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**ADDENDUM NO. 1**

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**REQUEST FOR QUOTATIONS (RFQ) NO.:** 1220-040-2016-016

**TITLE:** WASTEWATER SEWER INFLOW & INFILTRATION -  
INVESTIGATION PROGRAM

**ADDENDUM ISSUE DATE:** FEBRUARY 4, 2016

**CLOSING DATE:** PREFER TO RECEIVE QUOTATIONS ON OR  
BEFORE FEBRUARY 9, 2016.

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**INFORMATION FOR CONTRACTORS**

This Addendum is issued to provide additional information to the RFQ for the above named project, to the extent referenced and shall become a part thereof. No consideration will be allowed for extras due to the contractor not being familiar with this addendum. This Addendum No. 1 contains two (2) pages plus one (1) page attachment for a total of three (3) pages.

Under SSP 19.1.1 CCTV Inspections General it states videos will be recorded in WMV format. This is to be corrected to videos can be recorded in MPEG 2 or WMV format

Attachment #5 Compliance to safety procedure, sanitary sewer flushing and problem reporting procedure has since been updated. Please see attached the updated version.

Q1. In Schedule C – Fees and Payments Table 1 – 3.0 Video Inspect sanitary lateral and prepare reports can the City clarify the difference between line a. and line b.

A1. There is a misprint in Line b. Line b. in the contract reads Flush and Video through Inspection Chamber. Line b. should read as Flush through Inspection Chamber

Q2. SSP 20 – Manholes calls for MACP Level 2 Inspections, which would require a manned, confined space entry for each manhole. Is this what Surrey wants.

A2. The City of Surrey **does not** require a manned, confined space entry into the manholes to perform MACP Level 2 Inspections. The City requires is a MACP level 2 inspection that is performed from surface level and the Contractor will enter all level 2 information to the best of their ability without entering the manhole. The City is aware some information, such as measurements, will not be as accurate. The City suggests that technology such as a pole cam, the equivalent or technology

more advanced be deployed to aid in the inspections of the manhole. The intent is to obtain detail imagery of the interior of the manhole that is an improvement over photos taken from above ground.

END OF ADDENDUM

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**All Addenda will become part of the RFQ Documents.**

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**SANITARY SEWER MAIN FLUSHING & CLEANING - BACK-PRESSURE AVOIDANCE**  
**AND PROBLEM REPORTING PROCEDURE**

**Back-Pressure Avoidance**

A Back-Pressure situation can develop when there is a significant change in pressure, either positive or negative, within the sewer system caused by the sewer flushing and cleaning. This change in pressure can force water and air towards the private plumbing system displacing water in toilets and p-traps within the building and impact private property.

To avoid a Back-Pressure situation it is critical that operators and contractors take precautions and follow the procedures outlined below:

- ❖ To reduce the chance of a Back-Pressure occurring in the building's plumbing system the operator or contractor flushing and cleaning the sewer must remove the Inspection Chamber lid(s) of the service connection(s) connected to the section of main (manhole to manhole) being flushed. Manhole covers, upstream and downstream of the main section being flushed must also be removed.
- ❖ The City documents and tracks these Back-Pressure occurrences in their Work Management System to ensure that a reoccurrence does not take place. This back-pressure list is updated when the list changes and is distributed to all contractors on the City's Hire Equipment and Contract lists. The operator or contractor is responsible to obtain the most recent and up to date Back-Pressure information and take the required precautions to avoid a Back-Pressure reoccurrence.
- ❖ The operator or contractor must be aware of the water pressure being applied and utilize the appropriate pressure to effectively clean the sewer system without using excessive pressure.
- ❖ The operator or contractor must ensure that they are maintaining and replacing their flushing equipment (nozzles, hoses, etc.) on a frequent basis. Worn or damaged sewer flushing equipment can cause an increase in both water discharged and air pressure when flushing and cleaning sewer systems.
- ❖ If a Back-Pressure situation occurs, the operator and contractor must immediately notify the City's Dispatch at 604.590.7226.
  - The contractor is fully responsible for any damage caused by the Back-Pressure situation, and shall be responsible to mitigate the situation with the property owner, including compensation.
- ❖ In the event the operator or contractor is requested by the City to clear a sanitary sewer inspection chamber blockage, the inspection chamber is to be vacuumed out in order to remove debris, and then flushed after plugging the private side of the sanitary inspection chamber. These steps will eliminate Back-Pressure and protect private property.

**Other Flushing and Reporting Procedures**

- ❖ In the process of flushing, debris such as gravel, etc. must be collected and removed (vacuumed) at the down-stream manhole and not released into the downstream system.
- ❖ The following conditions shall be reported to the City immediately, with pertinent information, such as asset type and identifying numbers, address or location, type of problem discovered or encountered and severity of problem, if known:
  - Grease in line;
  - Roots in line;
  - Blockages in line;
  - Large amounts of gravel, rocks or other debris;
  - Structural damage to line;
  - Infiltration at a manhole;
  - Structural damage in manhole;
  - Inability to locate or access an existing manhole or inspection chamber because it is buried or obstructed.
  - Damage to an inspection chamber and missing lids.