

Contract Title Water Loss Management Implementation – Installation Tender Ref # 2441-0053101

Author Kevin Mohr, P.Eng Date February 9,, 2018

### Tender Document Revisions:

Item #	Section	Description
1	SGC 21.2.1	Replace “City of Cranbrook” with “ <i>the Owner</i> ”

### Clarifications:

#### Questions and Answers

1	Q:	<p>After reviewing the tender documents, I wondered if you may be able to provide any information regarding the soil classifications in Elkford, particularly relating to the area along Balmer Drive.</p> <p>Was a geotechnical investigation completed at any time?</p>
	A:	<p>We are expecting a gravelly till in this area. No Geotechnical investigation has been completed.</p>
2	Q:	<ol style="list-style-type: none"> <li>1) In Division 26 is this just for all works electrical? Does anything else need to be included?</li> <li>2) Concrete and Asphalt Removal quantities. Does that include work for the PRV locations? Or is that to be included with PRV items?</li> <li>3) There is no item for asphalt replacement. There is a comment under the waterworks portion that states “Surface Restoration under 31 23 01” does that mean asphalt and concrete replacement is to be included in the waterworks items?</li> <li>4) With the water tie-ins do we need to include the pipe and bends as well? Or is that included in the quantities?</li> <li>5) I assume the casing pipe is open cut not direction drilled?</li> </ol>
	A:	<ol style="list-style-type: none"> <li>1) Div 26 of the Schedule of Quantities and Prices itemizes Lump Sum payments for the work shown on the respective electrical drawings and is to be completed in accordance with the relevant specifications.</li> <li>2) This is payment for the removal of concrete, asphalt or other items within the road right of way that is necessary for the installation of electrical conduit. All removals required for the PRV and flow monitoring stations shall be considered incidental to each PRV station installation payment item. No removals are anticipated during the 300mm watermain installation.</li> <li>3) Asphalt restoration is considered incidental to each PRV and flow monitoring station. Base material thicknesses are specified under</li> </ol>

		<p>Supplementary Specification 31 23 01 SS. Assume there will be one (1), 75mm lift of either one of the following asphalt mixes:</p> <ul style="list-style-type: none"> <li>a) MMCD Upper Course #1 Mix, or</li> <li>b) BC MOTI Standards and Specifications for Highway Construction Medium Mix #19, in accordance with Section 502.</li> </ul> <p>4) The estimated quantities in the schedule of quantities and prices include the bends and other fittings.</p> <p>5) The encasement pipe is not open cut, it is to be installed by trenchless excavation.</p>
3	Q:	<p>We discussed what soil conditions were on the waterline up the hill and you mentioned that you thought they were a Till material.</p> <p>On detail G8 in the MMCD which pipe anchor do you foresee using? Alternative 1 or Alternative 2.</p>
	A:	<p>Please bid assuming the most economical detail is required. If larger anchor blocks are required due to poor soils being exposed this would be considered a change order.</p> <p>The minimum trench block spacing shall also be increased to 12.2m to align with standard pipe lengths..</p>

**List of attachments:**

**None**

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Tenderer's Signature