

# Agenda

## Civic Works Committee

The 6th Meeting of the Civic Works Committee

April 9, 2024

9:30 AM

Council Chambers - Please check the City website for additional meeting detail information. Meetings can be viewed via live-streaming on YouTube and the City Website.

The City of London is situated on the traditional lands of the Anishinaabek (AUh-nish-in-ah-bek), Haudenosaunee (Ho-den-no-show-nee), Lūnaapéewak (Len-ah-pay-wuk) and Attawandaron (Add-a-won-da-run).

We honour and respect the history, languages and culture of the diverse Indigenous people who call this territory home. The City of London is currently home to many First Nations, Métis and Inuit today.

As representatives of the people of the City of London, we are grateful to have the opportunity to work and live in this territory.

Members

Councillors A. Hopkins (Chair), J. Pribil, S. Trosow, S. Franke, D. Ferreira

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# Integrated Transportation Community Advisory Committee

## Report

4th Meeting of the Integrated Transportation Community Advisory Committee  
March 20, 2024

Attendance T. Khan (Chair), R. Buchal, E. Eady, D. Foster, A. Husain, T. Kerr, S. Leitch, V. Lubrano, D. Luthra, A. Pfeffer, E. Poirier, A. Santiago, J. Vareka and J. Bunn (Acting Committee Clerk)

ABSENT: A. Issa

ALSO PRESENT: Councillor J. Pribil; J. Dann, U. de Candido, E. Fabri, E. Hunt, A. Miller and J. Stanford

The meeting was called to order at 3:00 PM; it being noted that R. Buchal, E. Eady, D. Foster, A. Husain, S. Leitch, A. Pfeffer, E. Poirier, A. Santiago and J. Vareka were in remote attendance.

### 1. Call to Order

#### 1.1 Disclosures of Pecuniary Interest

That it BE NOTED that no pecuniary interests were disclosed.

### 2. Scheduled Items

#### 2.1 Bike and Walk Map Update and Committee Review

That it BE NOTED that the presentation, dated March 20, 2024, from A. Miller, Senior Transportation Demand Management Coordinator, with respect to the 2024 Bike and Walk Map, was received.

### 3. Consent

#### 3.1 3rd Report of the Integrated Transportation Community Advisory Committee

That it BE NOTED that the 3rd Report of the Integrated Transportation Community Advisory Committee, from the meeting held on February 21, 2024, was received.

### 4. Sub-Committees and Working Groups

#### 4.1 (ADDED) Road Safety Sub-Committee

That permission BE GRANTED by Municipal Council for the members of the Integrated Transportation Community Advisory Committee to tour the Transportation Management Centre.

### 5. Items for Discussion

None.

### 6. Deferred Matters/Additional Business

#### 6.1 (ADDED) 2024 Renew London Infrastructure Construction Program and 2023 Review

That it BE NOTED that the staff report, dated March 19, 2024, with respect to the 2024 Renew London Infrastructure Construction Program and 2023 Review, was received.

**7. Adjournment**

The meeting adjourned at 3:38 PM.

## Report to Civic Works Committee

**To:** Chair and Members  
Civic Works Committee

**From:** Kelly Scherr, P.Eng., MBA, FEC  
Deputy City Manager, Environment and Infrastructure

**Subject:** Contract Award: RFT-2024-022  
Springbank Reservoir 2 Replacement and Expansion

**Date:** April 9, 2024

## Recommendation

That on the recommendation of the Deputy City Manager, Environment and Infrastructure, the following actions **BE TAKEN** with respect to the award of contract for Springbank Reservoir 2 Replacement and Expansion (EW3617) project:

- (a) The bid submitted by Stone Town Construction Limited at its tendered price of \$43,032,902.00, excluding HST, **BE ACCEPTED**; it being noted that the bid submitted by Stone Town Construction Limited was the lowest of two bids received and meets the City's specifications and requirements in all areas.
- (b) Aecom Canada Ltd., **BE AUTHORIZED** to carry out the resident inspection and contract administration for the Springbank Reservoir 2 Replacement and Expansion project in accordance with the estimate, on file, at an upset amount of \$3,769,075.00, including 10% contingency, excluding HST, in accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy;
- (c) The financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached, hereto, as Appendix "A."
- (d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project.
- (e) the approval given, herein, **BE CONDITIONAL** upon the Corporation entering into a formal contract or issuing a purchase order for the material to be supplied and the work to be done, relating to this project (RFT-2024-022).
- (f) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

## Executive Summary

This report recommends the award of a tender to a contractor and consulting engineer services for resident inspection and contract administration for the Springbank Reservoir 2 Replacement and Expansion (EW3617). This project will demolish the existing Springbank 2 Reservoir with a capacity of 45 Million Litres (ML) and floating membrane cover which has reached the end of its life expectancy, and construct a new larger 88 Million Litre (ML) Springbank Reservoir 2 in the same location and expanded to the east in accordance with the recommendations of the Long Term Water Storage EA.

The 2024-2027 multi-year budget includes funding for construction of the reservoir in the amount of \$54.5M which is sufficient for this award.

## Linkage to the Corporate Strategic Plan

The following report supports the 2023 – 2027 Strategic Plan areas of focus:

- Climate Action and Sustainable Growth
  - The infrastructure gap is managed for all assets; and
  - Infrastructure is built, maintained, and secured to support future growth and protect the environment.

- The City of London is a Leader in Public Service.
  - The City of London has effective facilities and infrastructure management.

## Analysis

### 1.0 Background Information

#### 1.1 Previous Reports Related to this Matter.

- Civic Works Committee – November 17, 2020 – Award of Consulting Engineering Services for Detailed Design of the Springbank Reservoir 2 Replacement and Expansion RFP 20-43
- Civic Works Committee – June 18, 2019 – Long Term Water Storage Options Municipal Class Assessment: Notice of Completion
- Civic Works Committee - April 17, 2018 - Appointment of Consulting Engineering Services for Long Term Water Storage Options - Environmental Assessment
- Civic Works Committee - April 2, 2012 - Contract Award: Springbank Reservoir 2 Rehabilitation Project No. EW3617 Tender No. 12-52
- Environment and Transportation Committee - October 27, 2008 - Water System Risk Management Continuous Improvement Update
- Environment and Transportation Committee - April 23, 2007 - Water System Risk Management Exercise and Evaluation

### 2.0 Discussion and Considerations

#### 2.1 Springbank Water Reservoirs

The City of London Water Supply System includes several water storage reservoirs used for balancing flows for domestic drinking water, emergency firefighting needs, and to provide storage in the event of an interruption in the water supply from either of the Lake Huron Area Water Supply System or the Elgin Area Water Supply System. Three of these reservoirs are located within the Springbank complex.

One of the City's existing reservoirs, Springbank Reservoir 2 was constructed in the 1920s and is at the end of its useful life. A location map of Springbank Reservoir 2 can be found in Appendix B. Unlike the other City reservoirs which have fixed concrete roofs, Springbank Reservoir 2 has a flexible floating cover. The risk of breaching this cover has been identified as one of the highest risks of biological contamination to the City of London water system. An Environmental Assessment (EA) was completed to determine how the reservoir should be reconstructed or replaced. The EA has also analyzed the long-term storage needs city-wide considering the current need for emergency storage and the servicing needs of future urban growth. This assessment recommended that, in conjunction with the replacement of Springbank 2, its capacity be increased to accommodate the increased needs of the City. This increase is expected to satisfy the City's water storage needs for at least the next 20 years.

#### 2.2 Work Description

The Springbank Reservoir 2 Replacement and Expansion (EW3617) will demolish the existing Springbank 2 Reservoir and construct a new larger Springbank Reservoir 2 in the same location and expanded to the east.

The Springbank Reservoir 2 Replacement and Expansion project includes the following work details:

- Demolish the existing Springbank 2 Reservoir,
- Remove earth for the foundation of the expanded reservoir,
- Prepare area for the construction work and required staging and storage,

- Construct a new larger 88ML Springbank Reservoir 2 in the same location and expanded to the east,
- Replace a section of 900mm concrete Watermain on Commissioners Road West and construct a new reservoir inlet/outlet for the new reservoir,
- Replace the electrical service and communications ducting and cables for the existing valve house and the existing London Hydro Communications Tower which will remain in place and to accommodate the new Reservoir 2 Access Building,
- Conduct necessary environmental mitigation and protection measures in accordance with the recommendations of the EIS,
- Replace identified existing valves within the existing Reservoir 1 and 2 Valve House,
- Placement of waterproof membrane on the new Reservoir 2,
- Placement of fill over the new reservoir and restoration with a sports field grass mixture, and
- Restoration of the site and staging and storage areas when completed.

It is anticipated that this project will require more than two full years of construction, with construction commencing in the spring of 2024 and anticipated completion in the fall of 2026. Access to the site will be from Commissioners Road West. This project will use a staging and storage area within the unopened Commissioners Road right of way located to the south of Springbank Reservoir 3 and the Springbank Community Gardens. As well, areas to the north and to the east of new reservoir in Reservoir Park will be used for staging and storage during construction.

Advance work at the site in February and March 2024 has included the construction of an access road to the site and the removal of the trees that will conflict with the construction. Approximately 324 trees were removed for the project. As part of the tree clearing work, any trees/logs of economic value were salvaged.

A tree compensation strategy has been developed taking into consideration a 3:1 tree compensation ratio which will result in the planting of 972 trees. There is not sufficient space at the Springbank 2 location to accommodate this compensation tree planting. The project will provide funding to the City's Forestry Operations to plant the required amount of trees. The funding provided will be used for replanting on City-owned lands, with specific timing and locations to be determined. Forestry's priority will be to plant at locations proximate to the site and/or locations within the applicable Planning District. This will help off-set the loss of canopy cover and habitat in the general area of the project and support the expansion of the urban forest within the targeted area. It is estimated that the compensation will be for the replanting of 972 trees (50mm caliper) at \$580 per tree, or approximately \$563,760 in total.

This infrastructure replacement need has been coordinated within the Environment and Infrastructure Department. The funding for this project comes from the approved Water capital works budgets.

This project has submitted a site plan for approval through Planning and Development. A Demolition Permit and a Building Permit will be obtained by staff prior to construction commencement.

### **2.3 Public Consultation**

The initial project notice (dated January 20, 2022) was mailed to properties within and flanking the project limits. Included with the notice was information regarding the project and the timing of key components of the project. Residents were asked to contact the City's project manager at any time if they had any questions, concerns, and input for consideration.

The subsequent Pre-Construction Notice (dated September 25, 2023) was mailed to properties within and flanking the project limits. Included in this notice was an invitation for residents to attend a drop-in event to view construction plans, review necessary tree removals, discuss impacts to their property and to learn more about the project. Following the meeting, project boards displayed at the meeting were made available for download on the project website.

Previous public consultation and engagement was also provided during the undertaking

of the Long-Term Water Storage Options Municipal Class Assessment in 2018/2019.

### 3.0 Financial Impact/Considerations

#### 3.1 Tender Summary

This construction project has been subject to a 2-stage award process, where the first stage was a prequalification of contractors, and the second stage is the Construction Tender.

The first stage, the Prequalification of Contractors, was conducted in the fall of 2023. A prequalification process was undertaken due to this work being specialized, particularly the construction of a water retaining concrete structure. Five Contractors submitted proposals which were reviewed by a review team comprising of staff from Water Engineering, Water Operations, and members of the Consultant Design Team. The review team identified that two of the contractors met all the criteria for eligibility to be able to submit a tender for the project.

Following the prequalification process, Tender RFT-2024-022 was sent to the eligible contractors. The tender for the Springbank Reservoir 2 Replacement and Expansion project closed on February 22, 2024. Two contractors submitted tender prices as listed below, excluding HST. All tenders received include a contingency of \$4,000,000.00.

Table 1: Summary of submitted tender prices.

<b>Contractor</b>	<b>Tender Price Submitted</b>
<b>Stone Town Construction Limited</b>	<b>\$43,032,902.00</b>
<b>North America Construction (1993) Ltd.</b>	<b>\$48,821,300.00</b>

The Environment and Infrastructure Department and Aecom Canada Ltd. have checked all tenders No mathematical errors were found. The results of the tendering process indicate a competitive process. The tender estimate prior to tender opening was \$44,618,000.00, including contingency, excluding HST.

#### 3.2 Consulting Engineer Services

Aecom Canada Ltd. was awarded the detailed design of the Springbank Reservoir 2 Replacement and Expansion project by Council on November 24, 2020. Due to the consultant's knowledge and positive performance on the detailed design, the consultant was invited to submit a proposal to conduct the resident inspection and contract administration for the project. Aecom Canada Ltd. submitted a proposal which includes an upset limit of \$3,769,075.00, including 10% contingency, excluding HST.

Staff have reviewed the fee submission, including the time allocated to each project task, along with hourly rates provided by each of the consultant's staff members. That review of assigned personnel, time per project task, and hourly rates is appropriate for the project and is satisfactory to staff. The continued use of Aecom Canada Ltd. on this project for construction administration and inspection is of financial advantage to the City because the firm has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

In addition to the financial advantage, there are also accountability and risk reduction benefits. The City requires a Professional Engineer to seal all construction drawings. These 'record drawings' are created based on field verification and ongoing involvement by the Professional Engineer. This requirement promotes consultant accountability for the design of these projects, and correspondingly, reduces the City's overall risk exposure. Consequently, the continued use of the consultant who created and sealed the design drawings is required to maintain this accountability process and to manage risk.

In accordance with Section 15.2 (g) of the City of London's Procurement of Goods and Services Policy, civic administration is recommending that Aecom Canada Ltd. be authorized to conduct the remainder of engineering services, as construction administrators, for a fee estimate of \$3,769,075.00, including 10% contingency, excluding HST. These fees are associated with the construction resident inspection and contract administration services to ensure that the City receives the product specified and associated value. The approval of this work will bring the total engineering services for this project to \$5,327,117.00, including 10% contingency, excluding HST, for both detailed design and construction administration.

### 3.3 Operating Budget Impacts

There will be no additional annual operating costs to the Water Service Area attributed to this new infrastructure. The additional operating costs from the increase in reservoir size is offset by the elimination of the special operating costs of the floating cover on the existing reservoir.

## Conclusion

The existing Springbank Reservoir 2 has reached the end of its useful life and requires replacement as well as expansion to meet the growing needs of the City. Completing this work will help to effectively manage our infrastructure assets and ensure the London's infrastructure is built and maintained to support future growth and protect the environment. The tender award and the consultant award for this project are within the Council approved budget and represent good value to the City.

**Prepared by:** Aaron Rozentals, P.Eng.  
Division Manager, Sewer Engineering

**Submitted by:** Ashley Rammeloo, MSc, P.Eng.  
Director, Water, Wastewater, and Stormwater

**Recommended by:** Kelly Scherr, P.Eng., MBA, FEC  
Deputy City Manager, Environment, and Infrastructure

cc: P. Lupton, A. Dunbar, S. Mollon, J. Robinson, P. Choma, K. Fairhurst, D. Huggins, S. Koshowski, P. Yeoman, J. Ackworth (Aecom)

Appendix 'A' – Sources of Financing

Appendix 'B' – Location Map



## Appendix "A"

**#24058**

April 9, 2024

(Award Contract)

Chair and Members

Civic Works Committee

RE: RFT-2024-022 Springbank Reservoir 2 Replacement and Expansion

(Subledger FW200002)

Capital Project EW3617 - Springbank #2 Water Reservoir Replacement and Expansion

Stone Town Construction Limited - \$43,032,902.00 (excluding HST)

AECOM Canada Ltd. - \$3,769,075.00 (excluding HST)

### Finance Supports Report on the Sources of Financing:

Finance Supports confirms that the cost of this project can be accommodated within the financing available for it in the Capital Budget and that, subject to the approval of the recommendation of the Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

Estimated Expenditures	Approved Budget	Committed to Date	This Submission	Balance for Future Work
Engineering	5,856,261	2,020,850	3,835,411	0
Construction	53,017,766	906,880	43,790,281	8,320,605
City Related Expenses	15,348	15,348	0	0
Transfer to Forestry (Note 1)	563,760	0	563,760	0
<b>Total Expenditures</b>	<b>\$59,453,135</b>	<b>\$2,943,078</b>	<b>\$48,189,452</b>	<b>\$8,320,605</b>

### Sources of Financing

Capital Water Rates	724,135	724,135	0	0
Drawdown from Water Works Renewal Reserve Fund	58,729,000	2,218,943	48,189,452	8,320,605
<b>Total Financing</b>	<b>\$59,453,135</b>	<b>\$2,943,078</b>	<b>\$48,189,452</b>	<b>\$8,320,605</b>

Financial Note:	Engineering	Construction	Transfer to Forestry	Total
Contract Price	\$3,769,075	\$43,032,902		\$46,801,977
Add: HST @13%	489,980	5,594,277		6,084,257
Total Contract Price Including Taxes	4,259,055	48,627,179		52,886,234
Less: HST Rebate	-423,644	-4,836,898		-5,260,542
Net Contract Price	<b>\$3,835,411</b>	<b>\$43,790,281</b>	<b>\$563,760</b>	<b>\$48,189,452</b>

**Note 1:** A tree compensation strategy has been developed which will result in the planting of 972 trees, with an estimated compensation of \$563,760.

Alan Dunbar

Manager of Financial Planning and Policy

lp



# RFP20-43 Springbank Reservoir 2 Replacement and Expansion

Location Plan Springbank Reservoir #2



## Report to Civic Works Committee

**To:** Chair and Members  
Civic Works Committee

**From:** Kelly Scherr, P.Eng., MBA, FEC  
Deputy City Manager, Environment and Infrastructure

**Subject:** Appointment of Consulting Engineers for the Infrastructure  
Renewal Program

**Date:** April 9, 2024

## Recommendation

That on the recommendation of the Deputy City Manager, Environment and Infrastructure, the following actions **BE TAKEN** with respect to the appointment of consulting engineers for the Infrastructure Renewal Program:

- (a) The following consulting engineers **BE APPOINTED** to carry out consulting services for the identified Infrastructure Renewal Program funded projects, at the upset amounts identified below, in accordance with the estimate on file, and in accordance with Section 15.2(e) of the City of London's Procurement of Goods and Services Policy:
  - (i) Spriet Associates London Limited **BE APPOINTED** consulting engineers to complete the pre-design, and detailed design of Contract 5 – Craig Street from Ridout Street to Wortley Road, reconstruction, in the total amount of \$182,579.10 (including contingency), excluding HST;
  - (ii) GM BluePlan Engineering Limited **BE APPOINTED** consulting engineers to complete the pre-design, and detailed design of Contract 6 – Evangeline Street from Second Street to Third Street, and Third Street from Dundas Street to Culver Drive, reconstruction, in the total amount of \$380,677.00 (including contingency), excluding HST;
  - (iii) Archibald, Gray & McKay Engineering Ltd. **BE APPOINTED** consulting engineers to complete the pre-design and detailed design of Contract 8 – Central Avenue, from Elizabeth Street to Ontario Street, reconstruction, in the total amount of \$292,600.00 (including contingency), excluding HST;
  - (iv) Dillon Consulting Limited **BE APPOINTED** consulting engineers to complete the pre-design and detailed design of Contract 9 – Rectory Street, from Little Simcoe Street to Florence Street, reconstruction, in the total amount of \$249,689.55 (including contingency), excluding HST;
- (b) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached, hereto, as Appendix 'A';
- (c) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project;
- (d) the approval given, herein, **BE CONDITIONAL** upon the Corporation entering into a formal contract; and
- (e) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

## Executive Summary

The Infrastructure Renewal Program is an annual program intended to maintain the lifecycle and operation of municipal infrastructure at an acceptable performance level. The engineering consultants work with city staff to complete the Infrastructure Renewal Program projects and meet the challenging infrastructure lifecycle replacement needs. The engineering consulting work recommended within this report will support the reconstruction of an estimated \$21,500,000 of capital infrastructure.

This report recommends the award of engineering consultant appointments for the

Infrastructure Renewal Program. These consultant appointments will lead to infrastructure construction projects planned for 2025. A detailed project information list, including planned timing and project limits, is attached in Appendix 'B'. Project location maps are attached in Appendix 'C'.

It is noted that this is the first round of Infrastructure Renewal Program projects to be released this year. It is anticipated that there will be an additional two rounds of projects released this year.

## **Linkage to the Corporate Strategic Plan**

This recommendation supports the following 2023-2027 Strategic Plan areas of focus:

- Mobility and Transportation:
  - Londoners can move around the city safely and easily in a manner that meets their needs by incorporating cycling infrastructure and safety enhancements.
- Climate Action and Sustainable Growth:
  - The infrastructure gap is managed for all assets;
  - London's infrastructure is built, maintained, and secured to support future growth and protect the environment; and
  - London has a strong and healthy environment by incorporating stormwater management quantity and quantity controls to protect downstream waterways, wetlands, watersheds and natural areas.

## **Analysis**

### **1.0 Background Information**

#### **1.1 Previous Reports Related to this Matter**

- CWC – May 28, 2018 – Revised Grouped Consultant Selection Process.
- Civic Works Committee – June 21, 2022, Appointment of Consulting Engineers for the Infrastructure Renewal Program, Recommendation a) (iv).

### **2.0 Discussion and Considerations**

#### **2.1 Work Description**

The Infrastructure Renewal Program projects include watermain and sewer replacement/repairs, as well as restoration of areas disturbed by the construction activity. The scope of each project varies in length and depends on the infrastructure components requiring rehabilitation or replacement. Full road reconstruction will be part of the projects.

The City infrastructure design groups within each service area work closely together to co-ordinate infrastructure repair, rehabilitation and replacement. City staff prepare a list of the highest priority projects, taking into consideration condition assessment, capacity, criticality of the infrastructure link, and the safety and social impacts should the infrastructure link fail. City staff meet regularly throughout the year to co-ordinate their respective work with the goal of aligning construction projects so more than one infrastructure element can be renewed, which significantly reduces social disruption and saves on construction costs. Design work starts early in the budget cycle which allows projects to tender early in the season, so the most competitive construction pricing can be realized.

This report recommends the appointment of engineering consultants for four engineering assignments as identified in Appendix 'B'. All of the projects are scheduled for construction in 2025. The proposed construction year and physical limits of the project assignments are summarized in Appendix 'B', and a location map is provided for each project in Appendix 'C'.

Highlights of the projects include:

- Contract 5 – Craig Street reconstruction will result in the removal of 319.1 metres of combined sewer;
- Contract 6 – Evangeline Street and Third Street reconstruction is the third phase in the overall Pottersburg Creek trunk sanitary sewer realignment;
- Contract 8 – Central Avenue reconstruction will result in the removal of 557.9 metres of combined sewer; and
- Contract 9 – Rectory Street reconstruction will set up future phases of infrastructure renewal work and will proactively replace an aging sanitary sewer under the CN railway crossing that is at the end of its lifecycle.

Funds have been budgeted in the water and sewer capital budgets to support the engineering work for the projects identified in Appendix 'A', 'Sources of Financing'. The design fees for the new projects, recommended for approval in this report, are summarized in Table 1 below. All values below include 10% contingency and exclude HST.

Table 1: Summary of Project Assignments

<b>Contract</b>	<b>Street(s)</b>	<b>Consultant</b>	<b>Design Fee</b>
5	Craig Street	Spriet Associates London Limited	\$182,579.10
6	Evangeline Street and Third Street	GM BluePlan Engineering Limited	\$380,677.00
8	Central Avenue	Archibald, Gray & McKay Engineering Ltd.	\$292,600.00
9	Rectory Street	Dillon Consulting Limited	\$249,689.55

### **3.0 Financial Impact/Considerations**

#### **3.1 Procurement Process**

The engineering consultant selection procedure for the Infrastructure Renewal Program utilized a grouped consultant selection process developed in partnership with the Financial Services - Purchasing and Supply Division, subsequently approved by Council June 12, 2018 and is used for all Infrastructure Renewal Program consultant appointments. This two-stage grouped procurement process is in accordance with Section 15.2(e) of the Procurement of Goods and Services Policy.

The first stage of the process is an open, publicly advertised Request for Qualifications. Statement of Qualifications submissions were received from a province wide group of nineteen prospective consultants. The Statement of Qualifications were evaluated by the Environmental Engineering Services Department resulting in a short-list group of eleven engineering consulting firms.

The second stage of the process is a competitive Request for Proposal. Consultants from the short listed group are invited to submit a formal proposal to undertake a specific engineering assignment. Three consultants were invited to submit a proposal for each of the identified project assignments.

An evaluation of the proposals was undertaken by the Environment and Infrastructure Department including both a technical and cost component. Engineering consultants are recommended based on their knowledge and understanding of project goals, their experience on directly related projects, their project team members, capacity and qualifications, and overall project fee.

## **Conclusion**

Replacing infrastructure at the end of its lifecycle is essential to building a sustainable city. The recommended engineering consultant assignments for the Infrastructure

Renewal Program are another step forward in replacing London's aging infrastructure. The projects discussed within this report have been identified as high priority due to the age, poor condition and associated risk of failure associated with the infrastructure.

All the firms recommended through this engineering consultant appointment have shown their competency and expertise with infrastructure replacement projects of this type.

**Prepared by:** **Aaron Rozentals, P.Eng., GDPA**  
**Division Manager, Water Engineering**

**Submitted by:** **Ashley Rammeloo, MMSc, P.Eng.**  
**Director, Water, Wastewater, and Stormwater**

**Recommended by:** **Kelly Scherr, P.Eng., MBA, FEC**  
**Deputy City Manager, Environment and Infrastructure**

cc: D. Gough, K. Johnson, K. Chambers.

Appendix 'A' – Sources of Financing

Appendix 'B' – Project Information List

Appendix 'C' – Location Maps

**Appendix "A"**

#24054

April 9, 2024

(Appoint Consulting Engineers)

Chair and Members

Civic Works Committee

RE: Infrastructure Renewal Program

(Subledger WS25C005) Craig Street

(Subledger WS25C006) Evangeline Street and Third Street

(Subledger WS25C008) Central Avenue

(Subledger WS25C009) Rectory Street

Capital Project ES241424 - Infrastructure Renewal Program - Sanitary Sewers

Capital Project ES254024 - Infrastructure Renewal Program - Stormwater Sewers and Treatment

Capital Project EW376524 - Infrastructure Renewal Program - Watermains

Spriet Associates London Limited - \$182,579.10 (excluding HST) Craig Street

GM Blueplan Engineering Limited - \$380,677.00 (excluding HST) Evangeline Street and Third Street

Archibald, Gray and McKay Engineering Ltd. - \$292,600.00 (excluding HST) Central Avenue

Dillon Consulting Limited - \$249,689.55 (excluding HST) Rectory Street

**Finance Supports Report on the Sources of Financing:**

Finance Supports confirms that the cost of this project can be accommodated within the financing available for it in the Capital Budget and that, subject to the approval of the recommendation of the Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

<b>Estimated Expenditures</b>	<b>Approved Budget</b>	<b>Committed To This Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
<b>ES241424 - Infrastructure Renewal Program - Sanitary Sewers</b>				
Engineering	2,000,000	553,995	337,501	1,108,504
Construction	13,445,971	2,296,544	0	11,149,427
City Related Expenses	25,000	0	0	25,000
<b>ES241424 Total</b>	<b>15,470,971</b>	<b>2,850,539</b>	<b>337,501</b>	<b>12,282,931</b>
<b>ES254024 - Infrastructure Renewal Program - Stormwater Sewers and Treatment</b>				
Engineering	2,000,000	382,583	337,501	1,279,916
Construction	11,083,589	2,611,904	0	8,471,685
City Related Expenses	100,000	0	0	100,000
<b>ES254024 Total</b>	<b>13,183,589</b>	<b>2,994,487</b>	<b>337,501</b>	<b>9,851,601</b>
<b>EW376524 - Infrastructure Renewal Program - Watermains</b>				
Engineering	743,234	293,231	450,003	0
Construction	20,544,434	3,531,690	0	17,012,744
<b>EW376524 Total</b>	<b>21,287,668</b>	<b>3,824,921</b>	<b>450,003</b>	<b>17,012,744</b>
<b>Total Expenditures</b>	<b>\$49,942,228</b>	<b>\$9,669,947</b>	<b>\$1,125,005</b>	<b>\$39,147,276</b>

**Sources of Financing**

<b>ES241424 - Infrastructure Renewal Program - Sanitary Sewers</b>				
Capital Sewer Rates	2,500,250	2,500,250	0	0
Drawdown from Sewage Works Renewal Reserve Fund	10,720,721	0	0	10,720,721
Canada Community-Building Fund	2,250,000	350,289	337,501	1,562,210
<b>ES241424 Total</b>	<b>15,470,971</b>	<b>2,850,539</b>	<b>337,501</b>	<b>12,282,931</b>

**Appendix "A"**

#24054

April 9, 2024

(Appoint Consulting Engineers)

Chair and Members

Civic Works Committee

RE: Infrastructure Renewal Program

(Subledger WS25C005) Craig Street

(Subledger WS25C006) Evangeline Street and Third Street

(Subledger WS25C008) Central Avenue

(Subledger WS25C009) Rectory Street

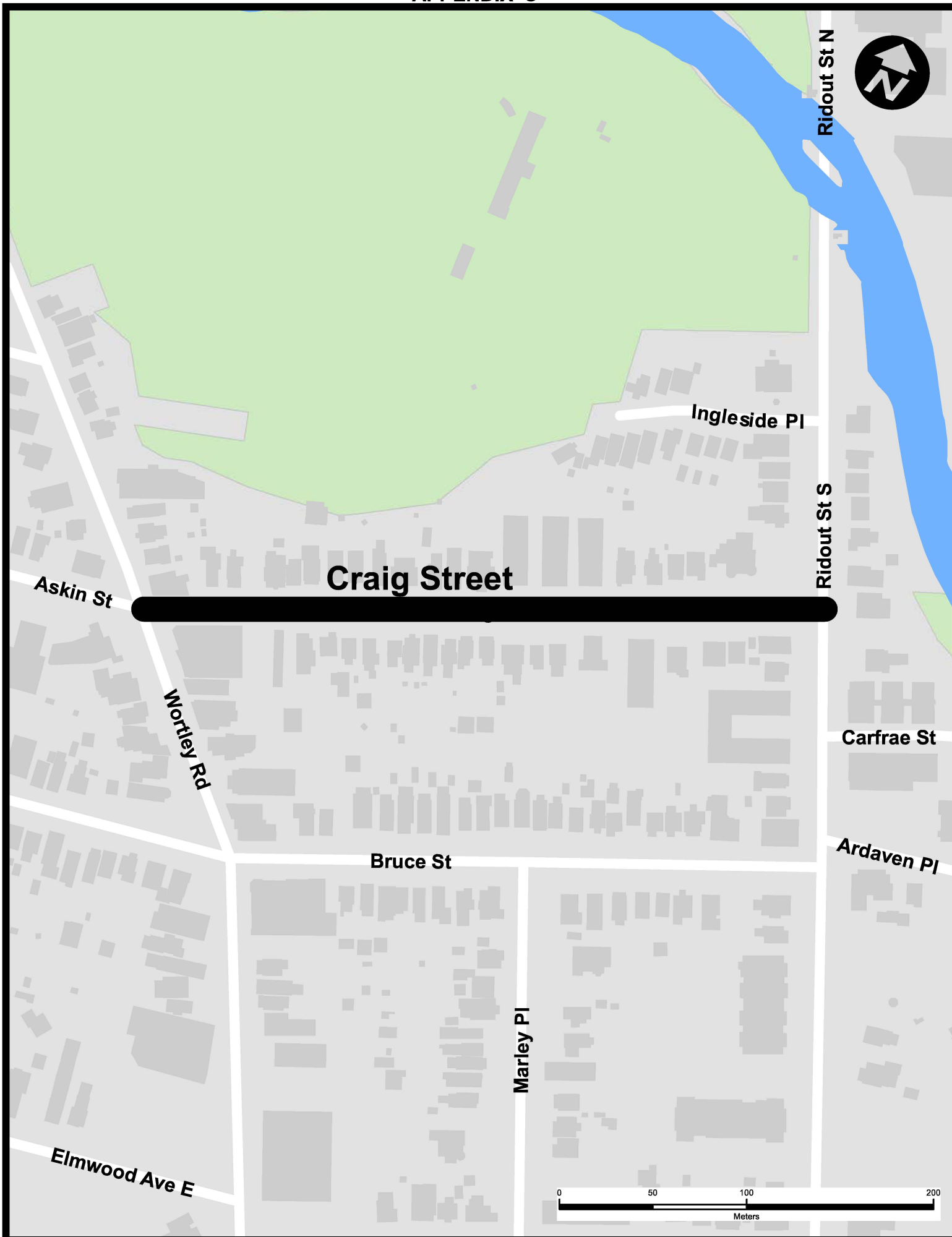
<b>Sources of Financing Continued</b>	<b>Approved Budget</b>	<b>Committed To This Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
<b>ES254024 - Infrastructure Renewal Program - Stormwater Sewers and Treatment</b>				
Capital Sewer Rates	1,000,000	1,000,000	0	0
Drawdown from Sewage Works Renewal Reserve Fund	9,933,589	0	81,988	9,851,601
Canada Community-Building Fund	2,250,000	1,994,487	255,513	0
<b>ES254024 Total</b>	<b>13,183,589</b>	<b>2,994,487</b>	<b>337,501</b>	<b>9,851,601</b>
<b>EW376524 - Infrastructure Renewal Program - Watermains</b>				
Capital Water Rates	10,865,981	3,824,921	450,003	6,591,057
Drawdown from Water Works Renewal Reserve Fund	8,996,687	0	0	8,996,687
Canada Community-Building Fund	1,425,000	0	0	1,425,000
<b>EW376524 Total</b>	<b>21,287,668</b>	<b>3,824,921</b>	<b>450,003</b>	<b>17,012,744</b>
<b>Total Financing</b>	<b>\$49,942,228</b>	<b>\$9,669,947</b>	<b>\$1,125,005</b>	<b>\$39,147,276</b>
<b>Financial Note: (Excluding HST)</b>	<b>ES241424</b>	<b>ES254024</b>	<b>EW376524</b>	<b>Total Excluding HST</b>
<b>Listed by Engineer and Contract</b>				
Spriet Associates London Limited	54,774	54,774	73,032	\$182,580
GM Blueplan Engineering Limited	114,203	114,203	152,271	\$380,677
Archibald, Gray and McKay Engineering Ltd.	87,780	87,780	117,040	\$292,600
Dillon Consulting Limited	74,907	74,907	99,876	\$249,690
<b>Total Per Capital Project (Excluding HST)</b>	<b>\$331,664</b>	<b>\$331,664</b>	<b>\$442,219</b>	<b>\$1,105,547</b>
<b>Financial Note: (Excluding and Including HST)</b>	<b>Total Including HST</b>			
<b>Listed by Engineer and Contract</b>				
Spriet Associates London Limited	\$185,793			
GM Blueplan Engineering Limited	\$387,377			
Archibald, Gray and McKay Engineering Ltd.	\$297,750			
Dillon Consulting Limited	\$254,085			
<b>Total Per Capital Project (Including HST)</b>	<b>\$1,125,005</b>			
<b>Financial Note: Charges per Capital Project</b>	<b>ES241424</b>	<b>ES254024</b>	<b>EW376524</b>	<b>Total</b>
Contract Price	\$331,664	\$331,664	\$442,219	\$1,105,547
Add: HST @13%	43,116	43,116	57,488	143,720
Total Contract Price Including Taxes	374,780	374,780	499,707	1,249,267
Less: HST Rebate	-37,279	-37,279	-49,704	-\$124,262
Net Contract Price	\$337,501	\$337,501	\$450,003	<b>\$1,125,005</b>



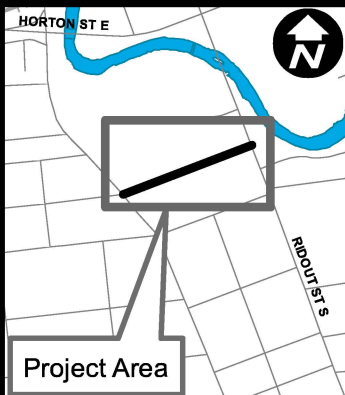
**Appendix 'B' - Project Information List**

Assignment	Consultant	Street	From	To	Length (m)
5	Spriet Associates London Limited	Craig Street	Ridout Street	Wortley Road	360
6	GM BluePlan Engineering Limited	Evangeline Street	Second Street	Third Street	400
		Third Street	Dundas Street	Culver Drive	740
8	Archibald, Gray & McKay Engineering Ltd	Central Avenue	Elizabeth Street	Ontario Street	630
9	Dillon Consulting Limited	Rectory Street	Little Simcoe Street	Florence Street	370

Planned Construction Year
2025
2025
2025
2025
2025



LOCATION MAP



2025 Infrastructure Renewal Program  
Contract 5

Craig Street from Wortley Road to Ridout Street South

Map Produced by  
the Sewer  
Engineering  
Division  
March 12, 2024 CM

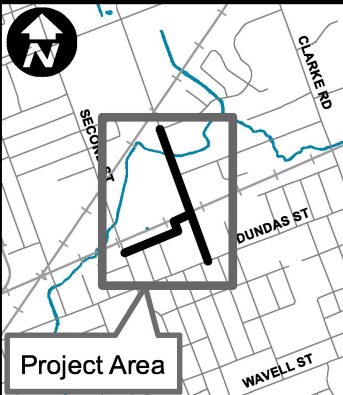


London  
CANADA  
300 Dufferin Avenue,  
PO Box 5035  
London, Ontario  
N6A 4L9  
www.London.ca

 Approximate Project Limits



**LOCATION MAP**



**2025 Infrastructure Renewal Program  
Contract 6**

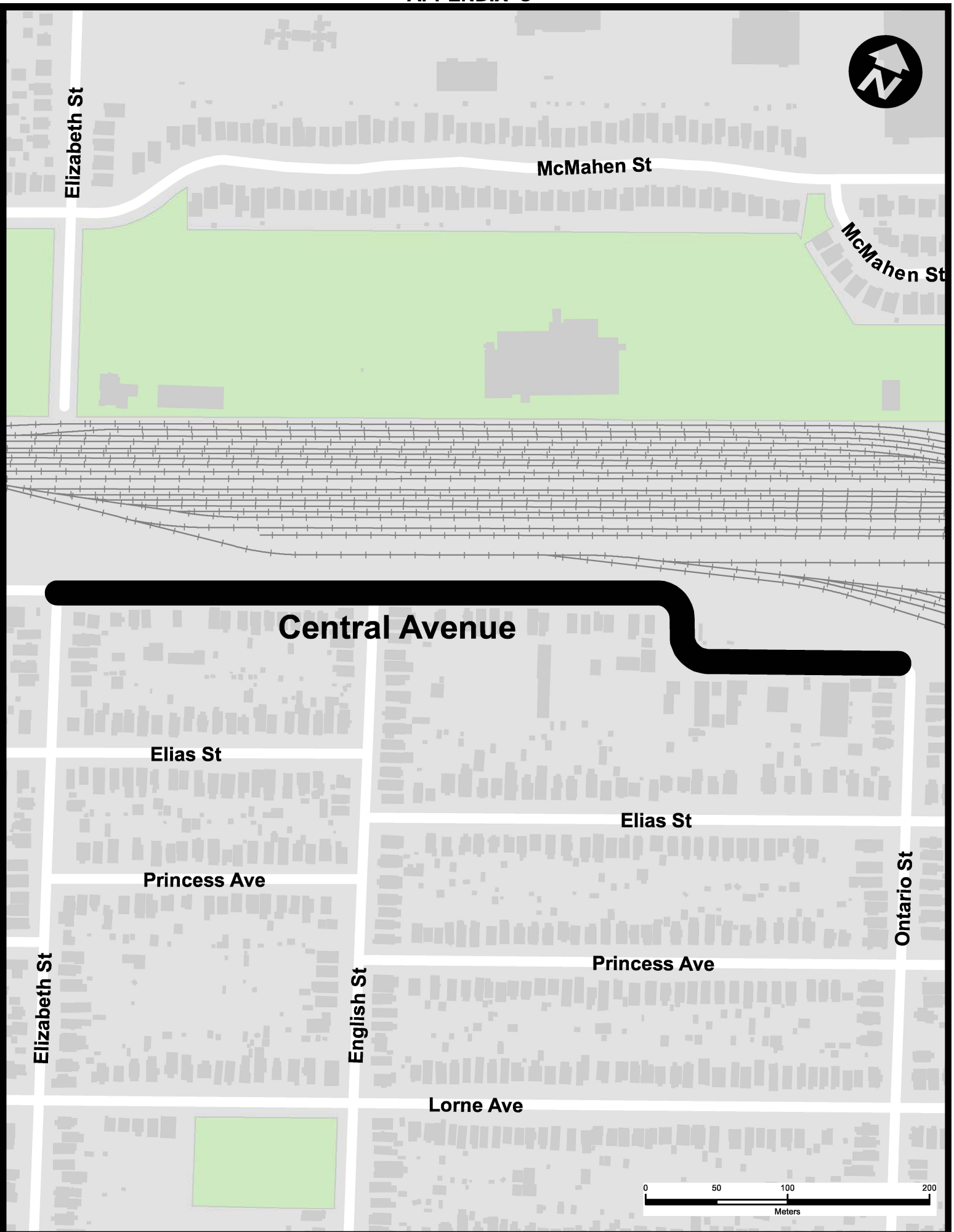
Pottersburg Creek Sanitary Trunk Sewer Replacement Phase III  
 Evangeline Street from Second Street to Third Street  
 Third Street from Dundas Street to Culver Drive

Map Produced by  
 the Sewer  
 Engineering  
 Division  
 March 12, 2024 CM

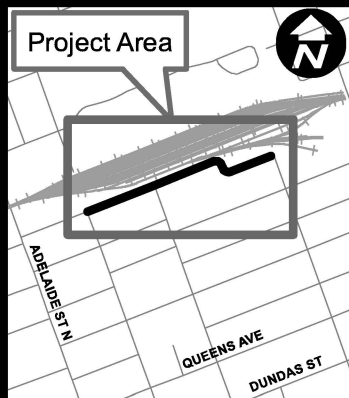


Approximate Project Limits

APPENDIX 'C'



LOCATION MAP



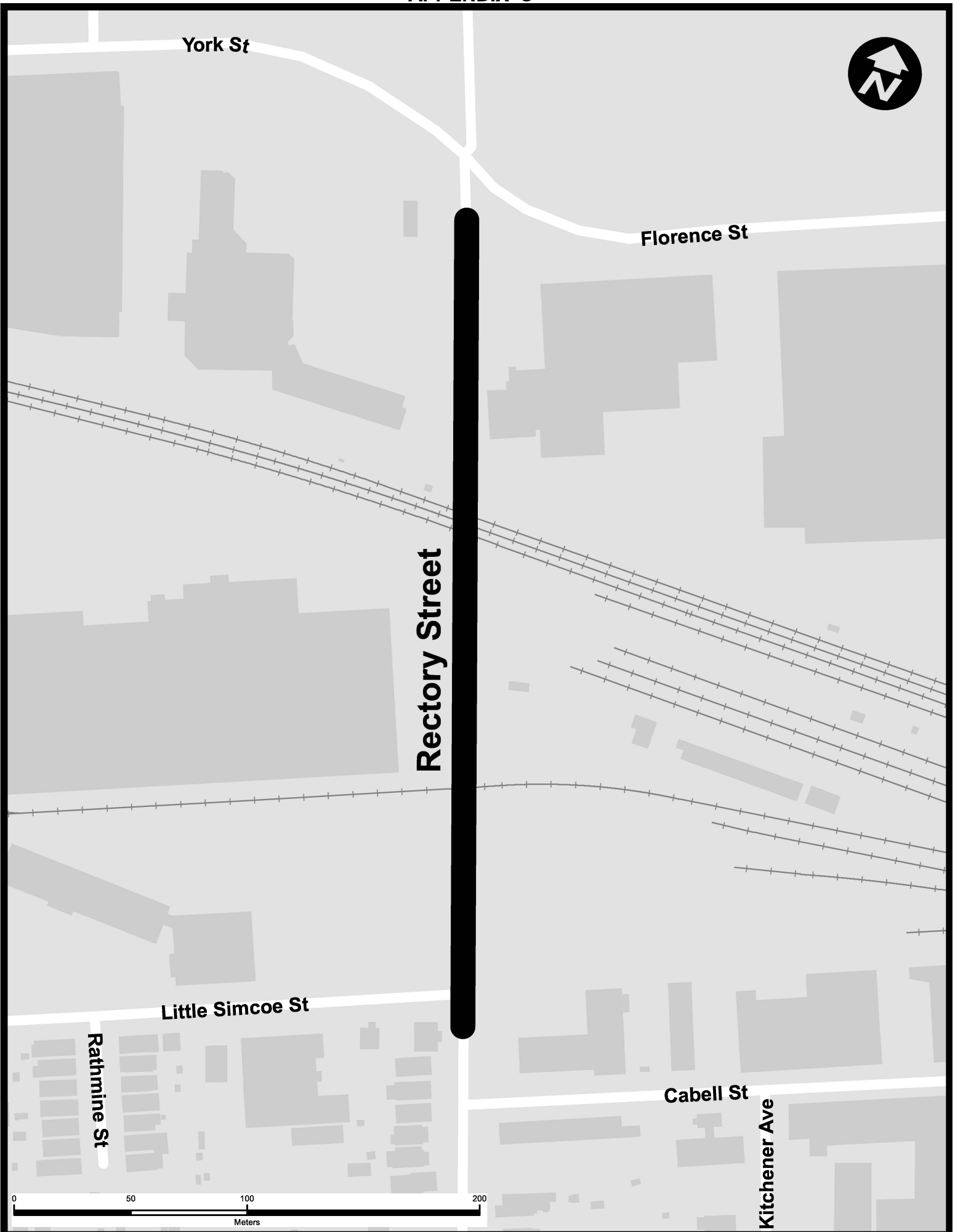
2025 Infrastructure Renewal Program  
Contract 8

Central Avenue from Elizabeth Street to Ontario Street

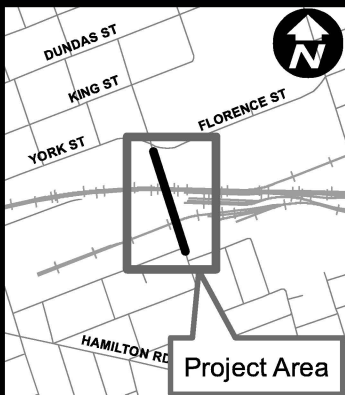
Map Produced by  
the Sewer  
Engineering  
Division  
March 12, 2024 CM



Approximate Project Limits



**LOCATION MAP**



**2025 Infrastructure Renewal Program  
Contract 9**

Rectory Street from Little Simcoe to Florence Street

Map Produced by  
the Sewer  
Engineering  
Division  
March 12, 2024 CM



**London  
CANADA**  
300 Dufferin Avenue,  
PO Box 5035  
London, Ontario  
N6A 4L9  
www.London.ca

 Approximate Project Limits

## Report to Civic Works Committee

**To:** Chair and Members  
Civic Works Committee

**From:** Kelly Scherr, P.Eng., MBA, FEC  
Deputy City Manager, Environment & Infrastructure

**Subject:** Single Source: Adelaide Wastewater Treatment Plant Clarifier Drive Replacement

**Date:** April 9, 2024

## Recommendation

That, on the recommendation of the Deputy City Manager, Environment & Infrastructure, the following actions **BE TAKEN** with respect to the replacement of a clarifier drive mechanism at Adelaide Wastewater Treatment Plant:

- a) The contract for supply and delivery **BE AWARDED** to Evoqua Water Technologies in the amount of \$60,000.00, excluding HST, as a single source award in accordance with Article 14.4.d of the Procurement of Goods and Services Policy;
- b) the financing for this project **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix 'A'; and
- c) the Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.
- d) the Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this project.

## Executive Summary

Many components of the Adelaide Wastewater Treatment Plant are aging. City staff pursue preventive maintenance planning and activities to obtain the longest service life possible out of any installed equipment without jeopardizing treatment processes. The clarifier drive unit requested has reached its end of life, shows signs of deterioration, and spare parts are no longer available, requiring a complete replacement that suits the installed mechanism.

This report recommends the approval of a single source procurement and award the contract to Evoqua Water Technologies LLC ("Evoqua") for the supply and delivery of a replacement drive unit for secondary clarifier 2-4 (signifying Section 2, clarifier 4) at Adelaide Wastewater Treatment Plant.

## Linkage to the Corporate Strategic Plan

This report supports the 2023-2027 Corporate Strategic Plan by contributing to the following outcome:

- Climate Action and Sustainable Growth
  - London's infrastructure and systems are built, maintained, and operated to meet the long-term needs of the community.

## Analysis

### 1.0 Background Information

#### 1.1 Previous Reports Related to this Matter

None.

## 2.0 Discussion and Considerations

### 2.1 Description of Project and Justification for Single Source

The Adelaide Wastewater Treatment Plant currently provides sanitary servicing for north and northeast London. It has a rated capacity of 36,400 m<sup>3</sup>/d, making it London's third-largest treatment plant.

Secondary clarifiers are the final step before disinfection and discharge of treated water at the Adelaide plant. They are essentially large basins that allow any solids to settle out and be removed from the process. Clarifier mechanisms collect those settled solids, allowing them to be pumped to the solids thickening process prior to haulage to Greenway Wastewater Treatment Plant for preparation for final disposal.

Section 2 currently provides all treatment at Adelaide and it was constructed in 1977, meaning equipment original to that expansion project is approaching 50 years old. Preventive maintenance programs have kept the current equipment in operation but they are approaching or have reached their end of life. The clarifier mechanism in question (in clarifier 2-4) is now showing signs of probable failure so immediate action is required. Because of the age of the equipment there are no longer any spare parts available for further re-builds; a full replacement is the only option available to maintenance staff.

### 2.2 Procurement of Services

Staff are recommending the award of this purchase to Evoqua as a single source award because they are the current Canadian representative for the supply of the replacement drive unit. Since this is the drive unit designed to fit the existing clarifier mechanism, approval for the single source is being requested in accordance with Article 14.4.d of the Procurement of Goods and Services Policy: "There is a need for compatibility with goods and/or service previously acquired..."

## 3.0 Financial Impact/Considerations

The detailed source of financing is included in Appendix A of this report. The purchase will be funded from existing capital sources as shown.

## Conclusion

The replacement of the drive unit in clarifier 2-4 at Adelaide Treatment Plant must occur in order to maintain reliable operation and treatment processes. Evoqua is the Canadian representative of the clarifier manufacturer and is therefore the only source of the replacement drive. It is recommended that a purchase order to Evoqua Water Treatment Technologies in the total amount of \$60,000.00 plus HST be approved for this purchase.

**Prepared by:** Kirby Oudekerk, MPA, P.Eng.  
Division Manager, Wastewater Treatment Operations

**Submitted by:** Ashley Rammeloo, MSc., P. Eng.  
Director, Water, Wastewater and Stormwater

**Recommended by:** Kelly Scherr, P. Eng., MBA, FEC  
Deputy City Manager, Environment & Infrastructure

Appendix 'A' Source of Financing

cc: Steve Mollon, Senior Manager, Procurement and Supply  
Jason Davies, Manager III, Financial Planning and Policy  
Zeina Nsair, Financial Business Administrator, Finance and Corporate Services



**Appendix "A"**

**#24055**

April 9, 2024

(Award Contract)

Chair and Members

Civic Works Committee

RE: Single Source: Adelaide Wastewater Treatment Plant Clarifier Drive Replacement

(Subledger DR240001)

Capital Project ES508424 - WWTP Optimization and Renewal

Evoqua Water Technologies - \$60,000.00 (excluding HST)

**Finance Supports Report on the Sources of Financing:**

Finance Supports confirms that the cost of this project can be accommodated within the financing available for it in the Capital Budget and that, subject to the approval of the recommendation of the Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

<b>Estimated Expenditures</b>	<b>Approved Budget</b>	<b>Committed to Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
Construction	1,890,432	303,245	0	1,587,187
City Related Expenses	8,835	8,835	0	0
Vehicles and Equipment	750,000	387,244	61,056	301,700
<b>Total Expenditures</b>	<b>\$2,649,267</b>	<b>\$699,324</b>	<b>\$61,056</b>	<b>\$1,888,887</b>

**Sources of Financing**

Drawdown from Sewage Works Renewal Reserve Fund	2,649,267	699,324	61,056	1,888,887
<b>Total Financing</b>	<b>\$2,649,267</b>	<b>\$699,324</b>	<b>\$61,056</b>	<b>\$1,888,887</b>

**Financial Note:**

Contract Price	\$60,000
Add: HST @13%	7,800
Total Contract Price Including Taxes	67,800
Less: HST Rebate	-6,744
Net Contract Price	\$61,056

Alan Dunbar

Manager of Financial Planning and Policy

lp

## Report to Civic Works Committee

**To:** Chair and Members  
Civic Works Committee

**From:** Kelly Scherr, P. Eng., MBA, FEC, Deputy City Manager,  
Environment & Infrastructure

**Subject:** Adelaide Street North Bridge over the Thames River  
Rehabilitation - Detail Design and Tendering  
Appointment of Consulting Engineer

**Date:** April 9, 2024

## Recommendation

That, on the recommendation of the Deputy City Manager, Environment & Infrastructure, the following actions **BE TAKEN** with respect to the rehabilitation of the Adelaide Street North Bridge over the Thames River:

- (a) Dillon Consulting Limited **BE AUTHORIZED** to carry out the detailed design and tendering in the amount of \$250,350 (excluding HST), in accordance with Section 15.2 (g) of the Procurement of Goods and Services Policy;
- (b) The financing for this contract amendment **BE APPROVED** as set out in the Sources of Financing Report attached hereto as Appendix A;
- (c) The Civic Administration **BE AUTHORIZED** to undertake all the administrative acts that are necessary in connection with this contract; and,
- (d) The Mayor and City Clerk **BE AUTHORIZED** to execute any contract or other documents, if required, to give effect to these recommendations.

## Executive Summary

In 2014, the City appointed Dillon Consulting Limited to complete a Schedule 'B' Municipal Class Environmental Assessment (EA) and Preliminary Design to connect an existing gap in the Thames Valley Parkway (TVP) from Richmond Street to Adelaide Street. Dillon Consulting was later retained in 2017 and 2019 to complete the detailed design and contract administration phases for the construction of the multi-use pathway connections along the North Branch of the Thames River between Richmond Street North and Adelaide Street North.

The Richmond to Adelaide Street North Thames Valley Parkway EA also recommended a multi-use pathway connection from the Stoney Creek pathway to the Thames Valley Parkway. This pathway connection requires modification to the Adelaide Street North Bridge over the Thames River. The bridge also requires rehabilitation to extend the service life and improve the condition of the structure.

This report seeks the appointment of Dillon Consulting Limited as the engineering consultant to undertake the detailed design and tendering phases required for the rehabilitation of the Adelaide Street North Bridge within this next phase of the pathway project.

## Linkage to the Corporate Strategic Plan

Municipal Council's Strategic Plan identifies "Mobility and Transportation" as a strategic area of focus. This report supports the Strategic Plan by identifying the building of infrastructure that provides safe, integrated, connected, reliable and efficient transportation choices.

## Analysis

### 1.0 Background Information

#### 1.1 Previous Reports Related to this Matter

- Community and Protective Services Committee – August 25, 2014 – Richmond to Adelaide Street North, Thames Valley Parkway, Environmental Assessment Study, Appointment of Consulting Engineer
- Community and Protective Services Committee – July 19, 2016 – Thames Valley Parkway North Branch Connection, Class Environmental Assessment
- Civic Works Committee – August 29, 2017 – Thames Valley Parkway North Branch Connection, Detailed Design and Tendering, Appointment of Consulting Engineer
- Community & Protective Services Committee - July 18, 2023 – Active Transportation Fund for Stoney Creek Pathway Connection to the Thames Valley Parkway– Contribution Agreement

### 2.0 Discussion and Considerations

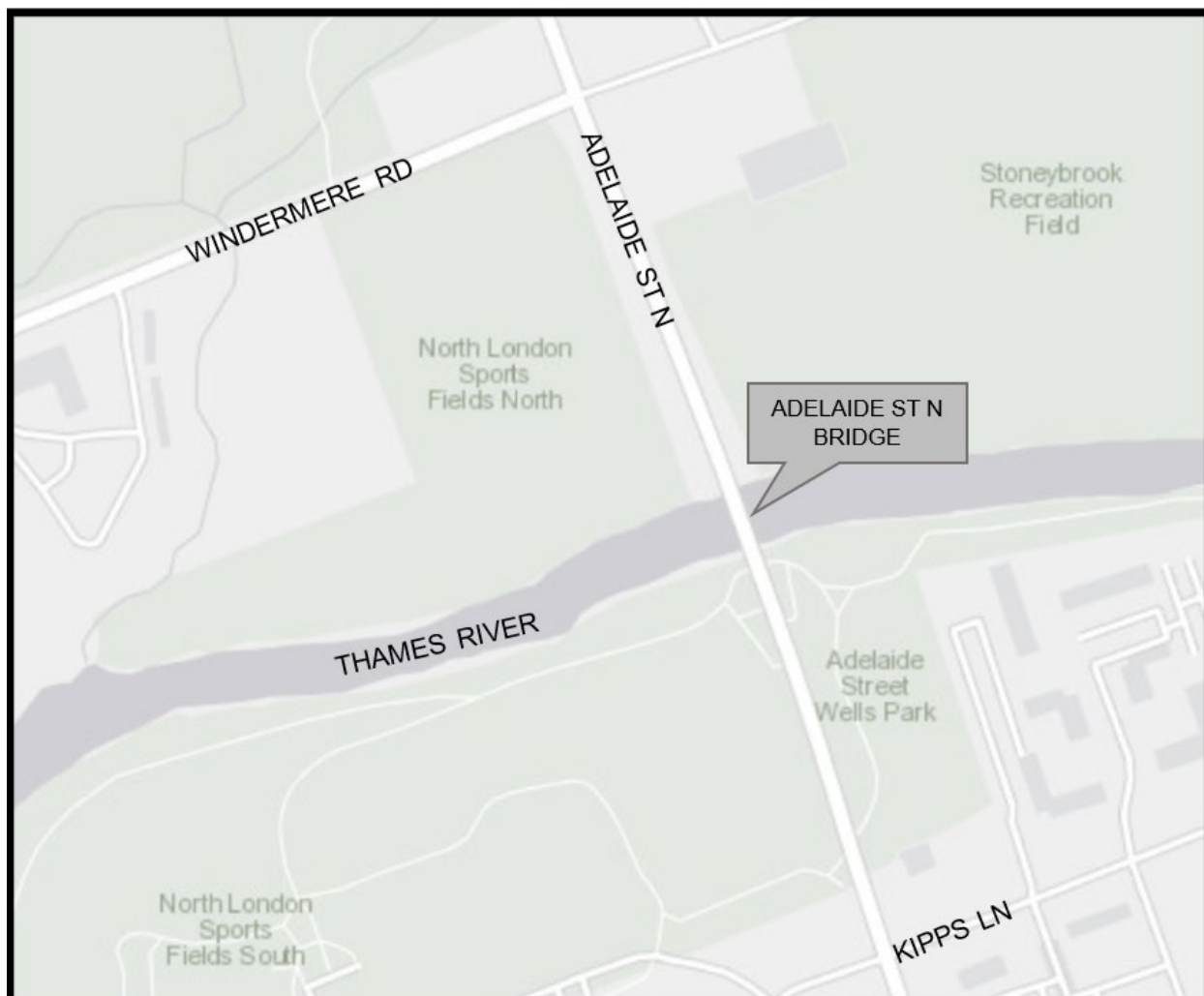
#### 2.1 Background

Construction of a multi-use path on the Adelaide Street North Bridge was identified as part of the Thames Valley Parkway North Branch Connection Environmental Assessment Study which was approved in 2017. The Stoney Creek connection will provide a new multi-use pathway, over 1.2 km in length, along Windermere Road and Adelaide Street North connecting to the Thames Valley Parkway. This new connection will link the Stoney Creek neighbourhood to the Thames Valley Parkway pathway system. The Stoney Creek pathway is planned for construction in 2024 and is partially funded through a federal grant under the Active Transportation Fund.

The Stoney Creek pathway also requires modifications to the Adelaide Street North Bridge, located as shown in Figure 1. The bridge was constructed in 1982 and is in fair condition. Since its original construction, no major rehabilitation has occurred. As part of the 2023 Bridge Inspection Program, the Adelaide Street North Bridge was also recommended for major rehabilitation within the near term. Coordinating the required rehabilitation of the bridge as a phase of the pathway project will achieve cost-efficiencies and less user disruption.

In 2023, a detailed bridge condition survey and preliminary structural design report was completed and recommended that a major rehabilitation be completed to extend the service life by 30 years. The proposed rehabilitation of the Adelaide Street North Bridge includes removal and replacement of various components of the bridge structure such as the existing asphalt and waterproofing system, bridge expansion joints and repairs to some deteriorated concrete located on the bridge deck, girder ends, piers, abutments, east sidewalk and wingwalls. The pathway connection would be achieved through this rehabilitation with the removal and replacement of the west sidewalk with a new pathway.

The tender for the bridge rehabilitation is planned for late 2024 with a construction start in the Spring of 2025. It is anticipated that the project will be substantially complete in the Fall of 2025.



**Figure 1:** Adelaide Street North Bridge

## 2.2 Procurement Process

The consultant process for this assignment has been undertaken in accordance with Section 15.2 (g) of the City's Procurement of Goods & Services Policy:

A consulting firm which has satisfactorily partially completed a project may be recommended for award of the balance of a project without competition subject to satisfying all financial, reporting and other conditions contained within this Policy. This should be to the financial advantage of the City due to the fact that such a consultant has specific knowledge of the project and has undertaken work for which duplication would be required if another firm were to be selected.

Dillon successfully completed the Richmond to Adelaide Street North Thames Valley Parkway EA after a competitive procurement process (RFP14-46). Due to the consultant's past performance, knowledge and understanding of the project, the consultant was invited to submit a proposal to carry out the subsequent detailed design and tendering phases of the project. City staff have reviewed this proposal, including the financial and technical components, and confirmed that it addresses the required scope of work and provides good value for the City. The submitted fees are consistent with other similar city projects. The consultant's knowledge and past experience with this will result in cost and schedule efficiencies and provides good value for the City.

### 3.0 Financial and Schedule Considerations

This report identifies a financial commitment in the amount of \$250,350 (excluding HST) to complete the detailed design and tendering of the bridge rehabilitation and pathway connection. Funds for this additional work are available in the approved budget as per the attached Source of Financing Report in Appendix A. The amended contract includes a contingency in the event of unforeseen requirements.

### Conclusion

The Adelaide Street North Bridge is recommended for rehabilitation in 2025 to improve its condition, extend the service life of the structure, and complete the Stoney Creek pathway connection to the Thames Valley Parkway. Integration of the life-cycle renewal rehabilitation with the pathway project will improve project delivery.

It is recommended that Dillon Consulting Limited be authorized to complete the detailed design and tendering phases required for the rehabilitation of Adelaide Street North Bridge and new pathway crossing over the Thames River.

Dillon Consulting Limited has demonstrated a good understanding of the requirements for this project and has effectively completed the earlier project phase in an effective manner. The City will realize cost and schedule efficiencies by appointing Dillon Consulting Limited to complete this project phase as they have significant knowledge, background and experience within their consulting team given their involvement in earlier project phases and bridge engineering expertise.

**Prepared by:** Garfield Dales, P. Eng., Division Manager  
Transportation Planning & Design

**Submitted by:** Doug MacRae, P. Eng., MPA, Director Transportation & Mobility

**Recommended by:** Kelly Scherr, P. Eng., MBA, FEC Deputy City Manager,  
Environment & Infrastructure

Appendix A: Source of Financing Report

c: Steve Mollon, Senior Manager, Procurement & Supply  
Andrew Denomme, P.Eng., Transportation Design Engineer  
Steven Funk, Technologist II  
Curtis Watson, P.Eng., Dillon Consulting Limited

**Appendix "A"**

#24056  
 April 9, 2024  
 (Contract Amendment)

Chair and Members  
 Civic Works Committee

RE: Adelaide Street North Bridge over the Thames River - Detail Design and Tendering  
 (Subledger PK230011)  
 Capital Project PD2043-15 - New Major Open Space Network  
 Capital Project PD204318 - New Major Open Space Network  
 Capital Project TS176323 - Bridges Major Upgrades  
 Dillon Consulting Limited - \$250,350.00 (excluding HST)

**Finance Supports Report on the Sources of Financing:**

Finance Supports confirms that the cost of this project can be accommodated within the financing available for it in the Capital Budget and that, subject to the approval of the recommendation of the Deputy City Manager, Environment and Infrastructure, the detailed source of financing is:

<b>Estimated Expenditures</b>	<b>Approved Budget</b>	<b>Committed To Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
<b>PD2043-15 - New Major Open Space Network</b>				
Engineering	293,728	245,316	48,412	0
Construction	494,699	494,699	0	0
<b>PD2043-15 Total</b>	<b>788,427</b>	<b>740,015</b>	<b>48,412</b>	<b>0</b>
<b>PD204318 - New Major Open Space Network</b>				
Engineering	192,170	3,876	12,730	175,564
Construction	1,059,233	417,010	0	642,223
<b>PD204318 Total</b>	<b>1,251,403</b>	<b>420,886</b>	<b>12,730</b>	<b>817,787</b>
<b>TS176323 - Bridges Major Upgrades</b>				
Engineering	1,305,712	1,112,097	193,615	0
Construction	4,082,949	4,070	0	4,078,879
City Related Expenses	20,000	2,624	0	17,376
<b>TS176323 Total</b>	<b>5,408,661</b>	<b>1,118,791</b>	<b>193,615</b>	<b>4,096,255</b>
<b>Total Expenditures</b>	<b>\$7,448,491</b>	<b>\$2,279,692</b>	<b>\$254,757</b>	<b>\$4,914,042</b>

**Sources of Financing**

<b>PD2043-15 - New Major Open Space Network</b>				
Debenture By-law No. W.-5583-182	296,500	288,297	8,203	0
Active Transportation Fund - Federal Grant	88,427	59,380	29,047	0
Drawdown from City Services - Parks and Recreation Reserve Fund (Development Charges) (Note 1)	403,500	392,337	11,163	0
<b>PD2043-15 Total</b>	<b>788,427</b>	<b>740,015</b>	<b>48,412</b>	<b>0</b>
<b>PD204318 - New Major Open Space Network</b>				
Capital Levy	36,000	36,000	0	0
Debenture by-law No. W.-5678-334	389,242	143,625	2,173	243,444
Active Transportation Fund - Federal Grant	255,000	0	7,638	247,362
Drawdown from City Services - Parks and Recreation Reserve Fund (Development Charges) (Note 1)	571,161	241,261	2,919	326,981
<b>PD204318 Total</b>	<b>1,251,403</b>	<b>420,886</b>	<b>12,730</b>	<b>817,787</b>

**Appendix "A"**

#24056  
 April 9, 2024  
 (Contract Amendment)

Chair and Members  
 Civic Works Committee

RE: Adelaide Street North Bridge over the Thames River - Detail Design and Tendering  
 (Subledger PK230011)  
 Capital Project PD2043-15 - New Major Open Space Network  
 Capital Project PD204318 - New Major Open Space Network  
 Capital Project TS176323 - Bridges Major Upgrades  
 Dillon Consulting Limited - \$250,350.00 (excluding HST)

<b>Sources of Financing Continued</b>	<b>Approved Budget</b>	<b>Committed To Date</b>	<b>This Submission</b>	<b>Balance for Future Work</b>
<b>TS176323 - Bridges Major Upgrades</b>				
Capital Levy	476,131	476,131	0	0
Drawdown from Transportation Renewal Reserve Fund	2,010,767	0	0	2,010,767
Canada Community-Building Fund	2,921,763	642,660	193,615	2,085,488
<b>TS176323 Total</b>	<b>5,408,661</b>	<b>1,118,791</b>	<b>193,615</b>	<b>4,096,255</b>
<b>Total Financing</b>	<b>\$7,448,491</b>	<b>\$2,279,692</b>	<b>\$254,757</b>	<b>\$4,914,042</b>

<b>Financial Note:</b>	<b>PD2043-15A</b>	<b>PD204318A</b>	<b>TS176323</b>	<b>Total</b>
Contract Price	47,574	\$12,510	\$190,266	\$250,350
Add: HST @13%	6,185	1,626	24,735	32,546
Total Contract Price Including Taxes	53,759	14,136	215,001	282,896
Less: HST Rebate	-5,347	-1,406	-21,386	-28,139
Net Contract Price	\$48,412	\$12,730	\$193,615	\$254,757

**Note 1:** Development charges have been utilized in accordance with the underlying legislation and the approved 2019 Development Charges Background Study and the 2021 Development Charges Background Study Update.

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Alan Dunbar  
 Manager of Financial Planning & Policy

lp

## Report to Civic Works Committee

**To:** Chair and Members  
Civic Works Committee

**From:** Kelly Scherr, P.Eng., MBA, FEC  
Deputy City Manager, Environment, and Infrastructure

**Subject:** Holtby Municipal Drain Petition and Request for Maintenance  
and Consultant Appointment

**Date:** April 9, 2024

## Recommendation

That on the recommendation of Deputy City Manager, Environment and Infrastructure, the following actions **BE TAKEN** with respect to the Holtby Municipal Drain:

- (a) The petition for a New Branch and a Request for a Major Improvement to the Holtby Municipal Drain located in the area of Highbury and Glanworth Drive to benefit the drainage of 1510 Glanworth Drive, Township of Westminster **BE ACCEPTED** by the Council of the Corporation of the City of London under section 4 and 78 of the Drainage Act, and
- (b) Spriet Associates London Limited **BE APPOINTED** under section 4 and 78 of the Drainage Act.

## Linkage to the Corporate Strategic Plan

This recommendation supports the following 2023-2027 Strategic Plan areas of focus:

- Waterways, wetlands, watersheds, and natural areas are protected and enhanced.
  - Protect the natural environment and avoid natural hazards when building new infrastructure or development.
  - Improve the natural environment and build resiliency when replacing aging infrastructure.

## Executive Summary

City staff received a petition for a new drain and Request for a Major Improvement under sections 4 and 78 of the Drainage Act to improve the Holtby Municipal Drain. Staff recommend that Council accept the petition and appoint an engineering consultant to assess the requested improvements and implement supportable drainage works in accordance with the Drainage Act.

## Analysis

### 1.0 Background Information

#### 1.1 Previous Reports Related to this Matter.

- None.

### 2.0 Discussion and Considerations

#### 2.1 Purpose

On January 26<sup>th</sup>, 2024 staff received a Petition and Request for Maintenance, Appendix A, for drainage from the registered owner of 1510 Glanworth Drive, former Geographic Township of Westminster. The property is currently serviced by the Holtby Municipal Drain. The signee of the petition and owner of 1510 Glanworth Drive would like the current private branch to the Municipal Drain to be brought up to current design



standards.

### **3.0 Financial Impact/Considerations**

#### **3.1 Procurement Process**

Spriet Associates London Limited is recommended to be appointed as the consultant to conduct a preliminary site visit and if suitable, prepare a report, and implement supportable drainage works, in accordance with Section 4 and Section 78 of the Ontario Drainage Act. This consultant assignment will be awarded to Spriet Associates London Ltd. in accordance with 15.2c) of the City's Procurements of Goods and services Policy, selection of Professional Consulting Services less than \$ 100,000.

In accordance with the Drainage Act costs associated with this project will be assessed to the property owners using the maintenance schedule that will be created with the updated Drainage Report.

### **Conclusion**

City staff recommend accepting the petition to evaluate the drainage concerns at 1510 Glanworth Drive and for the named engineering consultant, Spriet Associates London Ltd. to pursue next steps and implementation, in accordance with Ontario Drainage Act RSO 1990.

**Prepared by:**                      **Shawna Chambers, DPA, P.Eng.**  
**Division Manager, Stormwater Engineering**

**Submitted by:**                    **Ashley M. Rammeloo, MSc., P.Eng.**  
**Director, Water, Wastewater, and Stormwater**

**Recommended by:**              **Kelly Scherr, P.Eng., MBA, FEC**  
**Deputy City Manager, Environment, and Infrastructure**

Appendix 'A' –              Landowner Request

Appendix 'B' -              Drainage Area Map

cc:                      Paul Titus, Program Manager, Stormwater Engineering  
                             Jessica Trela, Drainage Superintendent, Stormwater Engineering  
                             M. DeVos – Spriet Associates London Ltd.  
                             A. Kruspel – Spriet Associates London Ltd.

# Appendix A



Ministry of Agriculture,  
Food and Rural Affairs

## Petition for Drainage Works by Owners

### Form 1

Drainage Act, R.S.O. 1990, c. D.17, clause 4(1)(a) or (b)

This form is to be used to petition municipal council for a new drainage works under the Drainage Act. It is not to be used to request the improvement or modification of an existing drainage works under the Drainage Act.

To: The Council of the Corporation of the City of London

The area of land described below requires drainage (provide a description of the properties or the portions of property that require drainage improvements)

- 1510 Glanworth Drive

- Drain going under Glanworth Drive is restricting flow.

- Road is blocked by natural flow and water is diverted to a subsurface drain; the drain is undersized and prevent future field tile project from starting.

In accordance with section 9(2) of the Drainage Act, the description of the area requiring drainage will be confirmed or modified by an engineer at the on-site meeting.

As owners of land within the above described area requiring drainage, we hereby petition council under subsection 4(1) of the Drainage Act for a drainage works. In accordance with sections 10(4), 43 and 59(1) of the Drainage Act, if names are withdrawn from the petition to the point that it is no longer a valid petition, we acknowledge responsibility for costs.

Purpose of the Petition (To be completed by one of the petitioners. Please type/print)

Contact Person (Last Name)

(First Name)

Address

Road/Street Number

Road/Street Name

Location of Project

Lot

Concession

Municipality

Former Municipality (If applicable)

City of London

Westminster (Middlesex County)

What work do you require? (Check all appropriate boxes)

- Construction of new open channel
- Construction of new tile drain
- Deepening or widening of existing watercourse (not currently a municipal drain)
- Enclosure of existing watercourse (not currently a municipal drain)
- Other (provide description ▼)

include an unofficial branch of hobby drain to be included as an official branch and improve subsurface road drain

Name of watercourse (if known)

Hobby Drain

Est. length of project

380 feet

General description of soils in the area

Clay, loam, sand

What is the purpose of the proposed work? (Check appropriate box)

- Tile drainage only
- Surface water drainage only
- Both

Petition filed this 20<sup>th</sup> day of March, 2024

Name of Clerk (Last, first name) per

Chambers, Shawna

Signature

S. Chambers

- Property Owner's Signature
- Your municipal property tax bill will provide the property description and parcel roll number.
  - In rural areas, the property description should be in the form of (part) lot and concession and civic address.
  - In urban areas, the property description should be in the form of street address and lot and plan number if available.
  - If you have more than two properties, please take copy(ies) of this page and continue to list them all.

Number	Property Description	Parcel Roll Number
1510	Glanworth Drive Lot 8 Conc 7	080010 01 200 000A8
Ward or Geographic Township		
City of London (Westminster)		

I hereby petition for drainage for the land described and acknowledge my financial obligations.

Ownership

Sole Ownership  
Owner Name (Last, First Name) (Type/Print) Signature Date (yyyy/mm/dd)

Partnership (Each partner in the ownership of the property must sign the petition form)  
Owner Name (Last, First Name) (Type/Print) Signature Date (yyyy/mm/dd)

[Redacted] [Redacted] 2023/08/01

Corporation (The individual with authority to bind the corporation must sign the petition)  
Name of Signing Officer (Last, First Name) (Type/Print) Signature  
Name of Corporation I have the authority to bind the Corporation.  
Position Title Date (yyyy/mm/dd)

Number	Property Description	Parcel Roll Number
Ward or Geographic Township		

I hereby petition for drainage for the land described and acknowledge my financial obligations.

Ownership

Sole Ownership  
Owner Name (Last, First Name) (Type/Print) Signature Date (yyyy/mm/dd)

Partnership (Each partner in the ownership of the property must sign the petition form)  
Owner Name (Last, First Name) (Type/Print) Signature Date (yyyy/mm/dd)

Corporation (The individual with authority to bind the corporation must sign the petition)  
Name of Signing Officer (Last, First Name) (Type/Print) Signature  
Name of Corporation I have the authority to bind the Corporation.  
Position Title Date (yyyy/mm/dd)

Check here if additional sheets are attached Clerk Initial

- Petitioners become financially responsible as soon as they sign a petition.
- Once the petition is accepted by council, an engineer is appointed to respond to the petition. *Drainage Act, R.S.O. 1990, c. D. 17 subs. 8(1).*
  - After the meeting to consider the preliminary report, if the petition does not comply with section 4, the project is terminated and the original petitioners are responsible in equal shares for the costs. *Drainage Act, R.S.O. 1990, c. D. 17 subs. 10(4).*
  - After the meeting to consider the final report, if the petition does not comply with section 4, the project is terminated and the original petitioners are responsible for the costs in shares proportional to their assessment in the engineer's report. *Drainage Act, R.S.O. 1990, c. D. 17 s. 43.*
  - If the project proceeds to completion, a share of the cost of the project will be assessed to the involved properties in relation to their assessment schedule in the engineer's report, as amended on appeal. *Drainage Act, R.S.O. 1990, c. D. 17 s. 81.*

Notice of Collection of Personal Information

Any personal information collected on this form is collected under the authority of the *Drainage Act, R.S.O. 1990, c. D.17* and will be used for the purposes of administering the Act. Questions concerning the collection of personal information should be directed to: where the form is addressed to a municipality (municipality to complete)

and where the form is addressed to a territory without municipal organization, the Drainage Coordinator, Ministry of Agriculture, Food and Rural Affairs, 1 Stone Rd W, Guelph ON N1G 4Y2, 519 828-3552.



**Notice of Request for Drain  
Major Improvement  
Drainage Act, R.S.O.  
1990, c. D.17, subs. 78 (1.1)**

To: The Council of the Corporation of the City \_\_\_\_\_ of London \_\_\_\_\_

Re: Holtby Drain \_\_\_\_\_  
(Name of Drain)

In accordance with section 78 (1.1) of the *Drainage Act*, take notice that I, as owner of land affected, request that the above mentioned drain be improved.

The Major Improvement Project work being requested is (check all appropriate boxes):

- Changing the course of the drainage works;
- Making a new outlet for the whole or any part of the drainage works;
- Constructing a tile drain under the bed of the whole or any part of the drainage works;
- Constructing, reconstructing or extending bridges or culverts;
- Extending the drainage works to an outlet;
- Improving or altering the drainage works if the drainage works is located on more than one property;
- Covering all or part of the drainage works;
- Consolidating two or more drainage works; and/or
- Any other activity to improve the drainage works, other than an activity prescribed by the Minister as a minor improvement.

Provide a more specific description of the proposed drain major improvement you are requesting:  
Requesting upgrades to the existing municipal drain to meet or exceed modern Drainage Act standards.

**Property Owners**

- Your municipal property tax bill will provide the property description and parcel roll number.
- In rural areas, the property description should be in the form of (part) lot and concession and civic address.
- In urban areas, the property description should be in the form of street address and lot and plan number, if available.

Property Description [REDACTED]	
Ward or Geographic Township Ward 14	Parcel Roll Number [REDACTED]

If property is owned in partnership, all partners must be listed. If property is owned by a corporation, list the corporation's name and the name and corporate position of the authorized officer. Only the owner of the property may request a drain improvement.

**Ownership**

**Sole Ownership**

If you need to provide additional information, please attach along with this form.

**Sole Ownership**

Owner Name (Last, First Name) (Type/Print)	Signature	Date (yyyy/mm/dd)
[REDACTED]	[REDACTED] 2024.01.26 08:39:35 -05'00'	2024/01/26

**Enter the mailing address and primary contact information of property owner below:**

Last Name [REDACTED]	First Name [REDACTED]	Middle Initial M
-------------------------	--------------------------	---------------------

**Mailing Address**

Unit Number	Street/Road Number [REDACTED]	Street/Road Name [REDACTED]	PO Box
City/Town City of London	Province Ontario	Postal Code [REDACTED]	
Telephone Number [REDACTED]	Cell Phone Number (Optional)	Email Address (Optional) [REDACTED]	

To be completed by recipient municipality:

Notice filed this 20<sup>th</sup> day of March 2024

Name of Clerk (Last, First Name) <i>per</i> Chambers, Shawna	Signature of Clerk <i>[Signature]</i>
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### Appendix B Location Map - Holtby Drain - Limits of Work

#### Legend

-  Holtby Drain
-  Work Area
-  Parcels
-  City of London Limits



Map Produced by PB  
 Stormwater Engineering  
 Printed: March 2024  
 300 Dufferin Avenue,  
 PO Box 5035  
 London, Ontario  
 N6A 4L9  
[www.London.ca](http://www.London.ca)



**DEFERRED MATTERS**

**CIVIC WORKS COMMITTEE**

**as at March 15, 2024**

<b>File No.</b>	<b>Subject</b>	<b>Request Date</b>	<b>Requested/Expected Reply Date</b>	<b>Person Responsible</b>	<b>Status</b>
1.	<p><b><u>Garbage and Recycling Collection and Next Steps</u></b>                      That, on the recommendation of the Managing Director, Environmental and Engineering Services and City Engineer, with the support of the Director, Environment, Fleet and Solid Waste, the following actions be taken with respect to the garbage and recycling collection and next steps:</p> <p>ii) an Options Report for the introduction of a semi or fully automated garbage collection system including considerations for customers and operational impacts.</p>	January 10, 2017	Q2, 2024	K. Scherr J. Stanford	
2.	<p><b><u>Updates - 60% Waste Diversion Action Plan Including Green Bin Program</u></b>                      d) the Civic Administration BE DIRECTED to:                      i) continue to prioritize work activities and actions that also contribute to the work of the London Community Recovery Network; and,                      ii) submit a report to the Civic Works Committee by June 2021 that outlines advantages, disadvantages, and implementation scenarios for various waste reduction and reuse initiatives, including but not limited to, reducing the container limit, examining the use of clear bags for garbage, mandatory recycling by-laws, reward and incentive systems, and additional user fees.</p>	November 17, 2020	Q2, 2024	K. Scherr J. Stanford	