
Decommissioning, Demolition and Site Restoration SSB HQ
Southside Road, St. John's, NL
Project No. R.111146.001

2021/12/01

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PART 1 **GENERAL**

1.1 **REFERENCE STANDARDS**

- .1 Do the work in accordance with Canadian Plumbing Code and local authority having jurisdiction except where specified otherwise.

1.2 **SHOP DRAWINGS**

- .1 Submit shop drawings in accordance with Section 01 33 00 – Submittal Procedures.
- .2 Indicate dimensions, RSI-values, construction details and materials for the following:
 - .1 All piping and fittings.

1.3 **PRODUCT DATA**

- .1 Submit product data in accordance with Section 01 33 00 – Submittal Procedures.

1.4 **MAINTENANCE DATA**

- .1 Provide maintenance data for incorporation into manual specified in Section 01 33 00 – Submittal Procedures.
- .2 Data to include:
 - .1 Description of plumbing specialties and accessories, giving manufacturers name, type, model, year and capacity.
 - .2 Details of operation, servicing and maintenance.
 - .3 Recommended spare parts list.

PART 2 **PRODUCTS**

2.1 **EXTERIOR BURIED UNDERGROUND HYDRONIC PIPING**

- .1 General: Piping to be flexible corrosion proof plastic pre-insulated with outer jacket.
- .2 Carrier Pipe: Dual cross linked PEX pipes suitable for temperatures up to 96°C.
- .3 Insulation: Insulation to be factory applied closed cell polyurethane at a thickness of 32 mm.
- .4 Jacket: The outer protective jacket to be corrugated seamless polyethylene completely encompassing the insulation and providing a moisture barrier designed for H-20 loading at a burial depth of only 600 mm.
- .5 Fittings: All fittings to be by the same manufacturer as the piping system. Fittings to be brass and installed in accordance with manufacturers instructions.

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- .6 End Seals: All exposed insulation ends to be sealed with polyethylene end seals.

PART 3 **EXECUTION**

3.1 **INSTALLATION**

- .1 Install all piping, fittings, valves and specialties in accordance with the manufacturer's recommendations.
- .2 Test all piping to 1.5 times working pressure prior to burial.
- .3 Backfill in accordance with manufacturers instructions.

END OF SECTION