

THE CORPORATION OF THE TOWNSHIP OF MAPLETON

BY-LAW NUMBER 2015-120

Being a by-law to enact rules and regulations for the maintenance and operation of a system of water works in the Township of Mapleton and repeal By-Law Number 2009-056 and any amendments thereto.

WHEREAS Section 11 of the *Municipal Act, S.O. 2001*, as amended, provides that the Township may pass by-laws respecting matters within the Public Utilities Sphere (subsections 78-93), including water production, treatment, storage and distribution;

AND WHEREAS the municipality wishes to establish standards and procedures for the use of municipal water services.

AND WHEREAS this by-law applies only to Mapleton users receiving water from the Township of Mapleton's water supply systems and those for whom water from the Township of Mapleton's water supply system has been made available;

NOW THEREFORE the Municipal Council of the Township of Mapleton enacts as follows:

Part 1 DEFINITIONS

1.1 Definitions

In this by-law:

"authorized functions list" means the list of functions and the persons authorized to carry out such functions as set out in Appendix "A".

"authorized operator" shall mean a person or corporation, licensed under *The Safe Drinking Water Act* and authorized by the Township to operate, maintain, and repair the water works system.

"auxiliary water supply" means, when applied to any premises, any water supply on or available to the premises other than the Township water supply;

"AWWA" shall mean the American Water Works Association.

"backflow" means the flowing back of or reversal of the normal direction of flow of water.

"backflow prevention device" means a device that prevents backflow certified to the CSA Standard.

"building" shall mean a structure supplied with water by the Township of Mapleton;

"Township" shall mean the Corporation of the Township of Mapleton;

"compliance schedule" means the schedule by which owners will be required to submit cross-connection surveys for their property, or install appropriate backflow prevention devices.

“contractor” shall mean a person, partnership, or corporation who contracts to undertake the execution of work commissioned by the owner or the Township to install or maintain mains, service mains, services, hydrants and other appurtenances.

“cross connection” shall mean any temporary, permanent or potential water connection that may allow backflow or back-siphoning of contaminants, pollutants, infectious agents, other materials or substances that will change the water quality in the waterworks distribution system in any way, and includes swivel or changeover devices, removable sections, jumper connections, and bypass arrangements.

“cross connection control survey form” means a form acceptable to the Township containing information related to the types of cross connections and the method of protecting those cross connections within any building or structure. The form must also contain owner and contact information for the property.

“customer” shall mean any person who enters into a verbal or written contract with the Township to take water from the Township or to receive water related services from the Township.

“CSA” means the Canadian Standards Association.

“CSA - B64 Series Standards - B64.10-11/B64.10.1-11” shall mean Manual for the Selection and Installation of Backflow Prevention Devices / Manual for the Maintenance and Field Testing of Backflow Prevention Devices as published by the CSA, or any successor thereof.

“developer” shall mean the owner or party specifically named in a Development Agreement or in a Subdivision Agreement.

“Director” shall mean the Director of Public Works for the Township of Mapleton, or the Director’s authorized representative.

“external use of water” shall mean the use of water for any purpose outside the walls of any building located at a municipal address.

“main” shall mean every water pipe, except services and portions of private mains as herein defined, installed on the public road allowance or on any other land upon which the Township has obtained easements.

“minor hazard” means any cross connection or potential cross connection that constitutes only a nuisance that cannot create a danger to health.

“moderate hazard” means any cross connection or potential connection that has low probability of becoming a severe hazard.

“occupant” shall include any lessee, tenant, owner, the agent of a lessee, tenant or owner, or any person in possession of a premises.

“owner” shall include any person who or any firm or corporation that is the registered owner of the property under consideration or any agent thereof, a person entitled to a limited estate in land, a trustee in whom land is vested, a committee of the estate of a mentally incompetent person, an executor, an administrator or a guardian.

“OWWA” means Ontario Water Works Association.

“plumbing system” shall mean the system of connected piping, fittings, valves, equipment, fixtures and appurtenances contained in plumbing that begins, is located and is connected immediately after the meter.

“potable water” shall mean water that is fit for human consumption.

“premises” shall mean any house, tenement, building, lot or part of a lot, or both, in, through, or past which water service pipes run.

“premise isolation” means isolation of the water located within a building or structure from the Township’s water supply.

“private main” shall mean a pipe connected to a main and installed on private property and from which more than one service and/or hydrant lateral are connected.

“private water services” shall mean the portion of a water service pipe from the property line to the meter location, or to the inside of the exterior wall of a structure, i.e. an extension of a service stub.

“qualified person” means a person who is employed by a company that is licensed as a tester of backflow prevention devices.

“remote readout unit” shall mean any device which is used to record or transmit, or both, the water consumption reading of a water meter and may be installed at a separate location from the water meter but does not include the water meter register.

“selection guide” means the selection guide in the CSA Standard.

“service stub” shall mean the portion of a water service pipe from a main to the property line which will always include one shut-off valve.

“severe or high hazard” means any cross connection or potential cross connection involving any substances that can be a danger to health.

“shut-off valve” shall mean the valve on the water service or private main owned and used by the Township to shut off or turn on the water supply from the Township’s waterworks distribution system to any premises.

“source isolation” means isolation of the water located within or having flowed through a source or potential source of contamination within a building or structure including a device, machine, water system or the like, from any potable water system.

“test report” means a test report acceptable to the Township containing information related to the qualified person’s name, certification number, employer name, contact information, serial number of test kit and last calibration date of test kit. The test report must also contain the make, model, serial number, size, type, location, purpose, installation address and test results of the backflow prevention device. The form must also contain owner, occupant and contact information for the property;

“test tag” means a tag acceptable to the Township containing information related to the make, model, serial number, size, type, location, installation address and test history of the backflow prevention device.

“tester” means an individual who has been certified as a tester by the Ontario Water Works Association (within five years from date of issue) as a Cross Connection Control/Backflow Prevention Specialist.

“Township” means the Corporation of the Township of Mapleton and includes its employees, servants and agents.

“untreated water” means any water not subject to the requirements of the Safe Drinking Water Act, and/or water that is not under the direct control of the Township.

“water meter” shall mean an apparatus for measuring the quantity of water supplied to such premises by the Township and includes the piping that is part of the meter installation and wiring and dials for remote reading.

“water” shall mean potable water supplied by the Township.

“Township waterworks” shall mean any works for the collection, production, treatment, storage, supply and distribution of water, or any part of any such works, but does not include plumbing to which the *Building Code Act, 1997*, or any amendments thereto apply.

‘Township waterworks valves’ means all valves associated with the waterworks owned by the Township including shut off valves, main valves, and hydrant valves.

“zone isolation” means the isolation of the water located within an area of a building or structure from any potable water system located within such building or structure.

Part 2

MANDATORY CONNECTIONS

2.1 Requirement to Connect

The owner of a structure located on a property abutting right of way containing Township waterworks shall connect the structure to the Township’s waterworks to obtain water supply. The Township shall send notice to the owner with the requirement to connect. Within nine months of receipt of notice from the Township for the requirement to connect, the owner shall complete an application for a water service stub and private water service as per Part 4 and Part 5 of this by-law. The existing private water supply shall be abandoned to applicable regulations. In the case of private well(s), a copy of the abandonment well record is to be provided to the Township within nine months of receipt of the notice to connect. In specific circumstances, Township council may allow the use of a private well. These cases shall be approved through council resolution.

If the owner of a structure fails to make a connection to the Township’s water supply including abandonment of the existing private water supply required within nine months after the Township has sent notice to the owner requiring such connection to be made, upon notice, the Township will initiate monthly water billing at the Not Connected Flat Rate as per the Fees and Charges By-Law until the connection to the municipal water supply is made and active, upon which the billing will be updated with the constant consumption rate and base charge rate as per the Fees and Charges By-Law.

Part 3

OPERATION OF WATERWORKS

3.1 Conditions on water supply

The Township agrees to use reasonable diligence in providing a regular and uninterrupted supply and quality of water, but does not guarantee a constant service or the maintenance of unvaried pressure or quality of supply of water and is not liable for damages to the customer caused by the breaking of any private water service, service stub or attachment, or for shutting off of water to repair or to tap mains.

Where the Township deems it necessary, the Township may shut off water supply in an emergency, or impose water restrictions to safeguard the supply of water, and in any such case, the Township shall not be held liable for any damages incurred as a result.

When so requested in an emergency situation by the Township, every water customer shall limit or discontinue the use of water or boil the water as requested.

Where a Township owned and operated water supply service stub or main is in existence in the road allowance or on any other land upon which the Township has obtained easements adjacent to the premise, no private wells can be drilled following the date of passing of this by-law unless approved by the Director.

3.2 Authority for Water Supply

The Township in its own right shall have the sole responsibility, authority, power and capacity to construct, maintain and operate all waterworks plants and equipment within its boundaries servicing the Township, to establish whether and the terms upon which municipalities or persons outside the Township may be allowed to connect to the said waterworks as consumers, and the rates to be charged for water delivered to such consumers.

3.3 Authority of the Director

The Director is hereby authorized and directed to have general supervision over the installation, construction and maintenance of all waterworks in the Township, and it shall be his or her duty to see that all waterworks are installed, constructed and maintained in accordance with accepted practices, and all applicable legislation, including this by-law. No person shall obstruct or prevent the Director or any person duly authorized by the Director from carrying out any or all of the provisions of this by-law, nor shall any person refuse to grant the Director, or any person duly authorized, permission to inspect any waterworks at any reasonable time.

3.4 Access for inspection

The Township and persons authorized by the Township for inspection shall be, at all times, entitled to enter any lands for the purposes of examining pipes, connections and fixtures including water meter and remote readout units which are used in connection with the private water service. Where access is not provided, a written notice by the Township will be issued allowing fourteen (14) days to provide access. If access is not provided within this time frame, the Township may, at its discretion, shut off the supply of water to the premises until such time as the access is provided. Should the Township be required to shut off the supply of water due to denial of access, the Township will initiate monthly water billing at the Not Connected Flat Rate as per the Fees and Charges By-Law until the access is provided and the water service is reactivated.

3.5 Responsibility for protection, water loss, damage

All private water services shall be properly protected from frost and any other damage at the expense and risk of the owner of the property being serviced. The owner shall be responsible for the water loss occasioned by a leak in the private water services and/or private main and the charge for such water loss shall be determined by the Director, shall be paid by the owner upon demand by the Township, and the Township shall not be held responsible for any damages arising from such leakage.

3.6 Responsibility – water damage

Should the Township stop water supply to the premise, the customer is still responsible to pay for the service of water at the not connected flat rate as per the Fees and Charges by-law.

3.7 Renewal of service – Township – owner

The Township shall renew service stubs on public property at its expense and to its specifications when piping is deemed by the Director to be beyond repair;

Replacement pipe shall be the same size as existing or the minimum size for the area, but not less than 25 mm. If any owner requests a larger size at the time of a service renewal, the owner shall pay the difference in material cost.

3.8 Boilers

In all cases where range or steam boilers are supplied with water, it is understood and agreed that the Township will not be liable for any damage which may result to any person or premises or equipment caused by the shutting off of the water from any water main or service pipe for any purpose whatsoever, even in cases where no notice is given, or caused by uneven water pressure. All service pipe connections to boilers shall have a backflow prevention device to prevent water escaping back into the mains and suitable relief valves to relieve excess pressure.

Part 4**SERVICE STUBS, MAINS AND HYDRANTS****4.1 Application for Service Stub**

No person shall make any connection to the Township's water works system without first having obtained a building permit. Application for service stub shall be made when applying for a building permit to the Township in the form set out in Schedule "A". For the purposes of this by-law a semi-detached house or a townhouse shall be deemed a separate building and a separate water service stub is to be provided to each building. An apartment building (building divided into separate units) shall only be provided with one service stub from the main. A condominium shall be provided with a single water service stub unless the Township has approved or required additional service stubs, or the Township has requested ownership of the watermain within the condominium. In cases where Township has ownership of a watermain on private land within an easement, each detached house, semi-detached house, and townhouse shall have a separate meter for billing purposes. Not more than one service shall be placed in a condominium apartment for billing purposes.

All Industrial, Commercial, and Institutional properties shall be provided with a single water service stub unless the Director approves an alternate arrangement.

4.2 Installation – by Township

All service stubs, mains and hydrants installed on the public road allowance or on any other land upon which the Township has obtained easements shall be installed by the Township or by contractors engaged by the Township for the purposes of such installation, except in new land development projects where agreements with the Township require the developer to complete such work.

4.3 Installation – to Township specifications

All service stubs, mains and hydrants shall be constructed to the Township's Development Standards as approved by Council from time to time and in accordance with good engineering practice.

4.4 Maintenance – Township

The service stubs, mains and hydrants within the road allowance or on any other land upon which the Township has obtained easements shall be maintained by the Township at the Township's expense.

No person other than a person authorized by the Director for that purpose, in the normal performance of their duties shall be permitted to operate or perform maintenance on the Township waterworks. Mapleton firefighters in emergency situations only are permitted to operate or take water from any fire hydrant for emergency purposes. Any other use of a fire hydrant for water supply must be approved by the Director.

Part 5**PRIVATE WATER SERVICES, PRIVATE HYDRANTS, PRIVATE MAINS****5.1 Application for Private Water Service**

No person shall make any connection to the Township's water works system without first having obtained a building permit. Application shall be made when applying for a building permit to the Township in the form set out in Schedule "A"

5.2 Single Water Service

A detached house shall be supplied with a single water service. For the purposes of this by-law a semi-detached house or a townhouse shall be deemed a separate building with each building supplied with a single water service. For an apartment building consisting of multiple units a single water service to the water meter is required as the Township will only allow for one Township meter for billing purposes for apartment buildings. A condominium shall be provided with a single water service unless the Township has requested more services or has requested ownership of the watermain within the condominium. In cases where Township has ownership of a watermain on private land within an easement, each detached house, semi-detached house, and townhouse shall each have one meter for billing purposes. Not more than one service shall be placed in a condominium apartment for billing purposes.

All Industrial, Commercial, and Institutional properties shall be supplied with a single water service unless the Director approves an alternate arrangement. Where two services are required (one for domestic and one for fire) each will be reviewed on a case by case basis with requirement for water meters noted in Part 6 of this by-law.

No private water service shall be used to supply water to more than one registered lot unless approved by the Director.

5.3 Installation – by Owner

All private water service pipes, private hydrants and private mains shall be installed and maintained by the owner or by contractors engaged by the owner for the purposes of such installation.

5.4 Installation – to Ontario Building Code and Township specifications

5.4.1 All private water service pipes, private hydrants and private mains shall be constructed in accordance with Ontario Building Code as revised from time to time and Township's Development Standards as approved by Council from time to time and shall be approved by the Chief Building Official. Where the Ontario Building Code is silent, the Township's specifications shall prevail. Where Development Standards do not meet minimum Ontario Building Code requirements, the Ontario Building Code shall prevail.

5.4.2 All private water services shall be laid at least 1.8 meters (six feet) below the finished grade of area through which they are installed, and shall be properly protected from freezing.

5.4.3 All private water services and mains shall be of the same material as provided for in the Township's Development Standards as approved by Council from time to time.

5.4.4 All private water services shall be minimum of 25 mm (1 inch).

5.4.5 Private water services shall be properly laid and graded with a fall to a waste cock placed in the floor in the cellar or basement, or other convenient place so that all pipes within the building may be emptied by opening the faucet at the highest point therein and allowing air to enter the said pipes. In any buildings to which there is no basement, a stop

and waste cock shall be placed so that it is protected from frost, and so that the pipes may be conveniently drained. In all premises, sufficient space shall be allowed on the horizontal pipe for the installation of a water meter. The supply pipe from the private water service shall be check-valved before the supply enters any heating apparatus on the premises.

5.5.6 Private water service pipes in a building shall be located in the parts thereof best protected from frost. No private water service pipes shall be placed back of plaster on outside walls. In buildings where there is no cellar, the pipes shall be carried to or near the centre of the building or to an unexposed part thereof, previous to being carried upward. In all exposed situations, if it is necessary to protect the service pipes and fixtures from freezing, each pipe shall be properly insulated with two inch minimum thickness preformed polystyrene pipe insulation, and surrounded by a box constructed of some non-conductive material. The void spaces within the box shall be packed with a non-conducting material. It shall be the duty of the installer employed by the owner or agent to protect and guarantee from damage and from frost all work done by them.

5.5 Maintenance of private water services, private mains, and private hydrants
Any and all defects to the private water services, private mains or private hydrants shall be repaired by the owner of the property being serviced by a qualified person. Should the Township become aware of any such defect, and upon written notification to the owner, the said defect is not repaired, within fifteen (15) days of the date of the notification or within such time as the Director may deem necessary, then the Township may shut off the water supply to the property. The Township may, at its option, enter upon the lands of the owner and repair the defective private water services, private main or private hydrant and charge the cost to the owner and collect such cost in the same manner as taxes in accordance with section 446 of the *Municipal Act* and until paid, such cost shall remain a lien on such property, and may also be collected in the like manner as taxes. The Township shall not be held responsible for the cost of restoration.

Hydrants owned and paid for by any persons other than the Township shall be maintained by such persons through a written agreement with the Township. If the owner of a property who has an existing private hydrant fails to execute an agreement with the Township within 9 months after the Township has sent notice to the owner that an agreement does not exist, the Township will commence maintenance and charge the cost to the owner and collect such cost in the same manner as taxes in accordance with section 446 of the *Municipal Act*, and until paid, such cost shall remain a lien on such property.

Part 6 WATER METERS

6.1 Installation – to Ontario Building Code and Township specifications

- 6.1.1 The Township will supply water meters including the remote readout unit. All other materials are to be obtained by the Owner or by contractors engaged by the owner for purposes of such installation.
- 6.1.2 Every owner of a private water service that requires a water meter of nominal size larger than 25 mm (1 inch) shall provide a minimum of 6 weeks' notice for the Township to obtain said water meter size. Water meters shall remain the property of the Township, its successors and assigns. The charges set out for the water meter is outlined in the Fees and Charges By-Law as amended from time to time.
- 6.1.3 Not more than one meter shall be placed in each commercial building, industrial building, institutional, apartment, house or other structure for

billing purposes. For Semi-detached houses where each unit is supplied by a separate private water service pipe, one meter is required for each unit. For Townhouse blocks where each unit has a separate private water service pipe, water meters shall be provided for each unit. No more than one meter shall be placed for a condominium unless the Township has requested more than one service to the condominium in which an additional meter may be required or the Township has requested ownership of the watermain within the condominium. In cases where Township has ownership of watermain on private land within an easement, each house, semi-detached house, and townhouse where each unit has a separate private water service pipe shall each have one meter for billing purposes. Not more than one meter shall be placed in condominium apartment for billing purposes. All meters shall be installed prior to occupancy.

6.1.4 Where separate fire and domestic services are provided, water metering will be provided as follows:

- (a) An entirely metered service may be used for both domestic and fire service.
- (b) A combined service with meter on the domestic branch only may be used where the fire service is used solely for the supply of a closed circuit sprinkler system controlled by alarm valves or supervisory service
- (c) a combined service with standard meter on the domestic branch and a detector check valve of a type specified by the Director, which specification shall be based on sound engineering practice; on the fire service branch where the fire service branch supplies any open sprinkler system, standpipes, hose connection outlets, external fire hydrants or other outlets. In all cases involving metering of combined services, the meters shall be installed as close as practical to the point of branching.

6.1.5 No connections, other than for authorized fire protection use as noted in 6.1.4, shall be made on the street side of the Township's water meter. Connections must be made downstream of the water meter and the backflow prevention device where installed as per Part 7 of this by-law.

6.1.6 The water meter shall not be boxed in such a manner as to prohibit it being read, examined, or removed and shall be placed as close as possible to the entrance of the private service pipe into the premise.

6.2 Maintenance of water meter– Township

The entire cost of maintaining and repairing meters shall be paid for by the Township unless such meter is damaged by the owner or occupant of the property on which such meter is installed and in that event the owner of the property shall pay to the Township the cost of making the necessary repair or replacement to such meter.

If, in the opinion of the Director, the condition of the private water service and of the plumbing system on such piping is such that the meter cannot be safely removed for the purpose of testing, replacing, repairing or testing in place without fear of damage to the private water service the Director may require the owner or occupant to make such repairs as may be deemed necessary to facilitate the removal or testing of the meter at their expense. If, upon notification, the Owner does not comply with the request to make repairs, then the Water supply to the Premises may be turned off at the shut-off valve during removal, replacement, repair and testing of the meter and the Township shall not be held responsible for any damages to the Owner's premises arising from such work. Should the Township stop water supply to the premise, the customer is still responsible to pay for the service of water at the Not Connected Flat Rate as per the Fees and Charges By-Law until the access is provided and the water service is reactivated.

Any missed appointments for meter inspections, repairs, maintenance, or testing shall be charged a fee as specified in the Fees and Charges By-law.

6.3 Maintenance of water meter– Owner

The owner or occupant of a premises in which a water meter has been placed shall take all the reasonable precautions to protect such meter and its connections (including remote read-out and connecting wires) from injury by frost or otherwise, and shall at all times allow free access to such meter and connections by employees and authorized agents of the Township to perform their duties. Where any meter or its connections has been injured or interfered with, the owner or occupant shall be liable for the cost of putting the same in proper order and condition and the cost of so doing shall be immediately due and payable to the Township, and may be recovered in the same manner as taxes in accordance with section 446 of the *Municipal Act*.

Any leaks that may develop at the meter or its couplings must be reported immediately to the Township. The Township is not liable for damages caused by such leaks. If the owner reports that a meter or its couplings are leaking and it is determined that the meter or coupling is not leaking or is leaking from the private water service or plumbing system, a service call fee as specified in the Fees and Charges By-Law shall be applied to the water account.

Should any person change, tamper with or otherwise interfere, in any way whatsoever, with any meter placed in any building or property, the Director may forthwith, upon providing reasonable notice, shut off the water to such building or property, and the water shall not be turned on to such building or property without the express consent of the Director. Should the Township stop water supply to the premise, the customer is still responsible to pay for the service of water at the Not Connected Flat Rate as per the Fees and Charges By-Law.

In the event that an owner requests the Township to attend premises to inspect or repair a water meter, and upon inspection the water meter is determined to be functioning properly, a service call fee as specified in the Fees and Charges By-Law shall be applied to the water account.

6.4 Failure to Install Water Meter

All premises currently connected to the Township waterworks system without a water meter must have a meter installed immediately in accordance with the provisions of this bylaw.

If the owner to whom the Township has issued an order fails to comply with that order, the Director, at his/her discretion, may:

- (a) Give notice to the customer to allow the Township or its representative to install the water meter including remote readout unit within a specified time period and, if the notice is not complied with, the Director may then shut off the water service or services; or
- (b) Without prior notice, shut off the water service or services.
- (c) Give notice to the customer that a Not Connected Flat Rate as per the Fees and Charges By-Law will be charged to the customer for water usage.

Part 7

BACKFLOW PREVENTION AND CROSS CONNECTIONS

7.1 Protection from contamination

No person shall connect, cause to be connected, or allow to remain connected to the waterworks distribution system any piping, fixture, fitting, container or appliance, in any manner which under any circumstances, may allow water, waste water, non-potable water, or any other liquid, chemical or substance to enter the water works distribution system. The means for "protection from

contamination" shall be in accordance with the requirements of the *Ontario Building code Act, 1997* as amended from time to time.

Every owner of property of existing industrial, commercial, institutional and multi-residential buildings and structures, except buildings of residential occupancies as described in Division A, Article 1.1.2.4. of Ontario Regulation 350/06 (the Ontario Building Code) or any successor thereof shall ensure that a backflow prevention device is installed in respect of premise isolation, source isolation and zone isolation in every building or structure where a Township water supply or other potable water supply exists. Section 7 of this by-law also applies where a condition exists in any building or structure that may be hazardous or detrimental to the potable water supply backflow prevention device is to be installed.

7.2 Lawn irrigation system

Every owner of a lawn irrigation system shall ensure that a backflow prevention device is installed with respect of premise isolation including residential occupancies under Part 9 of the Ontario Building Code. Annual testing of the backflow prevention device is required as per section 7.8 of this by-law.

7.3 No auxiliary water supply connection

No person or owner shall connect, cause to be connected, or allow to remain connected any auxiliary water supply to the Township's water supply without written approval from the Township.

7.4 Access for inspection

The Township and persons authorized by the Township shall be, at all times, entitled to enter any premises for the purposes of inspecting compliance with the requirements of this Part. Where access is not provided, a written notice by the Township will be issued allowing fourteen (14) days to provide access. If access is not provided within this time frame, the Township may, at its discretion, shut off the supply of water to the premises until such time as the access is provided. Should the Township be required to shut off the supply of water due to denial of access, the Township will initiate monthly water billing at the Not Connected Flat Rate as per the Fees and Charges By-Law until the access is provided and the water service is reactivated.

When carrying out an inspection, the Township may:

- (a) Require copies or to view documents or things relevant to the inspection;
- (b) Require information from any person concerning a matter related to the inspection; and
- (c) Make examinations or take tests, samples or photographs necessary for the purposes of the inspection.

7.5 Order to install backflow prevention device

If a condition is found to exist which is contrary to section 7.1 and 7.2 of this by-law, the Township may immediately carry out an inspection and may issue such order or orders to the customer as may be required to obtain compliance with section 7.1 and 7.2 of this by-law.

7.6 Additional backflow prevention device

Notwithstanding sections of this by-law, where a risk of possible contamination of the water works distribution system exists in the opinion of the Director or an approved authority, a customer shall, on notice from the Township, install on his/her water service pipe a backflow prevention device, approved by the Township, in addition to any cross connection control devices installed in the customer's water system at the source of potential contamination.

7.7 Installation to required standards – CSA Standard

The installation, maintenance and field testing of backflow prevention devices shall be in accordance with the CSA Standard.

7.8 Installation, Repair, or Testing of Backflow Prevention Devices

Only persons listed in the Authorized Functions List shall carry out the corresponding functions set out in the list and shall be retained by the Owner. Every person installing a backflow prevention device shall ensure that:

- (a) such device is installed in accordance with manufacturers specifications and the requirements of the CSA Standard;
- (b) such device is located in such a manner so that in the event of backflow the device prevents contamination of the Township's water supply and any other potable water system;
- (c) where such device is installed in respect of premise isolation, such device is located downstream of the water meter, except where circumstances require the device to be installed upstream of the water meter and such location is to the satisfaction of the Township;
- (d) where such device is installed in respect of premise isolation, all piping between the water meter and such device is clearly labeled "no connection permitted";
- (e) where such device is installed in respect of source or zone isolation, all piping between the point of contamination and the point at which the device is located is labeled "non-potable water"; and
- (f) Every owner of property upon which a backflow prevention device is installed shall ensure that such device is in proper working order at all times.

7.9 Failure to install

If the customer to whom the Township has issued an order fails to comply with that order, the Director, at his/her discretion, may:

- (a) Give notice to the customer to correct the fault within a specified time period and, if the notice is not complied with, the Director may then shut off the water service or services and the Township will initiate monthly water billing at the Not Connected Flat Rate as per the Fees and Charges By-Law until the order is complied with and the water service is reactivated.; or
- (b) Without prior notice, shut off the water service or services and the Township will initiate monthly water billing at the Not Connected Flat Rate as per the Fees and Charges By-Law until the order is complied with and the water service is reactivated.

7.10 Testing of Backflow Prevention Devices

All backflow prevention devices shall be tested at the expense of the owner, upon installation, and thereafter annually and also when it is cleaned, repaired, overhauled or relocated, or more often if required by the Township. Every owner shall ensure that;

- (a) Testing is to be carried only by a person permitted to do so pursuant to the Authorized Function List.
- (b) The owner shall submit the completed test report on the form as approved by the Director of any and all tests performed on a backflow prevention device within fourteen (14) days of the test date.
- (c) In the event that the backflow prevention device is malfunctioning or otherwise not in proper working order, the owner shall have the device immediately repaired or replaced; and
- (d) In the event that the water supply to the device cannot be shut down in order to facilitate annual testing, the owner shall have a by-pass installed around the device with a suitable backflow prevention device to allow for annual testing of both devices.

Every person who tests a backflow prevention device shall:

- (a) Provide a legible and complete test report to the owner in respect of such test;
- (b) Complete and affix a test tag to the device or immediately adjacent to the device on the piping connected thereto. If test tag

is present, the tester is to re-confirm the device location, serial number, make, model, size and if there is no change, complete the test date, tester's name, certification number on the tag.

- (c) In the event that the backflow prevention device is malfunctioning or otherwise not in proper working order for a severe hazard, within 24 hours the tester is to notify the owner of the premise and the Township of such condition in writing.

7.11 Cross Connection Control Survey

Every owner of a building or structure of a type set out in section 7.1, every five years or as otherwise required by the Township, cause to be carried out a survey of each of his or her buildings and structures with respect to all existing cross connections and all existing and required backflow prevention devices. Every owner shall ensure:

- (a) The survey is to be carried out on a cross connection control survey form by a qualified person permitted to do so pursuant to the Authorized Function List in Appendix 'A'.
- (b) The owner shall submit a completed cross connection control survey form on the form as approved by the Director in within fourteen (14) days of the survey being conducted.
- (c) Additional cross-connection survey requests by the Township shall be completed along with survey form sent to the Township within thirty (30) days of the date of the request by the Township. The cross-connection survey report shall include existing backflow preventers and cross connections, corrective measures, recommendations, and a schedule of work to be completed.

7.12 Failure to test

If a customer fails to have a cross connection control device tested, the Township may notify the customer that the cross connection device must be tested within four (4) days of the customer receiving the notice. If the customer fails to have the device tested within the time allowed, the Director may shut off the water supply to the premises until the device has been tested and approved as required by this by-law.

7.13 Repair – replacement

When the results of a test referred to in section 7.10 or if the cross connection control survey referred to in section 7.11 of this by-law show that a cross connection control device is not in good working condition, the customer shall make repairs or replace the device within fifteen (15) days. If a customer fails to repair or replace the device within the time allowed, the Director may shut off the water supply until such repair or replacement has been made. Where the hazard is severe, at the Director's sole discretion, the water supply to the premise may be immediately shut off.

7.14 Removal of device – permission by Township

No person shall without the permission of the Township remove any cross connection control or backflow prevention devices installed as a requirement of this by-law.

Part 8

ACTIVATION OF WATER SUPPLY

8.1 Water Meter

Prior to activation of the water supply the water meter must be installed.

8.2 Private Water Service Testing for 25 mm (1 inch) or less

Private water services shall be tested in accordance with the Ontario Building Code as revised from time to time. The Township will open and close the curb stop for the purpose of the testing as required for a fee set out in the Fees and Charges By-Law.

8.3 Private Water Mains or Private Water Services greater than 25 mm (1 inch)
Private water mains and private water services greater than 25 mm are to be swabbed for 150 mm and greater, flushed, hydrostatic tested as per OPSS 441 and disinfected as per AWWA C651-05 Disinfecting Water Mains as revised from time to time. A commissioning plan shall be provided to the Township for review and approval prior to commencement of testing and disinfection. The Owner shall retain a professional engineer to witness all swabbing, flushing, hydrostatic testing and disinfection and provide a letter to the Township certifying that the main or service was tested as per OPSS 441 and disinfected as per AWWA 651. The letter shall be provided prior to the final connection. Samples for Bacteriological testing are collected by the Township for analysis. Two samples, 24 hours apart are required with no adverse results before the final connection can be made. All final connections to the Township waterworks are to be witnessed by the Township or persons authorized by the Township.

8.4 Fees
Prior to activation of the water supply all charges set out in the Fees and Charges By-Law shall be paid.

Part 9 USE OF WATER EXTERNALLY

9.1 Regulations – use of water

For the purpose of limiting the consumption of water as necessary:

- (a) During all months of the year, the external use of water is permitted:
 - (i) on even calendar dates at even numbered municipal addresses ending on 0, 2, 4, 6, 8;
 - (ii) on odd calendar dates at odd numbered municipal addresses ending on 1,3,5,7,9.
- (b) External use of water is only permitted between the hours of 7:00 am and 10:00 am, and again between 7:00 pm and 10:00 pm.
- (c) The Director is authorized to implement at any time any other regulation which he/she, in his/her discretion, considers advisable to limit the external use of water and this authority includes the right to ban completely the external use of water.
- (d) A temporary exemption to this regulation may be granted, in writing, on the prescribed form, by the Director to allow for watering in the designated areas for new grass seeding or sod. The exemption form is attached as Schedule 'D' of this by-law.

9.2 Violations

Any person who contravenes section 9.1 of this by-law shall be given written notice to comply. Any subsequent violations by the same person shall result in water to the affected premises being shut off without notice and the Township will initiate monthly water billing at the Not Connected Flat Rate as per the Fees and Charges By-Law until the violation is remedied, the applicable shut-off charge has been paid in full, and the water service is reactivated. Water shall not be turned on until the applicable shut-off charge has been paid in full.

Part 10 DISCONNECTION OF SERVICE

10.1 Application for Permanent Disconnection of Service

When an owner discontinues the use of a water service for water supply to a premise, the owner shall notify the Township in writing. Application for permanent disconnection of service shall be made in the form set out in Schedule "B".

10.2 Permanent disconnection – by Township

In cases requiring permanent service disconnection, the water service pipe must be disconnected at the property line, the service plugged, and the curb

box and rod and water meter removed at the owner's expense. All work must be performed by the Township, or its authorized agent.

10.3 Access – removal – inspection

Where a consumer discontinues the use of the water service, or the Township lawfully refuses to continue any longer to supply it, the Director may, at all reasonable times, enter the premises in or upon which the consumer was supplied with the water service, for the purpose of cutting off the supply of the water service or of making an inspection from time to time to determine whether the water service has been or is being unlawfully used or for the purpose of removing therefrom any fittings, machines, apparatus, meters, pipes or other things being the property of the Township in or upon the premises, and may remove the same therefrom, doing no unnecessary damage.

Part 11

WATER RATES AND CHARGES

11.1 Service Connection Fee

Where a property owner requires and requests a service connection, a service connection fee shall be levied and is required to be paid at the time of issuance of the building permit at the rates as determined by by-law from time to time.

11.2 Temporary cessation of water service

Where a property owner requires and requests a temporary service disconnection, the Director may approve same upon receipt of a written request from the property owner. During the time period covered by this request, the service will be shut off, and a minimum monthly charge as determined by the Fees and Charges Bylaw will apply. A temporary disconnection fee will also apply as set in the Fees and Charges Bylaw. Application for temporary disconnection of service shall be made in the form set out in Schedule "B".

Where no disconnection of the service is possible, temporary cessation will not be permissible.

11.3 Water Rates

Customers will pay for the service of water at the current rates as set out by by-law. Payment of the amount due is payable by the due date indicated on the invoice.

11.4 Reading and/or billing

All accounts will be rendered monthly, bi-monthly, or any other basis, at the discretion of the Township, to the property owner. An account shall be deemed to be served upon the owner if it is delivered or sent by mail to the address of the premises supplied with water or to an alternate address supplied by the property owner.

11.5 Overdue notice

When an account is not paid by the due date stated on the bill, an overdue notice will be sent by mail reminding the customer of the outstanding account. An interest charge determined from time to time by by-law will be charged monthly on outstanding amounts on the day after the due date.

11.6 Non-payment – Reminder and Notice of Disconnection

In the event a utility bill rendered, whether for water service pipes, meters, service charges or any other monies to which the Township may apply remains unpaid fifteen (15) days after the due date, the Township shall deliver or cause to be delivered a notice of disconnection to the service address, advising the customer that if the account remains unpaid (10) ten days from the date of the reminder notice, services will be disconnected. Services will not be restored until all outstanding balances are paid including reconnection charges as determined by by-law. Where a rental unit cannot be shut off separately from the main service connection, the unpaid balance shall immediately be applied

as a lien on the property in accordance with the procedures permitted by Section 81 of the Municipal Act, S.O. 2001.

11.7 Non-payment – lien on property

As an alternative to disconnecting the service and in the event a utility bill rendered, whether for water service pipes, meters, service charges, or any other monies to which the Township may apply remains unpaid, such charges may at the discretion of the Township, become a lien on the property where they have been incurred by the owner of the property and may be collected in accordance with the procedures permitted by Section 398(2) of the *Municipal Act, S.O. 2001*.

11.8 Reconnection – charge

Where it has been necessary to discontinue service as a result of non-payment, a reconnection charge as determined by by-law from time to time will be levied against the delinquent account, in addition to any applicable charges.

11.9 Service Stub installation charge

All water service pipes, except those to lands being developed under a Township development or subdivision agreement wherein the main is installed, will be installed at a rate determined by by-law from time to time.

11.10 Temporary water supply from fire hydrant – application and charge

Where a customer requires a temporary water supply, such customer shall apply to the Township for a connection to a fire hydrant. If this connection is approved, the customer shall pay, prior to connection, a fee and rate as per the Fees and Charges Bylaw. The customer shall obtain a backflow metering assembly unit which includes a lockable gate valve, hydrant meter and backflow preventer. The customer shall supply to the Township a passed Backflow Prevention Device Test Report prior to obtaining water supply. The Township reserves the right to refuse the use of a fire hydrant for temporary water supply. Application for temporary water supply from a fire hydrant shall be made in the form set out in Schedule "C".

11.11 Temporary water supply from water service pipe during construction – application and charge

After the private water service pipe has been inspected by the Township Building Department, the customer may request temporary use of the supply for construction. If the use is approved, the customer shall pay a flat rate monthly fee until an occupancy permit is issued. For residential premises where the degree of hazard is minor the supply source by means of a hose bib shall be equipped with a backflow preventer (hose connection vacuum breaker). For premises where the degree of hazard is moderate or severe, a backflow prevention device shall be installed with a Backflow Device Test Report submitted to the Township. Application for temporary water supply from a water service pipe shall be made in the form set out in Schedule "C". The temporary water supply from the water service pipe during construction is intended to provide water for the building being constructed on the same lot. The water supply will be turned off should the water be used for a building being constructed on another lot without approval from the Director. Should approval be granted, the fee as per the Fees and Charges By-law will be waived but the monthly flat billing will be adjusted based on the number of buildings using the temporary supply.

11.12 Temporary deactivation of water meter during construction – application and charge

In the event a water meter is required to be deactivated for purposes of construction the owner will remain responsible for the cost of the service and the consumption of water. The water consumption will be prorated based upon the lowest monthly consumption of the past 6 months of representative water readings. If 6 months of representative water readings are not available it will be based upon the last full month prior to deactivation and first full month following reactivation.

11.13 Service Call Request

A minimum fee as set out in by-law will be levied to any property owner requesting a service call if the problem is found to be on the owner's property. Any involvement of the Township in the repair of services on private property shall be billed to the property owner on a time and material basis.

11.14 Accuracy of Water Meters

Any water user having doubts as to the accuracy of the water meter installed on his or her premises may request that the meter be tested by the Township subject to payment of the applicable deposit. If the meter is found to be accurate within five (5) percent (+ or -), the deposit will be forfeited to the Township. If not, the deposit will be returned and adjustments will be made to the subject account.

Where the water meter is equipped with a remote read out unit of any type and a discrepancy occurs between the reading at the register on the water meter itself and the reading on the read out device, the Township will consider the reading at the register to be correct, and will adjust and correct the customer's account accordingly for billing purposes. It is the responsibility of the owner to check periodically the reading of the remote read out unit outside against the register on the meter inside.

If, for any reason a Meter shall be found to not be working properly, then the amount of Water Usage Charge shall be estimated based on the average reading for the previous months, when the Meter was working properly, or, if unavailable or proven inaccurate, the amount of Water Usage Charge shall be estimated on a daily average when the Meter is working properly, and the Water Usage Charge for the period during which the Meter was not working properly shall be based thereon.

11.15 Retroactive refund of billing errors

Any refund for previous water charges collected shall be the lesser of either payments for 1 year prior to the discovery of the error; or, the duration of the current account. The refund shall be in accordance with the Township's rate schedule in effect at the time.

11.16 Water System Rates for Non-connected Properties

A property where Township waterworks are available for connection but are not connected and obtain their water from a private supply shall pay a minimum Not Connected Flat Rate as set out in the Fees and Charges Bylaw. The rate only applies to properties where a main is present in the road allowance or on any other land upon which the Township has obtained easements or owns.

**Part 12
PROHIBITIONS****12.1 Prohibitions under this by-law**

No person shall:

- (a) willfully hinder or interrupt, or cause or procure to be hindered or interrupted, the Township or any of its officers, contractors, agents, servants or workers, in the exercise of any of the power conferred by this by-law;
- (b) willfully let off or discharge water so that the water runs wasteful or useless out of the works;
- (c) being a customer, tenant, occupant or inmate of any house, building or other place supplied with water from the waterworks, improperly waste the water or, without the written permission of the Township, lend, sell, or dispose of the water, give it away, permit it to be taken or carried away, use or apply it to the use or benefit of another, or to any use and benefit other than his/her own or increase the supply of water agreed for;
- (d) without lawful authority willfully open or close any valve or hydrant;

- (e) without lawful authority willfully obstruct the free access to any waterworks valves, service stubs, mains by placing on it any building material, rubbish or other obstruction;
- (f) willfully alter any meter placed upon any service pipe or connected therewith, with or without any building or other place, so as to lessen or alter the amount of water registered;
- (g) lay or cause to be laid any pipe or main to connect with any pipe or main of the waterworks, or in any way obtain or use the water without the consent of the Township; or
- (h) use water externally at any time of the year except in accordance with the regulations set out in Part 9 of this by-law.
- (i) enter any prohibited, fenced, or enclosed area of the water works owned by the Township.
- (j) contaminate the waterworks or allow the waterworks to be contaminated.
- (k) obtain water from the waterworks that has not passed through a water meter.
- (l) have an auxiliary water supply without written approval from the Township.
- (m) have a water service without backflow prevention device if required as per Part 7 of the by-law.

Part 13 ENFORCEMENT

13.1 Fine – for contravention

Any person who contravenes any provision of this by-law, upon conviction, is guilty of an offence and is liable to any penalty as provided in the *Provincial Offences Act* and on conviction is liable to a fine of not more than \$5,000 exclusive of costs.

13.2 Offence – additional – damage to waterworks

Every person who, by act, default, neglect or omission occasions any loss, damage or injury to any water works, or to any waterworks plant, machinery, fitting or appurtenance thereof is liable to the Township for any and all costs to restore the damage or injury to its original condition.

13.3 Offence – additional – willful damage

Every person who willfully, or maliciously damages or causes or knowingly suffers to be damaged any water meter, water service pipe, conduit, wire, rod or water fitting belonging to the Township or willfully impairs or knowingly suffers the same to be altered or impaired, so that the water meter indicates less than the actual amount of the water that passes through it, is guilty of an offence and on conviction is liable to a fine of not more than \$5,000 exclusive of costs, to the use of the Township, and for any expenses of repairing or replacing the water meter, water service pipe, conduit, wire, rod or fitting and double the value of the surplus water so consumed, all of which is recoverable under the *Provincial Offences Act*.

Part 14 PREVIOUS BY-LAWS REPEALED

14.1 Repeal – previous by-laws

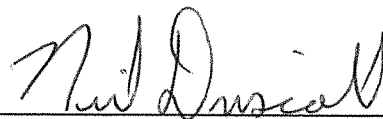
By-law 2006-50 of the Township of Mapleton is hereby repealed.
By-law 2009-056 of the Township of Mapleton is hereby repealed.

Part 15
EFFECTIVE DATE

15.1 Effective date

This By-law shall come into force and effect on the third and final reading of the by-law.

READ a first, second and third time and finally passed this 10th day November, 2015.



Mayor Neil Driscoll



Clerk Brad McRoberts

TOWNSHIPOF MAPLETON

BY-LAW NUMBER 2015-120

SCHEDULE 'A'

**WATER SERVICE APPLICATION
SUBMIT WITH BUILDING PERMIT APPLICATION**

To be filled out by Applicant:

NAME OF APPLICANT: _____

BILLING ADDRESS OF APPLICANT: _____

TELEPHONE NUMBER: _____

MUNICIPAL ADDRESS OF PREMISE: _____

COMMENCEMENT DATE OF SERVICE: _____

EMAIL ADDRESS (if available): _____

WATER METER SIZE REQUIRED

- 25 mm(1 inch) is standard size
- For water meters greater than 25 mm (1 inch) are special order and require minimum 6 weeks

SIZE NEEDED (mm)

BACKFLOW PREVENTION DEVICE(S) REQUIRED

- Refer to Part 7
- Not supplied or installed by the Township. Owner retains qualified person authorized to install backflow preventers as per Authorized Function List – Appendix A of this by-law
- In addition to the requirements in Part 8 for activation of water supply, if backflow prevention device is required as per Part 7. A cross connection control survey and backflow testing report is to be provided to the Township before activation of supply

YES OR NO

To be filled out by Township staff:

LEGAL NAME OF OWNER(S)
PER ASSESSMENT ROLL: _____

ASSESSMENT ROLL NO.: _____

Signature of Applicant(s) _____ Date: _____

Signature of Owner(s) _____ Date _____

Application Approved By
(Director of Public Works) _____ Date: _____

SCHEDULE 'B'

DISCONNECTION OF WATER SERVICE APPLICATION

To be filled out by Applicant:

NAME OF APPLICANT: _____

BILLING ADDRESS OF APPLICANT: _____

TELEPHONE NUMBER: _____

MUNICIPAL ADDRESS OF PREMISE: _____

COMMENCEMENT DATE OF SERVICE: _____

EMAIL ADDRESS (if available): _____

PERMANENT DISCONNECTION

REASON: _____

REQUESTED DATE (month, day, year): _____

TEMPORARY DISCONNECTION

REASON: _____

REQUESTED DATE FOR WATER SHUTOFF (month, day year) _____

REQUESTED DATE FOR WATER TURNED ON (month, day year) _____

To be filled out by Township staff:

LEGAL NAME OF OWNER(S)
PER ASSESSMENT ROLL: _____

ASSESSMENT ROLL NO.: _____

Signature of Applicant(s) _____ Date: _____

Signature of Owner(s) _____ Date _____

Application Approved By
(Director of Public Works) _____ Date: _____

SCHEDULE 'C'

TEMPORARY WATER SUPPLY APPLICATION

To be filled out by Applicant:

NAME OF APPLICANT: _____

BILLING ADDRESS OF APPLICANT: _____

TELEPHONE NUMBER: _____

EMAIL ADDRESS (if available): _____

COMMENCEMENT DATE OF TEMPORARY SUPPLY (month, day, year): _____

COMPLETION DATE OF TEMPORARY SUPPLY (month, day, year): _____

FROM A HYDRANT

REASON: _____

LOCATION OF HYDRANT: _____

The customer shall obtain a backflow metering assembly unit which includes a lockable gate valve, hydrant meter and backflow preventer. The customer shall supply to the Township a passed Backflow Prevention Device Test Report prior to obtaining water supply. Any operation of any valve or hydrant without lawful authority is prohibited under this by-law.

FROM A WATER SERVICE PIPE DURING CONSTRUCTION

REASON: _____

ADDRESS: _____

The customer shall have the water service pipe inspected by the Township Building Department before use. For residential premises where the degree of hazard is minor the supply source by means of a hose bib shall be equipped with a backflow preventer (hose connection vacuum breaker). For premises where the degree of hazard is moderate or severe, a backflow prevention device shall be installed with a Backflow Device Test Report submitted to the Township. Any operation of any valve or hydrant without lawful authority is prohibited under this by-law.

To be filled out by Township staff:

LEGAL NAME OF OWNER(S)
PER ASSESSMENT ROLL: _____

ASSESSMENT ROLL NO.: _____

Signature of Applicant(s) _____ Date: _____

Signature of Owner(s) _____ Date: _____

Application Approved By
(Director of Public Works) _____ Date: _____

SCHEDULE 'D'

WATERING EXEMPTION

A temporary exemption to the Bylaw pertaining to Mapleton Maintenance and Operation of a Waterworks System is granted to:

NAME: _____

PROPERTY LOCATION: _____

For watering at the above address for

the period _____ a.m. to _____ p.m.

from _____ to _____ ONLY.

Date

Authorized Official

NOTE:

Any contravention of this temporary exemption will result in its immediate withdrawal and the above noted property will come immediately under the provisions and penalties of Mapleton By-Law **2015-120**.

SCHEDULE 'E'

PENALTIES

Violations as listed are subject to the following specified penalties:

Section	Violation	Penalty
12.1 (a)	willfully hinder or interrupt, or cause or procure to be hindered or interrupted, the corporation or any of its officers, contractors, agents, servants or workers, in the exercise of any of the power conferred by this by-law	\$300.00
12.1 (b)	Waste Water	\$150.00
12.1 (c)	Sell or Supply water to others	\$150.00
12.1 (d)	Open or close any shut off valve or hydrant	\$500.00
12.1 (e)	Obstruct the free access to any hydrant, shut off valve or pipe by placing on it any building material, rubbish or other obstruction	\$300.00
12.1 (f)	Alter water meter to lessen or alter the amount of water registered	\$300.00
12.1 (g)	Connect with any pipe or main of the waterworks, or in any way obtain or use the water without the consent of the Township	\$300.00
12.1 (h)	Use water externally at any time of the year except in accordance with the regulations set out in Part 9 of this by-law.	\$150.00
12.1 (i)	Enter any prohibited, fenced, or enclosed area of the water works owned by the Township.	\$300.00
12.1 (j)	Contaminate the waterworks or allow the waterworks to be contaminated.	\$350.00
12.1 (k)	Obtain water from the waterworks that has not passed through a water meter.	\$300.00

In all situations as noted above, in addition to the penalty, the offender shall be responsible for any costs incurred, including but limited to, when applicable, administrative and operational costs, damaged equipment/appurtenances, professional fees, and the costs of any water consumed, wasted, or otherwise utilized.

TOWNSHIP OF MAPLETON

BY-LAW NUMBER 2015-120

APPENDIX 'A'

AUTHORIZED FUNCTION LIST

	Authorized Function	Professional engineer with tester's licence	Certified engineering technologies with tester's licence*	Licences master plumber with contractor's and tester's licence	Journeyman plumber with tester's licence**	Apprentice plumber with tester's licence***	Fire system sprinkler fitter with a tester's licence	Lawn irrigation system installer with tester's licence	Certified Water Operator with tester's licence
1	Carry out cross connection survey	✓	✓	✓	✓				
2	Install, Relocate, or replace backflow preventer			✓	✓	✓			
3	Repair backflow preventer	✓	✓	✓	✓	✓			
4	Test backflow preventer	✓	✓	✓	✓	✓			✓
5	Complete Items 1, 2, 3, 4 in relation to fire protection systems	✓	✓	✓	✓	✓	✓		
6	Complete 3 and 4 in relation to lawn sprinkler systems	✓	✓	✓	✓	✓		✓	

*Required to be under the direction of a professional engineer

**Required to be employed by a licenced plumbing contractor or licenced fire sprinkler contractor

***Required to be employed by a licenced plumbing contractor and under the direct supervision of a journeyman plumber or master plumber