

WATER LINE SPECIFICATIONS (previously known as The Directive) (SCHEDULE “A”)

The Homeowner/Contractor is responsible for following all installation guidelines. If you require clarification on these specifications contact the DRWU. Any repairs or additional work required due to failure to follow these Installation Specifications, or to obtain clarification if required, shall be at the homeowner’s expense. If you have an installation situation which is not covered by these guidelines, you MUST contact the DRWU for approval before deviating from these guidelines.

If the pipe must be installed below a driveway, the pipe shall be placed at a minimum depth of 2.8 meters below the driveway. It is suggested that the Contractor also install a sheet of 50 mm thick Styrofoam SM insulation 300 mmm above the top of the pipe in areas where frost is a concern (If you find a buried pipe coil – DO NOT use).

The pipe shall be 25mm CTS HDPE DR9 pipe with a minimum pressure rating of 200 psi and rated for potable use at a minimum depth of 2.7 meters below the ground surface.

No mechanical joints shall be used to connect the pipe together (i.e. no compression couplings, hose clamps, etc.)

The pipe shall be joined by butt-fusion or electrofusion in accordance with the pipe manufacturer’s recommended procedures for joining the pipe by qualified personnel. You must call the Utility to have the fusion inspected. The Contractor will need to pressure test from the inside of the house to ensure that the fusion held and there are no holes anywhere in the pipe.

Tracer wire must be included in the installation of the water pipeline. If a pipe stub is currently installed from the curb stop, the tracer wire must be installed from the house TO the pipe stub and NOT to the curb stop

A yard sketch of the pipeline routing, including any buildings/landmarks/etc., must be provided to the Dundurn Rural Water Utility before the curbstop will be turned on for use.

A holding tank and overflow must be installed prior to a meter being installed.

For backfilling of the service pipeline, the Contractor shall use material from the excavation or from other sources that is free of frozen material, rocks larger than 75 mm, refuse, and other deleterious materials. The Contractor shall use every precaution to prevent damage to DRWU infrastructure. Any damage to DRWU infrastructure from any cause during installation shall be repaired at the land owner’s/ contractor’s expense and not by the DRWU.

Where the water pipeline crosses existing underground utilities (power, telephone, natural gas etc.), the Contractor shall meet all the requirements outlined by the utility owner with respect to installing a water pipeline under or near the utility. The Contractor shall be responsible for locating the existing utility lines and obtaining all requirements of each utility. It is recommended that the water service line be installed as far from other utility lines as feasibly possible, so that if required at a future date, there is room to make repairs to the utility lines or the water line.

Where the 25 mm pipe penetrates the floor slab into the basement of the house, a 50 mm PVC pipe sleeve shall be installed in the floor slab around the 25 mm pipe. The space between the 25 mm pipe and the 50 mm PVC pipe sleeve shall be filled with silicone or a small amount of spray foam. Sufficient pipe shall be left in the basement to make the connection to the meter assembly board.

WATER REGULATIONS, 2002

Water pipes

- (1) Subject to subsections (2) and (3), no permittee shall install:
- a) a water pipe in a trench with a sewer pipe; or
 - b) a sewer pipe in a trench with a water pipe.

(2) If the minister is satisfied that it is in the public interest to do so, the minister may authorize a permittee in the permit to install a water pipe in a trench with a sewer pipe if:

- a) the lowest portion of the water pipe is placed at least 600 millimeters above the highest portion of the sewer pipe in a vertical plane;
- b) the water pipe is horizontally separated from the sewer pipe by at least 300 millimeters; and
- c) the sewer pipe is not under internal pressure.

(3) Subsection (1) does not apply to a service connection if the sewer pipe is not under internal pressure and is not located above the water pipe.

(4) The permittee of a water pipe used to supply water intended for a human consumptive use or hygienic use shall cause the water pipe to be cleaned, disinfected and pressure tested before the commencement of its use. 13 Dec 2002 cE-10.21 Reg 1 s26

**REGULATIONS FROM THE MINISTRY OF HEALTH – Saskatchewan Onsite Wastewater Disposal Guide:
APPENDIX 24 – SEWER & WATER LINE INSTALLATION**

Ground water may enter a water distribution system when negative internal/positive external pressures occur. The entry of ground water may be through leaks or breaks in piping, vacuum-air relief valves, blow-offs, fire hydrants, meter systems, outlets, etc. Therefore the relative location of sewer lines and water lines and the types of material used for each system are important considerations in designing a sewage system to minimize the possibility of contamination entering the water piping.

Parallel Installation

Sewer lines should be laid with at least 2.5 meters horizontal separation from any line.

Under unusual conditions (such as excessive rock, severe dewatering problems, congestion due to other utilities), a sewer line may be laid closer to a water line provided that the elevation of the crown of the sewer is at least 0.5 meters below the invert of the water line. The separation distance should be undisturbed native material or compacted backfill.

Where unusual conditions and the vertical separation cannot be obtained, the sewer should be constructed of materials and joints equivalent to water line construction.

Crossings

Sewer lines should cross under water lines with sufficient vertical separation to allow for proper bedding and structural support of both lines.

I have read and agree to all points listed on this page:

Signature



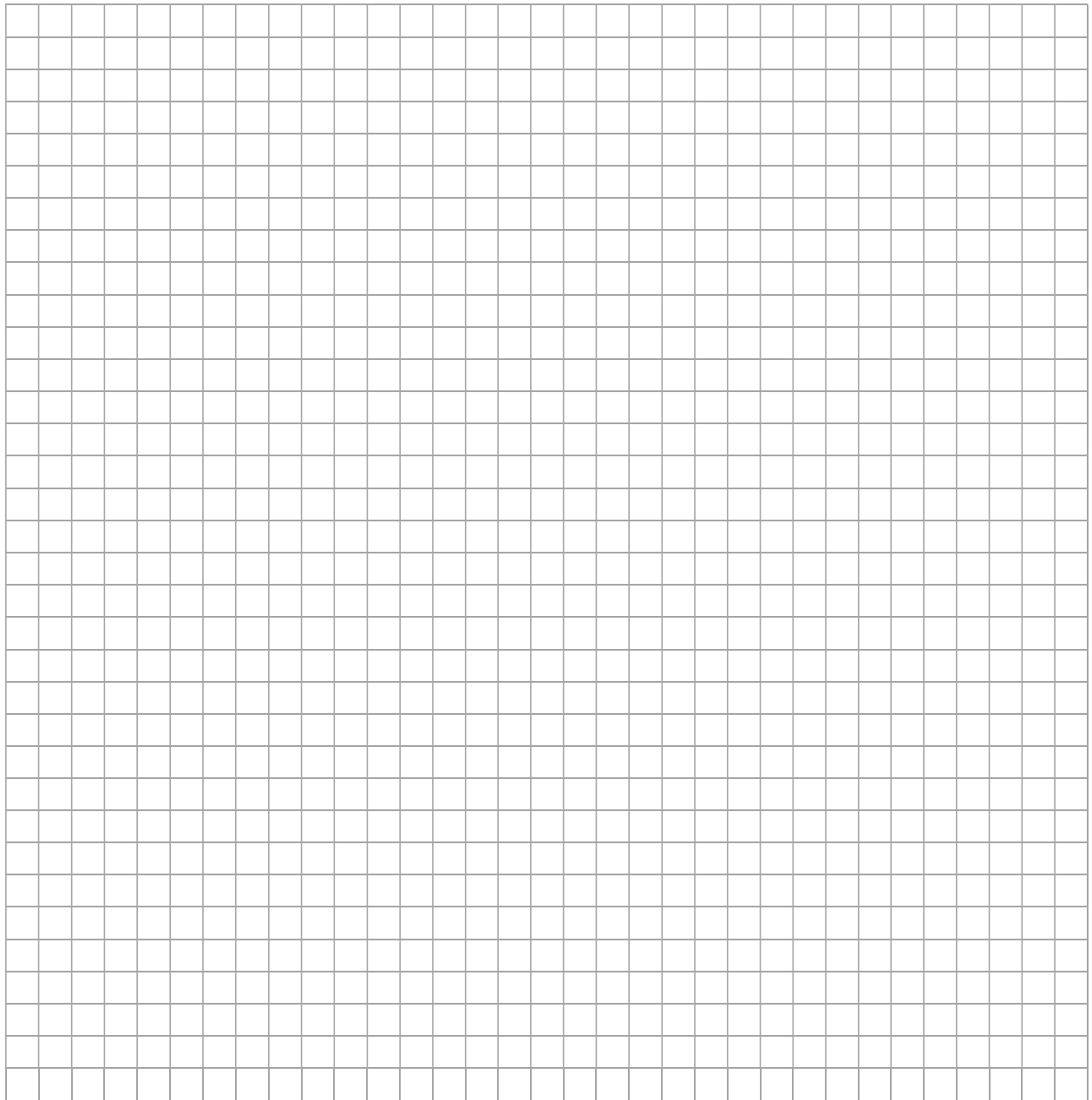
DUNDURN RURAL WATER UTILITY

E-mail: drwu@sasktel.net

DATE: _____

Subscriber Name: _____

Land Location: _____



EXAMPLE OF A YARD DRAWING

(Please show trees, sheds, deck any other prominent structures along with pipe size and length of pipe)

RECORD YARD DRAWING

