



SEWER USE REGULATIONS FOR CONNECTIONS TO THE SOUTHWICK SEWER SYSTEM

Prepared by the Southwick Department of Public Works
Updated – February 6, 2009

TABLE OF CONTENTS
SEWER USE REGULATIONS

ARTICLE 1
DEFINITIONS..... 3

ARTICLE 2
SEWER SYSTEM HOOKUP CHECKLIST

ARTICLE 3
DRAINLAYERS..... 7

ARTICLE 4
PERMITS, INSPECTIONS AND FEE SCHEDULE..... 7

ARTICLE 5
BUILDING SEWERS AND CONNECTIONS..... 9

ARTICLE 6
MATERIALS AND WORKMANSHIP OFR GRAVITY BUILDING SEWERS. 10

ARTICLE 7
LOW PRESSURE SEWER SERVICE AREAS..... 12

ARTICLE 8
USE OF THE PUBLIC SEWERS..... 17
SUBSTANCES PROHIBITED..... 18

ARTICLE 9
PROTECTION FROM DAMAGE..... 21
DAMAGE TO GRINDER PUMP..... 21
DAMAGE TO SEWER SYSTEM..... 22

ARTICLE 10
CONNECTION FEE..... 23

ARTICLE 11
POWERS AND AUTHORITY OF INSPECTORS..... 24

ARTICLE 12
PENALTIES..... 25

ARTICLE 13
VALIDITY..... 25

ARTICLE 14
ADDITIONAL REGULATIONS..... 25

SEWER USE REGULATIONS FOR CONNECTIONS TO THE SOUTHWICK SEWER SYSTEM

REGULATIONS FOR THE USE OF COMMON SEWERS AND DRAINS, THE INSTALLATION AND CONNECTION OF BUILDING SEWERS. AND THE DISCHARGE OF WATERS AND WASTES INTO THE PUBLIC SEWER SYSTEM: AND PROVIDING PENALTIES FOR VIOLATIONS THEREOF: IN THE TOWN OF SOUTHWICK, COUNTY OF HAMPDEN, COMMONWEALTH OF MASSACHUSETTS.

Be it ordained and enacted by the Board of Selectmen, Town of Southwick, Commonwealth of Massachusetts, acting in accordance with the provisions of Chapter 83, Section 10 of the General Laws, as amended, hereby adopt the following Regulations governing connection to and for the usage of the Town's common sewers:

ARTICLE 1

DEFINITIONS

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

AGENT: Agent shall mean the Director of the Department of Public Works or authorized representative of the Director of the Department of Public Works. The Town of Southwick's Department of Public Works or its agents shall be deemed an Agent of the Town for the purpose of enforcing the Town's bylaws or regulations against users subject to the Town's jurisdiction.

B.O.D.: B.O.D. (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under a standard laboratory procedure in five (5) days at 20 degrees C, expressed in milligrams per liter.

BUILDING DRAIN: Building Drain shall mean that part of the lowest horizontal piping of a drainage system which receives the discharge from soil, waste and other drainage

pipes inside walls of the building and conveys it to the building sewer, beginning five (5) feet (1.5 meters) outside the inner face of the building wall.

BUILDING SEWER: Building Sewer shall mean the extension from the main sewer to the building or structure.

COMBINED SEWER: Combined Sewer shall mean a sewer receiving both surface runoff and sewage.

DRAINLAYER: Shall be a licensed person meeting the requirements as established by the Department of Public Works. Licensing by the Town of Southwick is required on an annual renewal basis.

EQUIVALENT DWELLING UNIT (“EDU”): shall mean the designation determined by the Sewer Commissioners for each property based on the recommended design flow values found in 310 CMR 15.203.

EXCESSIVE: Excessive shall mean amounts or concentrations of a constituent of wastewater which, in the judgment of the Town, will cause damage to any facility, will be harmful to a wastewater treatment process, will cause a nuisance or which constitutes a violation of the Intermunicipal Agreement.

GARBAGE: Garbage shall mean solid waste resulting from the domestic and commercial preparation, through cooking dispensing handling, storage and sale of food.

INDUSTRIAL WASTE: Industrial Wastes shall mean the liquid wastes from industrial manufacturing processes, trade or business..

INTERMUNICIPAL AGREEMENT: Intermunicipal Agreement shall mean the “Agreement between the Town of Southwick and the City of Westfield for the Treatment and Disposal of Wastewater.”

INSTALLATION MANUAL: Shall mean the E/One Sewer™ GP2010 “Typical Installation Instructions” on file with the Town of Southwick Department of Public Works, and any amendments thereto.

NATURAL OUTLET: Natural Outlet shall mean any outlet into a watercourse, pond, ditch, lake or other body of water either surface or groundwater.

OWNER: Owner is that person holding the title to the property served or to be served by the sewer.

PERSON: Person shall mean any individual, firm, company, association, society, corporation or group.

pH: pH shall mean the logarithm of the reciprocal of the weight of hydrogen ions in grams per liter of solution.

PRIVATE SEPTIC DISPOSAL SYSTEM: Private Septic Disposal System shall mean any on-site, subsurface disposal system constructed and maintained in accordance with all the requirements of the Southwick Board of Health Regulations, Building Code, Zoning Ordinances, Sewer Use Regulations and any other regulations, laws or regulations of the Town of Southwick and/or the Commonwealth of Massachusetts.

PROPERLY SHREDDED GARBAGE: Properly Shredded Garbage shall mean the waste 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 sewers, with no particle greater than one-half (1/2) inch (1.27 centimeters) in any dimension.

PUBLIC SEWER: Public Sewer shall mean a sewer in which all owners of abutting properties have equal rights and is controlled by public authority.

SANITARY SEWER: Sanitary Sewer shall mean a sewer that carries sewage and which storm, surface and ground waters are not intentionally admitted.

SEPTIC TANK: Septic Tank shall mean a watertight receptacle which receives the discharge of sewage from a building sewer, and is designed and constructed so as to permit the retention of scum, digestion of the organic matter, and discharge of the liquid portion to a leaching facility.

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

SEWAGE TREATMENT PLANT: Sewage Treatment Plant shall mean any arrangement of devices or structures used for treating the sewage.

SEWAGE WORKS: Sewage works shall mean all facilities for collecting, pumping, treating and disposing of sewage.

SEWER: Sewer shall mean a pipe or conduit for the conveyance of sewage, including pumps or related equipment

SHALL: Shall is mandatory; "May" is permissive.

SLUG: Slug shall mean any discharge which exceeds permitted levels either in terms of pollutant concentration or instantaneous flow rate which is more than five (5) times the average twenty-four (24) hour concentration of flows for a duration longer than fifteen (15) minutes.

STORM DRAIN: Storm Drain (sometimes termed "Storm Sewer") shall mean a sewer which carries storm and surface waters and drainage, but excludes sewage and industrial wastes other than unpolluted cooling water.

SUSPENDED SOLIDS: Suspended Solids shall mean 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.

TOWN: Town shall mean the Town of Southwick, Massachusetts.

WATERCOURSE: Watercourse shall mean a channel in which a flow of water occurs, whether continuously or intermittently.

ARTICLE 2

The Town of Southwick has established a Sewer System Hookup Checklist that is attached hereto as Exhibit "A." The purpose of the Sewer System Hookup Checklist is to provide the applicants with a checklist of items that are required in order to connect to the Town of Southwick Public Sewer. The Sewer System Hookup Checklist is incorporated into this Regulation and must be completed in conjunction with approval of connection to the Town of Southwick Public Sewer.

ARTICLE 3

DRAINLAYERS

- 3.1 No building sewer installation shall be made by anyone other than those holding a Drain layer's license issued by the Agent.
- 3.2 Shall maintain insurance as follows: Public Liability (General Liability, Bodily Injury and Property Damage) of not less than \$500,000.00, Property Damage Liability of not less than \$500,000.00/\$1,000,000.00 annual aggregate. The Drain layer shall file a "Certificate of Insurance" including a "Save Harmless" clause to the Town of Southwick, which includes the Town as additional insured for the duration of the work. This is to be filed with the Agent.
- 3.3 Licenses are renewable annually on January 1 by the Department of Public Works.

ARTICLE 4

PERMITS, INSPECTIONS and FEE SCHEDULE

- 4.1 There shall be one class of building sewer permit that shall include both residential and commercial service. In either case, the owner or his representative shall make application on a special form furnished by the Town. The permit application shall be supplemented by any plans, specification or other information considered pertinent in the judgment of the Agent. The Sewer System Hookup Checklist is incorporated into these regulations and must be completed by the Applicant. An inspection fee may be assessed by the Town at the time of the inspections referenced herein.
- 4.2 Permits are to be obtained weekdays at the office of the Agent between the hours of 8:30 A.M. and 4:00 P.M.

- 4.3 Permits will only be issued to licensed drain layers to lay sewer and drains in the Town of Southwick.
- 4.4 Permits are not transferable.
- 4.5 Permits shall be subject to revocation if any of the Regulations contained herein are violated.
- 4.6 If work is not completed within twelve (12) months, the permit becomes void.
- 4.7 Permits must be obtained for repair work to existing sewer services.
- 4.8 Requests for inspection of sewer service connections shall be made before 4:00 P.M. on the date preceding the installation.
- 4.9 All connections must be inspected and approved by the Agent before the trench is backfilled.
- 4.10 Upon connection to the sanitary sewer, any septic tanks or similar private septic disposal facilities shall be abandoned in compliance with 310 CMR 15.345, Title V of the State Environmental Code.
- 4.11 Inspections will be made only during the normal working hours of the Department of Public Works.

4.12 Fee Schedule

The following is a list of fees associated with various inspections that are required to be conducted in accordance with these regulations by an Applicant:

INSPECTION

Inspection by Department of Public Works (DPW)

FEE/RATE: Hourly rate based on the current pay structure for period in which inspection is completed (minimum fee – one (1) hour)

Inspection by Board of Health (BOH)

FEE/RATE: Hourly rate based on the current pay structure for period in which inspection is completed (minimum fee – one (1) hour)

Inspection by Plumbing Inspector

FEE/RATE: Hourly rate based on the current pay structure for period in which inspection is completed (minimum fee – one (1) hour)

Inspection by Electrical Inspector

FEE/RATE: Hourly rate based on the current pay structure for period in which inspection is completed (minimum fee – one (1) hour)

Inspection by Building Inspector

FEE/RATE: Hourly rate based on the current pay structure for period in which inspection is completed (minimum fee – one (1) hour)

Inspection by other Town Officials

FEE/RATE: Hourly rate based on the current pay structure for period in which inspection is completed (minimum fee – one (1) hour)

Application Fee

FEE/RATE: NONE

ARTICLE 5

BUILDING SEWERS AND CONNECTIONS

- 5.1 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 permit from the Agent. 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 Agent at least forty-five (45) days prior to the proposed change or connection.
- (a) Any vacant lot that does not have a stub, which shall mean a “Y” connection fitting on the main sewer line intended to accept a future sewer line connection available must obtain written permission from the Sewer Commissioners or their duly authorized agent before installing any stub and/or connection to the public sewer system. All costs and expenses related to the installation of any stub and connection to the public sewer system will be the sole responsibility of the property owner.
- 5.2 All costs and expense incidental to the installation 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 of the gravity building sewer. It shall be the owner's responsibility to maintain and repair the gravity building sewer.
- 5.3 A separate and independent building sewer shall be provided for every building; except where one building stands at the rear of another on an interior lot and no

private sewer is available or can be constructed to the rear building through an adjoining alley, courtyard or driveway. In these instances the building sewer from the front building may be extended to the rear building and the whole considered as one building sewer.

- 5.4 Old building sewers may be used in connection with new buildings only when they are found, upon inspection by the Agent, to meet all requirements of these Regulations.
- 5.5 Whenever possible, the building sewer shall exit the building at an elevation below the basement floor. In all buildings in which any drain is too low to permit gravity flow to the public sewer, sanitary sewage carried by such building drain shall be mechanically lifted by any approved means and discharged to the building sewer.
- 5.6 No person shall make connection of roof downspouts, exterior foundation drains, interior basement sump-pumps, area way drains, or other sources of surface run-off or groundwater into a building sewer or building drain which in turn is connected directly or indirectly to a public sanitary sewer.
- 5.7 All excavations for building sewer installations shall be adequately guarded 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 in a manner satisfactory to the Town, and any applicable bylaws now or in the future adopted by the Town.
- 5.8 The size, slope, alignment, 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 code or other applicable 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.) and Water Environment Federation (W.E.F.) "Gravity Sanitary Sewer Design and Construction" (MFD 5), as amended or revised shall apply.
- 5.9 The connection of the building sewer into the public sewer shall conform to the requirements of the building and plumbing code or other applicable regulations of the Town, or the procedures set forth in appropriate specifications of American Society of Testing Materials (A.S.T.M.) and Water Environment Federation (W.E.F.) "Gravity Sanitary Sewer Design and Construction" (MFD 5), as amended or revised. All such connections shall be/made gastight and watertight. Any deviation from the prescribed procedures and materials must be approved by the Agent prior to installation.

ARTICLE 6

MATERIALS AND WORKMANSHIP FOR GRAVITY BUILDING SEWERS

- 6.1 Pipe and fittings to be used in the work shall be SDR (Standard diameter ratio)-35 PVC or other material, as approved by the Agent, with approved joints, six (6) inches or more in diameter, for a building sewer or connection carrying raw sewage.
- 6.2 Pipe joints shall be of the compression type, consisting of an approved material applied to the bell and spigot ends of the pipe and a compression ring of elastomeric material (O-ring or approved equal).
- 6.3 Clean outs shall be required in building sewers at every bend of forty-five (45) degrees or greater.
- 6.4 All pipes and fittings shall be laid to a minimum slope of one (1%) percent (1 /8 inch per linear foot) for a 6 inch diameter pipe. Slopes of less than one (1%) percent may be approved by the Agent only under extenuating circumstances.
- 6.5 Any service length greater than 300 feet, in a conventional gravity building sewer or connection carrying raw sewage, will require a sanitary manhole or cleanout at the discretion of the Agent.
- 6.6 All services shall be laid in an envelope of compacted sand, or approved gravel around the barrel of the pipe and backfilled to prevent damage.
- 6.7 In general, the trenches shall be excavated from the end of the existing sewer service to its point of connection to the building plumbing outlet before backfilling any pipe beyond the sand envelope.
- 6.8 All services are subject to review by the Agent and such other requirements as may be found necessary to assure a functional watertight connection.
- 6.9 In new construction, and where practicable in existing buildings when the common sewer is sufficiently deep, service shall be laid directly, without deflections, (2) ft. from the house plumbing vent stack to the connection provided to the common sewer.
- 6.10 Tunneling will not be allowed unless special permission is given.
- 6.11 Pipe and fittings shall not be backfilled beyond the compacted sand envelope until the work is inspected.
- 6.12 The drain layers shall be responsible for all defects in materials and workmanship for a period of one (1) year following completion of the sewer service installation.
- 6.13 When ledge is encountered in the excavations, a permit must be obtained from the Southwick Fire Chief if explosives are used.

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

ARTICLE 7

LOW PRESSURE SEWER SERVICE AREAS

7.1 Low pressure sewer service areas are areas within the total sewer service area that are served by individual grinder pumps and low pressure sewer mains. (the committee believes this should be defined in Section 1)

7.2 INSTALLATION OF SEWER SERVICE IN THE LOW PRESSURE SERVICE AREA

The special low-pressure sewer system areas are of the pressurized type. In order to assure the proper operation of the system it is necessary to install, below grade, a standard grinder-pump unit for each building or buildings serviced, between the building and the point of connection at the street sewer. This unit consists of a cylindrical encasement within which there is the grinder, motor, pump, tank, manway and all ancillary items. Piping from the building to the grinder inlet must permit gravity flow. The unit outlet to the point of connection at the street sewer must be compatible with the street and will accommodate flow under pressure generated by the unit.

All new and renovation connections constructed after the date of completion of Phase 1, which was initiated on November 1, 2004, (Wengell, McDonnell & Costello Consulting Engineers, (W.M.C.) Project No. 94094) of the sewer project will be served in the following manner:

The property owner must supply a grinder pump, apparatus and any other equipment regarding the connection to the sewer, effective **JANUARY 1, 2008**. No such grinder pump, apparatus or any other equipment shall be used by the property owner to connect to the sewer without prior approval from the Sewer Commissioners or their Agent. The property owner will be charged a connection fee as contemplated in Article 10 herein. The property owner must, at such owner's expense, install such unit and connecting services. Such installation shall include, without limitation, (a) excavation of the pit for the grinder pump unit, (b) excavation of trenches for piping between the building and the unit and between the unit and the street sewer, (c) the laying of a six (6) inch gravel pad at the base of the unit pit, on which pad the unit must be leveled, (d) the pouring of a concrete encasement around the bottom perimeter of the unit, a minimum of one (1) foot wide, and one (1) foot high, (e) the laying of requisite piping between the building and the unit and between the unit and the street sewer, (f) all electrical connection and wiring.

The aforementioned provision applies to any and all connections to phase one areas and any subsequent connections made to that system phase. They also apply to any subsequent phases or extensions to the sewer system.

The property owner shall convey to the Town a permanent easement for maintenance purposes.

7.3 The Town will allow the location of the unit as close to the single or two-family residential building as the owner desires, provided, however, that the owner shall first grant the Agent, in a form satisfactory to the Agent, an easement, for location and future maintenance of the unit and the piping, between the unit and the street sewer.

7.4 Intentionally Omitted

7.5 The piping between the single or two-family residential dwelling and the grinder-pump unit and between such unit and the street sewer, the concrete anti-flotation base and the electrical power connection facilities shall comply with the detailed technical specification in respect thereof set forth in Sections 6.1-6.13 hereof. Installation shall be performed only by qualified personnel licensed electrician, who shall be named in the application for the connection permit.

7.6 Each separate lot shall be required to have a separate pump unless it is specifically exempted from this requirement by the Agent. Exemptions may be granted if the separate lots are merged prior to the installation of the pump. The Agent may require a larger pump or multiple pumps with a greater capacity, if such a pump is necessary for the number of buildings, and facilities to be serviced. The Agent may also require a duplex pump based on the number of buildings and facilities to be serviced, based on the Agent's sole discretion.

If due to, the topography, the location of existing buildings, soil type and presence of ledge, it is not feasible in an engineering sense to install separate pumps, the Agent may allow use of a single pump with a larger capacity.

If there is a residential and business usage within the same building, the Agent may require the use of two separate pumps, to individually service the residence and the business.

If there is a single building containing dwelling units under separate ownership, the Agent may allow the use of a single pump with a larger capacity. For any single building with three or more dwelling units under separate ownership, separate pumps will be required for each dwelling unit.

- 7.7 Every building connection must be inspected and approved by the Agent before the trench is backfilled. The Agent may, at his discretion, permit the utilization of existing piping between the building and the grinder-pump unit, providing an inspection discloses that it is reasonably true to grade and that the pipe is in good condition. In the case of any such existing piping the Agent shall have the right to require the owner to uncover the full extent of such pipe to determine its condition and require its replacement with approved pipe, if the inspection discloses the existing pipe to be crushed or damaged in any manner. The cost of such an inspection including the cost of uncovering and replacing the pipe where necessary shall be the sole responsibility of the owner.
- 7.8 All excavations for building connections shall be adequately guarded with barricades and lights so as to protect the public from hazard. Streets, sidewalks, curbs, and other public property disturbed in the course of the work shall be restored to their previous condition and in a manner satisfactory to the Agent.
- 7.9 All connections to the public sewer system are made upon the express understanding and agreement of the property owner that:
- (a) The Town shall not be liable for any damage or expense resulting from leaks, stoppages, or defective plumbing or from any other cause occurring to any premises or within any house or structure when such damage or expense is found to have resulted from stoppages, damages or defects in any house connection nor shall the Town be liable for a deficiency or failure of service when occasioned by an emergency, required repairs, or failure from any cause beyond its control.
 - (b) The Town reserves the right to restrict the use of sewer service whenever the public welfare may require it.
 - (c) Upon due notice, the Agent shall have the right of access at all reasonable hours to all parts of any premises connected with the sewer system for the purpose of examining and inspecting the connection and fixtures, or for disconnecting service, or for any proper cause.
 - (d) The owner must give written notice to the Town upon any change in ownership of any improved property.
- 7.10 The installation of the grinder-pump unit, the connecting pipe and related facilities from the building to the unit and the pipe and related facilities from the unit to the street sewer shall be made in accordance with the detailed specifications hereinafter set forth as Section 6.10 through 6.13. Should any aspect of such specifications be unclear to the property owner he should seek further instruction from the Agent. Following installation, the Agent will periodically inspect and maintain the grinder-pump unit at the Town's expense on installations prior to the date referenced in Article 7.2, provided, however, that any damage caused to the unit as a result of the

discharge into the same of prohibited substances or other misuse by the property owner or caused by the physical collision or impact with the unit shall be repaired by the Town at the property owner's expense. The property owner shall, in all events, be responsible for the maintenance and repair of all sewer piping from the house to the pump, and the electric power service facilities, from the house to the electrical control panel.

- 7.11 The grinder-pump unit shall be located in a convenient location accessible to the Agent at all times. All sanitary drains from the house must be connected into one 4" diameter PVC plastic grinder-pump unit. Other connections to this line shall be made with the approved transition fittings resulting in an infiltration free construction.

Acceptable materials to extend the house connection to the PVC plastic inlet are:

Cast Iron Soil Pipe ASTM #A74-42 or equal

ABS Plastic Pipe ASTM #D- 1788 or equal

PVC Plastic Pipe Schedule 40 or SDR 26

Changes in direction shall be made only with properly curved pipe and fittings.

All joints and connections shall be made gastight and watertight in a manner approved by the Agent.

Approved plastic pipe joints shall be fully chemically welded with plastic solvent in strict accordance with pipe manufacturer's recommendations.

Other joining materials and methods may be used only with prior written approval of the Agent.

All excavations required for the installation of a building sewer shall be open trench unless otherwise approved by the Agent. Pipe laying and backfill shall be performed in accordance with ASTM specification (C12-19) except that no backfill shall be placed until the work has been inspected.

Building connections must be provided with adequate cover to protect the pipe from crushing or frost action. Each building structure must be provided with a clean-out and vent. The property owner is in all cases responsible for the continued maintenance of the building connection.

- 7.12 Excavation for the grinder-pump unit shall be to a depth to properly accommodate the grinder pump unit. The bottom of the excavation shall be level and all loose material removed by hand shoveling. Minimum diameter of the base of the excavation shall be large enough to accommodate the grinder pump unit. A six-inch deep layer of gravel or crushed stone shall be placed under the grinder pump unit.

The grinder-pump unit shall be leveled on the gravel base and rotated into proper alignment with the house sewer and discharge line. The inlet shall be solvent welded to the tank connection and extended towards the house sewer.

Unless the concrete collar is pre-cast, the grinder-pump tank shall be partially filled with water, then the required concrete collar shall be placed around the unit.

After completing electrical and piping connections, the Agent shall be notified for inspection of the installation.

After approval by the Agent, the excavation for the grinder pump unit shall be backfilled. Each layer shall be "Hand tamped" to minimize future settling. No stones, sticks or other debris shall be placed adjacent to the fiberglass tank, wiring or pipes.

- 7.13 Electrical service shall be provided to the grinder-pump control panel by the homeowner. Electrical installation shall meet the requirements of all local, state and National Electrical Codes. Each unit shall be provided with a 240 VAC, three conductor, plus ground single phase power circuit direct from the house service panel. This circuit shall be protected with a 2 pole 30 amp circuit breaker. Wire sizes shall be as follows:

Total Length of Wire Required	Minimum Wire Size
1-50 feet	#10
50-75 feet	#10
75-100 feet	#8
Beyond 100 feet	Consult Agent

Each grinder-pump unit shall be provided with an approved unfused lockable 3 pole disconnect switch in a 3-R weatherproof enclosure control panel. The switch shall be located outside the residence or place of business at a height of 4'-0" from the bottom of the enclosure to the ground. The switch shall be located not more than 50' in front and in sight of, the grinder-pump unit. Easy access to the switch shall be maintained at all times. Any National Electric Code approved wiring method may be used. The grinder-pump unit shall have a warning light and an audible alarm in the event of a pump failure.

The Installation Manuel for grinder pump shall be controlling and in the event there are any inconsistencies between these regulations and the requirements contained in the Installation Manuel, the requirements in the Installation Manual shall be governed.

- 7.14 The discharge line shall include the piping and appurtenances supplied by the property owner with hookup labor and a Town supplied redundant check valve, if necessary. This valve shall be attached to the curb stop. Discharge piping shall be 1-1/4" SDR 26 PVC pipe, buried a minimum of forty eight (48") inches deep. Pipe shall be laid in a 4-inch bed of sand and covered with 6 inches of sand.

ARTICLE 8

USE OF THE PUBLIC SEWERS

- 8.1 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.
- 8.2 Stormwater and all other unpolluted drainage shall be discharged to such sewers which are specifically designated as storm sewers, or to a natural outlet approved by the Agent. Industrial cooling water or unpolluted process waters may be discharged, on approval of the Agent, to a storm drain, combined sewer, or natural outlet.
- 8.3 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 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 5.5 or having any other corrosive property capable of causing damage or hazard to structures, equipment and personnel of the sewage works.
 - (d) Any waters or wastes having a pH higher than 9.5.
 - (e) 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 the sewage works such as, but not limited to, ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, garbage, blood, paunch manure, hair and flesh, entrails, paper dishes, cups and milk containers..

- (f) Any waters or wastes containing excessive amounts of iron, chromium, copper, zinc, and similar objectionable or toxic substances, or wastes exerting an excessive chlorine requirement.
- 8.4 No person shall discharge or cause to be discharged the following described substances, materials, waters or wastes if it appears likely, in the opinion of the Agent, that such wastes 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 his opinion as to the acceptability of these wastes, the Agent 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 process, degree of treatability of wastes in the sewage treatment plant and other pertinent factors.

SUBSTANCES PROHIBITED

- (a) Any liquid or vapor having a temperature greater than one hundred and forty degrees Fahrenheit (140 F°) (60° C) at the point of discharge.
- (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 thirty-two and one hundred fifty degrees Fahrenheit (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 equipped with a motor of three-fourth (3/4) horsepower (0.76 hp metric) or greater shall be subject to the review and approval of the Agent.
- (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 phenols or other taste or odor producing substances, in such concentrations exceeding limits which may be established by the Agent as necessary, after treatment of the composite sewage to meet the requirements of the Commonwealth, Federal or other public agencies or jurisdiction for such discharge to the receiving waters.
- (f) Any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established by the Agent in compliance with applicable State or Federal regulations.
- (g) Any waters or wastes having a pH lower than 5.5 or greater than 9.5.

(h) Materials which exert or cause:

1. Unusual concentrations of inert suspended solids (such as, but not limited to fullers 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 (COD), 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.

(i) 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.

8.5 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 7.4 of this Article, and which in the judgment of the Agent 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 Agent 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 not covered by existing taxes or sewer charges.

If the Agent permits the pretreatment or equalization of waste flows, the design and installation of the plans and equipment shall be subject to the review and approval of the Agent and subject to the requirements of all applicable codes, regulations and laws.

- 8.6 Grease, oil and sand interceptors shall be provided when, in the opinion of the Agent, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts or any flammable wastes, sand or other harmful ingredients; except that interceptors shall not be required for private living quarters or dwelling units. All such interceptors shall be of a type and capacity approved by the Agent and shall be located as to be readily and easily accessible for cleaning and inspection.

All commercial businesses that have licenses issued by the Board of Health, for the purposes of preparing and/or serving food, shall be required to have a grease trap sized by the Agent sized by plumbing or other applicable codes. No grandfather clause is permitted. All grease traps must be pumped a minimum of every three months. Those establishments that do not comply with installing or pumping their grease traps may have their food license revoked by the Board of Health, after being properly notified.

More frequent grease trap pumping may be required by the Agent based on past, present and future use. (the committee is questioning how they could be based on something in the future)

- 8.7 Where preliminary treatment or flow-equalizing facilities (committee is questioning this provision) are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his/her expense.
- 8.8 When required by the Agent (the committee is wondering what the criteria is for this is), the owner of any property serviced by a building sewer carrying industrial wastes shall install a suitable control manhole together with such necessary meters and other appurtenances in the building sewer to facilitate observation, sampling and measurement of the wastes. Such manhole, when required, shall be accessible and safely located and shall be constructed in accordance with plans approved by the Agent. The manhole shall be installed by the owner at his/her expense and shall be maintained to be safe and accessible at all times.
- 8.9 All measurements, tests and analyses of the characteristics of waters and wastes to which reference is made in these Regulations shall be determined in accordance with the latest edition of "Standard Methods for the Examination of Water and Wastewater", published by the American Public Health Association, and shall be determined at the control manhole provided, or upon suitable samples taken at said control manhole. In the event that no special manhole has been required, the control manhole shall be considered to be the nearest downstream manhole in the public sewer to the point at which the building sewer is connected. Sampling shall be carried out by customarily accepted methods to reflect the effect of constituents upon the sewage works and to determine the existence of hazards to life, limb and property.

All industries discharging into a public sewer shall perform such monitoring of their discharges as the Agent and/or other duly authorized employees of the Town may reasonably require, including installation, use, and maintenance of monitoring equipment, keeping of records and reporting the results of such monitoring to the Agent. Such records shall be made available upon request by the Agent to other Agencies having jurisdiction over discharges to the receiving waters.

8.10 No statement contained in this Article shall be construed as preventing any special agreement or arrangement between the Town and any industrial concern whereby an industrial waste of unusual strength or character may be accepted by the Town for treatment, subject to payment therefore by the industrial concern.

8.11 Any user who is connected the Town's sewer system is hereby deemed to have consented to the City of Westfield's agency relationship to the Town for the purposes of enforcing the Town's sewer bylaws or regulations.

ARTICLE 9

PROTECTION FROM DAMAGE

9.1 No person shall maliciously, willfully or negligently break, damage, destroy, uncover, deface or tamper with any structure, appurtenance or equipment which is a part of the sewage works. Any person violating this provision shall be subject to immediate arrest.

DAMAGE TO GRINDER PUMP

9.2 In the event of a malfunction or total failure of a grinder pump, the Town or its agents will restart, repair or replace the grinder pump, controller, piping and/or any other components to restore system functionality, if the Town originally provided and installed the grinder pump. See Article 7. If the Town or its agents determine that the problem with the grinder pump or other components in the system was caused by the property owner, renter, occupant or visitor of a premises, whether willful or negligent, the property owner shall be responsible for the costs and expenses associated with restoring the system functionality. If the grinder pump was provided and installed by the property owner or his/her agent, the property owner shall be required to restart, repair or replace the grinder pump, controller, piping and/or any other components to restore system functionality in the event of a malfunction or total failure of a grinder pump.

9.3 Damage to a grinder pump or overall system performance resulting from any "prohibited substance" as defined in these Regulations (see Article 8), that are willfully or negligently allowed to enter the sewer system, will be the sole responsibility of the property owner. The property owner(s) will be responsible for

the following expenses incurred in repairing and/or replacing the grinder pump, controller and/or other components:

- a) Basic system troubleshooting/service minimum
 - b) Replace pump core (balance can be rebuilt)
 - c) Pump tank
 - d) Replace entire pump assembly (balance cannot be rebuilt)
 - e) Power source troubleshooting up to controller
 - f) Controller replacement
 - g) Replace damaged/destroyed pump cavity cover
 - h) Replace or repair damaged/destroyed piping
- 9.4 Any property owner(s) aggrieved by a determination of an Agent of the Town that such property owner(s) is liable for any repair and/or replacement as a result of damage caused to the grinder pump, controller and/or other components, may dispute such determination by filing a written request for an appeal with the Sewer Commissioners within (14) days after receiving notice of such determination.
- 9.5 The Sewer Commissioners shall then schedule a hearing to be held within (30) days of the filing of such request for an appeal. The Sewer Commissioners shall provide a written determination of the aggrieved person(s) appeal within (30) days of the hearing.

DAMAGE TO SEWER SYSTEM

- 9.6 It is the responsibility of the public to ensure that the Sewer is not compromised by any prohibited actions and all regulations contained herein shall be adhered to in their entirety. Any violation of any provision of this Regulation shall be enforced in accordance with Article 10.
- 9.7 In the event that it is determined that a person(s) has caused damage to the Sewer, willfully or negligently, said person(s) found responsible shall be liable to the Town for any and all expenses relating to the repair and/or replacement, including but not limited to:
- a) cost of man hours for Town employees and/or contractors hired by the town to complete assessment, repair and/or replacement, said cost shall be calculated using the hourly rate equal to that of the current cost structure at the time of the assessment, repair or replacement;
 - b) total cost and expenses associated with any vehicles or equipment required in the assessment, repair and/or replacement;
 - c) total cost for any equipment required to be replaced by the Town
 - d) costs associated with any landscaping and site restoration that may need to be completed by the Town as a result of the repair and/or replacement to restore the site to the condition prior to said repair and/or replacement; and

- e) costs associated with any environmental cleanup as a result of the person(s) willful or negligent conduct.
- 9.8 Any person(s) aggrieved by a determination of an Agent of the Town that such person(s) is liable for any repair and/or replacement as a result of damage caused to the sewer, treatment process or equipment, may dispute such determination by filing a written request for an appeal with the Board of Selectmen as Sewer Commissioners within (14) days after receiving notice of such determination.

The Board of Selectmen shall then schedule a hearing to be held within (30) days of the filing of such request for an appeal. The Board of Selectmen shall provide a written determination of the aggrieved person(s) appeal within (30) days of the hearing.

ARTICLE 10

SEWER CONNECTION FEE CALCULATION

10.1 Determination of Original EDU/Phase I

The original EDU for each applicable property in the Town of Southwick was determined by the Sewer Commissioners in accordance with the then current regulations contained in the Code of Massachusetts Regulations (310 CMR 15.203) as amended. A copy of the current spreadsheet illustrating EDU designation for each applicable property is appended hereto and incorporated herein, as may be amended from time to time. The aforementioned spreadsheet shall be amended on a regular basis by the Sewer Implementation Committee to insure accurate designations.

10.2 Designation of Sewer Connection Fee/Phase II and Additional Connections to Phase I made after the effective date of these regulations

For all properties the design flow values may be determined by the Sewer Commissioners or their agent based on the recommended design flow values found in 310 CMR 15.203 (Title V design criteria) as amended, or based on estimates of the long term average flow for the facility or other method deemed appropriate by the Sewer Commissioners. Upon redevelopment or change of use of a property, the Sewer Commissioners or their agent will re-evaluate the design flow values and adjust the value if the proposed use change constitutes a greater flow value.

The connection fee shall be calculated by the Sewer Commissioners or their Agent in accordance with the provisions of Section 10.3 stated below and shall be amended from time to time to be current with the recommended design flow values found in 310 CMR 15.203 (Title V design criteria) as amended, or based

on estimates of the long term average flow for the facility or other method as deemed appropriate by the Sewer Commissioners. The Sewer Commissioners or their agent shall provide an addendum to these regulations in the form a new calculation, which shall be serve as an amendment to Section 10.3

10.3 Additional Sewer Connection Fee

Based upon the provisions of 310 CMR 15.203 and the estimates of the Sewer Commissioners, the following formula shall be used to calculate the Sewer Connection Fee as contemplated herein:

“X”= minimum flow rate
“Y”= variable for type of building

(X x Y) x Dollar Value* = Connection Fee

*The Dollar for the connection fee Value has been set by the Sewer Commissioners to be \$6,660.98 for each .75 EDU as it represents .75 per EDU for those parties who did their own on lot work and paid to tie in under phase one.

Original Sewer Betterments Assessments were determined by the following formula, which, unless amended by the Sewer Commissioners shall be:

Net loan after grants or other revenue offsets divided by EDU’s = amount per /EDU.

The connection fee excludes all on lot costs for design and construction of the lateral connection to the Town sewer system.

10.4 Payment of Sewer Connection Fee

The Sewer Connection Fee assessed in accordance with the aforementioned provisions will be payable in the same manner as provided for the initial Sewer Betterment Assessment. In the event that payment cannot be made immediately in the full amount of the Sewer Connection Fee, then the person or entity assessed the Sewer Connection Fee will have the option of paying the balance over a period of time as determined by the Sewer Commissioners or their agent.

10.5 Person’s Aggrieved

Any person or entity aggrieved by a decision of the Director of the Public Works or its agent may appeal a decision rendered pursuant to this section to the Board of Selectmen as Sewer Commissioners within thirty (30) days of the issuance of notice of an Sewer Connection Fee by filing a Notice of Appeal in the Board of Selectmen’s Office. The Board of Selectmen shall hold a hearing to review said

Additional Sewer Connection Fee within thirty (30) days of Notice of Appeal and issue a decision within thirty (30) days of said hearing.

ARTICLE 11

POWERS AND AUTHORITY OF INSPECTORS

- 11.1 The Agent and other duly authorized employees of the Town shall be permitted, upon due notice, to enter all properties connected to the public sewer for the purposes of inspection, observation, measurement, sampling and testing in accordance with the provisions of these Regulations. The Agent or his representative 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 sewers or waterways or facilities for waste treatment.
- 11.2 While performing the necessary work on private properties referred to in Article 9 Section 1 above, the Agent or duly authorized employees of the Town shall observe all safety rules applicable to the premises established by the owner and the owner shall be held harmless for injury or death to the Town employees. The Town shall indemnify the owner against loss or damage to his property by Town employees and against liability claims and demands for personal injury or property damage assessed against the owner and growing out of the gauging and sampling operation except as such may be caused by negligence or failure of the owner to maintain safe conditions as required in Article 7 Section 8.
- 11.3 The Agent and other duly authorized employees of the Town shall, upon due notice, be permitted to enter all private properties through which the Town holds a duly negotiated easement for the purposes of, but not limited to, inspection, observation, measurement, sampling, repair 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 negotiated easement pertaining to the private property involved.

ARTICLE 12

PENALTIES

- 12.1 Any person found to be violating any provision of these Regulations, except Article 8, shall be served by the Town 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.

- 12.2 Any person who shall continue to fail to comply with these Regulations or with any order issued pursuant to the same shall be subject to penalties provided for in the non-criminal disposition procedures as set forth in the by-laws of the Town. For the purposes of this section, the Sewer Commissioners or their Agent(s) shall have the authority to enforce the provisions of these Regulations. Each day shall constitute a separate offense. The fine associated with a violation of these Regulations shall be one hundred dollars (\$100.00) for each offense.
- 12.3 Any person violating any of the provisions of these Regulations shall become liable to the Town for any expense, loss or damage occasioned by the Town by reason of such violation.
- 12.4 Any person violating any of the provisions of these Regulations may be liable to agencies of the Commonwealth of Massachusetts or Federal Government and nothing in these regulations shall be construed to limit actions to be taken by said agencies.

ARTICLE 13

VALIDITY

- 13.1 All previous Regulations or parts of previous Regulations in conflict herewith are hereby repealed.
- 13.2 The invalidity of any section, clause, sentence or provision of these Regulations shall not effect the validity of any other part of these Regulations, which can be given effect without such invalid part or parts.

ARTICLE 14

ADDITIONAL REGULATIONS

- 14.1 Pursuant to Section 2.3 of the “Intermunicipal Agreement”, the City of Westfield’s sewer use ordinances and/or regulations are hereby incorporated by reference, and shall apply whenever they are stricter or pertain to matters not addressed by the Town’s regulations, to the extent that such provisions are legally valid.

EXHIBIT "A"

<u>Town of Southwick</u> <u>Sewer System Hookup Checklist:</u>

All new business and residential sewer hookup applicants must complete the following checklist of items with the assistance of the designated Town Departments.

Complete a sewer hookup application with the Department of Public Works.

DPW approval _____

1. Review the need for a water /oil separator or tight tank installation for all business hookups with The Board of Health, Conservation Coordinator and DPW, Plumbing Inspector.

Plumbing Insp. _____
BOH Approval _____
DPW Approval _____
Con. Comm. Approval _____

2. Submit an engineered plan of the installation to the DPW. Provide the type of pipe to be used, oil/water separator equipment, tight tank equipment, inverts of pipes, and the layout of the horizontal runs of the pipes. New sewer hookups may be subject to DEP approval. (see item 3A)

BOH Approval _____
DPW Approval _____
Con Comm. Approval _____

3. The contractor or drain layer proposed to do the work must be licensed and registered with the Town of Southwick.

DPW Approval _____

4. Drain layer must provide a certificate of insurance to the applicant and Town naming the Town of Southwick as additionally insured. See Article Two of the Southwick Sewer Use Regulations.

DPW Approval _____

5. Applicant and Drain layer must acknowledge the receipt and understanding of the "Sewer Use Regulations for Connections to the Southwick Sewer System."

Applicant Signature _____

6. Review of plans by the Department of Public Works to determine whether there will be an increase in EDU thereby requiring a sewer connection fee.

DPW Approval _____

7. System Installation must be inspected by the Drain Layer Inspector, Board of Health, and Plumbing Inspector for the Town of Southwick. All approvals must be completed prior to backfilling of the pipe trench. Grinder pump installations must also be approved by the Town Electrical Inspector.

BOH Approval _____
DPW Approval _____
Drain Layer Approval _____
Electrical Approval _____
Plumbing Approval _____

8. The existing septic tank must be decommissioned by the pumping of its contents and crushing of the tank. Filling of the tank with flowable fill concrete is also acceptable.

Drain Layer Approval _____
DPW Approval _____