

## Water and Sewer Inspection Checklist

Date: \_\_\_\_\_

Name: \_\_\_\_\_

Account #: \_\_\_\_\_

Municipal Address: \_\_\_\_\_

Plan: \_\_\_\_\_ Block: \_\_\_\_\_ Lot: \_\_\_\_\_

### General

\_\_\_\_\_ Application and fees paid in full.

\_\_\_\_\_ Contractor Name and Certification # \_\_\_\_\_

\_\_\_\_\_ Owner is aware that they are responsible for locating underground utilities .  
Alberta One Call (1-800-242-3447)

\_\_\_\_\_ Owner is aware that they are responsible for flushing all piping system connections prior to  
connecting any mechanical device which may be damaged by debris from construction.

\_\_\_\_\_ Owner is aware that they are responsible for repair of trench settlement and tie-in locations within  
1 year of connection.

\_\_\_\_\_ Ground cover must be a minimum of 2.75 meters and provisions made for frost protection if  
ground cover depth is not deep enough.

\_\_\_\_\_ Water service pipe size minimum ¾", Type K copper, Kitec or municipal tubing.

\_\_\_\_\_ All underground connections are brass compression fittings.

\_\_\_\_\_ Service tie-ins to be inspected before any backfilling.

\_\_\_\_\_ Trenching and backfilling completed in conformance with OH&S.

### Water Trickle System

\_\_\_\_\_ Gate or Ball Valve before water meter.

\_\_\_\_\_ Flush service and test. Turbidity \_\_\_\_\_ Chlorine \_\_\_\_\_ ppm.

\_\_\_\_\_ Water meter installed.

\_\_\_\_\_ Wiring installed for MXU by owner.

\_\_\_\_\_ MXU installed.

\_\_\_\_\_ 2.0 GPM Flow Restrictor

- If meter chamber installed:
- Meter chamber installed a minimum of 2 meters from driveway.
- Meter chamber installed a minimum of 1.5 meters inside of property.
- Meter chamber installed on concrete block and backfilled with gravel bedding.
- Brass fittings connected to service lines to meter chambers.
- Cistern's float switch made of brass, bronze, or stainless steel.
- Connections to cistern inspected before back-filling.

### **Water Full Pressure System**

- Gate of Ball Valve before water meter
- Flush service and test. Turbidity \_\_\_\_ Chlorine \_\_\_\_\_ppm.
- Water meter installed.
- Wiring Installed for MXU by owner.
- MXU installed.

### **Low Pressure Sewer System**

- Owner signed inspection report indicating that Lac La Biche County will not be held liable in case of damage incurred on private property in the event of a sewage backup.
- Tank minimum size – 1000 gallons.
- Pump installed in two compartment tank or separate pump chamber to pump effluent only.
- Pump discharge line minimum diameter of 1.5 inches.
- Pump discharge line is SDR 09, SDR 11 HDPE Municipal tubing or Series 160 Polyethylene.
- Connections at property line is brass compression fitting.
- Connection between service line and pump piping is brass compression fitting.
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- Orenco Effluent Pump Package installed according to specifications.
- Bio-tube pump vault is at proper height (clear zone) in tank.
- Vault resting on top of tank.
- Vault suspended by cables.
- Vault resting on tank bottom.

- \_\_\_\_\_ Prevent runoff intrusion.
- \_\_\_\_\_ Tank sealed watertight and all connections into tank made watertight and gastight.
- \_\_\_\_\_ Splice block installed properly with seal if used.
- \_\_\_\_\_ Pump and Discharge assembly installed properly.
- \_\_\_\_\_ Discharge assembly cross bar is 18" from manhole cover.
- \_\_\_\_\_ Floats at correct height.
- \_\_\_\_\_ Check valves installed in proper position.
- \_\_\_\_\_ Backflow preventer check valve at pump discharge.
- \_\_\_\_\_ Insulation and heat tape as required to prevent freezing.
- \_\_\_\_\_ No drainage or any other water than sanitary wastewater allowed to enter tank.

**Gravity Sewer System**

- \_\_\_\_\_ Sewer piping and fitting are ABS or PVC from building drain to property line.
- \_\_\_\_\_ Maintain minimum grade as per pipe size.
- \_\_\_\_\_ All elbows are 22 ½ or 45's, no 90's
- \_\_\_\_\_ Owner signed inspection report indicating that Lac La Biche County will not be held liable in case of damage incurred on private property in the event of a sewage backup.
- \_\_\_\_\_ Recommended to owner to install an approved backflow preventer on the building sewer drain for either pressure system or gravity.

**It is the homeowner's responsibility to maintain all water and sewer equipment and piping from their installation to the property connections. This includes ground settlement, line blockage and frost protection. Lac La Biche County will not be held liable for any damages incurred on private property. Lac La Biche County will not be responsible for the failure of fittings that have been supplied.**

**Comments**

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Owners Name (please print) \_\_\_\_\_ Date \_\_\_\_\_

Owners Signature \_\_\_\_\_ Operator Signature \_\_\_\_\_