



City of Niagara Falls

Contract 2020-515-20 City Wide CIPP Sewer Rehabilitation Program

ADDENDUM # 3

This Addendum shall form an integral part of the contract document for the above noted project and shall be read in conjunction therewith. This Addendum shall, however, take precedence over all requirements of the previously issued contract documents, including plans, with which it may prove to be at variance, unless otherwise clarified by the Engineer.

This Addendum must be signed by the Tenderer in the appropriate space and must be attached to the Form of Tender for submission at the time of tendering. **Tenders not including this Addendum, signed as required, may be rejected as informal.**

1. For the liner specification provided under page SPCS39 showing below can you please advise which value should be the minimum for items 5.ii and 5.iii as you list 2 different values for each item.
 5. The liner shall meet or exceed the following structural properties:
 - i. Property ASTM Test Cured Composite (per ASTM F1216) Cured Composite (Enhanced Resin)
 - ii. Flexural Strength D790 31 MPa 27 MPa
 - iii. Flexural Modulus D790 and D2990 1,725 MPa 2,760 MPa
 - **The minimum requirements will be**
 - ii. **Flexural Strength D790 – 31MPa**
 - iii. **Flexural Modulus D790 and D2990 – 1725MPa**
2. Who will be responsible for the testing cost and what is the frequency of testing
 - **Costs for sample testing as requested under section 6.14 page SPCA-42 of the Special Provisions – Contract Items Supplementary will be incurred by The City of Niagara Falls. Costs for additional tests may be charged back to the Contractor if retesting is required due to samples not meeting the minimum requirements.**
 - **Samples submission requirements as stated in section 6.14 subsection 2. i. on page SPCS – 42. Frequency of testing will be at the City’s discretion.**
 - **Plate type samples will only be considered for sewer sizes greater than 450mm in diameter. The Contract Administrator will not accept plate type samples unless the Contractor can demonstrate to the satisfaction of the Contract Administrator that a restrained pipe sample cannot be done for a specific installation.**
3. Under ITEMS B2 AND B3 - CIPP LINING AND SPOT REPAIR – 6.7 bulletin 5. (Pg. SPCS 37) “The CIPP liner shall consist of one or more layers of glass reinforced fibre meeting requirements of ASTM F1216 or ASTM F1743” Is Felt tube acceptable in lieu of a reinforced tube.
 - **Alternate liner materials and curing methods are acceptable provided the liner meets the specified structural design parameters.**

4. On SPCS -40, 6.10. Installation and Curing of CIPP Liner – 10: Boiler water details for curing. Is steam cure method acceptable to the city for CIPP Installation?
- **Alternate liner materials and curing methods are acceptable provided the liner meets the specified structural design parameters.**

Date Issued: December 10, 2020

Issued By: 

Kurtis Bottrell, C.E.T.
 Infrastructure Services Supervisor,
 Municipal Works

The Tenderer shall take due notice of all revisions/clarifications and make allowance to his/her unit prices.

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| Signature of Company Representative: | |
| Name (Please Print): | |
| Company Name: | |
| Date: | |