



TENDER 18-13

WATERFRONT SEWER UPGRADES PHASE I

ADDENDUM NO. 2

May 17th, 2018

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:

Supplementary Specifications Removals Section 01 62 00 par 1.1.1 states thatremoval of existing handrail and interlocking concrete blocks, both to be used for the new interlocking concrete block and railing;.... Supplementary Spec 03 30 55 Precast interlocking blocks page 1 of 4 1.0 Products .1 Only new interlocking blocks will be accepted. Please clarify whether the blocks and handrails are to be re-used?

Response:

The reuse of the existing lock blocks is permitted if they are in good condition.

2. Proponent Question:

Precast Interlocking Blocks Section 03 30 55. 1.0 Products .2 Specifications for Blocks. Blocks would have to be poured specifically to meet these specifications at a significantly higher cost. Locally sourced inventory of lock blocks are made from surplus concrete from previous pours and are more economically priced. No. 1 blocks are single pours with no cold joints, however are not consistently 30 mpa or matching colour. Is it the intent to use lock blocks specifically poured to meet the specifications in these documents?

Response:

Lock blocks poured to meet the specifications in the documents. Change required strength to 20MPa from 30Mpa.

3. Proponent Question:

If the existing blocks are re-used, will cores be required to ensure they meet the specifications?

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Response:

Yes

4. Proponent Question:

Lock Blocks. Drawing sheet 9 indicates a compressive strength of 20 mpa, Specifications Section 03 30 55 page 2 of 4 indicate 30 mpa. Which is correct?

Response:

Lock blocks shall be 20Mpa.

5. Proponent Question:

There is section in the specifications for a carbon odour control unit. There does not seem to be any indication of this on the drawings or in the schedule of quantities. Please provide more details regarding this unit.

Response:

Disregard the odour control unit specifications. Odour control is not part of the scope of work.

6. Proponent Question:

Please confirm that there is no asphalt pavement included in this contract, and all notes referring to asphalt reinstatement are for reference only.

Response:

Correct, asphalt by others. Preparation of base for paving by others to be included in this contract.

7. Proponent Question:

The MMCD S7 Sanitary Sewer Connection drawing, indicates that the connection to the main can be "insert a tee fitting, when permitted". Can the 100mm connections on the 750 PVC sanitary main be made with insert a tee connections?

Response:

The City's engineering standards under Bylaw 3419, requires that for "all service connections to new mains shall be accomplished by wye branches."

8. Proponent Question:

Ribbed PVC pipe (Korflo) is being called for in the other City of Campbell River Sewer project out to tender. The waterfront Upgrade documents appear to call for SDR only. Can Korflo be utilized in this project as well?

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Response:

KorFlo is acceptable.

9. Proponent Question:

Both item 28 and 29 of the tender from mention sawcutting asphalt or concrete at 50mm thickness. The 3 bore hole results indicate 100mm thickness for the asphalt on the Island Hwy. Do you want to change the wording in these two items?

Response:

Depth of milling in the Schedule of Quantities and Prices is correct; purpose of the mill is primarily to prepare the forming of lap joints.

10. Proponent Question:

The Geotech report suggests that the installation will likely be 1-1.6m below the water table. Can we consider using pea gravel or birdseye in the bedding zone?

Response:

Substitution of the pipe bedding material will be made in the field. Incorporation of pea gravel or birds eye material in saturated trenches will be accepted

11. Proponent Question:

The Note #3 on sheet C102 refers to "50dia PVC low pressure sanitary service..." There is no 50mm piping in the Schedule of Quantities. Should this read "150mm dia"?

Response:

The Schedule of Quantities and Prices is to be revised, replace Appendix 1 with **Appendix 1A (issued 17May18)**, as attached. Updates are shown in bold and highlighted yellow.

End of Addendum

Acknowledgement of this Addendum in your Tender submission is required.

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

Appendix 1A (issued 17May18)

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						
<u>01 01 01 Mobilization and Demobilization</u>						
1	1.1.1-1.1.5	Mobilization & Demobilization (maximum 10% of Tender Price)	LS	1		
<u>01 33 01 Project Record Documents</u>						
2	1.8.1	Project record documents	LS	1		
<u>01 52 01 Temporary Structures</u>						
3	1.6.1	Temporary structures	LS	1		
<u>01 53 01 Temporary Facilities</u>						
4	1.9.1	Sanitary facilities, site storage, loading and hoardings	LS	1		
<u>01 55 00 Traffic Control, Vehicle Access and Parking</u>						
5	1.5.1	Traffic control, vehicle access and parking	LS	1		
6	1.5.2	Dynamic message signs; optional	wk	26		
<u>01 62 00 Removals</u>						
7	7.1.5	Removals	LS	1		
<u>01 57 01 Environmental Protection</u>						
8	1.6.1	Temporary erosion and sediment control	LS	1		
03 - CONCRETE						
<u>03 30 20 Concrete Walks, Curbs and Gutters</u>						
9	1.4.4	Hand formed curb and gutter - barrier curb to Std. Drg. C4	m	216		
10	1.4.5	Sidewalk including ramps, 100 mm thick, c/w granular base; Std. Drg. C2	m ²	357		
11	1.4.6	Concrete driveway panels; 125 mm thick [8 driveways]	m ²	290		
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Item	MMCD Ref.	Description	Unit	Quantity	Unit Price	Amount
12	1.4.11	Remove and replace brick pavers	m ²	242		
		03 30 55 Precast Interlocking Blocks				
13	1.3.1/2	Interlocking Blocks	m ²	70		
		31 - EARTHWORKS				
		31 22 16 Reshaping Granular Roadbeds				
14	1.4.1	Asphalt restoration preparation [15 driveways]	m ²	135		
15	1.4.5	Temporary gravel running surface	LS	1		
		31 22 16.1 Reshaping Existing Subgrade				
16	1.4.2	Remove unsuitable subgrade; optional work	m ³	150		
		31 23 01 Excavating, Trenching and Backfilling				
17	1.10.3	Over-excavation including backfilling; optional	m ³	150		
18	1.10.9	Pre-locates of key utilities prior to start of construction	ea	3		
19	1.10.9	Pre-locate all the existing sanitary services	ea	71		
		31 23 17 Rock Removal				
20	1.6.4/5	Boulders and rock fragments - blasting not permitted; optional	m ³	50		
		31 23 23 Controlled Density Fill				
21	1.4.1	CDF; pipe 200 mm diam.	m	785		
22	1.4.1	CDF; pipe 250 mm diam.	m	565		
		32 - ROADS AND SITE IMPROVEMENTS				
		32 01 16 Cold Milling				
23	1.5.1	Milling 200mm wide for permanent pavement restoration, 50mm depth	m	3438		
		32 11 16.1 Granular Subbase				
24	1.4.2	Granular subbase; optional work	T	375		
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Item	MMCD Ref.	Description	Unit	Quantity	Unit Price	Amount
<u>32 11 23 Granular Base</u>						
25	1.4.1	Granular base; optional work	T	87		
26	1.4.5	Gravel driveway restoration 19 mm gravel; 100 mm thk [15 driveways]	m ²	192		
27	1.4.5	Gravel driveway restoration Blue Chip; 100 mm thk; optional	m ²	36		
<u>32 12 16 Hot-Mix Asphalt Concrete Paving</u>						
28	1.5.7	Saw cut asphaltic or concrete pavements in preparation for new asphalt concrete; 50 mm depth; mainline	m	2818		
29	1.5.7	Saw cut asphaltic or concrete pavements in preparation for new asphalt concrete; 50 mm depth; service connections	m	620		
30	1.5.9	Coordination of Owner's Asphalt Contractor	LS	1		
<u>32 17 23 Painted Pavement Markings</u>						
31	1.5.2	Permanent painted pavement marking	LS	1		
<u>32 93 01 Planting of Trees, Shrubs and Ground Covers</u>						
32	1.9.5	Landscape restoration	ea	21		
33	1.9.5	Landscape restoration; optional [342 & 352]	ea	2		
33 - UTILITIES						
<u>33 01 30.1 CCTV Inspection of Pipelines</u>						
34	1.6.2	CCTV pipeline inspection	m	1572		
<u>33 11 01 Waterworks - Imported Backfill</u>						
35	1.8.1/2	Pipe - 25 mm diam. PE PC150; all depths	m	141		
36	1.8.1/2	Pipe - 300 mm diam. C900 DR18; all depths	m	6		
37	1.8.4	Service connection - 19 mm diam., all lengths	ea	1		
38	1.8.4	Service connection - 25 mm diam., all lengths	ea	1		
39	1.8.13	Tie-in - 300 mm to be totally performed by Contractor; 2+330	ea	1		
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Item	MMCD Ref.	Description	Unit	Quantity	Unit Price	Amount
<u>33 30 01 Sanitary Sewers - Imported Backfill</u>						
40	1.6.1/2	Pipe - 200 mm diam. PVC DR35; < 2 m depth	m	10		
41	1.6.1/2	Pipe - 250 mm diam. PVC DR35; < 2 m depth	m	75		
42	1.6.1/2	Pipe - 250 mm diam. PVC DR35; 2 m - 3 m depth	m	82		
43	1.6.1/2	Pipe - 250 mm diam. PVC DR35; 3 m - 4 m depth	m	60		
44	1.6.1/2	Pipe - 750 mm diam. PVC DR35; < 2 m depth	m	233		
45	1.6.1/2	Pipe - 750 mm diam. PVC DR35; 2 m - 3 m depth	m	724		
46	1.6.1/2	Pipe - 750 mm diam. PVC DR35; 3 m - 4 m depth	m	225		
47	1.6.1/2	Pipe - 750 mm diam. PVC DR35; 4 m - 5 m depth	m	124		
48	1.6.3	Service connection - 100 mm diam., all lengths	ea	66		
49	1.6.3	Service connection - 150 mm diam., all lengths	ea	5		
50	1.6.4	Inspection Chamber	Ea	71		
51	1.6.7	Tie-in - 250 mm diam. pipe into existing 1050 mm diam. MH [EX SMH4]	ea	1		
52	1.6.7	Tie-in - 250 mm diam. pipe into existing 200 mm diam. AC pipe with MH [SMH3]	ea	1		
53	1.6.7	Tie-in - 750 mm diam. pipe into existing 1050 mm diam. sewer with MH	ea	1		
<u>33 34 01 Sewage Forcemains - Imported Backfill</u>						
53a	1.8.1/2	Pipe – 50 mm diam. PVC – Pressure Class C165	m	64		
54	1.8.1/2	Pipe - 75 mm diam. PVC - Pressure Class C165	m	141		
55	1.8.1/2	Pipe - 750 mm diam. PVR at 2m depth - Pressure Class C165	m	28		
56	1.8.3	Bend 45 deg. - 75 mm PVC Pressure Class C165	ea	2		
57	1.8.11	Cap - 750 mm	ea	1		
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Item	MMCD Ref.	Description	Unit	Quantity	Unit Price	Amount
<u>33 40 01 Storm Sewers - Imported Backfill</u>						
58	1.6.1/2	Pipe - 600 mm diam. PVC ribbed	m	22		
59	1.6.1/2	Pipe – 750mm csp	m	15		
60	1.6.9	Tie-in - 600 mm diam. pipe into existing DMH	ea	1		
<u>33 44 01 Manholes and Catchbasins</u>						
61	1.5.1.1	Manhole base, lid, slab, cover and frame - 1050 mm diam.	ea	1		
62	1.5.1.1	Manhole base, lid, slab, cover and frame - 1350 mm diam.	ea	19		
63	1.5.1.1	Manhole base, lid, slab, cover and frame - 1800 mm diam.	ea	1		
64	1.5.1.2	Manhole riser section - 1050 mm diam.	Vert. m	4.5		
65	1.5.1.2	Manhole riser section - 1350 mm diam.	Vert. m	46.3		
66	1.5.1.2	Manhole riser section - 1800 mm diam.	Vert. m	3.9		
67	1.5.4	Rebench existing manhole	ea	3		
68	1.5.5	Outside ramp manhole base, lid, slab, cover and frame - 1050 mm diam.	ea	1		
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SUMMARY

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Sub-Total:

GST (5%):

Total:

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