



LANGDON WATERWORKS LIMITED

RESIDENTIAL

WATER

CONNECTION

POLICY

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RESIDENTIAL WATER CONNECTION POLICY

Terms and Conditions of Service:

Residential Water Connection Requirements:

For every tie-in to any Langdon Waterworks Limited (hereinafter referred to as “LWWL”) distribution main in any subdivision or legal lot, a builder fee will be payable to LWWL. The amount charged will be amended from time to time as required by LWWL. The connection will include the initial water connection inspection and pressure test, the final fixture inspection and water meter installation and the final curb stop inspection and pressure test.

In the case of failed inspections requiring re-inspection site visits, additional charges will be invoiced to the builder. In the case of additional parts being installed by LWWL to allow for compliant water meter installation, additional charges will be invoiced to the builder. In the case of any curb stop repairs being completed by LWWL, additional charges will be invoiced to the builder.

Residential Inspections and Approvals:

All connection inspections, final water inspections and water meter installations are subject to approval by LWWL or their authorized agent. Inspections are conducted during regular office hours (08:30 – 16:00) Monday to Friday by appointment. **Please allow a minimum of 72 hours notice for Connection Inspections and 10 working days notice for Final Inspections to avoid any delays.**

Residential Water Service Line:

Rocky View Utility Corporation is the authorized water inspection agent of LWWL.

Note: Backfilling of the trench is forbidden until the connection inspection is passed.

Private service line connections must be inspected and approved by LWWL or their authorized agent. This includes initial and final inspections on the water service. A 1”, FIP, full port ball valve with bleed or relief valve on the downstream side of the supply line shall be installed with a plug in one end. This will allow for initial testing of the corporation, supply pressure and curb stop operation, as well as keep foreign materials out of the water supply line during construction. **All installation and maintenance of the service line from the curb stop to the service room remains the property and responsibility of the builder.**

Commercial and Industrial Water Service:

Direct all servicing enquiries to LWWL.

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Meter Location:

- i) The meter location must be in a frost free environment.
- ii) The meter location must be in the mechanical room in an accessible area within reasonable distance of an accessible floor drain. In no case shall a meter be installed in a bathroom, bedroom, crawl space or garage. Meter locations must be approved by LWWL or their authorized agent.
- iii) An area of 600mm sq (2 sq ft) in front of the meter shall be free of obstruction to allow for convenient reading and servicing. A minimum of 2 meters (6.5 feet) of headroom must be provided in this area.
- iv) A minimum distance of 300mm (1foot) is required between abutting side wall and any meter. The meter centerline shall be offset 100mm (4 inches) from the finished wall.
- v) The meter inlet should be located as near as possible to the entry point to discourage unlawful bypass.

Meter Installation:

- i) Full port ball valves are required upstream and down stream of the meter location.
- ii) All meter settings must use $\frac{3}{4}$ " PEX piping. At the meter location, a distance of 24 inches must be left between the inlet valve and the downstream valve to allow for installation.
- iii) Piping on each side of the meter location must be supported in both the vertical and horizontal. All supports must be threaded pipe hangers bolted to the supporting wall or pex pipe supports to the satisfaction of LWW or their authorized agent.
- iv) The ball valve on the inlet side must be equipped with a pressure relief or bleed valve set to the downstream side. The downstream isolation valve does not require a bleed valve.

Remote Readout:

- i) It is the builder's responsibility to install a remote reading radio wire from the meter location to the outside of the service building.
- ii) This wire must be sheathed #22/4 solid (red, black, yellow, green) two pair wire extended to accommodate convenient connection to the meter location and outside radio location.
- iii) LWL will supply the remote reading radio and the water meter. LWL or their authorized agent will install the radio and the water meter.
- iv) The remote reading radio shall be located at the front of the property to provide the most convenient location for reading.
- v) The radio shall be located a minimum of 1m (3.3 ft) and a maximum of 1.5m (5 ft) above the finished grade and maintained free and clear of all obstructions to be accessible for readings at all times.

Curb Stop:

- i) It is the builder's responsibility to ensure that the curb stop valve and curb box remain undamaged, operational and accessible throughout the building process.
- ii) LWL or their authorized agent will test the function of the curb stop at the time of water meter installation and conduct a pressure test on the service line from curb stop to meter location.
- iii) At the time of water meter installation, the builder must have the curb box cap set at finished grade level or slightly above finished grade level. In the case of an unfinished grade at final inspection time, the cap level must be set at the projected finished grade level.
- iv) Curb stop damage or non-function will constitute a failed inspection.
- iv) The builder will be responsible for any service line repairs, curb stop repairs or curb box height adjustments deemed necessary by LWL.
- v) In the event that repairs deemed necessary by LWL are not completed in a timely manner, LWL may discontinue water service to the location until such repairs are complete, or LWL may complete the necessary repairs with all associated charges being invoiced to the builder.

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Initialization of Service:

Service will commence after meter and remote readout are supplied and installed by LWWL personnel or their authorized agent and after final inspection of service line and meter setting is approved.

Note: Service valves, main valves, curb stops, etc., may only be operated by LWWL personnel or their authorized agent. Any unauthorized operation will result in termination of service and subject the serviced property to a fine and reconnection charge. All curb stops, meters and remote readouts are and remain the property of LWWL.

Maximum Fixture Flow Rates and Capacities: (As set by Rockyview County)

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|------|-----------------------------------|----------------------------------|
| i) | Basin and Kitchen Faucets | 8.33 L or 2.2 Gals /min @ 60 PSI |
| ii) | Shower Fixtures and/or Body Spray | 9.46 L or 2.5 Gals /min @ 60 PSI |
| iii) | Dual Flush System Water Closets | 3L: ½ flush, 6L: full flush |

Water Closets:

All water closets to be installed must approved by LWWL. Water restrictors may be used on a non-compliant fixture; however it must be approved by LWWL or their authorized agent.

Outdoor Water Use:

Residents are encouraged to install automatic underground sprinkler systems as these systems can be set up to do watering for fixed periods of time during non-peak demand hours.

Backflow Prevention:

An approved backflow prevention device shall be installed into a waterline feeding any hot water heating system that is not self contained or, requires feed water to maintain pressure or flow. The same will apply for any residence that has more than one water usage per supply line or multi meter take-off. (Water Tree). Any property that has an irrigation system shall have an approved backflow device on the irrigation system. All commercial applications require backflow protection on the supply line into the premises. All testing of the device shall be done by an authorized and licensed contractor approved by LWWL or their authorized agent. A testing verification tag shall be hung on or near the device after the test. A testing form shall be completed and a copy of the report shall be sent to the LWWL office. A copy of the test report shall be maintained by the owner of the property. All outside taps must be fitted with an approved vacuum breaker backflow preventer which must be inspected by LWWL or their authorized agent, before service will commence.

Water Conservation:

LWWL is committed to water conservation. LWWL requires low flow fixtures and equipment to be installed in all new residential, commercial and industrial buildings. LWWL encourages upgrading to low flow fixtures and equipment in all existing buildings.