

PART 1 - GENERAL

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| <u>1.1 RELATED WORK</u> | .1 | Section 31 23 10 - Excavating, Trenching and Backfilling - Excavation and Backfilling. |
| <u>1.2 PERFORMANCE CRITERIA</u> | .1 | Install conduit system in accordance with CSA C22.1. |
| <u>1.3 LOCATION OF CONDUIT</u> | .1 | Drawings do not indicate all conduit runs. Those indicated are in diagrammatic form only. |
| <u>1.4 MINIMUM SIZE CONDUIT</u> | .1 | The minimum size conduit used on this project shall be 21 mm, unless noted otherwise. |

PART 2 - PRODUCTS

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| <u>2.1 CONDUITS</u> | .1 | Rigid PVC conduit. |
| | .2 | Liquid tight flexible metal conduit as indicated on drawings. |
| <u>2.2 CONDUIT FASTENINGS</u> | .1 | Two (2) hole hot-dipped galvanized steel straps to secure surface conduits 50 mm and smaller. Two (2) hole hot-dipped galvanized steel straps for conduits larger than 50 mm. Secure conduits with conduit clamps spaced at intervals not exceeding 1500 mm on centre. Use hot-dipped galvanized steel straps for securing epoxy coated rigid steel conduit. Two (2) hole PVC straps for securing PVC conduit size according to manufacturer's |

recommendations.

2.3 CONDUIT FITTINGS

- .1 Fittings: Manufactured for use with conduit specified. Coating: same as conduit.
- .2 Factory "ells" where 90o bends are required for 1½" and larger conduits or where shown on drawings.
- .3 Rigid PVC couplings, reducers, bell end fittings, plugs, caps, adaptors as required to make complete installation.
- .4 Flexible PVC conduit and waterproof fittings as indicated on drawings.
- .5 Rigid steel couplings, reducers, bellend fittings, plugs, caps, adapters as required to make complete installation.

2.4 FISH CORD

- .1 Polypropylene.

2.5 SOLVENT
WELD COMPOUND

- .1 Solvent weld compound for PVC conduit joints.

PART 3 - EXECUTION

3.1 INSTALLATION

- .1 Use PVC conduit for all wiring, except where indicated otherwise on drawings.
- .2 Dry conduits out before installing wire.
- .3 Bend conduit cold. Replace conduit if kinked or flattened more than 1/10th of its original diameter.
- .4 Install fish cord in empty conduits.
- .5 Where conduits become blocked, remove and

replace blocked section.

- .6 Run parallel or perpendicular to wharf lines.
- .7 Do not pass conduits through structural members, except as indicated.
- .8 Conduit run in concrete deck to be run between reinforcing bars.