


INVITATION TO TENDER "ITT" NO. PS20180617  
CONSTRUCTION OF SEWER AND WATERWORKS RENEWAL - VANCOUVER WEST  
PACKAGE NO. 2

QUESTIONS AND ANSWERS NO. 5

ISSUED ON June 13, 2018

Q1	Please confirm that all water services are to be 40mm from the new main to the property line then reduced down to meet the noted size on the drawings.
A1	All noted replace services that are smaller than 40mm will be upsize to 40mm from water main to property line and reduce to connect to existing service on private side.
Q2	<p>When the drawings note;</p>  <p>Does this mean that the service is to be replaced from new main to PL?</p>
A2	Yes.
Q3	If the above is required it would seem all services have to be replaced from new main to PL? When would a transfer be used?
A3	The above service replacement notation applies only to property where it is noted. Services on property that do not have the note will be subjected to change over (transfer) from old water main to new water main.
Q4	The COV Water Standard Drawings for 40mm Water Services show a Meter & Box - are we responsible for supply & installation of these?

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	<div><p style="text-align: center;">40 &amp; 50mm</p><p style="text-align: center;">FOR CLASS 52 DUCTILE IRON</p><table><tr><th>PIPE DIAMETER (mm)</th><th>MAXIMUM TAP WITHOUT SADDLE (mm)</th><th>MAXIMUM TAP WITH SADDLE (mm)</th></tr><tr><td>100</td><td>20</td><td>50</td></tr><tr><td>150</td><td>20</td><td>50</td></tr><tr><td>200</td><td>25</td><td>50</td></tr><tr><td>250</td><td>25</td><td>50</td></tr><tr><td>300</td><td>40</td><td>75</td></tr></table><p style="text-align: center;">TAPPING SLEEVE REQUIRED FOR CITY WATERMAIN 300 # &amp; SMALLER</p></div>	PIPE DIAMETER (mm)	MAXIMUM TAP WITHOUT SADDLE (mm)	MAXIMUM TAP WITH SADDLE (mm)	100	20	50	150	20	50	200	25	50	250	25	50	300	40	75
PIPE DIAMETER (mm)	MAXIMUM TAP WITHOUT SADDLE (mm)	MAXIMUM TAP WITH SADDLE (mm)																	
100	20	50																	
150	20	50																	
200	25	50																	
250	25	50																	
300	40	75																	
A4	New meter and meter boxes not shown on drawings are not required when replacing 20mm service with 40mm service. The existing curb stop is to be removed and replace with a new 40mm curb stop at 0.3m to 1.0m from property line. Install 100mm diameter pvc riser (service box) and cast iron cap as per standard drawing 301.3.1. The service to be reduced to existing private service after the new 40mm curb stop.																		
Q5	Please confirm that all 40mm Services require a Service Saddle for a 200mm Main.																		
A5	Confirmed, all 40mm service requires service saddle for 200mm water main.																		
Q6	The new watermain is shown being installed very close to the existing curb - if we were to lose this curb during installation how would this replacement be paid?																		
A6	The contractor is not expected to damage the existing curb. All damage curbs will be replaced by the contractor at their own cost.																		
Q7	<p>Please confirm that the water valve boxes and lids will be supplied at no cost to the contractor as per the following note found in the WW specs.</p> <p>2.2.10 Valve boxes and lids shall be Telescopic, grey iron castings and conform to City of Vancouver, Waterworks Standards 407/1/1-4 and 407/4/1-2. Valve boxes and lids may be picked-up by the Contractor from the City of Vancouver Central Stores. The City will furnish the valve boxes and lids at no charge to the Contractor. Co-ordinate pick-up of materials with Engineer.</p>																		
A7	Confirmed, water valve boxes and lids as per WW specs. item 2.2.10 will be supplied at no cost to the contractor.																		

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Q8	As the existing Sanitary/ Storm and Water Mains are very close to either Boulevard or Pavements, and the difference in costs to abandon these mains are very different (capping only in boulevard & grout filled under pavement) - how are we to know which procedure to include in the tender?
A8	Abandon water mains under both pavement and boulevard with City supplied wooden plugs as per WW specs. Item 3.6.1.  Abandon sewer mains as per 3.21 Section 02731 of the PS20180617 CoV Sewer Specifications.
Q9	Is the contractor responsible for any shrubbery replacement at the traffic circles?
A9	Contractor not responsible for replanting.
Q10	The WW Spec notes that sawcutting over 150mm in depth will be paid by the unit - will the Sanitary/Storm installation be paid using the same method as well?  <small>1.6.13 Payment for sawcutting of asphalt and concrete pavement up to 150 mm depth will be incidental to payment for watermain installation.</small>  <small>1.6.14 Payment for sawcutting of asphalt and concrete pavement deeper than 150mm up to 300 mm depth, including removal of cut material will be measured in lineal metres at the unit price bid.</small>
A10	For the purposes of pricing sawcutting of pavement, the Water work specification is deemed incorrect.  Payment for sawcutting of asphalt and concrete pavement on water works installation shall be incidental to the payment for watermain installation regardless of pavement depth.  Payment for sawcutting of asphalt and concrete pavement on sewer works installation is incidental to the payment for main sewer installation regardless of pavement depth.
Q11	On the streets where Sanitary/Storm and Water are being installed - there may be a strip of asphalt between the water trench and the sanitary/storm trench that may be unstable - would this be paid under the units or under the LS price?
A11	As per the CoV SRM the contractor is responsible for any and all peripheral damage to the road which has been caused by the trench and utility cut activity. This includes all damage to the surrounding paving structure which has caused that structure to crack or deteriorate or become unstable versus its condition prior to the trench and utility cut activity.  Notwithstanding the above, the Engineer may consider the removal and replacement of unstable asphalt located outside the limits of the trench cut

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	repair for payment by contract unit rates for Paving, if the Engineer determines that the unstable condition is a result of the pavement condition prior to the Contractor's trench and utility cut activity and not as a result of the contractor's methodology or level of care given to protecting the asphalt outside the trench and utility cut activity.
Q12	As the disposal of spoil to the Kent Yard is included in the Lum Sum prices - if the Provisional Items found in the tender form to transport materials to the Landfill are used, would it not be for the extra distance from Kent to the Landfill?
A12	Tenders's price for transport and disposal at the landfill should allow for the additional cost to transport materials from Kent to the landfill.
Q13	The unit for "Sanitary Relay Type Service Connection..." has a quantity of 0 - are we still to supply a price here?
A13	A tender amendment will be issued for pay item A2.105 from the Schedule of Quantities and prices. The quantity will be changed from 0 to 5 lineal metres.
Q14	Is the restoration of the boulevards to be 100mm Topsoil & Sod or 100mm Topsoil and Hydroseed/Seed?
A14	Boulevard restoration is 100mm topsoil & seed.