



Project:	Long Term Water Project – ATCO Loop Decommissioning Request for Tender	RFT No.: 2023-RFT-054
Addendum No.:	02	No. of Pages: 8
Date:	May 26, 2023	Doc. No. P7201-950302569-172(1.0)

The following change(s) in the Tender Documents are effective immediately.

This Addendum forms part of the Contract Documents.

Item numbering format: [Addendum #]. [Item #]

ITEM	DESCRIPTION	ACTION
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Question 2.1

Item #11 from Appendix B – Cost submission form is indicating 100mm of Granular A and 300mm of Granular B for road reinstatement. Point 1.5.12 from Section 01 12 50 (Special Provisions) is indicating 200mm of Granular A and 400mm of Granular B for the road reinstatement. Can you please confirm which is correct?

Response 2.1

Granular driveway and granular road reinstatement shall be 100mm Granular A and 300mm Granular B.

Question 2.2

Regarding drawing C-100 Can you clarify how the ATCO WATER MAIN LOOP is to be decommissioned? Are we to close the valves in building 222 reheat station only or the 50mm water lines outside the building would also need to be capped with blind flange and if so where exactly?

Response 2.2

The valves in building 222 reheat are to be closed. The water lines exiting the building 222 do not need to be cut and capped. Watermain will be capped with blind flanges outside the buildings and the buried watermain loop will be abandoned in place. However, a provisional item has been added to the Cost Submission Form (attached) for the complete removal and disposal of the buried watermain, starting at the property line of lot 219. Refer to revision R2.1.

Question 2.3

Can you clarify what is considered when indicating that: “Existing sewer service lines to be decommissioned, capped and abandoned in place». Are we to install blind flange on the service lines as close as we can to the sewer main or capping would be done at the buildings?

Response 2.3

The service lines will be capped outside the building. The service line from the building to the sewer main will be abandoned in place.

However, a provisional item has been added to the Cost Submission Form (attached) for the complete removal and disposal of the buried service lines and sewer main between MH28-29. Refer to revision R2.1.

Question 2.4

Point 8 a) of the Appendix B – Cost submission form is indicating 100mm dia. Water carrier pipe c.w. 25mm supply and 25mm return and 100mm sanitary sewer lateral for Lot 184. Drawing C-100 is indicating a sanitary sewer service of 150mm so there seems to be a contradiction. Please confirm which is applicable.

Response 2.4

Lot 184 shall be serviced with a 100mm dia. Water carrier pipe c.w. 25mm supply and 25mm return and 100mm sanitary sewer lateral.

Question 2.5

Point 8 b) of the Appendix B – Cost submission form is indicating 100mm dia. Water carrier pipe c.w. 25mm supply and 25mm return and 100mm sanitary sewer lateral for Lot 223. Drawing C-100 is indicating a sanitary sewer service of 150mm so there seems to be a contradiction. Please confirm which is applicable.

Response 2.5

Lot 223 shall be serviced with a 100mm dia. Water carrier pipe c.w. 25mm supply and 25mm return and 100mm sanitary sewer lateral.

Question 2.6

Point 8 c) of the Appendix B – Cost submission form is indicating 150mm dia. Water carrier pipe c.w. 38mm supply and 25mm return and 100mm sanitary sewer lateral for building 247. Drawing C-100 is indicating a sanitary sewer service of 150mm so there seems to be a contradiction. Please confirm which is applicable.

Response 2.6

Lot 247 shall be serviced with a 100mm dia. Water carrier pipe c.w. 25mm supply and 25mm return and 100mm sanitary sewer lateral.

Question 2.7

For the new water services and return line for future tie in could you please confirm that the only installation to be done is the water carrier pipe from the

main to the building and that there is no water saddle, valves or others to be installed.

Response 2.7

The Supply and installation of new water and service laterals for future developments including water carrier pipe and sanitary sewer lateral from the main to the property line has been removed from the scope of work. This applies to the following Lots:

- Lot 180 and Lot 182
- Lot 186 and Lot 188
- Lot 245

Refer to revised drawing C-100 as well as the revised Cost Submission Form enclosed. The updated cost submission form and drawing C-100 appended to this addendum supersedes the previous drawing and Cost Submission Form.

Question 2.8

Can you please confirm the diameter of the existing sewer service line for building 247, 223, 184 and 243? There is no indication on drawings and these lines need to be capped so we need to know the diameter.

Response 2.8

The existing sewer service lines are all expected to be 100mm diameter. However, this shall need to be confirmed by the contractor in the field at the start of construction.

Question 2.9

There are no elevations indicated on drawings for the invert of the existing water/sewer main. This information is required to determine the elevation of the new water/sewer connections on the main and also the elevation of the existing sewer lateral to be decommissioned:

- Elevation of water/sewer main at MH6**
- Elevation of water/sewer main at MH28**
- Elevation of water/sewer main at Mh29**
- Elevation of sewer main at MH12**
- Elevation of water main at MH14**
- Elevation of water main at MH15**
- Elevation of water/sewer main at MH22**
- Elevation of water/sewer main at MH7**
- Elevation of water/sewer main at MH8**

Response 2.9

The structures were not accessible during the time the topographic site survey was taken. The following elevation information has been taken from As-Built record drawings and are approximate only. However, elevations are to be confirmed by the contractor in the field at the start of construction. The following structures are the ones nearest the proposed service connections.

Sewer invert MH22: 7.4m
Top of Watermain MH22: 7.9m
Sewer invert MH29: 11.5m
Sewer invert MH28: 8.0m
Sewer invert MH7:9.8m
Top of Watermain MH7: 10.7m
Top pf Watermain MH14: 8.2m

Question 2.10

1.10.a) Can you confirm in which case the 4H:1V slope indicated on detail 1 from drawing DE-03 is applicable?

1.10.b) Can you confirm on what height of excavation the 1V:1H on detail 1 from drawing DE-03 is applicable. There is no reference to the surface of the excavation and no reference from the bottom of excavation.

It seems like the slopes indicated on detail 1 from drawing DE-03 would create more area of asphalt reinstatement than what is on drawing and also more area than item 17 of the cost submission form. Please confirm.

Response 2.10

1.10.a) 3H:1V transition slope is acceptable as a maximum for all excavations.
1.10.b) 1H:1V transition slope is acceptable in frozen ground conditions. The depth of which would be determined in the field. Excavation will be completed with the aim to minimize the amount of road reinstatement required while maintaining slop stability.

Question 2.11

Can you confirm what is to be done with the existing water lines entering building 184, 223 and 247. Are we to remove and cap all piping above ground and all piping underground will remain in place?

Response 2.11

Correct, piping will be capped outside the building and all underground piping will be abandoned in place. All above ground piping shall be removed and disposed of appropriately.
However, A provisional item has been included for the complete removal and disposal of the buried watermain, starting at the property line of lot 219. Refer to response 2.14.

Question 2.12

The location of the new water/sewer line to be installed at building 223, 184 and 247 does not match the location of the existing water/sewer line entry. The new lines should be extended to enter the building at the same location as the existing

line considering the mechanical room would remain at the same place. Could you please update the drawing for this?

Response 2.12

The exact point of entry beneath the building along the building perimeter does not need to be the same as existing for building 223, 184 and 247. There should be sufficient room in the crawl space beneath the building to run the new service piping beneath the building and up into the existing mechanical rooms. The service alignment will be installed to minimize the service length and bends in alignment.

Question 2.13

Can you confirm if the new sewer services and water carrier pipe are to be in DR11 or DR17 ? There is some contradictions in the municipal guidelines. Some sections are mentioning DR11 and others DR17. Please confirm.?

Response 2.13

All service piping to be DR11 HDPE.

RFP CLARIFICATIONS AND REVISIONS

R2.1 Removal of Existing Pipes

A provisional pay item has been added for the removal and disposal of all existing shallow buried water and sewer piping within the ATCO Loop. Should this provisional item be implemented, the water supply and return from Building 222 would be cut and capped outside the ROW near the property line of Lot 219 to prevent the need for an additional road cut. The provisional item for removal and disposal of buried infrastructure accounts for all water and sewer piping within the private lots that will be decommissioned. This includes the sanitary MH29, sewer main between MH28 and MH29, sewer service laterals and 50mm diameter watermain distribution loop. The provisional lump sum price tendered shall include all labour, equipment and materials to properly remove, transport and dispose of existing items offsite, as well as backfilling all excavated areas.

Refer to revised drawing C-100 as well as the revised Cost Submission Form enclosed. The updated Cost Submission Form and drawing C-100 appended to this addendum supersedes the previous drawing and cost submission form.

R2.2 Additional measures for sewer service installation adjacent to QEC building, 243 Umiq

The QEC building located at 243 Umiq Crescent has a thermosyphon system beneath the concrete foundation. The new sewer servicing for the building will require additional considerations to protect the thermosyphon system, as follows:

- The contractor shall excavate an average 1m deep servicing trench with a vertical excavation wall on the building side. The contractor shall install a bracing system against the vertical trench wall to help support it. The bracing system may consist of heavy timbers (2" thick x 10" wide or similar) that are braced across the trench. The trench shall be run along the property line at a minimum distance of 2.5m from the building perimeter.
- The Contractor shall install 100mm thick HI 40 styrofoam insulation vertically along the trench wall adjacent to the building.
- Depending on the overall construction schedule, the contractor may be required to prioritize the service installation for the QEC building located at 243 Umiaq at the start of construction, when the active layer is not near it's maximum seasonal depth, or at the end of construction when the ambient air temperatures have dropped to seasonal lows. The contractor shall also minimize the time of open trench excavation as much as possible for the service installation adjacent to the building.

These additional measures only apply to the sewer servicing installation adjacent to the building located at 243 Umiaq. The cost associated with the additional measures will be included in the pay item 9- Lot-243 Supply and install new 100mm sewer service lateral from main to existing building.

R2.3 De-scoping of service installation for future development

The Supply and installation of new water and service laterals for future developments including water carrier pipe and sanitary sewer lateral from the main to the property line has been removed from the scope of work. This applies to the following Lots:

- Lot 180 and Lot 182
- Lot 186 and Lot 188
- Lot 245

Refer to revised drawing C-100 as well as the revised Cost Submission Form enclosed. The updated Cost Submission Form and drawing C-100 appended to this addendum supersedes the previous drawing and cost submission form.

Colliers Project Leaders Inc.

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