

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: Round 3

Date: July 16, 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 Nightingale Ave from Dundas Street to Elias Street, in the total amount of \$243,039.50 (including contingency), excluding HST;
 - (ii) Stantec Consulting Limited **BE APPOINTED** consulting engineers to complete the servicing study, and preliminary design of the Chelsea Green area located along Adelaide Street, immediately south of the Thames River, in the total amount of \$301,442.35 (including contingency), excluding HST;
- (b) WT Infrastructure Solutions Inc. **BE APPOINTED** consulting engineers to complete the detailed design and construction administration for the Sewer Renewal Project Package, in the total amount of \$244,601.00 (excluding HST), noting this bid is being reported as an irregular bid per the Procurement of Goods and Services Policy, Section 19.4(b) and (c), only one bid was received for this request for proposal;
- (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; and
- (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

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 \$6,500,000 of capital infrastructure in 2025.

This report recommends the award of engineering consultant appointments for the Infrastructure Renewal Program. Project location maps are attached in Appendix 'B'.

Linkage to the Corporate Strategic Plan

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

- 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
- CWC – April 9, 2024 – Appointment of Consulting Engineers for the Infrastructure Renewal Program
- CWC – June 11, 2024 – Appointment of Consulting Engineers for the Infrastructure Renewal Program: Round 2

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 three engineering assignments. A location map is provided for each project in Appendix 'B.'

Highlights of the projects include:

- Nightingale Avenue, scheduled for 2025 construction, will proactively replace an aging sanitary sewer and upsize the existing watermain;
- Chelsea Green Servicing Study will provide an overall municipal water and sewer servicing strategy, including the separation of 1,166 meters of existing combined sewers; and
- The Sewer Renewal Project Package, scheduled for 2025 construction, combines three smaller sewer renewal projects into one project package for efficient project delivery.

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

Street(s)	Consultant	Design Fee	Construction Administration Fee	Total Fee
Nightingale Ave	Spriet Associates London Limited	\$243,039.50	-	\$243,039.50
Chelsea Green Servicing Study	Stantec Consulting Limited	\$301,442.35	-	\$301,442.35
Sewer Renewal Project Package	WT Infrastructure Solutions Inc	\$161,347.00	\$83,254.00	\$244,601.00

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 Engineering and Infrastructure Service Area 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.

Three firms submitted proposals for the Nightingale Ave and Chelsea Green Servicing Study Request for Proposals. For the Single Sewer Renewal Package, only one firm submitted a proposal. After consultation with the City's Purchasing Department, the decision was made to open the sole proposal.

An evaluation of the proposals was undertaken by the Environment and Infrastructure Service Area including a review of the time allocated to each project task, along with hourly rates provided by each of the consultant's staff members. The submissions were found to be consistent with other project assignments of similar scope. 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., I. Harris

Appendix 'A' – Sources of Financing

Appendix 'B' – Location Maps

Appendix "A"

#24135
 July 16, 2024
 (Appoint Consulting Engineers)

Chair and Members
 Civic Works Committee

RE: Infrastructure Renewal Program: Round 3
 Capital Project EW376523 - Infrastructure Renewal Program - Watermains
 Capital Project ES241423 - Infrastructure Renewal Program - Sanitary Sewers
 Capital Project ES254023 - Infrastructure Renewal Program - Stormwater Sewers and Treatment
 Spriet Associates London Limited - \$243,039.50 (excluding HST) (Subledger WS25C002)
 Stantec Consulting Limited - \$301,422.35 (excluding HST) (Subledger WS25C003)
 WT Infrastructure Solutions Inc. - \$244,601.00 (excluding HST) (Subledger WS25C004)

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
EW376523 - Infrastructure Renewal Program - Watermains				
Engineering	2,974,905	1,591,517	221,626	1,161,762
Construction	17,725,306	17,250,258	0	475,048
Relocate Utilities	1,457	0	0	1,457
City Related Expenses	993	993	0	0
EW376523 Total	20,702,661	18,842,768	221,626	1,638,267
ES241423 - Infrastructure Renewal Program - Sanitary Sewers				
Engineering	2,199,346	1,908,673	290,673	0
Engineering (Utilities Share)	106,054	106,054	0	0
Land Acquisition	5,000	5,000	0	0
Construction	11,288,737	11,288,737	0	0
Construction (Utilities Share)	1,168,347	1,168,347	0	0
City Related Expenses	1,098	1,098	0	0
ES241423 Total	14,768,582	14,477,909	290,673	0
ES254023 - Infrastructure Renewal Program - Stormwater Sewers and Treatment				
Engineering	2,000,000	885,848	290,673	823,479
Construction	11,344,893	10,637,178	0	707,715
City Related Expenses	100,000	1,984	0	98,016
EW376523 Total	13,444,893	11,525,010	290,673	1,629,210
Total Expenditures	\$48,916,136	\$44,845,687	\$802,972	\$3,267,477

Sources of Financing

EW376523 - Infrastructure Renewal Program - Watermains				
Capital Water Rates	12,193,444	12,193,444	0	0
Drawdown from Water Works Renewal Reserve Fund	7,084,217	5,224,324	221,626	1,638,267
Canada Community-Building Fund	1,425,000	1,425,000	0	0
EW376523 Total	20,702,661	18,842,768	221,626	1,638,267
ES241423 - Infrastructure Renewal Program - Sanitary Sewers				
Capital Sewer Rates	8,862,166	8,862,166	0	0
Drawdown from Sewage Works Renewal Reserve Fund	2,382,015	2,091,342	290,673	0
Canada Community-Building Fund	2,250,000	2,250,000	0	0
Other Contributions	1,274,401	1,274,401	0	0
ES241423 Total	14,768,582	14,477,909	290,673	0
ES254023 - Infrastructure Renewal Program - Stormwater Sewers and Treatment				
Capital Sewer Rates	1,242,500	1,242,500	0	0
Drawdown from Sewage Works Renewal Reserve Fund	9,952,393	8,032,510	290,673	1,629,210
Canada Community-Building Fund	2,250,000	2,250,000	0	0
EW376523 Total	13,444,893	11,525,010	290,673	1,629,210
Total Financing	\$48,916,136	\$44,845,687	\$802,972	\$3,267,477

Appendix "A"

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	EW376523	EW376523	EW376523
Financial Note (Total by Project)	Spriet	Stantec	Total
Contract Price	\$97,216	\$120,577	\$217,793
Add: HST @13%	12,638	15,675	28,313
Total Contract Price Including Taxes	109,854	136,252	246,106
Less: HST Rebate	-10,927	-13,553	-24,480
Net Contract Price	\$98,927	\$122,699	\$221,626

	ES241424	ES241424	ES241424	ES241424
Financial Note (Total by Project)	Spriet	Stantec	WT	Total
Contract Price	\$72,912	\$90,433	\$122,301	\$285,646
Add: HST @13%	9,479	11,756	15,899	37,134
Total Contract Price Including Taxes	82,391	102,189	138,200	\$322,780
Less: HST Rebate	-8,195	-10,165	-13,747	-32,107
Net Contract Price	\$74,196	\$92,024	\$124,453	\$290,673

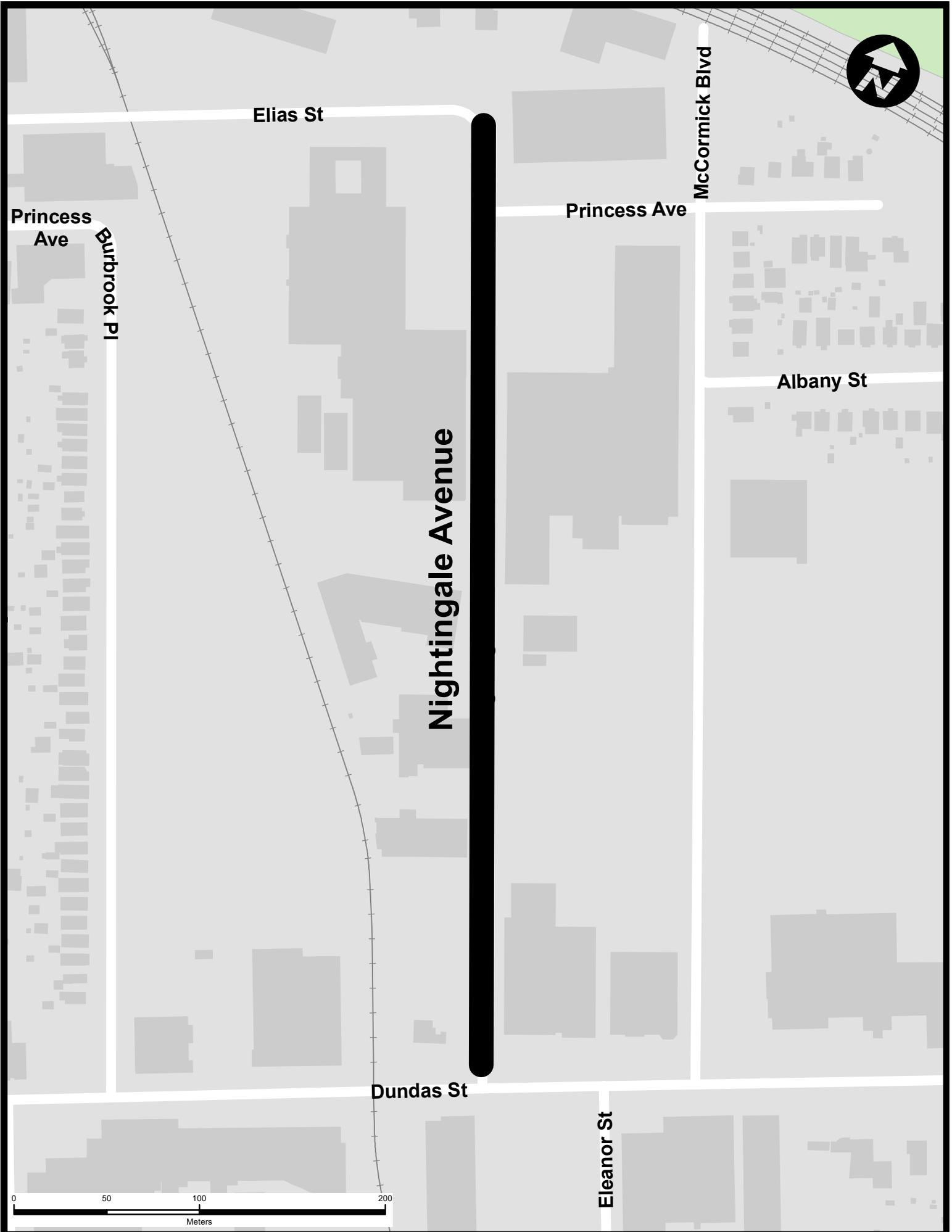
	ES254023	ES254023	ES254023	ES254023
Financial Note (Total by Project)	Spriet	Stantec	WT	Total
Contract Price	\$72,912	\$90,433	\$122,301	\$285,646
Add: HST @13%	9,479	11,756	15,899	37,134
Total Contract Price Including Taxes	82,391	102,189	138,200	\$322,780
Less: HST Rebate	-8,195	-10,165	-13,747	-32,107
Net Contract Price	\$74,196	\$92,024	\$124,453	\$290,673

	Spriet	Stantec	WT	Total
Financial Note (Total by Company)				
Contract Price	\$243,040	\$301,443	\$244,601	\$789,084
Add: HST @13%	31,595	39,188	31,798	102,581
Total Contract Price Including Taxes	274,635	340,631	276,399	\$891,665
Less: HST Rebate	-27,318	-33,882	-27,493	-88,693
Net Contract Price	\$247,317	\$306,749	\$248,906	\$802,972

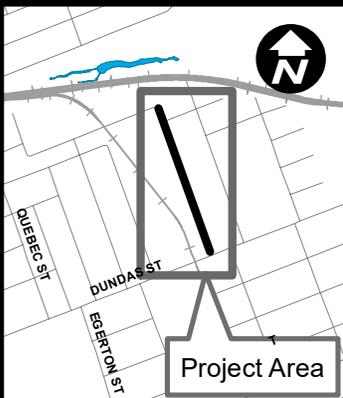
Jason Davies
 Manager of Financial Planning & Policy

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APPENDIX 'B'



LOCATION MAP



2025 Infrastructure Renewal Program
Nightingale Avenue

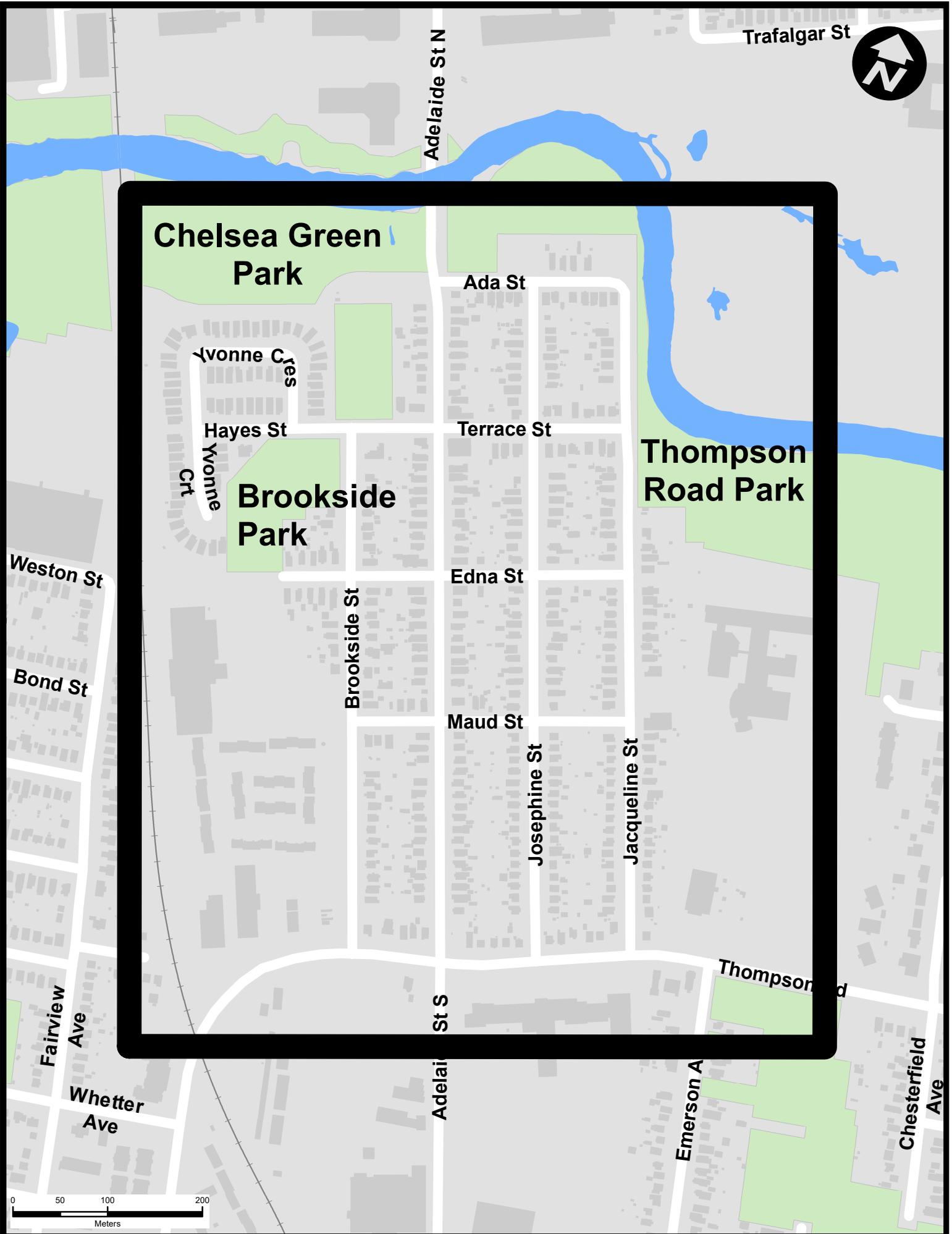
Nightingale Avenue from Dundas Street to Elias Street

Map Produced by
the Sewer
Engineering
Division
June 10, 2024 CM



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 Approximate Project Limits



LOCATION MAP



2025 Infrastructure Renewal Program
Chelsea Green Servicing Study

Approximate Project Limits

Map Produced by
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June 13, 2024 CM

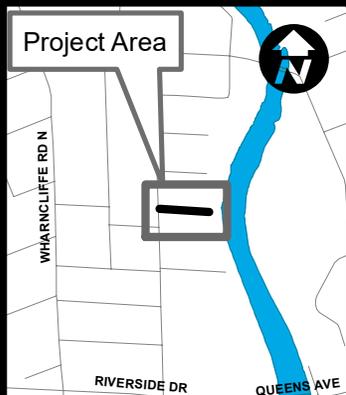


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APPENDIX 'B'



LOCATION MAP



**2025 Infrastructure Renewal Program
Sewer Renewal Package**

Cherry Street from Wilson Avenue to east limit

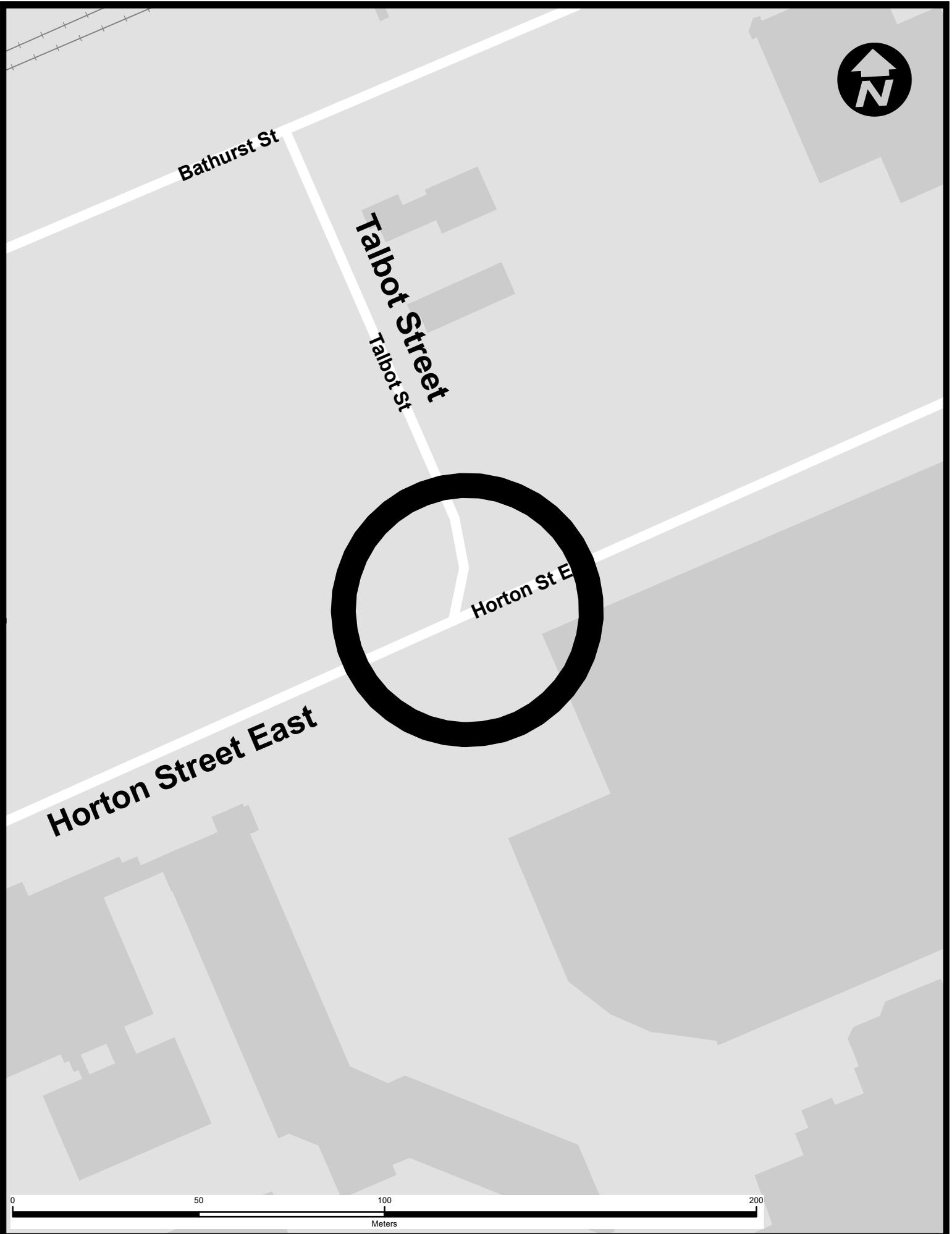
Map Produced by
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 Approximate Project Limits

APPENDIX 'B'



LOCATION MAP



**2025 Infrastructure Renewal Program
Sewer Renewal Package**
Horton Street East at Talbot Street

Map Produced by
the Sewer
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Division
June 13, 2024 CM



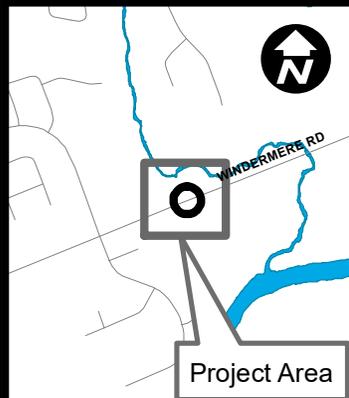
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 Approximate Project Limits

APPENDIX 'B'



LOCATION MAP



**2025 Infrastructure Renewal Program
Sewer Renewal Package**

Windemere Road approximately 250m east of Doon Drive

 Approximate Project Limits

Map Produced by
the Sewer
Engineering
Division
June 13, 2024 CM



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