

## **2016 Schedule for Deficiency Repairs, Watermain Commissioning and Water Infrastructure Inspections**

A complete list of prices are available on request, volume discounts available

### **Water Box Repair Description**

- Locate buried Water Box
- Raise or lower Water box up to 12"
- Cut & re-thread Water box to Lower more 12"
- Straighten Water box up to 12" below grade
- Supply & install new Water Box Head Center Nut
- Supply & install new Water Box Head
- Remove & replace damaged Water Box
- Flush-out dirt & Debris from inside Water Box
- Remove 2x4 stakes next to Water Box
- Remove PVC Pipe around Water box

### **Fire Hydrant Repair Description**

- Raise Hydrant in 6" increments
- Lower Hydrant in 6" increments
- Raise or lower Valve Box Upper Sleeve up to 12"
- Straighten upper Valve Sleeve only
- Straighten complete Valve Box with using Vacuum Truck
- Supply & install new Port or Storz Caps
- Grease all Ports & Storz with approved food grade grease
- Remove & replace damaged Valve Box Upper Sleeve
- Remove & replace damaged Valve Box Bottom Bell
- Paint Fire Hydrant to Town specs
- Attach Tracer Wires to Fire Hydrant Flanges

### **Valve Chamber Repair Description**

- Raise Frame & Cover by adding Modulocs (2" or 3" increments)
- Lower Frame & Cover by removing Modulocs (2" or 3" increments)
- Re-align Modulocs, Frame & Cover and re-parge
- Core-out new hole on Chamber roof slab to align with valve
- Remove loose Parging & re-parge Modulocs
- Raise or Lower Valve Box
- Remove & replace damaged Valve Box
- Supply & install new Chamber Steps
- Attach Tracer Wire to Chamber Walls
- Pump-out water from Valve Chamber if required to perform work
- Vacuum-out all dirt and debris from valve chamber (**confined Space**)

### **Roadside Catch basin Repair Description**

- Vacuum-out dirt and debris & Pressure Wash
- Remove loose parging & re-parge all Leads and Drains
- Supply & install new Cover only
- Supply & install new Frame & Cover

### **Rear Lot Catch basin Repair Description**

- Vacuum-out dirt and debris & Back Wash Storm line
- Remove loose parging & re-parge all Leads and Drains
- Supply & install new Cover only
- Supply & install new Frame only
- Supply & install new Frame & Cover
- Raise or lower Frame & Cover using Modulocs (2" or 3" increments)

### **Sanitary & Storm Manhole Repair Description**

- Remove loose Parging & re-parge all Modulocs
- Supply & install new Steps
- Supply & install new Manhole Frame & Cover
- Remove all materials from benching (**confined space**)

### **Municipal Water Infrastructure Inspection Description**

Water Box Inspections & Testing

Water Box Tie-ins

Tapping Valve /Line Valve Inspections & Testing

Valve Chamber Inspections & Testing

Fire Hydrant & Secondary Valve Inspections & Testing

Tracer wire Continuity testing

(Includes, a completed deficiency list on Town's standard inspection forms, painting all Water Box & Valve Box Heads "blue")

### **NOTE;**

A **25%** surcharge will apply to the all inspection rates during the winter season, i.e. from November 1<sup>st</sup> - April 30<sup>th</sup>. This cost, covers the extra time and equipment required to: locate & daylight (from under snow and ice), to melt ice, and to drain Fire Hydrants.

### **Water Main Testing & Commissioning**

- Swab all pipes as per Municipality's standards
- Perform water turbidity testing.
- Super-chlorinate/de-chlorinate watermains.
- Arrange for first and second water sampling for laboratory analysis with a Water Works Rep.
- Perform pressure test of watermains
- Provide copies of all test results to customers Consulting Engineers.

### **QUANTECH RESOURCE SERVICES**