



# WATER CONNECTION POLICY

## Non - Residential

# **LANGDON WATERWORKS LIMITED**

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### **Terms and Conditions of Service:**

#### **Non-Residential Water Connection Requirements:**

Prior to any connection to Langdon Waterworks Limited (hereinafter referred to as "LWWL") distribution main in any subdivision or legal lot, LWWL will require plans from the consultant showing the dimension and location of all proposed water lines, appurtenances, hydrants, valves and water meters. Plans will be reviewed by LWWL and either approved or amended to meet the requirements of LWWL.

For each building served by LWWL, an isolation valve must be present outside of the building envelope and be located as to ensure accessibility at all times.

LWWL requires that each individual suite or unit within a multi-unit building be serviced by an individual water supply line and individual water meter equipped with shut-off valve upstream of the meter location and a double check-valve down stream of the meter location.

For each building connected to a LWWL distribution main, a non-residential builder fee will be payable to LWWL.

The non-residential builder fee charged by LWWL will include:

- the initial water connection inspection,
- supply of water meter that meets LWWL specifications,
- inspection of builder-installed water meter and
- installation and testing of the meter radio transmitter (ERT)

#### **Additional Fees:**

In the case of failed inspections requiring re-inspection site visits, additional charges will be invoiced to the builder at the rate of \$125.00 per hour.

In the case of additional parts being supplied or installed by LWWL to allow for compliant water meter or ERT installation, material charges will be invoiced to the builder, plus the labor rate of \$125.00 per hour.

#### **Commercial & Industrial Inspections and Approvals:**

All connection inspections, final water inspections and water meter installations are subject to approval by LWWL or their approved 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 Final Inspections to avoid any delays.**

#### **Commercial & Industrial Water Service Line:**

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

All installation and maintenance of the service line from the curb stop to the service room remains the property and responsibility of the builder.

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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. 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 (1 foot) 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) 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.
- iii) 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.

#### **Water Service Valve:**

- i) It is the builder's responsibility to ensure that the water service valve and valve box to remain undamaged, operational and accessible throughout the building process.
- ii) LWWL or their authorized agent will test the function of the service valve at the time of C.C.C. and F.A.C
- iii) At the time of water meter installation, the builder must have the service valve cap set at finished grade level or slightly above finished grade level. In the case of an unfinished grade at final inspection time, the main valve cap level must be set at the projected finished grade level.
- iv) Main valve damage or non-function will constitute a failed inspection.
- iv) The builder will be responsible for any service line repairs, service valve repairs or valve box height adjustments deemed necessary by LWWL.
- v) In the event that repairs deemed necessary by LWWL are not completed in a timely manner, LWWL may discontinue water service to the location until such repairs are complete, or LWWL 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 water service valves, meters and remote readouts are and remain the property of LWWL.**

#### **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.

An approved backflow prevention device shall be installed into any building 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 installed on the irrigation supply line.

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 non-residential buildings. LWWL encourages upgrading to low flow fixtures and equipment in all existing buildings.

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Appendix A

Single Series

Operating Range (L/min)	Meter Size & Model #	Low Flow (L/min)	Max. Continuous Operation (L/min)	Pressure Loss at Max. Cont. Operation (psi)
1.9 - 76	5/8" Model 25	0.95	57	3.5
1.9 - 76	5/8" x 3/4" Model 25	0.95	57	2.8
2.85 - 133	3/4" Model 35	1.425	95	5
3.8 - 209	1" Model 55	1.9	152	3.4
4.75 - 266	1" Model 70	2.85	190	6.5
4.75 - 456	1½" Model 120	4.75	456	7.3
5.7 - 646	2" Model 170	5.7	646	8.6