

**Subject: Quaille Municipal Drain – Report Findings and Recommendations and Appointment of Engineer for Supplemental Study and Report**

**File Number: ACS2024-IWS-WL-0007**

**Report to Agriculture and Rural Affairs Committee on 4 July 2024**

**and Council 10 July 2024**

**Submitted on May 17, 2024 by Marilyn Journeaux, Director, Water Linear and Customer Services, Infrastructure and Water Services**

**Contact Person: Dave Ryan, Drainage Superintendent, Infrastructure and Water Services**

**613-580-2424, 25106, David.Ryan@ottawa.ca**

**Ward: Osgoode (20)**

**Objet: Quaille drain municipal – Conclusions et recommandations du rapport, et nomination d'un ingénieur pour effectuer une étude supplémentaire et préparer un rapport complémentaire**

**Dossier: ACS2024-IWS-WL-0007**

**Rapport au Comité de l'agriculture et des affaires rurales**

**le 4 juillet 2024**

**et au Conseil le 10 juillet 2024**

**Soumis le 17 mai 2024 par Marilyn Journeaux, directrice, Services linéaires d'eau et à la clientèle, Direction générale des services d'infrastructure et d'eau**

**Personne ressource: Dave Ryan, directeur des installations de drainage, Services d'infrastructure et d'eau**

**613-580-2424, 25106, David.Ryan@ottawa.ca**

**Quartier: Osgoode (20)**

## **REPORT RECOMMENDATIONS**

**That the Agriculture and Rural Affairs Committee recommend that Council:**

- 1) Receive the memo regarding the Quinn Branch of the Quaile Municipal Drain under Section 65 of the *Drainage Act* for information.
- 2) Appoint Mr. Andy Robinson, P. Eng., of Robinson Consultants Inc. under Section 78 of the *Drainage Act* to prepare a new report to accommodate the land use and drainage boundary changes within the existing Quaile Municipal Drain drainage area.

## RECOMMANDATIONS DU RAPPORT

Que le Comité de l'agriculture et des affaires rurales recommande au Conseil de :

- 1) prendre connaissance de la note de service concernant le drain secondaire Quinn du drain municipal de Quaile en vertu de l'article 65 de la *Loi sur le drainage*;
- 2) nommer M. Andy Robinson, ing., de la firme Robinson Consultants inc., en vertu de l'article 78 de la *Loi sur le drainage*, pour rédiger un nouveau rapport tenant compte des changements relatifs à l'utilisation du sol et aux limites territoriales dans le secteur du drain municipal de Quaile.

## BACKGROUND

On July 12, 2023, Council approved a staff report ([ACS2023-IWS-WL-0003](#)) which recommended Robinson Consultants Inc. be appointed as drainage engineer to prepare a report under Section 65 of the [Drainage Act](#) to address the proposed the connection of an existing quarry (1653 Sale Barn Road) to the Quinn Branch of the Quaile Municipal Drain.

Andy Robinson, P. Eng. of Robinson Consultants Inc., provided a memo dated April 4, 2024 (Document 2) summarizing the findings of his initial review. It is his determination that the Quinn Branch of the Quaile Municipal Drain no longer provides sufficient outlet. As such, preparing a report under Section 65 does not meet the requirements of the Drainage Act as it relates to the proposed connection. Mr. Robinson recommends that this project be modified to allow for the appointment of an engineer for the preparation of a report under Section 78 of the Drainage Act to allow for the anticipated modification and improvements to the existing Quaile Municipal Drain.

The Quaile Municipal Drain and its various branches are located in Osgoode Ward southeast of the village of Greely near the intersection of Sale Barn Rd. and Parkway Rd. The Quaile Municipal Drain was first constructed in 1982, under a report by A.J.

Graham Engineering Consultants Ltd, by the former Township of Osgoode (now Osgoode Ward).

## **DISCUSSION**

Staff are recommending that Council appoint an engineer to prepare a report under Section 78 of the *Drainage Act* and appoint Andy Robinson, P.Eng. of Robinson Consultants Inc., as the engineer of record as he has over 40 years experience with similar *Drainage Act* projects, a specialized field of engineering in Ontario.

It is the recommendation of the Council-appointed drainage engineer that an engineer's report prepared under Section 65 of the *Drainage Act* would not be suitable for the following reasons:

- There are several additional areas (aside from the Quarry) of modified land use.
- The review of the current drainage area boundary indicates that it does not conform to or has been modified from the governing engineer's report.
- The provided Environmental Compliance Approval Application information for the Quarry property suggests a further anticipated increase in flows from runoff and/or pumping from the Quarry location.

The preparation of an updated engineer's report under Section 78 of the *Drainage Act* for the Quail Municipal Drain would allow the above noted concerns to be addressed.

The *Drainage Act* prescribes the process and timelines to be followed for any modification or construction of a municipal drain however this timing is directly tied to related legislative requirements.

This report places the request for the preparation of a Section 78 engineers report before the Agriculture and Rural Affairs Committee and Council as required under Section 5 of the *Drainage Act*.

## **RURAL IMPLICATIONS**

The existing lands and roads will benefit from this undertaking through improved drainage, storm water management, watercourse management reduced risk of flooding and the provision of a legal and sufficient outlet.

## **CONSULTATION**

Consultation with the Ward Councillor and City staff is ongoing.

**COMMENTS BY THE WARD COUNCILLORS**

The Councillor is aware of this report.

**LEGAL IMPLICATIONS**

There are no legal impediments to Committee and Council's approval of the recommendation of this report.

**RISK MANAGEMENT IMPLICATIONS**

There are no risk implications associated with this report.

**ASSET MANAGEMENT IMPLICATIONS**

There are no asset management implications associated with this report.

**FINANCIAL IMPLICATIONS**

The report has no tax or budget implications. All costs associated with the engineer's report will be initially paid by the Water Services Branch of the Infrastructure and Water Services Department but eventually recovered from the owners of land within the watershed of the municipal drain as determined by the Drainage Engineer. The estimated cost of the report is \$75,000. Funding is available in capital internal order 910905 Municipal Drains Improvements for the cost of the engineer's report. All necessary funding will be transferred from internal order 910905 to internal order 911151.

**ACCESSIBILITY IMPACTS**

There are no accessibility impacts associated with this report.

**ENVIRONMENTAL IMPLICATIONS**

Any proposed works will require compliance with City, provincial and federal policies, standards, regulations, and legislation.

**TERM OF COUNCIL PRIORITIES**

The recommendations of this report align with the current Strategic Priority as part of the sustainable environmental services strategic priority by supporting an environmentally sustainable Ottawa.

**SUPPORTING DOCUMENTATION**

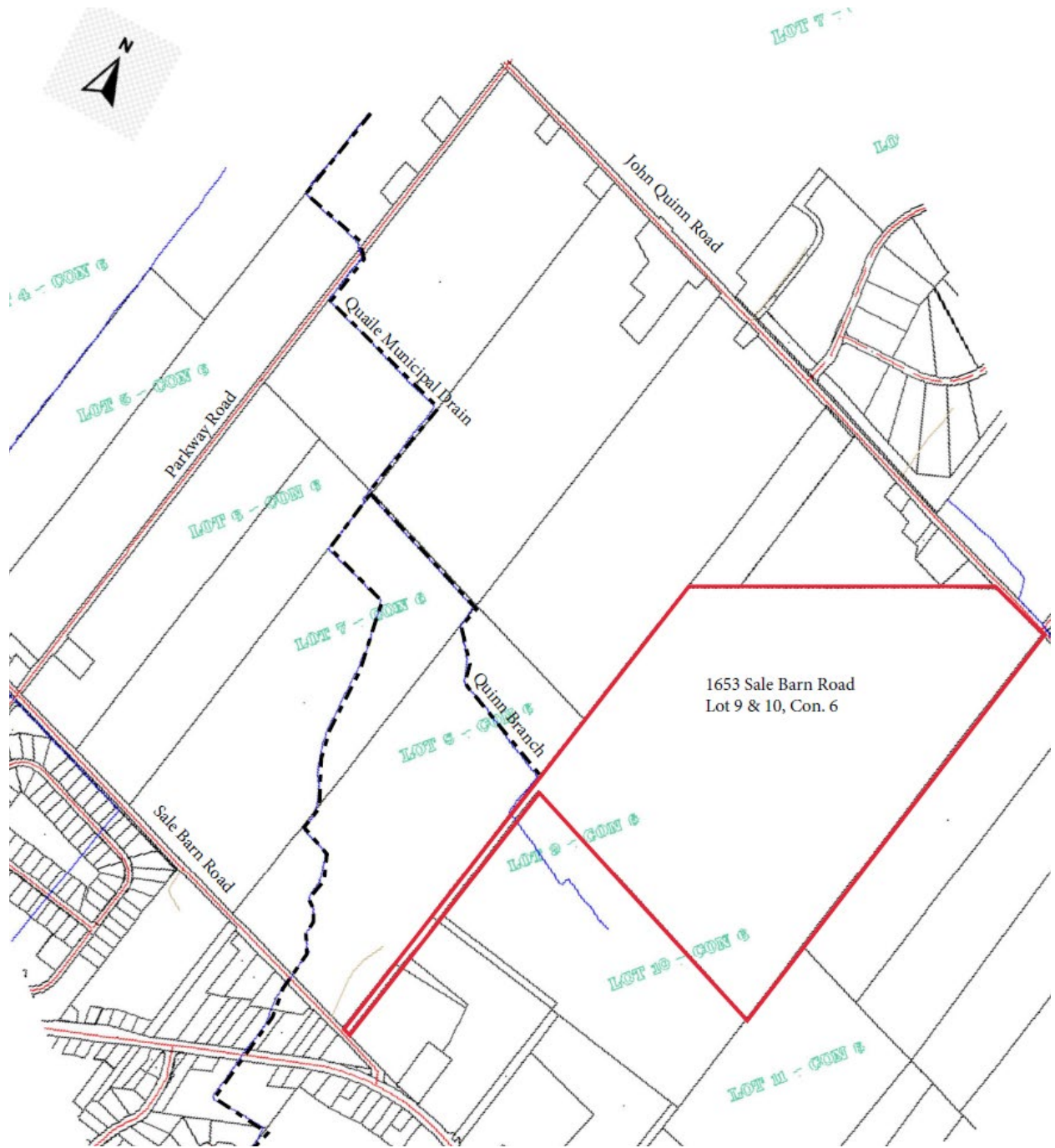
Document 1 Location Map

Document 2 Robinson Consultants Inc. memo dated April 4, 2024

**DISPOSITION**

The Drainage Superintendent shall notify all affected landowners and the local conservation authority of the decision of Council. Once this report is approved by Council, a separate new internal order will be created for this specific drain and all necessary funding will be transferred to it from internal order 910905.

Document 1 – Location Map



**Document 2 – Memo from Robinson Consultants Inc. dated April 4, 2024**



April 4, 2024

City of Ottawa  
P.O. Box 310  
2155 Roger Stevens Drive  
North Gower, ON K0A 2T0

**Attention:** Mr. Dave Ryan, P.Geo.  
Manager, Municipal Drainage

**Reference:** Engineer's Report S65 -  
Quaile Municipal Drain – Quinn Branch  
City of Ottawa, Our Project No. 23046

In conjunction with the duties of the Engineer for the above noted Report, we have completed an initial review of background information including an overall review of the drainage area and general land use changes since the current/governing report was completed. Additionally, a survey was completed of the Quinn Branch and the outlet portion of the Quaile Drain. In general, our initial findings indicate the following:

- There are several additional areas (aside from the Quarry) of modified land use (and anticipated increased runoff).
- There are several areas where our review of the current Drainage Area Boundary indicates that it does not conform to or has been modified from the governing Report.
- Our review of the provided ECA Application information for the Quarry property suggests a further anticipated increase in flows from runoff and/or pumping from the Quarry location.

On this basis, it is anticipated that a full review will indicate that there are capacity issues within this system which, will restrict the ability to accommodate the use of S.65 of the Drainage Act, R.S.O. 1990, c. D.17. (Act).

As such, it is our determination that the Quinn Branch and the affected portion of the Quaile Drain will no longer provide "sufficient outlet" as required under the Act and ultimately that the S.65 requirements may not be accommodated. As such, it is our recommendation that the Appointment of the Engineer for this project be modified to accommodate S.78 of the Act to allow for the anticipated required modification and improvements. Please advise with your direction in this regard.

Yours very truly,

ROBINSON CONSULTANTS INC.

A.J. Robinson, P.Eng.  
Drainage Engineer

Lorne Franklin, L.E.T., C.E.T., rcca, CISEC  
Licensed Engineering Technologist  
Drainage Services

DD: LF