

**Part 1            General**

**1.1                SECTION INCLUDES**

- .1            Materials and installation for watermains.

**1.2                RELATED SECTIONS**

- .1            Section 01330 - Submittal Procedures.
- .2            Section 02315 - Excavating, Trenching and Backfilling.
- .3            Section 02701 - Aggregates: General.

**1.3                References**

- .1            City of Winnipeg Standard Construction Specifications CW 2110 “Watermains”.
- .2            City of Winnipeg Standard Construction Specifications CW 2030 “Excavation Bedding and Backfill”.

**1.4                Submittals**

- .1            Submit shop drawings in accordance with Section 01330 - Submittal Procedures.
- .2            Submit manufacturer's test data and certification at least 4 weeks prior to beginning Work. Include manufacturer's drawings, information and shop drawings where pertinent.

**1.5                Waste Management and Disposal**

- .1            Separate and recycle waste materials.
- .2            Disposal of Unsuitable or Surplus Excavated Material:
  - .1            If the Contractor has not arranged for an approved disposal site, the City shall provide an optional disposal site for all surplus clean clay from the construction site. The material is not to include any refuse, concrete, metals, wood organics, construction waste or any other deleterious materials. Any surplus soil material not meeting these requirements shall not be considered clean clay and shall not be permitted.
  - .2            The disposal location provided by the City will be at the Summit Road Landfill Site. The Contract Administrator will make arrangements with Mark Kinsley (986-4463) at the landfill site for the disposal of the surplus soil material.
  - .3            There will be no tipping fees charged at the landfill sites to the Contractor for the disposal of surplus soil material meeting the requirements of clean clay as specified.

**1.6                Scheduling of Work**

- .1            Schedule watermain work in the vicinity of the building to occur after pile installation.

- .2 Notify Fire Department of any planned or accidental interruption of water supply to hydrants.
- .3 Provide "Out-of-Service" sign on hydrant not in use.

**Part 2 Products**

**2.1 Materials**

- .1 All materials used in the construction of watermains shall conform to City of Winnipeg Specification CW 2110.

**Part 3 Execution**

**2.2 Excavation and Backfill**

- .1 Excavate and backfill in accordance with City of Winnipeg Specification CW 2030 and CW 2110.
  - .1 Class B type 3 bedding and class 3 backfill shall be used for all watermain installation as per City of Winnipeg Standard Detail SD-001 and SD-002.

**2.3 Installation of Watermains**

- .1 Installation of watermains and all associated work shall conform to City of Winnipeg Specification CW 2110.
- .2 All watermains shall be installed in a trench.
- .3 Install hydrants at locations as indicated.

**END OF SECTION**