



Bylaw No. 18-06  
Water Utility Bylaw



**BYLAW NO. 18-06  
OF THE TOWN OF STRATHMORE  
IN THE PROVINCE OF ALBERTA**

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**BEING A BYLAW OF THE TOWN OF STRATHMORE FOR THE  
REGULATION, SUPPLY AND MANAGEMENT OF THE TOWN WATER  
UTILITY**

**WHEREAS** the *Municipal Government Act, R.S.A. 2000, c. M-26*, as amended, provides that Council may pass bylaws for municipal purposes, including public utilities, services provided by or on behalf of the Town, and the enforcement of bylaws including the creation of offences and penalties;

**AND WHEREAS** Part 3 Division 3 of the Act pertains to Public Utilities;

**AND WHEREAS** Council wishes to establish a level of service that enables assessing a fair and objective fee structure for the provision of Town Water Service;

**AND WHEREAS** Council wishes to reduce the risk of damage to the Town Water System and avoid contaminating the Town Water Service;

**AND WHEREAS** to avoid contaminating the drinking water supplied to by the Town it is essential to eliminate potential sources of cross connections, eliminate cross connections as far as possible and require backflow prevention devices;

**AND WHEREAS** Council wishes to conserve water and limit unnecessary water consumption;

**NOW THEREFORE** the Council of the Town of Strathmore, in the Province of Alberta, duly assembled, hereby repeals Bylaw No. 12-07 and all amendments thereto and enacts as follows:

**PART 1 – TITLE**

- 1.1 This Bylaw may be cited as the “Water Utility Bylaw.”

**PART 2 – DEFINITIONS**

- 2.1 For purposes of this Bylaw, the Definitions in this Part apply.
- 2.2 “Act” means the *Municipal Government Act, R.S.A. 2000, c. M-26*, as amended.
- 2.3 “Approved” or “Approval” means written approval from the Director unless otherwise stated.
- 2.4 “Authorized Employee” means the CAO, the Director, or an employee of the Town authorized by the Director.
- 2.5 “Auxiliary Water Meter” means a device that
- (a) is designed to measure the quantity of water flowing through it; and





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- (b) is located downstream of a Water Meter owned by the Town and connected to the Town's Water Meter.
- 2.6 "Backflow" means the reversal of the direction of the normal flow of water in the Town Water System or in the Customer's Plumbing System due to Back Pressure or Back-Siphonage.
- 2.7 "Backflow Preventer" means a device that prevents Backflow as further described in the *National Plumbing Code*.
- 2.8 "Back Pressure" means a condition where the downstream water pressure is higher than the upstream supply pressure resulting in Backflow.
- 2.9 "Back-Siphonage" means a condition where Backflow occurs due to a loss of pressure in the upstream water supply.
- 2.10 "Bulk Water" means Town Water Service provided by a bulk water station operated by the Town.
- 2.11 "By-Pass Valve" means a valve on a water pipe that allows by-passing the Water Meter.
- 2.12 "CAO" means the Chief Administrative Officer of the Town.
- 2.13 "Check Valve" means a valve that allows fluid to normally flow through it in one direction only.
- 2.14 "Combined Water Service" means a Water Service Connection that supplies water for both domestic use and for a fire protection system in the same Premises.
- 2.15 "Council" means the Council of the Town of Strathmore.
- 2.16 "Cross Connection"
- (a) means any temporary, permanent or potential water connection that allows or may allow Backflow to occur thereby risking the contamination of drinking water and the Town Water Service; and
  - (b) includes but is not is not limited to the following connections to the supply of drinking water:
    - (i) fire suppression or irrigation systems;
    - (ii) water conditioning, heating or cooling systems ,
    - (ii) private wells, cisterns or springs;
    - (iii) garden hoses and swimming pools; and
    - (iv) installations typically in commercial, industrial and institutional buildings such as wash basins, boilers, cooling towers and chillers, water recirculating systems and solar heating.
- 2.17 "Cross Connection Control Device" means a Backflow prevention device approved by the Director that prevents Backflow.
- 2.18 "CSA Group" means the organization known as the CSA Group and accredited by the Standards Council of Canada that provides testing, inspection and certification services.



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- 2.19 “Customer” means
- (a) means the Owner, Occupant, lessee, purchaser, or other Person in charge of a Premises whose Premises is connected to the Town Water System including the Government of Canada or the Government of Alberta; and
  - (b) any Person who has made application for Town Water Service or is otherwise responsible for paying the Utility Billing Account for Town Water Service supplied to a Premises.
- 2.20 “Customer’s Plumbing System” means the system of pipes, fittings and valves that
- (a) are located entirely on a Customer’s Parcel, downstream of the Site Servicing Installation and the Water Meter; and
  - (b) contain or convey Town Water Service to the Customer’s Premises including all the pipes, fixtures and valves terminating at the Water Supply Outlets inside and outside a building.
- 2.21 “Director” means Director of Infrastructure, Operations and Development Services or the Director that is responsible for the Town’s engineering and/or infrastructure functions or that Director’s designate.
- 2.22 “Double Check Valve” consists of two check valves assembled in series and used as a backflow prevention device designed to protect water supplies from contamination.
- 2.23 “Emergency” means an unforeseen combination of circumstances that require immediate action without time for full deliberation, including but not limited to, events that cause harm or the risk of harm to property or the health, safety, or welfare of Persons.
- 2.24 “Engineering and Servicing Standards”
- (a) means the procedures, standards and specifications respecting construction of Municipal Improvements, Site Improvements and other infrastructure and facilities as set out in the Town’s current Design Standards and Procedures for Development and Infrastructure at the time of commencement of construction; and
  - (b) for the purposes of this Bylaw includes
    - (i) the *National Plumbing Code*; and
    - (ii) Alberta Environment and Parks “*Standards and Guidelines for Municipal Waterworks, Wastewater and Storm Drainage Systems*”.
- 2.25 “Hydrant Connection Unit” means a lockable container supplied by the Town to a Hydrant User that is used to withdraw water from a fire hydrant and which contains a Water Meter, valves, fittings and which may contain a Cross Connection Control device.
- 2.26 “Hydrant User” means any Person authorized by the Director to obtain water from a fire hydrant for a purpose other than Emergency fire protection.
- 2.27 “Lot” means a Lot as defined in Part 17 of the Act.





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- 2.28 “Master Control Valve” means the water valve inside the building or a vault, chamber, or manhole on a Customer’s Parcel and located upstream of the Water Meter that upon closure prevents the flow of water into the balance of the building or Premises.
- 2.29 “Master Servicing Agreement” means the document by the same name between the Town of Strathmore and the City of Calgary whereby the City supplies drinking water to the Town subject to certain terms and conditions.
- 2.30 “Municipal Improvements” means the services and facilities constructed on public property as described in an agreement pursuant to Sections 650, 651 or 655 of the Act.
- 2.31 “National Plumbing Code” means the current edition National Plumbing Code of Canada published by the Canadian Commission on Building and Fire Codes and enacted pursuant to the *Plumbing Code Regulation, A.R. 119/2007*.
- 2.32 “Occupant” means
- (a) an Owner of a Premises if that Owner resides or carries on a business within the Premises; and
  - (b) any Person or corporation, or both, residing or carrying on a business within a Premises either as a lessee or pursuant to a license of occupation, where the Premises is connected to the Town Water System.
- 2.33 “On-site Water Main” means a pipe located on a Customer’s Parcel which forms part of the Customer’s water distribution network and supplies Town Water Service to that Parcel.
- 2.34 “Owner” means the Person or Persons shown as the Owner or Owners on a Certificate of Title for a Parcel that is registered in the Land Titles Office.
- 2.35 “Parcel” means a parcel of land as defined in Part 17 of the Act.
- 2.36 “Peace Officer” means
- (a) a member of the Royal Canadian Mounted Police, or
  - (b) a Bylaw Enforcement Officer or a Peace Officer of the Town.
- 2.37 “Person” means any of the following:
- (a) an individual or individuals;
  - (b) a legal entity or business entity including a firm, association, partnership, society, or corporation; or
  - (c) a trustee, executor, administrator, agent or employee of either (a) or (b) above.
- 2.38 “Planning Approval”
- (a) means a development permit or a subdivision approval and includes an authorization pursuant to a condition of a development permit or subdivision approval including but not limited to an agreement required pursuant to Sections 650, 651 or 655 of the Act; and
  - (b) may include any other authorization issued pursuant to Section 17 of the Act.



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- 2.39 “Plumber” means an individual who holds a trade certificate or authorized equivalency in the plumber trade acceptable under the *Apprenticeship and Industry Training Act R.S.A 2000 C. A-52* as amended, and the regulations pursuant to that Act.
- 2.40 “Premises” means a Parcel, a building, or both or any part thereof.
- 2.41 “Premises-Isolating Cross Connection Control Device” means a Cross Connection Control Device installed on pipe that conveys Town Water Service to a Premises at a point before any water can be used by the Premises.
- 2.42 “Public Utility means any Public Utility as defined in Part 17 of the Act and provided by the Town.
- 2.43 “Remedial Order” means an order issued pursuant to Section 545 of the Act.
- 2.44 “Remote Reader” means a device, typically a radio transmitter, attached to the exterior of a building or located on the interior of the building that enables a Town employee to read water consumption either without entering the building, or without entering the balance of the building.
- 2.45 “Site Improvement” means the services and facilities constructed on public property or prospective public property as described in an agreement pursuant to Sections 650, 651 or 655 of the Act.
- 2.46 “Site Servicing Installation” means all the pipes and hardware, including the Master Control Valve that
- (a) connect to and commence at a Water Service Connection and terminate at and include the Water Meter;
  - (b) are located within a Parcel and include, if applicable, an On-Site Water Main; and
  - (c) provide Town Water Service to the Parcel and any buildings on the Parcel but excluding plumbing or service connections inside a building downstream of the Water Meter supplied by the Town.
- 2.47 “Street” means a public roadway within the Town as shown on a plan registered in the Land Titles Office including the boulevard and, where applicable, the sidewalk.
- 2.48 “Tester” means a Person authorized by the Director to test a Testable Cross Connection Control Device (TCCCD).
- 2.49 “Tier 1 Water System” and “Tier 2 Water System” means an in-ground irrigation system that
- (a) is assessed by a Certified Landscape Irrigation Auditor;
  - (b) complies with the Engineering and Servicing Standards and all the requirements for a Tier 1 or Tier 2 Water System as shown in Schedule “D”; and
  - (c) has been approved by the Director.
- 2.50 “Town” means the Town of Strathmore.





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- 2.51 “Town Water Main” means a pipe specifically designed for conveying drinking water and installed in
- (a) a Street; or
  - (b) a utility right-of-way that allows the Town to install and maintain Public Utilities
- which forms part of the Town Water System and delivers Town Water Service to a Water Service Connection or an On-Site Water Main.
- 2.52 “Town Water Service” means the drinking water provided by the Town for public consumption.
- 2.53 “Town Water System” means the pipes, equipment, materials and property owned and operated by the Town for the provision of drinking water to Customers and includes Town Water Mains, and
- (a) the Water Service Connections to and including the Water Service Valve; or
  - (b) the Water Service Connections to the property line of a Parcel if there is no Water Service Valve.
- 2.54 “Turn-Off” means to manipulate the Water Service Valve to prevent Town Water Service to flow to a Parcel or to otherwise prevent the flow of Town Water Service to a Parcel if there is no Water Service Valve.
- 2.55 “Turn-On” means to manipulate the Water Service Valve to allow Town Water Service to flow to a Parcel or to otherwise to allow Town Water Service to flow to a Parcel if there is no Water Service Valve.
- 2.56 “Utility Bill” means the invoice issued each month which sets out a Customer’s charges for a Customer’s use of Public Utilities, and which may include any penalties and arrears, if applicable.
- 2.57 “Utility Billing Account” means an account a Customer sets up with the Town, enabling the Town
- (a) to supply Public Utilities to a Customer; and
  - (b) to charge a Customer user charges and maintenance charges for the use of those Public Utilities for a specified period of time.
- 2.58 “Vacuum Breaker” means a device that prevents back-siphonage as further described in the *National Plumbing Code*.
- 2.59 “Violation Tag” means a tag that is mailed to the Premises or hung on the door of the Premises notifying a Customer that the Customer is in violation of this Bylaw, and which requires the Customer’s immediate attention.
- 2.60 “Violation Ticket” means a ticket issued pursuant to Parts II and III of the *Provincial Offences Procedure Act, R.S.A. 2000, c. P-34*, as amended.
- 2.61 “Water Meter” means a measuring device approved by the Director and owned by the Town that is designed to measure the quantity of water used by a Customer other than an Auxiliary Water Meter.



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- 2.62 “Water Meter Room” means a separate room within a building that houses a Water Meter and related valves, hardware and equipment.
- 2.63 “Water Service Connection” means that portion of the pipe and related hardware commencing at the Town Water Main and terminating at or near the property line of a Parcel that
- (a) contains the Water Service Valve and related hardware;
  - (b) provides or is intended to provide Town Water Service to the Parcel; and
  - (c) connects or is intended to connect to the Site Servicing Installation on the Parcel.
- 2.64 “Water Service Valve” or “curb stop” means the Town-owned water valve located on a Water Service Connection between the Town Water Main and the Parcel receiving the Town Water Service, which enables the Town to Turn-On or Turn-Off the Town Water Service supplied to a Customer’s Premises.
- 2.65 “Water Supply Outlet” means a faucet, shower head or any other valve at the end of a water supply that allows or prevents the flow of drinking water.

**PART 3 - INTERPRETATION**

- 3.1 All schedules, forms, tables and diagrams attached to this Bylaw form part of this Bylaw.
- 3.2 All headings, sub-headings and the Table of Contents in this Bylaw are included for guidance and convenience only and do not form part of this Bylaw.
- 3.3 Any contract between the Town and a Customer with respect to providing Town Water Service must be subject to this Bylaw.
- 3.4 Where this Bylaw cites or refers to any other act, regulation, bylaw, code, or publication, the citation or reference is to any of these documents as amended and includes reference to any document that may be substituted in its place.
- 3.5 If one or more provisions of this Bylaw are found to be improperly enacted or declared to be invalid for any reason then such provision must be regarded as severable from the Bylaw and all remaining provisions of this Bylaw remain in full force and effect.
- 3.6 All water supplied by the Town must be measured using the metric system.

**PART 4 – MASTER SERVICING AGREEMENT AND THE ACT  
PREVAILS**

- 4.1 The provisions of this Bylaw and any actions carried out by Authorized Employees pursuant to this Bylaw must be subject to or guided, as appropriate, by the Master Servicing Agreement and the Act.





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**PART 5 – INTERFERENCE AND UNAUTHORIZED ACCESS TO  
THE TOWN WATER SYSTEM**

- 5.1. A Person must not
- (a) disturb, dig or excavate a Street, lane or a utility right-of-way if the utility right-of-way is for the purpose of providing a Public Utility;
  - (b) attach or connect any pipe, fitting or fixture to a Town Water Main or other pipe form part of the Town Water System; or
  - (c) construct a Water Service Connection
- unless the Director authorizes any of the above in writing in accordance with this and any other Bylaws of the Town and the Municipal Right-of-Way Works and Excavation Policy.
- 5.2 A Person must not
- (a) obstruct or impede direct and free access to Town Water Mains and Water Service connections;
  - (b) operate or handle any portion of the Town Water System; or
  - (c) tamper with a Site Servicing Installation
- unless authorized by this Bylaw.
- 5.3 A Person must not
- (a) use any Town Water Service or allow Town Water Service to be used unless the water has passed through a Water Meter unless otherwise authorized by Director in accordance with this Bylaw;
  - (b) damage, destroy, remove or interfere in any way with any pipe, pipe connection, valve or other hardware forming part of the Town Water System;
  - (c) interfere in any way with or cause any interference with the use of the Town Water System by another Customer and without limiting the generality of the foregoing, a Person must not attach any device to any water pipe which may create noise, a pressure surge, back-flow or contamination of the Town Water System;
  - (d) use a boosting device on any Water Service Connection, on the inflow side of a Water Meter or a Master Control Valve for the purpose of increasing water pressure;
  - (e) install branch supply lines, outlets or fixtures on the upstream side of
    - (i) a Water Meter or a Master Control Valve except for fire protection purposes where approved by the Director; or
    - (ii) a Premises-Isolating Cross Connection Control Device;
  - (f) interfere or tamper with the operation of a Water Meter or a Remote Reader;
  - (g) break, tamper with, or remove any seal, lock-out device, or lock-out tag installed by the Town on a Water Meter, a Remote Reader, any valves or flanged outlets on a Water Service Connection or a water metering facility;





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- (h) install a By-Pass Valve or any apparatus or hardware that bypasses the Water Meter unless authorized by the Director in writing;
  - (i) open a By-Pass Valve or metering installation except in the case of an Emergency;
  - (j) use any Town Water Service
    - (i) in contravention of this Bylaw;
    - (ii) unless a Utility Billing Account has been created for the Parcel or Premises receiving the Town Water Service; and
    - (iii) without the consent of the Director;
- or allow or cause any of the above to occur.
- 5.4 A Customer or Owner who causes willful damage, breaks, alters or tampers with a Water Meter or a Remote Reader is responsible for the cost of removing, repairing or replacing the Water Meter, Remote Reader or other and any additional costs or penalties as described in one or more Bylaws of the Town.
- 5.5 If an Authorized Employee determines that an unauthorized use of Town Water Service has occurred, or is occurring, the Authorized Employee may take corrective action to remedy the unauthorized use including but not limited to
  - (a) repairing or replacing a Water Meter owned by the Town, the Water Service Connection or any other part of the Town Water System;
  - (b) issuing a Remedial Order, pursuant to Part 34 requiring that a Customer or Owner take corrective action; and
  - (c) Turning-Off Town Water Service to a Parcel.
- 5.6 A Person who uses Town Water Service in contravention of this Bylaw is responsible for the following charges:
  - (a) the consumption or use of Town Water Service as estimated by the Town in accordance with the rates established by Bylaw; and
  - (b) all costs incurred by the Town to cover the Town's costs resulting from the unauthorized use of Town Water Service.
- 5.7 A fine will be levied against any Person who tampers with the Town Water System.

**PART 6 – RESPONSIBILITIES OF THE TOWN**

- 6.1 In all cases, the provision of Town Water Service to Premises must be guided by the objective of minimizing the risk of contaminating the Town Water Service or the Town Water System.
- 6.2 The Town will operate and maintain the Town Water System as a Public Utility and will provide Town Water Service to a Premises in accordance with this Bylaw, the Bylaws of the Town, and upon such terms as Council considers advisable provided that
  - (a) the Premises adjoin a Town Water Main where Town Water Service exists;



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- (b) an application for Town Water Service has been submitted to the Town by the Owner, Occupant or other Person in charge of the Premises; and
  - (c) the application for Town Water Service is approved by an Authorized Employee.
- 6.3 If Town Water Service is commenced or continued in accordance with this Bylaw and if a Water Service Connection has been provided to a Parcel, the Town must supply Town Water Service to a Site Servicing Installation at any of the following locations as the Director considers reasonable and appropriate:
- (a) at the property line of the Parcel to be serviced;
  - (b) at the boundary of a Street or a lane; or
  - (c) at the boundary of a utility right-of-way that has been provided for the provision of Public Utilities by the Town
- subject to Section 6.1, Part 14, Part 16 and other provisions of this Bylaw as applicable.

**PART 7 –GENERAL RESPONSIBILITIES OF THE CUSTOMER**

- 7.1 If Town Water Service is commenced or continued pursuant to this Bylaw, the Customer or Owner must
- (a) provide a Water Service Connection and pay to the Town all of the costs of providing, installing and inspecting the connection, if there is no existing Water Service Connection from a Town Water Main to the Customer's Parcel;
  - (b) provide a Water Service Connection and pay to the Town all of the costs of providing, installing and inspecting the connection, if the Water Service Connection needs to be abandoned, removed or replaced due to
    - (i) damage or deterioration of the Water Service Connection; or
    - (ii) redevelopment of the Customer's parcelin which case the Customer is also responsible for all the costs of abandoning the existing Water Service Connection subject to Section 9.2.
  - (c) assume responsibility for all the costs of providing, installing, inspecting and maintaining a Site Servicing Installation and connecting the Site Servicing Installation to the Water Service Connection at, or beyond the boundaries of the Customer's Parcel;
  - (d) ensure that the following comply with the provisions of this Bylaw and the Engineering and Servicing Standards, if a Customer or Owner provides any of the following or connects them together:
    - (i) a Water Service Connection;
    - (ii) a Site Servicing Installation.
  - (e) ensure that the Site Servicing Installation, at the point where it enters a building, complies with the *Safety Codes Act R.S.A. 2000 C. S-1*, the *Plumbing Code Regulation AR 119/2007* and the *National Plumbing Code*;



- (f) protect any Water Meter, Remote Reader, valves and pipes located on the Customer's Parcel from freezing, excessive heat and any damage whether internal or external within the control of the Owner or Customer;
  - (g) take the necessary action to prevent the Town Water Service from becoming overheated in all cases including but not limited to situations where the Water Meter and related equipment is located in a Water Meter Room, vault, chamber or manhole;
  - (h) notify the Director immediately if a Water Meter is not operating or if any part of a Water Meter is broken or damaged;
  - (i) notify the Director within 24 hours if the seal on a By-Pass Valve or a Water Meter is broken or removed under any circumstance;
  - (j) ensure that any permits, inspections or approvals required under this Bylaw, any other Bylaw of the Town or any statute or regulation have been conducted or obtained and are valid and subsisting prior to connecting to the Town Water Main; and
  - (k) ensure that a connection to the Town Water System does not interfere with the operation of the Town Water System.
- 7.2 A Customer or Owner is responsible for maintaining, repairing and replacing a defective, incomplete, non-compliant or non-functioning Site Servicing Installation including but not limited to the following:
- (a) any break or leak;
  - (b) a frozen pipe or fitting or an otherwise plugged pipe;
  - (c) an improper, a non-compliant or an incomplete installation,
  - (d) a damaged or non-functioning Water Meter; and
  - (e) any other deficiency in a Site Servicing Installation.
- 7.3 If a Customer or an Owner fails or refuses to repair or remedy a defective, incomplete, non-compliant or non-functioning Site Servicing Installation, the Director, in addition to any other remedies provided by this Bylaw,
- (a) may Turn-Off Town Water Service and continue to refuse to provide Town Water Service until such time as a defective, incomplete, non-compliant or non-functioning Site Servicing Installation has been repaired, replaced or otherwise remedied; and
  - (b) may estimate the volume of water loss and demand payment from the Customer for the amount of water estimated to have been lost, which payment shall become due and payable upon demand being made.
- 7.4 If a Water Service Valve has been provided near the property line of a Parcel, a Customer or Owner whose Parcel is connected to that valve
- (a) must take reasonable steps to allow access to that valve during the final landscaping of the Parcel and the adjoining boulevard including but not limited to the installation of driveways, sidewalks and fences;



- (b) must not place asphalt or concrete over a Water Service Valve so that its location is not discernable with normal vision; and
  - (c) must not alter the grade or the surface of the ground and bury the Water Service Valve or be in contravention of the Land Use Bylaw or the conditions of a development permit or other authorization granted pursuant to the Land Use Bylaw.
- 7.5 The Town is not liable for damages or loss suffered by anyone due to the operation of the Town Water System unless the damages or loss are shown to be directly due to the negligence of the Town or its employees and without limiting the generality of the foregoing the Town is not liable for damages or loss caused by
- (a) the settlement of any excavation or trench made for the installation or repair of any part of the Town Water System, or any damage or loss resulting from such settlement;
  - (b) a defective, leaking, broken, or plugged Site Servicing Installation;
  - (c) disrupting the supply of any Town Water Service if the disruption results from repairing or maintaining the Town Water System; or
  - (d) disrupting or Turning-Off any Town Water Service as the result of an Emergency.
- 7.6 Every Person who relies on a written Approval issued pursuant to this Bylaw has the onus of proving that they are the holder of a valid and subsisting Approval.
- 7.7 A Person must report to the Town any connection or equipment that does not comply with the requirements of this Bylaw.
- 7.8 A Customer may request that
- (a) a Water Meter be tested for accuracy, and the cost of any such test must be at the expense of the Town if the Water Meter is found to be inaccurate in excess of 2 percent of the actual flow of water and the test must be at the expense of Customer if the Water Meter is found to be accurate within 2 percent of the actual flow; and
  - (b) a Water Meter or metering facilities be relocated by submitting plans and specifications to the Director in a form approved by the Director and upon Approval by the Director, the Customer may relocate, alter or change any Water Meter or metering facilities in accordance with the Approval and the cost of any such alteration or relocation including costs incurred by the Town are the responsibility of the Customer.

#### **PART 8 – APPLICATION FOR TOWN WATER SERVICE**

- 8.1 A Person requesting Town Water Service must submit an application for same to the Town together with the fee and any applicable security required by Council.
- 8.2 An application for Town Water Service must not be approved unless
- (a) all the applicable fees required by Council have been paid; and



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- (b) the Customer pays in full any indebtedness owed by the Customer in any Utility Billing Account or Utility Bill past or present.
- 8.3 A Person making an application for Town Water Service must not give false information.

**PART 9 – TEMPORARY TOWN WATER SERVICE AND ABANDONING SERVICE**

- 9.1 If temporary Town Water Service is required, the Customer must pay in advance, the full costs of the temporary service, the costs of removing the temporary service when it is no longer needed and any related administrative charge as required by the Director to provide or remove the temporary Town Water Service.
- 9.2 If Town Water Service and an existing Water Service Connection is no longer required to serve a Parcel
  - (a) the Director, subject to Section 7.1(b) above may require that the Water Service Connection be removed by the Customer or the Owner of the Parcel at the Customer's or Owner's sole expense and upon such conditions as the Director considers reasonable and appropriate; or
  - (b) the Customer of the Parcel may request that the Water Service Connection be removed and the Director may approve the removal or the abandonment provided that the Customer
    - (i) pays to the Town all costs associated with the removal or abandonment; and
    - (ii) returns to the Town the Water Meter and any Town property that the Town requests be returned.

**PART 10 – DIRECTOR'S AUTHORITY, THE MASTER SERVICING AGREEMENT AND WATER USE RESTRICTIONS**

- 10.1 Despite any provision to the contrary, the Director must take actions as the Director considers reasonable and appropriate to ensure that the terms, conditions and requirements of the Master Servicing Agreement are complied with or carried out, as appropriate, and without limiting the generality of the foregoing the Director must take the necessary actions to ensure that
  - (a) private water wells, cisterns and surface water systems are not connected to the Town Water System;
  - (b) water re-use and similar strategies implemented by the Town do not contravene the terms, conditions or requirement of the licenses;
  - (c) cross connections in the Town Water System are not allowed; and
  - (d) the City of Calgary is the exclusive provider of drinking water to the Town, subject to the Master Servicing Agreement.
- 10.2 The Director must impose
  - (a) voluntary restrictions on the use of the Town Water Service if requested by the City of Calgary pursuant to the Master Servicing Agreement;





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- (b) compulsory restrictions on the use of Town Water Service in either or both of the following circumstances:
    - (i) if required by the City of Calgary pursuant to the Master Servicing Agreement; or
    - (ii) if required in the case of an Emergency; and
  - (c) voluntary or compulsory restrictions for the use of Town Water Service for a specified or an unspecified period of time.
- 10.3 If the Director considers it reasonable and appropriate to do so, the Director may impose any of the following Special Outdoor Watering Restrictions as a compulsory or a voluntary restriction:
  - (a) a Stage One, Stage Two, Stage Three or a Stage Four Special Outdoor Watering Restriction as described in Schedule “B”; or
  - (b) an alternate Special Outdoor Watering Restriction that restricts or prohibits the use or the volume of use of Town Water Service for certain purposes, at certain times, on certain days or under certain circumstances.
- 10.4 Restrictions on the use of Town Water Service take effect
  - (a) 24 hours from the time the Town is requested to impose a voluntary restriction as described in Section 10.2(a) above;
  - (b) immediately in the case of compulsory restriction or an Emergency as described in Section 10.2(b) above.
- 10.5 If the Director imposes a voluntary or compulsory restriction on the use of Town Water Service, the public must be notified by one or more of the following means:
  - (a) the Town’s emergency notification system;
  - (b) electronic media including television, radio and the Town’s website;
  - (c) electronic or other signage at various locations; and
  - (d) local newspapers.
- 10.6 A Person commits an offence under this Bylaw if
  - (a) the Director has imposed a compulsory restriction on the use of Town Water Service pursuant to Sections 10.2(b) or 10.3 of this Bylaw and the Person fails to comply with the compulsory restriction imposed by the Director; or
  - (b) the Person does not comply with Part 32 of this Bylaw.

**PART 11 – GENERAL AUTHORITY OF THE DIRECTOR**

- 11.1 Subject to the requirements of this Bylaw and other Bylaws of the Town, the Director may
  - (a) delegate any or all of the powers granted to the Director pursuant to this Bylaw;
  - (b) take such actions as the Director considers reasonable and appropriate to implement or support Section 6.1 of this Bylaw;
  - (c) initiate a program that reduces the risk of Cross Connections including public information, education and enforcement;



- (d) initiate a program or measures designed to reduce leaks in the Town Water System;
- (e) establish standards, guidelines, and specifications for the design, construction, maintenance and operation of the Town Water System;
- (f) establish standards, guidelines and specifications for the design, construction and inspection of the following:
  - (i) Site Servicing Installations including Water Meters and Remote Readers;
  - (ii) any portion of the Customer's Plumbing System that warrants monitoring or periodic inspection; and
  - (iii) all fire hydrants, standpipes and supporting infrastructure subject to the *Alberta Building Code* and the *Alberta Fire Code*;
- (g) prohibit by-passing Water Meters with a pipe for the purpose of providing fire suppression sprinkler systems whether such systems rely on a tank or are a flow-through system, terminating a drain, toilet or other receptacle;
- (h) establish guidelines for the replacement of Water Meters, Remote Readers and related fixtures and require the replacement of any Water Meter, Remote Reader or related fixture;
- (i) establish the form, format and information required for an application to construct a Site Servicing Installation;
- (j) enter into contracts for the installation of equipment or the provision of Town Water Service;
- (k) enter into contracts on behalf of the Town with any Customers in the Town for the provision of Town Water Service and may as a condition of service, impose any conditions to the supply of Town Water Service in such contracts that the Director considers reasonable and appropriate, including provision that if the Customer fails to comply with this Bylaw or the terms of the contract that Town Water Service may be discontinued;
- (l) require any Customer to enter into a contract with the Town for the provision of Town Water Service prior to such service being provided;
- (m) Turn-Off Town Water Service, refuse to supply and continue to refuse to provide Town Water Service until such time as a deficiency or non-compliance is corrected if a Customer or Owner has
  - (i) provided false information in an application for service;
  - (ii) failed to keep a Utility Billing Account in good standing;
  - (iii) refused to allow the installation of a Water Meter; or
  - (iv) failed to comply with a condition of Town Water Service or a requirement or term of a contract for the provision of Town Water Service.



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- 11.2 The Director must take reasonable and appropriate actions to ensure that
- (a) the requirements of this Bylaw or an authorization or approval granted by an Authorized Employee are addressed in a Planning Approval or in the consideration of a Planning Approval;
  - (b) that servicing of land and Planning Approvals are coordinated; and
  - (c) the requirements of this Bylaw are implemented through the appropriate and applicable Planning Approvals.
- 11.3 The Director may suspend or withdraw any Approval that may have been granted to connect a Parcel to the Town Water System if the Director determines that any of the construction, installation or work is not in accordance with the provisions of this Bylaw, and the Person making such connection, or that Person's successors in interest have no right to demand or claim damages in consequence of such Approval being suspended or withdrawn.

**PART 12 - COMPULSORY CONNECTION TO THE TOWN WATER  
SYSTEM**

- 12.1 Unless exempted by Section 12.4 below, a Parcel in the Town that uses drinking water for any purpose must be connected to the Town Water System.
- 12.2 If a Parcel is connected to the Town Water System, that Parcel
- (a) must be supplied with Town Water exclusively and must not be supplied with, be connected to, or remain connected to any other water source, including but not limited to a well, a spring or a cistern recognizing that the *National Plumbing Code* provides that "*No private water supply system shall be interconnected with a public water supply system.*" [Section 2.6.2.6]; and
  - (b) must not be connected or remain connected to any pipe, fixture, container or other apparatus that may cause water from a source other than Town Water Service, or any potentially harmful or deleterious liquid or substance to enter the Town Water System.
- 12.3 If a Parcel contains a spring, well or cistern and a Customer intends to connect that Parcel to the Town Water System, the spring, well or cistern on that Parcel must be abandoned and the abandonment must be in accordance with the applicable requirements of
- (a) Alberta Environment and Parks and the Town in the case of a well or a spring; and
  - (b) the Town in the case of a cistern.
- 12.4 The exemption referred to in Section 12.1 above applies to Parcels that comply with all three of the following criteria which allows these Parcels to use an existing well, cistern or spring:
- (a) the Parcel does not adjoin a Street or a utility right-of-way containing a Town Water Main and the closest Town Water Main is at least 150 meters from the property line of the Parcel;





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- (b) the Parcel contains an existing farmstead or similar rural development that existed on the date this Bylaw was passed; and
  - (c) the Parcel is not subject to servicing requirements due to a Planning Approval or prospective requirements arising from an application for Planning Approval.
- 12.5 If a Parcel is supplied with Town Water Service or uses an existing well, cistern or spring in accordance with Section 12.4 above that Parcel may supplement its drinking water with bottled drinking water from a commercial source or an authorized bulk water supplier.
- 12.6 A Parcel that is supplied with drinking water from a well, spring or cistern must be connected to the Town Water System no later than the time that a Town Water Main is provided in
  - (a) a Street or a utility right-of-way that adjoins the Parcel at any point; or
  - (b) a utility right-of-way that is registered against the Certificate of Title of the Parcel.
- 12.7 The Town assumes no responsibility for the amount, the rate of delivery or the quality of water provided by a means other than the Town Water System.

**PART 13 - ALTERNATE SOURCES OF WATER**

- 13.1 Subject to Part 12 and the provisions of this Bylaw, a Person must not use any source of water other than Town Water Service to supply water through a plumbing system to any residential, commercial, industrial or institutional Premises without the written authorization of the Director.
- 13.2 Subject to Part 12 and the provisions of this Bylaw, the Director may authorize the use of an alternate source of water, other than the Town Water Service subject to such terms and conditions the Director considers necessary and including but not limited to the period of time during which an alternate supply of water may be used.
- 13.3 In all cases, if a Person has been granted permission by the Director to use an alternate source of water other than the Town Water Service that alternate source of water must not be connected in any manner to the Town Water System or Town Water Service.
- 13.4 Unless authorized by the Director in writing, a Person must not provide or supply Town Water Service or an alternate source of drinking water to a Premises with or without charge by pipe, hose or any other means if that Premises can be or could be supplied with Town Water Service through its own Water Service Connection.

**PART 14 - SERVICING OF LOTS, PARCELS AND BARE LAND UNITS**

- 14.1 Subject to Section 40 and other provisions of the Act and subject to Section 14.2 below, the following rules apply to the servicing of Lots and Parcels, if the Lot or Parcel requires Town Water Service:





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- (a) As a general rule, a separate Water Service Connection must be provided for each Lot unless
    - (i) two or more Lots are contained in a Certificate of Title and separate titles for those Lots cannot be issued without subdivision approval by the Town's Subdivision Authority pursuant to Part 17 of the Act; and
    - (ii) the Director is satisfied that there is no imminent or pending application for a development permit or a subdivision application that on approval would require separate services for each Lot.
  - (b) A bare land unit on a condominium plan must be treated as a Lot and requires one and only one Water Service Connection unless the condominium plan is intended solely as a phasing plan that will be cancelled on completion of a development containing 2 or more buildings.
- 14.2 The Director may vary the rules in Section 14.1(b) above to ensure that upon final arrangement or configuration, each bare land unit is separately serviced subject to more detailed requirements in the Engineering and Servicing Standards.

**PART 15 – SITE SERVICING INSTALLATION AND APPLICATION FOR CONNECTION**

- 15.1 A Person must not
- (a) construct a Site Servicing Installation;
  - (b) connect a Parcel or a Site Servicing Installation to the Town Water System;
- or
- (c) connect a Site Servicing Installation on one Parcel to a Site Servicing Installation on another Parcel
- without first obtaining written permission from the Director.
- 15.2 A Person intending to construct a Site Servicing Installation in order to connect a Parcel or Premises to the Town Water System must submit the following information to the Director:
- (a) a complete application form and the fee prescribed by Council; and
  - (b) any plans, specifications, photographs or other information as required by the Director
- unless the preceding information, to the satisfaction of the Director, is provided in an application for a Planning Approval.

**PART 16 – EXTENSION OF WATER MAINS AND WATER SERVICE CONNECTIONS**

- 16.1 The Town is not responsible for any of the following despite any provision to the contrary in this Bylaw:
- (a) providing Town Water Service to a Parcel that does not adjoin a Town Water Main,
  - (b) extending a Town Water Main; or
  - (c) providing a Water Service Connection.



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- 16.2 A Person wishing to subdivide land or develop land must provide at the Person's expense Town Water Mains and Water Service Connections to each Lot or Parcel in accordance with the conditions of a Planning Approval recognizing that the subdivision and development are governed by the Act, the *Subdivision and Development Regulation*, the Land Use Bylaw, Statutory Plans, the Engineering and Servicing Standards and related regulations in addition to this Bylaw.
- 16.3 Town Water Mains and Water Service Connections must be constructed in accordance with the Engineering and Servicing Standards unless otherwise stated in an agreement that is required pursuant to Sections 650, 651 or 655 of the Act.
- 16.4 Unless otherwise required by the Director and as operational needs dictate, an excavation for the purpose of installing a Water Service Connection, a Town Water Main or a connection between the two must not be backfilled until an Authorized Employee has inspected and approved the installation or connection in writing.

**PART 17 – NOTICE BEFORE WORK AFFECTING A TOWN WATER  
MAIN**

- 17.1 Unless otherwise required by the Director, and subject to operational needs, a person must notify the Director in writing 2 days prior to commencing any construction that affects a Town Water Main and such work must not proceed unless and until the Director approves the work and authorizes it to proceed in writing.

**PART 18 – IRRIGATION**

- 18.1 The Town may irrigate lands it owns or controls with water provided by the Western Irrigation District since the Town possesses a license issued by Alberta Environment and Parks to divert water from the Bow River for irrigation.
- 18.2 Agricultural lands that were annexed to the Town pursuant to Board Order No. MGB 034/10 may continue to irrigated with a water source other than the Town Water System, but use of a water source other than the Town Water System must be discontinued when the lands are subdivided for conventional urban development.
- 18.3 Despite any provision to the contrary, a Parcel other than an agricultural Parcel may be irrigated with water supplied by the Western Irrigation District provided that the water
- (a) is used immediately;
  - (b) may be stored in a tank attached to or located on a truck or trailer; and
  - (b) must not be stored on the Parcel or any adjacent Parcel in a tank, cistern, pool, reservoir or any other fixture or facility that is located on the Parcel or an adjoining Parcel.





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**PART 19- BULK WATER**

- 19.1 A Person must submit an application and pay the applicable fees and deposits as required by Council to obtain water from a bulk water station operated by the Town.
- 19.2 The Town is not responsible for the quality of the water received by a Customer from a bulk water station operated by the Town.

**PART 20 – BACKFLOW AND CROSS CONNECTION PREVENTION**

- 20.1 The Town Water System and a Site Servicing Installation must be designed to prevent Cross Connections and Backflow and where this is not possible, or reasonable and appropriate in the opinion of the Director, the Director must require a Cross Connection Control Device or other measures that provide an effective, durable, and as far as possible, a permanent solution that can be monitored, inspected, tested and maintained.
- 20.2 Cross Connections are prohibited and a cross connection must not be provided, constructed or allowed to remain unless the Cross Connection has been approved by the Director in writing with or without conditions.
- 20.3 The *National Plumbing Code* prescribes the devices for dealing with Backflow due to Back Pressure or described as Back-Siphonage and the Director may require
  - (a) the installation of any of these devices, if required by the *National Plumbing Code*; and
  - (b) the installation of any Cross Connection Control Device, Backflow Preventer or similar device if the Director considers it reasonable and appropriate to do so in order to supplement the requirements of the *National Plumbing Code* and to reduce the risk of contaminating drinking water.
- 20.4 A Testable Cross Connection Control Device (TCCCD) for the purpose of this Part and unless otherwise required by the Director, means any of the following as described in the CSA Group's document *B64.10-17/B64.10.1-17 "Selection and installation of backflow preventers/ maintenance and field testing of backflow preventers"*:
  - (a) a Double Check Valve Assembly (DCVA);
  - (b) a Reduced Pressure Principle Assembly (RP);
  - (c) a Pressure Vacuum Breaker Assembly (PVB/SRPVB); and
  - (d) air gaps approved by the Director.
- 20.5 If a TCCCD identified in Section 20.4 has been approved by the Director subsequent to the adoption of this Bylaw and installed, the Customer at the Customer's expense must have the device tested
  - (a) at the time a new TCCCD is installed;
  - (b) annually or as required by the Director; and
  - (c) at the time the TCCCD is relocated, cleaned, repaired or overhauled.





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- 20.6 A Tester must submit a report to the Director within 30 days of each test of a TCCCD if the Tester determines that the TCCCD
- (a) is in good working order; or
  - (b) is not in good working order and the Tester repairs or replaces and re-tests the TCCCD immediately.
- 20.7 A Tester must submit a report in writing to the Director on a form required by the Director within 2 business days of every test of a TCCCD if the Tester discovers that a TCCCD is not in good working order and the Tester does not repair or replace that TCCCD immediately.
- 20.8 As a condition of receiving Town Water Service, the Director may issue a Remedial Order as described in Part 34 to a Customer or Owner requiring the installation, testing or repair of a Cross Connection Control Device and that Remedial Order may specify a date and time by which the Customer or Owner must comply with the terms of the Remedial Order.
- 20.9 A faucet installed on the exterior of a building or in a garage and described as a hose bib in the *National Plumbing Code* must
- (a) incorporate a Vacuum Breaker; or
  - (b) must be connected to a separate Vacuum Breaker if the faucet does not incorporate a Vacuum Breaker.

**PART 21 - PREMISES-ISOLATING CROSS CONNECTION CONTROL  
DEVICES**

- 21.1 Subject to Section 21.2, a Premises-Isolating Cross-Control Device
- (a) must be installed in any building receiving Town Water Service that is constructed after the adoption of this Bylaw if the building contains any commercial, institutional or industrial development; and
  - (b) is not required if the building only contains one or more dwelling units and is separately serviced with a Water Service Connection from a Town Water Main or is separately serviced from an On-Site Water Main.
- 21.2 A Premises-Isolating Cross Connection Control Device may be required by the Director if
- (a) a Parcel or Lot contains more than one building containing dwelling units; or
  - (b) in such other circumstances as the Director considers reasonable and appropriate.

**PART 22 - ACCESS TO PROPERTY FOR INSPECTIONS AND TOWN  
WATER SERVICE**

- 22.1 A Customer must allow free access on request to all parts of a Premises to which Town Water Service is delivered and consumed
- (a) as a condition of receiving Town Water Service;
  - (b) upon receipt of reasonable notice by an Authorized Employee for any or all of the purposes identified in Section 22.2 below; and



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- (c) subject to the operational needs of the Town.
- 22.2 An Authorized Employee may request free access to a Premises for the purpose of
  - (a) carrying out an inspection to determine if an installation is in accordance with drawings approved by an Authorized Employee;
  - (b) installing, maintaining, repairing or removing a Site Servicing Installation, a Water Meter or any portion of the Town Water System;
  - (b) sampling the water supply;
  - (c) carrying out an inspection to determine whether a Cross Connection exists on the Premises,
  - (d) inspecting Cross Connection Control Devices and any other control devices or other equipment, hardware and works associated with the Town Water System or the Customer's Plumbing System;
  - (e) reading Water Meters;
  - (f) carrying out an inspection to determine compliance with this Bylaw or a Remedial Order; or
  - (g) carrying out an inspection for a purpose related to any of the above.
- 22.3 An Authorized Employee may request free access to a Premises for a purpose described in Section 22.2 during
  - (a) normal business hours; or
  - (b) an alternate period of time as stated in the request if the Authorized Employee is of the opinion that entry into a Premises is inappropriate or impractical during normal business hours, in which case the Authorized Employee may give at least 24 hours' notice to the Customer of the Authorized Employee's intention to inspect at the alternate time.
- 22.4 Despite any provision to the contrary in this Bylaw, if an Authorized Employee believes that
  - (a) a Cross Connection exists in contravention of this Bylaw; and
  - (b) the Cross Connection is an immediate threat to the Town Water Service by risking contamination of that servicethen the Authorized Employee may carry out an inspection of the Premises without notice to the Customer.
- 22.5 If an Authorized Employee has conducted an inspection in accordance with this Part and the Authorized Employee believes a Cross Connection exists on a Premises, then the Authorized Employee may Turn-Off Town Water Service to the Premises
  - (a) upon reasonable notice the Customer; or
  - (b) without notice to the Customer if the Authorized Employee believes that the Cross Connection is an immediate threat to the Town Water Service by risking contamination of that service, until such time as the Authorized Employee deems such threat sufficiently removed.





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- 22.6 An Authorized Employee must provide appropriate identification when requested to do so by a Customer before commencing an inspection of a Premises.
- 22.7 A Person must not hinder, interrupt or cause to be hindered an Authorized Employee or an employee, contractor, agent or servant of the Town in the exercise of any of the powers or duties relating to the Town Water System or the protection of Town Water Service as authorized or required by this Bylaw.
- 22.8 Upon terminating a Town Water Service to a Premises, an Authorized Employee may, at all reasonable times and upon prior reasonable notice to the Customer, enter the Premises that was supplied with Town Water Service for the purpose of removing from the Premises any fittings, machines, apparatus, Water Meters, Remote Readers, pipes or any other things that are the property of the Town.

**PART 23 - WATER METERS, REMOTE READERS AND MASTER  
CONTROL VALVES**

- 23.1 As a condition of receiving Town Water Service and subject to Section 23.2 below
- (a) one Water Meter and one Remote Reader and related wiring must be installed downstream of each Water Service Connection and the Water Meter, Remote Reader and related wiring must be supplied by the Town;
  - (b) a Master Control Valve must be installed and it must be installed, unless otherwise required by the Director, immediately inside the outer wall of a building receiving Town Water Service and on the inlet side of the Water Meter;
  - (c) not more than one Water Meter must be provided for each Water Service Connection subject to Section 23.3(a) and Part 26; and
  - (d) a Customer or a builder, as appropriate, must contact the Town immediately after the Water Meter has been installed and request the installation of a Remote Reader and related wiring.
- 23.2 Unless exempted by Part 25, a Water Meter must be provided in order to receive Town Water Service including but not limited to any Parcel or Premises receiving the following:
- (a) Combined Water Service, or
  - (b) temporary or seasonal Town Water Service.
- 23.3 As a condition of receiving Town Water Service the Director may
- (a) determine and specify the size, type and number of Water Meters that must be supplied and installed in a Premises having regard to water consumption objectives;
  - (b) require that any Water Meter and any Remote Reader be located at one or more specified locations;
  - (c) allow a Remote Reader or its replacement either to remain on the exterior of a building or require its relocation;





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- (d) require the relocation of a Water Meter to, or near the location where the Water Service Connection enters a building if the building has been or is being altered or renovated and in such other situations as the Director considers reasonable and appropriate;
  - (e) require a Water Meter to be tested either on site, or removed for testing at any specific time or periodically;
  - (f) inspect a Premises prior to providing Town Water Service to determine if a Premises is suitable for the installation, reading, maintenance and repair of a Water Meter and related works;
  - (g) require that a Water Meter and a Remote Reader be replaced;
  - (h) require that an installation be modified or replaced in order to comply with the requirements of this Bylaw, or to comply with an Approval, a Planning Approval, an authorization or approved drawings;
  - (i) in the case of the installation of two or more Water Meters, require that their installation be
    - (i) adjacent to each other and as close as possible to the Master Control Valve, or
    - (ii) at or near the location where the Water Service Connections enters the building;
  - (j) require that a Water Meter be located in a Water Meter Room; and
  - (k) authorize or require the installation of a Water Meter inside a Water Meter building, vault, chamber or manhole in accordance with Section 23.8 below.
- 23.4 A Water Meter must be installed in all buildings requiring Town Water Service
- (a) by a Plumber in the earlier of the following circumstances:
    - (i) in the case of a building under construction or undergoing renovations, as soon as the heating system is installed in the building, including any show home and any unoccupied building; and
    - (ii) before the building is occupied by a Person;
  - (b) by a Plumber if the Water Meter needs to be replaced and the meter accepts an inlet pipe with a diameter of more than 5 centimeters; and
  - (c) by an Authorized Employee if the meter accepts an inlet pipe with a diameter of 5 centimeters or less.
- 23.5 All Remote Readers and related wiring must be installed by an Authorized Employee unless otherwise required by the Director.
- 23.6 If a Premises requires a Water Meter, the Water Meter must be maintained by the Owner at the Owner's expense and if a Water Meter or a Remote Reader required by the Town
- (a) is removed or stolen; or
  - (b) must be replaced for any other reason



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all the costs of replacing and installing the Water Meter and Remote Reader are the responsibility of the Owner and the Town may add these costs to the Utility Bill.

- 23.7 A Water Meter, Remote Reader must be readily accessible to an Authorized Employee for service, maintenance and repair and a Remote Reader and must not be obstructed by any vegetation, structure or building or portion thereof to the satisfaction of the Director.
- 23.8 If a Water Meter is installed in a vault, chamber, manhole, or in building intended to house only a Water Meter and related equipment the installation must
- (a) be located near the property line of the Parcel;
  - (b) to the satisfaction of the Director and in accordance with the Engineering and Servicing Standards;
  - (c) be maintained by the Owner and upon failure to do so, the Director may have such work performed at the Owner's expense; and
  - (d) constructed so that the Water Meter, valves and pipes located on the Parcel are protected from freezing, excessive heat and damage and that the water supply is not heated to excess.
- 23.9 A Master Control Valve must be
- (a) easily accessible at all times; and
  - (b) maintained in good mechanical condition by the Owner of the Premises to ensure that the valve is operable in the case of an Emergency.

**PART 24 – COSTS AND OWNERSHIP OF WATER METERS AND  
REMOTE READERS**

- 24.1 The Town
- (a) may charge for and recover from the Owner of a Premises the cost of supplying, installing, altering, repairing or replacing a Water Meter; and
  - (b) retains ownership of all Water Meters and Remote Readers supplied by the Town despite the payment of any user fee or any other any costs to the Town, excluding Auxiliary Water Meters as described in Part 26.

**PART 25 – WATER METER EXEMPTIONS**

- 25.1 The following do not require a Water Meter:
- (a) fire service connections that are not used for any other purpose; and
  - (b) a connection where it is impractical to install a Water Meter in the opinion of the Director.





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**PART 26 – AUXILIARY WATER METERS**

- 26.1 An Auxiliary Water Meter must not be installed
- (a) downstream of a Water Meter unless authorized by this Part; and
  - (b) in any location where the Auxiliary Water Meter measures Town Water Service that has by-passed a Water Meter.
- 26.2 Auxiliary Water Meters may be provided downstream of the Water Meter serving a Parcel or a Premises if
- (a) one additional meter is requested by an Owner for
    - (i) each dwelling unit in a residential building;
    - (ii) each unit in a non-residential building, or
    - (iii) a combination of dwelling units or non-residential units to enable calculating the water use of each of the units in a multi-unit building or the water use in two or more buildings on the same Parcel; and
  - (b) the Director authorizes the installation of the Auxiliary Water Meter and all the details of the installation in writing.
- 26.3 The Director may require that Auxiliary Water Meters be provided downstream of a Water Meter.
- 26.4 Unless otherwise required by the Director,
- (a) if the Director requires the installation of an Auxiliary Water Meter, the authorization or requirement must be included in a Planning Approval; and
  - (b) an Auxiliary Water Meter is owned by and is entirely the responsibility of the Customer or Owner of the Parcel on which the Auxiliary Water Meter is located.
- 26.5 Unless an Auxiliary Water Meter is authorized or required by the Director, the Director may require that an Auxiliary Water Meter be removed at the Customer's expense.
- 26.7 An Auxiliary Water Meter and the readings from an Auxiliary Water Meter must not be used to determine
- (a) any indebtedness owing to the Town for the Town Water Service supplied by the Town; and
  - (b) the volume of Town Water Service supplied by the Town in a Utility Billing Account.

**PART 27 – TURNING-ON OR OFF THE TOWN WATER SERVICE**

- 27.1 A Person must not Turn-On or Turn-Off Town Water Service to a Parcel unless that Person is
- (a) an Authorized Employee, or
  - (b) a Plumber acting in accordance with Section 27.3.
- 27.2 An Authorized Employee must not Turn-On Town Water Service to a Parcel unless the Authorized Employee is satisfied that
- (a) the Customer's Plumbing System is complete;





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- (b) a Water Meter and a Remote Reader have been installed if required; and
  - (c) a Safety Codes Officer has completed a final inspection of the Customer's Plumbing System if
    - (i) a new building or an addition to a building requiring plumbing has been constructed; or
    - (ii) alterations, renovations or modifications to an existing plumbing system have been carried out.
- 27.3 A Plumber may Turn-On or Turn-Off Town Water Service
- (a) to test piping in the case of a new installation;
  - (b) to replace or repair a valve or piping upstream of a Master Control Valve,
  - (c) to replace a Master Control Valve and associated piping; or
  - (d) in the event of an Emergency after normal business hours;
- provided that in the case of Subsection (a) above the Plumber must Turn-Off the Town Water Service by closing the Water Service Valve before leaving the work site at the completion of the Plumber's work.
- 27.4 If a Plumber turns Town Water Service on or off in accordance with Section 27.3, the Plumber must take reasonable care and carry out actions in a manner consistent with all applicable legislation, codes, standards and established industry best practices.
- 27.5 An Authorized Employee may Turn-Off Town Water Service to a Parcel without notice to a Customer when, in the opinion of the Director
- (a) an Emergency condition exists rendering such action necessary; or
  - (b) leaks from a Site Servicing Installation is a waste of water warranting remedy.
- 27.6 An Authorized Employee may Turn-Off Town Water Service to a Parcel without notice to a Customer if a Customer has been directed by an Authorized Employee to comply with this Bylaw and the Customer fails to comply with any provision of this Bylaw.

**PART 28 – FIRE HYDRANTS AND HYDRANT CONNECTIONS**

- 28.1 This Part does not apply to members of the Town's Fire Department acting in the course of their employment, or Authorized Employees or contractors of the Town carrying out duties relating to the flushing or maintenance of fire hydrants or the Town Water System.
- 28.2 All fire hydrants are the property of the Town unless the fire hydrant is located on
- (a) a Parcel that is owned by a Person other than the Town and the hydrant is for the exclusive use of that Parcel; or
  - (b) a bare land unit that is included in a condominium plan and the hydrant is for the exclusive use of the lands contained in the condominium plan;
- in which case the fire hydrant is a privately-owned fire hydrant.



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- 28.3 The provisions in this Bylaw respecting fire hydrants apply to all fire hydrants regardless of ownership unless otherwise stated.
- 28.4 Unless authorized by an Authorized Employee in writing, a Person must not
- (a) install a fire hydrant;
  - (b) open or close any fire hydrant or a fire hydrant valve;
  - (c) connect any device of any kind to a fire hydrant, including a pipe, hose, fixture, or appliance, subject to Section 28.5; or
  - (d) use water from a fire hydrant for any purpose other than fire protection regardless of whether or not the hydrant is located on private or public property, or in a Street or lane, subject to Part 31.
- 28.5 If a Water Service Connection provides a branch line to a fire hydrant, Town Water Service from that branch line may be used for purposes other than fire protection provided that
- (a) the branch line is equipped with a Water Meter;
  - (b) the design and construction of the branch line is satisfactory to the Director; and
  - (c) the branch line has been approved by the Director.
- 28.6 An Authorized Employee may enter a Parcel or a Premises owned by a Person other than the Town
- (a) to inspect private fire suppression systems and to require the Owner to undertake any repairs or maintenance that may be necessary to provide an operational system; and
  - (b) undertake such repairs or maintenance as required if the Owner neglects or refuses to undertake the necessary repairs or maintenance in which case the Town may recover all costs as a debt due to the Town under this Bylaw.

**PART 29 – PRIVATELY-OWNED FIRE HYDRANTS**

- 29.1 An Authorized Employee, a Planning Approval, a Safety Codes Officer or an authorization issued by the Town pursuant to the *Alberta Building Code* may require that a privately-owned fire hydrant be installed on a Parcel or Premises.
- 29.2 If a privately-owned fire hydrant is required pursuant to Section 29.1 above that hydrant must be installed at the Owner's expense and remain operational at all times.
- 29.3 All privately-owned fire hydrants must be
- (a) maintained by the Owner in accordance with the *Alberta Fire Code* and the terms and conditions as required by an Authorized Employee or a Planning Approval;
  - (b) painted and maintained in accordance with the Engineering and Servicing Standards; and
  - (c) fitted with a Backflow Prevention device to the satisfaction of the Director.





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- 29.4 If a privately-owned fire hydrant is broken, defective or unusable the Owner of that hydrant must
- (a) notify the Fire Department immediately; and
  - (b) service, overhaul or replace and test the hydrant to the satisfaction of the Director at the Owner's expense.

**PART 30 – OBSTRUCTING FIRE HYDRANTS**

- 30.1 Subject to the requirements of the *Alberta Fire Code*, where a fire hydrant is located on a Parcel or adjacent to a Parcel, an Owner or an Occupant of that Parcel must not allow
- (a) anything on the Parcel to interfere with the operation of a fire hydrant; and
  - (b) access to a fire hydrant to be obstructed in any manner including but not limited to an obstruction caused by
    - (i) parking a vehicle or trailer;
    - (ii) building, erecting or placing anything near a hydrant; or
    - (iii) allowing water, snow, ice, rubbish or other material to accumulate on or near a hydrant.
- 30.2 Where a fire hydrant is located on a Parcel or adjacent to a Parcel, an Owner or an Occupant of that Parcel
- (a) must maintain the following clearances as further described in Schedule "C":
    - (i) 2.0 meters on each side of a fire hydrant;
    - (ii) 1.0 meter from the back of a fire hydrant being that portion the hydrant which contains no outlets; and
    - (iii) at least 1.5 meters of vertical clearance and 2.0 meters of vertical clearance where possible;
  - (b) must not allow anything to be built, erected or placed within the clearances described in Subsection 30.2(a) above including but not limited to a fence;
  - (c) must not allow any plant other than grass to be planted within the clearances described in Subsection 30.2(a) above; and
  - (d) must maintain clearance on the front of the hydrant to the satisfaction of the Director in accordance with all applicable regulations, bylaws and specifications and Schedule "C".

**PART 31 – PERMISSION TO USE WATER FROM HYDRANTS AND  
HYDRANT CONNECTION UNITS**

- 31.1 The Director may
- (a) authorize the use of fire hydrants and the use of Town Water Service from fire hydrants on a temporary basis where no other supply of water can be obtained conveniently;



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- (b) require that Town Water Service pass through a Water Meter and a Cross Connection Control Device prior to use as a condition of using a fire hydrant or using water from a fire hydrant;
  - (c) require a Person authorized to use water pursuant to Section 31.1(a) above, to enter into a Hydrant Connection Unit Rental Agreement with the Town; and
  - (d) require the inspection of any vehicle and its equipment if the vehicle or its equipment will be attached to a fire hydrant, before connecting to and withdrawing any Town Water Service from a fire hydrant.
- 31.2 A Person authorized to use fire hydrant or draw water from a hydrant pursuant to Section 31.1(a)
- (a) must not break or allow to be broken a seal placed on the Hydrant Connection Unit;
  - (b) must pay the amount specified by Bylaw whether or not the water flows through a Water Meter; and
  - (c) is responsible for any damage caused to the fire hydrant by the Person resulting from its use.
- 31.3 A Person who fails to comply with the requirements of this Part commits an offence.

**PART 32 – WATER CONSERVATION AND ONCE-THROUGH  
COOLING EQUIPMENT**

- 32.1 For the purposes of this Part, a Low Flow Plumbing Fixture means all of the following:
- (a) a toilet with a total water usage of not more than 6.0 litres per flush, including both the tank and the bowl of the toilet;
  - (b) a urinal having a total water usage of not more than 3.8 litres per flush excluding urinals that flush automatically after an elapsed period of time regardless of the volume of water usage per flush;
  - (c) a showerhead having a rate of water flow of not more than 9.5 litres per minute;
  - (d) a lavatory or kitchen sink faucet having a rate of water flow of not more than 8.3 litres per minute; and
  - (e) public restroom faucet having a total water flow of not more than 1.9 litres per minute.
- 32.2 Section 32.1(c) does not preclude the installation of more than one valve in a shower stall or a bathroom.
- 32.3 Every Person responsible for the following must install Low Flow Plumbing Fixtures in the building subject to Section 32.4 below:
- (a) the construction of any the following:
    - (i) a new residential building regardless of the number of dwelling units contained in the building;



- (ii) a new industrial, commercial or institutional buildings; and
    - (iii) a building containing a combination of any of the above; or
  - (b) the renovation of a building that requires a plumbing permit and contains residential, industrial, commercial or institutional development.
- 32.4 A plumbing permit must not be issued if
- (a) the construction or installation does not comply with Section 32.3; and
  - (b) the terms and conditions of a contract that supplements the provision of Safety Codes Services requires the enforcement of this Bylaw by a Plumbing Safety Codes Officer.
- 32.5 Despite any provisions to the contrary, the Director may allow the installation of plumbing fixtures other than Low Flow Plumbing Fixtures
- (a) as operational needs allow; or
  - (b) under such other circumstances as the Director considers reasonable and appropriate.
- 32.6 An Owner or an Occupant of a Parcel must not allow the Town Water Service to run off that Parcel so that
- (a) a stream of water drains into a Street, lane, ditch or a drainage swale for a distance of 30 meters or more from the property line of the Parcel or any adjoining boulevard; or
  - (b) a stream or spray of water drains into or falls onto a Street, sidewalk, lane, an adjoining Parcel or directly into a catch basin in a wasteful manner in the opinion of an Authorized Employee,
- unless the stream or spray is authorized by the Director.
- 32.7 Despite any provision to the contrary, an Authorized Employee may discharge or authorize the discharge of Town Water Service onto a Street, lane, sidewalk or a Parcel for any of the following purposes:
- (a) health and safety;
  - (b) the installation, testing or maintenance of infrastructure or a utility;
  - (c) training programs for fire fighters employed by the Town; and
  - (d) such other purposes as the Director considers reasonable and appropriate from time to time.
- 32.8 For the purpose of this Part, Once-Through Cooling Equipment means cooling, air conditioning or refrigeration systems in buildings or in building systems and equipment which rely on the temperature of the water for cooling purposes and deliver water to a drain or other discharge fixture without recycling that water, but excluding emergency or back-up once through cooling systems.
- 32.9 A Person must not install or allow the installation of any Once-Through Cooling Equipment if that equipment is supplied by Town Water Service or connected in any manner to the Town Water System unless the Director authorizes such equipment in writing.



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**PART 33 – STANDARD AND SPECIAL OUTDOOR WATERING  
RESTRICTIONS – SCHEDULES “A” AND “B”**

- 33.1 The Standard Outdoor Watering Restrictions in Schedule “A” are in effect on May 1 and remain in effect until October 31 in a calendar year, unless
- (i) the Director imposes a Stage One, Stage Two, Stage Three, or a Stage Four Special Outdoor Watering Restriction in accordance with Part 10 and Schedule “B”; or
  - (ii) the Director imposes an alternate Special Outdoor Watering Restriction in accordance with Part 10.
- 33.2 During the period when the Standard Outdoor Watering Restriction is in effect, a Customer or an Owner must not use Town Water Service to water or irrigate outdoor vegetation unless the watering or irrigation is in accordance with Schedule “A”.
- 33.3 The public must be notified of the Standard Outdoor Watering Restrictions in accordance with Section 10.4.
- 33.4 A Special Outdoor Watering Restriction described in Section 33.1 above
- (a) applies to Town Water Service; and
  - (b) unless otherwise required by the Director, does not apply to water obtained from
    - (i) a spring, well, cistern; or
    - (ii) water supplied by the Western Irrigation District subject to Schedule “B”.

**PART 34 - REMEDIAL ORDERS AND RECOVERY OF COSTS**

- 34.1 If an Authorized Employee believes a Person has contravened any provision of this Bylaw, the Authorized Employee may issue a Remedial Order to the Person pursuant to Section 545 of the Act to remedy the infraction, without limiting the options described in the Act.
- 34.2 If a Remedial Order is issued to either an Owner or an Occupant of a Premises and the Person to whom the Remedial Order is issued fails to comply with the Order within the time specified in the Remedial Order, the Director may Turn-Off Town Water Service to the Premises.
- 34.3 If a Remedial Order is issued to the Owner of a Parcel or a Premises and if the Person to whom the Remedial Order is issued fails to comply with the Remedial Order within the time specified, an Authorized Employee may do anything required by the Remedial Order and the costs of doing so are an amount owing to the Town and may be added to the tax roll of the Parcel.
- 34.4 A Person to whom a Remedial Order is issued pursuant to this Bylaw who fails to comply with that Remedial Order or fails to comply with the time set out for compliance within that Remedial Order commits an offence.





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- 34.5 An Owner is responsible for all costs associated with any of the following:
- (a) the implementation of any measures taken, or required to be taken, by either the Owner or the Town to meet the requirements of this Bylaw; and
  - (b) damage or harm to the Town Water System or Town Water Service resulting from the Owner's contravention of the requirements of this Bylaw.

**PART 35 - PENALTIES**

- 35.1 A Person found guilty of an offence under this Bylaw is liable to a fine of not more than ten thousand dollars (\$10,000.00) or to imprisonment for not more than one year, or to both, pursuant to the Act.
- 35.2 A Person who contravenes any provision of this Bylaw is guilty of an offence, and liable to a fine, as stated
- (a) in Schedule "G" in the Utilities Rates and Penalties Bylaw; or
  - (b) in a bylaw that supersedes the Utilities Rates and Penalties Bylaw.
- 35.3 This Bylaw must not be construed as curtailing or abridging the right of the Town to obtain compensation or to maintain any action for loss of or damage to property from or against the Person responsible.
- 35.4 A Peace Officer is hereby authorized and empowered
- (a) to enforce the provisions of this Bylaw, and
  - (b) to issue a Violation Tag to any Person whom the Peace Officer has reasonable and probable grounds to believe has contravened any provision of this Bylaw.
- 35.5 If a Violation Tag is issued to a Person, the Tag must be issued by one of the following methods:
- (a) by issuing the Tag to the Person;
  - (b) by securely attaching it to the door of that Person's Premises; or
  - (c) by mailing it to that Person's last known mailing address.
- 35.6 A Violation Tag must state
- (a) the offence;
  - (b) the due date for payment of the penalty; and
  - (c) any other information as may be required by the Town.
- 35.7 If a contravention of this Bylaw is of a continuing nature, further Violation Tags may be issued by a Peace Officer, provided not more than one Violation Tag is issued for each day that the contravention continues.
- 35.8 If a Violation Tag is issued pursuant to this Bylaw, the Person to whom the Violation Tag is issued may pay to the Town the penalty specified on the Violation Tag in lieu of being prosecuted for the offence.
- 35.9 If the penalty specified in a Violation Tag is not paid within the prescribed time period, a Peace Officer is hereby authorized and empowered to issue a Violation



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Ticket pursuant to the *Provincial Offences Procedure Act, R.S.A. 2000, c. P-24*, as amended.

- 35.10 Nothing in this Bylaw prevents a Peace Officer from issuing a Violation Ticket immediately for the mandatory Court appearance of any Person who contravenes any provision of this Bylaw.

**PART 36 – ENFORCEMENT**

- 36.1 The CAO, the Director or a Peace Officer must enforce the provisions of this Bylaw.

**PART 37 – ENACTMENT**

- 37.1 This Bylaw comes into full force and effect upon third and final reading.

**READ A FIRST TIME THIS** 18th day of July, 2018.

**READ A SECOND TIME THIS** 18th day of July, 2018.

**READ A THIRD AND FINAL TIME THIS** 18th day of July, 2018

*Pat Fule*

**MAYOR**

*A/ Douglas S. Lys*

**CHIEF ADMINISTRATIVE OFFICER**





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**Schedule "A"**

**STANDARD OUTDOOR WATERING RESTRICTIONS**

**STANDARD RESTRICTION**

- A.1 Town Water Service must not be used to water or irrigate outdoor vegetation including lawns, gardens, shrubs and trees between the hours of 10:00 a.m. to 5:00 p.m. on any given day commencing on May 1 and remaining in effect until October 31 in a calendar year.

**EXEMPTIONS**

- A.2 Despite Section A.1 above

- (a) flowerbeds and vegetable gardens may be watered by hand anytime, using a watering can or a hose with a nozzle and a trigger shut off to restrict water flow;
- (b) sprinklers and water toys may be used for recreational purposes by children as long as the children are present during use; and
- (c) outdoor watering is allowed at any time immediately after seeding soil or laying sod.



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**Schedule "B"**

**SPECIAL OUTDOOR WATERING RESTRICTIONS**

ACTIVITY	APPLICATION METHOD	APPLICATION BY	STAGE ONE	STAGE TWO	STAGE THREE	STAGE FOUR
Watering of lawns, gardens, trees & shrubs	Irrigation with a sprinkler connected to a hose	All Customers except Town	One day per week for a maximum of <b>2 hours per day</b> within the hours of 4:00 a.m. to 10:00 a.m., or 5:00 p.m. to 10:00 p.m. (based on a Schedule as determined by the Director)	One day per week for a maximum of <b>1 hour per day</b> within the hours of 4:00 a.m. to 10:00 a.m., or 5:00 p.m. to 10:00 p.m. (based on a Schedule as determined by the Director)	Not Allowed	Not Allowed
		Town	Not Allowed	Not Allowed	Not Allowed	Not Allowed
	Irrigation through a Tier 1 Water System	All Customers	Allowed with Certificate from the Director. Must reduce watering program by 10%	Allowed with Certificate from the Director. Must reduce watering program by 10%	Allowed with Certificate from the Director. Must reduce watering program by 30%	Not Allowed
	Irrigation through a Tier 2 Water System	All Customers	Allowed with Certificate from the Director. Must reduce watering program by 15%	Allowed with Certificate from the Director. Must reduce watering program by 25%	Allowed with Certificate from the Director. Must reduce watering program by 35%	Not Allowed
	Spring-loaded type nozzles with automatic shut-off connected to a hose	All Customers	Allowed	Allowed	Not Allowed	Not Allowed
		All Customers	Allowed	Allowed	Allowed	Not Allowed





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**Schedule "B"**

ACTIVITY	APPLICATION METHOD	APPLICATION BY	STAGE ONE	STAGE ONE	STAGE THREE	STAGE FOUR
Watering of new grass planting (sod or seed) with reasonable evidence	Any	All Customers	Allowed	Allowed	Allowed	Not Allowed
Watering of plants for commercial sale	Any	Nurseries, garden centers, turf or tree farms & community gardens	Allowed	Allowed	Allowed	Allowed
Pesticide or fertilizer application that requires the use of drinking water	Any	All Customers	Not Allowed except with the written permission of the Director	Not Allowed except with the written permission of the Director	Not Allowed	Not Allowed
Testing of irrigation equipment	Not Applicable	All Customers	Not Allowed	Not Allowed	Not Allowed	Not Allowed
Washing sidewalks, walkways, driveways or other outdoor surfaces & the exterior of buildings	Any	All Customers except child care facilities, food & beverage establishments, kennels & animal care facilities if required by health & safety regulations	Not Allowed	Not Allowed	Not Allowed	Not Allowed
		Child care facilities, food & beverage establishments, kennels & animal care facilities if required by health & safety regulations	Allowed	Allowed	Allowed	Allowed



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**Schedule "B"**

ACTIVITY	APPLICATION METHOD	APPLICATION BY	STAGE ONE	STAGE TWO	STAGE THREE	STAGE FOUR
Manual exterior window washing	Any	All Customers except licensed cleaning services	Not Allowed	Not Allowed	Not Allowed	Not Allowed
		Licensed cleaning services	Allowed	Allowed	Allowed	Allowed
Washing of motor vehicles outdoors	Any	All Customers except vehicles subject to health & safety regulations	Not Allowed	Not Allowed	Not Allowed	Not Allowed
Washing of motor vehicles outdoors	Any	Customers washing vehicles in accordance with health & safety regulations	Allowed	Allowed	Allowed	Allowed
Filling of fountains & other decorative features	Any	All Customers	Not Allowed	Not Allowed	Not Allowed	Not Allowed
Filling of outdoor hot tubs, swimming & wading pools	Any	All Customers	Allowed	Allowed	Not Allowed except with the written permission of the Director	Not Allowed except with the written permission of the Director
Water use for construction including grading or compaction of soil & dust control	Any	All Customers	Allowed	Allowed	Allowed	Not Allowed
Outdoor snow or ice making	Any	All Customers	Allowed	Allowed	Not Allowed except with the written permission of the Director	Not Allowed except with the written permission of the Director





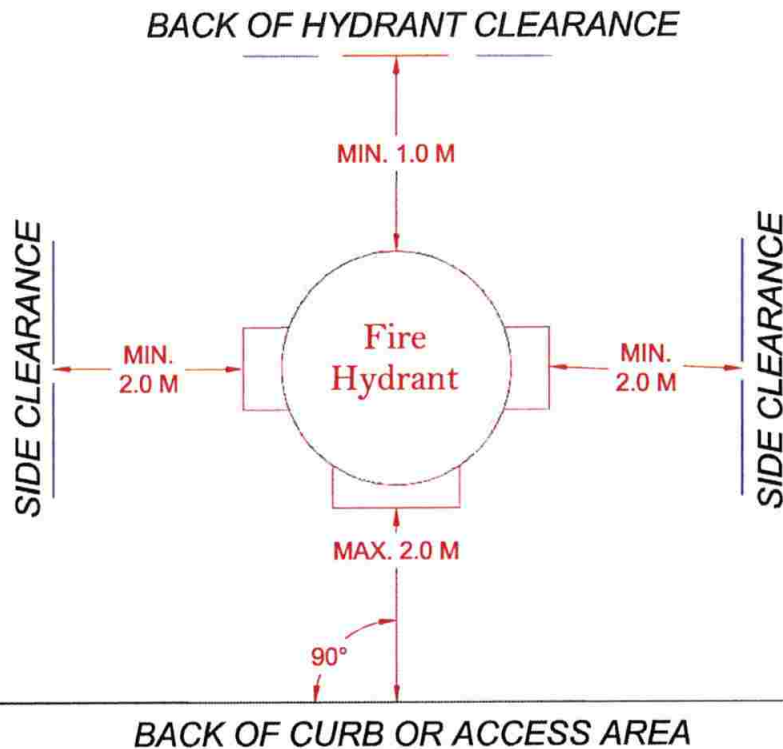
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**Schedule "B"**

<b>ACTIVITY</b>	<b>APPLICATION METHOD</b>	<b>APPLICATION BY</b>	<b>STAGE ONE</b>	<b>STAGE TWO</b>	<b>STAGE THREE</b>	<b>STAGE FOUR</b>
Watering livestock	Watering livestock	Any	Farm operations	Allowed	Allowed	Allowed
Essential hydrant, water main & sewer main flushing	Essential hydrant, water main & sewer main flushing	Not applicable	Town	Allowed	Allowed	Allowed
Essential street cleaning & bridge washing	Essential street cleaning & bridge washing	Any	Town	Allowed	Allowed	Allowed

Schedule "C"

**FIRE HYDRANT CLEARANCE**



# Fire Hydrant Clearance

Town of Strathmore

INFRASTRUCTURE AND DEVELOPMENT SERVICES

Created: APRIL 2018

Scale: N.T.S.

Units: Metric

Revision: 001

**NOTE:**

1. A minimum clearance of 0.60 m is required between the hydrant and the back of a curb or access area. This minimum clearance should be increased to not less than 1.0 m from a sidewalk. No parking is allowed in front of a fire hydrant.



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**Schedule "D"**

**TIER 1 AND TIER 2 WATER SYSTEM REQUIREMENTS**

**GENERAL PROVISIONS**

E.1 Tier 1 and Tier 2 Water Systems must

- (a) be connected to a Water Meter;
- (b) be assessed by a Certified Landscape Irrigation Auditor;
- (c) comply with the applicable Engineering and Servicing Standards; and
- (c) comply with all of the requirements in Table E1 below.

<b>TABLE E1 TIER 1 AND TIER 2 WATER SYSTEM REQUIREMENTS</b>		
<b>REQUIREMENT</b>	<b>TIER 1</b>	<b>TIER 2</b>
Rain Switch	<b>R</b>	<b>R</b>
Flow Sensor	<b>R</b>	<b>R</b>
Master Valve	<b>R</b>	<b>R</b>
Irrigation Meter	<b>R</b>	<b>R</b>
Audit Completed Annually	NR	<b>R</b>
Audit Completed Biannually	<b>R</b>	NR
Automatic Controller	NR	<b>R</b>
Central Controller	<b>R</b>	NR
Audited for System Efficiency	<b>R</b>	<b>R</b>
Estimated Time System Scheduling	<b>R</b>	NR
Real Time Weather Based Scheduling	NR	<b>R</b>

Note: R denotes required  
NR denotes not required