1.0 GENERAL

1.1 Scope

1.1.1 This specification covers the installation of domestic water meters on existing water services, including all labour, equipment, and materials necessary to complete the work. Work includes all co-ordination and customer contact, removal of existing water meter and delivery to the City of Regina Operations Group Meter Shop and the installation of a new water meter and meter interface unit.

1.1.2 Water meters are located within the City of Regina corporate boundaries.

1.2 Related Sections

1.2.1 Section 15151 - Water Meters and Encoder Registers

2.0 PRODUCTS

2.1 Water Meters

2.1.1 Water meters will be new, conforming to AWWA C700 latest revision, and will be supplied and installed by the City of Regina.

2.2 Encoder Registers

2.2.1 Encoder registers will conform to AWWA C707 latest revision and will be an integral part of the water meter.

2.3 Meter Interface Units

2.3.1 Meter interface units (MIU) shall be compact data collector and radio units in a plastic case complete with mounting brackets and tamper pins. MIU will be supplied and installed by the City of Regina.

2.4 Electrical Cable

2.4.1 Electrical cable for connecting the meter encoder register to the MIU shall be solid wire, three conductor, #22 AWG with coloured wires being black, green and red.

2.5 Copper Wire

2.5.1 Copper seal wire to be AWG 20. Sealing tool will be supplied by the City of Regina.

2.6 Washers

2.6.1 Washers for water meters to be 3 mm thick leather or rubber suitable for potable water systems.

2.7 Specialty Tools and Materials for Invensys MIU Installation

2.7.1 SRII security screw socket, supplied by Invensys.

2.7.2 Must be a terminal strip with set screws.