

PART 1 - GENERAL

- | | | |
|--|----|---|
| <u>1.1 REFERENCES</u> | .1 | Canadian Standards Association (CSA)
.1 CSA C22.2 No. 211.1-2006(R2011), Rigid
Types EBI and DB2/ES2 PVC Conduit. |
| <u>1.2 SUBMITTALS</u> | .1 | Make submittals in accordance with Section
01 33 00. |
| <u>1.3 WASTE
MANAGEMENT AND
DISPOSAL</u> | .1 | Separate and recycle waste materials. |
| | .2 | Remove from site and dispose of all packaging
materials at appropriate recycling facilities. |
| | .3 | Collect and separate for disposal paper,
plastic, polystyrene, corrugated cardboard,
packaging material in appropriate on-site bins
for recycling in accordance with Waste
Management Plan. |
| | .4 | Place materials defined as hazardous or toxic
in designated containers. |
| | .5 | Fold up metal banding, flatten and place in
designated area for recycling. |
| | .6 | Do not dispose of unused solvent cement into
sewer system, into streams, lakes, onto ground
or in other location where they will pose
health or environmental hazard. |

PART 2 - PRODUCTS

- | | | |
|---------------------------------------|----|--|
| <u>2.1 PVC DUCTS AND
FITTINGS</u> | .1 | Rigid PVC duct: to CSA C22.2 No. 211.1, Type
DB2/ES2, with fabricated moulded fittings, for
direct burial expanded flange ends, Trade size
6 5. Nominal length: 6 3 m plus or minus 12
mm. |
| | .2 | Rigid PVC split ducts. |
| | .3 | Rigid PVC bends, couplings, reducers, bell
end fittings, plugs, caps, adaptors same
product material as duct, to make complete
installation. |
-

- | | | |
|---|----|-------------------------------|
| 2.1 PVC DUCTS AND
FITTINGS
(Cont'd) | .4 | Rigid PVC 90° and 45° bends. |
| | .5 | Rigid PVC 5° angle couplings. |
| | .6 | Expansion joints as required. |

- | | | |
|------------------------------|----|-------------------------------------|
| 2.2 SOLVENT WELD
COMPOUND | .1 | Solvent cement for PVC duct joints. |
|------------------------------|----|-------------------------------------|

- | | | |
|--------------------------------|----|--|
| 2.3 CABLE PULLING
EQUIPMENT | .1 | 6 mm stranded nylon pull rope tensile strength 5 kN. |
|--------------------------------|----|--|

PART 3 - EXECUTION

- | | | |
|------------------|----|--|
| 3.1 INSTALLATION | .1 | Install duct in accordance with manufacturer's instructions. |
| | .2 | Clean inside of ducts before laying. |
| | .3 | Ensure full, even support every 1.5 m throughout duct length. |
| | .4 | Slope ducts with 1 to 400 minimum slope. |
| | .5 | During construction, cap ends of ducts to prevent entrance of foreign materials. |
| | .6 | Pull through each duct wooden mandrel not less than 300 mm long and of diameter 6 mm less than internal diameter of duct, followed by stiff bristle brush to remove sand, earth and other foreign matter. Pull stiff bristle brush through each duct immediately before pulling-in cables. |
| | .7 | In each duct install pull rope continuous throughout each duct run with 3 m spare rope at each end. |