



TENDER 19-07

WATERFRONT SEWER UPGRADES PHASE II

ADDENDUM NO. 3

April 4th, 2019

This addendum forms part of the Tender Documents and shall be read, interpreted, and coordinated with all other parts. The costs of all elements contained herein shall be included in the submission. The following revisions, changes, corrections, additions, and or deletions supersede the information contained in the original Documents to the extent referenced and shall become part thereof.

Addendum Item 1 - Questions and Answers

1. **Proponent Question:**

Could you please indicate if at the end of each work day the contractor will be allowed to leave the excavation open and / or covered w/steel plates with traffic directed via delineators and signage?

Response:

It is expected that there will be periods where the trench excavation is left open between working days. The contractor will be responsible to ensure all open excavations are properly delineated and secured to ensure public safety. In addition Contractor's Traffic Management Plan will be required to fully describe all necessary detour routing for vehicles and pedestrian in full conformance with the contract requirements.

2. **Proponent Question:**

Bid items 27 & 28, where is this 200mm line & tie in?

Response:

The 200mm line is at STN 1+341 and related to the Pinecrest gravity drop.

3. **Proponent Question:**

Bid items 33 & 35, are these part of the Air Valves & Low Pt drain details? And if so for the 200mm GV should they not be 3 FL x H & 3 H x H?

Response:

See items 35a and 35b in the updated Schedule of Quantities and Prices issued with this Addendum.

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4. Proponent Question:

Bid items 52 & 53, are these items for SMH 10? And if so should they not be 1200mm diameter?

Response:

Correct, see updated items 52, 53 and 54 of the Schedule of Quantities and Prices attached to this Addendum.

5. Proponent Question:

In the Phase 2 tender they added items for trench dewatering. Could the same be done for phase 3 or is it not expected to be needed.

Response:

The addition of de-watering items 4a, 4b and 4c as Optional Work items to Tender 19-07 has been done so as to consider item 6.1.2 of the EBA Geotechnical Report attached to this tender.

There is no similar requirement in Tender 19-08 as the ground water conditions are expected to not require this level of effort.

Both of the above projects will have future tenders in 2020 and will contain any relevant language to de-watering as determined at the time those future tenders are posted.

6. Proponent Question:

Bid item 45, this fitting will only work for option 1, are you going to create an item for option 2? And if so can we use a DI tee for the PVC option, don't know if this fitting will work on PVC pipe.

Response:

The Romac STS420 tapping sleeve will work for both the HDPE and PVC pipe options.

7. Proponent Question:

It looks like you are missing the second tie in for Option 1 HDPE, unless bid item 39 (1 Lump sum) is supposed to cover both tie ins?

Response:

Item 42a relates to the tie-in of the proposed PVC SFM to the existing 750 mm diam. SFM.

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8. Proponent Question:

Option 2 PVC pipe, if DI fittings are used for bends and tees, are pipe restrainers required?

Response:

This item is to be added and included and will be treated as *Optional Work*. See item 3 of this Addendum and item 32b in the updated Schedule of Quantities and Prices attached to this Addendum

9. Proponent Question:

Bid item 49, are we to allow for the connection of catch basin leads to this line? And if so what size are they?

Response:

Yes the existing 200 mm diam. PVC catch basin lead is to connect to the proposed 900 mm diam. storm drain.

10. Proponent Question:

As per the City requirement to have all questions submitted no later than April 3, 2019, we would also request that no Addenda or changes to the tender be issued within 1 week of tender closing.

Response:

See response to question no. 11 below.

11. Proponent Question:

Would you reconsider the cut-off dates for questions on both these projects? Your current date of April 3rd, is 7 days prior to the Hwy 19A closing date and 9 days prior to the closing date on Waterfront PH2. This is well outside the industry typical deadline of 48 hrs. prior to closing.

Response:

Yes an extension to this cut-off date will be granted. All questions regarding this tender must be submitted to the City in writing at purchasing@campbellriver.ca **no later than 3:00pm (local time) on Wednesday April 10th, 2019**. Any questions received after this date and time will not be accepted. All efforts will be made to post final Addendum by end of day April 10, 2019.

Addendum Item 2 – Updated Tender Documents

The tender documents have been updated as follows and are attached to this addendum:

1. The Schedule of Quantities and Prices have been revised, replace Appendix 1A (issued 28 Mar19) with **Appendix 1B (issued 04Apr19)**, Updated items are highlighted in green.

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Addendum Item 3 – Supplementary Specification 33 34 01 SEWAGE FORCEMAINS

1.8 Measurement and Payment

.2 ***(Delete clause 1.8.2 and replace with the following:)***
Payment for sanitary sewage forcemains includes saw cut pavement, trench excavation, disposal of surplus material, supply and installation of all pipe, related materials, gaskets, bedding, imported or native backfill as shown on the Contract Drawings, cleaning, pressure and leakage testing, flushing, all surface restoration as specified under Section 31 23 01 – Excavating, Trenching and Backfilling – 3.6, except permanent pavement restoration, and all other work and materials necessary to complete the restoration as shown on the Contract Drawings and as specified under this Section.

1.8 Measurement and Payment

.13 ***(Add the following clause 1.8.13:)***
Payment for joint and pipe restraints shall be *Optional Work* and will be made on a per unit basis for all materials, work and incidentals to install joint restraints between pipes and fittings described by the following specification:

For all sewage forcemain pipe joints and fittings which are to be restrained are to use restraint devices for PVC pipe, which shall incorporate a series of serrations on the inside diameter to provide positive restraint, exact fit, and full contact and support of the pipe wall. Restraint devices shall be manufactured of high strength ductile iron, ASTM A536, Grade 65-45-12 or ASTM A36 structural steel. Bolts to be SAE J429 Grade 5, and connecting hardware shall be of high strength low alloy material in accordance with ANSI / AWWA C111/A21.11.

All restraint devices for PVC pipe shall have a working pressure rating equivalent to the full rated pressure of the PVC pipe on which they are installed, with a minimum 2:1 safety factor in any nominal pipe size. Restraint devices for Mechanical Joint or Push-on fittings shall be manufactured by a facility independently certified to ISO 9001 quality standard and shall be Uni-Flange® 1300 or approved equal

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End of Addendum No.3

Acknowledgement of this Addendum in your Tender submission is required.

Clinton J. Crook, SCMP, CPSM
Purchasing & Risk Management Officer

Appendix 1B

(issued 04April2019)

SCHEDULE OF QUANTITIES AND PRICES – GST EXCLUDED
(See paragraph 5.3.1 of the Instructions to Tender – Part II)
(All prices and Quotations including the Contract Price shall include all Taxes, but shall not include GST, GST shall be shown separately)

Item	MMCD Ref.	Description	Unit	Quantity	Unit Price	Amount
01 - GENERAL ITEMS						
01 01 01 Mobilization and Demobilization						
1	1.1.1-1.1.5	Mobilization & Demobilization (maximum 10% of Tender Price)	LS	1		
01 33 01 Project Record Documents						
2	1.8.1	Project record documents	LS	1		
01 52 01 Temporary Structures						
3	1.6.1	Temporary structures	LS	1		
01 53 01 Temporary Facilities						
4	1.9.1	Sanitary facilities, site storage, loading and hoardings	LS	1		
4a	1.9.1	Mobilization & demobilization of well pointing de-watering and water treatment equipment (<i>Optional Work</i>)	LS	1		
4b	1.9.2	Operation and maintenance of well pointing de-watering equipment (<i>Optional Work</i>)	day	56		
4c	1.9.3	Operation and maintenance of water treatment equipment (<i>Optional Work</i>)	day	56		
01 55 00 Traffic Control, Vehicle Access and Parking						
5	1.5.1	Traffic control, vehicle access and parking	LS	1		
01 57 01 Environmental Protection						
6	1.6.1	Temporary erosion and sediment control	LS	1		
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Item	MMCD Ref.	Description	Unit	Quantity	Unit Price	Amount
31 - EARTHWORKS						
<u>31 22 16.1 Reshaping Existing Subgrade</u>						
7	1.4.2	Remove unsuitable subgrade <i>(Optional Work)</i>	m ³	100		
<u>31 23 01 Excavating, Trenching and Backfilling</u>						
8	1.10.3	Over-excavation including backfilling <i>(Optional Work)</i>	m ³	150		
9	1.10.9	Pre-locate all the existing utilities	ea	63		
<u>31 23 17 Rock Removal</u>						
10	1.6.4/5	Boulders and rock fragments - blasting not permitted <i>(Optional Work)</i>	m ³	50		
<u>31 23 23 Controlled Density Fill</u>						
11	1.4.1	CDF (Pipe 200 mm diameter)	m	43		
<u>31 24 13 Roadway Excavation, Embankment and Compaction</u>						
11a	1.8.5	Common excavation, off-site disposal	m ³	15		
32 - ROADS AND SITE IMPROVEMENTS						
<u>32 01 16.7 Cold Milling</u>						
12	1.5.1	Milling 200mm wide for permanent pavement restoration, 50mm depth	m	1 975		
<u>32 11 16.1 Granular Subbase</u>						
12a	1.4.2	Granular subbase	T	40		
13	1.4.2	Granular subbase <i>(Optional Work)</i>	T	250		
<u>32 11 23 Granular Base</u>						
14	1.4.1	Granular base <i>(Optional Work)</i>	T	150		
15	1.4.5	Gravel shoulder restoration 19 mm gravel; 100 mm thk	m ²	900		
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Item	MMCD Ref.	Description	Unit	Quantity	Unit Price	Amount
<u>32 12 16 Hot-Mix Asphalt Concrete Paving</u>						
16	1.5.7	Saw cut asphaltic or concrete pavements in preparation for permanent pavement restoration, all depths	m	2 000		
17	1.5.9	Coordination of Owner's Asphalt Contractor	LS	1		
<u>32 17 23 Painted Pavement Markings</u>						
18	1.5.2	Paint fog line on Hwy 19A	LS	1		
19	1.5.3	Thermoplastic zebra crosswalk	LS	1		
<u>32 91 21 Topsoil and Finish Grading</u>						
19a	1.4.1	Imported topsoil	m ³	20		
<u>32 92 19 Hydraulic Seeding</u>						
19b	1.8.1	Hydraulic seeding; lawn mix	m ²	200		
33 - UTILITIES						
<u>33 01 30.1 CCTV Inspection of Pipelines</u>						
20	1.6.2	CCTV pipeline inspection	m	2 367		
<u>33 11 01 Waterworks - Imported Backfill</u>						
21	1.8.1/2	Pipe - 200 mm diam. C900 DR18; all depths	m	6		
22	1.8.3	Bends - 200 mm diam.	ea	4		
23	1.8.5	Remove and replace service connection pipe across trench - 19 mm diam.	ea	14		
24	1.8.5	Remove and replace service connection pipe across trench - 25 mm diam.	ea	1		
25	1.8.5	Remove and replace service connection pipe across trench - 38 mm diam.	ea	1		
26	1.8.14	Tie-in - 200 mm to be performed by Contractor; STA 1+688	ea	1		
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Item	MMCD Ref.	Description	Unit	Quantity	Unit Price	Amount
<u>33 30 01 Sanitary Sewers - Imported Backfill</u>						
27	1.6.1/2	Pipe - 200 mm diam. PVC DR35; 3m - 4m depth	m	7		
28	1.6.3	Remove and replace service connection pipe across trench - 100 mm diam.	ea	18		
29	1.6.7	Tie-in - 200 mm diam. pipe into existing 200 mm diam. CI pipe	ea	1		
<u>33 34 01 Sewage Force mains - Imported Backfill</u>						
30	1.8.1/1	Pipe - 150 mm diam. PVC at 3m - 4m depth	m	11		
Option 1 - HDPE Sewage Force main						
31	1.8.1/2	Pipe - 813 mm diam. HDPE DR21 at <2m depth	m	92		
32	1.8.1/2	Pipe - 813 mm diam. HDPE DR21 at 2m - 3m depth	m	1871		
Option 2 - PVC Sewage Force main						
31a	1.8.1/2	Pipe - 750 mm diam. PVC SDR-32.5 PC125 at <2m depth	m	92		
32a	1.8.1/2	Pipe - 750 mm diam. PVC SDR-32.5 PC125 at 2m - 3m depth	m	1871		
32b	1.8.13	750mm Diam. PVC Joint Restraint – (Optional Work)	ea	330		
33	1.8.3	Gate valve - 100 mm, FL - FL	ea	3		
34	1.8.3	Gate valve - 150 mm, FL - H	ea	1		
35a	1.8.3	Gate valve - 200 mm, FL - H	ea	3		
35b	1.8.3	Gate Valve – 200mm H – H	ea	3		
36	1.8.5	Test point	ea	2		
Option 1 - HDPE Sewage Force main						
37	1.8.5	Air release valve chamber; HDPE tee	ea	3		
38	1.8.5	Blow-down chamber; HDPE tee	ea	3		
39	1.8.10	Tie-in - 813 mm diam. pipe into existing 750 mm diam. sewer	LS	1		
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Item	MMCD Ref.	Description	Unit	Quantity	Unit Price	Amount
Option 2 - PVC Sewage Forcemain						
40a	1.8.5	Air release valve chamber; epoxy coated DI tee on PVC mainline	ea	3		
41a	1.8.5	Blow-down chamber; epoxy coated DI tee on PVC mainline	ea	3		
42a	1.8.10	Tie-in - 750 mm diam. pipe into existing 750 mm diam. forcemain	LS	1		
43	1.8.10	Tie-in - 750 mm diam. FL gate valve to 813 mm diam. pipe at STA 0+000	LS	1		
Option 1 - HDPE Sewage Forcemain						
44	1.8.11	Bend 813 mm HDPE DR21 - 22.50 degree	ea	2		
Option 2 - PVC Sewage Forcemain						
44a	1.8.11	Bend 750 mm epoxy coated DI - 22.50 degree	ea	2		
45	1.8.11	Romac STS 420 tapping sleeve; 813 mm O.D. to 150 mm	ea	1		
Option 1 - HDPE Sewage Forcemain						
46	1.8.11	Electrofusion couplings - 813 mm OD <i>(Optional Work)</i>	ea	20		
47	1.8.12	EZ valve installation to isolate the Pinecrest drop	LS	1		
<u>33 40 01 Storm Sewers - Imported Backfill</u>						
48	1.6.1/2	Pipe - 600 mm diam. PVC ribbed; 1m - 2m depth	m	70		
49	1.6.1/2	Pipe - 900 mm diam. PVC ribbed; 1m - 2m depth	m	30		
50	1.6.9	Tie-in - 900 mm diam. pipe into new DMH	ea	2		
51	1.6.10	Precast concrete headwall incl trash rack; Langley Type II; 600 mm diam. pipe	ea	6		
<u>33 44 01 Manholes and Catchbasins</u>						
52	1.5.1.1	Manhole base, lid, slab, cover and frame - 1200 mm diam.	ea	1		
53	1.5.1.2	Manhole riser section - 1200 mm diam.	Vert. m	3		
54	1.5.5	Outside ramp manhole - 1200 mm diam.	ea	1		
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SUMMARY

Sub-Total Page 9:	\$
Sub-Total Page 10:	\$
Sub- Total Page 11:	\$
Sub-Total Page 12:	\$
Sub-Total Page 13:	\$
Sub-Total	\$
GST (5%):	\$
GRAND TOTAL:	\$

The Tenderer shall determine the lower cumulative total for either **Option 1** or **Option 2** and include this lower cumulative total in calculating the total tender value.

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