

Order No. 98/26

**RURAL MUNICIPALITY OF ROCKWOOD
AMALGAMATION OF THE BALMORAL WATER AND WASTEWATER UTILITY AND
THE GUNTON WATER AND WASTEWATER UTILITY
EFFECTIVE JULY 1, 2026
REVISED WATER AND WASTEWATER RATES
EFFECTIVE JULY 1, 2026, JANUARY 1, 2027, AND JANUARY 1, 2028**

June 25, 2026

**BEFORE: Shawn McCutcheon, Panel Chair
Irene Hamilton, K.C., Panel Member**

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1.0 Executive Summary

By this Order, the Public Utilities Board (Board) approves the amalgamation of the Balmoral Water and Wastewater Utility (Balmoral) and the Gunton Water and Wastewater Utility (Gunton), to be known as the Rockwood Water and Wastewater Utility, effective July 1, 2026.

The Board approves the water and wastewater rates as applied for by the Rural Municipality of Rockwood (RM) for the amalgamated Rockwood Water and Wastewater Utility (Rockwood), but varies the effective dates to July 1, 2026, January 1, 2027, and January 1, 2028.

The approved rates are as follows:

	Current Rates		July 1, 2026	January 1, 2027	January 1, 2028
	Balmoral	Gunton			
Quarterly Service Charge	\$22.50	\$23.50	\$23.00	\$23.28	\$23.59
Water (per cubic meter)	\$3.50	\$3.00	\$4.43	\$4.31	\$4.30
Wastewater (per cubic meter)	\$4.25	\$2.53	\$2.62	\$2.53	\$2.56
Minimum Quarterly Charge*	\$138.25	\$106.45	\$128.75	\$125.88	\$126.49
Bulk Water Rate (per cubic meter)**	\$3.94	-	\$5.80	\$5.10	\$5.10

*Based on 15 cubic meters

**Plus a flat fee of \$100.00 per fill

Details of other rates may be found in the attached Schedule A.

Rationale for the Board's decisions may be found under the heading Board Findings below.

2.0 Background

On November 15, 2024, the Board approved revised rates for Gunton, effective January 1, 2025 in Board Order No. 133/24.

On January 15, 2025, the Board approved revised rates for Balmoral, effective January 1, 2025 in Board Order No. 7/25.

On May 1, 2026, the Board approved 2022, 2023, and 2024 actual operating deficits for Balmoral totalling \$344,055.

On June 15, 2026, the Board approved a 2023 Actual operating deficit of \$25,855 for Gunton.

Water Supply/Distribution

The water source for the Balmoral Public Water System is supplied by a confined aquifer. The Rural Municipality of Rockwood owns and operates the Balmoral and Gunton Utilities serving the communities of Balmoral and Gunton located eight kilometers apart. The Utility systems are interconnected. Balmoral provides a treated water supply and sewage treatment service to Gunton. Service to Gunton commenced in late 2010.

The Balmoral public water treatment system pumps water from the well to the reverse osmosis membrane trane in the water treatment plant. The flow is controlled by a level sensor in the reservoir. Antiscalent is added to the raw water before flowing into a five micron polypropylene cartridge prefilter, then into a three-stage reverse osmosis unit. After the reverse osmosis unit, ClearHib5 is added for corrosion control, sodium hydroxide is added to adjust pH, and chlorine is added to achieve the desired chlorine level. Contact time is achieved in a two-cell reservoir before water is pumped into the distribution system. The distribution lines are all polyvinyl chloride (PVC) and are all in good condition.

The Balmoral distribution pumping system consists of one jockey pump, one duty pump, and one pump for fire flow. Water is pumped into the distribution system. A separate pump was added to supply water to the Gunton re-chlorination station. The water pressure leaving the water treatment plant is 414 kilopascals or 60 psi. The distribution pumps are all controlled by variable frequency drive (VFD) to maintain constant pressure.

There have been no reports of any colour or taste issues with respect to drinking water.

Wastewater Collection/Treatment

The Balmoral and Gunton Wastewater Systems are gravity flow, with both having one lift station and two pumps. Wastewater is pumped from the lift station to the Balmoral Wastewater Treatment Lagoon, from both Balmoral and Gunton. The collection system lines are PVC, and the system is in good condition. The Balmoral lagoon has three cells and discharges are made into the Jackfish Creek after testing and compliance with the Municipalities Environmental Licences. No wastewater is allowed to be hauled to the Balmoral lagoon.

Unaccounted for Water

The acceptable percentage of unaccounted for water is 10%, based on industry standards. If the percentage is above this amount, the applicant is to explain why and provide a plan to remedy.

The RM is reporting unaccounted for water for Balmoral of 5.78% and Gunton of 6.07% as of 2024 in its rate study, which falls within acceptable industry standards.

3.0 Application

In 2025, the RM applied to amalgamate the Balmoral Water and Wastewater Utility and the Gunton Water and Wastewater Utility and for revised water and wastewater rates for the amalgamated Utility, to be effective January 1, 2026, January 1, 2027, and January 1, 2028 as set out in By-Law No. 30/25, read for the first time on June 12, 2025. The application was supported by a rate study prepared by the RM's Utility Administrator and the RM's Utility Manger.

The Municipality's application states its request to amalgamate the Utilities is to create operational efficiencies. Having one utility system minimizes the need for multiple billing systems, reporting structures, and operational redundancies. Regulatory compliance with provincial water and wastewater standards becomes easier to manage under one entity. Standardized procedures and policies ensure all residents receive the same quality of utility services.

A Public Notice of Application was issued on May 8, 2026, allowing for any questions or comments with respect to the proposed rate increases to the Board and/or the RM on or before June 22, 2026. The Board did not receive any responses to the Notice.

When reviewing an application, the Board can either: hold a public hearing at which the applicant can present its case and customers can present their concerns; or where it is deemed to be in the best interests of a utility and its customers, the Board can review the application using a paper review process without holding a public hearing. The paper review process considers all written materials submitted by the Utility and the public, as well as any information requests and responses between the Board and the Utility. This process may reduce regulatory costs to the Utility.

A public hearing process allows the Utility and the public the opportunity to review the application and address any concerns with the Board present.

Whenever reasonable, the Board will review the application using a paper review process, which saves the cost of a public hearing process. The Board has chosen a paper review process for the RM's application.

On May 13, 2026, the Board sent information requests to the RM regarding some minor discrepancies between the Audited Financial Statements and the rate study's forecast. On May 15, 2026, the RM revised its rates based on minor computational errors for water and wastewater amortization expenses and hydrant revenues.

The rates were calculated based on the following revised projections using an annual inflation rate of 2% in all calculations:

Schedule of Utility Rate Requirements Rural Municipality of Rockwood Rockwood Water and Wastewater Utility 2026 to 2028 Budget Forecasts (\$)			
	2026	2027	2028
	Forecast		
General Expenses			
Administration	26,520	27,050	27,591
Total General Expenses	26,520	27,050	27,591
Revenue			
Penalties	4,000	4,000	4,000
Total General Revenues	4,000	4,000	4,000
Net Costs General	22,520	23,050	23,591
Water Expenses			
Purification and Treatment	14,280	14,566	14,857
Water Purchases	15,300	15,606	15,918
Transportation Services	55,590	56,702	57,836
Transmission and Distribution	99,348	101,335	103,362
Amortization	137,046	137,046	137,046
Interest on Long-Term Debt	3,933	-	-
Contingency	13,452	13,821	14,197
Reserves	5,000	5,000	5,000
Total Water Expenses	343,949	344,076	348,216

Revenue				
	Connection & Installation	2,040	2,081	2,122
	Hydrant Rentals	10,000	10,000	10,000
	Other	48,348	49,315	50,301
	Taxation	62,708	-	-
	Total Water Revenue	123,096	61,396	62,423
	Net Water Costs	220,853	282,680	285,793
Wastewater Expenses				
	Collection System	84,048	85,729	87,444
	Lift Station	12,036	12,277	12,522
	Treatment and Disposal	5,100	5,202	5,306
	Other Collection & Disposal	9,996	10,196	10,400
	Amortization	155,475	155,475	155,475
	Interest on Long-Term Debt	3,933	-	-
	Contingency	6,118	6,340	6,567
	Reserves	5,000	5,000	5,000
	Total Wastewater Expenses	281,706	280,219	282,714
Revenue				
	Connection & Installation	2,040	2,081	2,122
	Other	55,488	56,598	57,730
	Taxation	62,707	-	-
	Total Wastewater Revenue	120,235	58,679	59,852
	Net Wastewater Costs	161,471	221,540	222,862
	Net Operating Costs	396,044	518,470	523,446

The RM is requesting revised rates to provide uniform rates for the newly amalgamated Utility and to update rates for adequacy.

Contingency Allowance and Utility Reserves

As per the Board's Water and Wastewater Rate Application Guidelines, a yearly allowance equal to 10% of the variable operating costs is recommended for a contingency allowance.

The RM has included a contingency allowance of \$13,452 for 2026, \$13,821 for 2027, and \$14,197 for 2028 for water and \$6,118 for 2026, \$6,340 for 2027, and \$6,567 for 2028 for wastewater.

The RM has included a reserve allowance of \$5,000 for water and \$5,000 for wastewater (or a total annual reserve allowance of \$10,000 per year).

Working Capital Surplus/Deficit

Board Order No. 93/09 established that utilities should maintain a minimum working capital surplus, in an amount equal to 20% of annual expenses. The working capital surplus/deficit is defined as the Utility fund balance, excluding any capital related items plus Utility reserves.

As per the 2024 Audited Financial Statements, the most recent information available, the working capital surplus/deficit for the Utilities at December 31, 2024 was:

2024	Balmoral Utility	Gunton Utility	Total
Utility Fund Surplus/Deficit	\$3,655,940	\$4,359,115	\$8,015,055
Deduct: Tangible Capital Assets	3,366,649	4,821,942	8,188,591
Add: Long-Term Debt	-	441,859	441,859
Add: Utility Reserves	58,578	6,665	65,243
Add: Asset Retirement Obligation	-	-	-
Equals Working Capital Surplus/(Deficit)	347,869	-14,303	333,566
Operating Expenses	318,518	293,786	612,304
20% of Operating Expenses (Target)	63,704	58,757	122,461

The working capital for the amalgamated Utility meets the Board requirement.

Cost Allocation Methodology

The Board requires all municipal governments to review the costs shared between its general operations and the Utility, and to allocate appropriate and reasonable costs to the Utility, based on a policy known as a Cost Allocation Methodology. This allocation must be submitted to the Board for approval and cannot be changed without receiving approval from the Board. The Board's requirements regarding cost allocation methodologies can be found in Board Order No. 93/09.

After amalgamation of the Balmoral and Gunton Utilities, the RM will have two utilities in its jurisdiction. All direct and indirect costs will be shared by the two utilities and will be allocated as follows:

Rockwood 35%

Stony Mountain 65%

The RM's allocation plan for shared costs for Rockwood is as follows:

RM of Rockwood Utility - Allocation Plan for Shared Costs		
Shared Overhead: Includes all direct and indirect costs related to the administration of the Utility		
	Category	Percentage
Direct Overhead Costs	Utility Administration	50%
	Billing - receipting and collection	15%
Indirect Overhead Costs- General Administrative Costs and Shared Office Costs	CAO Salary	10%
	Council costs	10%
	Audit & legal	5%
	Office Space	15%
	Telephone - Hydro	15%
	Office supplies / photocopying	15%
Shared Direct Operating Costs: Includes all costs directly attributable to the maintenance and repair of the utility. Public work employees repair and maintain both transportation and utility infrastructure. A portion of the cost for the public works department		
	Category	Percentage
Direct Equipment Costs	Public works buildings- Maintenance	10%
	Vehicles-Fuel / Insurance	5%
	Machinery and equipment	5%
	Road construction and maintenance equipment- Interest / Lease costs / Amortization	5%
Direct Labour	Labour costs directly attributable to the maintenance and repair of utility TCA.	5%
Shared Capital Costs: These shared costs should not be directly charged to utility operations. Capital costs should be capitalized as a tangible capital asset and amortized to utility operations over its useful life. * Includes all costs directly attributable to the development and construction of a tangible capital asset for a utility. Public works project often construct transportation and utility assets at the same time. In these cases a portion of the road work should be allocated to utility TCA based on the relative fair market value of the assets. *The cost of a tangible capital asset can include interest costs on debt directly attributable to the development and construction of a tangible capital asset. Only interest owed to external parties such as banks or debenture holders. Capitalization of interest cost must end when there is no construction or when the asset is put into use.		
	Category	Percentage
Direct Overhead Costs	Administrative	
	Legal fees / Survey Costs	5%
	Design / Engineering Fees	5%
	Interest on Debt	5%
Direct Equipment Costs	Operating Costs	
	Vehicles / Fuel / Insurance	5%
	Equipment / Amortization / Interest	5%
Direct Labour	Labour costs directly attributable to the maintenance and repair of Utility TCA.	5%

4.0 Board Findings

The Board has reviewed the RM's application to amalgamate the Balmoral Utility and the Gunton Utility and notes there were no responses to the Public Notice regarding the amalgamation of the two utilities. The Board approves the amalgamation of the two utilities, effective July 1, 2026, to be known as the Rockwood Water and Wastewater Utility.

The Board has also reviewed the RM's application for revised rates, the projections presented by the RM in its rate application and the revised projections provided by the RM on May 15, 2026 and finds them to be reasonable.

The Board approves the revised rates as requested by the RM, but varies the effective dates to July 1, 2026, January 1, 2027, and January 1, 2028 to coincide with the RM's billing cycle.

The Board approves the revised cost allocation methodology and reminds the RM the methodology must be used consistently, and changes to the revised cost allocation methodology require Board approval.

The Board requires the RM to review the water and wastewater rates for the amalgamated Rockwood Water and Wastewater Utility for adequacy and file a report with the Board or submit an application for revised rates on or before August 1, 2028.

5.0 IT IS HEREBY ORDERED THAT:

1. The amalgamation of the Balmoral Water and Wastewater Utility and the Gunton Water and Wastewater Utility, to be known as the Rockwood Water and Wastewater Utility, is HEREBY APPROVED effective July 1, 2026.
2. The revised water and wastewater rates for the Rural Municipality of Rockwood, Rockwood Water and Wastewater Utility, BE AND ARE HEREBY VARIED in accordance with the attached Schedule A, effective July 1, 2026, January 1, 2027, and January 1, 2028.
3. The Shared Cost Allocation Methodology for the Rural Municipality of Rockwood, Rockwood Water and Wastewater Utility BE AND IS HEREBY APPROVED.
4. The Rural Municipality of Rockwood is to provide a notice of the decisions found in this Order to its customers as soon as possible, with a copy provided to the Public Utilities Board.
5. The Rural Municipality of Rockwood amend its water and wastewater rate By-Law to reflect the decisions in this Order and submit a copy to the Board once it has received third and final reading.
6. The Rural Municipality of Rockwood review its water and wastewater rates for the Rockwood Water and Wastewater Utility for adequacy and file a report with the Public Utilities Board, as well as an application for revised rates if required, by no later than August 1, 2028.

Fees payable upon this Order - \$500.00

Board decisions may be appealed in accordance with the provisions of Section 58 of *The Public Utilities Board Act*, or reviewed in accordance with Section 58 of the Board's Rules of Practice and Procedure (Rules). The Board's Rules may be viewed on the Board's website at www.pubmanitoba.ca.

THE PUBLIC UTILITIES BOARD

"Shawn McCutcheon"

Panel Chair

"Frederick Mykytyshyn"

Assistant Associate Secretary

Certified a true copy of Order No. 98/26
issued by The Public Utilities Board


Assistant Associate Secretary

SCHEDULE "A"

**RURAL MUNICIPALITY OF ROCKWOOD
ROCKWOOD WATER AND WASTEWATER UTILITY**

SCHEDULE OF QUARTERLY RATES

1. **COMMODITY RATES PER CUBIC METRE:**

	WATER	WASTEWATER	COMBINED
2026	\$4.43	\$2.62	\$7.05
2027	\$4.31	\$2.53	\$6.84
2028	\$4.30	\$2.56	\$6.86

2. **MINIMUM QUARTERLY RATES:**

Notwithstanding the commodity rates set forth in Paragraph 1 hereof, all customers will pay the applicable minimum charges set out below which will include the water allowances indicated:

WATER & WASTEWATER CUSTOMERS:

2026:

Meter Size (Inches)	Group Capacity Ratio	Minimum Quarterly Consumption	Service Charge	Water	Wastewater	Minimum Quarterly Charges
5/8	1	15	\$23.00	\$66.45	\$39.30	\$128.75
1	4	60	\$23.00	\$265.80	\$157.20	\$446.00

2027:

Meter Size (Inches)	Group Capacity Ratio	Minimum Quarterly Consumption	Service Charge	Water	Wastewater	Minimum Quarterly Charges
5/8	1	15	\$23.28	\$64.65	\$37.95	\$125.88
1	4	60	\$23.28	\$258.60	\$151.80	\$433.68

2028:

Meter Size (Inches)	Group Capacity Ratio	Minimum Quarterly Consumption	Service Charge	Water	Wastewater	Minimum Quarterly Charges
5/8	1	15	\$23.59	\$64.50	\$38.40	\$126.49
1	4	60	\$23.59	\$258.00	\$153.60	\$435.19

3. **BULK SALES:**

All water sold in bulk by the Rural Municipality of Rockwood shall be charged for at the following rates per cubic meter:

- i) 2026: \$5.80
- ii) 2027: \$5.10
- iii) 2028: \$5.10

Plus, a flat fee of \$100.00 per fill in order to cover wages and travelling costs associated with the fill.

4. **SERVICE TO CUSTOMERS OUTSIDE THE BOUNDARIES:**

The Council of the Rural Municipality of Rockwood may sign Agreements with customers for the provision of water and wastewater services to properties located outside the legal boundaries of the Communities of Balmoral and Gunton. Such Agreements shall provide for payment of the appropriate rates set out in the Schedule, as well as a surcharge, set by Resolution of Council, which shall be equivalent to the frontage levy, general taxes, and special taxes for the utility purposes in effect at the time or may be in effect from time to time, and which would be levied on the property concerned if it were within the Community boundaries. In addition, all costs of connecting to the Utility's mains, installing, and maintaining, the customer will pay service connections.

5. **BILLINGS AND PENALTIES:**

Accounts shall be billed quarterly, and the due date shall be at least 14 days after the date on the bills.

A late payment charge of 1.25% per month shall be charged on the dollar amount owing after the billing due date.

6. **DISCONNECTION:**

The Public Utilities Board has approved the Conditions Precedent attached hereto as Appendix B, to be followed by the Municipality with respect to disconnection of service for non-payment including such matters as notice and the right to appeal such action to The Public Utilities Board.

7. **RECONNECTION:**

Any service disconnected due to non-payment of account shall not be reconnected until all arrears, penalties, and a reconnection fee of \$100.00 have been paid.

Upon written request and payment of the applicable fee to the Rural Municipality of Rockwood as noted hereunder, service may be:

- i) Disconnected - \$100.00
- ii) Removed - \$100.00
- iii) Reconnected - \$100.00

8. **OUTSTANDING BILLS:**

Pursuant to Section 252(2) of *The Municipal Act*, the amount of all outstanding charges for water and wastewater services are a lien and charge upon the land serviced and shall be collected in the same manner, in which ordinary taxes upon the land are collectible, and with like remedies. Upon doing so, the RM of Rockwood will charge a (\$100.00) service fee to the utility account.

In order to satisfy provisions of the Freedom of Information and Protection of Privacy Act, the RM of Rockwood has developed an agreement between the utility, the account holder/customer, and the property owner with provisions that establish recourse for unpaid bills, and for renter's acknowledgement that information relating to their account status and other information may be released to the property owner to assist with collections.

9. **HYDRANT CHARGES:**

The Rural Municipality of Rockwood shall pay to the Utility an annual hydrant charge of \$200.00 for each hydrant connected to the System, which includes the cost of water for firefighting.

10. **WASTEWATER SURCHARGES:**

- a) There may be levied annually, in addition to the rates set forth above, a special surcharge on sewage having a Biochemical Oxygen Demand in excess of 300 parts per million, to be set by Resolution of Council.
- b) A special surcharge for substances requiring special treatment shall be charged based on the actual costs of treatment required for the particular sewage or industrial waste.

11. **WATER ALLOWANCE DUE TO LINE FREEZING:**

Where, at the request of Council, a customer is allowed to run water continuously for any period of time to prevent the water lines in the Water System from freezing, the charge to that customer for the current quarter shall be the average of billings for the last two quarters for the same customer, or the same premises if the occupant has changed.

12. **DISCONNECT WATER – NON-EMERGENCY - \$100.00 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 temporary disconnection from Utility System at curb stop” Form shall be completed by the Property Owner;
- Fee/cost of \$100.00 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 \$100.00 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.

Responsibility of Property Owner:

- "Request for permanent disconnection from Utility System at Curb stop" Form shall be completed by the Property Owner;
- Fee/cost of \$100.00 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;
- The wastewater line must be immediately detached and capped-off at the property line/curb stop with the Property Owner responsible for having this work completed and for all costs involved. The detachment and capping-off of the wastewater line must be inspected and approved by the Municipality.

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

- Due to emergency repairs being required to the water and/or wastewater lines on private property, being between the curb stop 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 Curb stop 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.

14. **RE-CONNECT WATER – NON-EMERGENCY** - \$100.00 per Connection

Responsibility of Property Owner:

- Request for Re-Connection to Utility System at Curb stop” Form shall be completed by the Property Owner;
- That a fee/cost of \$100.00 to be paid by the Property Owner to the Rural Municipality of Rockwood per re-connect request and inspections;
- Property Owner or representative to be present when water is re-connected.

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

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

Responsibility of Property Owner:

- “Request for Re-connection to Utility System at Curb stop 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

16. **Thaw Frozen Water Lines on Private Property** - Actual costs

17. **Installation of Water & Wastewater for New Construction from the Main Line to the Property Line:**

a) **Service Application Information**

- as
- All applicants must fill out the application for service connections as well 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 Informationi) Residential:
Connections**- Fees Associated with connections:**

Permit Fee	\$125.00
Connection Fee	\$8,500.00
Water Meter	\$675.00
Inspection Fee	\$300.00
Restoration Fee	\$950.00
Total	\$10,550.00

ii) Commercial / Industrial:
Connections**- Fees Associated with connections:**

Permit Fee	\$125.00
Connection Fee	\$8,500.00
Water Meter	\$675.00
Inspection Fee	\$300.00
Restoration Fee	\$950.00
Total	\$10,550.00

SCHEDULE "B"**TO****BY-LAW #30/25****SPECIFICATIONS FOR UTILITY HOOK-UPS:****A. WASTEWATER SERVICE PIPE**

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

The wastewater 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 ¼ 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 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.**

- 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) wastewater 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 curb stop, inserts must be used and at valve connections in building.

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

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 wastewater lines running across the driveway or roadway **MUST** be insulated.

Entry into the building in the case where the wastewater pipe is connected at the building will be through an opening by the Contractor or by others. The pipe will be placed alongside the wastewater in the case of wastewater 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**

Residential water service line shall be 25mm (1") Series 200 / 160 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 under wastewater line to curb stop.

ii) Commercial / Industrial Water Service Line

Commercial / Industrial water service line shall be 38mm (1 ½") line size. Series 200 poly (municipal tubing), no copper service line and must have 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.

iii) Wastewater Service Line

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

iv) Size of Wastewater & Water Lines

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

D. CURB STOP

All curb stops shall be Mueller compression-type ends, be visible and accessible and clearly marked with 2"x 6" board on 4 sides of curb stop, 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 curb stop visible and accessible at all times. Services boxes to be poly boot only and marked "Water".

Curb stop to be operated by Municipal Utility Department / Designated Officer only.
Curb stops shall not be located in a driveway or pathway.

E. RESTORATION OF CURB STOP

Leaking curb stops will be repaired by the Municipality, including topsoil and grass seed, "only" if the leak is on Municipal property. If the leak is on private property, the Municipality will invoice the property owner for the repairs deemed necessary by the Municipality.

F. BEDDING AND INSTALLATION

- All pipe installations will adhere to manufacturer's recommendations.
- As a minimum requirement, all wastewater 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 wastewater 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.