

Schedule D

Standards for Water Distribution Systems

1 Materials

- 1.1 Watermains - shall be class 52 ductile iron pipe, double cement lined meeting American Water Works Standards C151-1976.
- 1.2 Service Pipes - sizes 20mm through 50mm shall be type K soft seamless Copper Water Tube conforming to A.S.T.M. Specifications B88.
- 1.3 Service pipes larger than 50mm shall conform to the material requirements for watermains.
- 1.4 Valves - shall be of the solid wedge or double disc type meeting AWWA Standard C500-1971, with a clockwise closing direction.
- 1.5 Fittings - shall be cast or ductile iron, cement lined, conforming to AWWA Standard C110-1977.
- 1.6 Hydrants - shall be Terminal City Iron Works model TC-1 or TC-71P with one independent 65mm port, or City Engineer approved equal.
- 1.7 Valve Boxes, Meter Boxes, and Miscellaneous Appurtenances - shall conform to the City of Vancouver Water Works Manual, Section 407.
- 1.8 Corporation Brass - shall be Mueller model 110 compression fittings or City Engineer approved equal.

2 Design

- 2.1 Watermains and appurtenances shall be laid in accordance with the locations and sizes shown on a plan prepared by the City Engineer.
- 2.2 The locations of the watermains shall be within the newly created streets or on other existing streets.

3 Construction

- 3.1 Watermains and appurtenances shall be laid in accordance with AWWA Standard C600-77.
- 3.2 Backfill shall be in accordance with the City Engineering Department Manual of Backfill Procedures, 1970.

4 Inspection and Acceptance

- 4.1 All materials used for the installation of the water system shall be subject to the inspection and approval of the City Engineer.
- 4.2 The City Engineer shall have the authority to enter and inspect any part of the work and to withhold acceptance.
- 4.3 The subdivider shall give ample notice to allow the City Engineer to witness disinfection and hydrostatic testing.

5 Records

- 5.1 The City Engineer shall receive a complete set of records of the as-constructed water system, in a form acceptable to the City Engineer.

6 Connection to the City's Water System

- 6.1 The connection to the City's water system will be made by City work forces, at the cost of the subdivider.
- 6.2 The connection to the City system will not be made until the City Engineer has issued a letter of acceptance of the new water system.