



# Prerequisites for Water Meter Installations

Nov. 20, 2018

**This Notice is issued to inform Contractors, Home Owners & Plumbers of the City requirements, which all conditions must be in place before a water meter will be installed.**

## 1. Remote Meter Reader Wire & Reader

- Remote on the exterior of the building must be in a location so that the remote faces the nearest tower (Please see page 2).
  - Remotes cannot be covered by decks or other structures that restrict access.
  - **Remote needs to be placed in clear line of sight to tower away from any obstructions (Fence/bush/trees)**
- Shall have three or four-conductor, 22-gauge solid wire, vinyl-covered.
- Cannot be spliced.
- Wire should be secured using wire connectors to the framing inside the building. (Do not use staples)
- If passing through bored holes in metal or metal studs, proper grommets must be used.
- Must terminate at least 1.5 meters above finished grade
- Must terminate wire at least 1.5 meters away from any metal or any other utility assets (Hydro meter, Hydro stack, Gas meter, etc)
- Minimum 1.5 meters clearance from overhead objects.
- Must have a minimum of 450 mm excess wire coiled in the area where the water meter is to be installed.
- Must have a minimum of 300 mm excess wire protruding from the exterior of the building.
- The remote must be installed where the wire comes through the wall. The remote wire cannot be extended in any direction after it comes through the wall, except a minor adjustment for height.

## 2. Water Service Valve (curbstop) at Property Line

- Must be visible and set to finished grade.
- Must be fully operational and in good state of repair.
- Must not be cemented in a driveway or sidewalk unless it is inside a 4" sleeve.

## 3. Water service Valve Inside Building

- Must be located within 1 metre of where the water service pipe surfaces through the floor, and a minimum of 250 mm above the floor.
- Cannot be any connections upstream of this valve.
- All meters 1" or larger must have an isolation valve downstream and upstream of the meter
- It is recommended for all meters regardless of size to install isolation valve downstream and upstream of the meter.

## 4. Water Meter Location Inside Building

- Must be free of any obstruction for 300 mm in any direction from water meter location.
- Must be readily accessible for the meter installer; he must be able to work without irregular body contortions.
- Cannot be any connections upstream of the meter.
- Must be within 300 mm of the water service valve.
- For meters of size larger than 1" there must be a minimum of two and one half (2.5) pipe diameters of straight run pipe upstream of the meter and a minimum of five (5) pipe diameters of straight run pipe downstream of the meter.
- Water meter service line must enter up thru floor and must be one continues pipe from curb stop to water meter without any connections.
- Water meter shall not be in any crawl space unless approved by water services department
- Shall be no meter by-pass unless approved by water services department.



**NOTE:**

- 1. Temporary or construction type meters will not be installed.**
- 2. All phases of water meter installation will be completed during a one and only installation date. The meter installer will not complete portions of the installation upon an initial visit and then return later to complete the installation.**
- 3. If the afore mentioned pre-requisites are not met, the water meter will not be installed.**
- 4. Water meter installation deficiencies are not the responsibility of City of Lloydminster. Please refer any queries to the property owner and/or developer and/or contractor.**
- 5. Between October 1 and May 31 of every year, a water meter will not be installed unless the building is heated.**
- 6. No person, other than City employees are authorized to operate the water service valve. If evidence is found to indicate that other than City employees have operated the water service valve the property owner will be subject to any fines or penalties as outlined in the current water by-law.**
- 7. A minimum of three (3) business days will be required for water meter install approval once the request has been made.**

**Locations of Towers:**

