

BY-LAW #13/15

OF THE

RURAL MUNICIPALITY OF ROCKWOOD

Being a By-Law of the Rural Municipality of Rockwood to regulate the Gunton Utility System.

WHEREAS, pursuant to Section 232(1)(L) of The Municipal Act SM. 1996, c.58 – Cap.M225, a municipality is given power to regulate and control its Utility system;

AND WHEREAS the Council of the Rural Municipality of Rockwood deems it expedient and desirable to regulate the Utility System installed in Local Improvement District No. 3, the Gunton Sewer & Water Utility System shall hereinafter be referred to as the "Utility System";

NOW THEREFORE the Council of the Rural Municipality of Rockwood, duly assembled in Council, enacts as follows:

1. In this By-Law the following terms shall have the following meaning:
 - (a) "**Biochemical Oxygen Demand**" (BOD₅) means the quantity of oxygen expressed in milligrams per litre, utilized in the biochemical oxidation of organic matter under standard laboratory conditions for five (5) days at a temperature of 20 degree Celsius. The laboratory determinations shall be made in accordance with procedures set forth in "Standard Methods".
 - (b) "**Body of Water**" includes any brook, creek, stream, river, lake, pond, waterway, watercourse, canal, or other flowing or standing water, whether natural or man-made.
 - (c) "**Building**" shall mean any building used for residential, educational, religious, recreational, industrial, or commercial use.
 - (d) "**Coliform Count**" means the number of all coliform bacteria and expressed in number of coliform bacteria per 100 millilitres of solution, as determined in accordance with "Standard Methods".
 - (e) "**Colour**" means the appearance of the wastewater and includes not only colour due to substances in solution but also that due to suspended matter. Determination shall be accordance with "Standard Methods" as defined under "apparent colour".
 - (f) "**Commercial**" means a business / organization involved in the trade of goods, services or both to consumers.
 - (g) "**Cooling Purposes**" means to reduce the temperature of the interior of a building or processing equipment such as air conditioning.
 - (h) "**Cubic Meters**" means metric cubic meters.
 - (i) "**Designated Officer**" means the Utilities Manager of the Municipality or such other person, who is certified for both water and sewer, as may be authorized in writing by said Manager or the Council of the Rural Municipality of Rockwood to exercise some or all of the powers vested in him by this By-Law.
 - (j) "**Garbage**" means solid wastes from the preparation of cooking and/or dispensing of food, and/or from handling, storage and/or sale of produce, and/or from food processing.

- (k) "**Grease**" means fats, waxes, oils, and any other non-volatile material determined in accordance with procedures contained in "Standard Methods".
- (l) "**Industrial**" means a business / organization involved in manufacturing / assembling of products.
- (m) "**Inorganic**" means being or composed of matter other than plant or animal.
- (n) "**Local Improvement District No. 3**" (L.I.D. No. 3) shall mean the area covered by L.I.D. #3, being the Townsite of Gunton.
- (o) "**Milligrams per litre**" (mg/l) shall mean the ratio of weight of solid matter per unit volume of liquid matter.
- (p) "**Municipality**" means the Rural Municipality of Rockwood or their designated representative.
- (q) "**Odour**" means a quality factor affecting the acceptability of water, determined by qualitative descriptions and approximate quantitative measurements in accordance with "Standard Methods".
- (r) "**Person**" means any person, firm, partnership or corporation, or any trustee, manager, or other person either individually or jointly with others, owning or occupying any building or place to which this By-Law applies, and shall also include any agent, workman, servant, or employee of such person, firm, partnership, or corporation.
- (s) "**pH**" means the logarithm, to the base of 10 of the reciprocal of the hydrogen ion concentration in moles per litre. pH shall be determined by one of the procedures outlined in "Standard Methods".
- (t) "**Phenols**" are trace organic compounds which cause taste problems in drinking water, and are commonly produced by industrial applications. Determination shall be accordance with "Standard Methods".
- (u) "**Properly Shredded Garbage**" means the wastes from the preparation, cooking, or dispensing of food, and/or food processing that has been shredded to such a degree that all particles will be carried freely under the flow conditions normally prevailing in sewers, with no particle greater than one-quarter inch in any dimension.
- (v) "**Sewage**" means human body, toilet, liquid, water borne culinary, sink, or laundry waste, or wastewater of any kind, and, without limiting the generality of the foregoing, includes domestic, commercial, and industrial wastewaters, but does not include rain water, natural run-off, or water used exclusively for cooling purposes.
- (w) "**Standard Methods**" where used in this By-Law means the analytical and examination procedures set forth in the current edition of "Standard Methods for the Examination of Water and Wastewater" as published jointly by the American Public Health Association, the American Water Works Association, and the Water Pollution Control Federation. When "Standard Methods" does not contain an applicable test or analysis, or where more than one procedure is given in "Standard Methods", the method used shall be as required by the Designated Officer.
- (x) "**Sullage Pit**", also known as Holding Tank, Seepage Pit or Soak Pit, is used for mechanized sludge removal from septic tanks and lined latrine pits.
- (y) "**Utility System**" means the Sewer & Water Utility System for Local Improvement District No. 3 (L.I.D. No. 3).

2. The provisions of this By-Law shall apply to all property located within the limits of L.I.D. No. 3 (Local Improvement Plan #01/09) of the Municipality, unless the provisions of this By-Law indicates otherwise.
3. No person shall connect to the Utility System located in Gunton without first obtaining a Permit from the Municipality. There shall be a fee payable for such Permit, and such fee shall be established by the Municipality and amended from time to time.
4.
 - a) Any building located within L.I.D. No. 3 which is used or designed for human habitation, employment or recreation or any building used for commercial or industrial purposes wherein water is required and sewage is generated must be connected to L.I.D. No. 3 Utility System.
 - b) No person shall be permitted to drill a well on property located in L.I.D. No.3.
 - c) Any property owner who presently has a well-functioning upon their property will be permitted to retain such water system for the purposes of watering lawns only and no such water system shall be used for household purposes or watering vegetable/fruit gardens.
5. No person shall connect by any means whatsoever an independent water supply to the Water Distribution System of L.I.D. No. 3. For the purposes of this paragraph, Water Distribution System includes all water supply lines of any nature whether on private or municipal property and includes all lines within a building.
6.
 - a) Only the Municipality or its authorized representative shall be allowed to make connections to the Utility System. Any party wishing to connect to the Utility System must apply in writing to the Municipality and pay a service connecting fee, said fee to be determined annually by Resolution of Council, which shall represent the cost of installing the Utility lines from the main lines to the closest edge of the applicant's property.
 - b) Connections the Utility mains must be performed by a contractor certified to the system certifications. Example: Level II Distribution means contractor must be certified to a Level II Distribution, etc.
 - c) All persons making any connections to the Utility System must have such connections inspected and approved by the Designated Officer of the Municipality prior to the connections and all appurtenances thereto being covered up. The Municipality requires 24 hours' notice for inspections.
7.
 - a) The Municipality shall supply (but not install) one water meter for each water service connection; such meter shall be suitable in size and in all other respects for such service pipe, and the costs of any replacement water meters including the installation thereof shall be the sole responsibility of the property owner. Upon the installation of such meters, the ownership of all such meters shall vest in the Municipality.
 - b) Upon any water meter being installed, the Municipality shall inspect such meter installation to ensure compliance with this By-Law. No person shall make water available to any building without first having the water meter installation inspected and sealed by the Designated Officer for the Municipality.
 - c)
 - i) The Municipality will replace, but not install, any water meter at no cost, if such repairs or replacement are necessitated by normal deterioration of the meter.

BY-LAW #13/15

- ii) Should such repairs or replacement be necessitated by other than normal deterioration, then it shall be the responsibility of the property owner to pay for the cost of the repairs and/or replacement water meter. The Municipality shall be the sole party to determine whether a water meter needs replacement by virtue of normal deterioration or otherwise.
 - iii) All water meters shall be supplied by the Municipality.
 - d) Any party who is connected to L.I.D. No. 3 Water Distribution System must have a water meter duly connected on the incoming line from said system. All water which comes from said system must pass through the said water meter and this water meter shall not be bypassed in any form whatsoever.
 - e) The owner of any property shall be absolutely responsible to ensure that the seal on the water meter is not broken or tampered with. If such seal is broken or tampered with, then the owner of such property is liable upon summary conviction, to the penalties set forth in paragraph numbered 18 of this By-Law.
 - f) Upon the seal of any water meter becoming broken, then the owner of said property shall immediately advise the Municipality that such seal has been broken or tampered with and failing to advise the Municipality of such breakage or tampering shall be considered a separate offence under this By-Law and shall be subject to the penalties set forth in paragraph numbered 18 hereof.
8. No sillage pits shall be installed within the limits of L.I.D. No. 3 after the date of passage of this By-Law.
9. a) All sewage, other than rain water, natural run-off or water used exclusively for cooling purposes, shall be discharged directly into L.I.D. No. 3 Sewage Collection System, and at no time shall any person discharge or dump sewage other than rain water, natural run-off or water used exclusively for cooling purposes on or into the ground.
- b) No rain water, natural run-off or water used exclusively for cooling purposes shall be discharged into L.I.D. No. 3 Sewage Collection System.
- c) No person shall:
- i) Construct a new home which shall have the weeping tiles of said home connected to L.I.D. No. 3 Sewer Collection System.
 - ii) Alter the existing plumbing of any building such that water from the weeping tiles is discharged into L.I.D. No. 3 Sewer Collection System.
 - iii) Divert, pump, or in any way discharge water from weeping tiles into L.I.D. No. 3 Sewer Collection System.
 - iv) Discharge / pump water from private wells or buildings directly into municipal ditches.
 - v) Discharge / pump sewage from private property / building directly into municipal ditches.
10. No person shall discharge or cause to be discharged, any of the following kinds of sewage into L.I.D. No. 3 Sewer System:
- a) Any liquid or vapour having a temperature greater than 65 degrees Celsius.
 - b) Any sewage such that unusual attention or expenses are required to handle such matter by the Municipal Wastewater System, and without limiting the generality of the foregoing:

BY-LAW #13/15

- i) Sewage containing more than 100 milligrams per litre of grease.
- ii) Sewage containing more than a total of 15 milligrams per litre of hydrocarbons of petroleum origin.
- c) Any gasoline, benzene, naphtha, fuel oil, or other solvent or other flammable or explosive liquids, solids or gases.
- d) Any garbage other than "properly shredded garbage" from a garbage disposal unit.
- e) Any matter which may cause obstruction of flow or interference in the operation of the Municipal Wastewater System and without limiting the generality of the foregoing no ashes, cinders, sand, stone, dust, mud, straw, shavings, metal, glass, rugs, feathers, tar, plastics, wood, other solid or viscous substance or any inorganic material shall be deposited in the Municipal Wastewater System.
- f) Sewage of which the BOD₅ exceeds 500 milligrams per litre.
- g) Sewage in which suspended solids exceed 500 milligrams per litre.
- h) Any sewage having pH lower than 5.5 or greater than 9.5 or which due to its nature or content, becomes less than 5.5 or greater than 9.5 during transmission to a wastewater treatment lagoon, or having any other corrosive, damaging, or hazardous characteristics with respect to the wastewater system and sewer processes and/or personnel.
- i) Any sewage containing toxic or poisonous substances, or a waste which, combined with another waste, may cause toxic or poisonous substances to be liberated.
- j) Any noxious or malodorous substance capable of creating a public nuisance, and without limiting the generality of the foregoing, sewage containing any level of hydrogen sulphide, carbon disulphide, ammonia, chlorine, bromine, or pyridine.
- k) Any sewage containing a radioactive substance.
- l) Any water which has been used for cooling purposes.
- m) Sewage containing any part of the following matter in excess of the indicated concentration:

| | |
|---|---------------------------|
| Phenols | 0.10 milligrams per litre |
| Total Cyanides, expressed as HCN | 1.00 milligrams per litre |
| Total Sulphides, expressed as H ₂ S | 2.00 milligrams per litre |
| Total Copper, expressed as Cu | 1.00 milligrams per litre |
| Total Chromium, expressed as Cr | 1.00 milligrams per litre |
| Total Nickel, expressed as Ni | 1.00 milligrams per litre |
| Total Lead, expressed as Pb | 1.00 milligrams per litre |

BY-LAW #13/15

| | |
|--|---------------------------|
| Total Zinc, expressed as Zn | 1.00 milligrams per litre |
| Total Cadmium, expressed as Cd | 1.00 milligrams per litre |
| Total Chlorides, expressed as Cl | 1500 milligrams per litre |
| Total Sulphates, expressed as So ₄ | 1500 milligrams per litre |
| Total Phosphates, expressed as P | 60 milligrams per litre |
| Total Nitrates, expressed as NO ₃ | 60 milligrams per litre |

11. a) Any owner of property served by L.I.D. No. 3 Sewage Collection System is responsible for maintaining all pipes and works of said system which are located upon their property.
 - b) Any owner of property served by L.I.D. No. 3 Sewage Collection System shall pay the cost of maintaining the sewer service pipes between the building and the edge of the property serviced (curbstop).
 - c) Any and all connections and repairs to the Utility System, other than those located upon a landowner's property, shall be performed by the Municipality's Utility Department or such other party as they may designate.
 - d) The Municipality / Utility Department is not responsible for frozen water lines or the cost of thawing or repairing frozen water lines on private property. The Municipality may perform the service of thawing frozen lines for a fee as set out in Schedule "A" attached hereto.
12. No person shall display upon their property any object which resembles a fire hydrant unless same is a fire hydrant connected to the Water Distribution System. The Designated Officer's decision as to whether an object resembles a fire hydrant shall be final and binding upon the property owner. If, after 30 days' notice, any property owner has refused or neglected to remove such object, then the Designated Officer shall be free to remove such object and the Municipality shall not be liable for any damages incurred by the property owner as a result of such object being removed.
 13. Providing the property owner, or representative of the property owner, is present, the Designated Officer will perform water turn on or off to a property at the expense of the owner. The fees for such services shall be set out in Schedule "A" attached hereto.
 14. The Municipality is empowered to appoint such party as it may choose to deal with this By-Law as a whole, and they are not restricted to having the Designated Officer be the only Enforcement Officer of this By-Law, they may have more than one party enforcing same.
 15. a) Where necessary, in the opinion of the Council of the Rural Municipality of Rockwood or the Designated Officer, the Council may appoint such person as it may choose to make tests, or install approved monitoring equipment, to determine the character or characteristics of the wastewater discharged by any person. All costs of conducting such tests and installation of test and monitoring equipment shall be borne by the owner or occupant of the land, or both such parties, from which such wastewater is emanating.

BY-LAW #13/15

- b) The Designated Officer or any persons so authorized by him or so authorized by the Council of the Municipality, has the authority to enter upon the premises within the Municipality for the purposes of carrying out and/or enforcing this By-Law, and without limiting the generality of the foregoing, for the purposes of establishing monitoring equipment on such premises and taking readings from such monitoring equipment.
- 16. Upon the owner failing to pay the costs referred to in this section, such charges shall become a lien and charge upon the land serviced and may be added to the Tax Roll and collected in the same manner as ordinary taxes.
- 17. All measurements, test and analysis and the character of wastewater to which reference is made in this By-Law, shall be determined in accordance with "Standard Methods" and shall be determined on samples taken.
- 18. Every person who contravenes or refuses, neglects or fails to obey or observe any provision of this By-Law is guilty of an offence and is liable upon summary conviction to a fine not exceeding \$2,000.00, or to imprisonment for a term not exceeding one month, or both such fine and imprisonment.
- 19. Should any provisions of this By-Law or the Code hereby adopted be declared to be invalid by a court of competent jurisdiction, it is the intent of Council that it would have passed all other provisions of this By-Law and the Code independent of the elimination of any such portion as may be declared invalid.
- 20. That By-Law #24/10 is hereby repealed on the day following the date of final passage of this By-Law, #13/15.
- 21. That By-Law #13/15 shall come into full force and effect upon the day following the date of final passage.

DONE AND PASSED by the Council of the Rural Municipality of Rockwood, in meeting duly assembled, at the Town of Stonewall, in the Province of Manitoba, this 24th day of June, A.D. 2015.

THE RURAL MUNICIPALITY OF ROCKWOOD



 JIM CAMPBELL, REEVE



 CHRIS LUELLEMAN, CAO

GIVEN First Reading this 27th day of May, A.D. 2015.
 GIVEN Second Reading this 27th day of May, A.D. 2015.
 GIVEN Third Reading this 24th day of June, A.D. 2015.

SCHEDULE "A"
TO
BY-LAW #13/15

Fees/costs to be paid by the property owner for the following services:

1. DISCONNECT WATER – NON-EMERGENCY - \$75.00 per Disconnection

a) Temporary Disconnection:

- Renovations; or
- Property Owner is out of town for more than 30 days due to vacation or work.
- Water to be reconnected upon completion of renovations or Property Owner has returned from vacation/work as described in previous paragraph.

Responsibility of Property Owner:

- "Request for Disconnection from Utility System at Curbstop" Form shall be completed by the Property Owner;
- Fee/cost of \$75.00 to be paid by the Property Owner to the Rural Municipality of Rockwood prior to the Municipality disconnecting the water;
- Property Owner or representative to be present when water is disconnected; and
- The Property Owner shall be responsible for the flat-rate quarterly billings while the water is disconnected

b) Permanent Disconnection:

- Due to Demolition/Removal of Building with Property to remain vacant;
- Fee/cost of \$75.00 to be paid by the Property Owner to the Rural Municipality of Rockwood prior to the Municipality disconnecting the water; and
- Property Owner or representative to be present when water is disconnected.

Responsibility of Property Owner:

- "Request for Disconnection from Utility System at Curbstop" Form shall be completed by the Property Owner;
- Fee/cost of \$75.00 to be paid by the Property Owner to the Rural Municipality of Rockwood prior to the Municipality disconnecting the water;
- Property Owner or representative to be present when water is disconnected; and
- The sewer line must be immediately detached and capped-off at the property line/curbstop with the Property Owner responsible for having this work completed and for all costs involved. The detachment and capping-off of the sewer line must be inspected and approved by the Municipality.

2. DISCONNECT WATER - EMERGENCY - No Charge

- Due to emergency repairs being required to the water and/or sewer lines on private property, being between the curbstop and the outside meter on the serviced building.
- Re-connection must take place within 48 hours of the disconnection.

Responsibility of Property Owner:

- "Request for Disconnection from Utility System at Curbstop due to Emergency Repairs" Form shall be completed by the Property Owner prior to the Municipality disconnecting the water; and
- Property Owner or representative to be present when water is disconnected.

SCHEDULE "A"
TO
BY-LAW #13/15

Fees/costs to be paid by the property owner for the following services:

1. **DISCONNECT WATER – NON-EMERGENCY** - \$75.00 per Disconnection

a) **Temporary Disconnection:**

- Renovations; or
- Property Owner is out of town for more than 30 days due to vacation or work.
- Water to be reconnected upon completion of renovations or Property Owner has returned from vacation/work as described in previous paragraph.

Responsibility of Property Owner:

- "Request for Disconnection from Utility System at Curbstop" Form shall be completed by the Property Owner;
- Fee/cost of \$75.00 to be paid by the Property Owner to the Rural Municipality of Rockwood prior to the Municipality disconnecting the water;
- Property Owner or representative to be present when water is disconnected; and
- The Property Owner shall be responsible for the flat-rate quarterly billings while the water is disconnected

b) **Permanent Disconnection:**

- Due to Demolition/Removal of Building with Property to remain vacant;
- Fee/cost of \$75.00 to be paid by the Property Owner to the Rural Municipality of Rockwood prior to the Municipality disconnecting the water; and
- Property Owner or representative to be present when water is disconnected.

Responsibility of Property Owner:

- "Request for Disconnection from Utility System at Curbstop" Form shall be completed by the Property Owner;
- Fee/cost of \$75.00 to be paid by the Property Owner to the Rural Municipality of Rockwood prior to the Municipality disconnecting the water;
- Property Owner or representative to be present when water is disconnected; and
- The sewer line must be immediately detached and capped-off at the property line/curbstop with the Property Owner responsible for having this work completed and for all costs involved. The detachment and capping-off of the sewer line must be inspected and approved by the Municipality.

2. **DISCONNECT WATER - EMERGENCY** - No Charge

- Due to emergency repairs being required to the water and/or sewer lines on private property, being between the curbstop and the outside meter on the serviced building.
- Re-connection must take place within 48 hours of the disconnection.

Responsibility of Property Owner:

- "Request for Disconnection from Utility System at Curbstop due to Emergency Repairs" Form shall be completed by the Property Owner prior to the Municipality disconnecting the water; and
- Property Owner or representative to be present when water is disconnected.

Fees/costs to be paid by the property owner for the following services:

3. **RE-CONNECT WATER – NON EMERGENCY** - \$75.00 per Connection

- Water to be re-connected after "temporary" disconnection pursuant to Paragraph No. 1.a) above.

Responsibility of Property Owner:

- "Request for Re-Connection to Utility System at Curbstop" Form shall be completed by the Property Owner;
- Fee/cost of \$75.00 to be paid by the Property Owner to the Rural Municipality of Rockwood prior to the Municipality re-connecting the water; and
- Property Owner or representative to be present when water is re-connected.

4. **RE-CONNECT WATER – EMERGENCY** - No Charge

- Water to be re-connected after emergency repairs being completed to the water and/or sewer lines on private property, being between the curbstop and the outside meter on the serviced building.

Responsibility of Property Owner:

- "Request for Re-connection to Utility System at Curbstop due to Emergency Repairs" Form shall be completed by the Property Owner prior to the Municipality re-connecting the water; and
- Property Owner or representative to be present when water is re-connected; and

5. Thaw Frozen Water Lines on Private Property - Actual costs

6. Installation of Water & Sewer for New Construction from the Main Line to the Property Line:

a) Service Application Information

- All applicants must fill out the application for service connections as well as pay the fees associated with the application before work is to commence.
- Should any of the costs below be more than the fees collected the Rural Municipality of Rockwood shall invoice the applicant for the balance.

b) Service Fee Information

i) Residential:
Connections

- Fees Associated with connections:

| | |
|------------------------|-----------------|
| Permit Fee | \$125.00 |
| Connection Fee | \$8,500.00 |
| Water Meter | \$625.00 |
| Inspection Fee | \$300.00 |
| <u>Restoration Fee</u> | <u>\$950.00</u> |
| Total | \$10,500.00 |

ii) Commercial / Industrial:
Connections

- Fees Associated with connections:

| | |
|------------------------|-----------------|
| Permit Fee | \$125.00 |
| Connection Fee | \$8,500.00 |
| Water Meter | \$625.00 |
| Inspection Fee | \$300.00 |
| <u>Restoration Fee</u> | <u>\$950.00</u> |
| Total | \$10,500.00 |

SCHEDULE "B"
TO
BY-LAW #13/15

SPECIFICATIONS FOR UTILITY HOOK-UPS:

A. SEWER SERVICE PIPE

- certified CSA; PVC PSM SDR 35 / 100mm (4")

The sewer piping will be installed in common trench with the water pipe. Where connection takes place onto existing (exterior) piping, the process will be referred to as **connection at the building**. The ground cover of the pipe will be a minimum of six (6) feet; variation to this may only occur at the discretion of the Municipality. To meet the elevation of existing piping and to maintain positive flow characteristics, the installation will, where deemed by the Contractor or directed by the Municipality, include 45 degree long sweep bends or standard (22 ½ or 45 degree) elbows for grade and alignment.

Where the Contractor is required to terminate the service into the building, the process will be referred to as "entry into dwelling building". In this process, the entry may simply be through a wall opening. In some cases, it may require the Contractor to mine (burrow) under the footing to an existing opening in the basement floor. **Where this process takes place, the pipe under the footing or through the wall will be C.S.A. B181.1 ABS drain waste pipe or C.S.A. B181.2 P.V.C. drain waste pipe. The connection to the SDR 35 pipe shall be a minimum of three (3) feet away from the exterior basement wall. The couplers joining the two pipes shall be Fernco 1056.44 or 1056.66.**

Note: Recommendation for a backwater valve 1 metre (3 feet) inside basement wall. Not allowed on new construction unless design conforms to CSA B 70 (normally open).

There may also be instances where the property owner has initiated some of the mining. Regardless of which case exists, the Contractor will not be required to connect piping inside the basements.

- Main line connections will be by saddle with stainless steel band clamps on Tee's.
- Bell & Spigot 45 degree long sweep shall be certified C.S.A. for PVC PSM SDR 35 piping
- Bell & Spigot (22 ½ or 45 degree) standard for SDR 35 piping
- Only one (1) sewer service line to service one (1) building

B. WATER SERVICE PIPE

- O.D. Tubing sizes series 160 HDPE potable water polyethylene C.S.A. certified and factory marked CAS B137.1 / 25mm (1")
- 25 mm (1") compression with stainless steel insert to a 25 mm (1") ball valve

All services to be installed with continuous pipe lengths. Where distances may require joining pipe ends, the use of couplers will adhere to manufacturer's recommendations for connection to polyethylene tubing. Only brass Mueller compression stainless steel inserts for poly tubing is approved. At the curbstop, inserts must be used and at valve connections in building.

The installation of water pipe will be in common trench with the sewer. The pipe will be connected to the existing compression-type end Mueller curbstop at the property line. A minimum cover of 2.43 metre (8 feet) will be maintained up to the "entry into building".

SCHEDULE "B"
TO
BY-LAW #13/15

The Municipality may approve some deviation at the building provided the piping is insulated by an approved insulating material. Rigid 50mm (2") sm will be a preferred choice. The water and sewer lines running across the driveway or roadway **MUST** be insulated.

Entry into the building in the case where the sewer pipe is connected at the building will be through an opening by the Contractor or by others. The pipe will be placed alongside the sewer in the case of sewer entry into building. **Requirement is for all outside taps to have vacuum breakers on for backflow prevention.**

Only one (1) water service line to service one (1) building

C. SERVICE LINES

i) **Residential Water Service Line**

- a. Residential water service line shall be 25mm (1") Series 200 poly, no copper service line. Each service line shall include a dual check valve connected directly to water meter and have an expansion tank installed on the system after the check valve.
- b. Water meter to be installed in the horizontal position only.

ii) **Commercial / Industrial Water Service Line**

- a. Commercial / Industrial water service lines shall be either 38mm (1 ½") or 50mm (2") in size Series 200 poly (municipal tubing), no copper service line. 2" lines only, must have a lockable meter bypass in accordance with MPC / AWWA Specs. Industrial, commercial and institutional buildings will have testable backflow prevention installed. The backflow to be tested each year at property owner's expense.
- b. Water meter to be appropriate size and installed in the horizontal position only.

iii) **Sewer Service Line**

Sewer service line pipe shall be 100mm (4") SDR 35 bell & spigot.

iv) **Size of Sewer & Water Lines**

Pending the usage of the building and at the discretion of the Municipality, the size of the sewer and water lines may be required to be increased. Example: school, commercial building, etc.

D. CURBSTOP

All curbstops shall be Mueller compression-type ends, be visible and accessible and clearly marked with 2"x 6" board on 4 sides of curbstop, 1.2 meters (4 feet) above ground and painted blue so water may be turned on by the Municipality. If not visible, it shall be the property owner's responsibility to make said curbstop visible and accessible at all times. Services boxes to be poly boot only and marked "Water".

Curbstop to be operated by Municipal Utility Department / Designated Officer only.

Curbstops shall not be located in a driveway or pathway.

E. RESTORATION OF CURBSTOP

Due to excavation on private property, the Municipality shall be responsible to repair the curbstop, including topsoil and grass seed.

SCHEDULE "B"
TO
BY-LAW #13/15

F. BEDDING AND INSTALLATION

- All pipe installations will adhere to manufacturer's recommendations.
- As a minimum requirement, all sewer pipe will be supported along its entire length by a layer of no less than 100mm (4") in thickness of sand. Sand shall also be placed around and above both sewer and water pipes by hand shovel and hand-tamped to no less than 200mm (8") above the pipes.

G. INSPECTION

- All work, prior to being covered, is to be inspected by a duly authorized certified representative of the Rural Municipality of Rockwood.
- Twenty-four (24) hours' notice is required for an inspection.