

**PART 1**      **GENERAL**

**1.1**            **RELATED SECTIONS**

- .1      Section 01 33 00 – Submittal Procedures.
- .2      Section 01 74 21 – Construction/Demolition Waste Management and Disposal.
- .3      Section 26 05 00 - Common Work Requirements - Electrical.
- .4      Section 26 05 21 - Wire and Cables 0-1000 V.
- .5      Section 26 05 28 - Grounding - Secondary.
- .6      Section 26 05 34 - Conduits, Conduit Fastenings and Conduit Fittings.

**1.2**            **REFERENCES**

- .1      Canadian Standards Association (CSA)
  - .1      CAN/CSA-C83, Communication and Power Line Hardware.

**1.3**            **REGULATORY REQUIREMENTS**

- .1      Co-ordinate and meet requirements of power supply authority. Ensure availability of power when required. All contribution-in-aid of construction to Utility authority for provision of building permanent power supply shall be covered by this contractor.

**PART 2**      **PRODUCTS**

**2.1**            **MATERIAL**

- .1      Service mast: epoxy coated, rigid, galvanized steel conduit, suitable for attachment of support clamps, insulator rack, weatherhead, service drop fittings.
- .2      Service mast support devices: as indicated.
- .3      Insulator rack: to CAN/CSA-C83, one, two, three or four wire, heavy duty, as indicated.
- .4      Weatherhead: epoxy coated, rigid galvanized steel conduit to approval of supply authority.
- .5      Epoxy coated, rigid galvanized steel conduit, fittings: in accordance with Section 26 05 34 - Conduits, Conduit Fastenings and Conduit Fittings.

- .6 Service drop conductors and supporting cable: in accordance with Section 26 05 21 - Wires and Cables (0-1000 V), copper, type RW90 XLPE, size and number of conductors as indicated.

### **PART 3**      **EXECUTION**

#### **3.1**      **INSTALLATION**

- .1 Install service mast, insulator rack, weatherhead.
- .2 Install meter socket and conduit.
- .3 Install service drop conductors allowing sufficient conductor length for connection to service equipment.
- .4 Allow sufficient conductor length for connection to supply by power supply authority.
- .5 Allow sufficient conductor length for drip loops.
- .6 Make grounding connections in accordance with Section 26 05 28 - Grounding - Secondary.

#### **3.2**      **FIELD QUALITY CONTROL**

- .1 Perform tests in accordance with Section 26 05 00 - Common Work Requirements – Electrical.
- .2 Perform additional tests as required by authority having jurisdiction.

**END OF SECTION**