



342-2013 ADDENDUM 2

PLESSIS ROAD TWINNING AND GRADE SEPARATION AT CN REDDITT SUBDIVISION: RAIL SHOOFLY GRADE PREPARATION AND MISCELLANEOUS WASTEWATER SEWER, WATERMAIN AND LAND DRAINAGE WORKS

URGENT

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

ISSUED: May 28, 2013
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE BID OPPORTUNITY AND SHALL
FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: A20130301

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.

PART D – SUPPLEMENTAL CONDITIONS

Revise: D19.2(d) to read The Contractor shall note that longer term shutdown periods of **no greater than forty-eight (48)** hours in duration that require drainage of the Sub-Feedermain will only be permitted during periods of low water demands, typically between September 15 and June 1. Scheduling of work outside of this window may be permitted by the Contract Administrator, subject to review of demand forecasts, approval of the Water and Waste Department, receipt of detailed work planning and contingency plan.

Page numbering on some forms may be changed as a result.

PART E – SPECIFICATIONS

Add: E27.5(h) to read: Disinfection of Watermains

- (i) Disinfection of watermains and feeder mains shall be completed in accordance with CW 2125, except initial flushing of the 500 mm sub-feedermain may not be required.
- (ii) In accordance with Section 4.3 of AWWA Standard C651, the Contractor shall take every reasonable precaution during construction to prevent debris from entering the pipeline.
- (iii) Further to CW 2125 Table 2125.1, flushing volume of 150 L/s shall be utilized for cleaning to achieve target velocity of 0.76 m/s in the 500 mm sub-feedermain. Water shall be obtained from nearby hydrants. Alternately, sanitized pipeline flushing equipment shall be utilized to remove debris from pipeline and pipeline allowed to completely drain, prior to the disinfection process.
- (iv) Further to CW 2125 3.3.15, chlorinated water shall be discharged into Dugald Road Interceptor sewer, or de-chlorinated and into appropriately sized storm sewer. Local sewers are undersized for required flushing volume.
- (v) Further to CW 2125, disinfection of segments of watermains not disinfected as noted above, shall be completed by swabbing as outlined in Section 3.3.16 of CW 2125.

Add: E27.5(i): Watermain Connections

- (i) The 500 mm sub-feedermain shall be installed and isolated at both ends, pressure tested, flushed and disinfected. Upon receipt of the health tests, the Contractor shall have 24 hours to complete the connections at both tie-in points. Water will remain off for an additional 24 hours to allow sufficient time for the thrust blocks to gain strength. Concrete for the thrust blocks at tie-ins shall achieve 15 MPa strength in 24 hours.

Add: E27.5(j): Construction Staging on Dugald Road Watermain

- (i) Install the proposed 300 mm water valve on Dugald Road east of Plessis to minimize disruption of service to businesses, including off-hours, weekends or other period agreeable to businesses.

SITE INVESTIGATIONS QUESTIONS AND ANSWERS

- Q1. *What are the repercussions to the contractor as a result of the lack of secondary water feed to South Transcona?*
- A1. The Contractor shall stage watermain construction activities and relocations such that service to South Transcona remains within shutdown guidelines as per CW1120 Clause 3.6.
- Q2. *What are the repercussions to the contractor if the connections to the 500mm watermain cannot be done in a 12 hour period?*
- A2. See revised clause D19.2(d) in Addendum 2. The Contractor shall provide temporary water as per CW 1120 Clause 3.6.
- Q3. *Is the contractor expected to perform both tie ins to the 500mm watermain concurrently?*
- A3. See revised clause E27.5(h) in Addendum 2.
- Q4. *If both connections must be done concurrently, where do you suggest that we obtain enough water to meet the flushing requirements?*
- A4. See revised clause E27.5(h) in Addendum 2.
- Q5. *At the pre-tender meeting you indicated that AECOM was contemplating the notification of the public in regards to water main shut offs. Has this been formalized and what if anything must the contractor do to assist the consultant?*
- A5. The Contract Administrator will notify the public in regard to watermain construction, in advance of commencement of works on Site. The Contractor shall provide notification of shutoffs as per CW 1120 Clause 3.6.