

# CITY OF RICHMOND INVITATION TO TENDER

## Contract T.3240

### Contract: Drainage Upgrades Garden City Rd: Westminster Hwy to Lansdowne Rd

The City of Richmond invites tenders for construction work at the above-mentioned locations. Work under the Contract generally comprises:

30m of 1.80mm by 0.90mm box culvert, 390 meters of 1050mm diameter storm sewer upgrade complete with 6 manholes of various sizes;

The *Contract Documents* are available on or after April 23, 2008 during normal business hours at Front of House of the Richmond City Hall at:

6911 No. 3 Road, Richmond, BC, V6Y 2C1

on payment of a **non-refundable** amount of \$50.00 including GST payable to:

#### City of Richmond

The *Contract Documents* are available for viewing at:

Front of House, Richmond City Hall, 6911 No. 3 Road, Richmond and Vancouver Regional Construction Association, 3636 East 4th Avenue, Vancouver.

#### Tenders are scheduled to close at:

**Tender Closing Time:** 3:00 PM local time

**Tender Closing Date:** Thursday, May 15, 2008 and will be opened publicly immediately thereafter at Richmond City Hall.

**Tender Submission Address:** Manager – Purchasing & Risk  
Front of House, Richmond City Hall  
6911 No. 3 Road, Richmond, BC, V6Y 2C1

A valid tender consists of a submission delivered on time complete with the required Bid Bond, Undertaking of Surety and Undertaking of Liability Insurance.

The lowest or any tender will not necessarily be accepted.

**Manager – Purchasing & Risk**



## City of Richmond

6911 No. 3 Road, Richmond, BC V6Y 2C1

Telephone (604) 276-4000

www.city.richmond.bc.ca

April 24, 2008

File: 10-6340-20-P.07302/Vol 01

**Engineering**

Telephone: 604-276-4289

Fax: 604-276-4197

TO THOSE WHO HAVE RECEIVED COPIES OF T.3420

Dear Sir/Madam:

**Re: Contract T.3420  
Addendum No. 1  
Drainage Upgrades Garden City Rd: Westminster Hwy to Lansdowne Rd**

This addendum forms part of the Contract Documents and shall be read, interpreted and coordinated with all other parts. The costs of all work contained herein shall be included in the Contract Price. The following revisions supersede the information contained in the original Contract Document to the extent referenced and shall become part thereof.

**Tenderers shall acknowledge receipt of this addendum by inserting its number and date where provided for on the Form of Tender.**

### 1. INVITATION TO TENDER

*Remove the following paragraph.*

30m of 1.80mm by 0.90mm box culvert, 390 meters of 1050mm diameter storm sewer upgrade complete with 6 manholes of various sizes;

*and replace with*

30m of 1800mm by 900mm box culvert, 390m of 1050mm diameter storm sewer upgrade complete with 6 manholes of various sizes;

### 2. INSTRUCTION TO TENDERERS

#### SECTION A – INSTRUCTION TO TENDERERS – PART I

Introduction 1.1 (page A-3) is amended as follows:

*Remove the following paragraph.*

30m of 1.80mm by 0.90mm box culvert, 390 meters of 1050mm diameter storm sewer upgrade complete with 6 manholes of various sizes;

*and replace with*

30m of 1800mm by 900mm box culvert, 390m of 1050mm diameter storm sewer upgrade complete with 6 manholes of various sizes;

**3. FORM OF TENDER**

Appendix 1 – SCHEDULE OF QUANTITIES AND PRICES

Item A-2 (page B-9) is amended as follows:

*Remove the following.*

Supply and install storm sewer box  
culvert complete

(a) 1.80x0.90mm box culvert

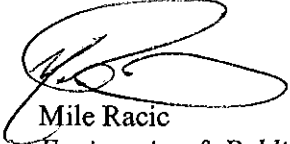
*and replace with*

Supply and install storm sewer box  
culvert complete

(a) 1800x900mm box culvert

A revised Appendix 1 for Storm Sewer Items is attached to this addendum

Yours truly,



Mile Racic

*Engineering & Public Works*

City of Richmond  
 Contract T.3240  
 Drainage Upgrades  
 Garden City Rd: Westminster Hwy to Lansdowne Rd

B-9  
 R-1

**SCHEDULE OF QUANTITIES AND PRICES**

ITEM NO.	DESCRIPTION	UNIT	EST. QTYS	UNIT PRICE (\$)	TOTAL AMOUNT (\$)
<b>A</b>	<b>STORM SEWER ITEMS</b>				
<b>A-1</b>	Supply and install storm sewer pipe complete (a) 1050mm dia pipe	Lin. m.	391		
<b>A-2</b>	Supply and install storm sewer box culvert complete (a) 1800x900mm box culvert	Lin. m.	31		
<b>A-3</b>	Supply and install manholes:				
	(a) 1500mm dia manhole	Each	3		
	(b) 2100x1200mm sump box manhole	Each	1		
	(c) 2100x2100mm sump box manhole	Each	1		
	(d) 2400x2100mm sump box manhole	Each	1		
<b>A-4</b>	Connect box culvert and new main to existing MH2	Lump Sum			
<b>TOTAL FOR STORM SEWER ITEMS – ITEM A (Carry forward to Tender Summary)</b>					<b>\$</b>



## City of Richmond

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6911 No.3 Road, Richmond, BC V6Y 2C1  
Telephone (604) 276-4000  
www.city.richmond.bc.ca

May 7, 2008  
File: 10-6340-20-P.07302/Vol 01

**Engineering**  
Telephone: 604-276-4289  
Fax: 604-276-4197

TO THOSE WHO HAVE RECEIVED COPIES OF T.3240

Dear Sir/Madam:

**Re: Contract T.3240  
Addendum No. 2  
Drainage Upgrades Garden City Rd: Westminster Hwy to Lansdowne Rd**

This addendum forms part of the Contract Documents and shall be read, interpreted and coordinated with all other parts. The costs of all work contained herein shall be included in the Contract Price. The following revisions supersede the information contained in the original Contract Document to the extent referenced and shall become part thereof.

**Tenderers shall acknowledge receipt of this addendum by inserting its number and date where provided for on the Form of Tender.**

### 1. QUESTIONS RECEIVED FROM CONTRACTORS & SUBSEQUENT ANSWERS

1. Q Are precast manholes an acceptable alternate? Ocean's boxes are 2.4x1.5 and 2.4x2.4.  
A: Yes, precast manholes are acceptable. Manholes to have minimum dimensions as shown on the engineering drawings, larger manholes may be accepted with approval from the Contract Administrator. Contractor to ensure that there is no conflict with existing utilities, if they choose to provide a larger manhole.
2. Q: Are the trench details suggestions and not requirements with regards to slope and final restoration?  
A: The side slopes detailed are only suggestions. Final asphalt restorations will be according to Bylaw 7869 based on initial trench width. All works to conform to WorkSafeBC standards.
3. Q MMCD requires video only on piping less than 900mm. Is this still required?  
A: Yes, a video inspection is required.
4. Q: Can the spoil material be left adjacent to the works? The area between 1+09 and 4+90 is generally low.  
A: The Contractor shall bid assuming all spoil material will be removed and disposed off-site. The City may consider a proposal as a contemplated change order once the Contract has been

awarded.

5. Q: SSP12 refers to legal survey replacement. Is it likely we will remove any survey while constructing this project?  
A: The Contractor is responsible for determining which legal pins; monuments etc. will be impacted by the proposed scope of work and make an allowance accordingly.
6. Q: Is the final patching of Westminster Hwy to be done between 22:00 and 06:00 as well?  
A: Yes.
7. Q: How many signs are we going to be required to install for Richmond?  
A: Five (5) traffic advisory signs will be required. The City will provide locations upon award.
8. Q: There is a signal pole at 1+10 which will need to be removed for the box culvert installation. Who does this work?  
A: City operations staff and their subcontractor (Cobra) will be responsible for any traffic signal works at the City's cost. Refer to SSP7.
9. Q: The hydrant lead at 1+12 will need to be relocated.  
A: If required, the City will temporary remove the hydrant at station 1+12 at the City's cost.
10. Q: The final overlay area between 1+09 and 1+46 needs to be defined. The bylaw requires one lane to be overlayed, but in this area there is a bus turnout, a bike lane and the road. How far out do we mill and overlay?  
A: The Contractor is responsible for final mill and pave up to the first painted line not affected by the initial works. It is anticipated that the final mill and overlay from sta 1+09 to 1+46 will be up to the east painted bike lane line.
11. Q: Who does the line painting restoration?  
A: The City will be responsible for permanent line painting restorations at the City's cost. The Contractor will be responsible for any temporary line taping to ensure the site is safe until the City can complete its work.
12. Q: In order to determine the scope of work for the junction box removal and reinstatement in the area of 1+09 to 1+30, a drawing showing the electrical layout in that area would be helpful.  
A: City operations staff and their subcontractor (Cobra) will be responsible for any traffic signal/electrical works at the City's cost. Refer to SSP7.
13. Q: Since the area affected by the storm work is unlikely to be maintained with regards to final landscaping, I suggest that the requirement for topsoil and seeding be waived and merely hydroseed this area.  
A: The Contractor shall bid according to the detail for seeded topsoil restoration for landscaped areas. The City may consider a proposal as a contemplated change order once the Contract has been awarded.

Yours truly,



Mile Racic  
*Engineering & Public Works*



## City of Richmond

6911 No.3 Road, Richmond, BC V6Y 2C1  
Telephone (604) 276-4000  
www.city.richmond.bc.ca

May 14, 2008  
File: 10-6340-20-P.07302/Vol 01

**Engineering**  
Telephone: 604-276-4289  
Fax: 604-276-4197

TO THOSE WHO HAVE RECEIVED COPIES OF T.3240

Dear Sir/Madam:

**Re: Contract T.3240  
Addendum No. 3  
Drainage Upgrades Garden City Rd: Westminster Hwy to Lansdowne Rd**

This addendum forms part of the Contract Documents and shall be read, interpreted and coordinated with all other parts. The costs of all work contained herein shall be included in the Contract Price. The following revisions supersede the information contained in the original Contract Document to the extent referenced and shall become part thereof.

**Tenderers shall acknowledge receipt of this addendum by inserting its number and date where provided for on the Form of Tender.**

**1) For all instances, change the tender closing date from Thursday May 15, 2008 to Tuesday May 27<sup>th</sup>, 2008 3:00pm P.S.T.**

**2) CONTRACT DRAWINGS**

Drawing Lc-1126, sheet 1 of 2 is revised as follows:

For plan & profile drawing replace EX MH2 at station 1+09.20 with new MH 7

MH 7 requires removal of existing approximate 2.0m dia. MH (incorrectly identified as existing 2.00 x 1.80 CIS MH) and install new 2.40 x 1.50 sump box MH and connect 1.80 x 0.90 box culvert (S), 1050dia. (W), 1200dia. (N) and 600dia. (E).

**3) FORM OF TENDER**

Appendix 1 – SCHEDULE OF QUANTITIES AND PRICES (page B-9)

- a) Add Item A-3 (e) 2400x1500mm sump box manhole
- b) Delete Item A-4
- c) Add Item A-5 Engineered design of box culvert connection

A Revised Schedule of Quantities and Prices (R-2) for Pay Item A is attached to this addendum

**4) SUPPLEMENTARY SPECIFICATIONS (SSP)**

SSP 4 Engineered Design of Box Culvert Connections (page D-8) is amended as follows:

*Delete the section.*

**The Contractor shall submit an engineered design for the box culvert connections to MH 1 and EX MH 2 with the seal of a professional Engineer registered in B.C. The design must be submitted prior to construction for the Contract Administrators review and approval.** The Contractor shall bear all costs in connection with the design necessary for the proper construction of the Work.

*And replace with*

**The Contractor shall submit an engineered design for the box culvert connections to MH 1 and MH 7 with the seal of a professional Engineer registered in B.C. The design must be submitted prior to construction for the Contract Administrators review and approval.** The Contractor shall bear all costs in connection with the design necessary for the proper construction of the Work.

**5) MEASUREMENT OF AND PAYMENT OF WORK**

SECTION A – STORM SEWER ITEMS (page D-24)

- a) Delete Item A-4 Connect box culvert and new main to existing MH2
- b) Add

**Item A-5**

**Engineered design of box culvert connection**

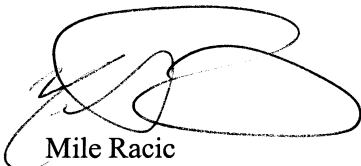
Payment for this item will be made at the lump sum price tendered, to provide an engineered design for the connection of the box culvert to MH 1 and MH 7 as per SSP4.

**6) TEST HOLE**

Contractors are invited to witness a test hole excavation along the proposed storm sewer alignment to assess existing ground conditions. The City will excavate near stations 1+70 and 4+40 on Garden City Rd to an approximate 3m depth.

The test hole will occur on **Wednesday May 21, 2008 at 9:00a.m.** All attendees to have proper safety attire including hard hat, safety vest and steel toed boots.

Yours truly,



Mile Racic  
*Engineering & Public Works*



**SCHEDULE OF QUANTITIES AND PRICES**

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<b>A-5</b>	Engineered design of box culvert connection	Lump Sum			
<b>TOTAL FOR STORM SEWER ITEMS – ITEM A (Carry forward to Tender Summary)</b>					<b>\$</b>