

## 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.