

## **PART 1 GENERAL**

### **1.1 RELATED REQUIREMENTS**

- .1 Section 26 05 00 - Common Work Results for Electrical.

### **1.2 REFERENCE STANDARDS**

- .1 Canadian Standards Association (CSA International)
  - .1 CAN/CSA A23.1, last current edition, Concrete Materials and Methods of Concrete Construction/Methods of Test and Standard Practices for Concrete.

### **1.3 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
  - .1 Submit manufacturer's printed product literature, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.

### **1.4 QUALITY ASSURANCE**

- .1 Regulatory Requirements:
  - .1 Perform Work to comply with applicable Provincial/Territorial regulations.
  - .2 Co-ordinate and meet requirements of power supply authority.
    - .1 Ensure availability of power when required.
- .2 Certificates: submit certificates signed by manufacturer certifying materials comply with specified performance characteristics and physical properties.
- .3 Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence and cleaning procedures.

### **1.5 DELIVERY, STORAGE AND HANDLING**

- .1 Delivery and Acceptance Requirements:
  - .1 Deliver materials to site in original factory packaging, labelled with manufacturer's name, address.

## **PART 2 PRODUCT**

### **2.1 MATERIALS**

- .1 Underground ducts: rigid type PVC (schedule 40) color gray made with polychlorinated vinyl, ultraviolet resistant, made for 90 °C conductors certified CSA C22.2 No. 211.2, CSA C22.2 No. 211.0, conduit must have wall thickness of 6 mm for diameter of 102 mm.

- .2 Polymer draw box and cover without bottom as indicated.
- .3 Concrete: to CAN/CSA A23.1/A23.2.
- .4 Backfill: clean and free of debris.
- .5 Pulling Iron:
  - .1 22 mm diameter hot dipped galvanized steel bar with exposed triangular shaped opening.

### **PART 3 EXECUTION**

#### **3.1 APPLICATION**

- .1 Manufacturer's Instructions: comply with manufacturer's written recommendations, including product technical bulletins, handling, storage and installation instructions, and datasheets.

#### **3.2 INSTALLATION**

- .1 Install draw boxes and ducts as indicated.
- .2 Install concrete encased ducts for electrical systems as indicated and in accordance with CAN/CSA A23.1.
- .3 Install pulling irons as required.
- .4 Install a polypropylene fish cord.

#### **3.3 CLEANING**

- .1 Remove surplus materials, excess materials, rubbish, tools and equipment.
- .2 Waste Management: separate waste materials for recycling.

**END OF SECTION**