

**TOWN OF DOVER-FOXCROFT**  
**SEWER ORDINANCE - 2010**

An ordinance to promote health and general welfare, to prevent disease, and to provide for safety by regulating the use of public and private sewers and drains, private sewage disposal, the installation and connection of building sewers and the discharge of waters and wastes into the public sewer system, and to provide for penalties for violations thereof in the Town of Dover-Foxcroft, County of Piscataquis, State of Maine.

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## ARTICLE I DEFINITIONS

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

- Section 132 - A.S.T.M. shall mean American Society for Testing Materials.
- Section 122 - B.O.D. (denoting Biochemical Oxygen Demand) shall mean the quantity of oxygen utilized in the biochemical oxidation of organic matter under the standard laboratory procedures in five (5) days at twenty (20) degrees Centigrade, expressed in parts per million by weight.
- Section 102 - Board of Selectmen shall mean the duly elected Board of Selectmen of the Town of Dover-Foxcroft or their authorized deputy or representatives.
- Section 108 - Building Drain shall mean the part of the lowest horizontal piping of a drainage system which receives sanitary sewage discharge from inside the walls of the building and conveys it to the building sewer beginning eight (8) feet outside the interface of the building wall.
- Section 109 - Building Sewer shall mean the pipe extending from the Building Drain that transports sanitary sewer to a public sewer.
- Section 113 - Combined Sewer shall mean a sewer receiving both storm runoff and sewage.
- Section 129- Contractor shall mean any person, firm, or corporation doing the actual construction work on private property or within the public right-of-way of the Town of Dover-Foxcroft, Maine.
- Section 133 - D.E.P. shall mean Department of Environmental Protection.
- Section 126 - Developer or Builder shall mean any person, persons, or corporation who undertake to construct either under contract or for resale, any habitable building, building sewer service or sewer main extension.
- Section 128 - Easement shall mean right an acquired legal right for the specific use of land owned by others.
- Section 125 - Floatable Oil shall mean oil, fat, or grease in such state that it will separate from sewage by gravity or floatation and could accumulate in and adversely affect the Sewage Works.

- Section 119 - Garbage shall mean solid wastes from the preparation, cooking, and dispensing of food, and from the handling, storage, and sale of produce.
- Section 127 - Habitable Building shall mean any manmade structure intended to be utilized for commerce, industry, or residential uses.
- Section 118 - Industrial Wastes shall mean the liquid wastes from significant industrial establishments as distinct from sanitary sewage and when:
- a) It contributes more than the average daily flow of 50,000 gallons.
  - b) It has a flow greater than 5% of the average daily flow of the Sewage Treatment Plant.
  - c) It has in its wastes toxic or incompatible pollutants as defined by State or Federal Law.
  - d) It has a significant impact either singly or in combination with other industries on the quality of Sewage Works effluent or sludge.
- Section 103 - Manager shall mean the Town Manager of Dover-Foxcroft.
- Section 115 - Natural Outlet shall mean any outlet into a water-course, ditch, pond, Lake, or other body of surface or ground water.
- Section 123 - pH shall mean the logarithm of the reciprocal of the concentration of the hydrogen ions in grams-ionic weight per liter of the solution, and is a term used to express the relative acidity or alkalinity of a substance or solution.
- Section 120 - Properly Shredded Garbage shall mean garbage that has been shredded to such a degree that all particles will be carried freely under flow conditions that normally prevail in a public sewer with no particle greater than 1/2 inch in any dimension.
- Section 130 - Property Line For the purpose of this Ordinance, a Property Line is a legal boundary line between two private properties or the legal property line between a private lot and the public right-of-way.
- Section 110 - Public Sewer shall mean a sewer in which all owners of abutting property have equal rights and which is controlled by public authority.
- Section 105 - Sanitary Sewage shall mean water carried wastes from residences, business buildings, institutions, and industrial establishments with all sources of surface and storm water excluded prior to introduction to the building sewer.
- Section 111 - Sanitary Sewer shall mean a sewer which carries sewage and to which storm, surface, and ground waters are not intentionally admitted.

- Section 136 - Service Area shall mean all areas where public sewer mains are available for use in accordance with this Ordinance.
- Section 114 - Sewage Treatment Plant shall mean any arrangement of devices and structures used for treating sewage and industrial wastes.
- Section 107 - Sewer shall mean a pipe or conduit for carrying sewage.
- Section 134 - Shall is mandatory; May is Permissive.
- Section 117 - Significant Industrial User shall mean a user that contributes Industrial Waste as defined in Section 118 to the publicly owned treatment work POTW. Industrial users who's wastewater does not exceed the limits defined in Section 118 is not considered a Significant Industrial User.
- Section 121 - Slug shall mean any discharge to a public sewer which in any given constituent or quantity of flow, exceeds for any period of time longer 15 minutes, 5% of the average daily flow.
- Section 135 - Standard Methods shall mean the latest edition of the publication. (Standard Methods for the Examination of Water & Wastewater, published by A.P.H.A., by A.W.W.A., and W.P.C.F.)
- Section 131 - State Plumbing Code shall mean the State of Maine Plumbing Code, as amended from time to time.
- Section 112 - Storm Sewer or Storm Ditch shall mean a pipe or conduit which carries storm and surface waters and drainage but excludes sewage and industrial wastes.
- Section 104 - Superintendent shall mean the individual retained or designated by the Manager to supervise and oversee the operation and maintenance of the Municipal sewer system and treatment facilities.
- Section 124 - 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 in accordance with "Standard Methods".
- Section 101 - Town shall mean the Town of Dover-Foxcroft, Maine.
- Section 106 - Wastewater Facilities or Publically Owner Treatment Works (POTW) shall mean all Municipal wastewater facilities, for collecting, conveying, pumping, treating, and disposing of sewage and industrial wastes.

Section 116 - Watercourse shall mean a channel in which a flow of water occurs, either continuously or intermittently.

**ARTICLE II**  
**USE OF PUBLIC SEWERS REQUIRED**

Section 201 - It shall be unlawful to discharge to any watercourse, either directly or through any storm sewer within the Service Area, or to any area under the jurisdiction of the Town any sewage, industrial wastes, or other polluted waters, except where suitable treatment has been provided in accordance with federal, state and local laws.

Section 202 - Except as hereinafter provided, it shall be unlawful to construct any privy, privy vault, septic system, cesspool, leaching pit, or other facility intended for the disposal of sewage within the service area.

Section 203 - The owner of any habitable building situated within the Service Area and within 200 feet of an existing public sewer main, is hereby required, at his expense, to install suitable toilet facilities therein, and to connect such facilities to the proper public sewer, in accordance with the provisions of this local law, within ninety (90) days after the date of official notice to do so, provided, however, that where excavation of the public highway is otherwise prohibited by State law or regulation, or where unusual hardship exists due to the presence of ledge, or other causes, the Board of Selectmen may grant exceptions upon specific application of the owner or lease of such properties, with such conditions as the said Board of Selectmen may impose.

The owner of any lot approved for development within the Service Area, shall be assessed a "readiness to serve" charge in accordance with the Article XII of this Ordinance. Charges shall apply to each approved lot within approved developments including subdivision.

Section 204 - No builder or developer shall be issued a building permit for a new dwelling or structure requiring sanitary facilities within the Town, unless a suitable and approved method of waste disposal is proposed and approved.

### ARTICLE III USE OF PUBLIC SEWERS

- Section 301 - No person shall discharge or cause to be discharged any storm water, surface water, ground water, roof runoff, subsurface drainage, cooling water, or unpolluted industrial process water, to any sanitary sewer from any building or facility without consent of the Board of Selectmen.
- Section 302 - Storm water and all other unpolluted drainage shall be discharged to storm sewers, or to a natural outlet, as approved in writing by the Board of Selectmen. Industrial cooling waters or unpolluted process waters may be discharged, upon written approval of the Board of Selectmen, to a storm sewer or natural outlet, provided however, that such discharge shall be in accordance with all State and Federal regulations and local regulations.
- Section 303 - Except as hereinafter provided, no person shall discharge or cause to be discharged any of the following described waters or wastes to any public sewer:
- a) Any liquid or vapor having a temperature higher than one hundred fifty (150) degrees Fahrenheit.
  - b) Any water or waste which may contain more than one hundred (100) parts per million, by weight, of fat, oil, or grease.
  - c) Any gasoline, benzene, naphtha, fuel oil, lubricating oils, or other flammable or explosive liquids, solids, or gases.
  - d) Any garbage that has not been properly shredded.
  - e) Any discharges described in Article VI and VII of this ordinance.
  - f) Any ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, paunch manure, or any solid or viscous substance capable of causing obstruction to the flow in sewers or other interference with the proper operation of the sewage works.
  - g) Any waters or waste having a pH lower than 6.5 higher than 8.5 or having any other corrosive property capable of causing damage or hazard to structures, equipment, and personnel of the sewage works.
  - h) Any waters or wastes containing a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewerage treatment process which constitute a hazard to humans or animals, or which create any hazard in the receiving waters or the sewage treatment plant.
  - i) Any waters or wastes containing suspended solids of such character and quantity that unusual attention or expense is required to handle such materials at the sewage treatment plant.
  - j) Any noxious or malodorous gas or substance capable of creating a public nuisance.

Section 304 - Grease, oil and sand interceptors or traps shall be required at no cost to the Town when, in the opinion of the Board of Selectmen, they are necessary for the proper handling of liquid wastes containing grease in excessive amounts, or any flammable wastes, sand and other harmful ingredients; except that such interceptors shall not be required for private living quarters or dwelling units. All interceptors shall be of a type and capacity approved by the Board of Selectmen and shall be located as to be readily and easily accessible for cleaning and inspection. Grease and oil interceptors or traps shall be constructed of impervious materials capable of withstanding abrupt and extreme changes in temperature. They shall be of substantial construction, watertight, and equipped with easily removable covers which, when bolted in place, shall be gastight and watertight. Any new construction of, change in ownership of, or expansion of a food preparation facility such as restaurant, hospital or convalescence facility with food preparation, school cafeteria, bakery, etc. shall be required to install an external grease trap. Grease and oil interceptor or traps must be inspected and approved by the Board of Selectmen before being put into service.

Section 305 - Where installed, all grease, oil and sand interceptors or traps shall be maintained by the owner, at his expense, in continuously efficient operation at all times.

Section 306 - The admission into the public sewers of any waters or wastes having (a) a 5-day B.O.D. greater than three hundred (300) parts per million by weight, or (b) containing more than three hundred fifty (350) parts per million by weight of suspended solids, or (c) containing any quantity of substance having the characteristics described earlier in this Article, or (d) having an average daily flow greater than two per cent (2%) of the average daily flow of the Town shall be subject to the review and approval of the Board of Selectmen. If deemed necessary by the Board of Selectmen, the owner may be required to have an Engineering Evaluation conducted related to the impact of the discharge upon the public sewer system and treatment plant. The review shall be paid for by the owner. Where necessary in the opinion of the Board of Selectmen, the owner shall provide, at his expense, such pretreatment as may be necessary to (a) reduce the 5-Day B.O.D. to three hundred fifty (300) parts per million, or (b) reduce the suspended solids to three hundred fifty (350) parts per million by weight, or (c) reduce objectionable characteristics or constituent to within the maximum limits provided for in Section 303, or (d) control the quantities and rates of discharge of such waters or wastes. Plans, specifications and any other pertinent information relating to proposed preliminary treatment facilities shall be submitted for the approval of the Board of Selectmen and of the Department of Environmental Protection of the State of Maine. No Construction of such facilities shall be commenced until said approvals are obtained in writing.

- Section 307 - Where pretreatment facilities are provided for any waters or wastes, they shall be maintained continuously in satisfactory and effective operation by the owner at his expense. These facilities shall be licensed in accordance with the State of Maine Laws and operators shall also have the proper licensing for the operation of such plants.
- Section 308 - All industries discharging into a public sewer shall perform such monitoring of their discharges as the Board of Selectmen may reasonably require, including installation, use, and maintenance of monitoring equipment, control and sampling manholes therefore, keeping records and reporting the results of such monitoring to the Superintendent. Such records shall be made available upon request by the Board of Selectmen to other agencies having jurisdiction, over discharges to the receiving waters.
- Section 309 - All measurements, tests, and analyses of the characteristics of waters and wastes to which reference is made in this Article shall be determined in accordance with "Standard Methods for the Examination of Water and Sewage", and shall be determined at the control or sampling manhole provided for in this Article, or upon suitable samples taken at said control or sampling structure.
- Section 310 - For industrial wastes of unusual volume, strength or character, special agreements shall be required between the Town and the industry concerned providing for the acceptance of such wastes in the municipal system.

## ARTICLE IV PRIVATE SEWAGE DISPOSAL

- Section 401 - Where a public sanitary sewer is not available under the provisions of Article II, the building sewer shall be connected to a private sewage disposal system complying with the provisions of this Article and the "Maine Subsurface Wastewater Disposal Rules."
- Section 402 - Where access to a Public Sanitary Sewer becomes available later, the building sewer may remain connected to a private sewage disposal system, if upon inspection by the Local Plumbing Inspector, and subsequent certification in writing to the Board of Selectmen at no cost to the Town, such a system is deemed to be properly working and in accordance with applicable State laws and regulations.
- Section 403 - At such time as a public sewer becomes available to a property served by a private sewage disposal system, and all conditions of this Article are not met; connection shall be made to the public sewer in accordance with Article V of this Ordinance. Any septic tanks, cesspools, or similar private sewage disposal facilities shall be abandoned and filled with suitable material. Any and all costs of this connection shall be the responsibility of the owner.
- Section 404 - Construction of private sewage disposal systems shall comply in all respects with requirements of the Maine Subsurface Wastewater Disposal Rules.
- Section 405 - Before commencement of construction of a private sewage disposal system, the owners shall first obtain a written permit signed by the Local Plumbing Inspector. The application for such a permit will be made on a form furnished by the Local Plumbing Inspector and shall be supplemented by any plans, specifications or other information he or she deems necessary. A permit and inspection fee shall be paid to the Local Plumbing Inspector at the time the application is filed.
- Section 406 - The type, capacities, location, and layout of a private sewage disposal system shall comply with the State of Maine Plumbing Code Part II- "Subsurface Wastewater Disposal Rules" and the "Minimum Lot Size Law" -Title 12 M.R.S.A. - Chapter 423A. No private sewage disposal system shall be permitted to discharge to any natural outlet.
- Section 407 - The owner shall operate and maintain the private sewage disposal facilities in a sanitary manner at all times, at no expense to the Town.
- Section 408 - No statement contained in this Article shall be construed to limit any additional requirements that may be imposed by the Health Officer.

**ARTICLE V**  
**BUILDING SEWERS AND CONNECTIONS TO PUBLIC SEWERS**

- Section 501 - The provisions of this Article shall be deemed to supplement provisions of the State Plumbing Code with respect to Building Sewers and connections thereof to public sewers. In event of conflicts between this Article and the State Plumbing Code, any more restrictive provisions of this Article shall be deemed to apply. Permits and Fees stipulated hereunder are additional to any permits or fees, or both, required under the state Plumbing Code.
- Section 502 - No person shall uncover, use, alter or disturb a public sewer or appurtenances thereof without first obtaining a written permit from the Board of Selectmen. 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 Board of Selectmen at least thirty (30) days prior to the proposed change or connection, and shall comply with Maine Revised Statutes Annotated-Title 38-Chapter 3-Subchapter 1-Section 361.
- Section 503 - The owner, or his agent, of any private lot, home, business, or industry intending to connect to the public sewer shall make application to the Board of Selectmen. The permit application shall be supplemented by any plans, specifications, or other information considered pertinent in the judgment of the Board of Selectmen. All applicable fees, such as permit application, inspection, and sewer system development charge shall be in accordance with Article XII of this Ordinance and the Schedule of Sewer Service Rates.
- Section 504 - Existing Building sewers may be used in conjunction with new buildings provided the piping type is of acceptable quality and in acceptable condition as determined through the testing procedures of Article IX of this Ordinance.
- Section 505 - Testing of the building sewer installation shall be done at no cost to the Town, in the presence of the Board of Selectmen, and in accordance with Article IX of this Ordinance.
- Section 506 - The connection of the building sewer to a public sewer shall conform to the requirements of the building or plumbing code of the Town of Dover-Foxcroft. All such connections shall be made gastight and watertight and verified by proper testing. Any deviation from the prescribed procedures and materials must be approved by the Board of Selectmen prior to installation.

Section 507 -

A separate and independent building sewer shall be provided for every building unless upon request to the Board of Selectmen, two or more property owners apply to stay connected to an existing "common line". In the event that two or more property owners apply to stay connected to a single building sewer, the following submittal must be made to and approved by the Board of Selectmen:

A) A written legal agreement signed by all of the property owners and drafted and recorded at the Registry of Deeds by an attorney that states in effect that:

(1) The person who owns the land which another person crosses to connect into his building sewer grants the other person legal rights via his deed or an easement for purposes of installation, maintenance or line replacement.

(2) The involved property owners agree to assume responsibility for any costs associated with this agreement under the following two cases:

- In the situation where connection of the common line is made to a public sewer on private land via an easement granted to the Town, the public sewer would be considered main line plus 20 feet off the main line.

- In the situation where the common line would be connected to public sewer in a public right of way, the public sewer will be considered the main line plus a stub service line to the property line of the abutting property owner.

B) Whether or not incorporated into such legal agreement, the common line must meet the requirements of this Sewer Ordinance to the same extent as if this were a single building sewer line before the same is connected to the Public Sewer.

Section 508 -

Material specifications and installation procedures shall be as defined in Article IX of this Ordinance.

Section 509 -

New building sewer services shall comply with Article IX of this Ordinance.

Section 510 -

No building sewer shall be connected to the public sewer until that building sewer has been tested in the presence of a representative of the Board of Selectmen and certified watertight by a licensed plumber and to have metal testing requirements set forth in Article IX of this Ordinance.

- Section 511 - The size and slope of the building sewer shall be subject to the approval of the Board of Selectmen, but in no event shall the diameter be less than four (4) inches where on private property and no less than 6" where within the public right-of-way.
- Section 512 - Whenever possible the building sewer shall be brought to the building at an elevation below the basement floor. No building sewer shall be laid parallel to or within three (3) feet of any bearing wall which might be weakened thereby. The depth shall be sufficient to afford protection from frost. The building sewer shall be laid at uniform grade and in straight alignment insofar as possible. Changes in direction shall be made only with approved pipe and fittings. In the event that building sewers are installed with less than three (3) feet of cover, a rigid insulation shall be used to provide adequate protection from frost.
- Section 513 - In all buildings in which the building drain is too low to permit gravity flow to a public sewer, sanitary sewage carried by such a drain shall be lifted by approved artificial means to the public sewer at no cost to the Town.
- Section 514 - The applicant for the building sewer permit shall notify the Board of Selectmen when the building sewer is ready for inspection and connection to the public sewer. No public sewer shall be disturbed except under the supervision of the Superintendent. The Superintendent shall be available to inspect the connection within twenty-four (24) hours of notification of readiness. Fees for inspection services are defined on the Schedule of Sewer Service Rates and in Article XII of this Ordinance.
- Section 515 - All excavations required for the installation of a building sewer shall be open trench work unless otherwise approved by the Board of Selectmen, and no backfill shall be placed until the work has been inspected.
- Section 516 - All excavations for building sewer installation 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 Board of Selectmen.
- Section 517 - Any building sewer serving a school, hospital or similar institution or public building, serving a complex of commercial or industrial buildings, or which, in the opinion of the Board of Selectmen, will receive sewage or industrial wastes of such volume or character that frequent maintenance of said building sewer is anticipated, then such building sewer shall be connected to the public sewer through a manhole. If required, a new manhole shall be installed in the public sewer. The location of this manhole and the building sewer connection to it, or to an existing manhole, shall be as specified by the Board of Selectmen. All costs associated with installing a new manhole

or coring into an existing manhole shall be the responsibility of the owner. Any building sewer with excessive length (more than 300') or change in direction shall install cleanouts or manholes for the purpose of maintenance. Manholes and cleanouts shall be installed and tested in accordance with the provisions of Article IX of this Ordinance.

Section 518 - All costs and expense to the installation, connection, testing, and maintenance and liability coverage thereto, of the building sewer shall be borne by the owner. The owner shall indemnify the Town and the Board of Selectmen from any loss or damage that may directly or indirectly be occasioned by the installation of the building sewer.

Section 519 - At the completion of construction of the building sewer service and proper connection to the public sewer main, the Town of Dover-Foxcroft will take over ownership and maintenance responsibilities of the building sewer service within the public right-of-way only. It will be the responsibility of the Owner to maintain the building sewer services from the Property line to and inside the building or structure.

Section 520 - Repairs of any malfunctions in the sewer services shall be the responsibility of the Town where they occur in the public right-of-way. Any required repairs for malfunctions occurring on private property shall be the responsibility of the property owner. The Superintendent will, if requested, check and test the public sewer main and the sewer services within the public right-of-way as expediently as possible.

**ARTICLE VI**  
**STORMWATER/GROUNDWATER CONNECTIONS**

- Section 601 - In adopting this ordinance, the Town of Dover-Foxcroft finds that the discharge of water from any roof, surface, ground, sump pump, footing tile, cellar drain, floor drain, foundation drain, or other natural precipitation into the public sewer will, and has on numerous occasions in the past, flooded and overloaded the public sewer system and treatment works to such an extent as to cause damage by backup of sewage into the living quarters of residents, an increase in sewage treatment costs, and creates a hazard to health and environment. The Town finds it essential to public welfare and the maintenance and operation of the public sewer collection and treatment system that the provision of this ordinance be strictly enforced.
- Section 602 - No person shall make connection of roof drains, exterior foundation drains, areaway drains, cellar drains, sump pumps or other sources of surface runoff or groundwater to a building sewer or building drain which in turn is connected either directly or indirectly to a public sewer.
- Section 603 - Dwellings and other buildings and structures which require such drains or sump pumps because of infiltration of water into basements, crawl spaces and the like, shall discharge through an approved permanent pipe outside the dwelling, building or structure on property owned by the Building owner, or to an approved storm drain system owned and operated by the Town of Dover-Foxcroft.
- Section 604 - A stormwater/groundwater connection may be assessed a surcharge by the Board of Selectmen. This surcharge may be removed upon proof that the connection has been eliminated.

## **ARTICLE VII PROHIBITED CONNECTIONS**

Section 701 - Any connections to the public wastewater system that puts undue stress on the components of the public wastewater system including piping, pumping systems, treatment works, etc., through excessive wastewater or stormwater quantity, toxicity, or other characteristics that may damage or strain the public wastewater system, or contribute to harm of the surrounding environment, is prohibited from connection to the public wastewater facility. This may include roof drains with significant surface area, parking area storm drains, floor drains from industrial facilities or other facilities where toxic discharges may occur, pond overflow drains, etc.

Prohibited connections will be subject to a penalty in accordance with Article XI of this ordinance.

## ARTICLE VIII SEWER EXTENSIONS

- Section 801 - Public sewer extensions may be constructed by the Town under public contract if, in the opinion of the Board of Selectmen, the number of properties to be served by such extension warrants its construction. Property owners may propose such sewer extensions within the Town of Dover Foxcroft by drafting a written petition signed by a majority of the benefiting property owners, and filing it with the Board of Selectmen. The cost of such extensions may be assessed to the benefited property owners in any lawful manner determined by the Board of Selectmen including deferred assessments. A deferred assessment is imposed at the time the property owner connects to the public system, or by a stated date. Under this arrangement the property owners shall pay for and install the building sewers from the public sewer to private facilities in accordance with the requirements of Article V. Expenditure of Town Funds for the purpose of Sewer Line Extension must be approved at Town Meeting.
- Section 802 - If the Town does not elect to construct a sewer extension under the public contract, the property owner, builder, or developer may construct the necessary sewer extension, if such extension is approved by the Board of Selectmen in accordance with the requirements of this Article. The cost of sewer main extensions thus made shall be absorbed by the developer or property owner. Each building sewer on the extension must be permitted, installed, tested, and inspected in accordance with this Ordinance. Design of sewer main extension shall be as specified in this Article and in compliance with Article IX of this Ordinance. The installation of the sewer extension shall be subject to periodic inspection by the Board of Selectmen. Inspection services shall be billed in accordance with the Schedule of Sewer Service Rates. The Board of Selectmen's decisions shall be final in matters of quality, and acceptance. Before it may be used, the sewer as constructed must pass the tests required in Article IX.
- Section 803 - All sewer extensions require the approval of the Maine DEP. If an owner intends to construct a sewer extension, he shall prepare and submit the application to the Maine DEP prior to the Board of Selectmen issuing a permit for the work.
- Section 804 - All extensions to the sanitary sewer system shall be properly designed in accordance with the Recommended Standards for Sewage Works, as adopted by the Great Lakes -Upper Mississippi River Board of State Sanitary Engineers. Plans and specifications must be prepared by a professional engineer licensed in the State of Maine. Plans and specifications for sewer extensions shall be submitted to the Board of Selectmen for approval. The design of sewers must anticipate and allow for

flows from all reasonable future extensions or developments within the immediate drainage area. The Board of Selectmen shall have the right to hire an independent professionally licensed engineer to review the plans and specifications. Costs for this review shall be the responsibility of the owner.

Section 805 - Sewer main extension materials, installation procedures, and testing shall be in accordance with Article IX of this Ordinance.

Section 806 - On all sewer extensions manholes shall be installed at all changes in slope and alignment and at intervals no greater than 300 feet. Manholes materials, installation and testing shall comply with Article IX of this Ordinance.

Section 807 - All extensions of public sewers constructed at the expense of the property owner, builder, or developer, and after approval and acceptance by the Board of Selectmen and the DEP, shall become the property of the Town and shall thereafter be maintained by the Town as public sewers. The Owner, either through his Contractor or himself shall guarantee the work against defects in materials or workmanship for one (1) year from the date of completion.

Surety and insurance requirements for any work within the Public Right-of-way shall be in accordance with the provisions of Article X.

## ARTICLE IX

### Materials, Testing & Earthwork Specifications

Section 901 - This Section of Article IX provides minimum material, installation and testing procedures for *gravity sanitary sewer mains*. The Board of Selectmen may approve alternatives that are considered equal or new technologies that are proven equal.

#### MATERIALS

Gravity sewer pipes shall be polyvinyl chloride (PVC) pipe and shall conform to ASTM D3034 SDR 35. The joints shall be push-on type utilizing rubber sealing rings that conform to ASTM D3212 and F477. PVC resin shall conform to ASTM D1784. For deep sewers the Board of Selectmen may require ductile iron pipe be used. The ductile iron pipe shall be push-on pipe bell-tite joint double cement lined tar coated Class 50 (per AWWA C151, C-111 and C-104).

Care should be exercised in transporting and handling of pipe to avoid damage. Pipe stored on site shall be in enclosures or under protective coverings. Materials shall not be stored directly on the ground.

#### INSTALLATION

The pipe shall be installed to the lines and grades specified. The pipe elevation at any point shall not be off-grade by more than 0.0002 ft/ft. This allows for a maximum tolerance of 0.02 feet in a 100 foot run and a maximum tolerance of 0.06 feet in a 300 foot run. The allowable elevation tolerance for individual lengths of pipe shall be +/- 0.01 feet.

The pipe alignment at any point shall not be off-line by more than 0.0002 ft/ft. The allowable tolerance for individual lengths of pipe shall be +/- 0.01 feet.

The pipe shall be bedded with crushed or screened stone from 6" below the pipe to 6" above the pipe. The trench shall be excavated to the required grade and 6" of bedding installed and compacted. The pipe shall be installed on the bedding and the joints assembled in accordance with the recommendations of the manufacturer. Bedding material shall then be installed to the mid-point of the pipe. The bedding shall be worked and packed under the edges of the pipe with hand shovels and then it shall be compacted. Bedding material shall then be installed to 6" above the pipe and compacted.

All compaction of bedding material shall be done with a vibrating plate compactor for the full trench width. Care shall be taken to prevent movement of the pipe during bedding installation, compaction, and backfilling.

Blocking (installation of the pipe prior to bedding and then support of the pipe while bedding is installed under it) shall not be allowed.

All field cutting and beveling of pipe shall comply with the manufacturer's recommendations. Ends shall be cut square and perpendicular to the pipe axis. Ends shall be beveled, filed smooth and stop marked with a felt tip marker so that they are comparable to factory pipe spigots.

#### INSPECTION

The Board of Selectmen shall inspect the pipe and fittings prior to backfilling. Backfilling of pipe will begin only after the pipe installation is in conformance with this Ordinance.

#### SEPARATIONS AND CROSSINGS OF SEWERS AND WATER MAINS

Sanitary Sewers shall be laid at least 10 feet horizontally from any existing or proposed water main, per State of Maine Department of Human Services Regulations. The distance shall be measured edge of pipe to edge of pipe. At crossings, one full length of sewer pipe shall be located so both joints will be as far from the water pipe as possible, and a minimum vertical distance of 18 inches of free earth shall be provided between the water main and the sewer. Special structural support for the water and sewer pipes may be required. Concrete encasement shall be used at water main crossings as shown on the detail sheet of the contract drawings.

Section 902 - This Section of Article IX provides material, installation and testing procedures for ***Building Sewer Services***. The Board of Selectmen may approve alternatives that are considered equal or new technologies that are proven equal.

#### RELATED SPECIFICATION SECTIONS

The pipe materials, installation and inspection requirements shall comply with Section 901 above. Testing of gravity sewer services shall comply with Section 903.

#### FITTINGS

All PVC sewer fittings shall be in full conformance with ASTM D-3034. PVC resin shall conform to ASTM D-1784, joints shall conform to ASTM D-3212 and gaskets shall conform to ASTM F-477.

The lateral service pipe shall connect to the sewer main with a wye or tee. No saddles are allowed.

For connections of new sewer services to existing services, a carbon steel coupling shall be used. Coupling shall have fusion-bonded epoxy coating that is NSF-61 registered, stainless steel nuts and bolts (ANSI 304/303) with No-Gall zinc cobalt

coating and EPDM gasket. Couplings shall be Hymax-2000 as manufactured by Total Piping Solutions, Inc., Romac 501 couplings or approved equal.

#### SERVICE PIPE SLOPE

The following slopes are the minimum acceptable slopes and shall be utilized to allow for connecting by the users. For 6" pipes the slope shall be 0.01 ft/ft. For 4" pipes the slope shall be 0.02 ft/ft.

#### SERVICE TIES

The owner or his contractor shall maintain records of service locations as described in the contract documents. These records shall include distance from the nearest downstream manhole to the service tee, length of service pipe laid, type of existing service pipe if applicable, and survey ties to end of service pipe.

Section 903 - This Section of Article IX covers sewer main and sewer service **testing requirements**. The Board of Selectmen may approve alternatives that are considered equal or new technologies or methods that are proven equal.

#### REQUIREMENTS

The Board of Selectmen shall be given at least 24 hours notice prior to any testing. Testing equipment, plugs and compressors must be specifically designed for low pressure sewer testing. Equipment shall include a pressure relief valve set no higher than 9 psig.

For a sewer main test to be considered for acceptance, the sewer main segment must be part of a manhole to manhole reach of pipe that has been completed and backfilled to final grade. The manholes on each end of the reach of pipe shall be successfully tested prior to testing of the sewer main.

For a building sewer service to be considered for acceptance, either new or existing to be re-used, the segment must be continuous from the public sewer main to the Building Entrance and have been backfilled to final grade.

The maximum allowable infiltration limit for all pipe shall be 100 gal/day/inch/mile of pipe installed. If there is evidence of poor workmanship, improper storage of pipe, or if test results are unsatisfactory, the Board of Selectmen may direct that additional tests be made on any and all of the pipe.

#### PROCEDURE

Test all gravity sewer lines for leakage by conducting a low pressure exfiltration air test. All sewer lines shall be cleaned to remove all sediment and debris prior to testing. Test plugs shall be properly installed and braced.

A minimum of 4-lbs/sq-in air pressure shall be applied to the line being tested. The air compressor shall then be shut off. A pressure drop, from the applied pressure,

of less than 1.0 psi during the period of time specified in the table below will constitute an acceptable air pressure test. If the pressure drop during the indicated time interval is exceeded, the test will be determined as a failure. The defect that caused the failure shall be located and corrected at no expense to the Town.

Table of Air Test Durations

Sewer Diameter (Inches)	4	6	8	10	12	15	18	21	24-30
Test Duration (Minutes)	2	3	4	5	6	8	9	10	11.5

All sewer lines not complying with the requirements for infiltration and/or air testing shall be repaired or replaced. Following repairs or replacements the lines shall be retested until an acceptable test is achieved. No repairs will be made internally on the pipe unless specifically authorized by the Board of Selectmen in writing. All repairs shall be made externally to the sewer lines. If any pipe is defective, it shall be removed and replaced.

If, during the process of repairing the new sewer main or during other operations not necessarily related to sewer construction (such as constructing roadways, cleanup, etc.), debris and sediment enters the new sewer or manholes, the sewer shall again be cleaned prior to final acceptance.

DEFLECTION TEST (FOR PVC PIPE)

Prior to final acceptance of a sewer main, deflection measurements are required for all PVC sewer mains by use of a mandrel assembly (7½%) pulled through the entire length of each sewer run. If a deflection in the diameter of the pipe equal to or greater than 7½% of the specified pipe diameter is measured, the defective pipe must be removed and replaced. The pipe shall then be re-tested.

Section 904 - This Section of Article IX covers manholes. The Board of Selectmen may approve alternatives that are considered equal or new technologies that are proven equal.

MATERIALS

A.) Manholes

All manholes shall be constructed of precast concrete. Manholes shall be designed for H-20 loading. Concrete manholes shall have 4000 psi 28 day strength (for 4' dia. and 5000 psi for any of larger dia.) and shall acquire 75% of their 28-day strength before being shipped to the project. Manholes shall have factory cast holes at the proper location and elevation as shown on the contract drawings. Manhole sections shall be joined with butyl rubber Kent Seal no. 2. Minimum thickness of the reinforced barrel sections and base shall be 5 inches. All manholes shall have eccentric cones. The tops of the cones shall be 8 inches wide to accommodate bricks. Two coats of non-bituminous waterproofing shall be applied to the outside of all manholes. Damaged manholes shall be rejected.

B.) Mortar and Bricks

Mortar to be used in the construction of inverts and placement of frames shall be Type II Portland cement (one part), sand (2 parts) and hydrated lime (not over 10 lbs. per bag of cement). Bricks shall be solid red clay bricks, not concrete units.

C.) Steps

Manhole steps shall be polypropylene plastic coated steel by M.A. Industries or approved equal. Steps shall be cast into the manhole sections and spaced a maximum of 12" on center vertically.

D.) Frames and Covers

Covers shall be 26" diameter and shall be clearly marked "SEWER." Frames shall have a clear opening of 24". The castings shall be of good quality even grained gray cast iron (ASTM-A48 Grade 30) and shall be free of lumps, blisters, scales, and other defects. Manhole covers shall have two lift holes and shall be matched to the frames with machined surfaces. Frames and covers shall have an H-20 load rating.

E.) Pipe Sleeves

Pipe sleeves shall be lock joint flexible sleeves that shall be cast or locked into the manhole base. These sleeves shall be capable of allowing substantial off center alignment. The sleeves shall be attached securely to the outside of the pipe with stainless steel bands to provide a watertight seal.

F.) Dampproofing

Dampproofing shall be ConSeal CS-55 manufactured by Concrete Sealants, Inc., New Carlisle, OH, or approved equal.

## INSTALLATION

A.) Bases and Barrel Sections

Manhole bases shall be installed before laying pipe to the manhole. The manhole base shall be set on a 12" compacted stone bed. Once the sewer pipe has been connected to the manhole, barrel sections shall be installed after installing kent seal at the joints. The pipe shall extend into the manhole so that it is flush with the inside wall. There shall be no pipe bells inside the manhole.

B.) Inverts, Troughs and Tables

Manhole inverts shall be installed using bricks and mortar or be precast. The trough and table shall be lined with bricks. The trough depth shall be equal to the pipe diameter. The tables shall slope toward the trough at 1" per foot for drainage. The finished surface of the invert shall be smooth, free of any obstructions and shall have a uniform pitch from inlet to outlet. The finish surface for both inverts and tables shall be brick.

C.) Frames and Covers

The frames shall be brought to the proper grade with brick and mortar or cast-in-place concrete rings. All voids between bricks shall be filled with mortar and the bricks shall be coated with mortar on both the interior and exterior of the manhole. The mortar surface shall be smooth and even and shall slope inward on the exterior of the manhole to avoid lifting from frost. Frames shall not be backfilled until the mortar has set and acquired sufficient strength to avoid damage. Frames shall be bolted down.

When manholes are in paved areas, the frame and cover shall be adjusted to grade once the base pavement has been placed. The cost of adjusting the frame and cover to grade, including pavement cutting and replacement, is incidental to the manhole cost. In paved areas the frame and cover shall be set 1/4" below final grade.

When manholes are in low lying area, flood plains, or wet areas, rain dishes and seal gaskets are required.

D.) Dampproofing

Dampproofing shall be applied in 2 coats, only after concrete and mortar has set, allowing time between coats to permit sufficient drying so the application of the second coat has no effect on the first. Dampproofing shall be applied by brush, roller, or spray in accordance with the manufacturer's instructions.

E.) Polywrap

Manholes shall be wrapped with 2 layers of 6 mil poly from grade to 4' below grade.

TESTING

All manholes shall be vacuum tested immediately after assembly and prior to backfilling. All lift holes shall be plugged with an approved non-shrink grout. All pipes entering the manhole shall be plugged. The plugs shall be securely braced to prevent them from being sucked into the manhole. The test head shall be placed at the inside of the top of the cone section and the seal inflated in accordance with the manufacturer's recommendations. A vacuum of 10 inches of mercury shall be drawn and the vacuum pump shut off. With the valves closed the time shall be measured for the vacuum to drop to 9 inches. The test shall pass if the time is greater than 60 seconds for 48" diameter, 75 seconds for 60" and 90 seconds for 72" diameter manholes. If the manhole fails the initial test, necessary repairs shall be made with a non-shrink grout while the vacuum is still being drawn. Retesting shall proceed until a satisfactory test is obtained.

Section 905 - This Section of Article IX covers Earthwork and Gravel requirements. The Board of Selectmen may approve alternatives that are considered equal or are determined

to be more appropriate for specific projects or new technologies or construction methods that are proven equal.

#### CONSTRUCTION METHODS

Installation of sewer mains and building services and appurtenances shall use responsible and safe construction and excavation practices. Site condition and neighboring properties and structures shall be respected and properly addressed prior to beginning work. Construction methods and equipment shall be of appropriate size so as to not produce damage, excessive noise, or vibrations on neighboring properties.

Monitoring of vibrations from site work, excavation, and compaction procedures shall be done during construction. A pre-construction survey is required. The pre-construction survey shall include pictures and a video of the site prior to starting any work. This pre-construction survey shall be provided to the Board of Selectmen before authorization to proceed is granted.

#### SITE PREPARATION

##### A.) General

Site Preparation includes clearing, grubbing, stripping, pavement cutting and grinding, etc.

##### B.) Clearing

Cut and remove all trees, brush, and undergrowth in areas designated for clearing. Protect all vegetation outside the limits of the areas designated and any trees or vegetation so designated within the area. The Board of Selectmen shall be contacted prior to removal of any trees within the site boundaries. Any branches which must be removed from standing trees shall be removed in accordance with established arborists' practices. All scars and cuts in standing timber shall be painted with tree paint. Dispose of all removed vegetation in a satisfactory manner.

##### C.) Grubbing

Remove all material, both natural and man-made, in the areas designated on the plan for excavation and/or construction. This includes roots, stumps, rocks, boulders, pavement, curbing and other structures.

Material which is amenable to reuse shall be stored. Unsuitable or excess material shall be removed and properly disposed of.

##### D.) Stripping

Where applicable, strip the surface and top soil to a sufficient depth to expose a uniform subgrade of soil.

Top soil which is amenable to reuse shall be stored. Unsuitable or excess top soil shall be removed and properly disposed of.

## EXCAVATION

### A.) General

All excavation shall be classified as either earth excavation or ledge excavation.

Earth excavation shall consist of removal of all grades of soil and rock sufficiently friable to be worked with an excavator. This shall include any other material less than three cubic yards in volume.

Ledge excavation shall consist of blasting, removal, and replacement of all material not classified as earth and greater than three cubic yards in volume.

### B.) Excavation Practices

Excavation practice shall comply with all applicable laws include OSHA. Proper shoring, dewatering, and bracing are required.

Prior to excavation, the owner or his contractor shall contact Dig Safe as well as other local utilities that may not belong to Dig Safe such as the Dover-Foxcroft Water District.

### C.) Excavation Methods

Excavate all trenches to the depth required for the installation of the utility and appropriate bedding. All structure excavation shall provide sufficient working area to construct the structure. Excavated material shall not be placed on pavement. The Contractor shall at all times keep the excavation free of water and saturated soil. Water removed from the excavation shall be disposed of in accordance with all applicable environmental regulations and so as not to interfere with adjacent areas. The bottom of the excavations shall be kept dewatered and firm at all times. No excavations shall be continued into fill material which has been on-site less than 12 months without review and approval of a Geotechnical Engineer.

All trenches shall be closed at the end of each construction day and the surface restored, unless specifically authorized by the Board of Selectmen.

### D.) Over Excavation

Any excavation beyond the prescribed limits for construction or utility installation shall be filled with crushed or screened stone to the necessary grade at the Owner's expense. This shall include the removal of overblasted ledge.

E.) Unsuitable Material

The Board of Selectmen shall have the right to reject material as unsuitable for backfill. Any such material shall be transported from the site and disposed of properly. All ledge excavation shall be classified as unsuitable material.

Excavated old utility materials (pipe, fittings, valves, culverts, wire, conduit, manhole or basin pieces and covers) shall not be utilized in backfill. Such materials shall be removed from the site and disposed of properly.

When so directed by the Board of Selectmen, the owner or his contractor shall excavate unsuitable material below the bottom of the trench and backfill to grade with the specified borrow.

F.) Blasting and Ledge Excavation

All blasting shall comply with all federal, state, and local regulations. The blasting contractor shall have a pre-blast survey completed of all structures within 1,000 feet of the work area prior to beginning work. Vibration monitoring shall be done by the blasting contractor during all blasting. Warning signs shall be posted whenever blasting occurs. No blasting shall be permitted without blasting mats or sufficient soil overburden.

G.) Rights-of-Way

Public rights-of-way affected by the construction shall be maintained to local traffic at a minimum. No public rights-of-way shall be closed without prior written approval of the proper civil authorities.

H.) Protection of the Public

Improved streets, roads, driveways and sidewalks shall be kept open over or around all trenches and excavations and the use of these rendered safe for public use, as required by OSHA. All open excavations, if allowed, equipment and materials encroaching on rights-of-way shall be clearly marked by barricades and flashing yellow lanterns from dusk to dawn.

BORROW AND BEDDING MATERIAL

A.) General

Optimum moisture content shall be as determined by the modified proctor test. All borrow and bedding shall be free of frozen material, peat, rubbish, and other debris.

B.) Common Borrow

Common borrow shall consist of earth suitable for fill or embankment construction. It shall meet the following criteria:

Moisture content	less than 4% above optimum
Particle size	75 mm - .005 mm
D 10(effective size)	.06 mm - .04 mm

Uniformity coefficient

6 - 10

C.) Sand Borrow

Sand borrow shall be sand of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. The gradation shall meet the grading requirements of the following table.

Sieve Designation	% by Weight Passing
3/8 inch	85-100
No. 200	0-5

D.) Gravel Borrow

Gravel borrow shall consist of uniformly graded granular material and shall be free from vegetable matter, lumps or balls of clay and other deleterious substances. The maximum stone size is 6". The gradation of the part that passes a 3 inch sieve shall meet the requirements of the following table.

Sieve Designation	% by Weight Passing
1/4"	<70
No. 200	<10

E.) Base Gravel

Base gravel shall be screened or crushed gravel of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. The maximum stone size is 6". The gradation of the part that passes a 3 inch sieve shall be an even gradation and meet the requirements of the following table.

Sieve Designation	% by Weight Passing
1/4"	25-70
No. 40	0-30
No. 200	0-5

F.) Surface Gravel for Gravel Roads

Surface gravel for gravel roads shall be screened or crushed gravel of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. The maximum stone size is 3/4". The gradation shall meet the requirements of the following table.

Sieve Designation	% by Weight Passing
3/4"	100
No. 4	50-78
No. 8	37-67
No. 40	13-35
No. 200	4-15
Plasticity Index (PI)	4-12

G.) Surface Gravel for Paved Roads

Surface gravel for paved roads (crushed gravel) shall be gravel that has been screened or crushed. Crushed gravel shall consist of hard durable particles free from vegetable matter, lumps or balls of clay and other deleterious substances. The gradation shall meet the requirements of the following table.

Sieve Designation	% by Weight Passing
3/4"	90-100
No. 4	40- 65
No. 10	10- 45
No. 200	0- 7

H.) Screened Stone

Screened stone shall consist of clean, hard, durable stone particles. It shall be screened and contain uniformly graded stone particles ranging in size from 10 to 20 mm unless otherwise specified. Screened stone shall be free of fine gravel, sand, dirt, vegetation, disintegrated or laminated soils, and other unsuitable material.

I.) Crushed Stone

Crushed stone shall consist of clean, hard, durable stone fragments. It shall be crushed and contain uniformly graded stone fragments ranging in size from 20 to 30 mm unless otherwise specified. Crushed stone shall be free of fine gravel, sand, dirt, vegetation, disintegrated or laminated soils, and other unsuitable material.

J.) Flowable Fill

Flowable fill (controlled low strength material) shall be a cementitious backfill mixture with low strength, flowable characteristics. The late age strength of the flowable fill shall be in the range of 50 to 150 psi to allow it to be excavatable at a future time, if necessary. The flowable fill shall have early setting and strength additives to allow for traffic and construction loads. The flowable fill shall be delivered in ready mixed concrete trucks and placed by chute in a flowable condition into the prepared void or trench.

K.) Concrete Fill

Concrete fill shall have a minimum 28 day compressive strength of 2000 psi.

L.) Placement and Compaction

Crushed or screened stone shall be placed in lifts which will compact to a 6" maximum layer. Gravel and borrow shall be placed in 12" maximum lifts. All placement and compaction of borrow and bedding shall comply with the Article.

## BACKFILLING

### A.) General

Backfilling shall be defined as replacement and compaction of soil in excavation for the purposes of protecting underground construction, maintaining grades, or providing stable foundation material for above ground construction.

### B.) Material

Generally the excavated soil shall be suitable as backfill and shall be replaced in the excavation. Exceptions include frozen fill, fill containing large stones, stumps or other rubble, and any material deemed unsuitable by the Town. All backfill within 3 feet of all foundation/frost walls shall be clean gravel (6" max stone size; 1" minus max. stone within 12" of walls & slabs).

### C.) Backfilling Methods

Backfilling shall proceed as soon as possible after underground construction has been completed. Fill material shall be placed in layers not to exceed 12" and compacted to a density equal to at least 95% of the optimum density determined by the modified proctor test. Compacting may be done by vibrating compactor or roller. Care shall be taken not to damage or disturb any structure during backfilling and compaction.

Excavations in paved areas shall be paved as soon as possible. Other areas shall be loamed and seeded or otherwise restored to a condition equal to or better than that of adjacent areas as soon as possible.

All voids created by such removal shall be filled and compacted. Backfilling which does not conform to these specifications, or which settles differentially, shall be excavated to a depth sufficient to correct the problem and backfilled. Any pavement or structure which is damaged due to settlement of backfill shall be repaired.

## CLEANUP / SITE RESTORATION

Maintain all work areas and all haul routes in a neat and orderly condition. Cleanup/site restoration is incidental to the appropriate items of the contract.

Remove all debris and surplus material resulting from the work, and maintain all property, both public and private, in a condition acceptable to the party having jurisdiction.

Cleanup/site restoration includes; removal of all debris and surplus material; replacement and repair of all removed or damaged structures, properties and vegetation to their pre-construction condition; restoration of areas to final grade and contour.

Cleanup of trench areas shall be done concurrently with pipe installation (on a daily basis). When notified by the Town that cleanup is not acceptable, pipe installation shall cease and all efforts shall center on cleanup.

### EROSION CONTROL

#### A.) General

Erosion and sedimentation control measures shall be used during construction in conformance with Maine DOT and Maine DEP Best Management Practices.

#### B.) Regulations and Permit Conditions

Comply with all applicable regulations and permit conditions. If additional permits are needed for proposed work or work methods, it will be the responsibility of the owner, developer or contractor obtain them and comply with all requirements.

#### C.) Minimum Material Specifications

Erosion control blankets, silt fencing, hay bales, erosion control sock, silt sacks, etc. shall be in accordance with the specifications of the Maine DOT and Maine DEP Best Management Practice. Hay bales shall have minimum dimensions of 18" x 18" x 3'6" and shall weigh at least 40 lbs. Erosion control fence shall be Envirofence by Mirafi, Inc., Charlotte, NC, or approved equal. The fencing shall have the following properties: grab strength of 120 lbs., grab elongation of 30% (max), water flow rate of 40 gal/min/S.F., and ultraviolet stability of 90%. The fabric width shall be 3 ft. and post length shall be 4.5 ft. The post spacing shall be 7.7 ft. The fence fabric shall be securely stapled to the stakes. Stone for stone check dams shall be as specified by Maine Department of Transportation for trench drain construction.

#### D.) Erosion Control Methods

An erosion control plan shall be developed and submitted to the Town with the application for construction of a building sewer service or sewer main extension.

#### E.) Work on Submerged Lands

Whenever submerged land is disturbed, or work is done within water bodies, appropriate turbidity curtains (with top flotation and bottom ballast) shall be utilized. Select and install curtain appropriated for conditions, current, velocities, etc. Install and maintain per manufacturer's latest recommendations.

#### F.) Maintenance and Removal

Erosion control measures shall be maintained until final surface restoration has been established. Additional measures shall be provided as needed as project progresses if existing measures are inadequate. Care shall be taken when removing materials that are not intended to be permanent (such as erosion control fence) when they are no longer needed.

**ARTICLE X**  
**PROTECTION FROM DAMAGE**

- Section 1001           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 municipal sewage works. Any person violating this provision shall be subject to immediate arrest as provided by law.
- Section 1002 -        Any Contractor doing work within the public right-of-way of Dover Foxcroft shall have insurance in the amounts specified by the Board of Selectmen. Contractors shall provide the Town with a certificate of liability insurance listing the Town as additionally insured prior to the issuance of a permit for the construction of building sewers, sewer extensions, or private sewage disposal.
- Section 1003 -        The Owner shall guarantee the work for a period of 1 year from the date of substantial completion of the work. Payment & Performance Bonds may be required for all work done to Public Sewers or building sewer services within the Public Right-of-Ways.
- Section 1004 -        Any construction conducted within the State right-of-ways must meet State requirements such as Utility Location and Road Opening Permits. Any fees required shall be at the expense of the owner.

**ARTICLE XI**  
**POWERS AND AUTHORITY OF INSPECTORS**

- Section 1101 - Any person with a connection to the Dover Foxcroft public sewer shall allow the Board of Selectmen or their designated representative bearing proper credentials and identification to inspect the buildings or structures to confirm that there is no unauthorized or prohibited discharges into the sanitary sewer system. At the time in which a property changes ownership or major renovations are being planned, inspection may be required prior to occupancy. The Board of Selectmen may periodically re-inspect the premises to confirm compliance has been achieved and is continued.
- Section 1102 - All prohibited connections shall be removed by the owner within 30 days of receiving a written notice of violation from the Board of Selectmen. A surcharge shall be imposed upon any property owner for each prohibited connection, after a 30 day notice has been delivered. Penalties shall be assessed in accordance with Article XIII of this Ordinance.
- Section 1103 - Owners refusing to allow inspection of the premises shall be subject to a penalty as provided in Article XIII, Section 1301. The owner of a dwelling, building, or structure found not to be in compliance with this ordinance during periodic re-inspections shall be subject to a penalty as provided in Article XIII, Section 1301 starting from the date of the previous inspection.

## ARTICLE XII SEWER SERVICE CHARGE

Section 1201 - A portion of the revenues for retiring debt services and for capital expenditures, operation and maintenance of the public wastewater facilities shall be obtained through the Sewer Service Charges.

Section 1202 - Sewer Service Charges and Rates shall be determined in accordance with the Revenue Producing Facilities Act, 30-A MRSA sec. 5405(2). Sewer Service Charges and Rates, in general, will be set based on water consumption and revenues needed to fund operations and maintenance, and retirement of debt service, and capital expenditures. Sewer Service Charges may be billed quarterly or bi-annually as determined by the Selectmen but the rates and base usage shall be assessed on a quarterly basis.

Sewer Service Charges include:

- Base Sewer Service Charge assessed to customers with public sewer services area with an active meter installed and maintained by the Dover-Foxcroft Water District. Base Sewer Service Charge allows for usage up to 1,200 cubic feet per quarter.
- Excess Rate for usage above 1,200 cubic feet per quarter. This rate shall be billed on 100 cubic foot increments.
- Readiness to Serve Charge assessed to customers within the sewer service area with and an approved lot as defined in this Ordinance. Readiness to serve charge shall be 50% of the base sewer service charge.
- Flat Rate for Unmetered Services assessed to customers with no public water or water meter shall pay a flat rate equal to the Base Sewer Service Charge.
- Stormwater/Groundwater Surcharge assessed to customers discharging surface or groundwater to the POTW from roof drains, cellar drains, sump pumps, perimeter drains, etc. as defined in this Ordinance. Surcharge shall be 30% of the base sewer service charge.
- Permit Application Fees shall be assessed based on the type of sewer services proposed.
- Inspection Charges shall be assessed based on an hourly rate equal to the Town's cost for the service.
- Sewer Service Development Charge shall be a one time Charge assessed on applications for connection to the POTW for significant industrial users or other proposed users whose proposed estimated discharge exceeds 5% of the average daily flow of the POTW. The purpose of the Sewer Service Development Charge is to contribute to the replacement and/or upgrading of piping, equipment, and facilities that require replacement of upgrading faster due to the

increased load on the system from the new significant sources. If the estimated flow is below 5%, no sewer service development charge will be assessed at the time of application, but if after two years actual flows exceed the 5% of the average daily flow, the sewer service development charge will be assessed at that time.

- Connection of Service Charge shall be assessed to all new service connections after June 30, 2010 and is intended to cover the costs of the Town's work to install the service stub and service piping within the public right-of-way. The Connection of Service Charge will be equal to the time and material costs incurred by the Town for the installation of these facilities.
- Miscellaneous Charges for other items the Town may incur in billing and collecting, issuing notices, foreclosing on properties and interest for late payments shall be assessed in accordance with the Schedule of Sewer Service Rates.

Section 1203 -

A special Sewer Service Charge shall be assigned to any industrial firm or organization, the strength or other characteristic of whose waste varies significantly from that of normal domestic sewage. In general, such charges will be based on equitable pro-rating of costs for conveying and treating such waste, taking into account, but not necessarily limited to, the effect of volume, B.O.D., suspended solids, settleable solids, chlorine demand toxicity and pH. Pretreatment by the industry may also be a requirement if necessary to make the waste compatible with flow in the sewer system. The Board of Selectmen after appropriate study, and advice from the Superintendent, shall assign a Special Sewer Service Charge to the industrial firm by separate agreement with said firm. The applicable portions of the preceding sections, as well as the equitable rights of the public, shall be the basis for such an arrangement.

Section 1204 -

The Board of Selectmen shall have the right from time to time to change Sewer Service Charges originally or previously assigned to any property owner.

Section 1205 -

Pursuant to Title 30-A M.R.S.A. Section 3406 as the same may be amended, there shall be a lien on real estate service or benefited by the public sewer and/or sewer disposal system to secure the payment of service charges duly established hereunder. This lien shall take precedence over all claims on such real estate, excepting only claims for taxes. Service charges unpaid as of December 31 of each year shall be committed to the Town Treasurer, who shall have the same authority and power to collect the same as are granted by Title 38, Section 1208, to treasurers of sanitary sewer districts with reference to rates established and due under Title 38, Section 1202.

Section 1206

For the purpose of encouraging economic development, redevelopment, and utilization of excess wastewater treatment capacity, the Board of Selectmen may from time to time approve a schedule of discounts from the minimum or standby charges imposed under this subsection. Such discounts shall apply to those areas of the Town and to those categories of properties that the Board of Selectmen may designate by Order or Resolution, and shall be for such duration, and subject to such eligibility requirements, as the Board of Selectmen may provide."

## **ARTICLE XIII PENALTIES**

Section 1301 - A penalty of One Hundred Dollars (\$100.00) per day is hereby imposed on every sewer bill to the property owner for non-compliance with this Ordinance including:

- Each and every prohibited connection
- Refusal of property inspection

Imposition and payment of the penalty provided by this section shall not be deemed a waiver of compliance with the requirements of this Ordinance.

Section 1302 - Nothing in this Ordinance shall be construed to affect any suit or proceeding in court, any rights acquired or liability incurred, any permit issued, or any cause or causes of action existing under the previous Ordinances prior to the adoption of this Ordinance.

**ARTICLE XIV**  
**VALIDITY OF ORDINANCE**

Section 1401 - This Ordinance supersedes the prior sewer ordinance.

Section 1402 - The invalidity of any section, clause, sentence, or provision of this Ordinance shall not affect the validity of any other parts of this Ordinance which can be given without such invalid part or parts.

**ARTICLE XV**  
**ORDINANCE IN FORCE**

Section 1501 - This ordinance shall be in full force and effect from and after its passage by vote of the Town at any Annual or Special Town Meeting duly called and held for that purpose.

A TRUE COPY AS ADOPTED PER TOWN MEETING VOTE \_\_\_\_\_, 2010

\_\_\_\_\_  
BARBARA J. MOORE, TOWN CLERK