



New Glasgow

flourish

TOWN OF NEW GLASGOW: WESTSIDE PRESSURE STUDY

RFP # TNG2024-PW-020

ADDENDUM #2

1. **SECTION 1.3 SCOPE OF WORK**

Add the following Section 1.3.4 and scope of work to the existing RFP requirements:

1.3.4 LITTLE HARBOUR RD. REVIEW & REPORT:

The Town requires a consultant to review the existing watermain pressure, flows, and water model results for Little Harbour Rd. (Norma St. - Lancaster Ave.), Little Harbour Rd. (Lancaster Ave. - Town Limits) and all of Lancaster Ave.



The Town has been having an issue with Little Harbour Rd. near Lancaster Ave. and Lancaster Ave. particularly during hydrant flushing. The existing watermain on Little Harbour Rd. is a 150mm diameter cast iron main from Norma St. to Lancaster Ave. it is suspected this main is highly tuberculated, but this has not been confirmed in the field.

The flows that our hydrant flushing consultant anticipated in this area cannot be achieved even though pressures are within range and in fact flushing even very minor volumes of water on the end of Little Harbour Rd. or Lancaster Ave. has resulted in water outages for residents on Lancaster Ave. The anticipated fire flows on Lancaster Ave. are estimated at 1,885 L/min while field results show flows at 633 L/min. Hydrant 2144 on Little Harbour Rd. near civic 478 Little Harbour Rd. has an estimated fire flow of 1,885 L/min while field results show flows at 764 L/min.

The consultant is required to run the model to determine:

- Existing anticipated hydrant fire flows at Little Harbour Rd./Lancaster Ave., Lancaster Ave. and the existing hydrants along Little Harbour Rd. between Norma St. and Lancaster Ave. and their respective pressures at the hydrants.
- The consultant should also advise the level of tuberculation shown in the Little Harbour Rd., watermain between Norma St. and Lancaster Ave. along with whether the level of tuberculation in the watermain is the reason for water outages or if there should be additional investigation to determine the actual source of the issue.
- The consultant to confirm if the hydrant flushing limitations are a result of tuberculation in the watermain or if it is a result of Mountain Rd. reservoir supply issues or if there is a

potential error in the actual watermain connection at the intersection of Shelburne/Little Harbour Rd./Norma St. or other combination.

- The consultant to provide a minimum size of watermain recommendation needed to achieve acceptable residential fire flow along Little Harbour Rd. and Lancaster Ave. if pipe sizing is determined to be the issue preventing acceptable flows in the area.

In addition, the Town is investigating the best approach to supply water to new developments (Parcels #1, 2, and 3 as shown on the below sketch) near the end of Little Harbour Rd.



The preferred method would be to supply water from an extension to the Little Harbour Rd. watermain which currently ends at the intersection of Little Harbour Rd. and Lancaster Ave. The watermain extension might also require the replacement or upgrade in the size of the watermain on Little Harbour Rd. It is anticipated some of these developments will prefer to have fire protection that will meet a minimum commercial fire capacity so in addition to being able to supply potable water the Town would like to confirm the availability at each of these locations for fire protection along with its impacts to the existing customers along Little Harbour Rd., Lancaster Ave. and High St. that maybe currently experiencing water outages during fire flows events.

- Provide an analysis of existing conditions along with the extension of the existing watermain on Little Harbour Rd. to the 3 parcels of development. Advise the size of

watermain extension required, the fire flow capacity at each of these locations and their ability to supply a minimum of 2,636m³ of potable water per year to each of these parcels of land. The analysis should also detail if there is any increase in water outage issues on Little Harbour Rd. or Lancaster Ave.

- Provide an analysis of existing conditions along with the extension of the existing watermain on High St. to supply parcels 1 and 3 of new developments. Advise the size of watermain extension required, the fire flow capacity at each of these locations and their ability to supply a minimum of 2,636m³ of potable water per year to each of these parcels of land. The analysis should also detail if there is any increase in water outage issues on Little Harbour Rd. or Lancaster Ave.
- Provide an analysis of the size of watermain required to be installed on Little Harbour Rd. along with the limits of main that will require upgrading and the extension of the existing watermain on Little Harbour Rd. to supply the 3 parcels of development. Advise the size of watermain extension required, the fire flow capacity at each of these locations and their ability to supply a minimum of 2,636m³ of potable water per year to each of these parcels of land. The analysis should also detail if there is any increase in water outage issues on Little Harbour Rd. or Lancaster Ave.
- Provide an analysis of the size of watermain required to be installed on High St. along with the limits of main that will require upgrading and the extension of the existing watermain on Little Harbour Rd. to supply Parcels 1 and 3 of the proposed developments. Advise the size of watermain extension required, the fire flow capacity at each of these locations and their ability to supply a minimum of 2,636m³ of potable water per year to each of these parcels of land. The analysis should also detail if there is any increase in water outage issues on Little Harbour Rd. or Lancaster Ave.
- Provide a recommendation on the most economical approach of the above solutions to provide potable and fire protection water to the three proposed developments, and if there are improvements in water loss on Lancaster, end of Little Harbour Rd. in addition to the supply of water to the new developments.

Consultant to provide a report, recommendations complete with model results for the above scenarios. All work to be included in the lump sum cost estimate shown in the Appendix F, Fee Schedule.

2. SECTION 1.4

Page 4: Remove entire section and replace with the following:

Section 1.3.4 Little Harbour Rd. review & report, scope of work to be completed by March 30, 2025. The remainder of the RFP work will need to be completed by May 30, 2025, unless approved prior to RFP award.

The consultant must provide a detailed project schedule as part of their RFP submission that breaks out all the major work components listed under Section 1.3 Scope of Work

3. **SECTION 2.1**

Page 5: Delete Timeline Table and replace with the Table below:

Milestone	Date
RFP Issued to Consultants	Dec 6, 2024
Inquiry Period Ends	Jan 27, 2025
Submission	Jan 30, 2025
Selection of Proponent	February 19, 2025
Submit Draft Little Harbour Rd. Report	March 30, 2025
Submit Draft Report	April 30, 2025
Submit Final Report	May 30, 2025

4. **APPENDIX F PRICE SCHEDULE:**

Remove entire price schedule and replace with the attached Appendix F Price Schedule.

Acknowledgement of Addendum:

The proposer acknowledges receipt of this addendum, and understands its content and the respective changes to the request for proposal document. Additionally, please include copies of all signed addenda with your proposal.

Signed: _____

Company Name: _____

Date: _____



APPENDIX F PRICE SCHEDULE

<u>ITEM</u>	<u>PRICE</u>
1. Review Water Model, Current Water Distribution Status & Report	\$_____ CAD
2. Water Distribution System Upgrades Required & Report [PROVISIONAL]	\$_____ CAD
3. Additional Information	\$_____ CAD
4. Little Harbour Rd. Review & Report	\$_____ CAD
HST (15%)	\$_____ CAD
<i>Total Including HST</i>	\$_____ CAD

Note: Consultant to clearly detail in the scope and methodology section what services are included in this section and any items which are required in addition to original scope of work proposed by the Town in order to supply all RFP requirements.