

BYLAW NO. 96-1498

BEING A BYLAW OF THE CITY OF ESTEVAN IN THE
PROVINCE OF SASKATCHEWAN FOR THE MANAGEMENT
AND REGULATION OF WATERWORKS, SANITARY
SEWAGE WORKS AND STORM DRAINAGE WORKS.

WHEREAS, under the authority of Part IX of the Urban Municipality Act, Council of the City of Estevan may by bylaw establish waterworks, sewage works and storm drainage works (hereinafter referred to as the water and wastewater works, services or systems) and if so established Council shall operate such works as public utility services. Council may by bylaw provide for the management, terms, conditions and collection of fees for the supply of such public utility services.

AND WHEREAS, under the authority of Part V of the Public Health Act, Council of the City of Estevan may by bylaw regulate water and wastewater systems.

AND WHEREAS, Council of the City of Estevan has established, manages, operates, maintains and regulates its water and wastewater systems as public utility services and deems it necessary and desirable to continue to do so.

NOW, THEREFORE, Council of the City of Estevan hereby enacts as follows:

1. **SHORT TITLE**

This bylaw may be cited as the "Water and Wastewater Bylaw".

2. **DEFINITIONS**

For the purpose of this bylaw the following terms, phrases, words and their derivatives shall have the meanings given herein. When consistent with the context, words used in the present tense include the future, words used in the plural number include the singular and words in the singular include the plural, all reference to "he" shall also mean "she" unless the context requires otherwise. The word "shall" is always mandatory and not merely discretionary.

- 2.1 **"Assimilative capacity"** means the ability of a water course to incorporate or convert concentrations of wastewater constituents and nutrients into protoplasm or other substances which do not adversely affect human, animal or aquatic life or the environment..
- 2.2 **"Auxiliary"** means a subsidiary water service or water meter.
- 2.3 **"Backflow"** or **"back-siphonage"** means a flowing back or reversal of the normal direction of flow.
- 2.4 **"Back water valve"** means a valve in that portion of the homeowner's plumbing system known as the building drain, which is installed downstream of any connection and which is intended to prevent reverse flow from a public sewer into the sewer portion of the building plumbing system.
- 2.5 **"Biochemical oxygen demand"** or BOD₅ means the quantity of oxygen, expressed in parts per million by weight, utilized in the biochemical oxidation of organic matter under standard laboratory conditions for five days at a temperature of twenty (20) degrees Celsius. The laboratory determination shall be made in accordance with procedures set forth in "Standard Methods".
- 2.6 **"Billing period"** shall be the period from one billing to another.
- 2.7 **"Biomedical wastes"** means those wastes defined in the "Interim Biomedical Waste Management Guidelines" prepared by the Saskatchewan Biomedical Waste Working Committee dated February 1993.
- 2.8 **"Building drain"** means the horizontal piping, including any vertical offset that conducts sewage, clearwater waste or storm water to a building sewer.
- 2.9 **"Building Sewer"** means a pipe that is connected to a building drain, one (1m) metre outside a wall of a building and that leads to a public sewer or private sewage disposal system.

- 2.10 **City**” means the City of Estevan or the area contained within its municipal boundaries, as the context requires.
- 2.11 **“City Engineer”** means that person so appointed by resolution of Council to that position and includes, where the context so requires, a member or members of the Engineering and Public Works Department performing a function under the direction of the City Engineer.
- 2.12 **“City Manager”** means that person so appointed by resolution of Council to that position.
- 2.13 **“City Treasurer”** means that person so appointed by resolution of Council to that position.
- 2.14 **“COD”** means Chemical Oxygen Demand as determined in accordance with procedures in Standard Methods.
- 2.15 **“Combined service”** means a water service line used for both fire protection purposes and domestic purposes.
- 2.16 **“Composite sample”** means a sample which is composed of a series of grab samples taken at intervals during the sampling period.
- 2.17 **“Consumptive”** means the use of water supply in a premise for day to day activities but excluding the use of potable water for fire prevention or evaporative losses.
- 2.18 **“Control or test manhole”** means a manhole, located at or near the property line and downstream of all inlets from the owner’s property, through which all wastewater or such portion of wastewater as the City Engineer determines should be monitored, from the related premises shall pass and to which authorized City employees shall have ready access for the purpose of flow monitoring and sampling.
- 2.19 **“Council”** or **“City Council”** means the Municipal Council of the City of Estevan.
- 2.20 **“Cross-connection”** means any physical connection or arrangement of pipes between two otherwise separate water or wastewater systems, one of which contains potable water and the other water of unknown or questionable safety, whereby water may flow from one system to the other, the direction of flow depending upon the pressure differential between the two systems.
- 2.21 **“Curb stop”** means a water valve located on the water service line between the water connection and the building water service.
- 2.22 **“Customer”** means any person, firm, corporation, association, society or group of persons who are owners or occupants of premises.
- 2.23 **“Cyanide (total)”** means cyanide as determined by procedures in Standard Methods.
- 2.24 **“Department of Engineering and Public Works”** means the Department of Engineering and Public Works for the City of Estevan.
- 2.25 **“Detention pond”** means an area designed for the temporary storage of wastewater and slow release into the public wastewater system.
- 2.26 **“Excursion”** means deviations from set criteria or concentrations.
- 2.27 **“Fire Chief”** means that person so appointed by resolution of Council to that position.
- 2.28 **“Fire Department”** means the Fire Department for the City of Estevan.
- 2.29 **“Fire service connection”** means any water service connection used for the sole purpose of providing fire protection.
- 2.30 **Fuels”** includes:
- (i) any ignitable liquid intended for use as a fuel with a flash point less than 61° Celcius;
 - (ii) gasoline, naptha, diesel fuel or fuel oil.
- 2.31 **“Grab sample”** is a part of the flow being sampled taken at one particular time and place.
- 2.32 **“Grease”** means a substance of animal or vegetable origin (G), or mineral or synthetic origin, that can be extracted from aqueous solution or suspension by hexane solvent and includes but is not limited to hydrocarbons, esters, oils, fats, waxes and high molecular fatty acids.
- 2.33 **“Ground water”** means any water that is collected or is present below the surface of the ground.

- 2.34 **“Hauled sewage”** means waste removed from a cesspool, a septic tank system, a privy vault or privy pit, a chemical toilet, a portable toilet, a sewage holding tank or any other such sewage system.
- 2.35 **“Hazardous waste”** or **“hazardous substance”** means a toxic or dangerous substance as defined in The Hazardous and Waste Dangerous Goods Regulations, The Atomic Energy Control Act, The Explosives Act, The Oil and Gas Conservation Act, The Pipeline Act.
- 2.36 **“Holding tank”** means any containerization of wastewater flowing from the building drain for a structure, trailer, or recreational vehicle, for the purposes of storage until the wastewater can be transferred to a proper disposal facility.
- 2.37 **“Impair”** means to damage or to affect adversely.
- 2.38 **“Impervious”** means restricting passage of precipitation to percolate into subsoils.
- 2.39 **“Industrial wastewater”** means any solid, liquid or gaseous substance or combination thereof, excluding domestic wastewater, discharged, permitted to flow or escaping from any industrial, manufacturing, institutional, commercial or business establishment or process or from the development, recovery, or processing of any natural resources.
- 2.40 **“Industrial or commercial premises”** are those premises upon which a business, trade, profession, industry, occupation or employment is carried on and includes those premises from which goods or services are provided.
- 2.41 **“Interceptor”** means a receptacle approved by the Public Health Officer designed to prevent oil, grease, sand or other matter from passing from the source into the sewerage system.
- 2.42 **“Kjeldahl Nitrogen”** means organic nitrogen as determined by procedures in Standard Methods.
- 2.43 **“Landfill leachate”** means leachate from any waste disposal site.
- 2.44 **“Matter”** includes any solid, liquid or gas.
- 2.45 **“Meter”** means a device used for measuring and recording the amount of water supplied or wastewater meter and associated piping only.
- 2.46 **“Meter reader”** means an employee of the City authorized to take readings from the meters and remote reading devices connected to the waterworks or wastewater system.
- 2.47 **“Meter setter”** means a device used for housing a water meter and designed for easy installation of such meter.
- 2.48 **“Metered service”** means a supply of water which is measured and recorded through a meter.
- 2.49 **“Natural outlet”** means any outlet into a natural water course, or a body of water, or ground water.
- 2.50 **“Occasional water use”** means the use of water from the public water mains for brief periods of time, but not exceeding sixty (60) days, whether metered or unmetered.
- 2.51 **“Owner”** or **“occupant”** means every person in possession of any premises or in receipt of the whole or of any part of the rents and profits therefrom, whether of his own account or as agent or trustee for any other person, or in occupancy of any such premises either as a tenant from year to year or for any less term, or as a tenant at will, and the agent of any such person.
- 2.52 **“Parts per million”** abbreviated as ppm means one unit per one million units determined by weight unless otherwise noted.
- 2.53 **“PCB”** means any monochlorinated or poly-chlorinated biphenyl or any mixture of these or mixture that contains one or more of them.
- 2.54 **“Person”** includes an individual, association, partnership, corporation, municipality, provincial or federal agency or an agent or employee thereof.
- 2.55 **“pH”** means the logarithm, to the base of 10, of the reciprocal of the concentration of hydrogen ions expressed in grams per litre of solution and denotes alkalinity or acidity. It shall be determined by one of the procedures outlined in Standards Methods.
- 2.56 **“Phenolic compounds”** means those derivatives of aromatic hydrocarbons which have a hydroxyl group directly attached to the ring as determined by procedures in Standard Methods.
- 2.57 **“Premises”** means land or buildings or both or a part thereof occupied or used for any purpose.

- 2.58 **“Private wastewater system”** means any method of treatment and/or disposal of wastewater, other than the public wastewater system, complying with the City’s building bylaw, as amended, and regulations of Saskatchewan Environment and Resource Management and Saskatchewan Health and includes all septic tanks, absorption fields, holding tanks, mechanical treatment plants, flow equalization tanks, reservoirs, storm water detention ponds, inlets, manholes and pipes other than the sanitary sewer service connection or storm drainage service connection.
- 2.59 **“Provincial regulations”** means the requirements and provisions of the Province of Saskatchewan contained in any provincial statute or in any regulation or order made pursuant to the authority of any Statute of Saskatchewan.
- 2.60 **“Public Health officer”** means the person delegated the authority to enforce the Saskatchewan Plumbing and Drainage Regulations by the local authority under the provisions of the Public Health Act.
- 2.61 **“Public sanitary sewage system”** means the system of collection, pumping, transmission, treatment, storage and disposal of sanitary sewage.
- 2.62 **“Public sanitary sewer”** or **“public sanitary sewer main”** means a sanitary sewer which is controlled by the City and which is intended for public use.
- 2.63 **“Public storm drainage system”** means the storm drainage system owned, operated and maintained by the City and the land and rights-of-way connected therewith.
- 2.64 **“Public wastewater system”** means the system of collection, pumping, transmission, treatment, storage and disposal of wastewater.
- 2.65 **“Public water supply”** means potable water supplied to the public by the City’s utility services.
- 2.66 **“Public water system”** means the system of supply, treatment and distribution of potable water including all pipes, mains, equipment, buildings and structures, owned, operated and maintained by the City and the land and rights-of-way connected therewith.
- 2.67 **“Public watermain”** means a watermain which is located within a public right-of-way under the control of the City, or easement registered by the City, and which is intended for public use.
- 2.68 **“Recreational vehicle”** means any fifth-wheel recreational trailer, other recreational trailer, motorhome, and any bus which has been converted into a motorhome.
- 2.69 **“Remote reading device”** means a device used for reading and/or recording the amount of water supplied through a service as recorded on a meter at a point remote from the meter.
- 2.70 **“Return period”** means recurrence interval or the average period of years between occurrences equal to or greater than a given value.
- 2.71 **“Sanitary sewage”** means liquid wastes from residential, commercial, industrial and institutional premises, including groundwater where permitted but not including surface or storm water.
- 2.72 **“Sanitary sewage system”** or **“sanitary sewage works”** means all pipes, mains, equipment, buildings and structures for collecting, pumping or treatment of sanitary sewage owned, operated and maintained by the City, but does not include the storm drainage system.
- 2.73 **“Sanitary sewer”** means a sewer for the collection and transmission of residential, commercial, institutional and industrial sewage or any combination thereof.
- 2.74 **“Sanitary sewerage”** means the sanitary sewage system.
- 2.75 **“Service pipe”** or **“service connection pipe”** means pipes for conveying water from the mains in the street to the premises of a consumer and/or wastewater from the premises of a consumer to the mains in the street.
- 2.76 **“Sewage”** or **“wastewater”** means liquid wastes from residential, commercial, industrial premises and includes ground, surface and storm water.
- 2.77 **“Sewage effluent”** means the liquid discharged from a sanitary sewage treatment system or plant.
- 2.78 **“Sewerage”** means the sewage system for the conveyance, treatment and disposal of sanitary sewage.
- 2.79 **“Sewer”** means a pipe or conduit for carrying wastewater.

- 2.80 **“Sewer service connection”** or **“sanitary sewer service connection or “Building Sewer”** means a sewer pipe extending from a public sanitary sewer main to a point one (1m) metre from the outer face of the outer foundation wall of a building.
- 2.81 **“Stand pipe”** means a vertical pipe or similar structure used for the purpose of conveying water for fire fighting purposes.
- 2.82 **“Standard construction specifications”** means the Standard Construction Specifications, as amended, established by the City.
- 2.83 **“Standard Methods”** means the analytical and examination procedures set forth in the current edition of “Standard Methods for the Examination of Water and Waste Water” published jointly by the American Public Health Association, American Water Works Association and the Water Environment Federation or any publication by or under the authority of the Canadian Standards Association deemed appropriate by the City Engineer.
- 2.84 **“Standards for Discharge”** means the Standards for Discharge to the wastewater system, as amended, established by the City.
- 2.85 **“Storm Drainage System” or “Storm Drainage Works”** means all pipes, mains, inlets, catchbasins, gutters, manholes, roads, ditches, channels, culverts, pump stations, detention ponds, sediment basins, wetlands, other conveyances and all related structures and appurtenances for the collection, pumping, discharge and disposal of storm runoff.
- 2.86 **“Storm sewer”** means a sewer and all related structures designed exclusively for the collection and which carries storm and surface waters and drainage but excludes sanitary sewage or other wastewaters which do not meet standards for the wastewater as established by the Province of Saskatchewan or the City for discharge into a watercourse or storm drainage system.
- 2.87 **“Storm runoff” or “Storm Drainage”** means waste water that is discharged from a surface as a result of rainfall or snowfall.
- 2.88 **“Street”** means any public right-of-way, including a highway, providing primary access to abutting property, used as a public thoroughfare for vehicles and pedestrians including streets under construction or repair, and where the context so requires, includes the whole of the area between the boundaries of the streets as recorded in the Land Titles Office and includes all lanes, alleys easements and public rights-of-way.
- 2.89 **“Subsisting”** means existing or in continuing existence or operation.
- 2.90 **“Subsoil drain” or “weeping tile drain”** means a pipe that is installed underground to intercept and convey subsurface water from a building or structure into a sump or a sanitary sewer service connection.
- 2.91 **“Sump”** means a structure designed to trap groundwater from a subsoil drain or a building drain.
- 2.92 **“Surface water”** means any water that is collected or is present on the surface of the ground.
- 2.93 **“Suspended solids” or SS** means solids that either flow on the surface of, or are in suspension in water, or wastewater and which are removable by a laboratory filter device. Quantitative determination of suspended solids shall be made in accordance with procedures set forth in “Standard Methods”.
- 2.94 **“Testing”** means procedures set forth in “Standard Methods”.
- 2.95 **“Unmetered service”** means a billable supply of water which is not measured or recorded by a meter.
- 2.96 **“Utility”** means any City department, established for the purpose of and engaged in the supplying of a service to the community at large through the distribution or collection of water, wastewater, solid waste, refuse, or the supply of storm drainage services.
- 2.97 **“Waste”** means any material discharged into the sewage system.
- 2.98 **“Waste radioactive materials”** means any waste material exhibiting the property of spontaneous disintegration of atomic nuclei usually with the emission of penetrating radiation or particles.
- 2.99 **“Wastewater system” or “wastewater works”** means the sanitary sewage system and storm drainage system owned, operated and maintained by the City including all lands and rights-of-way connected therewith.

- 2.100 **“Water service connection”** means that portion of a water service extending from a public watermain to a point one (1 m) from the outer face of the outside foundation wall of a building.
- 2.101 **“Watercourse”** means:
- (i) the bed and shore or river, stream, lake, creek, lagoon, swamp, marsh or other natural body of water; or
 - (ii) a channel, ditch, reservoir or other manmade surface feature; whether it contains or conveys water continuously or intermittently.
- 2.102 **“Waterworks”** means the City waterworks system and includes all fixtures, pipes, and other works and appurtenances required for the proper conduct of supplying water and where applicable includes the Water Treatment Plant, pumping stations, water tower, reservoirs, and control valves.

3. **WATER AND WASTEWATER UTILITY SERVICES**

- 3.1 The water and wastewater systems are owned and operated as public utility services, by the City, to serve customers and premises within the City, except where otherwise herein provided.
- 3.2 Notwithstanding anything contained in this bylaw, the City shall not be required to supply water and wastewater utility services to customers and premises outside the City, and if so provided shall be subject to the terms and conditions of a contract thereof and the consent of the municipality in which such customers and premises reside.
- 3.3 The water and wastewater utility shall be managed and operated as one undertaking and shall be referred to as the “Water and Wastewater Utility”.
- 3.4 The City may purchase, lease, construct and dispose of anything necessary for the provision of the water and wastewater utility services.
- 3.5 No person who is an owner or occupant of any premises shall use water and wastewater utility services without first making application to the City described on the form in Schedule ‘A’ and complying with all the terms and conditions thereon. No building permit or demolition permit shall be issued unless such application has been approved by the City Engineer.
- 3.6 The owners of all premises and properties in the City, whether or not occupied, shall within ninety (90) days after receipt of written notice issued by the City or as otherwise authorized in the Public Health Act or regulations made thereof, connect their premises or properties to the City water and wastewater systems after making application on the form described in Schedule ‘B’, at their own cost and expense, making payment for any other charges and in complete conformance of all terms and conditions thereof and this bylaw.
- 3.7 Water and wastewater utility services are supplied by the City to any premise upon condition that the customer shall make no claim against the City, its officials, employees or agents acting within the scope of their employment, except with respect to damage caused by their negligence, for any direct, indirect, incidental or consequential damage including actions based in nuisance or loss of income or profit by reasons of interruption, discontinuance, or termination of utility services or the failure or refusal to provide such services for any reason, whether or not notice thereof was provided.

- 3.8 Water and wastewater utility services are supplied by the City upon condition that the customer shall indemnify and save harmless the City, its officials, employees and agents from and against all claims arising from the supply of such services, excepting those claims caused by their negligence, when acting within the scope of their employment and including claims brought by the customer or any third party arising directly or indirectly from:
- 3.8.1 the connection to and use by person of the utility services;
 - 3.8.2 the utility service connection or provision of utility services to the premises of the customer;
 - 3.8.3 the City carrying out connections, maintenance, or repairs to any part of the water or wastewater system or services upon or to the customer's premises; or
 - 3.8.4 the absence or lack of properly operating service connections or fixtures or appliances thereon by the customer.
- 3.9 The City may limit, interrupt or discontinue supply of water or wastewater utility services to any premise or limit the hours during which such utility services may be supplied to any premise:
- 3.9.1 due to the construction, repair or maintenance of water or wastewater system works;
 - 3.9.2 lack of water or wastewater system capacity to supply such utility services;
 - 3.9.3 when a new service connection is required;
 - 3.9.4 in the exercise of discretion by Council when circumstances or the public interest may so require;
 - 3.9.5 in the exercise of his duties by the City Engineer when circumstances require;
 - 3.9.6 where any utility service connection is insufficiently protected from frost or other source of damage.

after delivery or broadcast in the media of such notice as may be reasonable in the circumstances except as otherwise provided in this bylaw where termination, interruption or discontinuance of utility services is authorized to be carried out without notice or limited to a specified period without notice.

4. ADMINISTRATION

- 4.1 The City Manager may cause to be prepared, printed and kept up to date, a continuing consolidation of this bylaw, its schedules, appendices and make all arrangements thereto. All approved revisions shall be incorporated into the bylaw as follows:
- 4.1.1 An amended or replaced block of text shall be marked by the designation "[AM. B/L #]" to represent the amending bylaw.
 - 4.1.2 A repealed or deleted clause, paragraph, subsection or section shall be marked by the designation "[REP. B/L #]" inserted adjacent to or in place of the replacement or deleted text to represent the amending bylaw.
 - 4.1.3 A new portion shall be marked by the designation "[EN. B/L #]" adjacent to the added text.
 - 4.1.4 The figure "#" in the designations referred to in (a), (b) and (c) of this article shall be replaced by the actual number of the amending bylaw.
- 4.2 The City Treasurer shall:
- 4.2.1 Annually submit to Council a financial report of the operation of the water and wastewater utility.
 - 4.2.2 Collect all rates, rents, charges, levies, deposits, tolls and surcharges receivable on account of the water and wastewater utility and provide for a system thereof.
 - 4.2.3 Make all disbursements authorized by Council therewith.

- 4.2.4 Keep books, records and accounts in respect of all receipts, disbursements, reserves, deposits, capital assets, liabilities for and on account of the water and wastewater utility and any subdivision thereof as authorized by Council, separate and distinct from the books, records and accounts relating to other property, funds, receipts, assets and liabilities of the City.
 - 4.2.5 Provide for the investment of receipts, deposits, reserves and income derived therefrom as authorized by Council.
 - 4.2.6 Conduct, with the City Manager and City Engineer, regular and annual reviews of such books, accounts, billings, collections, utility rates, reserves, investment income, deposits, indebtedness and provide such information as the City Manager and City Engineer consider expedient for the efficient management of the water and wastewater utility.
 - 4.2.7 Arrange for an annual audit of the books and accounts of the water and wastewater utility by the Auditor and recommendations thereof.
- 4.3 The water and wastewater utility shall be under the general direction and supervision of the City Engineer whose duties and authority shall be set by resolution of Council and as described herein.
- 4.3.1 The City Engineer and his duly authorized representatives are hereby authorized to carry out and shall be entitled to enter upon any property at any time for the purposes of:
- 4.3.1.1 surveys or to conduct tests, after providing reasonable notice to the owner or occupant of the land;
 - 4.3.1.2 entering, passing on and digging up any land, laying down pipes, excavating ditches, erecting poles and wires through the land or over or under any street after providing reasonable notice to the owner or occupant of the land or the Government of Saskatchewan for streets under its control;
 - 4.3.1.3 installing, maintaining, repairing, reading meters and associated devices between 0700 hours and 2100 hours (7:00 a.m. and 9:00 p.m.) on weekdays;
 - 4.3.1.4 erecting or installing meters or appliances and removing, altering or replacing any of them as circumstances require;
 - 4.3.1.5 wastewater supply or service by operating valves, blocking or clearing pipes or channels, applying seals, removing fittings, wires, machines, apparatus, meters, pipes that are the City's property as circumstances require;
 - 4.3.1.6 sampling and conducting tests on any water or wastewater or any lines, pipes, meters, fittings, appliances, machines, apparatus;
 - 4.3.1.7 inspecting any service lines, connections, meters or appliances;
 - 4.3.1.8 maintenance and repair of water and wastewater works;
 - 4.3.1.9 restoration, repair or replacement of water and wastewater works where such works do not conform to an approved design or have been altered, at the cost of the owner or occupant of the premise;
 - 4.3.1.10 construction and replacement of water and wastewater works; and
- any other duties assigned hereunder and to effect discontinuance of water or wastewater utility service where circumstances warrant and if the owner or occupant thereon refuses to allow entry.
- 4.4 The City Engineer is hereby authorized to:
- 4.4.1 issue licenses, permits and approvals prescribed in this bylaw;
 - 4.4.2 prescribe terms and conditions for the issuance of licenses, permits and approvals.
 - 4.4.3 withhold approvals or issuance of licenses, and permits prescribed in this bylaw until an applicant conforms to the requirements, terms and conditions prescribed in the applications and provisions of this bylaw.

4.5 The City Engineer shall:

- 4.5.1 on or before the last Council meeting in the month of March of each year, submit a report upon the water and wastewater utility for the previous year accompanied by regulatory operating reports, analyses, financial reports and analyses as provided by the City Treasurer and recommendations;
 - 4.5.2 keep all records, maps, full descriptions and information of all works constructed relating to the water and wastewater utility and specify the lifetime of any water or wastewater work at the time the work is constructed. Where no prior records exist as to the date of construction, the City Engineer may specify the expiry of such lifetime as he deems appropriate.
- 4.6 Nothing in this bylaw shall be construed to interfere with the authority of the Public Health Officer and any additional requirements that may be imposed by him.

5. **GENERAL PROVISIONS**

Compliance with this bylaw shall not relieve any person from compliance with any other applicable federal or provincial laws, regulations, codes and other bylaws of the City.

5.1 No person shall:

- 5.1.1 interfere with the work or duties of the City Engineer in connection with the construction, maintenance, operation, supervision of the public water and wastewater system, utility services, private water and wastewater works and the regulation thereof;
 - 5.1.2 construct, install, operate or connect any pipes, appurtenance, appliance, fixture, apparatus, fittings, meters, plumbing, drains or storm drainage works or any connections thereof, or obtain water supply from or discharge wastewater into the public water and wastewater system or any private water or wastewater system, without first making application and obtaining the requisite licenses, permits and approvals and authorization by the City Engineer to do so and after payment of any fees or charges therefor.
- 5.2 All design, construction, maintenance or repairs carried out in connection with water and wastewater systems or the supply of any water from or wastewater discharge into such systems shall conform to the City's design standards and criteria, submission requirements, standard construction specifications, the provisions of this bylaw and shall require the prescribed licenses, permits and approvals by the City Engineer. Approval of applications, licenses and permits shall be signified on the forms described in the schedules herein with any terms and conditions described thereon.

5.3 The City Engineer is hereby authorized to issue the City's:

- 5.3.1 design standards and criteria;
- 5.3.2 submission requirements;
- 5.3.3 construction specifications;
- 5.3.4 specific requirements governing water and wastewater works design, construction, maintenance, repair or operation as they may apply to different parts of the City or categories or classes of works or premises or any application submitted under the provisions of this bylaw;

for the purposes of the provision of water and wastewater system works, utility services and for the review of applications and the issuance of licenses, permits and approvals conforming with good engineering practices, federal and provincial statutes and regulations, where they may apply and any engineering studies and analyses carried out by the City therefor.

5.4 Water and Wastewater System, Capacity Allocation and Development Plans:

5.4.1 Water and wastewater works shall be designed to accommodate water demands and wastewater discharge flow rates resulting from the estimated use of utility services corresponding to projected population densities, the type and intensity of land use in any area when fully developed and the rate of water demand or wastewater flow per unit of population, land area or other such criteria approved by the City Engineer.

5.4.2 The City Engineer is hereby authorized to conduct, carry out and keep current water and wastewater system development plans to service all areas within the City, tributary to such systems or portions thereof and to keep a record of the corresponding capacity of such systems allocated to any premise or parcel of land.

5.5 The City Engineer may withhold approval of any applications for permits, licenses, or approvals governing any water or wastewater works or private systems or wastewater discharges where an engineering analysis conducted by the City discloses that:

5.5.1 an application, submission, operation or installation may not comply with the provisions of this bylaw, other City bylaws or federal or provincial statutes, regulations, standards or codes where they may apply;

5.5.2 the public water system is incapable of supplying the additional water demand, or such additional demand exceeds the system capacity allocated to the subject premise, causing thereby, reduced supply pressures or volumes to other premises or for fire fighting requirements during peak demand periods or during other critical periods;

5.5.3 the public sanitary sewage system is incapable of accommodating the additional flows during peak demand periods or such additional demand exceeds the system capacity allocated to the subject premise or during other critical periods causing thereby, the potential of sewer backup into any property or overflow;

5.5.4 the public wastewater treatment plant is incapable of treating the wastewater volumes or constituents in their concentrations without additional costs to the City or which may be inhibitory to the treatment plant process or to sufficient and safe assimilation by downstream disposal facilities or receiving streams and waters without causing damage or pollution or may cause excessive septic, odourous or other such aesthetic conditions in the wastewater system not acceptable to the City;

5.5.5 the public storm drainage system is incapable of handling the additional incremental increases in volumes of storm run-off at the time of application or the storm run-off volume exceeds the system capacity allocated to the subject premise when fully developed or excessive concentrations of sediment and pollutants may result causing thereby:

- inconvenience or increased inconvenience to pedestrian and vehicular traffic;
- flooding or ponding on roadways and other properties;
- sewer back-up or overflow onto other properties;
- excessive flows and higher costs to treat such flows at the public wastewater treatment plant;
- erosion damage on public facilities or spaces and other private property;
- excessive accumulation of sediment in the public storm drainage system which may create flooding on public and private property requiring thereby higher costs to inspect, identify and clear such obstructions;
- discharge of unacceptable concentrations of pollutants into receiving streams or rivers;

5.5.6 for any other reason such work, connection, private system or license to discharge wastewater would result in an unsatisfactory installation or condition;

the applicant shall be notified, the reasons for withholding approval shall be given and the work, connection, private system or wastewater discharge shall not be made by the applicant or any other person. If satisfactory proposals and amendments to the application are not presented by the applicant within ninety (90) days of such notification the application shall be deemed to have expired and a new application required thereafter.

5.6 Notwithstanding any other provision in this section, in the case of an application described in Article 5.5 in this section, it can be established that:

5.6.1 the applicant is unable to comply with the provisions of this section; or

5.6.2 no public water or wastewater system is available adjacent to the property of the applicant, or

5.6.3 no public water or wastewater works of sufficient capacity and design is available adjacent to the property of the applicant.

Council may authorize, subject to the terms and conditions of a written agreement, the construction of public water or wastewater works at the cost of the applicant, in conformance with the provisions of this section, either:

- as a local improvement pursuant to the Local Improvement Act; or
- an agreement wherein the City would endeavor to assist in the recovery of costs incurred by the applicant in providing such works, from other property owners who connect to or discharge into such works where the design of such works allow for additional capacity or benefit other property owners, on a pro-rated basis over an agreed upon period of time not exceeding ten (10) years; or
- an agreement wherein the applicant shall deposit sufficient funds with the City to offset his portion of the costs of construction of such public water or wastewater works carried out by the City within an agreed upon period of time but not exceeding ten (10) years;

Nothing in this section shall relieve the aforementioned applicant from payment of applicable water or wastewater connection charges, system development charges or development levy amounts.

- 5.7 All construction, maintenance, repair and operation of water or wastewater works shall be carried out by no person other than authorized employees of the City or a person licensed by the City to perform that type of work. A qualified person may apply for a water and wastewater contractors license on the form designated Schedule 'H' herein, by:

- 5.7.1 furnishing a certificate of qualification or evidence of a minimum of five (5) years experience in that capacity, satisfactory to the City Engineer; and
- 5.7.2 posting a performance deposit as set forth on the form; and
- 5.7.3 filing with the City Engineer copy of a liability insurance certificate naming the City as an insured party against accidents, suits and claims for damages of whatsoever nature arising from the contractor's work carried out under permit in the amount set forth on the form; and
- 5.7.4 agreeing to replace and restore all streets, easements, lanes or rights-of-way in a manner satisfactory to the City or forfeit the performance deposit and license; and
- 5.7.5 agreeing to repair or pay such costs in respect of other utilities or forfeit the performance deposit and license; and
- 5.7.6 providing sufficient notification, in advance of covering any work, for inspections and approval by the City Engineer as set forth on the form; and
- 5.7.7 agreeing to carry out any work on public streets in a manner causing the least inconvenience to the public, without obstructing the passage of water in the gutters or ditches, post signs and barricades by day and beacons by night; and
- 5.7.8 conforming, in every respect, to City bylaws and the Government of Saskatchewan requirements in respect of approvals, permits, inspections and street closure; and
- 5.7.9 agreeing to guarantee all his work free of defects in material and workmanship for one (1) year from the date of final approval of such work by the City Engineer;

to the City Engineer for his approval. The City Engineer may approve applications that conform to the provisions of this bylaw, by issuing a license. Every license shall be issued hereunder for a maximum period of one (1) calendar year and shall be renewable annually on January 1st upon receipt of an application thereof.

- 5.8 The City Engineer, in the course of constructing, maintaining, repairing or operating the water and wastewater works is hereby authorized to shut off water or wastewater services to any premise or customer without notice if circumstances so require and discontinue service as long as may be necessary to complete the work.
- 5.9 The City or its employees shall not be liable for any damage resulting from the sudden shutting off of water supply or wastewater collection to any person or their premises nor by reasons of the breaking of any service pipe or connection, whether they were notified or otherwise, provided however, that where there is a planned interruption of utility service for a period exceeding four (4) hours the City shall deliver to every affected premise notice of such interruption.

6. WATERWORKS

- 6.1 No person other than:
- 6.1.1 a City employee or contractor with a valid license authorized by the City Engineer or a member of the Fire Department authorized by the Fire Chief shall operate a fire hydrant or watermain valve;
 - 6.1.2 a City employee or contractor with a valid license authorized by the City Engineer operate any part of the waterworks, appliances, fittings, valves, pumps, pipes or appurtenances;

- 6.1.3 a City employee authorized by the City Engineer manipulate, operate, repair or tamper with a water meter, backflow prevention device, seals, remote reading or other such waterworks appliances and devices;
 - 6.1.4 a City employee or contractor with a valid license authorized by the City Engineer, turn on the water supply to any premises or open a curb stop cock on public rights-of-way;
 - 6.1.5 a City employee shall have and keep in his possession or under his control any curb cock key, valve key or fire hydrant wrench for the waterworks.
- 6.2 The City may limit or interrupt or discontinue supply of water to any premise or limit the hours during which water may be supplied to any premise:
- 6.2.1 due to the construction, repair or maintenance of the waterworks;
 - 6.2.2 due to lack of supply;
 - 6.2.3 due to excursions in water quality;
 - 6.2.4 in the exercise of discretion by Council under circumstances when the public interest may so require;
 - 6.2.5 where any meter is insufficiently protected from frost or other source of damage;

after delivery or broadcast in the media of such notice as may be reasonable in the circumstances except as otherwise provided in this bylaw where termination or interruption of water services is authorized to be carried out without notice or limited to a specified period without notice.

- 6.3 The City does not guarantee a constant supply of water or constant pressure or volume of water.
- 6.4 No person shall obstruct access to any fire hydrant by placing around, thereon or within six (6) meters thereof any stone, brick, lumber, dirt, rubbish or other material, or willfully or carelessly damage any fire hydrant or fill up or cover over any curb stop box, watermain valve box or in any way tamper with such valves.
- 6.5 No person supplied with water service shall vend, sell or dispose of the water, give it away, permit its use for the benefit of and by others, or use it wastefully to prevent freezing service lines or otherwise, without specific authorization from the City.
- 6.6 The City Engineer shall, whenever it is necessary to curtail the use of water, request the City Manager and Mayor, who are hereby authorized to do so by proclamation to be published in a newspaper and announced on radio two (2) days before the curtailment is to take effect, direct to what extent and in what manner the use of water shall be curtailed. The provisions of such proclamation shall have the same force and effect as of the provisions thereof were contained in this bylaw. A breach of the provisions of the said proclamations shall be and considered to be a breach of this bylaw.

6.7 **Water Meters**

- 6.7.1 (1) All water supplied by the water and wastewater utility except water used in fire fighting, shall be measured by meters supplied, installed and owned by the City, unless otherwise provided for in this bylaw.
- (2) Unmetered water supplied for street sweeping, construction, sewer and watermain flushing, street repairs, dust control, watering boulevards and other such purposes shall be estimated and the estimates submitted annually to the City Treasurer for accounting purposes.

- 6.7.2 Water meters shall be installed by the City upon approval of application for utility services, upon payment of fees, account deposits and charges and upon completion of inspections by the Public Health Officer and approvals issued thereof. Such applications shall be accepted only upon the City being satisfied that the applicant has complied with all the terms and conditions of this bylaw and is not for any reason disentitled to the utility services applied for.
- 6.7.3 All water meters shall be designed for cold water measurement and the size, type, number, manufacturer and model of meter and remote reading device shall require approval by the City Engineer prior to installation. All sizing of meters shall be based upon information supplied by an applicant for utility services.
- 6.7.4 Any auxiliary meter requested by an applicant for utility services shall be subject to reading and billing in the same manner as the main water meters with any billing adjustments made to reflect consumptive use as determined by the City Engineer. Such meters will still be subject to the minimum charges every billing period as set out in the Water and Wastewater Rates Bylaw.
- 6.7.5 A utility customer may, at his own cost and expense, supply and install meters to record the subdivision of supply provided that the main meter is retained for the City's use.
- 6.7.6 Where an applicant for a new connection to the water and wastewater utility desires a larger meter than that which the City Engineer considers sufficient such may be installed and provided that the applicant shall agree in writing to pay charges in respect of the larger sized meter and its type and manner of installation. In no case shall a smaller than sufficiently sized meter be installed.
- 6.7.7 Meters and remote reading devices shall be located to allow convenient access to the meter at all times with a clear space of at least fifty (50 cm) centimeters around the meter, in a location which is frost free, not subject to large variations in temperature, clean, dry, secure from vandalism and easily accessible for installation, disconnection, reading and maintenance. Any damage caused to a meter or remote reading device due to non-compliance with this paragraph shall be repaired by the City at the utility customer's cost.
- 6.7.8 The utility customer shall make provisions for the meter to be placed in a horizontal position or provide approved meter setters, at his own cost.
- 6.7.9 Provisions, at the customer's cost, shall be made for isolation valves on both sides of meters larger than one (1") inch or twenty-five (25 mm) millimeters. The second valve being in addition to the normal requirement of one (1) valve on the inlet or upstream side of the meter.
- 6.7.10 Provisions, at the customer's cost, shall be made for a bypass with isolation valves on bypass and both sides of meters two (2") inch or fifty (50 mm) millimeters and larger. A bypass may be omitted if the customer confirms in writing that interruptions in water supply will not cause any disruption unacceptable to the customer.
- 6.7.11 Isolation valves shall be located thirty (30 cm) centimeters away from the meter unless specified otherwise by the manufacturer of the meter.
- 6.7.12 Where there is a discrepancy between the meter reading and a remote reading device, the meter reading shall be deemed to be accurate.

- 6.7.13 All meters, remote reading devices and bypass shall be sealed with approved tags. The City shall be notified by the following weekday if such a seal is broken. No person shall tamper with, repair or install or replace any meter. The City may discontinue supply of water and wastewater utility services to any premises if the seal is broken or meter tampered with and supply may only be restored after payment of the resumption fees and other service charges arising therefrom.
- 6.7.14 Where any meter and related fittings and devices are insufficiently protected from frost, hot water or are damaged or destroyed by any cause whatsoever, the customer shall be liable to pay the costs of repair or replacement as determined by the City.
- 6.7.15 When a meter is installed, repaired or exchanged, the City shall not be responsible for any damage caused to the waterworks, fittings, devices or customer's premises as a result of such installation, repair or exchange.
- 6.7.16 If a meter fails to register correctly for any portion of a billing period, the amount of water consumption for such billing period for the purpose of billing shall be taken as being the same as that of the corresponding billing period in the immediately preceding year or a portion thereof. Where no consumption has been recorded for the inaccurately metered period the amount of billing shall be equal to the billing for the succeeding billing period. Such determination by the City shall be final and binding.
- 6.7.17 When the accuracy of a meter is suspect, whether by customer request or otherwise, the City Engineer may remove and have the meter tested. All such customer requests shall be subject to a deposit. If the volume registered by the meter as tested is found to be within three (3%) percent of the volume actually passing through the meter, its readings shall be deemed to be accurate and in the case of a deposit made by a customer in respect of such a test, the deposit shall be forfeited to the City. If the difference between the volume registered by the meter and the actual volume passing through the meter exceeds three (3%) percent of the actual volume, the meter shall be deemed to be inaccurate and the meter shall be replaced or repaired, the customer's meter testing deposit refunded and the customer's billing for only the immediately preceding period in which the test was carried out, shall be adjusted accordingly and reflect the amount of inaccuracy revealed by the test. The decision of the City in respect of the billing adjustment shall be final and all prior accounts shall be deemed to be properly rendered and payable in accordance with this bylaw.
- 6.7.18 Upon request by the City Engineer if a customer's water service was permitted to run continuously for any period due to repairs, maintenance or other such cause the City Treasurer shall adjust the customer's consumption to offset the higher consumption as determined by the City Engineer. The City's decision as to the charge shall be final and binding.
- 6.7.19 No branch pipe shall be taken from any part of a water service connection such that flow through the branch pipe bypasses the meter and is not recorded.

6.8 **Fire Protection**

- 6.8.1 The owner or occupant of a premise who has been served by an order from the City under signature of the Fire Chief to provide for fire protection measures which require the supply of water from a public watermain to private fire hydrants, standpipes, hose systems, sprinkler systems or other such apparatus, or where such measures are a condition of development or building permits, the owner or occupant of such premises shall forthwith have plans and designs prepared and submitted to the City Engineer, along with supporting calculations for approval of such connection and service. Separate submissions shall be made to the Fire Chief for his approval of the fire protection measures. The provision of such water service shall be at the cost of the said owner or occupant.
- 6.8.2 The means and methods for making connections from public watermains to fire protection measures in Article 6.8.1 above shall be subject to the approval of the City Engineer. Connections may be dedicated for fire protection only or may be designed for both fire protection and consumptive or domestic use, also referred to as a combined service herein and as authorized by the City Engineer.
- 6.8.3 The owner or occupant of a premise providing a fire service shall make application for the supply of water utility service on the form designated as Schedule 'A' herein prior to installation of such service and shall facilitate and leave open any part of the installation for inspection and tests or have such tests carried out as may be required by the City Engineer or Fire Chief prior to covering up the installation for final approval.
- 6.8.4 Every fire service connection between a public watermain and structure shall be installed by a qualified contractor holding a valid and subsisting license issued by the City for such work, as shown on the form designated Schedule 'H' herein.
- 6.8.5 Every fire service or combined service connection to a public watermain shall be sized to accommodate the total design peak flows to:
- 6.8.5.1 the number, distribution, type and required coverage of private fire hydrants; and
 - 6.8.5.2 sprinkler systems; and
 - 6.8.5.3 fire hose and/or standpipes; and
 - 6.8.5.4 other fire suppression systems; and
 - 6.8.5.5 all the domestic fixtures;
- served by the fire service or combined service connection but in no case shall the said connections or hydrant leads be less than fifteen (15 cm) centimeters in diameter.
- 6.8.6 Every fire service or combined service shall be equipped with isolation valves of an approved type, installed at the following locations:
- 6.8.6.1 on every leg from the connection point of a fire or combined service to a public watermain, located one (1.0) meter from such connection point; and
 - 6.8.6.2 on every private fire hydrant lead; and
 - 6.8.6.3 on fire or combined service lines supplying flow to private fire hydrants such that no more than one such fire hydrant would be isolated by the closure of any two isolation valves on such fire or combined service lines.

- 6.8.7 The owner or occupant of a premise, when so required by the Fire Chief and City Engineer, as a condition of approval for a fire service connection, shall provide at their own cost, an auxiliary fire or combined service connection from a public watermain to the said premise to ensure continued water supply and fire protection coverage. The two connection locations on the said public watermain shall be separated by at least two (2) isolation valves. Such auxiliary water service connections shall conform to the requirements for approval of the City Engineer.
- 6.8.8 Every fire service or combined service shall be equipped with testable backflow prevention devices designed to achieve positive premise isolation under all possible operating and emergency conditions, to prevent any possibility of contamination of the public water supply and conforming to the requirements and approval of the City Engineer.

6.9 **Backflow Prevention And Cross Connection Control**

6.9.1.

6.9.1.1 No person or owner or occupant of a premise shall connect, cause to be connected, or allow to remain connected to the water system any piping, fixture, fitting, container or appliance, in a manner which, under any circumstances, may allow water, wastewater or any other liquid, chemical or substance to enter the public water system or the water system within the premise without installing backflow prevention devices on the water system in and upon the premise.

6.9.1.2 Every person or owner or occupant of a premise shall provide a backflow prevention device or eliminate cross connections to the public water supply at the connection to the premise where the following circumstances, conditions and actions exist or could occur:

- premises where the nature and extent of any activity or the methods, materials, equipment or apparatus used in connection with any activity on the premises, or materials stored on the premises, could contaminate or pollute the potable water supply or the public water supply in any way;
- premises having any cross connection;
- premises with internal cross connections that are not correctable, or with intricate plumbing arrangements, which make it impractical to ascertain whether or not a cross connection exists;
- premises with a repeated history of cross connections being established or re-established;
- premises with unsafe or unduly restricted entry so that inspections for cross connections cannot be made with sufficient frequency or with sufficient notice to assure that cross connections do not exist;
- where materials of a toxic or hazardous nature are used and which, with the occurrence of backflow or backsiphonage could cause a health hazard;
- where apparatus or mobile apparatus using water from another premise served by the water utility or private water system;
- dwellings occupied by persons other than owners, and where such devices are considered necessary by the City;
- where a separate or combined fire service connection is made to the public water system;
- where the water service connection to the public water system includes the supply for hot water boilers and a lack

- of sufficient pressure, excessive pressure or interruption of water supply could damage the boilers, or the premise;
- where steam or hot water may be forced into the water service connection;
- where an approved pump is installed for the purposes of boosting water pressure within a premise.

6.9.2.

6.9.2.1 The City Engineer is hereby authorized to carry out inspections, after serving notice to any owner or occupant of a premise where the conditions described in Article 6.9.1 herein exist or could occur. If such conditions are found to exist or could occur, the owner or occupant of such premise shall be notified to undertake cross connection control measures and install backflow prevention devices of approved type and design and where a severe hazard to the public water system exist or could occur to forthwith isolate the premise from the public water system in a manner approved by the City Engineer.

6.9.2.2 In addition to the backflow prevention and cross connection control measures stipulated pursuant to Article 6.9.2.1 above, a Public Health Officer may require additional backflow prevention or cross connection control measures to be carried out to the water system in the premises.

6.9.2.3 The owner or occupant of a premise who is required to undertake backflow prevention or cross connection control measures or to install backflow prevention devices, shall do so at his own cost, within the time period specified in the notice, with devices of type and design and in a manner approved by the City Engineer or Public Health Officer, failing which the City Engineer is hereby authorized to discontinue water service to the premise.

6.9.2.4 The owner or occupant of a premise whose water service has been discontinued pursuant to Article 6.9.2.3 and who desires such water service restored shall make application for the supply of utility services on the form designated Schedule 'A' herein and submit plans, details and schedules for the installation of backflow prevention devices and cross connection control measures, to the City Engineer for approval.

6.9.2.5 Upon completion of backflow prevention and cross connection control measures, their successful testing and after receipt of payment by the City of any charges or fees thereof, the City Engineer may issue final approval of such measures and initiate or restore water supply to the premises.

6.9.3

6.9.3.1 All testable backflow prevention and cross connection control devices shall be inspected and tested, at the cost of the owner or occupant of a premise, upon installation and annually thereafter, by a cross connection specialist duly qualified after a recognized course of instruction, using only calibrated and approved testing equipment and holding a valid and subsisting license issued by the City Engineer.

6.9.3.2 A tag issued by the City Engineer, signifying approval of each testable backflow prevention or cross connection control device, after review and approval of a prescribed testing report submitted by a licensed tester within thirty (30) days of tests performed, shall

be permanently displayed adjacent to the device and contain all particulars required thereon.

6.9.3.3 If a backflow prevention or cross connection control device fails an initial or annual test, the owner or occupant of the premise shall forthwith repair or replace such device within ninety-six (96) hours or other such period specified on the City Engineer's review of the test report failing which, the provisions of Article 6.9.2 herein shall apply.

6.9.4 All backflow prevention or cross connection control devices and the methods and manner of their installation and testing shall conform to the provisions of the Public Health Act, regulations made thereof and codes or standards referenced therein.

6.9.5 The person or owner or occupant of any premise to whom the provisions of this section apply shall pay the costs of:

6.9.5.1 disconnecting any part or portion of the internal water system or pipe, fixture, fitting, container or appliance which fail to conform to the requirements of this section;

6.9.5.2 installation, inspection, testing, repairs or replacement of backflow prevention or cross connection control devices or measures; and

6.9.5.3 such other measures required to be performed by such person, owner or occupant pursuant to this section.

6.9.6 No person shall operate a water service connection or water supply valve to provide water to a newly renovated, constructed, reconstructed premise or a premise subject to the provisions of this section until such premise has been inspected and approved for backflow prevention or cross connection control measures and authorized to do so by the City Engineer.

7. WASTEWATER SYSTEM

7.1 No person shall:

7.1.1 discharge or cause to be discharged any storm water, surface water, roof run-off, water from a cooling plant, unpolluted industrial process waters, groundwater or sumps into any sanitary sewer except groundwater from weeping tile drains or industrial cooling water where approved by the City Engineer and only where such industrial process or cooling plant water is properly metered;

7.1.2 place, deposit, or permit to be deposited in any manner upon public or private property:

7.1.2.1 human or animal excrement;

7.1.2.2 septic tank sludge;

7.1.2.3 greases, oils or sediments from interceptor or trap sumps except for stabilized manure for agricultural or horticultural purposes;

7.1.3 discharge or cause to be discharged any sanitary sewage, industrial process or cooling water or other polluted waters into the storm sewers, drains, ditches, channels, natural outlets, detention ponds, wetlands, roads, watercourses or other surface conveyances;

7.1.4 discharge wastewater into the public wastewater system in excess of volumes permitted and concentrations of substances permitted under a wastewater discharge license;

7.1.5 alter or construct any flow restrictors unless approved by the City Engineer;

- 7.1.6 interconnect any sanitary sewer and storm drainage sewer or surface conveyance or sanitary sewer service connection and weeping tile drain.
- 7.2 No person shall discharge or cause to be discharged into the wastewater system any wastewater which contains materials or substances as follows:
- 7.2.1 of any type, quantity or at any temperature which either singly or by interaction with other substances may:
 - create a public nuisance or hazard to life or property;
 - prevent human entry into any portion of the wastewater system for maintenance and repairs;
 - damage, interfere, impair or inhibit the operation of wastewater conveyance, sewers or treatment systems;
 - 7.2.2 water from roof drainage or snow melt into the public sanitary sewage system;
 - 7.2.3 oils, greases, petroleum, fuels, ignitable or inflammable materials;
 - 7.2.4 two or more separate liquid layers;
 - 7.2.5 dyes, paints, solvents;
 - 7.2.6 pesticides, herbicides;
 - 7.2.7 toxic, radioactive, hazardous materials or biomedical wastes;
 - 7.2.8 solid or viscous substances in quantities or of such size as to cause obstruction to the flow of wastewater;
 - 7.2.9 material from a cesspool;
 - 7.2.10 carbon disulphide, hydrogen sulphide, ammonia, trichlorethylene, sulfur dioxide or formaldehyde;
 - 7.2.11 containing ashes, cinders, sand, mud, straw, grass clippings, wood shavings, metal, glass, rags, feathers, tar, plastics, wood, whole blood, creosote, asphalt, paper, pulp or articles made thereof;
 - 7.2.12 excrement, intestinal contents, entrails, nails, hair, body parts, shells, fats, tallow from animals, birds, fish, crustaceans;
 - 7.2.13 slurries of concrete, cement, lime, mortar, grains, hops, whole or food residues, chemical residues, food processing residues, bulk solids, hide processing residues and containers of any nature.
- 7.3 Without limiting the generality of the provisions of Articles 7.1 and 7.2 above, no person shall discharge or cause to be discharged any wastewater which has the following restricted characteristics:
- 7.3.1 into the public sanitary sewage system except where authorized in a wastewater discharge license:
 - 7.3.1.1 Temperature greater than 65° C;
 - 7.3.1.2 pH lower than 5.5 or greater than 9.0;
 - 7.3.1.3 Solids retained by a 12 mm screen and which may cause blockage of the public sanitary sewage system;
 - 7.3.1.4 Hauled sewage from septic tanks and holding tanks;
 - 7.3.1.5 Grit and scum from interceptors or traps at garages, restaurants, hotels, automobile washing establishments, commercial, industrial and institutional establishments, kitchens, laundries, etc.
 - 7.3.1.6 Solvents, petroleum derivatives, gasoline, benzene, naphtha or fuel oil;
 - 7.3.1.7 Containing contaminants which would prevent wastewater sludge from wastewater treatment works from being utilized on agricultural lands;
 - 7.3.1.8 Unusual concentrations of inert suspended solids such as Fuller's earth;
 - 7.3.1.9 Unusual concentrations of dissolved solids such as sodium chloride, calcium chloride, sodium sulphate;
 - 7.3.1.10 Unusual concentrations of materials which may impair the quality of receiving waters or ground waters;

7.3.1.11 Substances in combined and uncombined form with total concentrations, both dissolved and undissolved in excess of the levels set out below:

<u>Substance</u>	Concentration in Milligrams per Litre for Each 24 Hour Composite
	<u>Sample</u>
BOD ₅	300
TSS	300
Oils and Greases (synthetic & mineral)	15
Oils and Greases (animal or vegetable)	100
Kjeldahl Nitrogen (Total)	40
Phosphorus (Total)	10
COD	500
Aluminum	25
Arsenic	1.0
Boron	50
Cadmium	1.0
Chlorides	1500
Chromium (Total)	5.0
Copper	3.0
Cyanide	3.0
Lead	1.0
Mercury	0.1
Nickel	2.0
Phenol	20
Sulphates	1000
Zinc	3

7.3.1.12 Substances in such concentrations as to render the public wastewater treatment plant effluent unsuitable for discharge and disposal into downstream receiving waters or facilities;

7.3.1.13 Landfill leachate.

7.3.2 into the public storm drainage system:

- 7.3.2.1 Substances which impair the quality of water in any well, lake, river, pond, groundwater, stream, reservoir, or any other water or watercourse;
- 7.3.2.2 Temperature greater than 40° C except when authorized to thaw frozen facilities;
- 7.3.2.3 pH less than 6.5 or greater than 8.5;
- 7.3.2.4 Fecal coliforms in density of more than 1000 per 100 milliliter in any sample;
- 7.3.2.5 Other substances which result in the contravention of discharge limits or assimilative capacity of receiving waters;
- 7.3.2.6 Sediments or suspended solids in sufficient concentration to cause blockage of inlets, sewers, culverts, ditches, channels and other conveyances.

7.4 In the event that any blockage, either wholly or in part, of the public wastewater system is caused by reason of failure, omission or neglect to comply strictly with the provisions of this bylaw, the owner or occupant of a premise concerned therewith shall, in addition to any penalty for infraction of the provisions herein, be liable to the City for all costs for clearing such blockage or damage for which the City may be held liable.

7.5 Control of Wastewater Discharge

No person shall discharge the following wastewaters into the public wastewater system without a wastewater discharge license and may only do so in compliance with the terms and conditions of such license after making application and providing such information, as may be required, for the City Engineer's approval as set out in Schedule "C" herein:

- 7.5.1 sewage effluent hauled from private septic tanks or holding tanks and discharged into the public wastewater treatment plant;
- 7.5.2 trailer dump station receiving sewage from recreational vehicles for discharge into the public sanitary sewage system;
- 7.5.3 premises discharging sewage into a public sanitary sewer with characteristics described in Article 7.3.1 of this section;
- 7.5.4 premises discharging storm run-off into the public storm drainage system as described in Section 8, WATER AND WASTEWATER SERVICE CONNECTIONS, Subsection 8.8, Storm Drainage Service Connections;

after payment of any charges and fees thereof.

No licensee shall discharge wastewater into the public wastewater system with characteristics or volumes in excess of the limits set out in such license.

All licenses are issued for a maximum of one calendar year and are renewable annually on January 1.

Each applicant for a wastewater discharge license shall provide at his own cost, such treatment and facilities as may be necessary to render the characteristics of the wastewater or flow of discharge to a level acceptable to the City before any approval shall be granted. All such treatment and facilities shall be maintained in continuous, satisfactory and effective operation by the licensee at his own cost. The construction of such facilities shall be carried out in compliance with federal, provincial and City laws, bylaws, regulations, codes and policies.

The City Engineer is hereby authorized to disconnect or discontinue sewer or wastewater service or cancel a wastewater discharge license due to non-compliance of a licensee with this bylaw or the owner of a premise conducting a wastewater discharge into the public wastewater system, in contravention of this bylaw and where full compliance is not achieved by such licensee or premise owner within a thirty (30) day period of notice.

7.6 Sanitary Sewage System

7.6.1 Interceptors

The owner or occupant of any premise which discharges wastewater into the public sanitary sewage system containing oil, grit, grease, sand or inflammable substances shall provide an interceptor on the property at a location directed by the Public Health Officer.

All such interceptors shall be kept in good working condition at all times and the sump emptied at a frequency sufficient to prevent overloading of the interceptor and overflow of prohibited or restricted wastewater constituents into the public sanitary sewage system.

7.6.2 Monitoring and Testing

7.6.2.1 Each licensee described in Article 7.5 herein and owners or occupants of non-residential premises which, as determined by the City, may discharge sewage of characteristics or volumes described in Article 7.3.1 herein shall provide, at their own cost, a

control or test manhole in the sewer service connection to facilitate observation, sampling and measurement of wastewater discharges.

Such control or test manhole shall conform to the City's standard construction specifications and installed at an approved location.

7.6.2.2 Should testing of the sewage being discharged into the public sanitary sewage system be required for the purpose of determining the high strength sewage surcharge, said testing shall be conducted by the City Engineer in accordance with one of the methods hereinafter described or by mechanical sampling devices:

Method of Sampling and Analysis No. 1:

- 7.6.2.2.1 - samples from the sewage discharged by a premise shall be collected each day for a minimum of two days in the week the test is conducted;
- four grab samples of equal volume shall be taken each day, such samples to be taken at least one hour apart;
 - the analysis shall be conducted on the composite sample made of each day's grab samples;
 - the results of these tests shall be averaged for this period to determine the characteristics and concentration of the sewage being discharged into the sanitary sewage system.

Method No. 2:

- 7.6.2.2.2 - a minimum of seven grab samples shall be taken, one each day at different days in any thirty day period;
- analyses shall be conducted separately on each day's grab sample;
 - the final results of these tests shall be averaged for this period to determine the characteristics and concentration of the sewage being discharged into the sanitary sewage system.

7.6.2.3.1 The City Engineer may from time to time, conduct tests as described in Article 7.6.2.2 of this section at the test manhole, or, where there is no test manhole located at a place satisfactory to test the sewage being discharged, the City Engineer may enter upon the premises from which the sewage originates and conduct the tests as he deems necessary.

7.6.2.3.2 The results of tests conducted by the City Engineer may be used to determine whether or not a high strength sewage surcharge is to be imposed.

7.6.3 High Strength Sewage Surcharge:

7.6.3.1 When tests carried out pursuant to this bylaw disclose that the sewage from any premises discharged into the sanitary sewage system exceed the limits set out on a wastewater discharge license or set out in this bylaw such licensee or owner or occupant of such premise shall be subject to a high strength sewage surcharge in addition to the sanitary sewer charge as set out in the Water and Wastewater Rates Bylaw.

The surcharge shall be calculated by the formula set out in Schedule “E” herein.

7.6.3.2 Where a high strength sewage surcharge has been established pursuant to Article 7.6.3.1 of this section, it shall remain in effect for a minimum period of two (2) billing cycles after which the sewage shall be retested at the customers cost and surcharges adjusted accordingly.

7.6.4 Sanitary Sewer Charge Adjustments:

7.6.4.1 A separately metered water line used exclusively in cooling towers or for other such purposes where the resulting wastewater is not discharged into the wastewater system directly or indirectly, may, upon application by the customer to the City, be exempted from sanitary sewer volume charges based upon the metered volumes of such water. Approval for such exemptions will be dependent upon compliance with the standards of meter installation established by the City Engineer.

To be eligible for a reduction in sanitary sewer volume charges, a customer must use more than ten (10%) percent of the metered water in such cooling towers or for other than consumptive and irrigation purposes.

The types of metering equipment used to determine sanitary sewer flow volumes shall conform with standards approved by the City Engineer.

7.7 Storm Drainage System

7.7.1 Storm drainage system works shall be designed to accommodate run-off volumes resulting from storm events of duration and intensity, corresponding to a maximum rate of run-off or maximum volume required, and of return periods of:

7.7.1.1 a five (5) year return or other more frequent minor storm event specified in the City’s drainage plans or engineering studies, for the provision of storm sewers and associated works; and

7.7.1.2 a one hundred (100) year return or other more frequent major storm event, specified in the City’s drainage plans or engineering studies or the equivalent combination of more frequent storm events for surface discharge and conveyance in channels, ditches, gutter, roads, detention ponds or other such surface conveyances and the provision of any works associated therefor;

for the type and intensity of land use in any area of the City, when fully developed.

8. WATER AND WASTEWATER SERVICE CONNECTIONS

8.1 Every water service connection, sanitary sewer service connection, storm drainage service connection for a premise or building to a public watermain, a public sanitary sewer, public storm drainage system or a private water and wastewater system shall conform to the provisions of regulations made pursuant to the Public Health Act and this bylaw and to those provisions of this bylaw where they are at variance from or exceed any minimum requirements specified in such regulations.

8.2 The owner or occupant of any premise or building or any part thereof, to be serviced by a new or with a subsisting water service connection, sanitary sewer service connection or storm drainage service connection shall, before constructing, renovating, adding to, removing from, demolishing or altering in any way such premise, building or part thereof:

- 8.2.1 make application to the City for a permit, issued by the Public Health Officer to install or alter the plumbing within such buildings or structures or any private water or wastewater systems thereon, pay any fees or charges thereof and comply with the provisions of regulations made pursuant to the Public Health Act therefor; and
 - 8.2.2 make application to the City for a permit issued by the City Engineer for the installation, repair or alteration of any water service, sanitary sewer service connection or storm drainage service connections to the public water and wastewater system or private water and wastewater systems, pay any fees or charges thereof, comply with the provisions of this bylaw and the City's design and construction standards; and
 - 8.2.3 file with the City plans, designs and any other particulars or submissions required pursuant to this section and regulations made under the Public Health Act; and
 - 8.2.4 comply with the terms and conditions of licenses, permits, approvals, inspection notices and notices for final approval issued by the Public Health Officer or the City Engineer therefor.
- 8.3 No person other than authorized employees of the City or a Contractor with a valid license and permit issued for such purposes as approved and authorized by the City Engineer shall construct, maintain, repair or terminate water or wastewater service connections from the outer wall of any building, structure or premise to public watermains, wastewater mains or surface conveyances of storm run-off. All such work performed by a contractor shall comply with the provisions of the City's Standard Construction Specifications, and shall be guaranteed free of defects in materials and workmanship for twelve (12) months from the date of final approval issued by the City Engineer. The costs of restoring any surface or subsurface works or features disturbed, damaged or displaced as a result shall be borne by the permittee, unless otherwise provided herein or in a written agreement between the City and premise owner.
- 8.4 The owner or occupant of a premise or building shall forthwith make application, as described in Schedule 'A' herein, for new water or wastewater service connections between the outer wall of his premise or building to the public water or wastewater system when:
- 8.4.1 connecting buildings or premises not previously serviced by public water or wastewater systems whether previously existing or when extended so as to become available to such buildings or premises;
 - 8.4.2 existing water or wastewater service connections have been determined by the City, in accordance with the City Engineer's analysis, to be of inadequate size, capacity or lacking adequacy or reliability of service to meet the needs and peak water demands of the premise owners or peak wastewater discharge flows from the premises;
 - 8.4.3 using existing water or wastewater service connections servicing premises whereupon demolition of buildings or structures has occurred and the conditions described in Article 8.4.2 above apply or if such service connections are determined by the City to be of poor condition and require replacement;
- and complete the water and wastewater service connections, at his own cost, in accordance with the City's design standards and criteria, standard construction specifications and the terms or conditions of permits and approvals thereof including the costs of construction, trenching, piping, compacted backfill, appurtenances, the restoration of any disturbed, damaged or displaced surface or subsurface works or features including curbs, sidewalks, roads, boulevards, lawns, bushes, trees, other public utilities, traffic control devices and ornamental features.
- 8.5 Where a building has been demolished, the subsisting service connections from the premise or new building to public water and wastewater systems shall not be reused without the approval of the City Engineer and if approved may, in addition

to other terms and conditions, be subject to a satisfactory indemnity, submitted by the owner of such building, saving the City harmless from claims.

- 8.6 The owner or occupant of every building or structure upon any premise abutting a public right-of-way or easement upon or under which exist or may exist public water or wastewater works shall, at his own cost, provide separate water, sanitary sewer or storm drainage service connections to each building except:

- 8.6.1 buildings comprising more than one self-contained ownership or tenancy units or subdivided by legal subdivision separated by party walls or other such means, may be serviced by common or jointly owned service connections to the public water and wastewater works, provided that the owners of such buildings or premises enter into an agreement with the City establishing that the whole of the service connections shall be administered, billed and dealt with as one customer contract and outlining other terms and conditions regarding the responsibility for the repairs, maintenance and replacement costs as well as any other terms and conditions under which such services may be supplied and provided also that such agreement shall run with the land, binding subsequent owners and protected by registration at the Regina Land Titles Office; or
- 8.6.2 where one building is located at the rear of another on a lot and such service connections cannot be constructed to the rear building upon or under the land or an easement on adjoining lands, such service connections may be extended from the front building to the rear building subject to the approval of the City Engineer; or
- 8.6.3 when the City, upon carrying out repairs or replacement within public rights-of-way may retain subsisting common or jointly owned service connections provided that the owners of the premises affected enter into an agreement with the City as described in Article 8.6.1 herein, failing which the City may construct separate service connections, after notification to and at the cost of the said owner or occupant;

provided that the servicing of such premises or buildings conforms to the regulations pursuant to the Public Health Act.

- 8.7 Every building service connection shall be constructed from the building or premise to the nearest abutting water or wastewater works. No such service connection shall be constructed across adjacent private land, along or across public rights-of-way except to cross a boulevard to the said abutting water or wastewater works without approval from the City Engineer. In the case where such abutting water or wastewater works are not available the provisions of Section 5, GENERAL PROVISIONS herein shall apply.

8.8 **Storm Drainage Service Connections:**

- 8.8.1 No owner of any premises shall discharge or cause to be discharged any storm run-off from such premise into a public storm sewer or onto the surface of a public right-of-way or premises owned or controlled by the City whether by means of a pipe, swale, ditch, pond, inlet or other conveyance without obtaining approval of a plan for such drainage and a wastewater discharge license issued thereby;
- 8.8.2 Every applicant seeking approval of a drainage plan by the City Engineer shall submit the following information on such plans:
 - 8.8.2.1 elevations of the site and storm run-off drainage facilities thereon;

8.8.2.2 calculations for the sizing of storm drainage conveyances and associated works including temporary storage of run-off, inlets, pipes, discharge of excess storm run-off from temporary storage facilities into or onto the public storm drainage system and any other additional details required for approval.

8.8.3 Storm run-off drainage plans shall comply with the following requirements:

8.8.3.1 designed and constructed in accordance with the City's:

- design standards and criteria;
- submission requirements;
- standard construction specifications; and
- system capacity allocated to any premise.

8.8.3.2 roof drainage shall not be connected directly into a storm drain for discharge into a public storm sewer, unless so authorized by the City Engineer and in accordance with the regulations made under the Public Health Act and this bylaw;

8.8.3.3 storm run-off discharge volumes shall be those resulting from a storm event of duration and intensity corresponding to a maximum rate of run-off or maximum storage volume required, from a storm event of a return period of:

- .1) a five (5) year return or other more frequent event, as specified by the City, for discharge into a public storm sewer; and
- .2) a one hundred (100) year return or other more frequent major event as specified by the City, or the equivalent combination of more frequent storm events, for surface discharge and conveyance in channels, ditches, gutters, roads, detention ponds, or other such surface conveyances; and

provided that such storm run-off discharge volumes shall in no case exceed that portion of the capacity of the public storm drainage system, allocated by the City to such premises and based upon the run-off potential of such premises when fully developed.

8.8.3.4 where storm run-off discharge volumes are in excess of the aforementioned allocated public storm drainage system capacity, such excess shall be temporarily stored in a detention pond or area on the subject premise for later release into the public storm drainage system at a rate of release not in excess of the allocated system capacity and in a manner approved by the City Engineer. Any temporary storage or detention pond or area and associated works shall be provided at the cost of the owner of the said premise and subject to the terms and conditions of a wastewater discharge license issued thereof.

8.8.3.5 The owner of any premise abutting or within reasonable proximity to a public storm sewer and required to discharge storm run-off into such storm sewer shall provide, at his cost, a storm sewer inlet and storm service connection of a size and capacity in accordance with the provisions of this section.

8.8.3.6 All premises up to and including one thousand (1000 m²) square meters in area shall be exempt from the aforementioned "STORM DRAINAGE SERVICE CONNECTIONS" requirements except

for any lot grade slips required under the building bylaw or zoning bylaw and provided that the total area of such premises rendered impervious by buildings, structures and hard landscaping do not exceed forty-five (45%) percent of the area of the lot or parcel of land when fully developed. If such impervious area exceeds forty-five (45%) percent of the lot or parcel area, the provisions of Section 5, GENERAL PROVISIONS of this bylaw shall apply.

8.8.3.7 The aforementioned drainage plans shall be provided at the premise owner's own cost except where upon application and submission of detailed dimensioned site plan with site elevations and other required information is made, the City Engineer may provide to the applicant volumes and rates of storm run-off, temporary storage volumes for a premise not exceeding six (6 ha) hectares in area, subject to a prescribed service charge and provided that the applicant submits a satisfactory indemnification holding therefor the City and the City Engineer harmless from any claims. The premise owner may supply such storm run-off data to his engineering consultant for incorporation into the aforementioned drainage plan.

8.9 **Subsoil Drainage:**

8.9.1 The owner of a premise shall direct all subsoil or weeping tile drains to discharge into a sump, equipped with a sump pump of sufficient capacity with its outlet discharging onto the exterior surface of the premise and directed to drain into a storm sewer service inlet where such is available on the premise, as approved; except as provided for in article 8.9.2 herein.

8.9.2 Weeping tile drains may be connected to a public sanitary sewer where approved by the City Engineer and provided that:

8.9.2.1 all roof run-off is discharged onto the surface of the premise at least 1.2 meters away from any foundation wall of a building;

8.9.2.2 the premise is graded in such a manner as to provide positive drainage away from any building; and

8.9.2.3 the type, size, length and manner of weeping tile drain installation meets with approval of the City Engineer.

8.10 **Installation Requirements:**

8.10.1 All water and wastewater service connections shall:

8.10.1.1 conform to the provisions of a grade slip issued by the City Engineer;

8.10.1.2 have all piping placed with an earth cover of not less than two decimal four (2.4 m) meters below the final grade of the ground surface at all points between a public utility main and the inside face of the foundation wall of a building or structure unless otherwise approved by the City Engineer who may specify the placement of insulation, thaw wire or other methods of frost protection, at the cost of the premise owner.

Notwithstanding the aforementioned minimum earth cover to storm drainage piping from an inlet to a storm sewer may be reduced to not less than one decimal two (1.2 m) meters below finished grade of the ground surface, where approved by the City Engineer;

8.10.1.3 be of a size, material and located as approved by the City Engineer but in no case shall a sanitary sewer service

connection pipe be less than four (4") inches or ten (10 cm) centimeters in diameter, nor a storm drainage service connection pipe be less than six (6") inches or fifteen (15 cm) centimeters in diameter nor a water service connection pipe be less than three quarters (3/4") inches or twenty (20 mm) millimeters in diameter;

- 8.10.1.4 conform to the City's design standards and criteria and standard construction specifications in every respect for design and installation.

8.10.2 No owner of any premise shall install or cause to be installed:

- 8.10.2.1 hot water boilers, hot water tanks and other such water operated heating or cooling equipment which are not equipped with suitable and sufficient devices such as diaphragm expansion tanks, temperature and pressure relief valves, auxiliary thermal expansion relief valves, pressure reducing valves, vacuum or air relief valves, high temperature or pressure shut offs, backflow prevention or other such safety devices, to prevent damage to such equipment from collapse, explosion or to prevent the migration of hot water or steam into the water service and public watermains, due to interruptions, termination or variations in water pressure. Any such equipment failure and consequent property damage shall be the responsibility of the premise owner;
- 8.10.2.2 a pump in the water system of his premise for the purposes of increasing water pressure without the City Engineer's approval, who may require the installation of devices, fixtures or appliances to prevent contamination of the potable water system or public water supply by requiring the installation of backflow prevention devices, and annual testing therefor, at the cost of the premise owner;
- 8.10.2.3 or altered or removed any water or wastewater service connections and associated fixtures, fittings, appliances or devices without the City Engineer's approval;
- 8.10.2.4 weeping tile, subsoil drains and floor drains connected to the sanitary sewer service without a trapped backwater valve;
- 8.10.2.5 rainwater leaders or drainage sumps connected to a building drain or sanitary sewer service.

8.10.3 Every applicant for a sanitary sewer service connection shall provide backflow prevention measures where a building drain or branch may be subject to backflow, in accordance with the Public Health Act, regulations made thereunder and standards adopted by the City.

8.10.4 The owner of a premise, whose building drain cannot be connected to a public sanitary sewer by gravity, shall install at his own cost, a pump-out tank, complete with pressure rated service pipe and fittings, in conformance with the regulations made under the Public Health Act and subject to the following additional requirements:

- 8.10.4.1 the peak rate of wastewater discharge into the public sanitary sewer shall not exceed that of inflow into the pump-out tank;
- 8.10.4.2 plans, details and applications for service and permit shall be submitted for the approval of the City Engineer;
- 8.10.4.3 adequate fixtures, appliances and devices shall be provided for pressure and air relief, flow control, pump control and to facilitate access, regular cleaning and maintenance;

- 8.10.4.4 piping shall be Series 160 Polyethylene or C900 PVC or approved equal;
- 8.10.4.5 maintenance, repair and replacement of the entire pressure sewage service connection from the building to the public sanitary sewer shall be at the cost of the owner of the premise who shall also ensure at his own cost, that the said service connection is protected from damage, tampering and freezing.

8.11 **Protection, Repairs, Maintenance and Replacement:**

8.11.1 Every applicant, owner or occupant of premises served by water or wastewater services shall, at his own expense, ensure that:

- 8.11.1.1 all water or wastewater service connections, pipes, fixtures, appurtenances, appliances, culverts under driveway approaches and associated works between the public water mains, wastewater mains or surface conveyances of storm run-off under or upon public rights-of-way and the premises at which such services are supplied, are kept in good maintenance, repair and replaced when notified by the City to do so excepting for any portion thereof lying between the said public mains or surface conveyances and the outer line of the street abutting the premises;
- 8.11.1.2 all water and wastewater valves, pipes, meters, fixtures, fittings and devices from the said premises to the abutting outer line of the street at which such services are provided, are protected from tampering, frost or other damage;
- 8.11.1.3 all pipes and conveyances upon or under his premises are kept clear of sediment or blockages and shall assume responsibility for the costs of clearing such blockage and any damage caused thereby;
- 8.11.1.4 upon receiving notice from the City Engineer to carry out the aforementioned maintenance, repairs, protective measures or replacement of such water or wastewater service connections, to do so within seven (7) days or other such time period specified in such notice, failing which the City Engineer may enter upon the premises, discontinue water supply thereto, complete the maintenance, repairs, protective measures or replacement and charge all the costs thereof to the owner of the premise. The City may discontinue water supply to a premise if it is deemed necessary to prevent damage to private or public property or wastage of water due to leakages, breaks, freezing lines, sewage back-up or overflow.

8.11.2 Every applicant, owner or occupant of premises serviced by water or wastewater services that comprise of:

- 8.11.2.1 a four (4") inch or ten (10 cm) centimeter or larger diameter water service connection pipe; or
- 8.11.2.2 a four (4") inch or ten (10 cm) centimeter or larger sized water meter;

shall be responsible and bear the cost of any maintenance, repair or replacement of all water and wastewater service connections lying between public mains or surface conveyances and the outer line of the street abutting the premises, in addition to the provisions of Article 8.11.1.1 to 8.11.1.4 herein.

- 8.11.3 The City shall be responsible for and bear the cost of providing protective measures, maintenance, repair or replacement of that portion of water or wastewater service connections lying between public mains or surface conveyances and the outer line of the street abutting any premise excepting those described in Article 8.11.2 herein and described elsewhere in this bylaw.

The City's responsibilities for maintenance and repairs shall include:

- 8.11.3.1 removal of blockages and accumulated sediment in service connection pipes or conveyances, except when these are caused by the discharge of prohibited materials, up to a maximum of two (2) such blockages per year per premise after which service charges shall be levied to the premise owner or occupant; and
- 8.11.3.2 thawing frozen water service connection lines up to a maximum of two (2) times per premise after which service charges shall be levied to the premise owner or occupant;

between the outer wall of the building and the public mains.

- 8.11.4 The owner or occupant of premises serviced by water shall, when notified by the City, keep a water tap running at low flow twenty-four (24) hours a day until the danger of freezing is past when the City shall issue a written notice to all premises affected to cease such continuous water flow. A rebate shall be provided to such premises during the period of notice as set out in the Water and Wastewater Rates Bylaw. No owner or occupant of any premise who runs water continuously without first notifying the City, shall be eligible for the aforementioned rebate.

- 8.11.5 Notwithstanding the provisions of Article 8.11.4:

- 8.11.5.1 if the water service connections to a premise experience repeated freezing in excess of two (2) times per year; or
- 8.11.5.2 if the wastewater service connection freezes more than once;

the City may, at its discretion, require the premise owner at his own cost, to lower the service connections to a satisfactory depth or sufficiently insulate them or install an electric powered thaw wire to protect them against further freezing.

It shall be a condition of continued supply of water to the premises that the power supply be provided without cost to the City.

8.12 **Termination:**

- 8.12.1 When a water or wastewater service connection is no longer required due to:

- 8.12.1.1 the demolition or removal of a building or structure from a serviced premise; or
- 8.12.1.2 where water or wastewater services to any premise have been discontinued for a period in excess of three (3) months or repeatedly discontinued;

such services shall be disconnected at the public mains at the cost of the owner of the premise affected after he makes applications on the form designated Schedules 'A' and 'B' herein. No demolition or moving permit shall be issued until the applications for termination and service connection have been approved and permits issued by the City Engineer.

Such termination may be delayed if weather and ground conditions so warrant as authorized by the City Engineer.

- 8.12.2 The applications shall be accompanied by a deposit amount equal to the estimated cost of terminating the water or wastewater service connections at the public mains, blocking public mains and the completion of all surface restoration. The aforementioned work shall be carried out by no person other than authorized employees of the City or a Contractor licensed to do such work under the supervision of the City Engineer.
- 8.12.3 In the event that a premise owner fails to make application for termination of service connection within sixty (60) days after service of notice by the City, the City Engineer is hereby authorized to have the work carried out and the costs thereof charged to the premise owner.
- 8.12.4 Notwithstanding any provision herein, the termination of service connections to a premise may be deferred:
 - 8.12.4.1 for a period not in excess of twelve (12) months from the date of notice or approval of application to allow an applicant to reconnect a building or structure to such service connections provided that the said connections are sufficient in size, capacity, material and condition;
 - 8.12.4.2 the City shall refund the deposit amount if a building permit is issued within the twelve (12) month period;
 - 8.12.4.3 upon expiry of the deferment period the City Engineer shall terminate the said connections and the deposit shall be retained by the City as revenue.
- 8.12.5 Notwithstanding any provision contained herein, in the event that the service connections leak, break or exhibit excessive infiltration into a public sewer main, the City Engineer shall retire the service connections forthwith, notify the applicant of such action and the deposit shall be retained by the City as revenue.

9. **PRIVATE WATER AND WASTEWATER SYSTEMS**

- 9.1 No person shall interconnect any private water system with the public water supply.
- 9.2 No person shall construct, operate or use any type of private system of treating or disposing wastewater in the City except:
 - 9.2.1 a holding tank for storage of wastewater hauled away for disposal;
 - 9.2.2 a pump-out tank for storage and pumped into the sanitary sewage system or hauled away for disposal;
 - 9.2.3 a mechanical treatment facility to render the characteristics of wastewater discharged by a premise into the public wastewater system, in conformance with this bylaw;
 - 9.2.4 flow equalization tanks, reservoirs or detention ponds to reduce highly variable sanitary sewage flows or storm run-off. Open tanks or reservoirs to store sanitary sewage shall not be constructed outdoors on any premise.
- 9.3 All private water and wastewater systems shall be constructed and operated in conformance with permits and approvals from federal or provincial authorities having jurisdiction. The owner of a premise whereupon a private water or wastewater system is located shall submit to the City a proof of compliance with the requirements of other authorities having jurisdiction prior to the commencement of construction or operation or continued operation of such works.

10. RATES, BILLING AND CUSTOMER ACCOUNTS

- 10.1 The City shall, from time to time, set rates for the supply of water and wastewater utility services provided by the City.
- 10.2 The rates for water and wastewater shall be set by bylaw and such bylaw shall be known and cited as the “**Waterworks, Sanitary Sewerage and Storm Drainage Rates Bylaw**” also herein referred to as the “**Water and Wastewater Rates Bylaw**”.
- 10.3 All persons supplied with water or wastewater services shall pay the rates and service charges set out in the Water and Wastewater Rates Bylaw applicable to such services.
- 10.4 All rates shall be paid to the City at the office of the City Treasurer within thirty (30) days of the date of issuance of an invoice or billing for the service.
- 10.5 Where an invoice for water and wastewater utility services provided by the City is not paid within thirty (30) days of the date of issuance, the City shall charge the person to whom the invoice was issued interest on the amount due from time to time commencing thirty (30) days after the invoice date to date of payment at a rate of interest per annum as set out in the Water and Wastewater Rates Bylaw or discontinue the supply of water.
- 10.6 Account deposits set out in the Water and Wastewater Rates Bylaw shall be held by the City as security for payment of utility service accounts, damage to any meters or appliances owned by the City in any premise supplied with water or wastewater services and shall be returned to the customer, without interest, upon discontinuance or termination of water or wastewater services, provided that all accounts owing to the City by the customer are paid.
- 10.7 The City may cause water or wastewater services to be terminated to any premise where the owner has an overdue account with the City. Such services shall only be resumed upon payment of arrears together with any applicable reconnection charges, service charges and permit fees. When discontinued by reason of an overdue account, if services are requested after normal working hours, it shall be done so only upon proof of payment of arrears and evidence of the customer’s agreement to pay charges related to a corresponding work order.
- 10.8 Where a cheque tendered by a customer in payment for a utility service invoice issued by the City, is returned by a financial institution for any reason, a handling charge shall be assessed by the City against the customer which charge shall be added to and form part of the utility billing.
- 10.9 Where a meter has been tampered with or a seal broken, water services may be discontinued to the premises until such time as the owner of such premise makes payment of service charges in respect of reapplying the seal, repairing the meter and placing it back into operation.
- 10.10 Water service may be discontinued to any premises where the customer fails to comply with the terms and conditions under which water or wastewater services are supplied, or to comply with the provisions of the bylaw or failed to report damage to a water meter, pipes or other property of the City.
- 10.11 The City Engineer and City Treasurer shall cause all water meters to be read on a cycle basis once every two (2) months and the recorded use of water incorporated into billings for utility services for every account billed.
- 10.12 For billing purposes, the recorded use of water in cubic meters, measured according to the accuracy of the particular style of meter shall be used to calculate the volume of water consumed and the volume charge thereof.

- 10.13 For billing purposes, the recorded use of water in Article 10.12 herein shall be used to calculate the volume charge for sanitary sewer use less any exemptions.
- 10.14 For billing purposes, the size of meter used to record the use of water shall be used to calculate the minimum charge every billing cycle for water, sanitary sewer, service connection maintenance charge and account deposits.
- 10.15 For billing purposes, charges and rates to all customers outside City limits shall be subject to a surcharge as provided for herein and in the Water and Wastewater Rates Bylaw.
- 10.16 All high strength sanitary sewage shall be subject to a surcharge calculated as provided for herein and in the Water and Wastewater Rates Bylaw.
- 10.17 For billing purposes, a water or wastewater main replacement levy shall be added as a surcharge to the billing to benefiting customers, when such replacement is deemed necessary by the City and a majority of such benefiting customers have expressed opposition to the construction or their apportioned share of the costs of such replacement. Water and wastewater main replacement levy surcharges shall be applied per billing period as provided for in the Water and Wastewater Rates Bylaw.
- 10.18 For billing purposes, storm drainage charges shall be included in the billing as provided for herein and in the Water and Wastewater Rates Bylaw.
- 10.19 For billing purposes, charges for occasional water use, as authorized by the City Engineer, shall comprise of a volume charge based upon the recorded amount of water used plus a service initiation fee. Where such water is discharged into the public wastewater system or the premise is connected to the public wastewater system, a volume charge for sanitary sewer use based upon the recorded use of water shall be added to the billing.
- 10.20 All charges and rates for water and wastewater services pursuant to this bylaw shall be added to and form part of the water service account of the customer and shall be enforceable in the manner provided in the Water and Wastewater Rates Bylaw and the Urban Municipality Act.

11. **OFFENCES**

- 11.1 No person shall:
 - 11.1.1 cause or allow the breaking of any seal placed by the City on any water meter, pipe, valve or other fixture of the water system;
 - 11.1.2 upon discovering or knowing of a broken seal, fail to notify the City immediately;
 - 11.1.3 being a customer or owner of premises receiving water or wastewater service, fail to maintain in good working condition all service pipes, isolating valves and any other fixtures of the water and wastewater system on the premises;
 - 11.1.4 being a customer or owner of premises receiving water and wastewater service, fail, upon being notified by the City of any disrepair or faulty condition of a water or wastewater pipe, isolating valves or other fixtures of the water or wastewater system on the premises, to remedy the disrepair or faulty condition;
 - 11.1.5 cause or allow the removal of ground cover above any water pipe so that the water pipe is less than 2.4 meters beneath the surface of the ground;

- 11.1.6 being a customer or owner of premises having a separate service pipe installed for fire-protection purposes only, use water supplied through that pipe for any purpose other than the protection of the premises from fire;
- 11.1.7 construct or cause to be constructed any connection to a water main except in accordance with this bylaw;
- 11.1.8 alter or remove or cause the alteration or removal of any water or wastewater installation or equipment belonging to the City that requires the permission of the City without that requisite permission;
- 11.1.9 install or cause the installation of a pump to increase or boost water pressure on a water service pipe without the permission of the City;
- 11.1.10 discharge or cause to be discharged any liquid, solid or gas into a fixture, building drain, sanitary or storm sewer connection or any part of the wastewater system; not permitted to be so discharged or in breach of a permit to discharge wastewater pursuant to this bylaw;
- 11.1.12 falsify or provide false information required to be submitted pursuant to this bylaw;
- 11.1.13 withhold reporting the discharge of a prohibited substance in the wastewater system;
- 11.1.14 enter without permission the City's:
 - .1) Water Treatment Plant;
 - .2) Water Reservoir;
 - .3) Wastewater Treatment Plant;
 - .4) Sewage Lagoons.

12. **ENFORCEMENT**

- 12.1 The City Engineer, where he has reasonable grounds to believe that a person is in breach of this bylaw or an agreement made pursuant to this bylaw, may declare such to be a fact and notify the person of such, in writing.
- 12.2 Where a person is declared to be in breach of this bylaw or an agreement made pursuant to this bylaw and such person is notified to such effect in writing as provided for herein, the City may discontinue water or wastewater serviced provided under this bylaw until the breach is remedied or the person complies with the terms and conditions of the agreement or the conditions of service.
- 12.3 Where a person to whom water or wastewater serviced is supplied is the owner of the land or building to which the water or wastewater serviced is supplied, the sum payable by him for serviced and all rates and costs imposed by this bylaw shall constitute a lien on the land and building and a charge on the goods and chattels of the person.
- 12.4 If a person refuses or neglects to do anything required to be done by him hereunder, the same may be done by the City at the expense of the person in default for which the City shall render to such person an invoice for services.
- 12.5 Any amount payable to the City for water or wastewater services that remains unpaid on December 31 of the year in which the sum becomes payable shall be added to and form part of the taxes on the land and buildings in respect of which the services are provided.

13. **VOLUNTARY PENALTY**

- 13.1 Where a member of a police serviced or City Manager or City Engineer has reasonable grounds to believe a person has contravened any provision of this bylaw, he may issued a Bylaw Violations Notice in the form set out in Schedule 'G' stating a penalty in the amount provided for in the schedule annexed hereto as Schedule 'F' that will be accepted by the City in lieu of prosecution.
- 13.2 Where the person to whom a Bylaw Violations Notice has been served pays the amount of penalty set out therein to the City at the office of the City Treasurer within 15 days of the date of serviced, such person shall not be liable for prosecution in respect of the contravention specified in the Bylaw Violations Notice.

14. **PENALTY**

- 14.1 Any person who contravenes, neglects, omits or fails to comply with any provision of this bylaw is guilty of an offense and liable on summary conviction, to a fine not exceeding Two Thousand (\$2,000.00) Dollars for individuals, Five Thousand (\$5,000.00) Dollars for corporations and in default of payment of the fine, to imprisonment for a term not exceeding sixty (60) days or to both a fine and imprisonment.
- 14.2 Where the contravention, refusal, neglect, omission or failure to comply continues for more than one (1) day, the person is guilty of a separate offense for each day that it continues.
- 14.3 The payment of the fines and penalties shall not relieve the person from compliance with this bylaw and shall not relieve the person from the payment of any rates, charges, expenses otherwise payable or from the discontinuance of services herein provided for.

15. **SEVERABILITY**

- 15.1 If a court of competent jurisdiction should declare any article or portion thereof of this bylaw to be invalid or inapplicable to any person or circumstances, such article or portion shall not be construed as having any effect upon or impair the remainder of this bylaw and it is hereby declared that the remainder of the bylaw shall be valid and remain in force and effect.

16. **SCHEDULES**

- 16.1 Schedules 'A', 'B', 'C', 'D', 'E', 'F', 'G' and 'H' hereto annexed as so marked form an integral part of this bylaw and any reference to a specific schedule shall mean a reference to the schedule so marked.

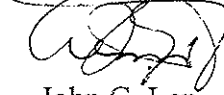
17. **FORMER BYLAW REPEALED**

- 17.1 Bylaw No. 89-1277 of the City of Estevan, Saskatchewan and all amendments thereto are hereby repealed.

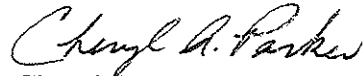
18. **EFFECTIVE DATE**

18.1 This bylaw shall come into force and effect upon the final passing thereof and after approval is given by the Minister as defined by The Public Health Act.

CITY OF ESTEVAN



John G. Len
MAYOR



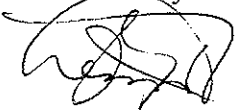
Cheryl A. Parker,
ACTING CITY MANAGER

Read a first time this 8th day of July, 1996

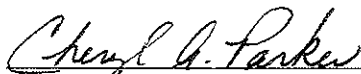
Read a second time this 8th day of July, 1996

Read a third and final time as amended by the Public Health Officer,
and City Engineer, approved and adopted for use by the City of
Estevan this 12th day of August, 1996.

This is the original document known as Bylaw 96-1498 which was
given three readings as shown in Council Motions 96-398, 96-402 and 96-483
and is hereby annexed to the Council Meeting Minutes.



John G. Len, Mayor



Cheryl A. Parker, Acting City Manager

SCHEDULE "A" to BYLAW 96-1498

CITY OF ESTEVAN
ENGINEERING & PUBLIC WORKS DEPARTMENT

APPLICATION FOR SUPPLY OF MUNICIPAL UTILITY SERVICES

APPLICANT'S NAME: _____
(Property Owner)

APPLICANT'S NAME: _____
(Tenant or Authorized Agent)

- ☐ City Customer
☐ Rural Customer
☐ Leased ☐ Owned

SERVICE ADDRESS: _____ Lot _____ Block _____ Plan _____

MAILING ADDRESS: _____

TELEPHONE NUMBER: Property Owner - Residence (____) _____ - _____ Business (____) _____ - _____
 Tenant or Authorized Agent - Residence (____) _____ - _____ Business (____) _____ - _____

PREMISE TYPE: ☐ Residential No. of Residential Units _____
 ☐ Commercial ☐ Industrial ☐ Institutional

NOTE: If Non-Residential, please attach list of individual business units, floor area, number of employees

MUNICIPAL UTILITY SERVICES :

- ☐ WATERWORKS ☐ SANITARY SEWERAGE ☒ STORM DRAINAGE (Within City Limits)
☐ BUILDING SERVICE CONNECTIONS ☐ OTHER (Within City Limits) Specify _____

SERVICE INITIATION DATE: ____/____/____ (D/M/Y)

SERVICE CANCELLATION DATE: ____/____/____ (D/M/Y)

Application is hereby made to the City of Estevan to supply the municipal utility services, noted in this application, at the service address above.
In consideration of the acceptance of this application for municipal utility services, the applicant hereby agrees to release, indemnify and save harmless the City, its officials, employees and agents from all claims for damages suffered by the applicant or any third parties arising from the provision or consumption of such municipal utility services by reason of interruptions, failures, inadequacy, variations or excessive pressures, supply volumes, purity of supply, sewage or storm water backup or overflow except as provided for in the Bylaws of the City of Estevan and also agrees to abide by the terms and conditions under which such municipal utility services are supplied pursuant to the Bylaws, Standards and Policies of the City of Estevan. The Applicant hereby agrees to pay any service charges, penalties and cost of repairs as a result of tampering or damage to fittings, appliances and meters due to any cause pursuant to such Bylaws, Standards and Policies.

Dated this _____ day of _____, _____

(Applicants Signature)

FOR OFFICE USE ONLY	
Application Approval Date: _____ (D/M/Y)	
Application Approved By: _____	☐ Application Approved ☐ Application Withheld
Reason If Application Withheld: _____	
Terms & Conditions of Approval: _____	
Water Meter Size: _____" (_____ mm)	Water Service Size: _____" (_____ mm)
Sanitary Sewer Size: _____" (_____ mm)	
Backflow Preventer Required: ☐ Yes ☐ No	Weeping Tile Size: _____" (_____ mm) or Sump ☐
Receipt Number: _____	_____ (City Engineer)

CITY OF ESTEVAN
ENGINEERING & PUBLIC WORKS DEPARTMENT

Please complete the following: (will be used in determining water service size, water meter size and sanitary sewer size)

CALCULATED WATER METER SIZE: _____" (_____mm)
REQUESTED WATER METER SIZE: _____" (_____mm)

CONSUMPTIVE WATER SERVICE SIZE: _____" (_____mm)
FIRE SERVICE SIZE: _____" (_____mm)

Water used for On-site Fire Service: ☐ None
☐ Wet Sprinkler
☐ Sprinklered Chemical Agent
☐ On-site Hydrants

COMBINED WATER SERVICE SIZE: _____" (_____mm)

CITY OF ESTEVAN
ENGINEERING & PUBLIC WORKS DEPARTMENT

APPLICATION & PERMIT FOR WATER & WASTEWATER CONSTRUCTION

- ☐ Connection
☐ Disconnection
☐ Termination

PERMIT No. _____
RECEIPT No. _____

APPLICANT'S NAME: _____ Application Date: ____/____/____ (D/M/Y)
(Property Owner)

APPLICANT'S NAME: _____ ☐ City Customer ☐ Rural Customer
(Tenant or Authorized Agent)

SERVICE ADDRESS: _____ Lot _____ Block _____ Plan _____

MAILING ADDRESS: _____

TELEPHONE NUMBER: Property Owner -Residence (____) _____ - _____ Business (____) _____ - _____
 Tenant or Authorized Agent - Residence (____) _____ - _____ Business (____) _____ - _____

Premise Type: ☐ Residential ☐ Commercial ☐ Industrial ☐ Institutional

Description of Work: _____

The Applicant hereby agrees to be bound by the Bylaws, Standards and Policies of the City of Estevan governing excavation in or under city streets, and to such conditions, restrictions and regulations as may be imposed by the City Engineer, and hereby submit the required application fee together with any other required fees or deposits.
The signature presented below shall certify that, to the best knowledge and beliefs of the Applicant, or duly authorized Agent, the information furnished in this application is true, complete and accurate.
The Applicant is hereby authorized to make an excavation, to install, connect, repair, replace, upgrade, disconnect, terminate, remove the water and/or sewer service requested, in or under the above named street at the location designated, provided, however, all work is performed in accordance with the Applicant's plans, the City of Estevan's Bylaws, Standards and Policies governing street excavation and installation of said service(s), and the following special conditions. All openings in pavement and concrete shall be precut.

BACKFILL SHALL BE:

- ☐ CLASS I (Compacted Gravel Mtl.) ☐ CLASS II (Compacted Native Mtl.)
☐ CLASS III (Approved Excavated Mtl.) ☐ CLASS IV (Non-shrink Backfill)

SURFACE RESTORATION SHALL BE:

- ☐ Class I Asphalt Pavement for Arterial & Collector Roads (75mm asphalt; 150mm base; 200mm subbase)
☐ Class II Asphalt Pavement for Residential Roads & Backlanes (50mm asphalt; 200mm base)
☐ Class III Gravel Surface (150mm base)
☐ Class IV Winter Restoration for Arterial and Collector (temporary 150mm Non-shrink Backfill)

Permanent Restoration to be: Class I, Class II, Class III

- ☐ Class V Winter Restoration for other streets (temporary 300mm base)
Permanent Restoration to be: Class I, Class II, Class III

NOTE: Class IV and V restoration to be reconstructed in Spring when frost is out of ground

- ☐ Class VI Boulevard - Sod (100mm topsoil and sod)
☐ Class VII Boulevard - Seed (100mm topsoil and seed)
☐ Concrete Curb - ☐ Barrier Curb, ☐ Curb & Gutter, ☐ Rolled Curb, ☐ Other _____; Length Removed: _____
☐ Concrete Sidewalk - ☐ Separate, ☐ Monowalk & Curb & Gutter, ☐ Monowalk & Barrier Curb
 ☐ Monowalk & Rolled Curb & Gutter, ☐ Other _____; Length Removed: _____
☐ Concrete Para-Ramp; Area Removed: _____

TERMS & CONDITIONS: _____

(Applicant's Signature)

Approval _____
(City Engineer)

SCHEDULE "B" to BYLAW 96-1498

CITY OF ESTEVAN
ENGINEERING & PUBLIC WORKS DEPARTMENT

PERMIT TO CONSTRUCT WATER & SEWER CONNECTIONS

CONTRACTOR: _____ Road Closure Permit Number: _____
Performance Bond Number: _____

DATE OF PROPOSED INSTALLATION: ____/____/_____(D/M/Y) at _____ AM/PM

ESTIMATED INSTALLATION TIME: _____

PROPOSED WORK:

- ☐ Connection of Services:
- ☐ Pre-serviced Lot
- ☐ Existing Lot
- ☐ Other _____
- ☐ Service Repair / Replace:
- ☐ Water Service (Main-P.L.)
- ☐ Water Service (P.L.-Bldg)
- ☐ Curb Stop
- ☐ Curb Stop Box
- ☐ Corporation Stop
- ☐ Sewer Service (Main-P.L.)
- ☐ Sewer Service (P.L.-Bldg)
- ☐ Connection at Main
- ☐ Watermain:
- ☐ Repair
- ☐ Upgrade
- ☐ New Installation
- ☐ Other _____
- ☐ Valve:
- ☐ Replace
- ☐ Repair
- ☐ Fitting:
- ☐ Replace
- ☐ Repair
- ☐ Hydrant:
- ☐ Replace
- ☐ Repair
- ☐ Sanitary Sewer:
- ☐ Repair
- ☐ Upgrade
- ☐ New Installation
- ☐ Other _____
- ☐ Storm Sewer:
- ☐ Repair
- ☐ Upgrade
- ☐ New Installation
- ☐ Other _____
- ☐ Culvert
- ☐ Surface Drainage
- ☐ Manhole:
- ☐ Repair
- ☐ Upgrade
- ☐ New Installation
- ☐ Other _____
- ☐ Catchbasin:
- ☐ Repair
- ☐ Upgrade
- ☐ New Installation
- ☐ Other _____
- ☐ Other (describe)
-
-

(Applicant)

____/____/_____(D/M/Y)
(Date of Application)

APPLICATION APPROVED: (subject to the Terms & Conditions noted below)

(For City Engineer)

____/____/_____(D/M/Y)
(Date of Approval)

TERMS & CONDITIONS:

A Final Inspection was conducted on ____/____/_____(D/M/Y) and the Work was in Accordance with the Bylaws, Standards and Policies of the City of Estevan.

Work Approved:

(City Engineer)

(For Contractor)

CITY OF ESTEVAN
ENGINEERING & PUBLIC WORKS DEPARTMENT

APPLICATION FOR A WASTEWATER DISCHARGE LICENSE

APPLICANT'S NAME: _____

SERVICE ADDRESS: _____

MAILING ADDRESS: _____
(If different than Service Address)

TELEPHONE NUMBER: Residence (____) _____ - _____ Business (____) _____ - _____

DATE: ____ / ____ / ____ (D/M/Y) APPLICANT'S SIGNATURE: _____

The signature presented above shall certify that the information in this application is true, complete and accurate.

CATEGORY OF LICENSE APPLIED FOR:

- ☐ Holding Tank: ☐ hauled to WWTP ☐ hauled elsewhere (please indicate location) _____
☐ Trailer Dump Station: ☐ to sanitary sewer ☐ hauled to WWTP ☐ hauled elsewhere (location) _____
☐ High Strength Sewage: ☐ to sanitary sewer ☐ hauled to WWTP ☐ hauled elsewhere (location) _____
☐ Storm Drainage

GENERAL INFORMATION

1. Type of Business and Occupancy: _____
2. Raw Materials Used: _____
3. Number of Employees or Occupants: _____
4. Hours of Operation: 1st Shift _____ to _____; 2nd Shift _____ to _____; 3rd Shift _____ to _____
5. Days of Operation: (circle) Monday Tuesday Wednesday Thursday Friday Saturday Sunday
6. Estimated Water Usage:
 • City Water: _____ (cubic meters / day)
 • Private Well: _____ (cubic meters / day)
7. Size of Facility:
 • Office: _____ (square meters)
 • Warehouse _____ (square meters)
 • Processing or Manufacturing _____ (square meters)
 • Holding Tank _____ (cubic meters)
8. Estimated Wastewater Discharge:
 • Domestic Wastewater (toilets, sinks, etc.) _____ (cubic meters / day)
 • Process Wastewater _____ (cubic meters / day)
 • _____ (cubic meters / hour) For _____ Hours
 • Cooling Water _____ (cubic meters / day)
Current Method of Wastewater Disposal:
☐ City's Sanitary Sewerage System Directly
☐ Private Treatment System ☐ Discharge to Public Sewer ☐ Elsewhere _____
☐ Septic Tank ☐ Field Discharge
☐ Holding Tank ☐ Hauled to WWTP ☐ Elsewhere _____
☐ Storm Drainage Inlet to Public Storm Sewer
☐ Surface Discharge
☐ On-Site Detention
10. Do you presently treat your wastewater before discharge? Yes No
11. If Yes, describe your Private Treatment Facility (provide drawings, reports, manufacturer's literature, etc., if available)

SCHEDULE "C" to BYLAW 96-1498

CITY OF ESTEVAN
ENGINEERING & PUBLIC WORKS DEPARTMENT

12. Is the process wastewater, ☐ batch or ☐ continuous ?
13. Analysis of Applicant's Proposed Discharge (see BYLAW 96-1498 for details on sampling and testing)
The Applicant must present the results of analyses for ALL parameters listed in Group A and for those parameters, listed in Group B, that are known or anticipated to be present in the proposed wastewater discharge. At his discretion, the City Engineer may request additional information concerning those parameters listed in Group B whose results have not been presented below.)

Group A	Average Concentration
BOD5	_____ mg/L
COD	_____ mg/L
Total Suspended Solids	_____ mg/L
Oil and Grease (animal & vegetable)	_____ mg/L
Color (indicate general appearance)	_____
pH	_____
Temperature	_____ ° C
Group B	
Aluminum	_____ mg/L
Arsenic	_____ mg/L
Boron	_____ mg/L
Cadmium	_____ mg/L
Chlorides	_____ mg/L
Chromium Total	_____ mg/L
Copper	_____ mg/L
Cyanide	_____ mg/L
Lead	_____ mg/L
Mercury	_____ mg/L
Nickel	_____ mg/L
Nitrogen - Total Kjeldahl	_____ mg/L
Oil and Grease (mineral & synthetic)	_____ mg/L
Phenol	_____ mg/L
Sulfates	_____ mg/L
Zinc	_____ mg/L
OTHERS: (please list)	
_____	_____ mg/L
_____	_____ mg/L
_____	_____ mg/L
_____	_____ mg/L
_____	_____ mg/L

Provide the name and address of the testing laboratory and attach a certified copy of the full analyses report.

Name of Firm _____
Address _____
Telephone No. () _____ - _____
Date Sample Taken / / (D/M/Y)

16. Attach a plot plan of the applicant's property indicating the location of the structure, existing and proposed treatment facilities for wastewater discharges, any drainage lines discharging into the domestic facilities, etc.
17. If application is being made for storm water drainage, please provide the following details:
Total parcel area: _____ square meters
Total Impervious Area: _____ square meters
(include building's total roof area, hard surfaced areas, etc. where water will flow over surface)

CITY OF ESTEVAN
ENGINEERING & PUBLIC WORKS DEPARTMENT

Application Approval Date: ____/____/____ (D/M/Y)

Application Approved By: _____ ☐ Application Approved ☐ Application Withheld

Reason If Application Withheld: _____

Terms & Conditions of Approval:

FORM DRAINAGE

Application Approved By: _____ ☐ Application Approved ☐ Application Withheld

Reason If Application Withheld: _____

Terms & Conditions of Approval:

<u>Parameter</u>	<u>Discharge Limitations</u>
Maximum Storm Discharge into Public Storm Drainage System	_____ (litres / second)
Maximum Storm Discharge Overland into Public Storm Drainage System	_____ (litres / second)

SCHEDULE "D" to BYLAW 96-1498
CITY OF ESTEVAN
ENGINEERING and PUBLIC WORKS DEPARTMENT

APPLICATION & LICENSE FOR REGISTRATION OF CROSS CONNECTION SPECIALIST

APPLICANT'S NAME: _____

COMPANY EMPLOYED FOR: _____

MAILING ADDRESS: _____

TELEPHONE NUMBER: _____ () _____ - _____ () _____ - _____

CURRENT CITY OF ESTEVAN BUSINESS LICENSE No. : _____

PLEASE PROVIDE TRADE AND CERTIFICATION OF TESTER:

TRADE: _____

CERTIFICATION: _____

PLEASE PROVIDE THE FOLLOWING DETAILS:

DIFFERENTIAL TEST KIT

DATE LAST CALIBRATED: ____ / ____ / ____ (M/D/Y)

MAKE: _____ MODEL: _____ SERIAL No. _____

DUPLEX GUAGE:

MAKE: _____ MODEL: _____ SERIAL No. _____

PRESSURE GUAGE:

MAKE: _____ MODEL: _____ SERIAL No. _____

Specialists wishing to be registered with the Engineering & Public Works Department as being qualified to test Cross Connection Devices, are requested to complete and return this form to: City of Estevan, Engineering Department, 1102 Fourth Street, Estevan, SK., S4A 0W7

The list of certified specialists will be distributed to the Owners of the Cross Connection Devices along with the notice for the initial or annual testing of the devices under the requirements of The City of Estevan's Bylaws, Policies and Standards.

Testing equipment must be calibrated when purchased and annually thereafter.

Please include a photocopy of your AWWA Western Canada Section Cross Connection Control Tester Certification.

DATE: ____ / ____ / ____ (M/D/Y) APPLICANT'S SIGNATURE: _____

FOR OFFICE USE ONLY

☐ APPLICATION APPROVED

☐ APPLICATION WITHHELD

COMMENTS: _____

APPROVAL DATE: ____ / ____ / ____ (M/D/Y)

APPROVED BY: _____

BYLAW 96-1498

SCHEDULE "E"

HIGH STRENGTH SEWAGE SURCHARGE

High strength sewage surcharge (HSSS) shall be calculated as follows:

$$\text{HSSS in cents per m}^3 = [X B m_B + Y S M_S + Z g m_a + K (\text{OS}) m_{os}]$$

where:

X	=	factor for reducing BOD to 300 mg/L
Y	=	factor for reducing TSS to 300 mg/L
Z	=	factor for reducing oils and greases to 100 mg/L
K	=	factor for reducing any inhibitory concentration to treatable concentrations
B	=	BOD in mg/L in the wastewater (minimum = 300 mg/L)
S	=	TSS in mg/L in the wastewater (minimum = 300 mg/L)
G	=	Oils/greases in mg/L in the wastewater (minimum = 100 mg/L)
OS	=	substance requiring additional treatment in mg/L in the wastewater (minimum = OS)
M_B	=	$\frac{B + 200}{200}$
M_S	=	$\frac{S + 200}{200}$
M_G	=	$\frac{3G + 100}{100}$
M_{OS}	=	as determined by City Engineer

BYLAW 96-1498

SCHEDULE "F"

1. (Voluntary Penalty payment in lieu of prosecution for a specific offense.)

Article 11 - OFFENSES

- | | |
|---|----------|
| 11.1.1 Cause or allow the breaking of any seal placed by the City on any water meter, pipe, valve or other fixture of the water system; | \$ 50.00 |
| 11.1.2 Upon discovering or knowing of a broken seal, fail to notify the City immediately; | \$ 50.00 |
| 11.1.3 Being a customer or owner of premises receiving water or wastewater service, fail to maintain in good working condition all service pipes, isolating valves and any other fixtures of the water and wastewater system on the premises; | \$ 50.00 |
| 11.1.4 Being a customer or owner of premises receiving water and wastewater service, fail, upon being notified by the City of any disrepair or faulty condition of a water or wastewater pipe, isolating valves or other fixtures of the water or wastewater system on the premises, to remedy the disrepair or faulty condition; | \$ 50.00 |
| 11.1.5 Cause or allow the removal of ground cover above any water pipe so that the water pipe is less than 2.4 meters beneath the surface of the ground; | \$100.00 |
| 11.1.6 Being a customer or owner of premises having a separate service pipe installed for fire-protection purposes only, use water supplied through that pipe for any purpose other than the protection of the premises from fire; | \$100.00 |
| 11.1.7 Construct or cause to be constructed any connection to a water main except in accordance with this bylaw; | \$100.00 |
| 11.1.8 Alter or remove or cause the alteration or removal of any water or wastewater installation or equipment belonging to the City that requires the permission of the City without that requisite permission; | \$100.00 |
| 11.1.9 Install or cause the installation of a pump to increase or boost water pressure on a water service pipe without the permission of the City; | \$100.00 |

- | | | |
|---------|--|----------|
| 11.1.10 | Discharge or cause to be discharged any liquid, solid or gas into a fixture, building drain, sanitary or storm sewer connection or any part of the wastewater system; not permitted to be so discharged or in breach of a permit to discharge wastewater pursuant to this bylaw; | \$100.00 |
| 11.1.11 | Falsify or provide false information required to be submitted pursuant to this bylaw; | \$200.00 |
| 11.1.12 | Withhold reporting the discharge of a prohibited substance in the wastewater system; | \$ 50.00 |
| 11.1.13 | Enter without permission the City's: | \$ 50.00 |
| | .1) Water Treatment Plant; | |
| | .2) Water Reservoir; | |
| | .3) Wastewater Treatment Plant; | |
| | .4) Sewage Lagoons. | |

2. Voluntary Penalties for the third and each subsequent contravention in any twelve (12) month period shall be doubled.

BYLAW 96-1498

SCHEDULE "G"

BYLAW VIOLATION NOTICE OF BYLAW 96-1498

CITY OF ESTEVAN

VOLUNTARY PAYMENT OF FINE

Details of Violation

Name of Owner/Occupant: _____

Address of Owner/Occupant: _____

On the _____ day of _____, 19____ at Estevan, Saskatchewan at _____ did unlawfully commit the following offense under the City of Estevan Water and Wastewater Bylaw 96-1498, Sec. No. _____, Subsection _____.

Description of Offense: _____

Location of Violation: _____

Please Pay as Indicated:

_____	First Offense
_____	Third or Subsequent Offense within
twelve	(12) months of the first offense

Issued By: _____

Date of Issue: _____

The Voluntary penalty may be paid at the office of the City Treasurer, City Hall, 1102 Fourth Street, Estevan, Saskatchewan, between 8:00 a.m. and 4:30 p.m., Monday through Friday.

Voluntary Payment of the fine within fifteen (15) days after serviced of this Bylaw Violation Notice upon the owner/occupant results in the owner/occupant not being liable for prosecution for the offense.

Failure to remit the fine within fifteen (15) days after serviced of this Notice of Violation may result in issuance of a Summons.

SCHEDULE "H" to BYLAW 96-1498

CITY OF ESTEVAN
ENGINEERING & PUBLIC WORKS DEPARTMENT

APPLICATION FOR WATER AND WASTEWATER CONTRACTORS LICENSE

APPLICANT'S NAME: _____

CONTRACTOR: _____

MAILING ADDRESS: _____

TELEPHONE NUMBER: _____ (____) _____ - _____ (____) _____ - _____

WORK EXPERIENCE (Past 5 years)

I hereby agree to the following:

- furnish a certificate of qualification or evidence of a minimum of five (5) years experience
- post a performance deposit in the amount of _____ (\$ _____)
- provide a current copy of a liability insurance certificate naming the City of Estevan as an insured party against accidents, suits and claims for damages of whatsoever nature arising from the contractor's work carried out under permit in the amount of _____ (\$ _____)
- replace and restore all streets, easements, lanes or rights-of-way in a manner satisfactory to the City or forfeit the performance deposit and license
- to repair or pay such costs in respect of other utilities or forfeit the performance deposit and license
- provide sufficient notification, in advance of covering any work, for inspections and approval by the City Engineer
- to carry out any work on public streets in a manner causing the least inconvenience to the public, without obstructing the passage of water in the gutters or ditches, post signs and barricades by day and beacons by night
- conform, in every respect, to City bylaws and the Government of Saskatchewan in respect of approvals, permits, inspections and street closure
- to guarantee all work free from defects in material and workmanship for one (1) year from the date of final approval of such work by the City Engineer

DATE: ____ / ____ / ____

APPLICANT'S SIGNATURE: _____

FOR OFFICE USE ONLY

☐ APPLICATION APPROVED

☐ APPLICATION WITHHELD

COMMENTS: _____

APPROVAL DATE: ____ / ____ / ____ (M/D/Y)

APPROVED BY: _____