

**Part 1 - General**

**1.01 Description**

- .1 This Section specifies work to be performed under “Contingency Unit Price Items” at unit prices specified in the Form of Tender.

**1.02 Related Specifications**

- .1 Construction Specification Section 02315 - Trenching, Backfilling and Compacting
- .2 Construction Specification Section 02316 - Rock Excavation
- .3 Construction Specification Section 02511 - Watermains
- .4 Construction Specification Section 02700 - Site Restoration
- .5 Region of Durham Approved Manufacturers’ Product List
- .6 OPSS.MUNI 506 - Construction Specification for Dust Suppressants

**1.03 Contingency Unit Price Items**

- .1 Contingency Item Number 1 - Stone Below Bedding
  - .1 The unit price stated in the Form of Tender for this item shall be compensation in full for the supplying, placing, and compacting of 19 millimetre Clear Stone, Type I and/or 19 or 50 millimetre crusher run limestone below the specified pipe bedding, including excavation of unsuitable materials and disposal off site.
  - .2 Filter fabric, when required, shall be paid for “extra-over” to this item.
  - .3 Measurement for payment shall be based on the outer diameter of the pipe, plus 600 millimetre width for theoretical vertical walls, by approved extra depth and length required.
- .2 Contingency Item Number 2 - Extra Excavation
  - .1 Reference Construction Specification Section 02315

- .2 The unit price stated in the Form of Tender for this item shall be compensation in full for extra trench excavation when instructed by Contract Administrator for sewer or watermain work including service connections. The unit price shall also include backfilling and compacting of increased depth of trench, and disposal offsite of surplus materials.
- .3 Measurement for payment shall be based on the outer diameter of the pipe, plus 600 mm width for theoretical vertical walls, by approved extra depth and length required.
- .3 Contingency Item Number 3 - Labour Rates
  - .1 Include payroll burden, overhead and profit. These rates shall apply for all extra work performed on a Time and Materials basis.
  - .2 Foreman's rate to include supply of one vehicle for transporting crew members and hand tools.
  - .3 The Region will not compensate for travel time to and from the worksite.
- .4 Contingency Item Number 4 - Hydrant Extensions
  - .1 The unit price stated in the Form of Tender shall be compensation in full for the supply, handling, storage, excavation, and installation of extensions to the hydrant barrel and the secondary valve box and rod. Payment will only be made for extensions, which are in addition to the standard extensions specified in Section 02511 and any extensions specified on the Contract Drawings.
  - .2 Hydrant and secondary valve box extensions are to be installed at the time of hydrant installation. Hydrant flange grades shall be provided by the Contract Administrator prior to installation. Should the Contractor fail to follow the required grade, adjustment shall be made after the installation and all additional costs shall be at the Contractor's expense.
- .5 Contingency Item Number 5 - Locate water service or main valve box

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- .1 The unit price stated in the Form of Tender shall be compensation in full for excavating to expose a watermain or appurtenance, including service connections, to enable the Contract Administrator to inspect the condition. The unit price shall also include the subsequent backfilling and compacting of the excavation.
  - .2 Item Number 5.1 – Total exposure of the main stop, curb stop, main valve box and/or service pipe exclusively by hand or by machine including some hand excavation as require. Item Number 5.2 – Partial exposure of service box or main valve box exclusively by hand or by machine including some hand excavation as required to a maximum depth of one metre
  - .3 The location of the existing water service connection or main valve box is to be determined by the Contract Administrator. Where the location is undetermined, the Contractor shall be paid extra-over this contingency item to locate the existing service or main valve box.
  - .6 Contingency Item Number 6 - Water Service Box Repairs (Extra Over Contingency Item Number 5)
    - .1 Item Number 6.1 - New Water Service Box
      - .1 The unit price stated in the Form of Tender shall be compensation in full for supplying and installing a new water service box complete with stainless steel rod and brass pin and where required, setting the new service box on a new cedar block.
      - .2 If it is found that the rod in a damaged service box is satisfactory, then the Contractor shall only replace the service box. When this is the case, payment shall be made at the rate stated for Item Number 6.1, less the rate stated for Item Number 6.2.
    - .2 Item Number 6.2 - New Rod Only (Stainless Steel)
    - .3 The unit price stated in the Form of Tender shall be compensation in full for removing the existing water service box and rod, installing a new stainless-steel rod and brass pin and resetting the service box on a new cedar block.

- .4 Item Number 6.3 - New Lid Only
- .5 The unit price stated in the Form of Tender shall be compensation in full for removing a damaged water service box lid and supplying and installing a new lid including re-threading as required. The lid supplied must be a threaded type so that the lid can be screwed onto the service box.
- .6 Item Number 6.4 Rethreading only the unit price in the form of tender shall be compensation for rethreading only.
- .7 Items Number 6.5 to 6.8 - Water Service Box Extensions (Including Coupling)
  - .1 The unit price stated in the Form of Tender shall be compensation in full for supplying and installing a water service box extension including re-threading as required. The material used for an extension shall be black pipe, the same diameter as the service box. The pipe is to be threaded such that a galvanized coupling can be used to join the extension to the service box and the service box lid shall be screwed onto the extension. Under no circumstances are extensions to be used, which fasten to the service box by the tightening of a setscrew.
  - .2 When a water service box is required, coupled with other repairs for a water service connection, but not the complete replacement of the connection, the Contractor shall be paid under the unit rate for a water service box.
- .7 Contingency Item Number 7 - Modify Existing Valve Box
  - .1 The unit price stated in the Form of Tender shall include all plant, labour, equipment, and materials required to modify an existing screw-type valve box to a watermain slide-type valve box and adjust to grade.
  - .2 Valve boxes to be modified shall be designated by the Contract Administrator and no payment shall be made for any valve boxes modified if authorization is not first obtained from the Contract Administrator.

- .3 The excavating, exposing, and backfilling of a located main valve box shall be paid for under Contingency Item Number 5 above except where the main valve box is exposed during roadway construction. Boxes exposed within and/or as part of roadway excavation shall not be paid for under Contingency Item 5.
- .4 Contingency item Number 7.1 shall include removal and replacement of the top section of an existing screw type valve box including cutting off the threaded portion at the top of the bottom section. Contingency item Number 7.2 shall include removal and/or replacement only with a new lid.
- .5 Contingency item Number 7.3 shall include removal of the existing top section and supply and install a new top section of valve box.
- .6 Contingency item Number 7.4 shall include removal of any existing valve box extensions and/or supply and installation of a new valve box extension (intermediate section) based on a 450 millimetre height. Should a 300 millimetre extension be required there would not be a reduction in price, similarly should a 600 millimetre extension be required there would not be an increase in price.
- .7 Contingency item Number 7.5 shall include removal of the existing valve box bottom section and replacement with a new valve box bottom section.
- .8 Contingency item Number 7.6 shall include removal of the existing valve box and supply in place a new slider- type valve box complete with lid, top and bottom sections.
- .8 Contingency Item Number 8 - Trench Rock Excavation
  - .1 Reference Construction Specification Section 02316 - Rock Excavation. Minimum size of boulder to qualify for payment under this Contingency Item shall be one cubic metre..
  - .2 The unit price stated in the Form of Tender for this item shall be full compensation for excavating rock within trenches and disposal of surplus materials.

- .3 Contingency Item Number 9 - Calcium Chloride (Flake) Unit price stated shall be compensation in full for supply and application of flake calcium chloride in accordance with OPSS.MUNI 506. Measurement for payment shall be by mass, in tonnes.

#### **1.04 Basis of Payment**

- .1 All work covered under this Section shall be recorded on appropriate forms and no payment will be considered unless approved by the Contract Administrator.
- .2 Use of any of these Contingency Unit Price items shall be limited to a maximum of \$5,000 for each group of items (e.g., Contingency Item Number 1 - Stone Below Bedding). If payment for any of these groups of items exceeds \$5,000, the Contract Administrator may negotiate a new unit price for such work in accordance with the General Conditions.

END OF SECTION