

# Addendum/Addenda

No./N°

1

Project Description / Description de projet

**Sanitary and Storm Sewer Separation – Phase 3****Montreal Road Campus**

Solicitation No./ N° de sollicitation

18-22005

Project No./N° de projet

5097-3

W.O. No./N° d'ordre de travail

Departmental Representative /  
Représentant Ministériel

Doug Sanftenberg

Date

May 28, 2018

**Notice:**

This addendum shall form part of the tender documents and all conditions shall apply and be read in conjunction with the original plans and specifications.

**Nota:**

Cet addenda fait partie intégrale des dossiers d'appel d'offres; toutes les conditions énoncées doivent être lues et appliquées en conjonction avec les plans et les devis originaux.

**This document must be integrated in the contract documents and shall be read with them.**

**The Bidders must ensure that the addendum(s) is (are) listed on the Tender Form and that the associated costs are included in the Tender Price.**

The following items were discussed at the Site Showings, May 22nd and May 24th 2018 :

1. Signing "sign-in" sheet at Job Showing is mandatory. Bids will not be opened if Proponent's name does not figure on "sign-in" sheet.
2. DOS is mandatory. Corporate DOS is sufficient for now. Refer to Specifications to more details.
3. Tender Dates,  
Closing, June 12, 2018 at 2pm  
Deadline to submit Alternates or Questions, May 29, 2018  
Deadline for NRC to submit Addendum, June 1, 2018  
Project Completion Date, December 15, 2018
4. NRC anticipates to award a contract by the end of June 2018
5. The contract is Lump Sum, refer to the Specifications, Section 001100 page 2
6. Proponents must carry and provide "Photographic Documentation Service" during construction. Refer to Specifications, Appendix C, for more details.
7. Project design is Invert sensitive. The sanitary sewer must be a gravity system.
8. Draw attention to Dwg. C307-4, Disturbed sub-grade, refer to Note 14.1 on Dwg. C302-2

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9. Proponents **MUST** carry a cash allowance of \$200,000.00 to pay for associated costs to modify water mains in conflict with the new sewer as directed by the Departmental Representative and any chlorination/disinfection of modified watermain performed by the City of Ottawa.
10. Dwg. 5097-C207-1 is included to show the location of the head wall at Wanaki Road. Pipe rail Detail referenced on Dwg. C308-8
11. The pumping of existing septic tanks will be by NRC.
12. Pre-excavation survey and vibration monitoring (buildings, watermain, tunnels, etc.) is required before the start of the project. Refer to Drawings and Specifications for more details.
13. It is expected that hydro-vac excavation near existing services and/or existing buildings such as watermain, gas main electrical ductbanks
14. In conjunction with NRC the Contractor will be required to input into the development of a Traffic and Communication Plan
15. Contractor Site Office/Staging Area; gravel area in front of M3
16. Work Staging, to minimize inconvenience and to ensure traffic flow and access for emergency vehicles NRC will recommend that the Contractor mobilize with 2 crews near Buildings M24 and M20.
17. Truck access is expected to be from the Blair Road entrance
18. The following is a list of Items raised and discussed by CIMA+ and referenced to the Drawing 5097-C302-1 and 2 and the Specification;
  - Existing Utilities, Sewers, Watermain and U/G Infrastructure throughout work site. Contractor must perform locates prior to excavation. (3.6)
  - No removals plan provided. Removals required to complete proposed work are up to the Contractor. Contractor to reinstate site per existing conditions except otherwise indicated. (3.8) (7.4)
  - Removals of trees greater than / equal to 300 mm DBH. (1.22)
  - Relocation of trees less than 300 mm DBH. (1.22)
  - Traffic Control (pedestrian, cycling and vehicular). Contractor must maintain safe access to all during construction. (7.6)
  - Maintain services to building at all times. Working on live sewers must be expected. (3.12)
  - Working near live watermain not permitted. It is expected temporary watermain may be required. (10.1)
  - No Blasting will be permitted during this phase of the project. Hoe-ramming must be expected. (5.2)
  - The Contractor must protect and maintain all existing infrastructure (buildings, sewers, watermain, utilities, tunnels, etc.). Where deep excavation near existing buildings is required, the Contractor must submit a work plan (shop drawing). (3.3)
  - Sewer holding tanks: full and partial removals (3.11)
  - Contractor is responsible for coordination with the Geotechnical Engineer of record during construction. (4.1, 4.2, 4.3)
  - Provide safe access and egress to all buildings, at all time. Provide Traffic Control Plans ((Drawing 5097-C302-1/2, notes 1.19 and note 7.6)
  - Tunnel Crossings and Directional Drilling (Drawing 5097-C302-2, notes 12.1 to 12.3)

#### 19. DRAWING 5097-C307-4

On drawing 5097-C307-4, the size of manhole STM-303 must be changed from 1800 mm in diameter to 2400 mm in diameter.

#### 20. DRAWING 5097-C307-6

On drawing 5097-C307-6, the size of manhole STM-309 must be changed from 1200 mm in diameter to 1500 mm in diameter.

#### 21. DRAWING 5097-C302-2

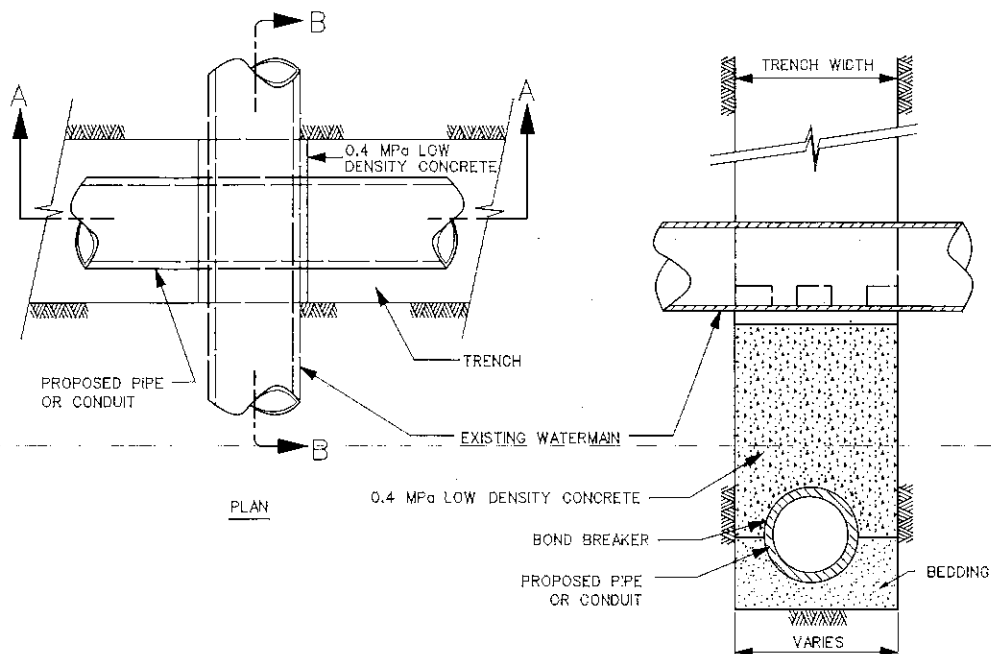
On drawing 5097-C302-2, note 8.2 shall read:

“The Contractor shall determine the exact invert (geodetic elevation), diameter and construction material of the existing conduits at the proposed connections **and crossings**. The Contractor shall carry out, if necessary, all exploratory excavations required to determine the exact location and inverts of existing underground infrastructure. The exploratory information shall immediately be provided to the Departmental Representative prior to undertaking any municipal services work and a 48 hour period must be allocated to the Departmental Representative for design review. **At crossings with existing utilities (hydro, gas, watermain, sewers, etc.), the Contractor must provide temporary support of the existing utilities as per detail 337 (shown on drawing 5097-C308-1), and complete the work as per City of Ottawa standard details W29 and W29.1.**”

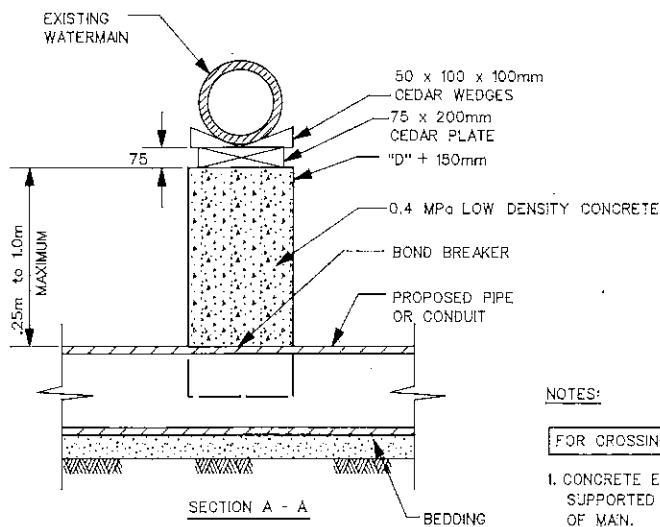
#### 22. DRAWING 5097-C302-2

On drawing 5097-C302-2, note 12.1 shall read:

“Where proposed pipes cross below existing tunnels and/or watermain (**equal or large than 300 mm in diameter**), the Contractor must install the new pipe using directional drilling in accordance with OPSS 450.”



FINISH GRADE



**NOTES:**

FOR CROSSING WITH A CLEARANCE LESS THAN 1m

1. CONCRETE ENCASED STEEL MAINS SHALL BE SUPPORTED WITH CONCRETE TO UNDERSIDE OF MAIN.
2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS SHOWN OTHERWISE.

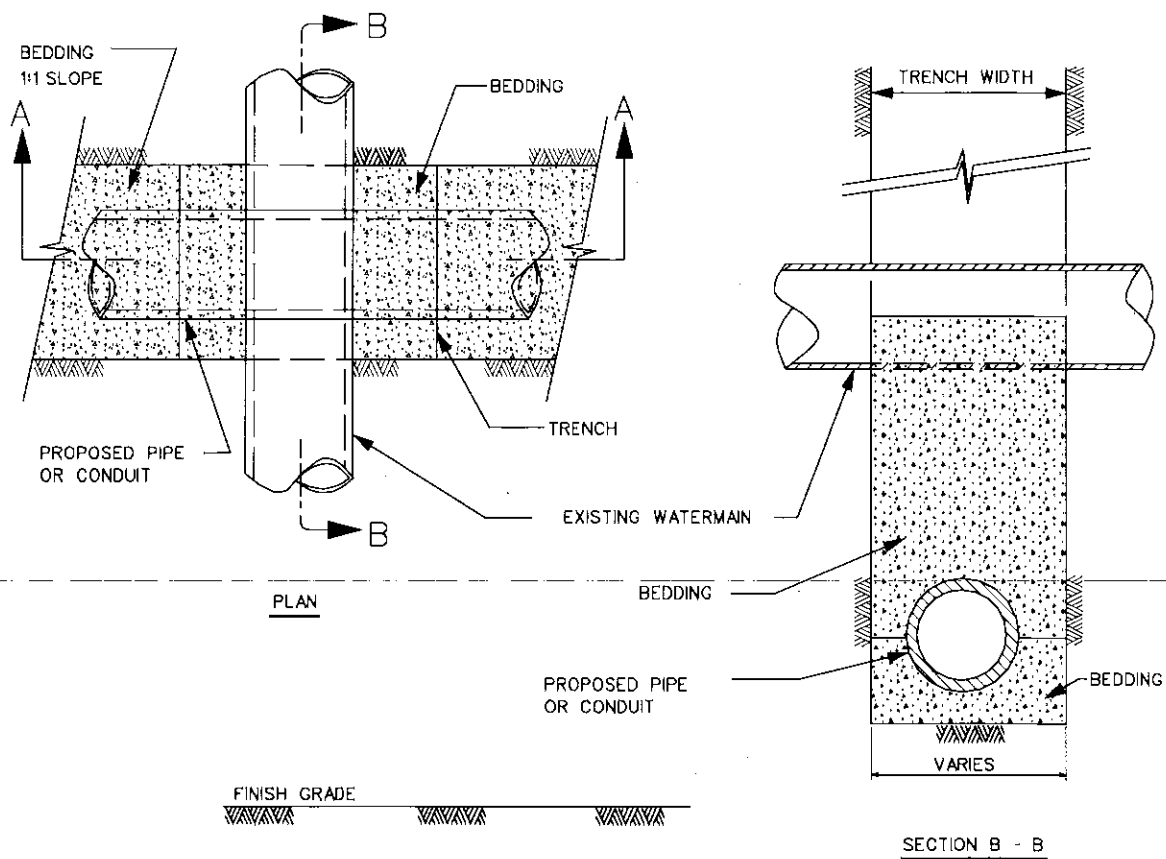


# SUPPORT DETAIL FOR CROSSING BELOW AN EXISTING WATERMAIN

DATE: MAY 2001

REV. DATE: NONE

DWG. No.: W29



**NOTES:**

FOR CROSSING A CLEARANCE OF 1m OR MORE.

1. IF ACCESSIBILITY PREVENTS SPECIFIED COMPACTION FROM BEING REACHED, SUBSTITUTE 0.4 MPa LOW DENSITY CONCRETE FOR GRANULAR BEDDING IN THE AFFECTED AREA.



SUPPORT DETAIL FOR CROSSING  
BELOW AN EXISTING WATERMAIN

DATE: MAY 2001

REV. DATE: MARCH 2003

DRG. No.: W20.1