

PART 1 - GENERAL

1.1 RELATED SECTIONS

- .1 Section 26 05 00 Common Work Result – for Electrical.
- .2 Section 26 05 02 Electrical Basic Material and Methods.

1.2 REFERENCES

- .1 Canadian Standards Association (CSA International)
 - .1 CAN/CSA C22.2 No. 18-98(R2003), Outlet Boxes, Conduit Boxes, Fittings and Associated Hardware, A National Standard of Canada.
 - .2 CSA C22.2 No. 211.2-M1984(R2003), Rigid PVC (Unplasticized) Conduit.
 - .3 CSA C22.2 No. 45.1-07 Electrical Rigid Metal Conduit – Steel
 - .4 CSA C22.2 No. 227.1 Electrical Non-Metallic Tubing
 - .5 CSA C22.2 No. 85-M89 (R2006) Rigid PVC Boxes and Fittings
- .2 Ontario Provincial Standard Specifications
 - .1 OPSS 603 – Duct Installation

1.3 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product data: submit manufacturer's printed product literature, specifications and datasheets.
- .3 Quality assurance submittals:
 - .1 Test reports: submit certified test reports.
 - .2 Certificates: submit certificates signed by manufacturer certifying that materials comply with specified performance characteristics and physical properties.
 - .3 Instructions: submit manufacturer's installation instructions.

1.4 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
- .2 Place materials defined as hazardous or toxic waste in designated containers.
- .3 Ensure emptied containers are sealed and stored safely for disposal away from children.

PART 2 - PRODUCTS

2.1 CONDUITS

- .1 Rigid pvc conduit: to CSA C22.2 No. 211.2.

2.2 CONDUIT FITTINGS

- .1 Fittings: to CAN/CSA C22.2 No. 18, manufactured for use with conduit specified.
- .2 Ensure factory "ells" where 90 degrees bends for 25 mm and larger conduits.

2.3 FISH CORD

- .1 Polypropylene.

PART 3 - EXECUTION

3.1 MANUFACTURER'S INSTRUCTIONS

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

3.2 INSTALLATION

- .1 Install PVC conduits underground, in accordance with OPSS 603 and as indicated.
- .2 Install electrical non-metallic tubing into sleeves in pole footings in accordance with OPSS 603 and as indicated.
- .3 Field threads on rigid conduit must be of sufficient length to draw conduits up tight.
- .4 Install fish cord in empty conduits.
- .5 Remove and replace blocked conduit sections.
 - .1 Do not use liquids to clean out conduits.
- .6 Dry conduits out before installing wire.

3.3 CONDUITS UNDERGROUND

- .1 Slope conduits to provide drainage.

3.4 CLEANING

- .1 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

***** END OF SECTION *****