristics enumerated in Section 4.04 and which in the judgment of the Sewer Commissioners may have a deleterious effect upon the sewage works, processes, equipment or receiving waters or which otherwise create a hazard to life or constitute a public nuisance, the Sewer Commissioners may:

- a. Reject the wastes.
- b. Require pretreatment to an acceptable condition for discharge to the public sewers.
- c. Require control over the quantities and rates of discharge, and/or
- d. Require payment to cover the added cost of handling and treating the wastes.

If the Sewer Commissioners permit the pretreatment or equalization of waste flows, the design and installation of the plants and equipment shall be subject to the review and approval of the Sewer Commissioners, and subject to the requirements of all applicable codes, ordinances and laws.

4.06

(1) Food service establishments constructed or substantially remodeled after December 31, 2006 shall install an exterior grease interceptor in accordance with the provisions of this regulation to capture the grease in kitchen waste water to prevent it from entering the town's sewer system. For the purpose of this regulation, substantial shall be defined as any project or renovation that requires a building permit, a gas permit or a plumbing permit. Other existing businesses may be ordered to install exterior grease interceptors if their discharge is noted to contain grease, oil or solids that interfere with the performance of the town's sewer system.

- a. In addition to the most stringent of the Uniform State Plumbing Code 248 CMR 10 and the Plumbing and Drainage Institute (PDI) Standards G101, all new and existing exterior grease interceptors shall meet the following criteria:
 - i. Grease interceptors shall be installed on a separate building sewer line serving the kitchen. The discharge from the grease interceptor will be to the building sewer line.

- ii. Grease interceptors shall be constructed with a minimum depth of four feet and a minimum capacity of 1,000 gallons and shall have sufficient capacity to provide at least a 24 hour detention period for the kitchen flow. Kitchen flow will be calculated in accordance with 310 CMR 15.203.
 - iii. If the exterior grease interceptor is to be installed where vehicular traffic will drive over the grease interceptor, the tank must be constructed to meet the standards of H20 loading. The tank and the pipes leading to and from the tank must be protected from damage.
 - iv. Grease interceptors shall be tested for compliance and shall be watertight. A waterproof membrane shall be applied to the outside walls and the bottom of the tank.
 - v. The inlet tee of the grease interceptor shall extend to the mid depth of the tank. The outlet tee shall extend to within 12 inches of the bottom of the tank. Tees shall be cast iron and properly supported and hung.
 - vi. A full size chamber vent shall vent the exterior grease tank as required by the Uniform State Plumbing Code (248 CMR 10 2).
 - vii. The invert elevation of the inlet of a grease interceptor shall be at least two inches above the invert elevation of the outlet. The inlet and outlet shall be located at the center line of the tank.
 - viii. Grease interceptors shall be installed on a level base of six (6) inches of crushed stone that has been mechanically compacted.
 - ix. Grease interceptors shall be provided with a minimum 20 inch diameter watertight manhole frame and cover (bolted in place with gaskets) to grade over the inlet and outlet tees. Grease interceptors shall be accessible for inspection and maintenance. No structures shall be constructed upon or above the grease interceptor or the access locations.
 - x. Exterior grease interceptors shall have a minimum of two (2) inspection hatches on the top surface to facilitate inspection, cleaning and maintenance by a grease hauler.
- (2) In addition to the most stringent of the Uniform State Plumbing Code 248 CMR 10 and the Plumbing and Drainage Institute (PDI) Standards G101, all new and existing interior grease interceptors shall have a removable lid on the top surface to facilitate inspection, cleaning, and maintenance.
- (3) Interior and exterior grease interceptors shall be self-inspected monthly and the results listed on an inspection report provided by the Health Department. Grease interceptors shall also be cleaned by a licensed grease hauler whenever the level of grease is 25% of the effective depth of the interceptor, or at least every three months, whichever is sooner. Pumping/cleaning reports shall be submitted to the Shrewsbury Health Department annually at permit renewal time.

- a. Interior grease interceptors may be cleaned at a reduced frequency to a semi-annual, annual, or bi-annual basis with evidence through reports and approval by the Health Department.
- (4) Grease interceptors shall be inspected by the town or its representative to assure compliance and to assure proper cleaning and maintenance schedules are being followed.
- (5) Each food service establishment shall be solely responsible for the cost of grease interceptor or trap proper installation, inspection, cleaning, maintenance, disposal, and repair.

ARTICLE 5

SEPTAGE HAULING

5.01 – The following procedure must be followed:

Prior to dumping your load you must notify the personnel at either the Upper Blackstone or Westborough Treatment Plant so they can measure how many gallons you will be emptying. All permits and payments are done independently at the Westborough Treatment Plant and the Upper Blackstone facility.

5.06 – Each truck must be equipped with a device that indicates the actual volume that will be recorded by the Upper Blackstone Water Pollution Abatement District and the Westborough Treatment Plant.

5.07 – Each truck must be equipped so as to meet the design of the Upper Blackstone District and Westborough Treatment Plant dumping area.

5.08 – Each trucker must have a proper septage license, issued by the Board of Health on January 1 of each year and be approved by the Superintendent of the Sewer Department.

5.09 – A suitable chemical to reduce odor must be added to each truck before transporting septage over the public roads.

5.10 – The contents of each truck shall be transported in a manner that will not create a nuisance or a health hazard.

5.11 – Tanks shall be securely mounted on trucks. They shall be watertight and provided with a leak-proof cover and tight discharge valves.

5.12 – Tanks shall be provided with a vent constructed in a manner that will permit the escape of gas, but not the liquid contents of the tank.

5.13 – Suction or pressure hose shall be in good repair.

5.14 – Pumps shall be maintained in a condition that will prevent the leakage of septage.

5.15 – The dumper shall be responsible for any damage done to or done by property or personnel participating in this program, stemming from activities related to occupying the Treatment Plants for the purpose of disposing of night soil.

5.16 – Only sanitary sewage which contains no grease, oil, gasoline, explosive fluids, acids, garbage, or industrial waste shall be discharged in the night soil systems.

5.17 – When dumping septage in the Town of Shrewsbury dumping area, the pumper must collect a sample of the load and leave it in the Treatment Plant Office.

5.18 – The dumping site shall be cleaned of all debris and rinsed thoroughly by the pumper prior to leaving the site.

5.19 – A Truck may be stopped at any time and inspected by any member of the Sewer Department, Board of Health or personnel of the Upper Blackstone Water Pollution Abatement District.

5.20 – Failure of a trucker to carry out the Rules and Regulations set forth by the Town and the Upper Blackstone Water Pollution Abatement District shall be cause to revoke the permit to discharge night soil wastes at the Treatment Plant.

ARTICLE 6

ANNUAL CHARGES FOR USE OF SEWER SYSTEM

6.01 – Annual charges for use of the Town’s sewer system shall be as follows for connected properties:

Annual Charge Billed Quarterly

Residential & Condominiums

Base Charge - \$30.00

Rate per thousand gallons - \$7.50/thousand

Commercial, Industrial and Apartments

Base Charge - \$30.00

Rate per thousand gallons - \$9.30/thousand

***Rates effective April 1, 2011**

ARTICLE 7

SEWER BETTERMENT ASSESSMENTS

7.01 – Sewer betterment assessments shall be levied at the rate of fifty (50) cents per square foot on that area of each property, except multifamily properties, fronting on a public or private right-of-way in which a public sewer is constructed within 100 feet of the street lot line. For multifamily properties the fee shall be \$6,000 per dwelling unit. Multifamily properties shall include Condominiums, Apartments, Town Houses, Senior Housing and similar projects with three or more dwelling units on a single lot.

For corner lots where the public sewer is constructed along both sides of the property the assessable area shall be computed along the longest frontage to a depth of 100 feet plus one-half that area computed along the shorter frontage less the 100-foot depth included in the longest frontage, up to a total frontage of 199 feet. When the shorter frontage exceeds 200 feet that portion of the shorter frontage less the 100-foot depth included in the longest frontage area computation shall be added to the longer side area in total.

Where the public sewer is accessible to only one side of a corner lot an addition will not be made to the assessable area.

7.02 – Minimum assessments in an amount of \$6,000.00 shall be made on all properties not having an assessable area in excess of 10,000 square feet.

7.03 – Special assessments shall be levied on all properties not fronting on a public or private right-of-way upon connection to an accessible public sewer. This assessment shall be in a minimum amount of \$6,000.00 unless the property fronts on another street in which a public sewer may be constructed in the future. In such case the special assessment shall be computed on the basis of that frontage as explained under 7.01.

7.04 – At dead end streets and/or summit manholes where the public sewer does not extend across the entire frontage of a lot, the assessable area shall be computed across the entire frontage of the lot or that frontage not exceeding 100 feet beyond the uphill terminus of the public sewer.

7.05 – Sewer assessments will be levied by the Board of Sewer Commissioners in accordance with the provisions of law.

7.06 – See Appendix I for diagrammatic illustration of foregoing computations for determining assessable areas.

ARTICLE 8

PROTECTION FROM DAMAGE

8.01 – No unauthorized person shall maliciously, willfully, or negligently break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is part of the sewage works. Any person violating this provision shall be subject to immediate arrest and prosecution under the charge of malicious destruction to property, Chapter 266, Section 127 of the General Laws of the Commonwealth, or any other law, ordinance or by-law that may be applicable.

8.02 – The use of lands acquired in fee or easement for sewer purposes shall be subject to the approval of the Board of Sewer Commissioners.

ARTICLE 9

POWERS AND AUTHORITY OF INSPECTORS

9.01 – The Sewer Commissioners and other duly authorized employees of the Town bearing proper credentials and identification shall be permitted to enter all properties for the purpose of inspection, observation, measurement, sampling and testing in accordance with the provisions of these Rules and Regulations. The Sewer Commissioners or their representatives shall have no authority to inquire into any processes including metallurgical, chemical, oil, refining, ceramic, paper or other industries beyond that point having a direct bearing on the kind and source of discharge to the sewer or water-ways of facilities for waste treatment.

9.02 – While performing the necessary work on private properties referred to in Article 9.01, Sewer Commissioners or duly authorized employees of the Town shall observe all safety rules applicable to the premises established by the company and the company shall be held harmless for injury or death to the Town employees and the Town shall indemnify the company against loss or for personal injury or property damage asserted against the company and growing out of the gauging and sampling operation, except as such may be caused by negligence or failure of the company to maintain safe conditions as required in Article 4.08.

9.03 – The Sewer Commissioners and other duly authorized employees of the Town bearing proper credential and identification shall be permitted to enter all private properties through which the Town holds a duly recorded easement for the purpose of, but not limited to, inspection, observation, measurement, sampling, repairs and maintenance of any portion of the sewage works lying within said easement. All entry and subsequent work, if any, on said easement shall be done in full accordance with the terms of the duly recorded easement pertaining to the private property involved.

ARTICLE 10

PENALTIES

10.01 – Any person found to be violating any provisions of these rules and regulations, except Article 8, shall be served by the Town of Shrewsbury with written notice stating the nature of the violation and providing a reasonable time limit for the satisfactory correction thereof. The offender shall, within the period of time stated in such notice, permanently cease all violations.

10.02 – Any person who shall continue any violation beyond the time limit provided for in Article 10.01 above, shall be guilty of a misdemeanor, and upon conviction thereof, shall be fined in the amount not exceeding \$100.00 for each violation. Each day that a violation continues shall be considered a new violation.

10.03 – Any person violating any provisions of these rules and regulations shall become liable to the Town of Shrewsbury for any expense, loss, and or damage occasioned the Town of Shrewsbury by reason of such violation.

ARTICLE 11

VALIDITY

11.01 – All prior ordinances or parts of prior ordinances in conflict herewith are hereby repealed.

11.02 – The invalidity of any section, clause, sentence or provision of this ordinance shall not affect the validity of any other part of this ordinance which can be given effect without such invalid part or parts.

**TOWN OF SHREWSBURY
BOARD OF SEWER COMMISSIONERS**

BY:



Paul Burnett, Chairman



Joseph Zecco



Peter Reilly