



# BID OPPORTUNITY 429-2006 ADDENDUM No. 1

## 2006 SEWER RENEWALS BY CIPP LINING – CONTRACT 14

### **URGENT**

**PLEASE FORWARD THIS DOCUMENT TO  
WHOEVER IS IN POSSESSION OF THE BID  
OPPORTUNITY**

ISSUED: July 12, 2006  
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**THIS ADDENDUM SHALL BE INCORPORATED  
INTO THE BID OPPORTUNITY AND SHALL  
FORM A PART OF THE CONTRACT  
DOCUMENTS**

Template Version: A20050301

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**Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Bid Opportunity, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 10 of Form A: Bid may render your Bid non-responsive.**

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### **PART E – SPECIFICATIONS**

Delete: E2.3.7(f)

Revise: E2.4.1(b)(ii) to read: Continuous or discontinuous (every 5 metres) measurement of the height and width of the sewer along the entire length of the sewer. The actual measurements and distance of the measurements from the upstream manhole are to be visible on the measuring tape or device and recorded on the pre-design inspection and the post lining measurement inspection.

Delete: E2.4.3a(i)

Add: E2.4.3a(vi) Post-lining measurement inspection where required, subsequent to installing the CIPP. No coding of the submission will be required.

Delete: E2.4.3(b)

Revise: E2.4.3(d)(i) Necessary cleaning and pipe preparation work including internal sewer repairs have been satisfactorily completed.

Revise: E2.4.9(a)(i) to read: Full segment and partial full segment CIPP shall be cured by hot water.

Delete: E2.4.9(a)(ii)

Delete: E2.4.9(e)

Delete: E2.4.9(f)

Revise: E2.5.2 to read: Verification of existing sewer dimensions including the pre-design measurement inspection and post lining measurement inspection will not be measured for separate payment and will be included with CIPP installation.

Delete: E2.5.10(d)

Add: E3.4.9 Verification of Existing Sewer Dimensions

- (a) Prior to manufacturer of the point repair fabric tube for any location the Contractor shall site verify dimensional requirements (diameter, length, etc.) for each section of sewer where point repairs are proposed.
- (b) At each location a minimum of two sets of measurements shall be made on each pipe to confirm the existing pipe's cross section dimension. The measurements shall be made at the entrance of the pipe and at a distance of 500mm or greater within the section.
- (c) Cross sectional measurements shall be obtained by the use of a set of calibrated callipers, a steel tape or other suitable measuring device. A cloth or non-calibrated tape is not suitable for use. Measurements shall be accurate to +/- 1 mm.
- (d) Dimensional requirements for the remainder of the pipe shall be estimated based on the dimensional checks and maintenance inspections.

Add: E3.4.10 Installation of Internal Point Repair CIPP

- (a) Install internal point repair CIPP by inversion methods in accordance with ASTM F1216 or by pull-in methods in accordance with ASTM F1743-96.
- (b) Internal point repair CIPP shall be ambient or hot water cured.
- (c) Carry out workmanship in accordance with ASTM D5813.
- (d) Trim ends of CIPP neatly to fit flush with interior vertical surface and manhole benching and seal to make watertight.
- (e) Fill annular spaces where the CIPP does not make an adequate seal with the host pipe at manholes, termination points and sewer services due to broken or misaligned pipe with a resin mixture compatible with the CIPP.
- (f) Extend limits for internal point repairs a minimum of 300 millimetres in each direction beyond the limits of the defect to be repaired. Extend internal point repairs that terminate at sewer service services a minimum distance of 300 millimetres beyond the limit of the service.
- (g) Ensure termination points of internal point repairs provide a smooth and uniform flow transition to the host pipe for the full circumference of the repair.

Add: E3.6.11 Verification of Existing Sewer Dimensions

- (a) Verification of existing sewer dimensions including the pre-design inspection will not be measured for separate payment and will be included with CIPP internal point repair installation.