



OPERATIONS COMMITTEE

Monday, January 9, 2023 – 1:00 p.m.

County of Renfrew Administration Building

AGENDA

1. Call to order.
2. Land acknowledgement.
3. Roll call.
4. Disclosure of pecuniary interest and general nature thereof.
5. Minutes of previous meeting held on October 11, 2022 (attached) approved by Warden and Chief Administrative Officer/Clerk.
6. Delegations: None at time of mailing.
7. Public Works and Engineering Department Page
 - a) Department Report 2
 - b) Infrastructure Division Report 58
 - c) Operations Division Report 97
8. New Business.
9. Closed Meeting: None at time of mailing.
10. Date of next meeting (Tuesday, February 14, 2023) and adjournment.

NOTE:

- a) County Council Strategic Planning: Monday, January 16, 2023 – 9:00 a.m.
- b) **County Council: Wednesday, January 25, 2023.**
- c) Submissions received from the public, either orally or in writing may become part of the public record.

COUNTY OF RENFREW

PUBLIC WORKS AND ENGINEERING DEPARTMENT REPORT

TO: Operations Committee
FROM: Lee Perkins, C.E.T., MBA, Director of Public Works and Engineering
DATE: January 9, 2023
SUBJECT: Department Report

INFORMATION

1. Public Works and Engineering Department Overview

Attached as Appendix I is an overview of the priorities for the Public Works and Engineering Department that Director Mr. Lee Perkins will review with Committee at the meeting.

2. Appointment to Canadian Public Works Association Board of Directors

Attached as Appendix II is a letter from American Public Works President, Keith Pugh, PE, PWLF and Mike Walker President of the Canadian Public Works Association of Canada appointing Mr. Perkins, Director of Public Works and Engineering to a term position of the Canadian Public Works Association (CPWA) Board of Directors. The purpose of the CPWA Board of Directors is to serve as the “voice of public works in Canada” by focusing on public policy at the federal government level. Also attached as Appendix III is a letter from American Public Works Association (APWA) President thanking the County of Renfrew for its support of the Director of Public Works and Engineering for his involvement with the APWA/CPWA.

The APWA and its subsidiary the CPWA serves professionals in all aspects of public works—a fact that sets it apart from other organizations and makes it an effective voice of public works throughout North America. With a worldwide membership more than 30,000 strong, APWA/CPWA includes not only personnel from local, county, state/province, and federal agencies, but also private sector personnel who supply products and services to those professionals.

As a comprehensive public works resource, APWA/CPWA continues in its rich tradition of making a difference both on an individual and professional level. APWA/CPWA is a not-for-profit organization that prides itself on its ability to provide varied educational and networking opportunities that help public works personnel grow in their professionalism and improve the quality of life in the communities they serve.

3. Decorative Crosswalk

Attached as Appendix IV is a resolution from the Town of Petawawa endorsing the placement of a decorative crosswalk within the Town of Petawawa at the intersection of County Road 51 (Petawawa Boulevard), Portage Road and County Road 16 (Victoria Street) in accordance with County of Renfrew Corporate Policy PW-18 Decorative Crosswalks on County Roads (attached as Appendix V). Staff will consult with the proponent regarding the cost and maintenance of the crosswalk. The intention is to have a decorative crosswalk installed in 2023.

4. Tourism-Oriented Directional Signing

In October 2020, County Council approved by Resolution No. OP-CC-20-10-63 the waiving of the Tourism Signage fees on County Roads for the remainder of 2020 and for 2021 and to have these fees reinstated in 2022. In March 2022, County Council approved by Resolution No. OP-CC-22-03-32 to extend the waiving of fees for 2022 and have them reinstated in 2023.

The decision to waive the fees was made as many tourism operators were having financial difficulties due to the COVID-19 pandemic. By placing a moratorium on the fees this would help reduce fiduciary concerns for these operators.

As we emerge from the pandemic and are starting to witness an increase in tourism travel and recovery of the industry, this fee will be charged to those with signage starting January 1, 2023.

5. 2023 Operation Committee Meeting Locations

In years past, the Operations Committee has convened meetings in the local municipalities for up to two of its regular meetings each year. The objective has been to enable the staff and local municipal Council(s) to meet with the Operations Committee to discuss any matters of common interest or concern.

Should the Committee wish to continue with the meetings at local municipalities in 2023, staff is requesting that your municipality contact Mr. Lee Perkins and, pending confirmation, staff will make the necessary arrangements with your municipality.

RESOLUTIONS

6. Snowmobile Trail – County Road 58 (Round Lake Road)

Recommendation: THAT the Operations Committee directs the Public Works and Engineering Department to research and develop a policy for snowmobile trails along County Road rights-of-way.

Background

Attached as Appendix VI is an e-mail request from Terry Vaudry, District Manager of Snow Country Snowmobile Region – Ontario Federation of Snowmobile Clubs (OFSC) District 6 requesting a re-route of the snowmobile trail along County Road 58 (Round Lake Road) due to issues with the Ministry of Transportation removing all snowmobile trails within their right-of-way (ROW). Currently, within the County of Renfrew there are several areas where the snowmobile trail is within the ROW of a County Road. With snowmobile routes on County Road 58 (Round Lake Road) being an important connection to the local hotels and fueling station, staff have no issues with completing the standard agreement with the snowmobile club for the upcoming season. As there is no policy in place for the use of snowmobile trails along County Road rights-of-way, staff are seeking direction from Committee to research and develop a policy for discussion at a future meeting.

7. Speed Study for County Roads 2 (White Lake Road) and 23 (Highland Road)

Recommendation: THAT the Operations Committee recommends to County Council that no adjustment in speed is required at this time for County Road 2 (White Lake Road) or County Road 23 (Highland Road).

Background

In August 2022, two requests, which are attached as Appendix VII, were received from the Township of McNab/Braeside. One for a speed reduction along County Road 2 (White Lake Road) between Robertson Line and Kippen Road and a second request for a traffic study be completed for County Road 2 (White Lake Road) and County Road 23 (Highland Road).

The County of Renfrew believes that a roadway network performs most efficiently and effectively when the roads comprising that network are designed, built and operated to serve their intended purposes. Therefore, the County of Renfrew adopts a hierarchical system of roadway classification which shall apply to all roadways in the County Road system. Roads are defined according to the surrounding environment (rural or urban) and one of the following functions/categories:

- Major Arterial
- Minor Arterial
- Major Collector
- Minor Collector
- Local
- Lane/Seasonal

For reference Corporate Policy PW-01 Roadway Classification System is attached as Appendix VIII.

Both County Road 2 and County Road 23 are classified as Arterial Roads with several exceptions as noted on Appendix IX. Within the Waba community, speed is reduced to 50 km/h with a Community Safety Zone where speed fines are doubled. As well there is a 60km/h section on County Road 2 west of County Road 45 (Russett Drive) and Bev Shaw Parkway intersection for 3.3 kilometres.

From the speed study for County Road 2 (White Lake Road), which is attached as Appendix X, 28.2% of vehicles are travelling over the posted speed limit of 80 km/h. The results for County Road 23 (Highland Road) shows 15% are in excess of the speed limit.

Staff will continue to monitor and share the results with the Ontario Provincial Police.

8. County Road 2 (Daniel Street South) – Cost Sharing Request for Intersection Realignment at Edey Street/Galvin Street

Recommendation: THAT the Operations Committee directs staff to develop a funding Business Case for improvements at the intersection of County Road 2 (Daniel Street South) with Edey Street and Galvin Street and bring forward a report to the February meeting of Operations Committee, where it be included as part of the discussions regarding the 2023 budget.

Background

In December of 2020, the Town of Arnprior submitted a written request to the County that the County participate in and financially contribute to a project along County Road 2 (Daniel Street South) to realign the intersection with Edey Street and Galvin Street. This request, and past similar requests, triggered discussion on how the County may fund projects in response to growth along County infrastructure. The current Asset Management Plan does not take growth into consideration as it is laid out in order to maintain the County's current assets to similar geometry and does not allocate funds for expansion, twinning, or widening of assets as a result of growth in local municipalities. As such, the request at the time did not proceed; however, a traffic median was installed per requirements of the County with an ongoing development on Galvin Street as a measure to restrict left turns on to Galvin Street from Daniel Street South.

Since that time, the Town of Arnprior retained the services of a Design Consultant to proceed with the design for the realignment of the intersection and nearly attained all necessary property for the realignment. County staff have been included in design meetings to ensure that it meets the requirements of the County; however, thus far no additional contribution or budgetary allocation by the County to the project has been approved.

As the design is near completion, and the project is anticipated to be ready for construction in 2023, the Town of Arnprior has submitted the letter included as Appendix XI requesting that the County contribute to the project. Included with the letter is a construction cost estimate, broken down by Town and County responsibility. The breakdown of cost responsibility is based generally on that shown below, which has been utilized on past cost shared projects such as County Road 52 (Raglan Street South) with the Town of Renfrew, and formed the basis of draft cost share considerations with the design currently undertaken with the Town of Petawawa for urbanization of County Road 37 (Murphy Road), from County Road 51 (Petawawa Boulevard) to County Road 26 (Doran Road).

1. The County shall be responsible for:
 - i) The construction of an urban cross-section up to the minimum "Geometric Design Standards for Undivided Urban Roads in Ontario" (i.e., two driving and one parking lane), but in no case less than the centre 7.0 m of any County road in an urban area.
 - ii) The construction of curbs and gutters.

- iii) The construction of the paved boulevard between curb and sidewalk to a maximum of 0.5 m width.
 - iv) The construction of catchbasins and the portion of storm sewers required to drain the County road. (In no case will the County drain land more than 25 m from the centreline of the road.)
 - v) The construction of a full rural section within any urban area.
 - vi) The remaining costs of those works covered by Section 5, requested by the local municipality, and deemed feasible and economical by the Director of Public Works and Engineering, or designate.
2. Land acquisition when land is required to accommodate the road section specified in 1i) shall be the responsibility of the County.
 3. The County shall be responsible for utility relocation costs as outlined in the Public Service Works on Highways Act, R.S.O. 1990, c. P.49, as amended.
 4. The local municipality shall be responsible for:
 - i) 100% of the construction of all sidewalks (Section 55 of the Municipal Act, 2001, as amended).
 - ii) The construction of that portion of storm sewers over and above that required for County road drainage, based on the following:

$$\text{Local share \%} = 100\% \text{ less County's Share \%}$$

$$\text{County Share} = \frac{\text{Theoretical pipe diameter to accommodate CRD*}}{\text{Actual pipe diameter to accommodate full drainage area}} \times 100\%$$

*CRD – County Road Drainage

- iii) 100% of the cost of all local services, such as water or sanitary sewerage works.
- iv) 100% of that portion of the paved boulevard between curb and sidewalk beyond 0.5 m.
- v) Land acquisition when required to accommodate road elements beyond that specified in Section 1).
- vi) 50% of the construction of additional parking lanes.
- vii) 100% of the construction of paved shoulders whether behind curbs and/or gutters or not.
- viii) Engineering in proportion with the cost of its share of the project.
- ix) There will be a 7% administration charge on County “in-house” (but not contracted) work.

5. The County shall enter into an agreement for any proposed reconstruction (under the auspices of Section 20(1) of the Municipal Act, 2001, as amended). Costs shall be borne according to this policy.

The current proposed 2023 budget does not include funds to contribute to this project. However, it is recommended that staff review this request and develop a Business Case balancing the benefits and restrictions of the County contributing to the project to be presented to Operations Committee in February.

9. **Infrastructure Division**

Attached as Appendix XII is the Infrastructure Division Report, prepared by Mr. Taylor Hanrath, Manager of Infrastructure, providing an update on activities.

10. **Operations Division**

Attached as Appendix XIII is the Operations Division Report, prepared by Mr. Richard Bolduc, Manager of Operations, providing an update on activities.

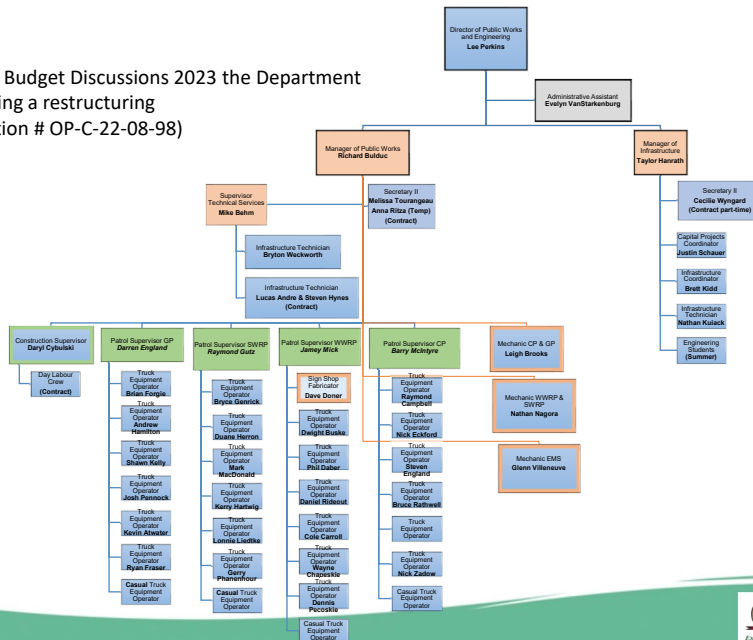


County of Renfrew Public Works and Engineering Department Overview



Public Works and Engineering Organizational Chart

*During Budget Discussions 2023 the Department is planning a restructuring (Resolution # OP-C-22-08-98)



Priority Issues for Operations Committee



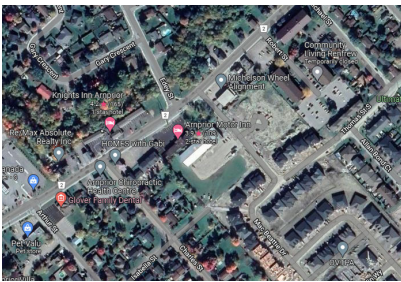
Bridge Policy Review

The Operations Committee in October 2022 requested staff to review and return with a revised Bridge Policy. After review it was noted a number of bridges and culverts do not meet the County's criteria for a 3 metre span or an Average Daily Traffic Count of 100 vehicles per day. A revised policy for Committee's review will be provided at a later date. (Resolution # - OP-C-22-09-105)



Road Rationalization Review

In October 2022, the Operations Committee requested staff to review and return with a revised Road Rationalization Policy following a request from McNab/Braeside to upload a road (Campbell Drive) was evaluated and presented to Committee. The County currently uses the Ontario Good Roads Association Road Rationalization guidelines to evaluate these requests. The assumption of Campbell Drive had serious consequences to the County's Asset Management Plan as the roadway requires significant works, to attain the Council approved PCI of 70.
(Resolution # OP-C-22-10-112)



Growth Infrastructure Funding

Late in 2020 a request to contribute to an intersection in Arnprior was received, due to an infill development of the old fairgrounds the intersection of County Road 2 (Daniel Street South), Edey Street and Galvin Street requires significant improvements for traffic safety.

Committee rejected the offer to contribute to this intersection. This began a discussion on how the County of Renfrew funds expansion of its assets. Currently, the County has engaged the consulting firm of Watson & Associates Economists Ltd. to provide Committee and Council with a report on the implementation of Development Charges.

(Resolution # FA-CC-22-06-65)







AMERICAN PUBLIC WORKS ASSOCIATION

www.apwa.net

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Kansas City, MO 64105-2100
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fax 816-472-161025 Massachusetts Avenue, NW
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December 14, 2022

Mr. Lee Perkins, CET, MBA, CPWP-M

Dear Lee:

As President, I am privileged to work closely with all the APWA leadership, including Board members, committee chairs and other national and chapter volunteers. It is critical we identify engaged individuals who are willing to take on these roles in an energetic, effective and positive manner. During these unprecedented times, it is important we have volunteers like yourself who can inspire innovative ideas and subject matter expertise. I believe you are one of those people and I hope you choose to accept this offer by serving on the CPWA Board of Directors to fill a vacancy left as a result of a resignation. If you accept, your appointment will begin December 19, 2022 and conclude August 30, 2023. Since it is less than a year, it will not be considered a term and you will be eligible to nominate yourself for appointment to your first official term.

APWA committees are critical in providing quality services for our members. The purpose of the CPWA Board of Directors is to serve as the “voice of public works in Canada” by focusing on public policy at the federal government level. You have been selected for this committee appointment because of your recognized expertise in the subject matter area(s) assigned to the CPWA Board of Directors.

The CPWA Board of Directors meets monthly by conference call and twice per year in person, once at PWX and once in the spring. While you must cover your own travel expenses for the meeting at PWX, APWA will reimburse travel for the Spring Meeting. It is important that you attend in-person meetings.

Please e-mail the enclosed acceptance form to APWA by December 19, indicating your willingness to serve. Staff can send a thank you letter to your employer for allowing you the time and opportunity to serve on this voluntary committee. If you would like this “thank you” correspondence forwarded to your employer, please indicate on the enclosed sheet with the name, address and email of the person to whom we should direct our correspondence.

PRESIDENT
B. Keith Pugh, P.E., PWLFCHIEF EXECUTIVE OFFICER
Scott D. Grayson, CAE



AMERICAN PUBLIC WORKS ASSOCIATION

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Public Works Resource

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On behalf of the APWA Board of Directors, I would like to thank you for your continued dedication and support of APWA. I am looking forward to working with you during the remainder of the year and excited about the future of our association. If you have any questions about this appointment, please contact Scott Grayson via e-mail at sgrayson@apwa.net or by telephone at (816) 595-5209.

Warm regards,

Keith Pugh, PE, PWLF
APWA President 2022-2023

Mike Walker
CPWA President 2022-2023

Copies: Sean O'Dell, Region 5 Director
Don Kudo, Ontario Chapter President
Ed Dujlovic, Ontario Chapter Delegate

PRESIDENT
B. Keith Pugh, P.E., PWLF

CHIEF EXECUTIVE OFFICER
Scott D. Grayson, CAE



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December 15, 2022

Mr. Craig Kelley, CMO, Dipl M.A., Dipl M.M., Ec. D.
Chief Administrative Officer
County of Renfrew
9 International Drive
Pembroke, Ontario, Canada K8A 6W5
ckelley@countyofrenfrew.on.ca

Dear CAO Kelley:

On behalf of the American Public Works Association (APWA) Board of Directors, I want to thank you for your support of Lee Perkins, serving APWA through a volunteer leadership position on the Canadian Public Works Association (CPWA) Board of Directors, to fill the remaining months of a term open due to a resignation. Because the term expires in August 2023 and is less than one year, it will not be considered as part of the potential three, two-years terms Lee could serve on the board.

APWA committees are critical in providing quality services for our members. Through our volunteer leadership, APWA is able to fulfill its mission to "support those who operate, improve and maintain public works and infrastructure through advocacy, education and member engagement." With the challenges we face in our communities and Nation, your support will provide invaluable resources for advancing quality of life for all. Having served on these national committees myself, I know that all communities ultimately benefit from the contributions of our volunteer leaders. Make sure you ask Lee to keep you updated on the CPWA Board of Directors work being done!

Thank you again for your support. If you have any questions, please contact APWA CEO Scott Grayson, at (800) 848-APWA, ext. 5209 or sgrayson@apwa.net.

Warm regards,

A handwritten signature in blue ink, appearing to read "BK Pugh". The signature is stylized and written in a cursive-like font.

Keith Pugh, PE, PWLF
APWA President 2022-2023

Copy: Lee Perkins

PRESIDENT
B. Keith Pugh, P.E., PWLF

CHIEF EXECUTIVE OFFICER
Scott D. Grayson, CAE



TOWN OF PETAWAWA

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December 9, 2022

Lee Perkins, Director of Public Works & Engineering
County of Renfrew
9 International Drive
Pembroke, ON K8A 6W5

Dear Mr. Perkins:

RE: Decorative Crosswalk

Please be advised that the following resolution was passed at the meeting of Council held December 5, 2022:

Resolution #7

Moved by Theresa Sabourin

Seconded by James Carmody

That Council of the Corporation of the Town of Petawawa endorses the placement of a decorative crosswalk within the Town of Petawawa at the proposed location on the north side, in the east west direction on County Road 51 (Petawawa Boulevard), Portage Road and County Road 16 (Victoria Street) intersection during the 2023 season; and that the County of Renfrew's Decorative Crosswalks on County Roads Policy PW-18 shall govern the installation and maintenance of said decorative crosswalk.

CARRIED

I trust this is satisfactory. Please contact me should you have any questions or concerns arising from the foregoing.

Sincerely,

A handwritten signature in black ink, appearing to read "Colin Howard".

Colin Howard, Dipl.Bus.Admin, Dipl.M.M
Clerk

Corporate Policies & Procedures			
SECTION: Operations	AUTHOR: Director of Public Works and Engineering		POLICY #: PW-18
POLICY: Decorative Crosswalks on County Roads			APPROVED:
DATE: October 2022	REV. DATE:	COVERAGE: Public Works and Engineering Department	PAGE #: Page 1 of 8

POLICY STATEMENT

The County of Renfrew, as a road authority, has a need to ensure that pedestrian crosswalks on County Roads are in compliance with the requirements of the Ontario Traffic Manual (OTM) and Highway Traffic Act (HTA) and is consistent with the Department's primary objective of providing and maintaining a safe road system. This Decorative Crosswalk Policy is to support and facilitate the installation of decorative crosswalks in the County of Renfrew, with the endorsement and participation of the local municipality.

BACKGROUND

The County of Renfrew, as the road authority having jurisdiction over County Roads, may make and enforce by-laws and policies pertaining to those items that may be placed within the road allowance.

1. The Municipal Act, S.O. 2001 (s.11), as amended, permits a municipality to pass by-laws pertaining to the public assets of the Municipality for the purpose of exercising its authority under the Act, and to pass by-laws pertaining to highways.
2. The County of Renfrew, as well as local municipalities, has an extensive network of roads that are, travelled at a high rate of speed, often with a high volume of traffic, and must be able to do so safely.

DEFINITIONS

For the purposes of this policy the following definitions shall apply:

“Highway” has the same meaning as provided in the Municipal Act, S.O. 2001, (s.11), as amended, and pertains only to those highways that fall under the control and jurisdiction of the County of Renfrew.

Corporate Policies & Procedures			
SECTION: Operations	AUTHOR: Director of Public Works and Engineering		POLICY #: PW-18
POLICY: Decorative Crosswalks on County Roads			APPROVED:
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“Road Allowance” means the land occupied by the highway.

“Crosswalks” are an integral component of the transportation network that distinctly indicates safe roadway crossing locations for pedestrians by means of lines or other markings on the surface of the roadway. Vehicle traffic is controlled at crosswalks with stop signs, pedestrian crossovers (PXO’s), and partial or full traffic signals. Crosswalks exist at intersections or between intersections (mid-block) on all road classification types throughout the County of Renfrew.

GUIDELINES

The size and colour of crosswalk pavement markings is governed by the Ontario Traffic Manual (OTM). The transverse lines, which are lines that run perpendicular to the roadway and establish the boundaries of the crosswalk, must be white and extend the entire length of the crosswalk. Ladder (also referred to as zebra) markings are suggested for crosswalks where higher visibility is desired. The longitudinal lines (rungs of the ladder) are also normally white; however, the OTM does not specify that they must be white.

The Highway Traffic Act (HTA), specifically Ontario Regulation 402/15: Pedestrian Crossover Signs, requires that PXO’s include ladder pavement markings and that the longitudinal lines (rungs) are to the width and spacing as specified. Like OTM, the colour of the rungs are not mandated to be white.

The OTM does state that textured or coloured crosswalks should be “applied to increase the conspicuity of a pedestrian crossings and increase driver’s awareness of potential conflicts”. It goes on to state that the “materials should be designed to maintain visibility at night”.

Decorative crosswalks are typically understood to be crosswalks that include elements (colour, design, imagery, texture and/or material) that are considered aesthetic enhancements above and beyond standard crosswalk treatments.

Corporate Policies & Procedures			
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Crosswalks must always include two white transverse lines, and except for PXO's, the pavement marking treatment in between the transverse lines is not restricted. Therefore, decorative elements (artwork) can be legally applied to the road surface if they are 'framed' by the white transverse lines and the edge of the roadway (normally being curbs). However, it is implied that the design of the treatment would not negatively impact the safety of road users, visually or otherwise.

1.0 REQUESTS

The County of Renfrew may permit the installation of a decorative crosswalk on County Roads, subject to the following terms and conditions:

1. Requests for the installation of the decorative crosswalk shall be submitted in writing to the County by the local proponent in the municipality in which the crosswalk is requested.
2. Upon receipt of a request from the proponent the County will request endorsement from the local municipality for the installation of a decorative crosswalk that has been requested. The County of Renfrew shall meet with staff from the municipality and review the location to determine its suitability for the requested decorative crosswalk.
3. The proponent requesting the decorative crosswalk shall be responsible for one hundred percent (100%) of all costs associated with the initial installation of the decorative crosswalk. The proponent shall be responsible for one hundred percent (100%) of maintenance costs as well as one hundred percent (100%) of the yearly repainting costs. If the proponent does not agree to the terms of the agreement to re-establish, the cost to remove the decorative crosswalk will be assessed and billed to the proponent.

Corporate Policies & Procedures			
SECTION: Operations	AUTHOR: Director of Public Works and Engineering		POLICY #: PW-18
POLICY: Decorative Crosswalks on County Roads			APPROVED:
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2.0 PERMITTED LOCATIONS

Selecting a location for the installation of decorative crosswalks is important to ensure that they are appropriate, sustainable and safe. The primary consideration in approving a decorative crosswalk location is the safety of pedestrians, cyclists and motorists. Where safety may be negatively impacted, a decorative crosswalk will not be permitted to be installed. Decorative crosswalks should be avoided, without special consideration and permission, across roadways that have high volumes of traffic and/or a high percentage of truck traffic. On arterial roadways, maintenance is cost prohibitive given the amount of tire wear and marks from large trucks.

Decorative crosswalks can be installed on collector and local classified roadways. This includes collector and local roadways that intersect with, or immediately parallel to, major/minor arterial roadways permitting that the crosswalk is located on the secondary leg(s) of the intersection.

It is important that the roadways are in acceptable condition. The installation location surface must be free of potholes, fatigue cracking, loose debris or other similar degraded conditions which would inhibit the installation of surface treatments or perceivably shorten the operational life. Asphalt roadways are preferred, however concrete roads can be considered. Roadways that are constructed using unit pavers, stamped textures or comprised of mixed materials (such as adjoining asphalt and concrete surfaces) should be avoided. Roadways that are scheduled for reconstruction or re-surfacing within five (5) years or less as per the County of Renfrew Asset Management Plan, from the time of decorative crosswalk installation must be avoided so that the treatments are not inadvertently removed earlier than intended or before their operational end-of-life.

Corporate Policies & Procedures			
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3.0 INSTALLATION AND MAINTENANCE

Proper installation and maintenance of decorative crosswalk treatments protects their overall integrity and longevity. Therefore, they must be installed by professional forces that are sufficiently trained and skilled, using appropriate materials and methods, routinely monitored, repaired and maintained.

Artwork must be contained within the two white standard transverse lines of the crosswalk and the edge of the roadway. Treatment must be configured so that a pedestrian’s first step is onto asphalt (the bare road surface), achieved by starting the artwork approximately 1.0 metre away from the curb/edge of road. It must not continue or extend onto median islands, curb gutters, curbs, sidewalks or other roadway features.

Artwork must not be applied to utility manhole covers, chamber lids, frames or other similar infrastructure.

Artwork should provide visual contrast and be reflective as per the requirements of the OTM.

Artwork that would be considered ladder (or zebra) markings, must dimensionally conform to the requirements of the HTA and OTM.

Artwork shall respect community standards concerning appropriate subjects and imagery for display in public places. Further, commercial interests such as advertising and copyright protected content is not permitted without special consideration and explicit permission.

Artwork must not be comprised of any elements that road users, particularly pedestrians, would interact with such as hopscotch as an example.

Artwork must not directly or inadvertently mislead the general use or guidance of the crosswalk, especially users whom are visually impaired.

Corporate Policies & Procedures			
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4.0 MATERIALS AND INSTALLATION

Durable skid resistant pavement markings, such as thermoplastic or cold plastic, are preferred to be used for artwork or as specified by the Public Works and Engineering Department. The in-service operational life of durable pavement markings is approximately five (5) years, and is dependent upon roadway surface conditions and traffic volumes.

Artwork must be reflective as per the requirements of the OTM.

Decorative crosswalks must be installed by the County of Renfrew, Public Works and Engineering Department or by contractors as directed by the same.

Artwork designs shall be reasonable, easily reproduced and installed using the noted marking materials and their associated installation methods.

Installation shall be scheduled to occur seasonally in the late spring to early fall or as weather and conditions permit to ensure optimal adherence of materials to roadway surfaces.

5.0 MAINTENANCE AND OPERATIONS

Decorative crosswalks shall be cleaned regularly by the County of Renfrew.

It is recognized that decorative crosswalks do not have an attributed level of service as defined by Ontario Regulation 239/02: Minimum Maintenance Standards for Municipal Highways. However, decorative crosswalks shall generally be inspected by the County of Renfrew, Public Works and Engineering Department, once per calendar year, typically in the late spring;

Maintenance of decorative crosswalks shall be safety focused, but also to maintain the integrity and longevity of the artwork. Maintenance shall be generally conducted on an as-needed basis.

Corporate Policies & Procedures			
SECTION: Operations	AUTHOR: Director of Public Works and Engineering		POLICY #: PW-18
POLICY: Decorative Crosswalks on County Roads			APPROVED:
DATE: October 2022	REV. DATE:	COVERAGE: Public Works and Engineering Department	PAGE #: Page 7 of 8

Decorative crosswalks do not have an infinite life and would need to be removed (and replaced if appropriate) when deemed necessary or as required by any terms and/or agreements of their installation.

Requestors of decorative crosswalks shall be responsible for installation costs and maintenance costs.

6.0 ATTRIBUTED COSTS

The cost of installing and maintaining decorative crosswalks will have an impact on capital and existing operational budgets. Because of this, the person or agency requesting decorative crosswalks shall accept all costs.

The cost of installing a decorative crosswalk is dependent upon the intricacy, width of the roadway, coverage of the artwork and location. It is estimated that installation costs would be between \$5,000 and \$15,000 depending on the length of the crossing.

The ongoing maintenance of the decorative crosswalks shall be borne by the requestor based upon the cost difference between standard crosswalks and decorative crosswalks. Costs would also be dependent upon the same primary cost drivers noted as part of installation (above).

Maintenance costs shall be determined at the time of approval and based upon the design of the decorative crosswalks and perceived attributed maintenance cost pressures.

Installation and maintenance costs which are the requestors will be formalized by establishment of a written agreement.

Installation costs for decorative crosswalks that are not requested by external people or agencies, but rather internal to the County of Renfrew, shall be funded from an appropriate capital budget. Maintenance and operation costs shall be

Corporate Policies & Procedures			
SECTION: Operations	AUTHOR: Director of Public Works and Engineering		POLICY #: PW-18
POLICY: Decorative Crosswalks on County Roads			APPROVED:
DATE: October 2022	REV. DATE:	COVERAGE: Public Works and Engineering Department	PAGE #: Page 8 of 8

funded from an appropriate operating budget and annual budgets shall be reasonably adjusted as decorative crosswalks are added or removed.

7.0 APPROVALS

The installation of a new decorative crosswalk on County Roads shall be approved by the appropriate County of Renfrew authority, based on total overall cost of purchased services and materials, as per requirements of County of Renfrew Corporate Policy GA-01 Procurement of Goods and Services.

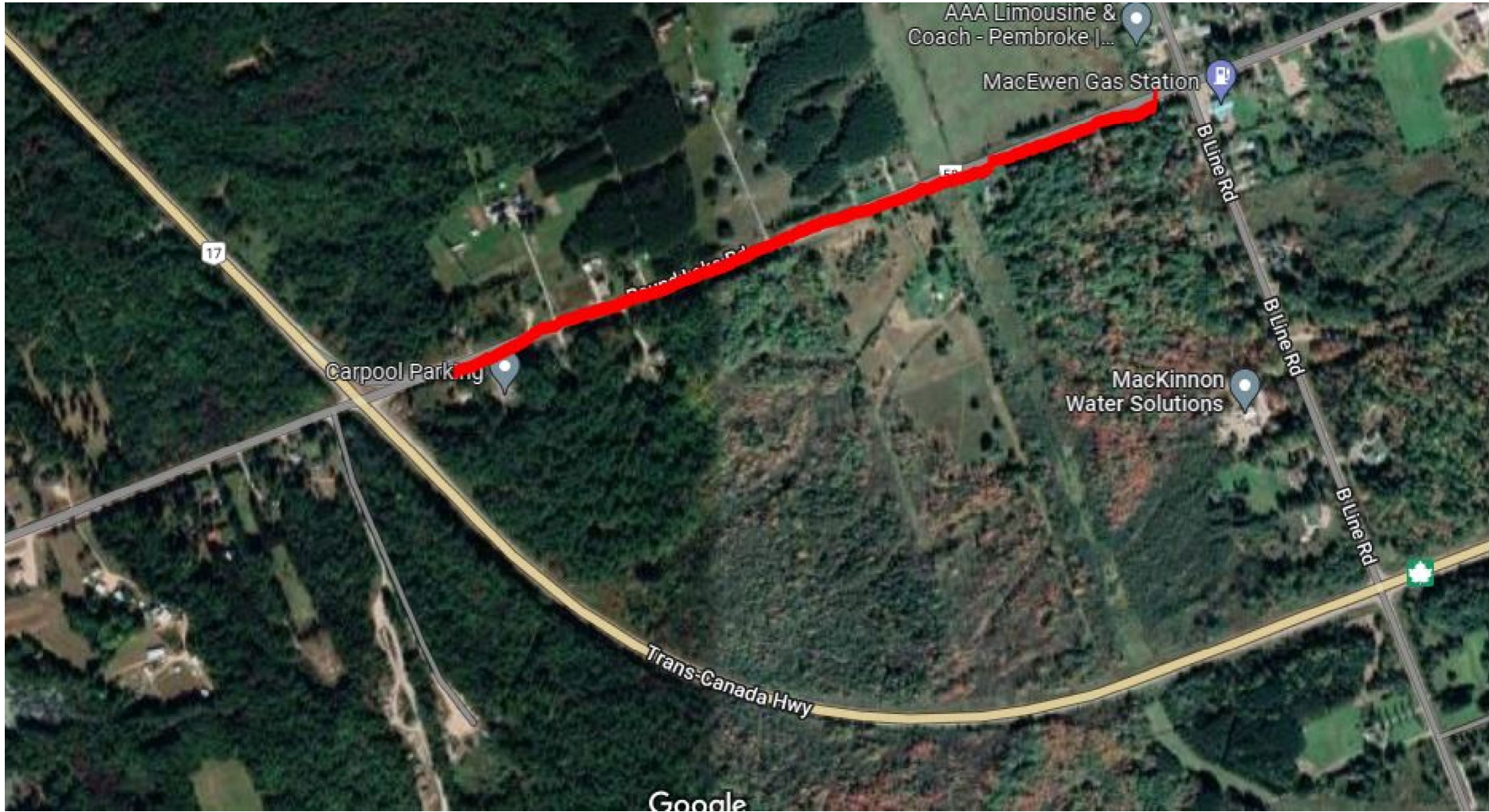
From: Snow Country
Sent: October 25, 2022 8:55 AM
To: Nathan Kuiack
Cc: Lee Perkins; Jason Davis; Kerry Macdonald
Subject: RE: New Trail Route

Hi Nathan

Coming back to this:

The Timberline Club has exhausted all options of a reroute to connect this major trail. The Club had been working with an adjoining landowner on the south side of Hwy 17 and thought we had a viable option, however upon site inspection the land is much too wet to build a trail on. We would ask consideration be given to access the ditch along Round Lake Road. Since the CN lands thru the City have been sold, this trail is now our only option to connect to the hotels & Irving Big Stop from the west.

Thanks
Terry





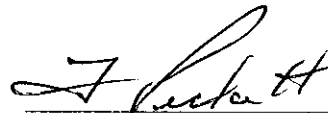
Regular Council Meeting Resolution Form

Date: August 9, 2022 No: RESOLUTION - 296-2022
 Moved by Councillor Scott Brum Disposition: CARRIED
 Seconded by Councillor Oliver Jacob Item No: 11.1

Description: Speed Limit on White Lake Road

RESOLUTION:

THAT Council of the Township of McNab/Braeside recommends that the County of Renfrew Public Works Department review and determine if a speed limit reduction is warranted on White Lake Road (CR-2) between Robertson Line and Kippen Road.



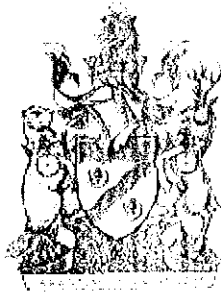
 MAYOR

Recorded Vote Requested by:

Declaration of Pecuniary Interest:

	Yea	Nay
T. Peckett	_____	_____
B. Armsden	_____	_____
H. Lang	_____	_____
S. Brum	_____	_____
O. Jacob	_____	_____

Disclosed his/her/their interest(s), vacated he/her/their seat(s), abstained from discussion and did not vote



Regular Council Meeting Resolution Form

Date: August 23, 2022 No: RESOLUTION - 323-2022
 Moved by Councillor Scott Brum Disposition: CARRIED
 Seconded by Councillor Oliver Jacob Item No: 12.4

Description: County of Renfrew Traffic Study on White Lake Road (mountain)

RESOLUTION:

THAT Council request that an up to date traffic study be completed on White Lake Road (mountain) as well as Highland Road (going into Waba) by the County of Renfrew upon completion of construction.



 MAYOR

Recorded Vote Requested by:

Declaration of Pecuniary Interest:

	Yea	Nay
T. Peckett	_____	_____
B. Armsden	_____	_____
H. Lang	_____	_____
S. Brum	_____	_____
O. Jacob	_____	_____

Disclosed his/her/their interest(s), vacated
 he/her/their seat(s),
 abstained from discussion and did not vote

SECTION: PUBLIC WORKS		POLICY #: PW-01	
POLICY: Roadway Classification System			
DATE: April 01	REV. DATE: -	COVERAGE: All County Roads	PAGE #: 1 of 5

POLICY STATEMENT:

The County of Renfrew believes that a roadway network performs most efficiently and effectively when the roads comprising that network are designed, built and operated to serve their intended purposes. A classification system designates roads into different groups according to the type of service each group is intended to provide. By grouping roads with similar function and adopting a consistent set of standards, the County of Renfrew can improve transportation planning, road design, road maintenance and road operations.

Therefore the County of Renfrew adopts a hierarchical system of roadway classification, which shall apply to all roadways in the County road system. Roads shall be defined according to the surrounding environment (rural or urban) and one of the following functions/categories:

- Major Arterial
- Minor Arterial
- Major Collector
- Minor Collector
- Local
- Lane/Seasonal

DEFINITIONS:Arterial Road

Roads whose primary function is to move traffic. Property access is very much a secondary consideration and may be severely restricted. A distinction may be made between major and minor arterials depending on the volume and nature of the traffic.

Collector

Roads whose function is both traffic movement and property access. A balanced approach between these often conflicting needs is to be taken.

SECTION: PUBLIC WORKS		POLICY #: PW-01	
POLICY: Roadway Classification System			
DATE: April 01	REV. DATE: -	COVERAGE: All County Roads	PAGE #: 2 of 5

Laneways

Roads typically found in an urban environment providing access to the rear of properties in the town core areas.

Local Roads

Roads whose function is primarily to provide access to property. Traffic movement is very much a secondary consideration.

Rural Roadways

Roadways passing through largely undeveloped areas and having an open drainage system.

Seasonal Roads

Roads typically of the rural variety which are not maintained during the winter months. During the months during which the roads are accessible they serve the same function as a local roadway.

Urban Roadways

Roads passing through areas where the degree of development is at or near full development along a substantial portion of its length, and shall include those portions of road within an urban municipality or settlement. Such roads generally consist of curbs and gutters adjacent to the traveled portion of the roadway. Drainage is generally accommodated by a closed (piped) system.

PROCEDURE:

All roads in the county road system shall be classified according to their roadside environment and function within the system. In establishing the classification of the roads or significant portions thereof consideration shall be given to the characteristics illustrated in Table 1 for rural roadways and Table 2 for urban roadways.

SECTION: PUBLIC WORKS		POLICY #: PW-01	
POLICY: Roadway Classification System			
DATE: April 01	REV. DATE: -	COVERAGE: All County Roads	PAGE #: 3 of 5

The County Engineer shall maintain the roadway classifications ongoingly. Major updates shall be undertaken in conjunction with each rationalization update, which is to be conducted every five years, or as directed by County Council.

Table 1
CHARACTERISTICS OF RURAL ROAD CLASSIFICATIONS

CHARACTERISTIC	RURAL FREEWAYS	RURAL ARTERIALS	RURAL COLLECTORS	RURAL LOCALS	SEASONAL/ COTTAGE
Traffic Service	optimum mobility	traffic movement primary consideration	traffic movement & land access equal importance	traffic movement secondary consideration	little or no consideration
Land Service	no access	land access secondary consideration	traffic movement and land access equal importance	land access primary consideration	primary consideration
Range of Traffic Volume A.A.D.T.	≥ 15,000	major 10,000-14,999 minor 4,000 – 9,999	major 1,000-3,999 minor 200 – 999	50 - 199	0 - 49
Traffic Flow	free flow	Uninterrupted flow except at signals	interrupted flow	interrupted flow	interrupted flow
Design Speed	90 – 110 km/h	70 – 90 km/h	60 – 90 km/h	50 – 90 km/h	≤ 50 km/h
Average Running Speed Off-peak Conditions	80 – 100 km/h	60 – 80 km/h	60 – 80 km/h	50 – 80 km/h	≤ 50 km/h
Vehicle Type	all types heavy trucks average 20 – 30%	all types up to 20% trucks	all types up to 30% trucks mostly single unit type	predominantly passenger cars and light to medium trucks and occasional heavy trucks	passenger cars and light trucks, rarely heavy trucks
Percentage of Total Length	up to 5	5 – 10	10 – 20	75 approx.	up to 5
Connects to	freeways arterials collectors	all classifications	all classifications	arterials collectors locals	locals
Accommodation for Pedestrians (Local Responsibility)	not permitted	permitted some special provision in semi urban	no special provisions	permitted no special provisions	permitted no special provisions
Accommodation for Cyclists	not permitted	areas additional lane width where volumes warrant	no special provisions	no special accommodation	no special accommodation
Parking Restrictions	not permitted exception emergencies	prohibited under normal circumstances	permitted some restrictions may apply	no restrictions	no restrictions
Typical Intersection Spacing	800 – 1600 m	200 – 800 m	120 m	60 m	60 m
Desirable Right-of-way Widths	≥ 30 m	26 – 30 m	20 – 26 m	20 m	≤ 20 m

*Adopted from Geometric Design Manual for Canadian Roads Transportation Association of Canada

Table 2
CHARACTERISTICS OF URBAN ROAD CLASSIFICATIONS

CHARACTERISTIC	URBAN FREEWAYS	URBAN ARTERIALS	URBAN COLLECTORS	URBAN LOCALS	ALLEYWAYS
Traffic Service	optimum mobility	traffic movement primary consideration	traffic movement & land access equal importance	traffic movement secondary consideration	little or no consideration
Land Service	no access	land access secondary consideration	traffic movement and land access equal importance	land access primary consideration	primary consideration
Range of Traffic Volume A.A.D.T.	more than 20,000	major 15,000-20,000 minor 10,000-14,999	major 4,000-9,999 minor 500 –3,999	50 - 499	0 - 49
Traffic Flow	free flow	Uninterrupted flow except at signals and cross walks	interrupted flow	interrupted flow	interrupted flow
Design Speed	70 – 110 km/h	50 – 90 km/h	60 – 70 km/h	50 – 60 km/h	≤ 50 km/h
Average Running Speed Off-peak Conditions	60 – 100 km/h	50 – 80 km/h	50 – 60 km/h	40 – 50 km/h	≤ 50 km/h
Vehicle Type	all types up to 20% trucks	all types up to 20% trucks	all types	passenger and service vehicles	passenger and service vehicles
Percentage of Total Length	up to 10	up to 30	up to 30	70 approx.	up to 5
Connects to	freeways arterials	freeways arterials collectors	arterials collectors locals	collectors locals	locals collectors
Accommodation for Pedestrians (Local Responsibility)	not permitted	sidewalks where warranted	sidewalks where warranted	sidewalks may or may not be provided	no special provisions
Accommodation for Cyclists	not permitted	permit some additional lane width may be provided	where warranted	no special accommodation	no special accommodation
Parking Restrictions	not permitted	permitted some restrictions may apply	permitted some restrictions may apply	permitted on-site only	may not be permitted
Typical Intersection Spacing	800 – 1600 m	200 – 400 m	120 m	60 m	as required
Desirable Right-of-way Widths	≥ 30 m	26 – 30 m	20 – 26 m	20 m	≤ 20 m

*Adopted from Geometric Guide for Canadian Roads Transportation Association of Canada

10 Year Capital Plan 2023-2032

Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
1	Elgin Street West	Madawaska & Elgin-to-Cty Rd 10 (Division St)	0.83	Goshen	Arnprior	5036	40	Collector
1	Madawaska Blvd	Connifer Lane-to-Herrick Drive	0.11	Goshen	Arnprior	6580	80	Arterial
1	Madawaska Blvd	Herrick Drive-to-Arnprior Town Limit (4 Lanes Begin)	0.44	Goshen	Arnprior	7956	80	Arterial
1	Madawaska Blvd	Arnprior Town Line-to-B258 E Exp Jnt	1.19	Goshen	Arnprior	12137	50	Maj. Arterial
1	Madawaska Blvd	B258 W Exp Jnt-to-Daniel St	0.04	Goshen	Arnprior	12137	50	Maj. Arterial
1	Madawaska Blvd	Daniel St-to-Elgin St	0.47	Goshen	Arnprior	9607	50	Maj. Arterial
1	River Road	Lochwinnoch Rd-to-Storie Rd	1.20	Goshen	McNab/Braeside	1057	80	Collector
1	River Road	Storie Rd-to-County CP Trail	1.07	Goshen	Horton	1057	80	Collector
1	River Road	Moore St-to-Dochart St	2.10	Goshen	McNab/Braeside	4106	80	Collector
1	River Road	County CP Trail-to-Castleford Bdge S Exp Jnt	2.17	Goshen	Horton	1057	80	Collector
1	River Road	Dochart St-to-Cty Rd 3 (Usborne St)	1.21	Goshen	McNab/Braeside	2912	50	Collector
1	River Road	Cty Rd 3 (Usborne St)-to-Braeside West Limit	0.60	Goshen	McNab/Braeside	1600	50	Collector
1	River Road	Braeside West Limit-to-Toner Road	1.81	Goshen	McNab/Braeside	1600	60	Collector
1	River Road	Toner Road-to-Sand Point East Limit	1.03	Goshen	McNab/Braeside	1600	60	Collector
1	River Road	Sand Point East Limit-to-Mast Rd	2.06	Goshen	McNab/Braeside	1155	50	Collector
1	River Road	Usborne St-to-Moore St	0.61	Goshen	McNab/Braeside	4106	80	Collector
1	River Road	Mullins Rd-to-Rex Lane	2.44	Goshen	Horton	805	80	Local
1	River Road	Rex Lane-to-Cty Rd 4 (Storyland Rd)	1.13	Goshen	Horton	805	80	Local
1	River Road	Cty Rd 10 (Division St)-to-Usborne St	0.49	Goshen	McNab/Braeside	4106	50	Collector
1	River Road	Mast Rd-to-Henry Crescent	1.83	Goshen	McNab/Braeside	1155	60	Collector
1	River Road	Henry Crescent-to-Lochwinnoch Rd	2.36	Goshen	McNab/Braeside	1155	80	Collector
1	River Road	Castleford Bdge N Exp Jnt-to-Cty Rd 20 (Castleford Rd)	2.57	Goshen	Horton	1057	80	Collector
1	River Road	County Road 20-to-Grantham Road	0.48	Goshen	Horton	1345	60	Collector
1	River Road	Grantham Road-to-Mullins Road	3.43	Goshen	Horton	1345	80	Collector
2	Daniel St. North	Madawaska St-to-Michael St (left)	0.93	Goshen	Arnprior	7976	40	Min. Arterial
2	Daniel St. North	Michael St-to-Arthur Street	0.54	Goshen	Arnprior	13611	40	Maj. Arterial
2	Daniel St. North	Arthur Street-to-CR 10 (Baskin Drive W)	0.26	Goshen	Arnprior	13611	50	Maj. Arterial
2	Daniel St. North	Baskin Dr-to-Hwy 17	0.54	Goshen	Arnprior	11204	50	Maj. Arterial
2	White Lake Road	Young Rd-to-Mountain View Rd	2.75	Goshen	McNab/Braeside	3238	80	Collector
2	White Lake Road	Hwy 17-to-Cty Rd 45 (Vanjumar Dr)	0.47	Goshen	Arnprior	7820	60	Min. Arterial
2	White Lake Road	Cty Rd 45 (Vanjumar Dr)-to-Campbell Dr	0.37	Goshen	McNab/Braeside	3702	80	Collector
2	White Lake Road	Campbell Dr-to-Claybank Bdge E Exp Jnt	1.24	Goshen	McNab/Braeside	3702	80	Collector
2	White Lake Road	Claybank Bdge W Exp Jnt-to-Young Rd	1.28	Goshen	McNab/Braeside	3180	80	Collector
2	White Lake Road	Mountain View Rd-to-Robertson Line	1.31	Goshen	McNab/Braeside	3238	80	Collector
2	White Lake Road	Robertson Line-to-Cty Rd 23 (Highland Rd)	3.18	Goshen	McNab/Braeside	3238	80	Collector
2	White Lake Road	Cty Rd 23 (Highland Rd)-to-Waba Creek Bdge E Exp Jnt	0.95	Goshen	McNab/Braeside	2157	60	Collector
3	Usborne Street	Cty Rd 1 (River Rd)-to-Braeside West Limits	0.38	Goshen	McNab/Braeside	1114	50	Collector
3	Usborne Street	Braeside West Limits-to-Carlea Rd	0.46	Goshen	McNab/Braeside	1114	60	Collector
3	Usborne Street	Carlea Rd-to-Carmichael Sideroad	2.08	Goshen	McNab/Braeside	1114	80	Collector
3	Usborne Street	Carmichael Sideroad-to-Cty Rd 54 (McLean Dr)	1.68	Goshen	McNab/Braeside	1114	80	Collector
4	Queens Line	1890 Queens Line-to-Magnesium Rd (CR 48)	2.20	Cobden	Whitewater Region	1211	80	Collector

10 Year Capital Plan 2023-2032

Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
4	Queens Line	Cty Rd 48 (Magnesium Rd)-to-Acres Rd	3.30	Cobden	Whitewater Region	1236	80	Collector
4	Queens Line	Acres Rd-to-Kohlsmith Rd	3.09	Cobden	Whitewater Region	1236	80	Collector
4	Queens Line	Kohlsmith Rd-to-Cty Rd 7 (Foresters Falls Rd)	2.55	Cobden	Whitewater Region	1236	80	Collector
4	Queens Line	Cty Rd 653 (Chenau Rd)-to-CA 1890	2.10	Cobden	Whitewater Region	1211	80	Collector
4	Storyland Road	Eady Rd-to-Cty Rd 1 (River Rd)	1.40	Goshen	Horton	2638	80	Collector
4	Storyland Road	Cty Rd 1 (River Rd)-to-Alex Lane	1.29	Goshen	Horton	3154	80	Collector
4	Storyland Road	Alex Lane-to-Bingham Road	1.20	Goshen	Horton	3154	80	Collector
4	Storyland Road	Bingham Road-to-CR 653 (Chenau Rd)	1.64	Goshen	Horton	3154	80	Collector
4	Storyland Road	Hwy 17-to-Eady Rd	1.75	Goshen	Horton	2638	80	Collector
5	Stone Road	Mhusk Rd-to-Gallagher Rd	3.00	Cobden	Admaston/Bromley	182	80	Local
5	Stone Road	Gallagher Rd-to-Cty Rd 22 (Hyndford Rd)	1.74	Cobden	Admaston/Bromley	182	80	Local
5	Stone Road	Cty Rd 22 (Hyndford Rd)-to-Hwy 60	0.33	Cobden	Admaston/Bromley	876	50	Collector
5	Stone Road	1574 Stone Rd-to-Fulton Rd	0.71	Cobden	Admaston/Bromley	382	80	Local
5	Stone Road	Fulton Rd-to-Kennelly Rd	2.55	Cobden	Admaston/Bromley	382	80	Local
5	Stone Road	Kennelly Rd-to-Mhusk Rd	1.37	Cobden	Admaston/Bromley	382	80	Local
5	Stone Road	Hwy 132-to-Reid Rd	1.80	Cobden	Admaston/Bromley	1085	80	Collector
5	Stone Road	Reid Rd-to-Foy Rd	1.13	Cobden	Admaston/Bromley	1085	80	Collector
5	Stone Road	Foy Rd-to-Berlanquet Rd	1.44	Cobden	Admaston/Bromley	1085	80	Collector
5	Stone Road	Berlanquet Rd-to-Culhane Rd	1.94	Cobden	Admaston/Bromley	1085	80	Collector
5	Stone Road	Culhane Rd-to-1574 Stone Rd	1.42	Cobden	Admaston/Bromley	382	80	Local
6	Gillan Rd	Hwy 60 (O'Brien Rd)-to-Jamieson Lane	1.15	Goshen	Renfrew	2405	60	Collector
6	Gillan Rd	Jamieson Lane-to-Lime Kiln Rd	1.72	Goshen	Horton	2405	60	Collector
6	Gillan Rd	Lime Kiln Rd-to-Hwy 17	0.86	Goshen	Horton	2313	60	Collector
6	Lochwinnoch Rd	Hwy 17-to-Thomson Rd	2.09	Goshen	Horton	869	80	Local
6	Lochwinnoch Rd	Thomson Rd-to-Yantha Rd	2.77	Goshen	Horton	869	80	Local
6	Lochwinnoch Rd	Yantha Rd-to-Miller Rd	1.16	Goshen	McNab/Braeside	869	80	Local
7	Foresters Falls Rd	Hwy 17-to-Gypsy Lane	1.04	Cobden	Whitewater Region	2260	80	Collector
7	Foresters Falls Rd	Gypsy Lane-to-Marjorie Rd	1.66	Cobden	Whitewater Region	2260	60	Collector
7	Foresters Falls Rd	Marjorie Rd-to-Zion Line	1.80	Cobden	Whitewater Region	2286	80	Collector
7	Foresters Falls Rd	Zion Line-to-Cty Rd 4 (Queens Line)	2.33	Cobden	Whitewater Region	2286	80	Collector
7	Foresters Falls Rd	Beginning of semi-urban-to-Beginning of rural	0.55	Cobden	Whitewater Region	596	50	Collector
7	Foresters Falls Rd	Beginning of rural-to-Grants Settlement Rd	1.08	Cobden	Whitewater Region	596	80	Local
7	Foresters Falls Rd	Cty Rd 4 (Queens Line)-to-Cty Rd 21 (Beachburg Rd)	0.39	Cobden	Whitewater Region	2286	80	Collector
7	Foresters Falls Rd	Cty Rd 21 (Beachburg Rd)-to-Government Rd	2.06	Cobden	Whitewater Region	596	80	Local
7	Foresters Falls Rd	Government Road-to-Harriet Street (urban begins)	0.29	Cobden	Whitewater Region	596	60	Local
7	Foresters Falls Rd	Harriet Street (urban begins)-to-Beginning of semi-urban	0.65	Cobden	Whitewater Region	596	50	Collector
8	Cobden Rd	Hwy 60/Cty Rd 9 (Bulger Rd)-to-Pine Valley Rd	3.01	Cobden	Admaston/Bromley	1479	80	Collector
8	Cobden Rd	Pine Valley Rd-to-Barr Line	2.59	Cobden	Admaston/Bromley	1479	80	Collector
8	Cobden Rd	Barr Line-to-McPeak Line	2.66	Cobden	Admaston/Bromley	1873	80	Collector
8	Cobden Rd	McPeak Line-to-Behm Line	2.81	Cobden	Admaston/Bromley	1911	80	Collector
8	Cobden Rd	Behm Line-to-Cobden Urban Beginning	0.51	Cobden	Whitewater Region	3356	50	Collector
8	Cobden Rd	Cobden Urban Beginning-to-Hwy 17	0.91	Cobden	Whitewater Region	3356	50	Collector
9	Bulger Rd	Agnew Rd-to-McGaghran Rd	2.67	Cobden	Admaston/Bromley	861	80	Local
9	Bulger Rd	McGaghran Rd-to-Stone Hedges Rd	2.56	Cobden	North Algona Wilberforce	771	80	Local
9	Bulger Rd	Hwy 60/Cty Rd 8 (Cobden Rd)-to-Agnew Rd	2.02	Cobden	Admaston/Bromley	861	80	Local
9	Bulger Rd	Stone Hedges Rd-to-Hwy 41	4.39	Cobden	North Algona Wilberforce	771	80	Local
10	Baskin Drive West	CR 2(Daniel Street)-to-Division Street	1.21	Goshen	Arnprior	4210	50	Collector
10	Division St	Baskin Drive West-to-Alexandra Street	0.76	Goshen	McNab/Braeside	5315	50	Collector

10 Year Capital Plan 2023-2032

Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
10	Division St	Alexandra Street-to-Cty Rd 1 (River/Elgin)	0.42	Goshen	McNab/Braeside	5193	50	Collector
12	Westmeath Rd	Old Mill Bridge Rd-to-Westmeath Twp Dump	3.22	Whitewater	Whitewater Region	507	80	Local
12	Westmeath Rd	Urban Beginning-to-Cty Rd 50 (Gore Line)	0.68	Cobden	Whitewater Region	1481	50	Collector
12	Westmeath Rd	Westmeath Twp Dump-to-Lovers Lane	1.09	Whitewater	Whitewater Region	507	80	Local
12	Westmeath Rd	Lovers Lane-to-Urban beginning	1.07	Whitewater	Whitewater Region	1481	80	Collector
13	Mountain Rd	Stafford Third Line-to-Stafford Second Line	1.40	Cobden	Laurentian Valley	369	80	Local
13	Mountain Rd	Stafford Second Line-to-Snake River Line	1.37	Cobden	Laurentian Valley	369	80	Local
13	Mountain Rd	Snake River Line-to-Hwy 17	1.49	Cobden	Whitewater Region	369	80	Local
13	Mountain Rd	Wilberforce/Stafford Line-to-Micksburg Rd	1.64	Cobden	Laurentian Valley	318	80	Local
13	Mountain Rd	Hwy 41-to-Wilberforce/Stafford Line	2.62	Cobden	North Algona Wilberforce	318	80	Local
13	Mountain Rd	Micksburg Rd-to-Soike Rd	1.40	Cobden	Laurentian Valley	369	80	Local
13	Mountain Rd	Soike Rd-to-Stafford Third Line	1.38	Cobden	Laurentian Valley	369	80	Local
14	Witt Rd	Locksley Rd-to-Cty Rd 26 (Doran Rd)	2.26	Whitewater	Laurentian Valley	294	80	Local
14	Witt Rd	Cty Rd 56 (Woito Station Rd)-to-Locksley Rd	2.18	Whitewater	Laurentian Valley	294	80	Local
16	Victoria St	Cty Rd 51 (Petawawa Blvd)-to-	0.87	Whitewater	Petawawa	4729	50	Collector
16	Victoria St	Wolfe Ave-to-Armstrong Rd	0.89	Whitewater	Petawawa	1852	50	Collector
16	Victoria St	Armstrong Rd-to-CR 25 (Laurentian Drive)	0.37	Whitewater	Petawawa	1852	50	Collector
19	Mud Lake Rd	Cty Rd 24 (White Water Rd)-to-Robinson Rd	1.27	Whitewater	Laurentian Valley	845	80	Local
19	Mud Lake Rd	Robinson Rd-to-McDonnell Bdge S Exp Jnt	0.90	Whitewater	Laurentian Valley	1581	80	Collector
19	Mud Lake Rd	McDonnell Bdge N Exp Jnt-to-Sawmill Rd	1.21	Whitewater	Laurentian Valley	1581	60	Collector
19	Mud Lake Rd	Sawmill Rd-to-City of Pembroke South Limit	1.52	Whitewater	Laurentian Valley	2085	60	Collector
20	Bruce St	Hwy 60-to-Urban Limit	0.48	Goshen	Renfrew	6942	50	Collector
20	Bruce St	Urban Limit-to-Cobus Rd	1.30	Goshen	Renfrew	5744	60	Collector
20	Bruce St	Cobus Rd-to-Hwy 17	1.33	Goshen	Horton	5744	80	Arterial
20	Castleford Rd	Humphries Rd-to-Cty Rd 1 (River Rd)	1.39	Goshen	Horton	1059	80	Collector
20	Castleford Rd	Eady Rd-to-Ferguson Rd	1.40	Goshen	Horton	1059	80	Collector
20	Castleford Rd	Ferguson Rd-to-Humphries Rd	1.48	Goshen	Horton	1059	80	Collector
20	Castleford Rd	Hwy 17-to-Collins Rd	1.49	Goshen	Horton	1059	80	Collector
20	Castleford Rd	Collins Rd-to-Eady Rd	1.86	Goshen	Horton	1059	80	Collector
21	Beachburg Rd	Hila Rd-to-Cty Rd 12 (Westmeath Rd)	1.70	Whitewater	Whitewater Region	1865	80	Collector
21	Beachburg Rd	Cty Rd 12 (Westmeath Rd)-to-Finchley Rd	2.50	Whitewater	Whitewater Region	3394	80	Collector
21	Beachburg Rd	Cty Rd 7 (Foresters Falls Rd-to-Fletcher Rd)	3.02	Cobden	Whitewater Region	1105	80	Collector
21	Beachburg Rd	Fletcher Rd-to-Buchannan's Pit Entrance (1046)	2.07	Cobden	Whitewater Region	1089	80	Collector
21	Beachburg Rd	Urban Beginning-to-Little St	0.89	Cobden	Whitewater Region	1844	50	Collector
21	Beachburg Rd	Little St-to-Cty Rd 49 (Lapasse Rd)	0.88	Cobden	Whitewater Region	1844	50	Collector
21	Beachburg Rd	Cty Rd 49 (Lapasse Rd)-to-Davidson Rd	1.32	Whitewater	Whitewater Region	1865	80	Collector
21	Beachburg Rd	Davidson Rd-to-Zion Line	1.99	Whitewater	Whitewater Region	1865	80	Collector
21	Beachburg Rd	Zion Line-to-Valleyview Rd	2.12	Whitewater	Whitewater Region	1865	80	Collector
21	Beachburg Rd	Valleyview Rd-to-Hila Rd	2.34	Whitewater	Whitewater Region	1865	80	Collector
21	Beachburg Rd	Buchannan's Pit Entrance (1046)-to-Pappin Rd	1.10	Cobden	Whitewater Region	1089	70	Collector
21	Beachburg Rd	Pappin Rd-to-Watchorn Dr	1.05	Cobden	Whitewater Region	1089	70	Collector
21	Beachburg Rd	Watchorn Dr-to-Urban Beginning	0.34	Cobden	Whitewater Region	1844	50	Collector
21	Beachburg Rd	Finchley Rd-to-Cemetery Rd	1.30	Whitewater	Whitewater Region	3394	80	Collector
21	Beachburg Rd	Cemetery Rd-to-Cty Rd 40 (Greenwood Rd)	2.03	Whitewater	Whitewater Region	3394	80	Collector
22	Grattan Rd	Scotch Bush Rd-to-Bromley/Grattan Twp Line	2.03	Cobden	Bonnechere Valley	588	60	Local
22	Grattan Rd	Bromley/Grattan Twp Line-to-Gallagher Rd	0.83	Cobden	Admaston/Bromley	588	80	Local
22	Grattan Rd	Gallagher Rd-to-Cty Rd 5 (Stone Rd)	2.18	Cobden	Admaston/Bromley	588	80	Local

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Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
22	Grattan Rd	Hwy 41-to-Perrault Rd	2.01	Cobden	Bonnechere Valley	588	80	Local
22	Grattan Rd	Perrault Rd-to-Wren Rd	2.02	Cobden	Bonnechere Valley	588	80	Local
22	Grattan Rd	Wren Rd-to-Scotch Bush Rd	1.93	Cobden	Bonnechere Valley	588	80	Local
23	Highland Rd	Sawmill Rd-to-Frank St	0.59	Goshen	McNab/Braeside	948	50	Collector
23	Highland Rd	Frank St-to-Cty Rd 2 (White Lake Rd)	1.67	Goshen	McNab/Braeside	948	80	Collector
23	Highland Rd	Renfrew/Lanark Line-to-Sawmill Road	1.51	Goshen	McNab/Braeside	948	80	Collector
24	White Water Rd	Stafford Third Line-to-Hwy 17	2.57	Whitewater	Laurentian Valley	1893	80	Collector
24	White Water Rd	Hwy 41-to-Stafford Third Line	1.42	Whitewater	Laurentian Valley	1893	80	Collector
24	White Water Rd	Hwy 17-to-Cty Rd 40 (Greenwood Rd)	2.45	Whitewater	Laurentian Valley	2360	80	Collector
25	Laurentian Dr	Cty Rd 51 (Petawawa Blvd)-to-Silke Dr	1.38	Whitewater	Petawawa	2280	50	Collector
25	Laurentian Dr	Silke Dr-to-Civic Centre Rd	1.05	Whitewater	Petawawa	2280	60	Collector
25	Laurentian Dr	Civic Centre Rd-to-Dundonald Dr	0.53	Whitewater	Petawawa	2524	50	Collector
25	Laurentian Dr	Dundonald Dr-to-CR 16 (Victoria St)	0.46	Whitewater	Petawawa	2524	50	Collector
26	Doran Rd	Herman St-to-Cty Rd 51 (Petawawa Blvd)	0.65	Whitewater	Petawawa	3833	50	Collector
26	Doran Rd	Cty Rd 58 (Round Lake Rd)-to-Lubitz Rd	1.98	Whitewater	Laurentian Valley	1811	80	Collector
26	Doran Rd	Lubitz Rd-to-Forest Lea Rd	1.99	Whitewater	Laurentian Valley	1811	80	Collector
26	Doran Rd	Black Bay Rd-to-Cty Rd 37 (Murphy Rd)	1.99	Whitewater	Petawawa	3121	60	Collector
26	Doran Rd	Cty Rd 37 (Murphy Rd)-to-Herman St	0.38	Whitewater	Petawawa	3833	50	Collector
26	Doran Rd	Forest Lea Rd-to-Cty Rd 28 (Barron Canyon Rd)	2.01	Whitewater	Laurentian Valley	1811	80	Collector
26	Doran Rd	Cty Rd 28 (Barron Canyon Rd)-to-Hwy 17	0.29	Whitewater	Laurentian Valley	1811	80	Collector
26	Doran Rd	Hwy 17-to-Airport Rd	1.81	Whitewater	Petawawa	2607	80	Collector
26	Doran Rd	Airport Rd-to-Black Bay Rd	2.01	Whitewater	Petawawa	2632	80	Collector
26	Doran Rd	Cty Rd 14 (Witt Rd)-to-Zanders Rd	2.05	Whitewater	Laurentian Valley	640	80	Local
26	Doran Rd	Zanders Rd-to-Sandy Beach Rd	2.03	Whitewater	Laurentian Valley	640	80	Local
26	Doran Rd	Sandy Beach Rd-to-Cty Rd 58 (Round Lake Rd)	2.00	Whitewater	Laurentian Valley	640	80	Local
28	Barron Canyon Rd	Smith Lane-to-Priebe Rd	4.74	Whitewater	Petawawa	349	80	Local
28	Barron Canyon Rd	McKay/Petawawa Township Line-to-Smith Lane	1.64	Whitewater	Petawawa	349	80	Local
28	Barron Canyon Rd	Priebe Rd-to-Cty Rd 26 (Doran Rd)	1.94	Whitewater	Petawawa	689	80	Local
29	Drive-In Rd	Clearview Crescent-to-Spruce St East	0.42	Whitewater	Laurentian Valley	2853	50	Collector
29	Drive-In Rd	Elm St-to-Hwy 148	0.23	Whitewater	Laurentian Valley	2853	50	Collector
29	Drive-In Rd	City of Pembroke (South Limits)-to-Wilson Rd	1.06	Whitewater	Laurentian Valley	3610	60	Collector
29	Drive-In Rd	Wilson Rd-to-Clearview Crescent	1.09	Whitewater	Laurentian Valley	3230	60	Collector
30	Lake Dore Rd	Hwy 60-to-St. John's Church Steps	0.40	Cobden	North Algona Wilberforce	1413	50	Collector
30	Lake Dore Rd	St. John's Church Steps-to-Lovers Lane	1.19	Cobden	North Algona Wilberforce	1413	60	Collector
30	Lake Dore Rd	Lovers Lane-to-Sperberg Rd	1.67	Cobden	North Algona Wilberforce	1413	80	Collector
30	Lake Dore Rd	Sperberg Rd-to-Trail Blazers Rd	2.28	Cobden	North Algona Wilberforce	1633	80	Collector
30	Lake Dore Rd	Black Creek Rd-to-Limestone Rd	2.01	Cobden	North Algona Wilberforce	1633	80	Collector
30	Lake Dore Rd	Limestone Rd-to-Biederman Rd	0.98	Cobden	North Algona Wilberforce	1633	80	Collector
30	Lake Dore Rd	Biederman Rd-to-Scheuneman Rd	4.28	Cobden	North Algona Wilberforce	1633	80	Collector
30	Lake Dore Rd	Scheuneman Rd-to-Hwy 41	1.15	Cobden	North Algona Wilberforce	1633	80	Collector
30	Lake Dore Rd	Trail Blazers Rd-to-Black Creek Rd	2.11	Cobden	North Algona Wilberforce	1633	80	Collector
31	Lookout Rd	Cty Rd 49 (Lapasse Rd)-to-Desjardins Rd	3.11	Cobden	Whitewater Region	350	80	Local
31	Lookout Rd	Desjardins Rd-to-Lovers Lane	3.12	Cobden	Whitewater Region	350	80	Local
31	Lookout Rd	Lovers Lane-to-Cty Rd 12 (Westmeath Rd)	0.60	Cobden	Whitewater Region	350	80	Local
34	Norton Road	927 Whelan Rd-to-Pucker St	3.07	Goshen	Greater Madawaska	248	80	Local

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Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
34	Norton Road	Pucker St-to-English Rd	1.94	Goshen	Admaston/Bromley	264	80	Local
34	Whelan Rd	Kenopic Rd-to-1053 Whelan Rd	1.81	Goshen	Admaston/Bromley	264	80	Local
34	Whelan Rd	1053 Whelan Rd-to-HWY 132	3.10	Goshen	Admaston/Bromley	264	80	Local
34	Whelan Rd	English Rd-to-Kenopic Rd	1.30	Goshen	Admaston/Bromley	264	80	Local
35	Boundary Rd East	Cty Rd 35 (Boundary Rd E)-to-Trafalgar Rd	0.54	Whitewater	Laurentian Valley	6409	50	Collector
35	Jean Av	Beginning of Urban-to-Boundary Rd E	0.24	Whitewater	Laurentian Valley	3334	60	Collector
35	Jean Av	Cty Rd 36 (TV Tower Rd)-to-Beginning of Urban	0.83	Whitewater	Laurentian Valley	3334	60	Collector
36	TV Tower Road	Cty Rd 35 (Jean Ave)-to-CPR	1.36	Whitewater	Laurentian Valley	3626	80	Collector
36	TV Tower Road	CPR Crossing-to-Cty Rd 42 (Forest Lea Rd)	1.07	Whitewater	Laurentian Valley	3126	80	Collector
37	Murphy Rd	Hwy 17-to-Cty Rd 26 (Doran St)	2.16	Whitewater	Petawawa	1842	80	Collector
37	Murphy Rd	Cty Rd 26 (Doran St)-to-Cty Rd 51 (Petawawa Blvd)	0.93	Whitewater	Petawawa	4368	50	Collector
40	Greenwood Rd	Robinson Rd-to-HWY 148	1.58	Whitewater	Laurentian Valley	6431	80	Arterial
40	Greenwood Rd	Hwy 17-to-Meath Hill Rd	0.83	Whitewater	Whitewater Region	2559	80	Collector
40	Greenwood Rd	Meath Hill Rd-to-Cemetery Rd	2.50	Whitewater	Whitewater Region	2559	80	Collector
40	Greenwood Rd	Cemetery Rd-to-Cty Rd 21 (Beachburg Rd)	1.33	Whitewater	Laurentian Valley	2559	80	Collector
40	Greenwood Rd	Cty Rd 21 (Beachburg Rd)-to-Cty Rd 24 (White Water Rd)	0.84	Whitewater	Laurentian Valley	6780	80	Arterial
40	Greenwood Rd	Cty Rd 24 (White Water Rd)-to-Robinson Rd	1.13	Whitewater	Laurentian Valley	6431	80	Arterial
42	Forest Lea Rd	Hwy 17-to-B Line Rd	2.17	Whitewater	Laurentian Valley	2436	70	Collector
42	Forest Lea Rd	B Line Rd-to-Meadowbrook Dr West Junction	1.42	Whitewater	Laurentian Valley	2888	70	Collector
42	Forest Lea Rd	Meadowbrook Dr West Junction-to-Cty Rd 51 (Pembroke St W)	0.63	Whitewater	Laurentian Valley	2888	70	Collector
45	Russett Dr	Vanjumar Rd-to-Nieman Dr	1.95	Goshen	McNab/Braeside	3599	80	Collector
45	Russett Dr	Nieman Dr-to-Scheel Dr	1.81	Goshen	McNab/Braeside	1530	80	Collector
45	Russett Dr	Scheel Dr-to-Cty Rd 63 (Miller Rd)	1.52	Goshen	McNab/Braeside	1197	80	Collector
45	Vanjumar Rd	Cty Rd 2 (White Lake Rd)-to-Russett Dr	0.54	Goshen	McNab/Braeside	3599	60	Collector
48	Magnesium Rd	Hwy 653-to-Mine View Rd	1.94	Cobden	Whitewater Region	866	80	Local
48	Magnesium Rd	Mine View Rd-to-Cty Rd 4 (Queens Line)	2.67	Cobden	Whitewater Region	295	60	Local
49	Lapasse Rd	Cty Rd 21 (Beachburg Rd)-to-Glen Rd	0.63	Cobden	Whitewater Region	888	60	Collector
49	Lapasse Rd	Glen Rd-to-Cty Rd 31 (Lookout Rd)	2.67	Cobden	Whitewater Region	888	80	Local
49	Lapasse Rd	Cty Rd 31 (Lookout Rd)-to-Pleasant Valley Rd	1.51	Cobden	Whitewater Region	435	80	Local
49	Lapasse Rd	Pleasant Valley Rd-to-Hawthorne Rd	1.38	Cobden	Whitewater Region	435	80	Local
49	Lapasse Rd	Hawthorne Rd-to-Grants Settlement Rd	2.13	Cobden	Whitewater Region	435	80	Local
49	Lapasse Rd	Grants Settlement Rd-to-Cty Rd 50 (Gore Line)	3.53	Cobden	Whitewater Region	478	80	Collector
50	Gore Line	Jessie St-to-Wright Rd	1.30	Cobden	Whitewater Region	370	80	Local
50	Gore Line	Cty Rd 12 (Westmeath Rd)-to-Jessie St	0.11	Cobden	Whitewater Region	370	50	Collector
50	Gore Line	Wright Rd-to-Hawthorne Rd	1.99	Cobden	Whitewater Region	370	80	Local
50	Gore Line	Hawthorne Rd-to-Canola Rd	1.67	Cobden	Whitewater Region	370	80	Local
50	Gore Line	Canola Rd-to-Nicolai Rd	2.33	Cobden	Whitewater Region	370	80	Local
50	Gore Line	Nicolai Rd-to-Cty Rd 49 (Lapasse Rd)	1.89	Cobden	Whitewater Region	370	80	Local
51	Pembroke West	City of Pembroke West Limits-to-Cty Rd 42 (Forest Lea Rd)	0.90	Whitewater	Laurentian Valley	14676	60	Freeway
51	Petawawa Blv	Cty Rd 37 (Murphy Rd)-to-Cty Rd 26 (Doran St)	0.22	Whitewater	Petawawa	10632	50	Maj. Arterial
51	Petawawa Blv	Cty Rd 26 (Doran St)-to-Cty Rd 16 (Victoria St)	0.56	Whitewater	Petawawa	11732	50	Maj. Arterial
51	Petawawa Blv	Cty Rd 16 (Victoria St)-to-Petawawa River Bdge S Exp Jnt	0.16	Whitewater	Petawawa	11732	50	Maj. Arterial
51	Petawawa Blv	Petawawa River Bdge N Exp Jnt-to-Military Camp Rd	0.26	Whitewater	Petawawa	11732	50	Maj. Arterial
51	Petawawa Blv	B Line Rd-to-Sharon Street	1.29	Whitewater	Petawawa	13044	80	Freeway
52	Burnstown Rd	Waba Cr Bdge W Exp Jnt-to-McLachlan Rd	0.51	Goshen	McNab/Braeside	1077	50	Collector
52	Burnstown Rd	McLachlan Rd-to-McLeod Rd	5.95	Goshen	McNab/Braeside	1077	80	Collector

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Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
52	Burnstown Rd	McLeod Rd-to-Burnstown Bdge S Exp Jnt	0.77	Goshen	McNab/Braeside	1077	50	Collector
52	Burnstown Rd	Burnstown Bdge N Exp Jnt-to-Cty Rd 508 (Calabogie Rd)	0.23	Goshen	McNab/Braeside	1077	50	Collector
52	Burnstown Rd	Cty Rd 508 (Calabogie Rd)-to-Picket Hill Lane S Jct	0.33	Goshen	McNab/Braeside	2343	50	Collector
52	Burnstown Rd	Picket Hill Lane S Jct-to-Picket Hill Lane N Jct	0.71	Goshen	McNab/Braeside	2343	50	Collector
52	Burnstown Rd	Picket Hill Lane N Jct-to-2148 Burnstown Rd	1.29	Goshen	McNab/Braeside	2343	50	Collector
52	Burnstown Rd	2148 Burnstown Rd-to-2349 Burnstown Rd	1.07	Goshen	McNab/Braeside	2343	80	Collector
52	Burnstown Rd	2349 Burnstown Rd-to-Canaan Rd	1.65	Goshen	McNab/Braeside	2343	80	Collector
52	Burnstown Rd	Canaan Rd-to-Fraser Rd (McNab/Horton Line)	0.97	Goshen	McNab/Braeside	2343	80	Collector
52	Burnstown Rd	Cty Rd 2 (White Lake Rd)-to-Waba Cr Bdge W Exp Jnt	0.74	Goshen	McNab/Braeside	1077	50	Collector
52	Burnstown Rd	Fraser Rd (McNab/Horton Twp)-to-1.8km N of Fraser	1.80	Goshen	Horton	2959	80	Collector
52	Burnstown Rd	1.8km N of Fraser-to-Lime Kiln Rd	1.26	Goshen	Horton	2959	80	Collector
52	Burnstown Rd	Lime Kiln Rd-to-Pucker St	1.22	Goshen	Horton	5302	80	Arterial
52	Burnstown Rd	Pucker St-to-Graham Ave	0.62	Goshen	Horton	5302	60	Collector
52	Raglan St S	Graham Ave-to-Hwy 60 (Coubes St)	1.22	Goshen	Renfrew	5302	60	Collector
54	McLean Dr	Hwy 17-to-1887 McLean Dr	0.73	Goshen	McNab/Braeside	946	80	Collector
54	McLean Dr	Scheel Dr-to-Cty Rd 3 (Usborne St)	2.33	Goshen	McNab/Braeside	946	80	Collector
54	McLean Dr	1887 McLean Dr	0.65	Goshen	McNab/Braeside	946	80	Collector
54	McLean Dr	Libbys Rd-to-Scheel Dr	1.40	Goshen	McNab/Braeside	946	80	Collector
55	Paquette Rd	Cty Rd 51 (Petawawa Blvd)-to-Hwy 417	2.32	Whitewater	Petawawa	4551	80	Collector
56	Woito Station Rd	Cty Rd 14 (Witt Rd)-to-Alice Twp Dump (Gate 3)	1.30	Whitewater	Laurentian Valley	529	80	Local
56	Woito Station Rd	Alice Twp Dump (Gate 3)-to-B Line Rd	2.87	Whitewater	Laurentian Valley	529	80	Local
56	Woito Station Rd	B Line Rd-to-Hwy 41	2.38	Whitewater	Laurentian Valley	381	80	Local
58	Bruham Ave	TV Tower Rd-to-Lorne St East	0.98	Whitewater	Laurentian Valley	4488	50	Collector
58	Bruham Ave	Lorne St East-to-Boundary Rd	0.37	Whitewater	Laurentian Valley	4526	50	Collector
58	Round Lake Rd	Deer Trail Rd-to-Turners Rd	1.53	Whitewater	Killaloe Hagarty and Richards	1654	80	Collector
58	Round Lake Rd	Turners Rd-to-Bonnechere R Bdge W Exp Jnt	0.99	Whitewater	Killaloe Hagarty and Richards	1233	80	Collector
58	Round Lake Rd	Byers Creek Bdge S Exp Jnt-to-Round Lake CenterUrban Begins	1.09	Southwest	Killaloe Hagarty and Richards	777	80	Local
58	Round Lake Rd	Bonnechere R Bdge E Exp Jnt-to-Dunnes Bay Lane	1.11	Whitewater	Killaloe Hagarty and Richards	1233	80	Collector
58	Round Lake Rd	Dunnes Bay Lane-to-Red Rock Rd	2.95	Whitewater	Killaloe Hagarty and Richards	1233	80	Collector
58	Round Lake Rd	Red Rock Rd-to-Foy Park Corridor	1.09	Whitewater	Killaloe Hagarty and Richards	1233	80	Collector
58	Round Lake Rd	Round Lake Center S Boundary-to-Cty Rd 67 (Simpson Pit Rd)	0.20	Southwest	Killaloe Hagarty and Richards	777	50	Collector
58	Round Lake Rd	Cty Rd 67 (Simpson Pit Rd)-to-Round Lake Center N Boundary	0.54	Whitewater	Killaloe Hagarty and Richards	1654	50	Collector
58	Round Lake Rd	Round Lake Center N Boundary-to-Lakeview Dr West End	2.12	Whitewater	Killaloe Hagarty and Richards	1654	60	Collector
58	Round Lake Rd	Lakeview Dr West End-to-Sherwood River Bdge W Exp Jnt	1.33	Whitewater	Killaloe Hagarty and Richards	1654	80	Collector
58	Round Lake Rd	Sherwood River Bdge E Exp Jnt-to-Deer Trail Rd	1.33	Whitewater	Killaloe Hagarty and Richards	1654	80	Collector
58	Round Lake Rd	Foy Park Corridor-to-Laurentian Valley Boundary	4.59	Whitewater	Killaloe Hagarty and Richards	1321	80	Collector
58	Round Lake Rd	Laurentian Valley Bndry-to-C309 (Garipey Creek Culvert)	4.64	Whitewater	Laurentian Valley	1321	80	Collector
58	Round Lake Rd	Henan Road-to-Hwy 17	0.76	Whitewater	Laurentian Valley	2518	80	Collector
58	Round Lake Rd	Hwy 17-to-B Line Rd	1.26	Whitewater	Laurentian Valley	2556	80	Collector
58	Round Lake Rd	B Line Rd-to-TV Tower Rd	2.46	Whitewater	Laurentian Valley	3836	70	Collector
58	Round Lake Rd	Hwy 60-to-Mask Rd	2.42	Southwest	Killaloe Hagarty and Richards	973	80	Collector
58	Round Lake Rd	Mask Rd-to-800 Round Lake Road Sign	1.50	Southwest	Killaloe Hagarty and Richards	973	80	Collector
58	Round Lake Rd	800 Round Lake Road Sign-to-Long Meadows Rd	1.48	Southwest	Killaloe Hagarty and Richards	973	80	Collector

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Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
58	Round Lake Rd	Long Meadows Rd-to-Tramore Rd	1.03	Southwest	Killaloe Hagarty and Richards	973	80	Collector
58	Round Lake Rd	C309 (Gariepy Creek Culvert)-to-Pakotina Trail	3.45	Whitewater	Laurentian Valley	1321	80	Collector
58	Round Lake Rd	Pakotina Trail-to-8266 Round Lake Rd	1.68	Whitewater	Laurentian Valley	1321	80	Collector
58	Round Lake Rd	8266 Round Lake Rd-to-Kelly Lake Rd	1.40	Whitewater	Laurentian Valley	1321	80	Collector
58	Round Lake Rd	Kelly Lake Rd-to-Long Lake Rd	2.30	Whitewater	Laurentian Valley	1321	80	Collector
58	Round Lake Rd	Tramore Rd-to-1922 Round Lake Rd	2.93	Southwest	Killaloe Hagarty and Richards	777	80	Local
58	Round Lake Rd	1922 Round Lake Rd-to-John St North	1.06	Southwest	Killaloe Hagarty and Richards	777	80	Local
58	Round Lake Rd	John St North-to-Byers Creek Bdge N Exp Jnt	1.19	Southwest	Killaloe Hagarty and Richards	777	80	Local
58	Round Lake Rd	Long Lake Rd-to-Dabers Rd	2.00	Whitewater	Laurentian Valley	1984	80	Collector
58	Round Lake Rd	Dabers Rd-to-Bucholtz Rd	2.08	Whitewater	Laurentian Valley	1984	80	Collector
58	Round Lake Rd	Bucholtz Rd-to-Rahns Rd	2.22	Whitewater	Laurentian Valley	1984	80	Collector
58	Round Lake Rd	Rahns Rd-to-Cty Rd 26 (Doran Rd)	1.92	Whitewater	Laurentian Valley	2371	80	Collector
58	Round Lake Rd	Cty Rd 26 (Doran Rd)-to-Henan Road	2.02	Whitewater	Laurentian Valley	2518	80	Collector
61	Godfrey Rd	Haley Rd-to-Hwy 17	0.87	Cobden	Whitewater Region	678	80	Collector
61	Haley Rd	Orin Rd-to-Godfrey Rd	3.80	Cobden	Whitewater Region	1455	80	Collector
62	Bay St.	Barry's Bay South Limit-to-Hwy 60	0.42	Southwest	Madawaska Valley	3225	50	Collector
62	Combermere Rd	Chapeskie Rd-to-Kingdom Hall Rd	3.45	Southwest	Madawaska Valley	2110	80	Collector
62	Combermere Rd	Kingdom Hall Rd-to-County Picnic Area Rd	2.13	Southwest	Madawaska Valley	2110	80	Collector
62	Combermere Rd	Long Lake Rd-to-Chippewa Rd	1.67	Southwest	Madawaska Valley	2110	80	Collector
62	Combermere Rd	Chippewa Rd-to-Chapeskie Rd	2.86	Southwest	Madawaska Valley	2110	80	Collector
62	Combermere Rd	Hastings County Line-to-Combermere South Urban Lt.	1.76	Southwest	Madawaska Valley	1799	60	Collector
62	Combermere Rd	Cty Rd 515 (Palmer Rd)-to-Pine Cliff Rd	2.07	Southwest	Madawaska Valley	1810	80	Collector
62	Combermere Rd	Pine Cliff Rd-to-Long Lake Rd	2.06	Southwest	Madawaska Valley	1810	80	Collector
62	John St.	County Picnic Area Rd-to-Barry's Bay South Limit	1.76	Southwest	Madawaska Valley	2418	60	Collector
63	Anderson Rd	Cty Rd 508 (Calabogie Rd)-to-Hwy 17	1.52	Goshen	McNab/Braeside	409	80	Local
63	Flatt Rapids Rd	Cty Rd 45 (Russet Rd)-to-Mill Ridge Rd	1.51	Goshen	McNab/Braeside	839	80	Local
63	Flatt Rapids Rd	Mill Ridge Rd-to-Watts Line	2.10	Goshen	McNab/Braeside	839	60	Local
63	Flatt Rapids Rd	Watts Line-to-Stewartville Urban Begins	0.30	Goshen	McNab/Braeside	839	50	Local
63	Flatt Rapids Rd	Stewartville Urban Begins-to-Stewartville Urban Ends	0.32	Goshen	McNab/Braeside	839	50	Collector
63	Miller Rd	Hwy 17-to-Clifford Sideroad	2.89	Goshen	McNab/Braeside	260	80	Local
63	Miller Rd	Clifford Sideroad-to-Cty Rd 6 (Lochwinnoch Rd)	0.97	Goshen	McNab/Braeside	260	80	Local
63	Stewartville Rd	Flatt Rapids Rd-to-Maple Bend Rd	1.30	Goshen	McNab/Braeside	720	60	Local
63	Stewartville Rd	Maple Bend Rd-to-Cty Rd 508 (Calabogie Rd)	1.79	Goshen	McNab/Braeside	720	60	Local
64	Opeongo Rd	Wieland Shore Rd-to-Gierman Rd	2.56	Cobden	Bonnechere Valley	398	80	Local
64	Opeongo Rd	Gierman Rd-to-Sebastopol/Grattan Township Line	4.00	Cobden	Bonnechere Valley	398	80	Local
64	Opeongo Rd	Sebastopol/Grattan Township Line-to-Constant Lake Rd	1.63	Cobden	Bonnechere Valley	398	80	Local
64	Opeongo Rd	Cty Rd 512 (Foymount Rd)-to-Raddatz Rd	3.72	Cobden	Bonnechere Valley	304	80	Local
64	Opeongo Rd	Raddatz Rd-to-Lake Clear Rd	3.13	Cobden	Bonnechere Valley	304	80	Local
64	Opeongo Rd	Lake Clear Rd-to-Baptist Church Rd	1.64	Cobden	Bonnechere Valley	304	80	Local
64	Opeongo Rd	Baptist Church Rd-to-Wieland Shore Rd	2.50	Cobden	Bonnechere Valley	304	80	Local
64	Opeongo Rd	Constant Lake Rd-to-Hwy 41	5.33	Cobden	Bonnechere Valley	398	80	Local

10 Year Capital Plan 2023-2032

Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
65	Centennial Lake Rd	2872 Centennial Lake Rd-to-Black Donald Access Point	1.63	Goshen	Greater Madawaska	420	80	Local
65	Centennial Lake Rd	Matawatchan/Brougham Twp Line-to-2872 Centennial Lake Rd	2.26	Goshen	Greater Madawaska	420	80	Local
65	Centennial Lake Rd	4126 Centennial Lake Rd-to-Matawatchan/Brougham Twp Line	3.87	Goshen	Greater Madawaska	335	80	Local
65	Centennial Lake Rd	Morrow Lake Rd-to-4126 Centennial Lake Rd	1.72	Goshen	Greater Madawaska	335	80	Local
65	Centennial Lake Rd	Doyle Drive-to-Centennial Lake Bdge N Exp Jnt	1.55	Goshen	Greater Madawaska	335	80	Local
65	Centennial Lake Rd	Centennial Lake Bdge S Exp Jnt-to-Morrow Lake Rd	2.01	Goshen	Greater Madawaska	335	80	Local
65	Centennial Lake Rd	Matawatchan Rd-to-Doyle Drive	2.05	Goshen	Greater Madawaska	335	80	Local
65	Centennial Lake Rd	Chimo Rd North-to-Black Donald Rd	4.01	Goshen	Greater Madawaska	420	80	Local
65	Centennial Lake Rd	Black Donald Access Point-to-Deer Mountain Rd	4.29	Goshen	Greater Madawaska	420	80	Local
65	Centennial Lake Rd	Deer Mountain Rd-to-Chimo Rd North	4.10	Goshen	Greater Madawaska	420	80	Local
66	Opeongo Rd	Opeongo Rd N-to-Hopefield Rd	0.80	Southwest	Madawaska Valley	472	80	Local
66	Opeongo Rd	Hopefield Rd-to-Doyle Mountain Rd	1.81	Southwest	Brudenell Lyndoch & Raglan	472	80	Local
66	Opeongo Rd	Doyle Mountain Rd-to-Renfrew County Forest Entrance	2.85	Southwest	Brudenell Lyndoch & Raglan	472	80	Local
66	Opeongo Rd	Renfrew County Forest Entrance-to-Copp Rd	2.30	Southwest	Brudenell Lyndoch & Raglan	472	80	Local
66	Opeongo Rd	Copp Rd-to-Cty Rd 68 (Letterkenny Rd)	2.27	Southwest	Brudenell Lyndoch & Raglan	472	80	Local
66	Opeongo Rd	Cty Rd 68 (Letterkenny Rd)-to-Cty Rd 512 (Foymount Rd)	2.17	Southwest	Brudenell Lyndoch & Raglan	472	80	Local
66	Wilno South Rd	Hwy 60-to-Mountain View Rd	1.96	Southwest	Killaloe Hagarty and Richards	314	60	Local
66	Wilno South Rd	Mountain View Rd-to-Inukshuk Rd	0.97	Southwest	Killaloe Hagarty and Richards	314	80	Local
66	Wilno South Rd	Inukshuk Rd-to-Opeongo Rd N	2.40	Southwest	Madawaska Valley	314	80	Local
67	Simpson Pit Rd	Hwy 60-to-Scenic Rd	1.98	Southwest	Killaloe Hagarty and Richards	1080	80	Collector
67	Simpson Pit Rd	Scenic Rd-to-Mask Rd	2.00	Southwest	Killaloe Hagarty and Richards	1080	80	Collector
67	Simpson Pit Rd	Mask Rd-to-Byers Creek Rd	2.06	Southwest	Killaloe Hagarty and Richards	1080	80	Collector
67	Simpson Pit Rd	Byers Creek Rd-to-Buck Hill Rd	2.45	Southwest	Killaloe Hagarty and Richards	1080	80	Collector
67	Simpson Pit Rd	Buck Hill Rd-to-Cty Rd 58 (Round Lake Rd)	1.42	Southwest	Killaloe Hagarty and Richards	1080	80	Collector
68	Letterkenny Rd	Rockingham Rd-to-Cty Rd 66 (Opeongo Rd N)	5.00	Southwest	Brudenell Lyndoch & Raglan	318	80	Local
68	Rockingham Rd	Cty Rd 515 (Palmer Rd)-to-2356 Rockingham	3.56	Southwest	Madawaska Valley	425	80	Local
68	Rockingham Rd	2356 Rockingham-to-Diamond Lake Rd	3.02	Southwest	Madawaska Valley	425	80	Local
68	Rockingham Rd	Diamond Lake Rd-to-Dovetail Rd	3.63	Southwest	Madawaska Valley	425	80	Local
68	Rockingham Rd	Dovetail Rd-to-Guiney Rd	2.05	Southwest	Madawaska Valley	425	80	Local
68	Rockingham Rd	Guiney Rd-to-Letterkenny Rd	2.56	Southwest	Brudenell Lyndoch & Raglan	425	60	Local
69	Dunn St	Biernacki St-to-Wilno St	0.53	Southwest	Madawaska Valley	2229	40	Collector
69	Dunn St	Wilno St-to-Hwy 60	0.49	Southwest	Madawaska Valley	2640	50	Collector
69	Siberia Rd	End of HMA-to-Bark Lake Dam Rd	0.46	Southwest	Madawaska Valley	204	80	Local

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Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
69	Siberia Rd	Bark Lake Dam Rd-to-Sunny Hill Rd	2.45	Southwest	Madawaska Valley	204	80	Local
69	Siberia Rd	Sunny Hill Rd-to-Babinski Rd	1.72	Southwest	Madawaska Valley	204	80	Local
69	Siberia Rd	Babinski Rd-to-Pipedream Lane	2.04	Southwest	Madawaska Valley	204	80	Local
69	Siberia Rd	Pipedream Lane-to-Yakabuski Rd	1.36	Southwest	Madawaska Valley	204	80	Local
69	Siberia Rd	Yakabuski Rd-to-710 Siberia Rd	1.18	Southwest	Madawaska Valley	1113	80	Collector
69	Siberia Rd	710 Siberia Rd-to-Kartuzy Rd	1.01	Southwest	Madawaska Valley	1113	80	Collector
69	Siberia Rd	Kartuzy Rd-to-Trader Lane	1.46	Southwest	Madawaska Valley	1113	60	Collector
69	Siberia Rd	River Rd-to-End of HMA	1.45	Southwest	Madawaska Valley	204	80	Local
69	Siberia Rd	Trader Lane-to-Biernacki St	0.67	Southwest	Madawaska Valley	2229	50	Collector
70	Ruby Rd	Cty Rd 512 (Brudenell Rd)-to-Gorman Rd	4.28	Southwest	Bonnechere Valley	292	80	Local
70	Ruby Rd	Gorman Rd-to-Wolfe Rd	3.23	Southwest	Bonnechere Valley	292	80	Local
70	Ruby Rd	Golden Lake Bdge N Exp Jnt-to-Hwy 60	0.62	Southwest	Bonnechere Valley	1734	80	Collector
70	Ruby Rd	Hoffman Rd-to-Zadow Rd	2.07	Southwest	Bonnechere Valley	292	80	Local
70	Ruby Rd	Zadow Rd-to-Hoffman Rd	2.21	Southwest	Bonnechere Valley	292	80	Local
70	Ruby Rd	Hoffman Rd-to-Shingwak Inamo (Reserve Boundary)	0.94	Southwest	Bonnechere Valley	292	60	Local
70	Ruby Rd	Wolfe Rd-to-Hoffman Road	2.21	Southwest	Bonnechere Valley	292	80	Local
71	Matawatchan Rd	4877 Matawatchan Rd-to-Cty Rd 65	3.19	Goshen	Greater Madawaska	298	80	Local
71	Matawatchan Rd	Hwy 41-to-5655 Matawatchan Road	2.49	Goshen	Greater Madawaska	437	80	Local
71	Matawatchan Rd	5655 Matawatchan Rd-to-5266 Matawatchan Rd	1.89	Goshen	Greater Madawaska	437	80	Local
71	Matawatchan Rd	5266 Matawatchan Rd-to-4877 Matawatchan Rd	1.98	Goshen	Greater Madawaska	437	80	Local
72	Ridge Road	Champlain St-to-Deep River Road	0.17	Whitewater	Deep River	2219	40	Collector
72	Ridge Road	Hwy 17-to-Avon Road	0.30	Whitewater	Deep River	1983	40	Collector
72	Ridge Road	Avon Road-to-Dalton St	0.40	Whitewater	Deep River	2365	40	Collector
72	Ridge Road	Dalton St-to-Champlain St	0.63	Whitewater	Deep River	1746	40	Collector
73	Deep River Road	Huron St/Algonquin St-to-Champlain St	0.35	Whitewater	Deep River	5460	40	Collector
73	Deep River Road	Champlain St/ Glendale Ave-to-Ridge Road/Hillcrest Ave	0.19	Whitewater	Deep River	5460	40	Collector
73	Deep River Road	Hwy 17-to-Huron/Algonquin St	0.14	Whitewater	Deep River	3700	40	Collector
508	Black Donald Rd	Cty Rd 65 (Centennial Lake Rd)-to-Cty Rd 508 (Calabogie Rd)	0.75	Goshen	Greater Madawaska	512	60	Local
508	Calabogie Rd	Cty Rd 34 (Norton Rd)-to-Mill St	1.84	Goshen	Greater Madawaska	1815	60	Collector
508	Calabogie Rd	Goshen Rd-to-Nabarr Rd	1.50	Goshen	McNab/Braeside	1536	80	Collector
508	Calabogie Rd	Nabarr Rd-to-Cty Rd 63 (Stewartville Rd)	1.47	Goshen	McNab/Braeside	1536	80	Collector
508	Calabogie Rd	Cty Rd 63 (Stewartville Rd)-to-Hwy 17	1.39	Goshen	McNab/Braeside	1536	80	Collector
508	Calabogie Rd	Barrett Chute Rd-to-Cty Rd 34 (Norton Rd)	2.81	Goshen	Greater Madawaska	512	80	Local
508	Calabogie Rd	Riopelle Rd-to-Cty Rd 52 (Burnstown Rd)	1.38	Goshen	McNab/Braeside	2793	60	Collector
508	Calabogie Rd	Cty Rd 52 (Burnstown Rd)-to-Dickson Rd	1.56	Goshen	McNab/Braeside	1676	80	Collector
508	Calabogie Rd	Dickson Rd-to-Hutson Rd	1.32	Goshen	McNab/Braeside	1676	80	Collector
508	Calabogie Rd	Fraser Rd-to-Riopelle Rd	3.05	Goshen	Greater Madawaska	2793	80	Collector
508	Calabogie Rd	Norway Lake Rd-to-Brydges Rd	1.95	Goshen	Greater Madawaska	2308	80	Collector
508	Calabogie Rd	Brydges Rd-to-Fleming Rd	0.79	Goshen	Greater Madawaska	2308	80	Collector
508	Calabogie Rd	Fleming Rd-to-Fraser Rd	1.23	Goshen	Greater Madawaska	2793	80	Collector
508	Calabogie Rd	Cty Rd 511 (Lanark Rd)-to-Kubiseski Rd	1.41	Goshen	Greater Madawaska	2308	80	Collector
508	Calabogie Rd	Kubiseski Rd-to-Public Picnic Area N. Ent. (CA 4099)	1.53	Goshen	Greater Madawaska	2308	80	Collector
508	Calabogie Rd	Public Picnic Area N. Entrance-to-Norway Lake Rd	3.34	Goshen	Greater Madawaska	2308	80	Collector

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Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
508	Calabogie Rd	6761 Calabogie Road-to-Barrett Chute Road	3.70	Goshen	Greater Madawaska	512	80	Local
508	Calabogie Rd	Mill St-to-Cty Rd 511 (Lanark Rd)	1.94	Goshen	Greater Madawaska	1815	60	Collector
508	Calabogie Rd	Hutson Rd-to-Goshen Rd	1.40	Goshen	McNab/Braeside	1676	80	Collector
511	Lanark Road	Calabogie Bridge N Exp Jnt-to-K&P Trail	0.44	Goshen	Greater Madawaska	897	50	Collector
511	Lanark Road	K&P Trail-to-CR 508 (Calabogie Rd)	0.81	Goshen	Greater Madawaska	897	60	Collector
511	Lanark Road	Barryvale Rd-to-Grassy Bay Rd	2.21	Goshen	Greater Madawaska	897	80	Collector
511	Lanark Road	Grassy Bay Rd-to-Madawaska River Bridge S Jnt	1.05	Goshen	Greater Madawaska	897	60	Collector
511	Lanark Road	Madawaska River Bridge N Jnt-to-Calabogie Bridge S Exp. Jnt	0.19	Goshen	Greater Madawaska	897	50	Collector
511	Lanark Road	Dolans Lane-to-Frost Lane	1.41	Goshen	Greater Madawaska	640	80	Local
511	Lanark Road	Frost Lane-to-Stones Lake Rd	1.01	Goshen	Greater Madawaska	640	80	Local
511	Lanark Road	Stones Lake Rd-to-Barryvale Rd	1.06	Goshen	Greater Madawaska	640	80	Local
511	Lanark Road	Lanark/Renfrew County Line-to-Bagot Long Lake Rd	1.40	Goshen	Greater Madawaska	640	80	Local
511	Lanark Road	Bagot Long Lake Rd-to-Dolans Lane	2.62	Goshen	Greater Madawaska	640	80	Local
512	Brudenell Rd	Killaloe South Town Limit-to-Mountain View Rd	1.31	Southwest	Killaloe Hagarty and Richards	871	60	Local
512	Brudenell Rd	Mountain View Rd-to-Stack Rd	0.87	Southwest	Killaloe Hagarty and Richards	871	80	Local
512	Brudenell Rd	Stack Rd-to-Rochefort Rd	2.72	Southwest	Killaloe Hagarty and Richards	304	80	Local
512	Brudenell Rd	Rochefort Rd-to-Brudenell Waste Disposal Site	3.26	Southwest	Brudenell Lyndoch & Raglan	450	80	Local
512	Brudenell Rd	Brudenell Waste Disposal Site-to-Brudenell Village North Limit	2.50	Southwest	Brudenell Lyndoch & Raglan	723	80	Local
512	Brudenell Rd	Brudenell Village North Limit-to-Renfrew County Road 66	0.52	Southwest	Brudenell Lyndoch & Raglan	723	60	Local
512	Foymount Rd	B257-to-Lake Clear Rd	1.28	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	Lake Clear Rd-to-Buelow Rd	1.43	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	Buelow Rd-to-Verch Rd	1.99	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	Verch Rd-to-Miller Rd (Heidemans Lumber)	1.87	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	Hubers Rd-to-McCauley Mountain Rd	2.51	Southwest	Brudenell Lyndoch & Raglan	723	80	Local
512	Foymount Rd	McCauley Mountain Rd-to-Cty Rd 515 (Quadeville Rd)	0.74	Southwest	Bonnechere Valley	723	80	Local
512	Foymount Rd	Cty Rd 515 (Quadeville Rd)-to-Sebastopol Dr	0.97	Cobden	Bonnechere Valley	723	80	Local
512	Foymount Rd	Sebastopol Dr-to-Cty Rd 64 (Opeongo Rd)	0.88	Cobden	Bonnechere Valley	723	80	Local
512	Foymount Rd	Silver Lake Rd-to-Donegal Rd	2.45	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	Donegal Rd-to-Spring Creek Rd	1.25	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	Spring Creek Rd-to-Sand Rd	2.27	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	Sand Rd-to-HWY 41	1.65	Cobden	Bonnechere Valley	1904	60	Collector
512	Foymount Rd	Cty Rd 64 (Opeongo Rd)-to-McCauley Mountain Rd	2.44	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	McCauley Mountain Rd-to-B257	2.42	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	Miller Rd (Heidemans Lumber)-to-Silver Lake Rd	2.52	Cobden	Bonnechere Valley	1085	80	Collector
512	Foymount Rd	County Road 66-to-Brudenell East Limit	0.38	Southwest	Brudenell Lyndoch & Raglan	723	60	Collector
512	Foymount Rd	Brudenell Village East Limit-to-Lorwell Lake Drive	2.53	Southwest	Brudenell Lyndoch & Raglan	723	80	Collector
512	Foymount Rd	Lorwell Lake Drive-to-Hubers Rd	0.77	Southwest	Brudenell Lyndoch & Raglan	723	80	Local
512	Queens St	Hwy 60 (Killaloe Beginning)-to-Killaloe North Urban Limit	0.56	Southwest	Killaloe Hagarty and Richards	1745	40	Collector
512	Queens St	Killaloe North Urban Limit-to-Killaloe South Urban Limit	1.38	Southwest	Killaloe Hagarty and Richards	1745	40	Collector
512	Queens St	Killaloe South Urban Limit-to-Killaloe South Town Limit	1.22	Southwest	Killaloe Hagarty and Richards	871	40	Collector
514	Schutt Rd	Hwy 28-to-Genricks Rd	1.01	Southwest	Brudenell Lyndoch & Raglan	596	80	Local
514	Schutt Rd	Genricks Rd-to-Walters Rd	2.49	Southwest	Brudenell Lyndoch & Raglan	596	80	Local
514	Schutt Rd	Walters Rd-to-Moccasin Lake Rd	0.93	Southwest	Brudenell Lyndoch & Raglan	596	80	Local

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Road Sections

Road No.	Road Name	Section Description	Length (km)	Patrol	Municipality	AADT	Posted Speed km/h	TAC Design Class
514	Schutt Rd	Moccasin Lake Rd-to-Cedar Grove Rd	1.74	Southwest	Brudenell Lyndoch & Raglan	628	60	Local
514	Schutt Rd	Cedar Grove Rd-to-Raglan White Lake Rd	3.02	Southwest	Brudenell Lyndoch & Raglan	628	80	Local
514	Schutt Rd	Raglan White Lake Rd-to-Raglan Twp Dump Rd	3.10	Southwest	Brudenell Lyndoch & Raglan	628	80	Local
514	Schutt Rd	Raglan Twp Dump-to-Cty Rd 515 (Palmer Rd)	0.16	Southwest	Brudenell Lyndoch & Raglan	628	80	Local
515	Palmer Rd	Riverside Dr-to-McPhee Bay Rd	2.19	Southwest	Madawaska Valley	1099	80	Collector
515	Palmer Rd	McPhee Bay Rd-to-Finch Rd	2.07	Southwest	Madawaska Valley	1099	80	Collector
515	Palmer Rd	Finch Rd-to-Palmer Rapids Dam Rd	1.81	Southwest	Madawaska Valley	867	80	Local
515	Palmer Rd	Palmer Rapids S Urban Lmt-to-Palmer Rapids N Urban Lmt	0.55	Southwest	Brudenell Lyndoch & Raglan	867	50	Collector
515	Palmer Rd	Palmer Rapids N Urban Lmt-to-Cty Rd 514 (Schutt Road)	1.10	Southwest	Brudenell Lyndoch & Raglan	867	80	Local
515	Palmer Rd	Cty Rd 62 (Combermere Rd)-to-Riverside Dr	2.28	Southwest	Madawaska Valley	1099	80	Collector
515	Palmer Rd	Jewellville Bdge N Exp Jnt-to-Palmer Rapids S Urban Lmt	1.78	Southwest	Brudenell Lyndoch & Raglan	867	80	Local
515	Palmer Rd	Guiney Rd-to-Eneas Creek Rd	1.69	Southwest	Brudenell Lyndoch & Raglan	691	80	Local
515	Palmer Rd	Eneas Creek Rd-to-Quadeville W Urban Limit	3.25	Southwest	Brudenell Lyndoch & Raglan	691	80	Local
515	Palmer Rd	Latchford Bdge N Exp Jnt-to-Guiney Rd	2.33	Southwest	Brudenell Lyndoch & Raglan	691	80	Local
515	Palmer Rd	Palmer Rapids Dam Rd-to-Jewellville Bdge S Exp Jnt	1.26	Southwest	Brudenell Lyndoch & Raglan	867	80	Local
515	Palmer Rd	Cty Rd 514 (Schutt Rd)-to-Wingle	2.47	Southwest	Brudenell Lyndoch & Raglan	652	80	Local
515	Palmer Rd	Wingle Rd-to-Latchford Bdge S Exp Jnt	0.42	Southwest	Brudenell Lyndoch & Raglan	652	80	Local
515	Quadeville Rd	Quadeville W Urban Limit-to-Quadeville E Urban Limit	0.39	Southwest	Brudenell Lyndoch & Raglan	832	50	Collector
515	Quadeville Rd	Quadeville E Urban Limit-to-Jessup Rd	2.13	Southwest	Brudenell Lyndoch & Raglan	832	80	Collector
515	Quadeville Rd	Yukes Dr-to-Cty Rd 512 (Foymount Rd)	4.60	Southwest	Brudenell Lyndoch & Raglan	354	80	Local
515	Quadeville Rd	Jessup Rd-to-Kargus Rd	2.36	Southwest	Brudenell Lyndoch & Raglan	832	80	Local
515	Quadeville Rd	1400 Quadeville Rd-to-Yukes Dr.	2.24	Southwest	Brudenell Lyndoch & Raglan	354	80	Local
515	Quadeville Rd	Kargus Rd-to-Sacred Heart Rd	2.62	Southwest	Brudenell Lyndoch & Raglan	354	80	Local
515	Quadeville Rd	Sacred Heart Rd-to-1400 Quadeville Rd.	2.96	Southwest	Brudenell Lyndoch & Raglan	354	80	Local
517	Dafoe Rd	Radcliffe Twp (Coulas Rd)-to-CA 2049	1.00	Southwest	Madawaska Valley	285	60	Local
517	Dafoe Rd	CA 2049-to-Peplinskie Rd	1.20	Southwest	Madawaska Valley	285	60	Local
517	Dafoe Rd	Peplinskie Rd-to-Serran Rd	0.53	Southwest	Madawaska Valley	774	60	Local
517	Dafoe Rd	Raglan Twp Boundary West-to-Raglan Twp Boundary North	1.70	Southwest	Brudenell Lyndoch & Raglan	285	60	Local
517	Dafoe Rd	Serran Road - to - CA 2532	0.63	Southwest	Madawaska Valley	774	60	Local
517	Dafoe Rd	CA 2532-to-CA 2647	0.56	Southwest	Madawaska Valley	774	60	Local
517	Dafoe Rd	CA 2647-to-Lower Craigmont Rd	0.37	Southwest	Madawaska Valley	774	60	Local
517	Dafoe Rd	Lower Craigmont Rd-to-Cty Rd 62 (Combermere Rd)	1.66	Southwest	Madawaska Valley	774	50	Collector
635	Swisha Rd	Hwy 17-to-Interprovincial Bdge S Exp Jnt	2.58	Whitewater	Laurentian Hills	770	80	Local
653	Chenaux Rd	Hwy 17-to-Cty Rd 48 (Magnesium Rd)	0.53	Cobden	Whitewater Region	2113	80	Collector
653	Chenaux Rd	Cty Rd 48 (Magnesium Rd)-to-Camp Galilee Lane	0.67	Cobden	Whitewater Region	2113	80	Collector
653	Chenaux Rd	Camp Galilee Lane-to-Service Rd	1.75	Cobden	Whitewater Region	2431	80	Collector
653	Chenaux Rd	Kerr Line-to-County/Quebec Boundary	0.88	Cobden	Horton	2884	70	Collector
653	Chenaux Rd	Service Rd-to-Berts Rd	1.53	Cobden	Whitewater Region	2431	80	Collector
653	Chenaux Rd	Berts Rd-to-Queens Line	1.51	Cobden	Whitewater Region	2884	80	Collector
653	Chenaux Rd	Queens Line-to-Kerr Line Rd	1.45	Cobden	Whitewater Region	2884	80	Collector

County of Renfrew
Public Works and Engineering

**County Road 2 (White Lake Road)
100 metres west of Civic Address 2493**

Site Code:
Station ID:
County Road 2 (White Lake Road)
100 metres west of civic address 2493
Latitude: 0' 0.0000 Undefined

Radar Operational Speed Study

Direction 1, Direction 2

Start Time	1	41	51	61	71	81	91	101	111	121	131	141	151	Total
Time	40	50	60	70	80	90	100	110	120	130	140	150	999	
08-31-21	*	*	*	*	*	*	*	*	*	*	*	*	*	*
01:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
02:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
03:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
04:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
05:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
06:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
07:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
08:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
09:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	0	0	1	21	67	19	1	0	0	0	0	0	0	109
12 PM	0	0	0	19	52	26	2	0	0	0	0	0	0	99
13:00	0	0	2	13	50	29	7	0	0	0	0	0	0	101
14:00	0	0	1	14	77	25	3	0	0	0	0	0	0	120
15:00	0	0	3	26	52	16	6	0	0	0	0	0	0	103
16:00	0	2	4	16	81	29	4	0	0	0	0	0	0	136
17:00	0	0	1	6	66	40	7	0	0	0	0	0	0	120
18:00	0	0	2	8	30	23	4	0	0	0	0	0	0	67
19:00	0	0	2	9	22	19	5	1	0	0	0	0	0	58
20:00	0	1	0	11	16	3	0	0	0	0	0	0	0	31
21:00	0	0	0	5	15	5	2	0	0	0	0	0	0	27
22:00	0	0	0	0	8	4	3	1	0	0	0	0	0	16
23:00	0	0	0	1	0	1	0	0	0	0	0	0	0	2
Total	0	3	16	149	536	239	44	2	0	0	0	0	0	989
Percent	0.0%	0.3%	1.6%	15.1%	54.2%	24.2%	4.4%	0.2%	0.0%	0.0%	0.0%	0.0%	0.0%	

**County Road 2 (White Lake Road)
100 metres west of Civic Address 2493**

Site Code:
Station ID:
County Road 2 (White Lake Road)
100 metres west of civic address 2493
Latitude: 0' 0.0000 Undefined

Radar Operational Speed Study

Direction 1, Direction 2

Start Time	1	41	51	61	71	81	91	101	111	121	131	141	151	Total
	40	50	60	70	80	90	100	110	120	130	140	150	999	
09-01-21	0	0	2	0	1	0	0	0	0	0	0	0	0	3
01:00	0	0	0	1	0	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	2	0	0	0	0	0	0	0	0	2
04:00	0	0	0	2	4	1	0	0	0	0	0	0	0	7
05:00	0	0	0	1	10	10	1	0	0	0	0	0	0	22
06:00	0	0	0	6	19	13	3	3	0	0	0	0	0	44
07:00	0	2	5	14	27	14	7	0	0	0	0	0	0	69
08:00	0	0	1	10	57	11	3	0	0	0	0	0	0	82
09:00	0	0	1	16	53	12	2	1	0	0	0	0	0	85
10:00	0	0	0	22	62	16	3	1	0	0	0	0	0	104
11:00	0	0	2	23	68	13	1	0	0	0	0	0	0	107
12 PM	4	1	0	17	57	20	5	0	0	0	0	0	0	104
13:00	0	0	6	12	64	23	4	0	0	0	0	0	0	109
14:00	0	0	4	17	59	16	1	0	0	0	0	0	0	97
15:00	0	0	0	15	60	26	5	0	0	0	0	0	0	106
16:00	0	1	3	13	86	32	10	0	1	0	0	0	0	146
17:00	0	0	3	12	56	30	7	2	1	0	0	0	0	111
18:00	0	0	2	4	30	19	5	1	0	0	0	0	0	61
19:00	2	0	1	2	30	8	1	1	0	0	0	0	0	45
20:00	0	0	2	5	24	14	4	0	0	0	0	0	0	49
21:00	0	0	0	5	19	11	2	3	0	0	0	0	0	40
22:00	0	0	0	3	6	7	0	1	0	0	0	0	0	17
23:00	0	0	0	0	2	2	1	0	0	0	0	0	0	5
Total	6	4	32	200	797	298	65	13	2	0	0	0	0	1417
Percent	0.4%	0.3%	2.3%	14.1%	56.2%	21.0%	4.6%	0.9%	0.1%	0.0%	0.0%	0.0%	0.0%	

**County Road 2 (White Lake Road)
100 metres west of Civic Address 2493**

Site Code:
Station ID:
County Road 2 (White Lake Road)
100 metres west of civic address 2493
Latitude: 0' 0.0000 Undefined

Radar Operational Speed Study

Direction 1, Direction 2

Start Time	1	41	51	61	71	81	91	101	111	121	131	141	151	Total
	40	50	60	70	80	90	100	110	120	130	140	150	999	
09-02-21	0	0	0	1	3	0	0	0	0	0	0	0	0	4
01:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	0	0	0	2	0	1	0	0	0	0	0	0	0	3
05:00	0	0	1	3	6	7	1	0	0	0	0	0	0	18
06:00	0	0	0	5	8	15	5	0	1	0	0	0	0	34
07:00	0	2	5	3	23	14	5	0	0	0	0	0	0	52
08:00	0	0	2	14	32	16	3	0	0	0	0	0	0	67
09:00	0	0	3	18	46	12	2	0	0	0	0	0	0	81
10:00	0	0	3	25	58	12	2	0	1	0	0	0	0	101
11:00	0	0	1	18	87	20	3	0	0	0	0	0	0	129
12 PM	0	3	2	18	70	18	3	0	0	0	0	0	0	114
13:00	0	1	1	24	57	16	3	0	0	0	0	0	0	102
14:00	0	0	2	11	68	17	4	0	0	0	0	0	0	102
15:00	0	0	3	19	78	17	5	1	0	0	0	0	0	123
16:00	0	1	1	20	70	43	5	0	0	0	0	0	0	140
17:00	0	0	0	1	58	29	9	0	0	0	0	0	0	97
18:00	0	1	1	2	39	29	4	0	1	0	0	0	0	77
19:00	0	0	1	10	32	20	6	1	0	0	0	0	0	70
20:00	0	0	1	9	14	5	2	0	0	0	0	0	0	31
21:00	0	2	1	6	9	11	2	1	0	0	0	0	0	32
22:00	0	0	0	1	3	3	2	0	0	0	0	0	0	9
23:00	0	0	0	5	3	1	1	1	0	0	0	0	0	11
Total	0	10	28	215	765	307	67	4	3	0	0	0	0	1399
Percent	0.0%	0.7%	2.0%	15.4%	54.7%	21.9%	4.8%	0.3%	0.2%	0.0%	0.0%	0.0%	0.0%	

**County Road 2 (White Lake Road)
100 metres west of Civic Address 2493**

Site Code:
Station ID:
County Road 2 (White Lake Road)
100 metres west of civic address 2493
Latitude: 0' 0.0000 Undefined

Radar Operational Speed Study

Direction 1, Direction 2

Start Time	1	41	51	61	71	81	91	101	111	121	131	141	151	Total
Time	40	50	60	70	80	90	100	110	120	130	140	150	999	
09-03-21	0	0	0	0	0	1	0	0	0	0	0	0	0	1
01:00	0	0	0	1	1	0	0	0	1	0	0	0	0	3
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
04:00	0	0	0	0	4	2	0	1	0	0	0	0	0	7
05:00	0	0	1	1	10	7	1	0	0	0	0	0	0	20
06:00	0	0	0	2	19	13	3	2	0	0	0	0	0	39
07:00	0	0	3	10	36	12	3	0	0	0	0	0	0	64
08:00	0	1	2	22	39	11	4	1	0	0	0	0	0	80
09:00	0	0	5	10	54	20	3	2	0	0	0	0	0	94
10:00	0	0	2	19	63	10	4	0	0	0	0	0	0	98
11:00	1	2	2	32	76	19	5	0	0	0	0	0	0	137
12 PM	0	0	3	15	76	26	7	0	0	0	0	0	0	127
13:00	0	0	1	19	80	37	4	0	0	0	0	0	0	141
14:00	0	0	0	11	87	37	4	0	0	0	0	0	0	139
15:00	0	0	0	29	66	40	2	0	0	0	0	0	0	137
16:00	0	0	2	13	76	45	11	0	0	0	0	0	0	147
17:00	0	0	0	10	70	51	2	0	0	0	0	0	0	133
18:00	1	0	0	15	47	30	13	3	0	0	0	0	0	109
19:00	0	0	3	9	45	16	2	2	0	0	0	0	0	77
20:00	0	2	0	5	18	16	9	2	0	0	0	0	0	52
21:00	0	0	0	2	10	9	1	1	0	0	0	0	0	23
22:00	0	0	0	3	2	3	3	0	1	0	0	0	0	12
23:00	0	0	0	1	4	3	0	0	0	0	0	0	0	8
Total	2	5	24	229	884	408	81	14	2	0	0	0	0	1649
Percent	0.1%	0.3%	1.5%	13.9%	53.6%	24.7%	4.9%	0.8%	0.1%	0.0%	0.0%	0.0%	0.0%	

**County Road 2 (White Lake Road)
100 metres west of Civic Address 2493**

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Latitude: 0' 0.0000 Undefined

Radar Operational Speed Study

Direction 1, Direction 2

Start Time	1	41	51	61	71	81	91	101	111	121	131	141	151	Total
	40	50	60	70	80	90	100	110	120	130	140	150	999	
09-04-21	0	0	0	2	3	1	0	0	0	0	0	0	0	6
01:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
02:00	0	0	0	0	1	0	0	0	0	0	0	0	0	1
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	0	0	0	1	1	0	0	0	0	0	0	0	0	2
05:00	0	0	0	0	1	2	0	0	0	0	0	0	0	3
06:00	0	0	0	1	1	2	0	0	0	0	0	0	0	4
07:00	0	0	0	5	15	2	1	0	0	0	0	0	0	23
08:00	0	0	0	9	29	14	6	0	0	0	0	0	0	58
09:00	3	0	0	10	42	28	4	0	0	0	0	0	0	87
10:00	0	0	2	12	79	40	4	1	0	0	0	0	0	138
11:00	0	0	3	18	80	34	7	2	0	0	0	0	0	144
12 PM	0	0	2	20	60	31	3	0	0	0	0	0	0	116
13:00	0	0	3	21	81	26	2	0	0	0	0	0	0	133
14:00	0	0	2	20	77	35	2	1	0	0	0	0	0	137
15:00	0	0	1	20	56	23	6	0	0	0	0	0	0	106
16:00	0	0	1	13	58	26	3	0	0	0	0	0	0	101
17:00	0	0	4	10	45	18	3	0	0	0	0	0	0	80
18:00	0	0	0	11	39	15	1	1	0	0	0	0	0	67
19:00	0	0	2	17	32	12	1	0	0	0	0	0	0	64
20:00	0	0	2	10	17	4	0	0	0	0	0	0	0	33
21:00	0	0	2	5	9	5	2	0	0	0	0	0	0	23
22:00	0	0	1	2	6	3	2	0	0	0	0	0	0	14
23:00	0	0	1	2	3	0	1	0	0	0	0	0	0	7
Total	3	0	26	209	735	322	48	5	0	0	0	0	0	1348
Percent	0.2%	0.0%	1.9%	15.5%	54.5%	23.9%	3.6%	0.4%	0.0%	0.0%	0.0%	0.0%	0.0%	

**County Road 2 (White Lake Road)
100 metres west of Civic Address 2493**

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100 metres west of civic address 2493
Latitude: 0' 0.0000 Undefined

Radar Operational Speed Study

Direction 1, Direction 2

Start Time	1	41	51	61	71	81	91	101	111	121	131	141	151	Total
	40	50	60	70	80	90	100	110	120	130	140	150	999	
09-05-21	0	0	0	3	5	1	1	0	0	0	0	0	0	10
01:00	0	0	0	0	1	0	1	0	0	0	0	0	0	2
02:00	0	0	0	0	0	0	0	0	0	0	0	0	0	0
03:00	0	0	0	0	0	1	0	0	0	0	0	0	0	1
04:00	0	0	0	0	2	0	0	0	0	0	0	0	0	2
05:00	0	0	0	6	9	2	1	0	0	0	0	0	0	18
06:00	0	0	0	4	12	1	0	0	0	0	0	0	0	17
07:00	0	1	1	2	10	0	0	0	0	0	0	0	0	14
08:00	0	0	0	4	15	4	0	0	0	0	0	0	0	23
09:00	0	0	0	8	37	21	4	0	0	0	0	0	0	70
10:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
11:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
12 PM	*	*	*	*	*	*	*	*	*	*	*	*	*	*
13:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
14:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
15:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
16:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
17:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
18:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
19:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
20:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
21:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
22:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
23:00	*	*	*	*	*	*	*	*	*	*	*	*	*	*
Total	0	1	1	27	91	30	7	0	0	0	0	0	0	157
Percent	0.0%	0.6%	0.6%	17.2%	58.0%	19.1%	4.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	
Grand Total	11	23	127	1029	3808	1604	312	38	7	0	0	0	0	6959

15th Percentile : 68 KPH
50th Percentile : 76 KPH
85th Percentile : 85 KPH
95th Percentile : 90 KPH

Stats Mean Speed(Average) : 77 KPH
15 KPH Pace Speed : 71-85 KPH
Number in Pace : 4610
Percent in Pace : 66.2%
Number of Vehicles > 80 KPH : 1961
Percent of Vehicles > 80 KPH : 28.2%



105 Elgin St. West
Arnprior, ON K7S 0A8

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December 23, 2022

Mr. Lee Perkins
Director of Public Works and Engineering
County of Renfrew
9 International Drive
Pembroke, ON K8A 6W5
VIA EMAIL: LPerkins@countyofrenfrew.on.ca

RE: Request for Cost Sharing – Intersection Realignment County Road 2
(Daniel Street South) at Edey Street/Galvin Street

Dear Mr. Perkins,

Please accept this letter as a follow up to the Town of Arnprior's written request made to the County of Renfrew on December 3rd, 2020, whereby we requested that the County of Renfrew participate in and contribute financially to an important infrastructure project along County Road #2 (Daniel Street South) in the Town of Arnprior. This proposed project will see the intersection of County Road #2 and Edey Street be realigned towards the north to allow for the inclusion of Galvin Street within the signalized intersection in an effort to improve the safety and operational efficiency of this intersection and also accommodate additional growth in the area.

As you will recall, in September of 2020 the Town of Arnprior commissioned Stantec Consulting to undertake a review of this intersection and provide options for its future configuration giving consideration for the development and growth of nearby developments including the Fairgrounds Subdivision. A total of five options were considered within the report, and with the support and concurrence of staff from both the Town of Arnprior and the County's Public Works and Engineering Department, the Council of the Town of Arnprior ultimately made the decision to proceed with Option 1, being the realignment of the intersection. The Town of Arnprior subsequently initiated the engineering and design assignment for this project in 2021 and is now nearing completion of the design in anticipation for construction to take place in the summer of 2023.

The current construction estimate for the intersection realignment project is \$1,384,804 (excluding HST). It should be noted that this current estimate does not include the required land acquisitions on Galvin Street and Edey Street and nearby replacement of large diameter culvert on Edey Street which will be funded directly by the Town of Arnprior. As outlined in the attached cost estimate, the County's portion of the project is currently estimated at \$684,356.96 (excluding HST) which was calculated based on a breakdown of works to be completed within the County's road allowance vs works within the Town's road allowance and gives consideration for jurisdiction and responsibilities as

outlined to the County of Renfrew's draft Cost Sharing with Local Municipalities policy as circulated to the Town of Arnprior in October 2021.

It is important to note that, in accordance with the Town of Arnprior's Development Charge (DC) Bylaw and Local Service Policy, the Town has identified this project as a DC eligible project. Therefore, the Town of Arnprior intends to fund 50% of our portion of the project through local development charges while the remaining 50% of our portion of the project is considered a benefit to the existing taxpayers and will be funded through local taxes. Please note however that the County of Renfrew's portion of the works are not eligible to be funded using the Town of Arnprior's development charges.

We respectfully request that the County of Renfrew provide written confirmation of their intent to participate in this important infrastructure project and agree to fund their portion of the works as outlined above. Following receipt of this confirmation, the Town of Arnprior would recommend that a formal cost sharing agreement be drafted for the two municipalities' consideration.

Lastly, we would like to take the opportunity to continue to advocate the need for the County of Renfrew to take a more proactive approach to planning for growth related projects along County roads to ensure the safety and operational efficiency of the County Road network. This project is one of many such upgrades which will need to be seriously considered at the County level in the years ahead and we encourage the County of Renfrew to continue to work collaboratively with their lower tier partners to ensure these projects are coordinated in a timely and efficient manner. With that said, we would like to commend the County of Renfrew on initiating a County-Wide Transportation Master Plan and are excited at the opportunity to work with the County on this important initiative over the next two years.

Should you have any questions or require any additional information pertaining to this request, please do not hesitate to contact me directly.

Yours truly,



John Steckly
General Manager, Operations
Town of Arnprior
jsteckly@arnprior.ca

Encl.

CC: Taylor Hanrath, Manager of Infrastructure, County of Renfrew

**OPINION OF PROBABLE COST
TOWN OF ARNPRIOR
Arnprior - Daniel, Edey Galvin Intersection Realignment**

TOWN PROJECT No.:

Jp2g Reference #21-1007E

ITEM No.	SPEC No.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
1.00 ROAD CONSTRUCTION						
1.01	201	Clearing & Grubbing	ls	1.0	\$10,000.00	\$10,000.00
1.02	206, 510 SPI-206-1	Earth Excavation (Grading)	m3	1,669.8	\$45.00	\$75,141.00
1.03	310, SPI-310-1	Road Surface Course 40mm Depth Superpave 12.5)	t	285.5	\$145.00	\$41,393.73
1.04	310, SPI-310-1	Road Asphaltic Base Course 50mm Depth (Superpave 12.5)	t	258.8	\$145.00	\$37,532.16
1.05	314	Granular "A" - Road (150mm)	t	395.2	\$28.00	\$11,065.82
1.06	314	Granular "B" Type II - Road (400mm)	t	966.1	\$22.00	\$21,253.41
1.07	311, SPI-311-1	Commercial Asphalt Entrance (Hot Mix HL 3 / Superpave 12.5 - 50mm Depth + 150mm Granular 'A')	m ² (P)	100.0	\$125.00	\$12,500.00
1.08	351, SPI-351-1	Concrete Sidewalk/Walkway (inc. Granular 'A' Base)	m ² (P)	535.0	\$130.00	\$69,550.00
1.09	351	Tactile Walking Surface Indicators for Sidewalk Ramps	sets	8.0	\$2,000.00	\$16,000.00
1.10	353, SPI-353-1	Concrete Curbs - All Types	m (P)	74.0	\$140.00	\$10,360.00
1.11	510	Saw Cutting of Asphalt / Concrete	m (P)	230.0	\$12.00	\$2,760.00
1.12	314, 510	Removal of Asphalt by dry grinding (Partial Depth) (Roadway)	m ² (P)	816.0	\$12.00	\$9,792.00
1.13	510, SPI-510-1	Removal of Asphalt (Full Depth) (Roadway)	m ² (P)	1,726.0	\$12.00	\$20,712.00
1.14	510, SPI-510-1	Removal of Asphalt (Full Depth) (Driveways)	m ² (P)	44.0	\$30.00	\$1,320.00
1.15	510	Removal of Curb (All Types)	m (P)	300.0	\$50.00	\$15,000.00
1.16	510	Removal of Concrete Sidewalk/Walkway (All Types)	m ² (P)	428.0	\$20.00	\$8,560.00
1.17	510	Remove Steel Beam Guiderail	m	16.0	\$125.00	\$2,000.00
1.18	510, 721	Single Rail Steel Beam Guiderail per OPSD 912.130	m	40.0	\$215.00	\$8,600.00
1.19	408, SPI-408-1	Adjust Storm MH, Storm CBMH, Sanitary MH, & catchbasin	ea.	8.0	\$1,000.00	\$8,000.00
1.20	441, SPI-441-1	Adjust Water Valve (All Sizes)	ea (P)	3.0	\$1,000.00	\$3,000.00
1.21		Tree Removal	ea (P)	12.0	\$1,000.00	\$12,000.00
1.22	710, SPI-710-1	Pavement Markings & Signs	l.s.	1.0	\$15,000.00	\$15,000.00
1.23	802, SPI-802-1	Topsoil - Imported (100mm Depth)	m ² (P)	1,000.0	\$15.00	\$15,000.00
1.24	803	Nursery Sod	m ² (P)	1,000.0	\$20.00	\$20,000.00
SP - Special Provisional Item, PROV - Provisional Item, (P) - Plan Quantity						
1.00 - SUBTOTAL						\$446,540.12

ITEM No.	SPEC No.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
2.00 STORM SEWERS AND APPURTENANCES						
2.01	510, SPI-510-3	Removal of Catchbasin's inc. leads	ea.	5.0	\$1,300.00	\$6,500.00
2.02	510, SPI-510-3	Removal of Storm Structure (inside Sidewalk)	ea.	1.0	\$1,300.00	\$1,300.00
2.03	407, SPI-407-1	New Catch Basin (inc. Frames & Grates & 200mmØ Lead)	ea.	4.0	\$5,000.00	\$20,000.00
2.04	407, SPI-407-1	New Twin Catch Basin (inc. Frames & Grates & 200mmØ Lead)	ea.	1.0	\$7,500.00	\$7,500.00
2.05	409, SPI-409-1	Closed Circuit Television Inspection of Storm Sewer (CB leads)	m	100.0	\$12.00	\$1,200.00

2.06	421	1600mm CSP Culvert Extension	m	5.0	\$800.00	\$4,000.00
2.07		Backfill Bank with SSM	t	250.0	\$25.00	\$6,250.00
SP - Special Provisional Item, PROV - Provisional Item, (P) - Plan Quantity						
2.00 - SUBTOTAL						\$46,750.00

ITEM No.	SPEC No.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
3.00 GENERAL ITEMS						
3.01	SP-GEN	Bonding and Insurance	l.s.	1	\$12,000.00	\$12,000.00
3.02	SP-GEN	Pre-Condition Survey	l.s.	1	\$8,500.00	\$8,500.00
3.03	706, SPI-TCP	Traffic Control Plan	l.s.	1	\$15,000.00	\$15,000.00
3.04	SPI-SPCP	Construction Site Pedestrian Control Plan	l.s.	1	\$8,500.00	\$8,500.00
3.05	805, SPI-805-1	Environmental Protection	l.s.	1	\$5,000.00	\$5,000.00
3.06	SP-GEN	Contract Administrator's Field Office	l.s.	1	\$10,000.00	\$10,000.00
SP - Special Provisional Item, PROV - Provisional Item, (P) - Plan Quantity						
3.00 - SUBTOTAL						\$59,000.00

ITEM No.	SPEC No.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
4.00 PROVISIONAL ITEMS						
4.01	310	Tack Coating (Application Rate 0.2kg/m ²)	m ² (P)	816.0	\$1.50	\$1,224.00
4.02	506,PROV	Dust Suppressants - Calcium Chloride Flake	kg	1,000.0	\$3.00	\$3,000.00
4.03	SPI-HYD	Hydrovac allowance	hr.	20.0	\$50.00	\$1,000.00
SP - Special Provisional Item, PROV - Provisional Item, (P) - Plan Quantity						
4.00 - SUBTOTAL						\$5,224.00

ITEM No.	SPEC No.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
5.00 UTILITIES ITEMS						
5.01		Adjust gas Valve	ea	2	\$500.00	\$1,000.00
5.02		Hydro One	ls	1	\$113,000.00	\$113,000.00
5.03		Cogeco	ls	1	\$25,000.00	\$25,000.00
5.04		Bell	ls	1	\$36,118.00	\$36,118.00
SP - Special Provisional Item, PROV - Provisional Item, (P) - Plan Quantity						
5.00 - SUBTOTAL						\$175,118.00

ITEM No.	SPEC No.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
6.00 TRAFFIC ITEMS						
6.01		Temporary Traffic Signals	ls	1	\$100,000.00	\$100,000.00
6.02		Final Traffic Signal installation	ls	1	\$145,000.00	\$145,000.00
SP - Special Provisional Item, PROV - Provisional Item, (P) - Plan Quantity						
6.00 - SUBTOTAL						\$245,000.00

ITEM No.	SPEC No.	DESCRIPTION	UNIT	QTY	UNIT PRICE	TOTAL
7.00	STREET LIGHTING ITEMS					

7.01		Streetlighting	ls	1	\$25,000.00	\$25,000.00
7.02						
7.03						
7.04						
7.05						
7.06						
SP - Special Provisional Item, PROV - Provisional Item, (P) - Plan Quantity						
7.00 - SUBTOTAL						\$25,000.00

OPINION OF PROBABLE COST

TOWN OF ARNPRIOR
Arnprior - Daniel, Edey Galvin Intersection Realignment

TOWN PROJECT No.:

SUMMARY

SECTION	DESCRIPTION	TOTAL AMOUNT
1.00	ROAD CONSTRUCTION	\$446,540.12
2.00	STORM SEWERS AND APPURTENANCES	\$46,750.00
3.00	GENERAL ITEMS	\$59,000.00
4.00	PROVISIONAL ITEMS	\$5,224.00
6.00	UTILITIES ITEMS	\$175,118.00
6.00	TRAFFIC ITEMS	\$245,000.00
7.00	STREET LIGHTING ITEMS	\$25,000.00
	SUB-TOTAL	\$1,002,632.12
	CONTINGENCY (20%)	\$200,526.42
	SUB-TOTAL	\$1,203,158.55
	HST 13%	\$156,410.61
	TOTAL AMOUNT	\$1,359,569.16

Note: In providing estimates of probable construction cost, the Client understands that the Consultant has no control over the cost or availability of labour, equipment or materials, or over market conditions or the Contractor's method of pricing, and that the Consultants's opinion of probable construction costs are made on the basis of the Consultants's professional judgement, current knowledge and past experience. The Consultant makes no warranty, express or implied, that the bids or the negotiated cost of the Work will not vary from the Consultant's opinion of probable construction cost. The provided Cost Estimate is an opinion of probable costs and not a guaranteed maximum price.

INFRASTRUCTURE DIVISION REPORT

Prepared By: Taylor Hanrath, Manager of Infrastructure

Prepared for: Operations Committee

January 9, 2023

INFORMATION**1. 2022 Projects: Lessard Bridges**

A 'Lessard Bridge' is a bridge which has a modular, or prefabricated, superstructure which was manufactured by 'Lessard Welding'. Each manufacturer has their own design and manufacturing process, making the look and assembly process of each manufacturer's modular superstructure unique. The prefabricated superstructure manufactured by Lessard Welding is a steel deck and girder bridge consisting of two 'halves' which are placed with each end on an abutment and fastened together down the middle of the bridge, there are pockets on each side for barrier installation. There are several County Structures which incorporate a modular superstructure, some of which are Lessard Bridges.

In 2022, the County of Renfrew budgeted for the refurbishment of three County Structures which have a Lessard Bridge deck in place – B056 (Colterman Bridge), B068 (Schimmins Creek Bridge), and B150 (Dam Lake Bridge). The refurbishments were undertaken by the County's day labour construction forces and included cleaning and recoating the bridge superstructures, as well as granular works and repairs on their substructures where warranted. In addition to having several other structures using Lessard Bridge decks, the County has typically kept a 50' Lessard Bridge deck in stock at our Patrol yards for use in emergency situations or for on-site detours for complex structure projects.

In 2014, the County had entered into an agreement with Gulick Forest Products (GFP), whereby GFP was permitted to install a 20' Lessard Bridge deck over B073 (Kargus Bridge) due to the existing wooden structure being in near failed state. The agreement required that 30 days notice be provided should GFP wish to remove their Lessard Bridge.

Prior to works on the 2022 budgeted Lessard structures commencing, Public Works staff were notified by GFP that they desired to remove their

Lessard Bridge on Kargus Road before the end of 2022. Staff had been monitoring the older wooden County Structure still in place under GFP's Lessard and were aware that the wooden bridge was in a failure state and not safe for use once GFP's Lessard was removed. As no budget was identified to purchase a new bridge deck, and time for manufacturing may have been tight, staff developed the below plan to incorporate Kargus Bridge into the planned refurbishments on other Lessard bridges using the 50' Lessard Bridge deck from inventory:

- Clean and paint 50' Lessard from inventory;
- Remove 60' Lessard at Dam Lake Bridge, temporarily place refurbished stock 50' Lessard;
- Clean and paint 60' Lessard from Dam Lake Bridge;
- Replace 60' Lessard at Dam Lake Bridge;
- Remove 50' Lessard from Colterman Bridge, rehab embankments, place refurbished stock 50' Lessard;
- Clean and paint 50' Lessard from Colterman Bridge;
- Remove 30' Lessard from Schimmins Creek Bridge, place granular, repair embankments, and place refurbished 50' Lessard originally from Colterman Bridge;
- Clean and paint 30' Lessard originally from Schimmins Creek Bridge; and,
- Remove 20' Lessard and wooden bridge from Kargus Bridge, place granular, repair embankments, and place refurbished 30' Lessard originally from Schimmins Creek Bridge.

As stated, the above required that the 50' Lessard Bridge deck previously kept in inventory be placed permanently. Staff tracked the overall budget balance from the original three planned structures, requested a quote for a new 50' Modular Bridge from Northern Mat and Bridge (new Lessard bridge deck distributor), and had found that there is budget remaining available for a new bridge deck to be kept in stock and available for use as and when needed. Northern Mat and Bridge provided a quote of \$136,977.40 for manufacture and delivery of a new 50' Lessard Bridge to the County's White Water Road Patrol yard. The below table shows a comparison of the 2022 budget and projected total costs:

Projects	Projected Costs	2022 Budget
B150	\$43,000	\$100,000
B056	\$25,000	\$100,000
B068	\$18,000	\$100,000
B073	\$18,000	\$0
New 50' Lessard for Inventory	\$140,000	\$0
TOTAL	\$244,000	\$300,000
Projected Variance	\$56,000	

Placement of this modular bridge is cost efficient and fast, as two sections are lifted into place with an excavator or similar equipment and fastened in place by staff. Quick placements like this are usually necessary on bridge placements where a detour is not a viable solution or in an emergency situation. As this style of modular bridge is the only one known on the market to be placed this quickly and is competitive in price for supply, staff recommended a non-competitive purchase per Section 22.1 (c) and (d) of the County of Renfrew Corporate Policy GA-01 – Procurement of Goods and Services.

In accordance with Policy GA-01, and under delegated authority granted under By-law 74-22 being a By-law to delegate authority for decisions to the Chief Administrative Officer in the event that Council finds itself, subject to Section 275 of the Municipal Act, 2001, as amended, regarding “Restricted Acts after Nomination Day”, this purchase resulting from a non-competitive purchase was approved by the Chief Administrative Officer.

BY-LAWS

2. County Road 63 (Anderson Road) Drainage Easement – Glasgow Ridge Subdivision

Recommendation: THAT the Operations Committee recommends to County Council that a By-law be passed to accept a drainage easement over Lot 41, in the geographic Township of McNab in the Township of McNab/Braeside on Draft Plan of Survey 49M-114, being a part of PIN 57336-0296 (LT) from 2849168 Ontario Incorporated.

Background

As a part of a proposed subdivision application review for the Glasgow Ridge Subdivision, located within Part of Lot 19, Concession 7, in the geographic Township of McNab, in the Township of McNab/Braeside, the County of Renfrew Public Works and Engineering Department identified a need for a drainage easement. The drainage easement will act to preserve a County Road drainage outlet and allow the County opportunity to provide comments and approval should changes be proposed in the future.

The drainage easement will be a blanket easement over the lands identified as Lot 41 on the attached subdivision draft survey plan.

Borden Ladner Gervais LLP, being the legal counsel for the developer, has drafted the easement documents in consultation with County staff, in order to meet the requirements of the subdivision conditions. The easement documents and Acknowledgment and Direction are attached as Appendix IN-I for signing by the Warden and Clerk upon approval of the By-law.

3. County Road 512 (Foymount Road) Road Widening

Recommendation: THAT the Operations Committee recommends to County Council that a By-law be passed to acquire the properties in the geographic Township of Sebastopol in the Township of Bonnechere Valley as described below; AND FURTHER THAT the properties described be dedicated as part of the public highway upon registration of the transfer documents:

- Part 3 on Plan 49R-20182 from Paul Cronk and Michelle Desmarais in the sum of One Thousand Six Hundred and Eighty Dollars and Thirty-Three Cents (\$1,680.33);
- Parts 1 and 2 on Plan 49R-20183 from David Hoey in the sum of One Thousand One Hundred and Eleven Dollars and Ninety-Nine Cents (\$1,111.99);
- Part 3 on Plan 49R-20183 from Michelle Jaenen and Alfred Moore in the sum of One Thousand and Thirty-Seven Dollars and Eighty-Five Cents (\$1,037.85);
- Parts 4, 5, 6, and 7 on Plan 49R-20183 from John and Donna Valiquette in the sum of One Thousand Four Hundred and Twenty-Three Dollars and Thirty-Four Cents (\$1,423.34);

- Parts 1, 2, and 3 on Plan 49R-20184 from Doug and Kelly Zadow in the sum of Eight Hundred and Eighty-Nine Dollars and Fifty-Nine Cents (\$889.59);
- Parts 1 and 2 on Plan 49R-20185 from Robert and Cecilia Buelow in the sum of Five Hundred and Sixty-Nine Dollars and Thirty-Three Cents (\$569.33);
- Parts 4 and 5 on Plan 49R-20185 from Michael Martin and Susie Gauthier in the sum of One Thousand Eight Hundred and Thirty-Three Dollars and Fifty-Four Cents (\$1,833.54);
- Parts 1, 2, and 3 on Plan 49R-20186 from Francis Kilby in the sum of Five Hundred Dollars (\$500.00);
- Parts 4, 5, 6, and 7 on Plan 49R-20186 from Mervin and Connie Gogolin in the sum of Two Thousand and One Dollars and Fifty-Seven Cents (\$2,001.57);
- Part 8 on Plan 49R-20186 from the Corporation of the Township of Bonnechere Valley in the sum of One Thousand Four Hundred and Seventeen Dollars (\$1,417.00);
- Parts 9 and 10 on Plan 49R-20186 from Robert and Christine Lee Peltzer for the sum of One Thousand Six Hundred and Twenty-Four Dollars (\$1,624.00);
- Part 1 on Plan 49R-20187 and Parts 1 and 2 on Plan 49R-20189 from Jennifer Murphy in the sum of One Dollar (\$1.00);
- Parts 1 and 2 on Plan 49R-20189 from Lavern Heideman & Son Limited in the sum of Five Hundred and Five Dollars and Fifty-Eight Cents (\$505.58);
- Parts 3, 4, 5, 6, and 7 on Plan 49R-20189 from Evan Harris and Lani Graham in the sum of Two Thousand Five Hundred and Ninety-Four Dollars and Sixty Cents (\$2,594.60);
- Part 8 on Plan 49R-20189 from Darren Dudgeon in the sum of Eight Hundred and Three Dollars and Nine Cents (\$803.09);
- Parts 9, 10, and 11 on Plan 49R-20189 from Barry (Donald) Greenslade for the sum of Three Thousand Eight Hundred and Fifteen Dollars and Thirty-Five Cents (\$3,815.35);
- Parts 1 and 2 on Plan 49R-20190 from Michael Nicholas in the sum of Seven Thousand and Five Dollars and Fifty-One Cents (\$7,005.51);
- Part 4 on Plan 49R-20191 from Clinton Stroud in the sum of Five Hundred Dollars (\$500.00);
- Parts 3, 4, and 5 on Plan 49R-20190, Parts 1 and 2 on Plan 49R-20191, and Parts 1, 2, 3, 4, 5, and 8 on Plan 49R-20198 from Barry, Daryl, Troy, Joshua, and Jason Verch in the sum of Ten Thousand Eight Hundred and Twenty-Three Dollars and Thirty-Three Cents (\$10,823.33);

- Parts 8 and 9 on Plan 49R-20190 from Elmer Plath in the sum of Seven Thousand Dollars (\$7,000.00);
- Part 10 on Plan 49R-20190 from Frank and Lynn Wynia for the sum of Four Thousand and Fifty-Two Dollars and Fifty-Seven Cents (\$4,052.57);
- Part 3 on Plan 49R-20191 from Albert and Wendy Katzberg in the sum of Five Thousand Nine Hundred and Thirty Dollars and Fifty-Nine Cents (\$5,930.59);
- Part 5 of Plan 49R-20191 from Evan and Karen Gamblin for the sum of Five Hundred and Forty-Four Dollars and Eighty-Seven Cents (\$544.87);
- Parts 1 and 2 on Plan 49R-20192 from Dwayne and Diane Heideman in the sum of Six Thousand Five Hundred and Fifty-Five Dollars (\$6,555.00);
- Parts 1 and 2 on Plan 49R-20193 from Troy and Carla Verch in the sum of Six Thousand Nine Hundred and Nineteen Dollars and Two Cents (\$6,919.02);
- Parts 3, 4, and 5 on Plan 49R-20193 from Sandra Petraitis in the sum of Four Thousand Two Hundred Dollars and Eighty-Four Cents (\$4,200.84);
- Parts 1 and 2 on Plan 49R-20195 from Jason Verch for the sum of One Thousand and Forty-Five Dollars and Twenty-Seven Cents (\$1,045.27);
- Parts 3 and 4 on Plan 49R-20195 from Donald Axford in the sum of Five Hundred Dollars (\$500.00);
- Part 1 on Plan 49R-20196 from Heather Lambert for the sum of Five Hundred Dollars (\$500.00);
- Parts 2, 3, 4, 5, and 6 on Plan 49R-20196 from Ein and Wanda Neuman in the sum of Six Hundred and Twenty-Seven Dollars and Ninety Cents (\$627.90);
- Parts 3, 4, and 5 on Plan 49R-20197 from Steven Schruder in the sum of Six Hundred and Fifty Dollars (\$650.00);
- Parts 1, 6, 7, and 8 on Plan 49R-20197 from Jason Miller and Lindsay Leclair in the sum of One Thousand and Eighty-One Dollars and Eight Cents (\$1,081.08);
- Parts 6 and 7 on Plan 49R-20198 from Whispering Pines Resort (Barry Verch, Elmer Plath, and Marilyn Schooley) in the sum of Six Thousand Four Hundred and Forty-Nine Dollars and Fifty-Two Cents (\$6,449.52);
- Parts 10 and 11 on Plan 49R-20198 from Sandra, Monique, Stephen, and Timothy Gillis in the sum of Two Thousand Eight Hundred and Eighty Dollars (\$2,880.00); and,
- Part 3 on Plan 49R-20199 from Ana Martins in the sum of Nine Hundred and Ninety-Two Dollars (\$992.00).

Background

In support of the reconstruction of County Road 512 (Foymount Road), the County has entered into Option to Purchase Agreements with many residents to widen the right-of-way. Some minor purchases may still occur in coming months; however, the bulk of the purchase agreements have been executed and the required legal surveys completed. The road widening lands to be transferred to the County are identified as Part of Lots 14, 15, 16, 17, 18 19, 20, 21, 22, 23, 24, 25, 26, 27, and 28 Concessions 13, and 14 in the geographic Township of Sebastopol in the Township of Bonnechere Valley.

A copy of the corresponding 49R Plans and a map showing the general location has been attached as Appendix IN-II.

COUNTY OF RENFREW

BY-LAW NUMBER

**A BY-LAW TO ENTER INTO A DRAINAGE EASEMENT AGREEMENT WITH
2849168 ONTARIO INCORPORATED**

WHEREAS Renfrew County Road 63 (Anderson Road) is under the jurisdiction of the Council of the Corporation of the County of Renfrew;

AND WHEREAS it is necessary to acquire a drainage easement over certain lands described as Part Lot 19, Concession 7, being Lot 41 on Survey 49M-114, being a part of PIN 57336-0296 (LT), (attached and to be deposited to the Land Registry Office), in the Geographic Township of McNab, in the Township of McNab/Braeside;

AND WHEREAS the above described lands are currently held under the title of 2849168 Ontario Incorporated;

NOW THEREFORE the Council of the Municipal Corporation of the County of Renfrew hereby enacts as follows:

1. THAT the Corporation of the County of Renfrew enter into an easement agreement with 2849168 Ontario Incorporated for the lands in Schedule "I" for the purpose of drainage, annexed hereto and forming a part hereof for the purpose of drainage.
2. THAT the terms of the easement be in accordance with Schedule "I" attached hereto and forming a part hereof.
3. THAT the Warden and Clerk be hereby empowered to do and execute all things, papers and documents necessary to the completion of said easement agreement and its registration on title.
4. THAT this By-law shall come into force and take effect upon the passing thereof.

READ a first time this 25th day of January, 2023.

READ a second time this 25th day of January, 2023.

READ a third time and finally passed this 25th day of January, 2023.

PETER EMON, WARDEN

CRAIG KELLEY, CLERK

ACKNOWLEDGEMENT AND DIRECTION
(Glasgow Ridge)

TO: Ashley Maksimovic

AND TO: All lawyers in the firm of **Borden Ladner Gervais LLP**

AND TO: Any and all designees of the above

RE: **2849168 Ontario Incorporated (“Transferor”) transfer to County of Renfrew (“Transferee”) of a permanent easement over lands legally described as LOT 41 ON PLAN 49M-114; TOWNSHIP OF MCNAB/BRAESIDE, being all of PIN 57336-0296(LT) (the “Land”)**

- I/we have reviewed the information set out in the attached “In Preparation” document(s) and that this information is accurate.
- You are authorized and directed to register electronically on my/our behalf the document(s) described in this Acknowledgment and Direction and the attached “Document Preparation Report(s)”, as well as any other document(s) required to complete the above-noted transaction;
- You are authorized and directed to insert any necessary missing information in the document(s) described in this Acknowledgment and Direction which is required to complete the transaction described above;
- The nature and effect of the electronic document(s) described in this Acknowledgment and Direction and the attached “Document Preparation Report(s)” has (have) been fully explained to me/us and I/we understand that I am a party/we are parties to and bound by the terms and provisions of this/these electronic document(s) to the same extent as if I/we had signed this (these) document(s);
- The undersigned hereby acknowledges that the attached electronic document includes a declaration given to the Ministry of Finance of Ontario that the undersigned will keep at our principal place of business in Ontario (or place of residence in Ontario as the case may be), such documents, records and accounts in such form and containing such information as will enable an accurate determination of the taxes payable under the *Land Transfer Tax Act*, R.S.O. 1990, c. L.6 (the “Act”) for a period of at least seven (7) years, and agrees that we will provide such documents, records and accounts to the Ministry of Finance upon request;
- I/We have read and considered the definition of a “foreign corporation”ⁱ, “foreign entity”ⁱⁱ, “foreign national”ⁱⁱⁱ, “specified region”^{iv}, “golden horseshoe”^v and “taxable trustee”^{vi} as set out in subsection 1(1) of the Act and declare that this is not a conveyance is not subject to additional tax as set out in subsection 2(2.1) of the Act because:
 - The transferee(s) is not a "foreign entity" or a "taxable trustee".
- I am/We are in fact the parties named in the electronic document(s) described in this Acknowledgment and Direction and the attached “Document Preparation Report(s)” and I/we have not misrepresented my/our identities to you;
- This Acknowledgment and Direction, to the extent signed and delivered by means of a facsimile machine or other form of electronic communication shall be treated in all manner and respects as an original document and shall be considered to have the same binding legal effect as if it were the original signed version thereof delivered in person; and

- **The County of Renfrew acknowledges that it is not being represented by Borden Ladner Gervais LLP in connection with this matter except solely for the registration of the Transfer Easement on title to the Land and that Borden Ladner Gervais LLP is representing the Corporation of the Township of McNab Braeside and that County of Renfrew has obtained its own independent legal advice.**

Description of Electronic Document

The Document described in this Acknowledgment and Direction is the document selected below which is attached hereto as the “In Preparation” document and is:

- A Transfer Easement of the Land described above.

DATED this _____ day of January 2023

COUNTY OF RENFREW

Per: _____
 Name: Peter Emon
 Title: Warden

Per: _____
 Name: Craig Kelley
 Title: CAO/Clerk

We have authority to bind the Corporation.

-
- ⁱ **“foreign corporation”** means
 1. A corporation that is not incorporated in Canada.
 2. A corporation, the shares of which are not listed on a stock exchange in Canada, that is incorporated in Canada and is controlled, directly or indirectly in any manner whatever, within the meaning of section 256 of the *Income Tax Act* (Canada), by one or more of the following:
 - i. A foreign national.
 - ii. A corporation that is not incorporated in Canada.
 - iii. A corporation that would, if each share of the corporation’s capital stock that is owned by a foreign national or by a corporation described in paragraph 1 were owned by a particular person, be controlled, directly or indirectly in any manner whatever, within the meaning of section 256 of the *Income Tax Act* (Canada), by the particular person.
 - ⁱⁱ **“foreign entity”** means a foreign corporation or a foreign national.
 - ⁱⁱⁱ **“foreign national”** means an individual who is a foreign national as defined in subsection 2 (1) of the *Immigration and Refugee Protection Act* (Canada).
 - ^{iv} **“specified region”** means,
 - (a) the Greater Golden Horseshoe Region, except for any area of land in that Region that the Minister prescribes as excluded from the specified region; and
 - (b) any other areas of land that the Minister prescribes as included in the specified region.
 - ^v **“golden horseshoe”** means,
 1. City of Barrie.
 2. County of Brant.
 3. City of Brantford.
 4. County of Dufferin.
 5. Regional Municipality of Durham.
 6. City of Guelph.
 7. Haldimand County.
 8. Regional Municipality of Halton.
 9. City of Hamilton.
 10. City of Kawartha Lakes.
 11. Regional Municipality of Niagara.
 12. County of Northumberland.
 13. City of Orillia.
 14. Regional Municipality of Peel.
 15. City of Peterborough.
 16. County of Peterborough.
 17. County of Simcoe.
 18. City of Toronto.
 19. Regional Municipality of Waterloo.
 20. County of Wellington.
 21. Regional Municipality of York.

^{vi} “**taxable trustee**”, in relation to a conveyance of designated land, means a trustee of a trust with at least one trustee that is a foreign entity, or a trust with no foreign entity trustees if, immediately after the conveyance is tendered for registration, a beneficiary of the trust who is a foreign entity holds a beneficial interest in the designated land to which the conveyance relates, but does not include a trustee acting for the following types of trusts:

1. A mutual fund trust within the meaning of subsection 132 (6) of the *Income Tax Act* (Canada).
2. A real estate investment trust as defined in subsection 122.1 (1) of the *Income Tax Act* (Canada).
3. A SIFT trust as defined in subsection 122.1 (1) of the *Income Tax Act* (Canada).

Properties

PIN 57336 - 0296 LT Interest/Estate Easement Add Easement
 Description SERVIENT LANDS:
 LOT 41 ON PLAN 49M-114; TOWNSHIP OF MCNAB/BRAESIDE
 Address RENFREW

Consideration

Consideration \$2.00

Transferor(s)

The transferor(s) hereby transfers the easement to the transferee(s).

Name 2849168 ONTARIO INCORPORATED
 Acting as a company
 Address for Service 100 Citigate Drive
 Ottawa, ON
 K2J 6K7

A person or persons with authority to bind the corporation has/have consented to the registration of this document.
This document is not authorized under Power of Attorney by this party.

Transferee(s)	Capacity	Share
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Name	COUNTY OF RENFREW	
	Acting as a company	
Address for Service	9 International Drive	
	Pembroke, ON	
	K8A 6W5	

Statements

Schedule:

This document is being registered pursuant to Inhibiting Order RE306341 registered on 2022/11/30

Calculated Taxes

Provincial Land Transfer Tax	\$0.00
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File Number

Transferor Client File Number : 01417075

LAND TRANSFER TAX STATEMENTS

In the matter of the conveyance of: 57336 - 0296 SERVIENT LANDS:

LOT 41 ON PLAN 49M-114; TOWNSHIP OF MCNAB/BRAESIDE

BY: 2849168 ONTARIO INCORPORATED

TO: COUNTY OF RENFREW

1. PETER EMON, WARDEN AND CRAIG KELLEY, CAO/Clerk

I am

- (a) A person in trust for whom the land conveyed in the above-described conveyance is being conveyed;
- (b) A trustee named in the above-described conveyance to whom the land is being conveyed;
- (c) A transferee named in the above-described conveyance;
- (d) The authorized agent or solicitor acting in this transaction for COUNTY OF RENFREW described in paragraph(s) (c) above.
- (e) The President, Vice-President, Manager, Secretary, Director, or Treasurer authorized to act for _____ described in paragraph(s) () above.
- (f) A transferee described in paragraph () and am making these statements on my own behalf and on behalf of _____ who is my spouse described in paragraph () and as such, I have personal knowledge of the facts herein deposed to.

3. The total consideration for this transaction is allocated as follows:

(a) Monies paid or to be paid in cash	\$2.00
(b) Mortgages (i) assumed (show principal and interest to be credited against purchase price)	\$0.00
(ii) Given Back to Vendor	\$0.00
(c) Property transferred in exchange (detail below)	\$0.00
(d) Fair market value of the land(s)	\$0.00
(e) Liens, legacies, annuities and maintenance charges to which transfer is subject	\$0.00
(f) Other valuable consideration subject to land transfer tax (detail below)	\$0.00
(g) Value of land, building, fixtures and goodwill subject to land transfer tax (total of (a) to (f))	\$2.00
(h) VALUE OF ALL CHATTELS -items of tangible personal property	\$0.00
(i) Other considerations for transaction not included in (g) or (h) above	\$0.00
(j) Total consideration	\$2.00

4.

Explanation for nominal considerations:

- o) Transfer of easement or right of way for no consideration.

5. The land is not subject to an encumbrance

6. Other remarks and explanations, if necessary.

1. The information prescribed for purposes of section 5.0.1 of the Land Transfer Tax Act is not required to be provided for this conveyance.
2. The transferee(s) has read and considered the definitions of "designated land", "foreign corporation", "foreign entity", "foreign national", "Greater Golden Horseshoe Region", "specified region", "spouse" and "taxable trustee" as set out in subsection 1(1) of the Land Transfer Tax Act and O. Reg 182/17. The transferee(s) declare that this conveyance is not subject to additional tax as set out in subsection 2(2.1) of the Act because:
3. (c) The transferee(s) is not a "foreign entity" or a "taxable trustee".
4. The transferee(s) declare that they will keep at their place of residence in Ontario (or at their principal place of business in Ontario) such documents, records and accounts in such form and containing such information as will enable an accurate determination of the taxes payable under the Land Transfer Tax Act for a period of at least seven years.
5. The transferee(s) agree that they or the designated custodian will provide such documents, records and accounts in such form and containing such information as will enable an accurate determination of the taxes payable under the Land Transfer Tax Act, to the Ministry of Finance upon request.

PROPERTY Information Record

- A. Nature of Instrument: Transfer Easement
LRO 49 Registration No. Date:
- B. Property(s): PIN 57336 - 0296 Address RENFREW Assessment -
Roll No
- C. Address for Service: 9 International Drive
Pembroke, ON
K8A 6W5
- D. (i) Last Conveyance(s): PIN 57336 - 0296 Registration No.
(ii) Legal Description for Property Conveyed: Same as in last conveyance? Yes No Not known

STATEMENT 61**PERMANENT EASEMENT IN GROSS**

The Transferor grants, conveys and transfers to the Transferee, its successors and assigns, in perpetuity, but subject to all the terms and conditions hereinafter contained, the right and easement to enter on and construct, install, place, lay, erect, operate, maintain, inspect, alter, repair, replace, reconstruct and remove all such of its drainage works and equipment appurtenant thereto including all drains, culverts, fixtures and equipment as the Transferee may from time to time or at any time hereafter deem requisite (hereinafter called the "the Drainage Works"), in, over, along, across, upon and under the lands being in the Township of McNab/Braeside and legally described on Schedule "A" attached hereto and hereinafter called the "Easement Lands".

Together with the right to the Transferee, its servants, agents, contractors and sub-contractors to enter on and to pass and repass at any and all times from the date of acceptance of this easement, in, over, along and upon the Easement Lands of the Transferor with or without vehicles, supplies, machinery and equipment for all purposes necessary or convenient to the exercise and enjoyment of the rights and easement hereby granted.

The aforementioned rights and easement are herein granted on the following terms and conditions which are hereby mutually covenanted and agreed to by and between the Transferor and the Transferee:

1. The Transferor shall be responsible for any damage to the property of the Transferee on the Easement Lands, caused directly or indirectly by the acts or omissions of the Transferor or of persons acting under the authority of the Transferor.
2. Notwithstanding any rule of law or equity, the Drainage Works and all other equipment and appurtenances installed above, brought onto, laid on or erected upon, or buried in or under the Easement Lands by the Transferee shall at all times remain the property of the Transferee notwithstanding that the same may be annexed or affixed to the freehold and shall at any time and from time to time be removable in whole or in part by the Transferee or its successors and assigns.
3. Upon completion of any work on the Easement Lands or surrounding lands in relation to the aforesaid Drainage Works, the Transferee as far as possible shall at its expense restore the Easement Lands, including any surrounding lands.
4. The Transferor shall not cover over or otherwise interfere with the Drainage Works installed, and shall not alter the grade of the Easement Lands, and shall not excavate, drill, install, erect, build or permit to be excavated, drilled, installed, erected or built, on, in, over, through or under the Easement Lands any pit, well, building, structure or other obstruction of any nature without the prior written consent of the Transferee, but otherwise the Transferor shall have the right fully to use and enjoy the Easement Lands, subject always to and so as not to interfere with the rights and easement hereby granted to the Transferee.
5. The Transferor shall not interfere with the easement and shall not plant shrubs, trees or gardens on or through the Easement Lands or any obstruction of any nature or kind without the prior written consent of the Transferee.
6. The Transferee shall save harmless and indemnify the Transferor from and against causes of action, claims, demands, loss or costs that may be sustained or prosecuted against the Transferor by reason of the neglect or fault of the Transferee and persons for which it is responsible in law in the exercise of the rights herein granted to the Transferee.
7. The Transferee shall have the right and licence to trim, fell and remove trees and brush and to remove any concrete or asphalt or other surface or soil necessary and incidental to permit construction, installation, maintenance, alteration, repair, replacement and removal of, and access to, all or any part of the Drainage Works.
8. The Transferee shall be responsible for the maintenance of the Drainage Works in the Easement Lands.
9. It is understood and agreed that the Easement Lands may be used by other public utilities, municipal bodies or persons if granted an easement, license or lease by the Transferor. The Transferor retains the right to grant easements, licenses and leases on, over or under the Easement Lands to any person, public utility or municipal body it desires and under any terms and conditions it deems desirable; provided, however, that no such grant shall interfere with the prior rights conferred on the Transferee by this easement. Subject to the foregoing, the Transferee hereby consents to the granting by the Transferor of any such additional easement, license or lease. Prior to the commencement of construction or any other works being the subject matter of any additional or further easements or licenses, within the Easement Lands, the transferee of such further easements or licenses shall obtain the written consent to enter or

construct of the Transferee herein so as to ensure that no conflict will exist between the parties as regards the installation of the new work and the Drainage Works.

10. The rights and easements hereby granted are and shall be of the same force and effect to all intents and purposes as a covenant running with the Easement Lands and this transfer, including all the covenants and conditions herein contained, shall extend to, be binding upon and enure to the benefit of the heirs, executors, administrators, successors in title and assigns of the parties hereto respectively, and all covenants herein contained shall be construed to be several as well as joint, and wherever the singular or masculine is used, it shall be construed as if the plural or the feminine or the neuter, as the case may be, had been used where the context or the party or parties hereto so require, and the rest of the sentence shall be construed as if the grammatical and terminological changes thereby rendered necessary had been made.

PART OF PIN 57336-0296(LT)
SERVIENT LANDS:
LOT 41, 49M114 TOWNSHIP OF MCNAB/BRAESIDE

COUNTY OF RENFREW

BY-LAW NUMBER

A BY-LAW TO ACQUIRE LANDS ON COUNTY ROAD 512 (FOYMOUNT ROAD)

WHEREAS under Section 6(1) and Section 8 of the Municipal Act, S.O. 2001, c.25, as amended, a municipality may pass by-laws to acquire land;

AND WHEREAS under Section 5(3) of the Act, the County of Renfrew's capacity, rights, powers and privileges must be exercised by By-law;

AND WHEREAS under Section 31(6) of the Act, if a municipality acquires land for the purpose of widening a highway, the land acquired forms part of the highway to the extent of the designated widening;

NOW THEREFORE the Council of the Municipal Corporation of the County of Renfrew hereby enacts as follows:

1. THAT the Corporation of the County of Renfrew acquire lands as follows for the reconstruction of County Road 512 (Foymount Road):
 - Part 3 on Plan 49R-20182 from Paul Cronk and Michelle Desmarais in the sum of One Thousand Six Hundred and Eighty Dollars and Thirty-Three Cents (\$1,680.33);
 - Parts 1 and 2 on Plan 49R-20183 from David Hoey in the sum of One Thousand One Hundred and Eleven Dollars and Ninety-Nine Cents (\$1,111.99);
 - Part 3 on Plan 49R-20183 from Michelle Jaenen and Alfred Moore in the sum of One Thousand and Thirty-Seven Dollars and Eighty-Five Cents (\$1,037.85);
 - Parts 4, 5, 6, and 7 on Plan 49R-20183 from John and Donna Valiquette in the sum of One Thousand Four Hundred and Twenty-Three Dollars and Thirty-Four Cents (\$1,423.34);
 - Parts 1, 2, and 3 on Plan 49R-20184 from Doug and Kelly Zadow in the sum of Eight Hundred and Eighty-Nine Dollars and Fifty-Nine Cents (\$889.59);
 - Parts 1 and 2 on Plan 49R-20185 from Robert and Cecilia Buelow in the sum of Five Hundred and Sixty-Nine Dollars and Thirty-Three Cents (\$569.33);

- Parts 4 and 5 on Plan 49R-20185 from Michael Martin and Susie Gauthier in the sum of One Thousand Eight Hundred and Thirty-Three Dollars and Fifty-Four Cents (\$1,833.54);
- Parts 1, 2, and 3 on Plan 49R-20186 from Francis Kilby in the sum of Five Hundred Dollars (\$500.00);
- Parts 4, 5, 6, and 7 on Plan 49R-20186 from Mervin and Connie Gogolin in the sum of Two Thousand and One Dollars and Fifty-Seven Cents (\$2,001.57);
- Part 8 on Plan 49R-20186 from the Corporation of the Township of Bonnechere Valley in the sum of One Thousand Four Hundred and Seventeen Dollars (\$1,417.00);
- Parts 9 and 10 on Plan 49R-20186 from Robert and Christine Lee Peltzer for the sum of One Thousand Six Hundred and Twenty-Four Dollars (\$1,624.00);
- Part 1 on Plan 49R-20187 and Parts 1 and 2 on Plan 49R-20189 from Jennifer Murphy in the sum of One Dollar (\$1.00);
- Parts 1 and 2 on Plan 49R-20189 from Lavern Heideman & Son Limited in the sum of Five Hundred and Five Dollars and Fifty-Eight Cents (\$505.58);
- Parts 3, 4, 5, 6, and 7 on Plan 49R-20189 from Evan Harris and Lani Graham in the sum of Two Thousand Five Hundred and Ninety-Four Dollars and Sixty Cents (\$2,594.60);
- Part 8 on Plan 49R-20189 from Darren Dudgeon in the sum of Eight Hundred and Three Dollars and Nine Cents (\$803.09);
- Parts 9, 10, and 11 on Plan 49R-20189 from Barry (Donald) Greenslade for the sum of Three Thousand Eight Hundred and Fifteen Dollars and Thirty-Five Cents (\$3,815.35);
- Parts 1 and 2 on Plan 49R-20190 from Michael Nicholas in the sum of Seven Thousand and Five Dollars and Fifty-One Cents (\$7,005.51);
- Part 4 on Plan 49R-20191 from Clinton Stroud in the sum of Five Hundred Dollars (\$500.00);
- Parts 3, 4, and 5 on Plan 49R-20190, Parts 1 and 2 on Plan 49R-20191, and Parts 1, 2, 3, 4, 5, and 8 on Plan 49R-20198 from Barry, Daryl, Troy, Joshua, and Jason Verch in the sum of Ten Thousand Eight Hundred and Twenty-Three Dollars and Thirty-Three Cents (\$10,823.33);
- Parts 8 and 9 on Plan 49R-20190 from Elmer Plath in the sum of Seven Thousand Dollars (\$7,000.00);
- Part 10 on Plan 49R-20190 from Frank and Lynn Wynia for the sum of Four Thousand and Fifty-Two Dollars and Fifty-Seven Cents (\$4,052.57);

- Part 3 on Plan 49R-20191 from Albert and Wendy Katzberg in the sum of Five Thousand Nine Hundred and Thirty Dollars and Fifty-Nine Cents (\$5,930.59);
- Part 5 of Plan 49R-20191 from Evan and Karen Gamblin for the sum of Five Hundred and Forty-Four Dollars and Eighty-Seven Cents (\$544.87);
- Parts 1 and 2 on Plan 49R-20192 from Dwayne and Diane Heideman in the sum of Six Thousand Five Hundred and Fifty-Five Dollars (\$6,555.00);
- Parts 1 and 2 on Plan 49R-20193 from Troy and Carla Verch in the sum of Six Thousand Nine Hundred and Nineteen Dollars and Two Cents (\$6,919.02);
- Parts 3, 4, and 5 on Plan 49R-20193 from Sandra Petraitis in the sum of Four Thousand Two Hundred Dollars and Eighty-Four Cents (\$4,200.84);
- Parts 1 and 2 on Plan 49R-20195 from Jason Verch for the sum of One Thousand and Forty-Five Dollars and Twenty-Seven Cents (\$1,045.27);
- Parts 3 and 4 on Plan 49R-20195 from Donald Axford in the sum of Five Hundred Dollars (\$500.00);
- Part 1 on Plan 49R-20196 from Heather Lambert for the sum of Five Hundred Dollars (\$500.00);
- Parts 2, 3, 4, 5, and 6 on Plan 49R-20196 from Ein and Wanda Neuman in the sum of Six Hundred and Twenty-Seven Dollars and Ninety Cents (\$627.90);
- Parts 3, 4, and 5 on Plan 49R-20197 from Steven Schruder in the sum of Six Hundred and Fifty Dollars (\$650.00);
- Parts 1, 6, 7, and 8 on Plan 49R-20197 from Jason Miller and Lindsay Leclair in the sum of One Thousand and Eighty-One Dollars and Eight Cents (\$1,081.08);
- Parts 6 and 7 on Plan 49R-20198 from Whispering Pines Resort (Barry Verch, Elmer Plath, and Marilyn Schooley) in the sum of Six Thousand Four Hundred and Forty-Nine Dollars and Fifty-Two Cents (\$6,449.52);
- Parts 10 and 11 on Plan 49R-20198 from Sandra, Monique, Stephen, and Timothy Gillis in the sum of Two Thousand Eight Hundred and Eighty Dollars (\$2,880.00); and,
- Part 3 on Plan 49R-20199 from Ana Martins in the sum of Nine Hundred and Ninety-Two Dollars (\$992.00).

2. THAT the lands are hereby dedicated as part of the highway namely County Road 512 (Foymount Road) immediately upon registration of the transfer documents.
3. THAT this By-law shall come into force and take effect upon the passing thereof.

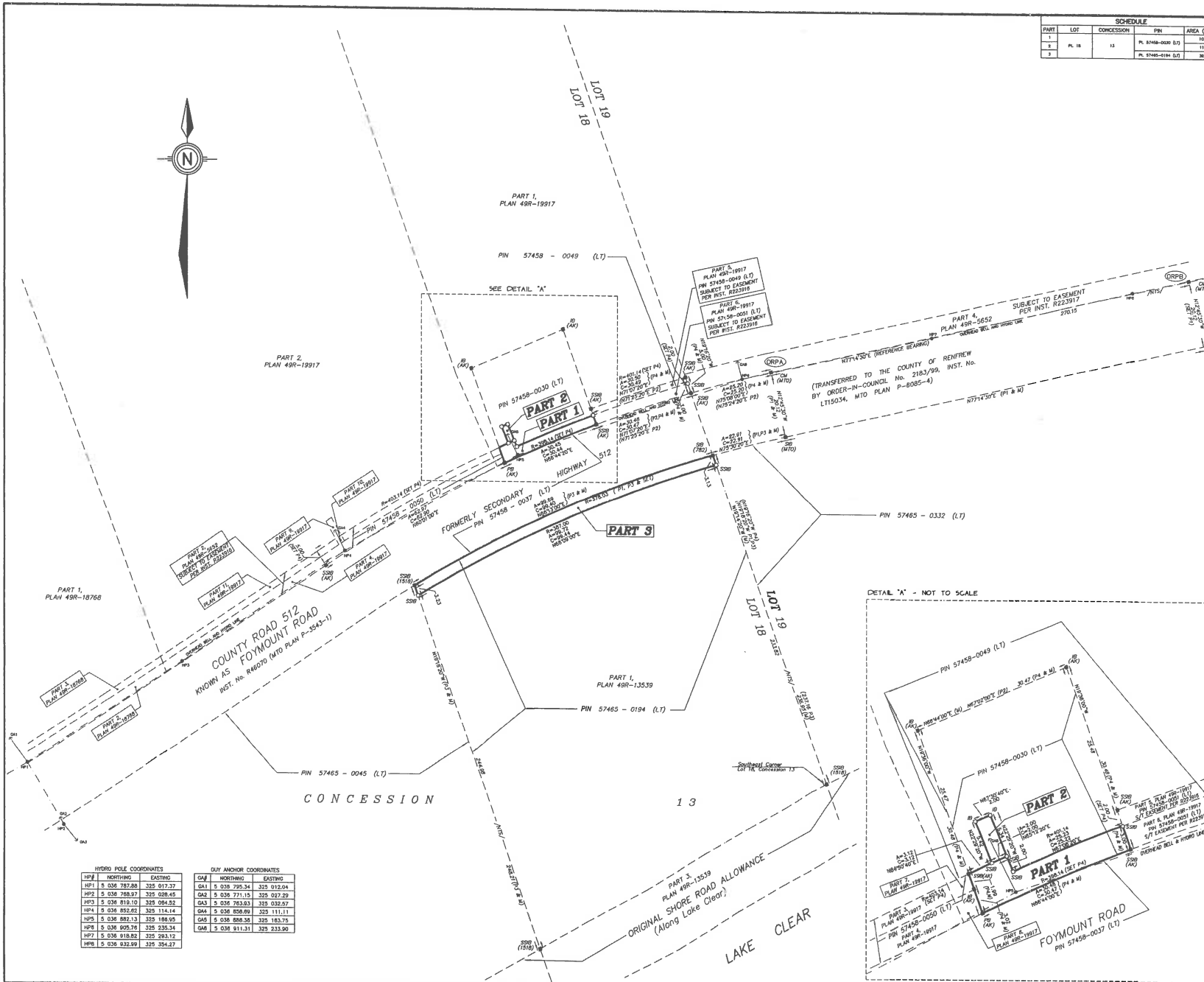
READ a first time this 25th day of January 2023.

READ a second time this 25th day of January 2023.

READ a third time and finally passed this 25th day of January 2023.

PETER EMON, WARDEN

CRAIG KELLEY, CLERK



SCHEDULE			
PART	LOT	CONCESSION	AREA (SQ.M.)
1			102
2	PL 18	13	11
3			281

PLAN 49R - 20182
 RECEIVED AND DEPOSITED
 October 12, 2022
 (Date)

Representative for LAND REGISTRAR for the LAND TITLES DIVISION OF RENFREW (No. 49)

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT
 DATE: OCTOBER 11, 2022
 SIMON KASPRZAK

PLAN OF SURVEY
 OF PART OF
LOT 18
CONCESSION 13
 GEOGRAPHIC TOWNSHIP OF SEBASTOPOL
 TOWNSHIP OF BONNECHERE VALLEY
 COUNTY OF RENFREW

SCALE 1 : 500
 ADAM KASPRZAK SURVEYING LTD.

BEARING NOTE:
 BEARINGS ARE UTM GRID DERIVED FROM SIMULTANEOUS GPS OBSERVATIONS ON MONUMENTS ORIP AND ORIP1. SHOWN HEREON HAVING A GRID BEARING OF N77°43'06" E, REFERRED TO THE CENTRAL MERIDIAN OF ZONE 18 (77 WEST LONGITUDE MARKS) (GCS(1210)).
 FOR BEARING COMPARISONS, THE ASTROMETRIC BEARINGS ON UNDERLYING PLANS WERE ROTATED AS FOLLOWS:
 P1,P2,P3 1°30'30" CLOCKWISE

METRIC NOTE:
 DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

DISTANCE NOTE:
 DISTANCES SHOWN ON THIS PLAN ARE CURVED DISTANCES AND CAN BE CONVERTED TO GRID DISTANCES BY MULTIPLYING BY A CORRECTED SCALE FACTOR OF 0.99994.

MONUMENT NOTE:
 SSB PLANTED DUE TO INSUFFICIENT OVERBURDEN, OR SURFSURFACE BEDROCK.

INTEGRATION DATA:

OBSERVED REFERENCE POINTS (ORP) DERIVED FROM SIMULTANEOUS GPS OBSERVATIONS USING THE PRECISE POINT POSITIONING (PPP) SERVICE, UTM ZONE 18 NORTH (GCS(1210)).

POINT ID	NORTHING	EASTING
ORP1	5 036 907.885	325 244.14
ORP2	5 036 907.520	325 207.50

COORDINATE VALUES TO 10-MILLIMETER ACCURACY PER SECTION 14 (2) OF O. REG. 116/70 AND CANNOT, IN THE FUTURE, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

- LEGEND**
- SB - IRON BAR
 - SBP - STANDOFF IRON BAR
 - SBP - SHORT STANDOFF IRON BAR
 - SBP - MONUMENT PLACED
 - SBP - IRON BAR
 - SBP - PLASTIC BAR
 - SBP - CONCRETE MONUMENT
 - SBP - FENCE
 - SBP - WIRELESS
 - SBP - MEASURED
 - SBP - ORIGIN UNKNOWN
 - SBP - MINISTRY OF TRANSPORTATION, ONTARIO
 - SBP - W.A. SHARP, O.L.S.
 - SBP - ADAM KASPRZAK SURVEYING LTD.
 - SBP - A.C. BOHNE, O.L.S.
 - SBP - PLAN 49R-1825
 - SBP - PLAN 49R-1353
 - SBP - PLAN 49R-1917
 - SBP - NOT TO SCALE
 - SBP - HYDRO POLE
 - SBP - 90° ANCHOR
 - SBP - ANCHOR POLE
 - SBP - RADUS, A - ARC, C - CHORD

SURVEYOR'S CERTIFICATE
 I CERTIFY THAT:
 1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE REGULATIONS UNDER THAT ACT AND THE REGULATIONS MADE UNDER THEREOF.
 2. THE SURVEY WAS COMPLETED ON THE 7th DAY OF JULY, 2022.
 DATE: OCTOBER 11, 2022

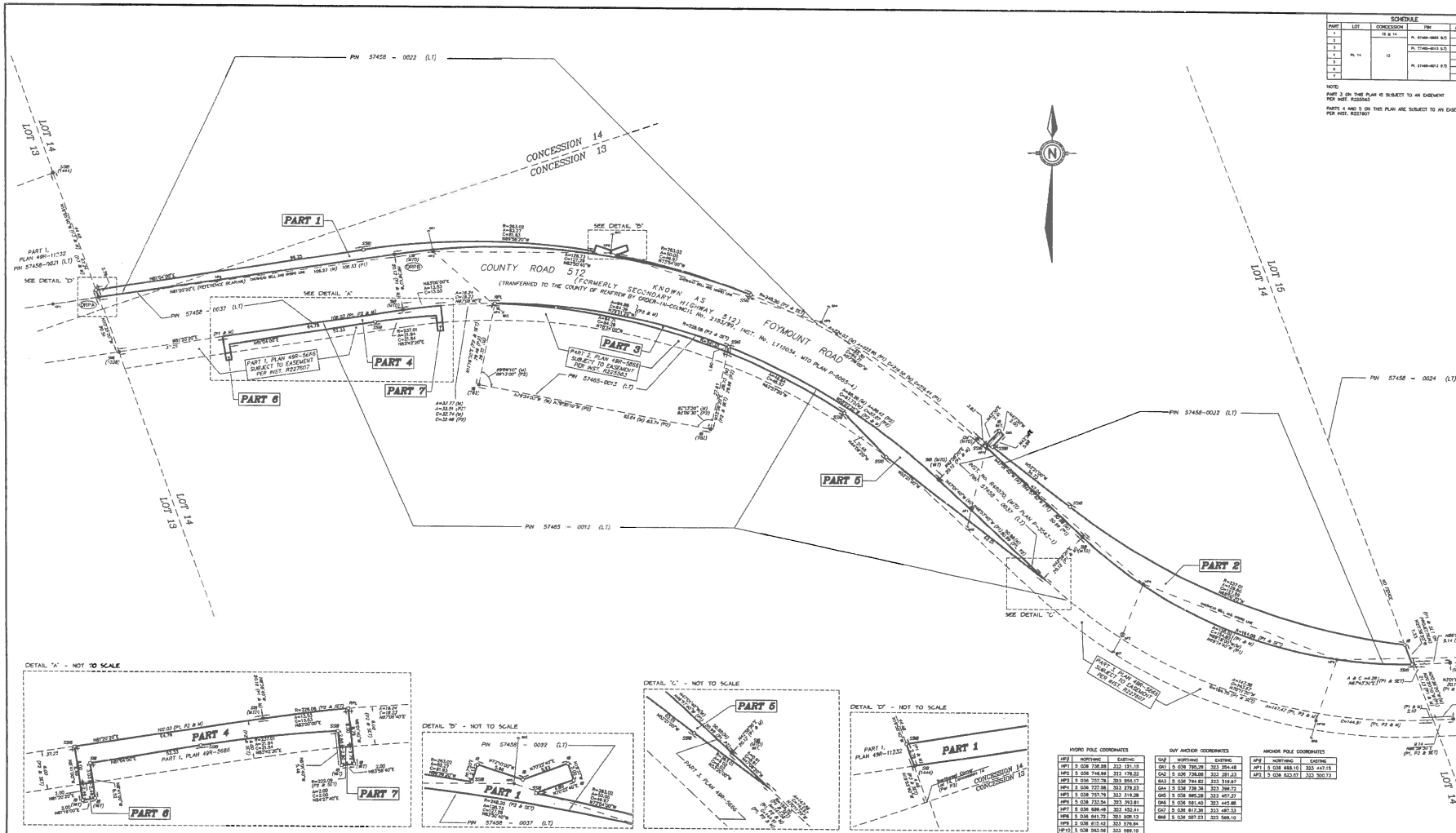
ADAM KASPRZAK
 ONSHORE SURVEYOR

THIS PLAN OF SURVEY RELATES TO A/S/L SUBMISSION FORM NUMBER V - 24586

AK ADAM KASPRZAK SURVEYING LTD.
 ONTARIO LAND SURVEYOR
 432 PELLERIN RD. ST. W., P.O. BOX 488
 PELLIERVILLE, ONTARIO L8A 6C7
 PHONE (855) 736-0784

SCALE: 1 : 500 REF: 22-5039
 FILE: 22-5039-E-41.dwg

HYDRO POLE COORDINATES			GUY ANCHOR COORDINATES		
HPI	NORTHING	EASTING	GA1	NORTHING	EASTING
HPI1	5 036 787.88	325 017.37	GA1	5 036 795.34	325 018.04
HPI2	5 036 788.97	325 028.45	GA2	5 036 771.15	325 027.29
HPI3	5 036 819.70	325 094.29	GA3	5 036 783.93	325 037.97
HPI4	5 036 832.61	325 114.14	GA4	5 036 828.89	325 111.11
HPI5	5 036 882.13	325 186.60	GA5	5 036 858.35	325 183.75
HPI6	5 036 905.74	325 235.34	GA6	5 036 811.31	325 233.90
HPI7	5 036 819.82	325 283.12			
HPI8	5 036 932.99	325 354.27			



SCHEDULE	
PART	CONCESSION
1	PL 14
2	PL 14
3	PL 14
4	PL 14
5	PL 14
6	PL 14
7	PL 14

PLAN 49R - 20183
October 18, 2022
Prepared for LAND REGISTER under the Land Titles Division of Renfrew (No. 49)

NOTE:
PART 3 ON THIS PLAN IS SUBJECT TO AN EASEMENT FOR ROAD RIGHTS.
PARTS 4 AND 6 ON THIS PLAN ARE SUBJECT TO AN EASEMENT FOR ROAD RIGHTS.

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT
DATE: OCTOBER 11, 2022
Adam Kasprzak
ADAM KASPRZAK SURVEYING LTD.

PLAN OF SURVEY OF PART OF LOT 14, CONCESSION 13 AND PART OF LOT 14, CONCESSION 14 GEOGRAPHIC TOWNSHIP OF SEBASTOPOL TOWNSHIP OF BONNECHERE VALLEY COUNTY OF RENFREW
SCALE 1 : 500

ADAM KASPRZAK SURVEYING LTD.
BEARING NOTE:
BEARINGS ARE THE OTHER BEARING FROM OBSERVATIONS OR BEARINGS ON ADJACENT LOTS AND ARE NOT TO BE USED TO CORRECT THE BEARINGS OF THIS PLAN. BEARINGS OF THIS PLAN ARE TO BE USED TO CORRECT THE BEARINGS OF ADJACENT LOTS.
THE BEARING CONVERSIONS TO DEGREES, MINUTES AND SECONDS ARE AS FOLLOWS:
01° 10' 00" = 1.666667°
02° 10' 00" = 2.166667°

METRIC NOTE:
DISTANCES AND COORDINATE VALUES ON THIS PLAN ARE IN METERS AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

DISTANCE NOTE:
DISTANCES ON THIS PLAN ARE ROUNDING UPWARDS BY ONE MILLIMETER TO PREVENT SHORTAGE OF DISTANCE BY CONSTRUCTION FACTOR OF 0.9999.

NOTE:
2022 PLANED DATE TO MORTGAGE DEPENDENT OR SUBSEQUENT RECORD.

INTEGRATION DATA:

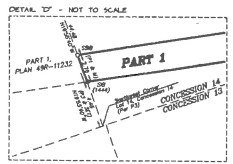
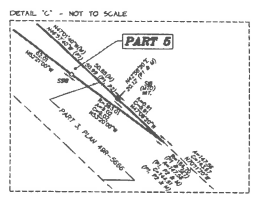
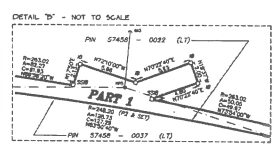
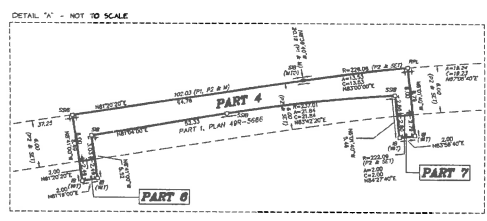
ORDERED REFERENCE POINTS (ORP) DERIVED FROM REAL-TIME KINEMATIC GPS COORDINATES USING REAL-TIME CORRECTED GPS (RTK)	POINT ID	NORTHING	EASTING
	ORP1	5 038 740.25	323 173.56
	ORP2	5 038 736.75	323 242.41

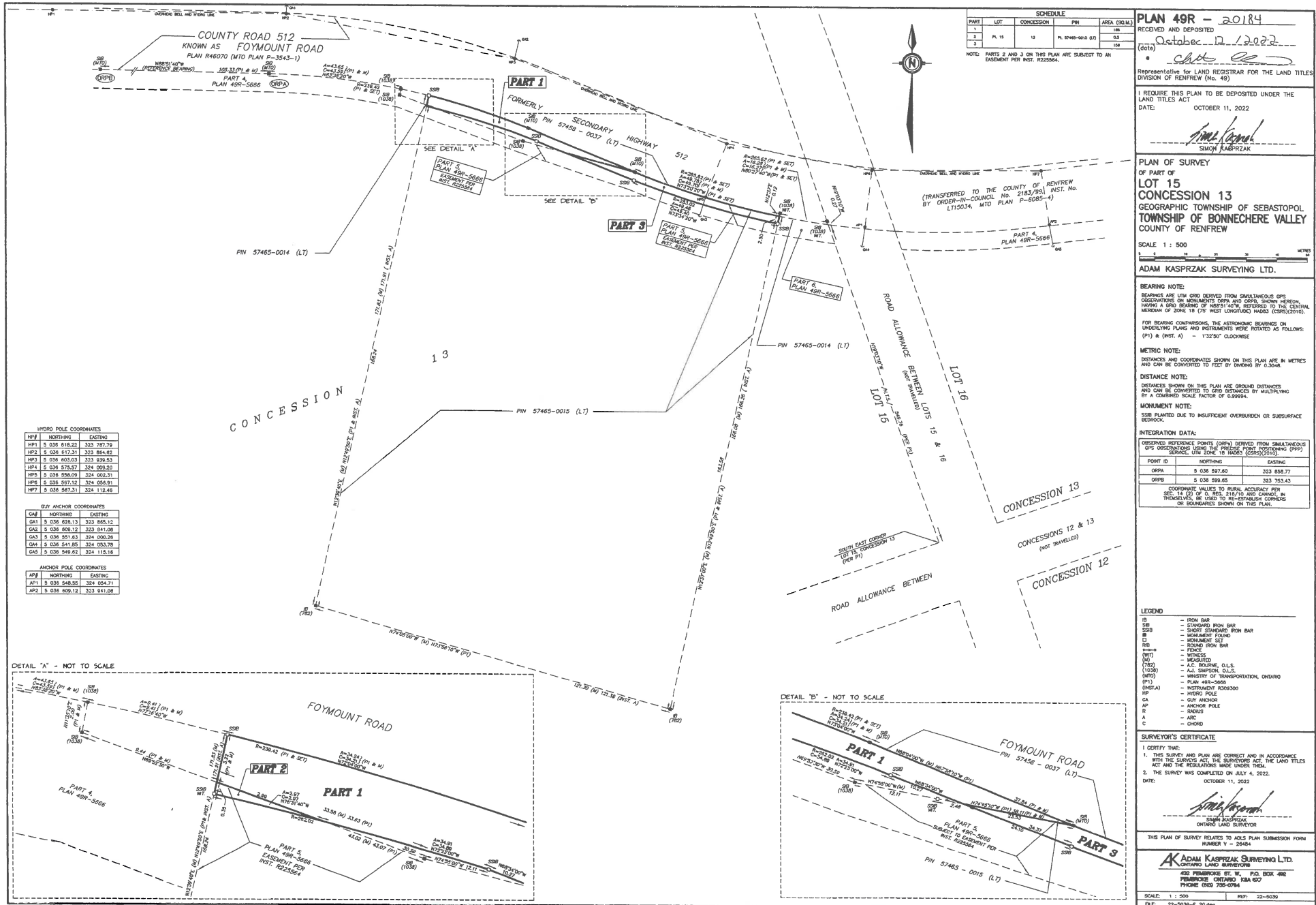
- LEGEND
- BB - BOUNDARY BEARING
 - DB - DISTANCE
 - CM - CURVED METRE
 - CB - CURVED BEARING
 - CD - CURVED DISTANCE
 - CF - CURVED FENCE
 - CP - CURVED POINT
 - CS - CURVED SURFACE
 - CT - CURVED TYPED
 - CU - CURVED UNDERLINE
 - CV - CURVED VERTICAL
 - CA - CURVED ANGLE
 - CB - CURVED BEARING
 - CD - CURVED DISTANCE
 - CE - CURVED ELEVATION
 - CF - CURVED FENCE
 - CG - CURVED GRADE
 - CH - CURVED HEIGHT
 - CI - CURVED INTERSECTION
 - CJ - CURVED JOINT
 - CK - CURVED KNOT
 - CL - CURVED LINES
 - CM - CURVED METRE
 - CN - CURVED NORTH
 - CO - CURVED OFFSET
 - CP - CURVED POINT
 - CQ - CURVED QUANTITY
 - CR - CURVED RADIUS
 - CS - CURVED SURFACE
 - CT - CURVED TYPED
 - CU - CURVED UNDERLINE
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 - CO - CURVED OFFSET
 - CP - CURVED POINT
 - CQ - CURVED QUANTITY
 - CR - CURVED RADIUS
 - CS - CURVED SURFACE
 - CT - CURVED TYPED
 - CU - CURVED UNDERLINE
 - CV - CURVED VERTICAL

SURVEYOR'S CERTIFICATE
I, ADAM KASPRZAK, SURVEYOR, DO HEREBY CERTIFY THAT I AM A LICENSED SURVEYOR IN THE PROVINCE OF ONTARIO AND THAT I AM A MEMBER OF THE SURVEYORS ASSOCIATION OF ONTARIO (SAO).
DATE: OCTOBER 11, 2022
Adam Kasprzak
ADAM KASPRZAK SURVEYING LTD.

THIS PLAN OF SURVEY RELATES TO A PLAN SUBMITTED FOR RECORD TO THE LAND TITLES DIVISION OF RENFREW UNDER THE LAND TITLES ACT AND THE REGISTRATION MADE UNDER THE LAND TITLES ACT. THE SURVEY WAS COMPLETED ON JULY 4, 2022.

HIGH POINT COORDINATES		GCP ANCHOR COORDINATES		ANCHOR POINT COORDINATES	
APP	NORTHING	EASTING	APP	NORTHING	EASTING
APP 1	5 038 738.88	323 171.17	APP 1	5 038 738.88	323 171.17
APP 2	5 038 740.80	323 176.33	APP 2	5 038 740.80	323 176.33
APP 3	5 038 737.79	323 205.07	APP 3	5 038 737.79	323 205.07
APP 4	5 038 737.84	323 179.25	APP 4	5 038 737.84	323 179.25
APP 5	5 038 737.79	323 218.26	APP 5	5 038 737.79	323 218.26
APP 6	5 038 737.84	323 204.81	APP 6	5 038 737.84	323 204.81
APP 7	5 038 740.49	323 192.41	APP 7	5 038 740.49	323 192.41
APP 8	5 038 740.72	323 198.33	APP 8	5 038 740.72	323 198.33
APP 9	5 038 737.43	323 178.61	APP 9	5 038 737.43	323 178.61
APP 10	5 038 740.54	323 198.13	APP 10	5 038 740.54	323 198.13





SCHEDULE			
PART	LOT	CONCESSION	AREA (SQ.M.)
1	15	13	108
2			63
3			108

PLAN 49R - 20184
 RECEIVED AND DEPOSITED
 October 12, 2022
 (5516)
 Representative for LAND REGISTRAR FOR THE LAND TITLES DIVISION OF RENFREW (No. 48)
 I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT
 DATE: OCTOBER 11, 2022
 Adam Kasprzak
 SIMON KASPRZAK

PLAN OF SURVEY
 OF PART OF
LOT 15
CONCESSION 13
 GEOGRAPHIC TOWNSHIP OF SEBASTOPOL
 TOWNSHIP OF BONNECHERE VALLEY
 COUNTY OF RENFREW
 SCALE 1: 500
 ADAM KASPRZAK SURVEYING LTD.

BEARING NOTE:
 BEARINGS ARE UTM GRID DERIVED FROM SIMULTANEOUS GPS OBSERVATIONS ON MINIMUMS DATA AND DATA SHOWN HEREIN, HAVING A GRID BEARING OF N85°14'07"W, REFERRED TO THE CENTRAL MERIDIAN OF ZONE 18 (70° WEST LONGITUDE) MAGNETIC (CONV2010).
 FOR BEARING COMPARISONS, THE AZIMUTHAL BEARINGS ON UNDERLYING PLANS AND INSTRUMENTS WERE ROTATED AS FOLLOWS:
 (P1) & (INST. A) - 1°32'00" CLOCKWISE

METRIC NOTE:
 DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

DISTANCE NOTE:
 DISTANCES SHOWN ON THIS PLAN ARE GROUND DISTANCES AND CAN BE CONVERTED TO GRID DISTANCES BY MULTIPLYING BY A COMBINED SCALE FACTOR OF 0.99994.

MONUMENT NOTE:
 SSB PLANTED DUE TO INSUFFICIENT OVERDRIVEN OR SUBSURFACE BEARINGS.

INTEGRATION DATA:

OBSERVED REFERENCE POINTS (ORP) DERIVED FROM SIMULTANEOUS GPS OBSERVATIONS USING THE PRECISE POINT POSITIONING (PPP) SERVICE, UTM ZONE 18 (70° WEST LONGITUDE).

POINT ID	NORTHING	EASTING
ORPA	5 036 597.60	323 858.77
ORPB	5 036 599.65	323 753.43

COORDINATE VALUES TO RURAL ACCURACY PER SEC. 11.02 OF O. REG. 215/10 AND CANADA IN TRUST TO BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

HYDRO POLE COORDINATES

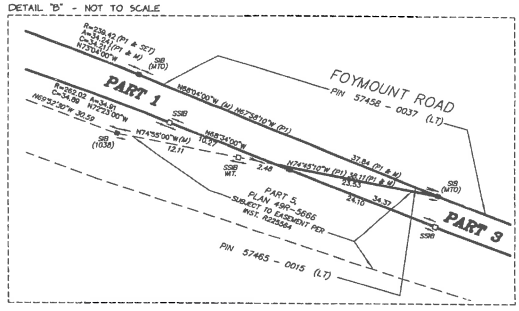
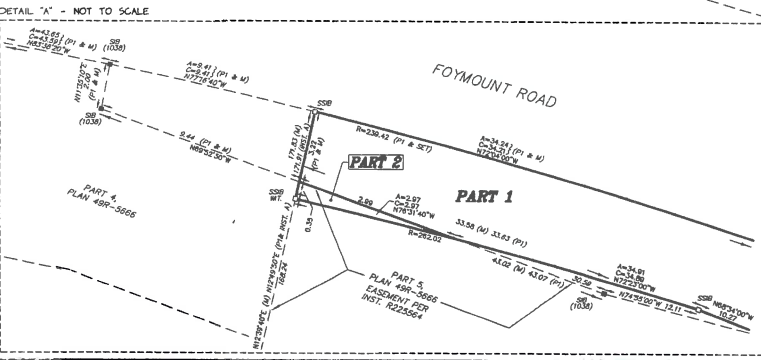
HP#	NORTHING	EASTING
HP1	5 036 618.22	323 787.79
HP2	5 036 613.31	323 804.42
HP3	5 036 603.03	323 839.53
HP4	5 036 578.57	324 009.20
HP5	5 036 558.09	324 003.31
HP6	5 036 567.12	324 056.91
HP7	5 036 587.31	324 112.48

GLY ANCHOR COORDINATES

GA#	NORTHING	EASTING
GA1	5 036 628.13	323 845.12
GA2	5 036 600.12	323 841.08
GA3	5 036 551.63	324 000.26
GA4	5 036 541.85	324 053.78
GA5	5 036 549.61	324 115.18

ANCHOR POLE COORDINATES

AP#	NORTHING	EASTING
AP1	5 036 548.85	324 024.71
AP2	5 036 609.12	323 841.08



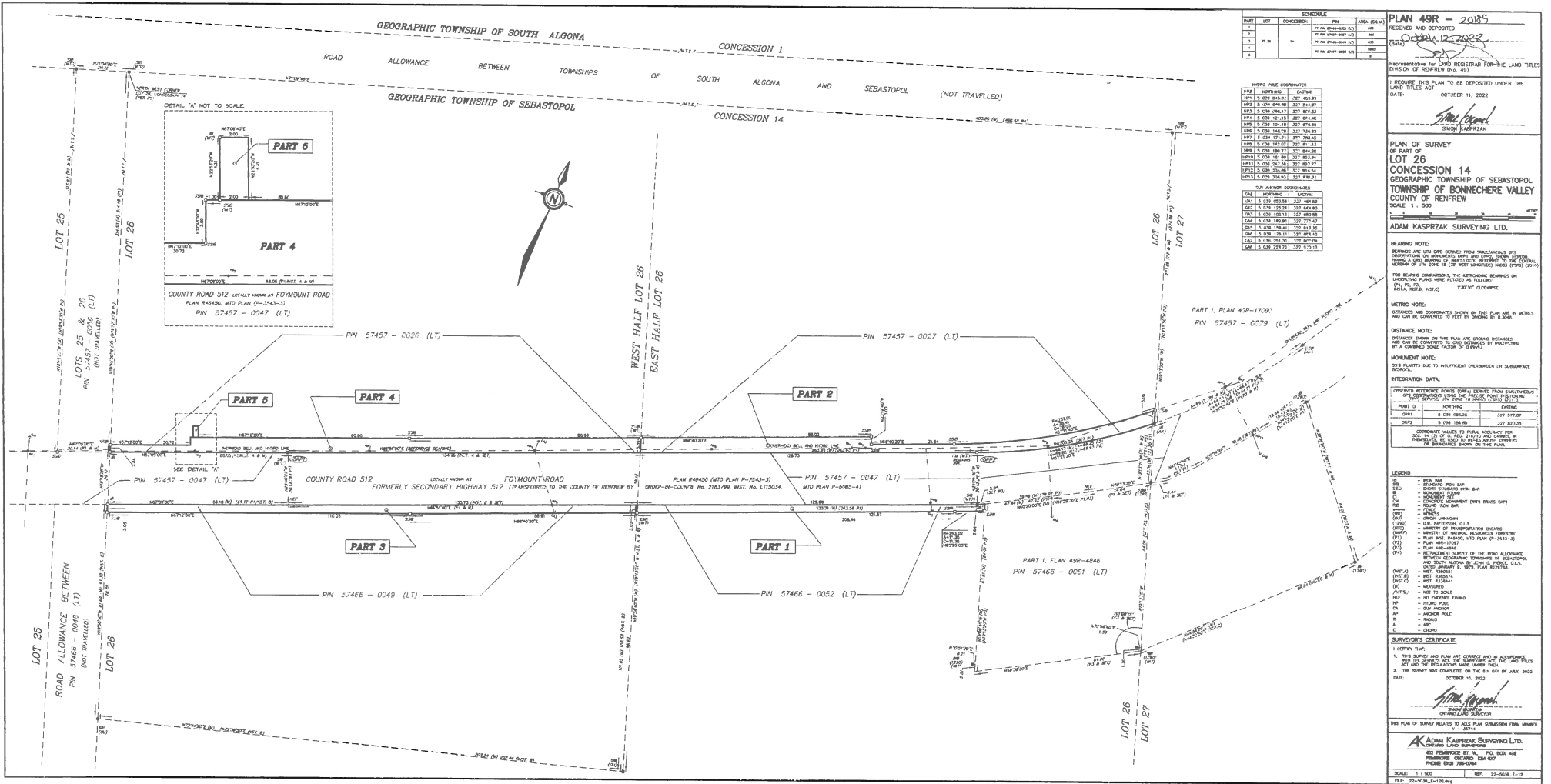
LEGEND

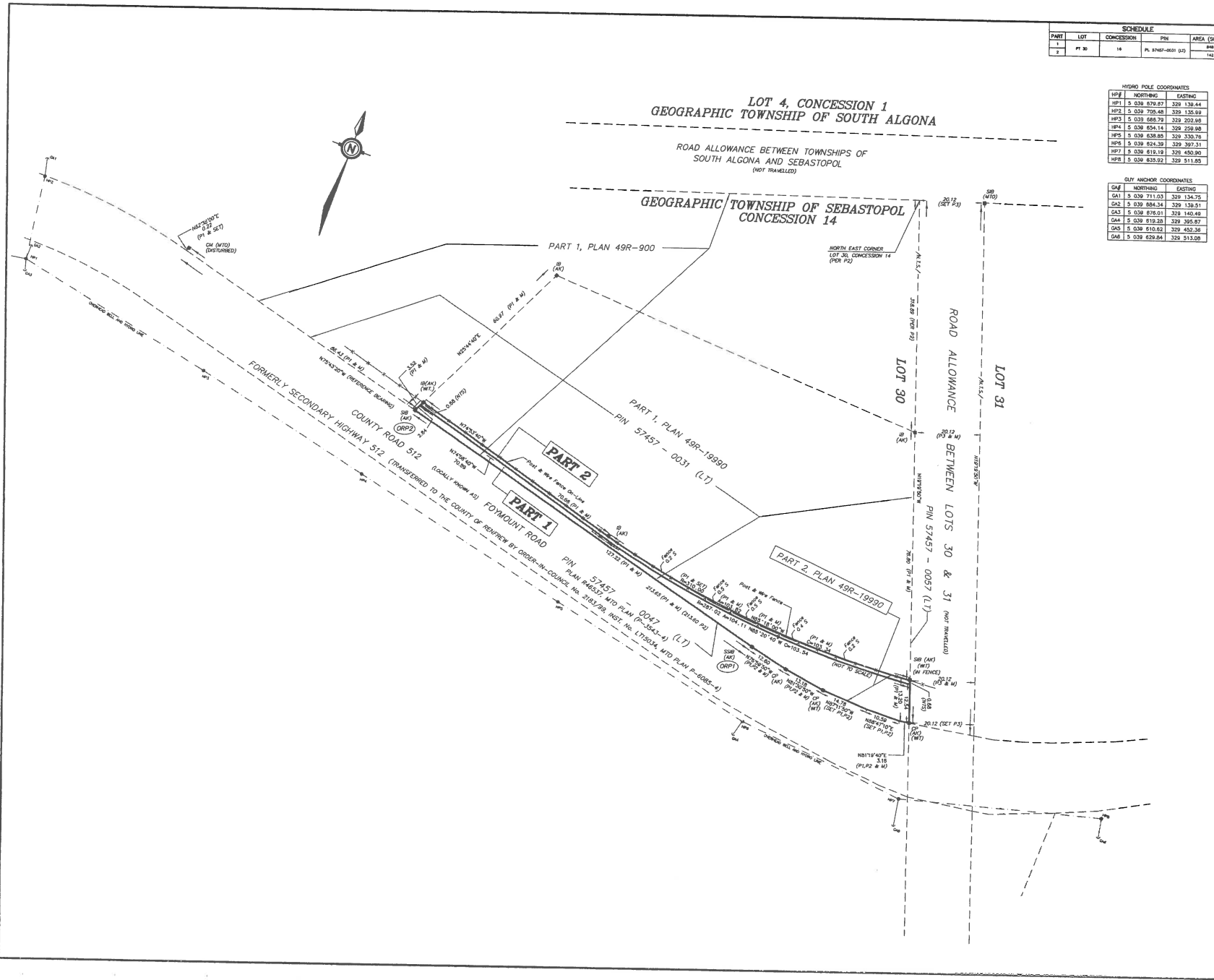
- IB - IRON BAR
- SB - STANDARD IRON BAR
- SSB - SHORT STANDARD IRON BAR
- MB - MONUMENT FOUND
- CS - CONCRETE SET
- RB - ROUND IRON BAR
- FL - FENCE
- WT - WITNESS
- M - MARKER
- (75) - A.C. BOURNE, O.L.S. (1935)
- (1935) - A.C. BOURNE, O.L.S. (1935)
- (MTO) - MINISTRY OF TRANSPORTATION, ONTARIO
- (P1) - PLAN 49R-5666
- (INST.A) - INSTRUMENT 8309300
- HP - HYDRO POLE
- GA - GLY ANCHOR
- AP - ANCHOR POLE
- R - ROUND
- A - ARC
- C - CHAINED

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:
 1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT, THE SURVEYORS ACT, THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
 2. THE SURVEY WAS COMPLETED ON JULY 4, 2022.
 DATE: OCTOBER 11, 2022
 Adam Kasprzak
 SIMON KASPRZAK
 ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATES TO AOLS PLAN SUBMISSION FORM NUMBER 17 - 3484.
ADAM KASPRZAK SURVEYING LTD.
 402 PEMBROKE ST. W., P.O. BOX 492
 PEMBROKE, ONTARIO K8A 6C7
 PHONE (800) 755-0784
 SCALE 1: 500
 FILE: 22-5038-E-20-689





SCHEDULE				
PART	LOT	CONCESSION	PIN	AREA (SQ.M)
1		14	PL 49R-001 (L)	14
2				

HYDRO POLE COORDINATES		
HP#	NORTHING	EASTING
HP1	5 039 879.87	329 134.44
HP2	5 039 706.48	329 135.62
HP3	5 039 686.72	329 202.66
HP4	5 039 824.14	329 229.98
HP5	5 039 628.85	329 332.74
HP6	5 039 824.39	329 367.31
HP7	5 039 819.19	329 450.90
HP8	5 039 833.92	329 511.95

GUY ANCHOR COORDINATES		
G#	NORTHING	EASTING
G#1	5 039 711.03	329 134.75
G#2	5 039 884.34	329 136.21
G#3	5 039 878.01	329 140.49
G#4	5 039 819.25	329 295.67
G#5	5 039 810.83	329 452.39
G#6	5 039 829.84	329 513.00

PLAN 49R - 20187
RECEIVED AND DEPOSITED
October 12/2022

(data)
Christ En...
Representative for LAND REGISTRAR FOR THE LAND TITLES DIVISION OF RENFREW (No. 45)

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT
DATE: OCTOBER 11, 2022

Simon Kasprzak
SIMON KASPRZAK

PLAN OF SURVEY
OF PART OF
LOT 30
CONCESSION 14
GEOGRAPHIC TOWNSHIP OF SEBASTOPOL
TOWNSHIP OF BONNECHERE VALLEY
COUNTY OF RENFREW
SCALE 1 : 500

ADAM KASPRZAK SURVEYING LTD.

BEARING NOTE:
BEARINGS ARE UTM GRID DERIVED FROM INTEGRATED MONUMENTS ORP1 AND ORP2, PER PLAN 49R-1990, SHOWN HEREIN. BEARING A GROSS BEARING OF 107°34'37" REFERRED TO CENTRAL MERIDIAN OF UTM ZONE 18 (75° WEST LONGITUDE) MAU83 (CSRS) (D010). FOR BEARING CORRECTIONS, THE ACTING BEARINGS ON UNDERLYING PLANS WERE ROTATED AS FOLLOWS:
(P2) 1°31'10" CLOCKWISE

METRIC NOTE:
DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

DISTANCE NOTE:
DISTANCES SHOWN ON THIS PLAN ARE GROUND DISTANCES AND CAN BE CONVERTED TO GRID DISTANCES BY MULTIPLYING BY A CORRECTED SCALE FACTOR OF 0.99992.

MONUMENT NOTE:
SSB PLANTED DUE TO INSUFFICIENT OVERBURDEN OR SUSCEPTIBLE BEDROCK.

INTEGRATION DATA:

POINT ID	NORTHING	EASTING
ORP1	5 039 647.16	329 391.94
ORP2	5 039 878.53	329 266.65

COORDINATE VALUES TO FULL ACCURACY PER SEC. 14 (2) OF O. REG. 2012 TO AND CORRECTED IN THIS PLAN TO THE NEAREST MILLIMETER CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

LEGEND

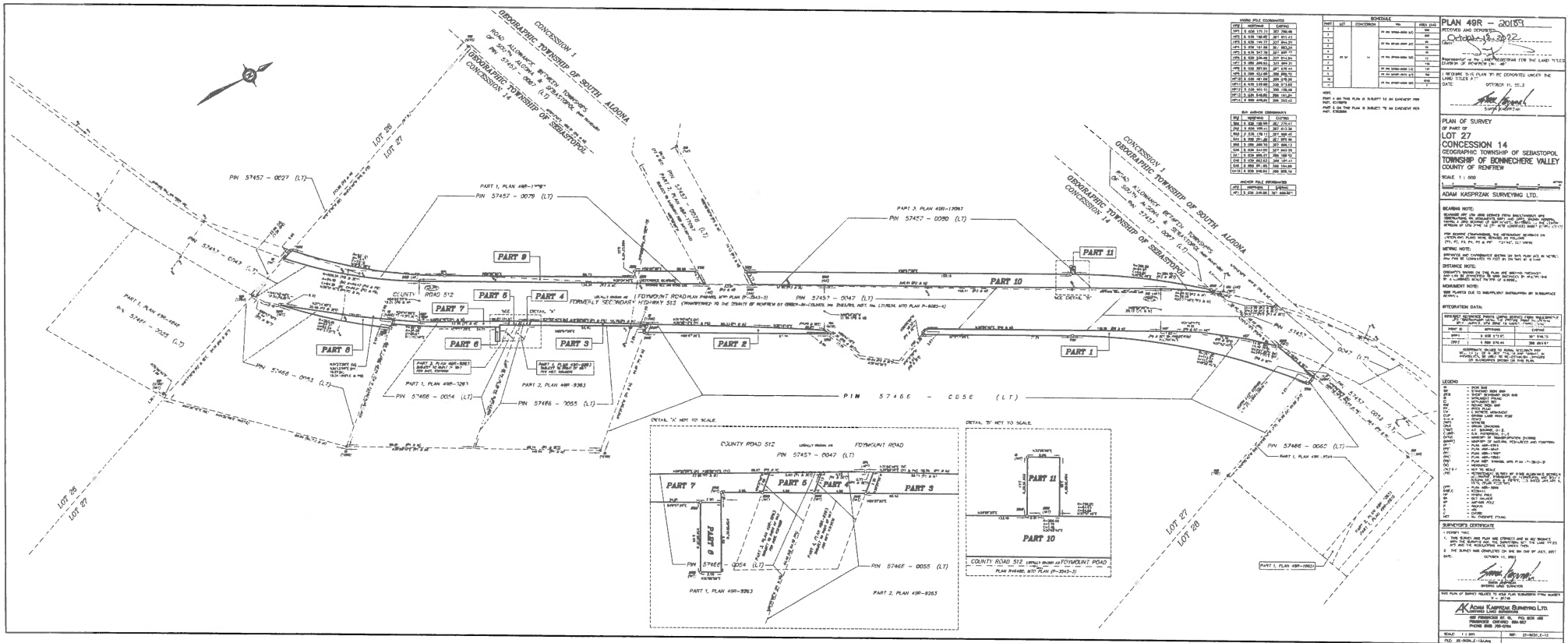
- SB - BORN BAR
- SSB - STANDARD IRON BAR
- SSSB - SHORT STANDARD IRON BAR
- MB - MONUMENT FOUND
- MS - MONUMENT SET
- RIB - ROUND IRON BAR
- CBM - CONCRETE MONUMENT
- CP - CONCRETE PIN
- FB - FENCE
- WPT - WIRELESS
- WPTU - WIRELESS UNKNOWN
- MTD - MINISTRY OF TRANSPORTATION (ONTARIO)
- MAK - ADAM KASPRZAK SURVEYING LTD.
- PL49R-1990 - PLAN 49R-1990
- PL49R-900 - PLAN 49R-900
- (P2) - ORIGINAL TOWNSHIP PLAN OF SEBASTOPOL
- (N) - MEASURED
- 1/2" - NOT TO SCALE
- HP - HYDRO POLE
- GA - GUY ANCHOR
- AP - ANCHOR POLE
- R - RADIUS
- A - ARC
- C - CHORD

SURVEYOR'S CERTIFICATE
I CERTIFY THAT:
1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT, THE SURVEYORS ACT, THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON JULY 19, 2022.
DATE: OCTOBER 11, 2022

Simon Kasprzak
SIMON KASPRZAK
ONTARIO LAND SURVEYOR

THIS PLAN OF SURVEY RELATED TO ADLS PLAN SUBMISSION FORM NUMBER V - 32748

AK ADAM KASPRZAK SURVEYING LTD.
ONTARIO LAND SURVEYORS
432 PEMBROKE ST. W., P.O. BOX 402
PEMBROKE, ONTARIO K8A 6C7
PHONE: (613) 769-0094
SCALE 1 : 500
FILE: 22-5039-5-167.dwg



BEARING AND DISTANCE

LINE	BEARING	DISTANCE
1	N 11° 15' 00" E	100.00
2	S 88° 45' 00" W	100.00
3	N 11° 15' 00" E	100.00
4	S 88° 45' 00" W	100.00
5	N 11° 15' 00" E	100.00
6	S 88° 45' 00" W	100.00
7	N 11° 15' 00" E	100.00
8	S 88° 45' 00" W	100.00
9	N 11° 15' 00" E	100.00
10	S 88° 45' 00" W	100.00
11	N 11° 15' 00" E	100.00
12	S 88° 45' 00" W	100.00
13	N 11° 15' 00" E	100.00
14	S 88° 45' 00" W	100.00
15	N 11° 15' 00" E	100.00
16	S 88° 45' 00" W	100.00
17	N 11° 15' 00" E	100.00
18	S 88° 45' 00" W	100.00
19	N 11° 15' 00" E	100.00
20	S 88° 45' 00" W	100.00
21	N 11° 15' 00" E	100.00
22	S 88° 45' 00" W	100.00
23	N 11° 15' 00" E	100.00
24	S 88° 45' 00" W	100.00
25	N 11° 15' 00" E	100.00
26	S 88° 45' 00" W	100.00
27	N 11° 15' 00" E	100.00
28	S 88° 45' 00" W	100.00
29	N 11° 15' 00" E	100.00
30	S 88° 45' 00" W	100.00
31	N 11° 15' 00" E	100.00
32	S 88° 45' 00" W	100.00
33	N 11° 15' 00" E	100.00
34	S 88° 45' 00" W	100.00
35	N 11° 15' 00" E	100.00
36	S 88° 45' 00" W	100.00
37	N 11° 15' 00" E	100.00
38	S 88° 45' 00" W	100.00
39	N 11° 15' 00" E	100.00
40	S 88° 45' 00" W	100.00
41	N 11° 15' 00" E	100.00
42	S 88° 45' 00" W	100.00
43	N 11° 15' 00" E	100.00
44	S 88° 45' 00" W	100.00
45	N 11° 15' 00" E	100.00
46	S 88° 45' 00" W	100.00
47	N 11° 15' 00" E	100.00
48	S 88° 45' 00" W	100.00
49	N 11° 15' 00" E	100.00
50	S 88° 45' 00" W	100.00
51	N 11° 15' 00" E	100.00
52	S 88° 45' 00" W	100.00
53	N 11° 15' 00" E	100.00
54	S 88° 45' 00" W	100.00
55	N 11° 15' 00" E	100.00
56	S 88° 45' 00" W	100.00
57	N 11° 15' 00" E	100.00
58	S 88° 45' 00" W	100.00
59	N 11° 15' 00" E	100.00
60	S 88° 45' 00" W	100.00
61	N 11° 15' 00" E	100.00
62	S 88° 45' 00" W	100.00
63	N 11° 15' 00" E	100.00
64	S 88° 45' 00" W	100.00
65	N 11° 15' 00" E	100.00
66	S 88° 45' 00" W	100.00
67	N 11° 15' 00" E	100.00
68	S 88° 45' 00" W	100.00
69	N 11° 15' 00" E	100.00
70	S 88° 45' 00" W	100.00
71	N 11° 15' 00" E	100.00
72	S 88° 45' 00" W	100.00
73	N 11° 15' 00" E	100.00
74	S 88° 45' 00" W	100.00
75	N 11° 15' 00" E	100.00
76	S 88° 45' 00" W	100.00
77	N 11° 15' 00" E	100.00
78	S 88° 45' 00" W	100.00
79	N 11° 15' 00" E	100.00
80	S 88° 45' 00" W	100.00
81	N 11° 15' 00" E	100.00
82	S 88° 45' 00" W	100.00
83	N 11° 15' 00" E	100.00
84	S 88° 45' 00" W	100.00
85	N 11° 15' 00" E	100.00
86	S 88° 45' 00" W	100.00
87	N 11° 15' 00" E	100.00
88	S 88° 45' 00" W	100.00
89	N 11° 15' 00" E	100.00
90	S 88° 45' 00" W	100.00
91	N 11° 15' 00" E	100.00
92	S 88° 45' 00" W	100.00
93	N 11° 15' 00" E	100.00
94	S 88° 45' 00" W	100.00
95	N 11° 15' 00" E	100.00
96	S 88° 45' 00" W	100.00
97	N 11° 15' 00" E	100.00
98	S 88° 45' 00" W	100.00
99	N 11° 15' 00" E	100.00
100	S 88° 45' 00" W	100.00

CONCESSION

LINE	CONCESSION	NO.	PLAN
1	14	1	48R-1798
2	14	2	48R-1799
3	14	3	48R-1800
4	14	4	48R-1801
5	14	5	48R-1802
6	14	6	48R-1803
7	14	7	48R-1804
8	14	8	48R-1805
9	14	9	48R-1806
10	14	10	48R-1807
11	14	11	48R-1808
12	14	12	48R-1809
13	14	13	48R-1810
14	14	14	48R-1811
15	14	15	48R-1812
16	14	16	48R-1813
17	14	17	48R-1814
18	14	18	48R-1815
19	14	19	48R-1816
20	14	20	48R-1817
21	14	21	48R-1818
22	14	22	48R-1819
23	14	23	48R-1820
24	14	24	48R-1821
25	14	25	48R-1822
26	14	26	48R-1823
27	14	27	48R-1824
28	14	28	48R-1825
29	14	29	48R-1826
30	14	30	48R-1827
31	14	31	48R-1828
32	14	32	48R-1829
33	14	33	48R-1830
34	14	34	48R-1831
35	14	35	48R-1832
36	14	36	48R-1833
37	14	37	48R-1834
38	14	38	48R-1835
39	14	39	48R-1836
40	14	40	48R-1837
41	14	41	48R-1838
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77	14	77	48R-1874
78	14	78	48R-1875
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91	14	91	48R-1888
92	14	92	48R-1889
93	14	93	48R-1890
94	14	94	48R-1891
95	14	95	48R-1892
96	14	96	48R-1893
97	14	97	48R-1894
98	14	98	48R-1895
99	14	99	48R-1896
100	14	100	48R-1897

PLAN 49R - 20183
 OCTOBER 11, 2018
 CONCESSION 14
 TOWNSHIP OF SEBASTOPOL
 COUNTY OF BERNICHERIE VALLEY

PLAN OF SURVEY
 OF PART OF
 CONCESSION 14
 TOWNSHIP OF SEBASTOPOL
 COUNTY OF BERNICHERIE VALLEY

SCALE: 1:1000
 ADAM KASPIKZAK SURVEYING LTD.

BEARING NOTE:
 BEARINGS ARE GIVEN EITHER FROM MAGNETIC NORTH OR FROM TRUE NORTH AS INDICATED BY THE BEARING SYMBOLS.

REFERENCE NOTE:
 REFERENCE IS MADE TO THE PLAN OF SURVEY FOR THE LAND "1111" OF THE TOWNSHIP OF SEBASTOPOL, COUNTY OF BERNICHERIE VALLEY, BY PLAN 48R-1798.

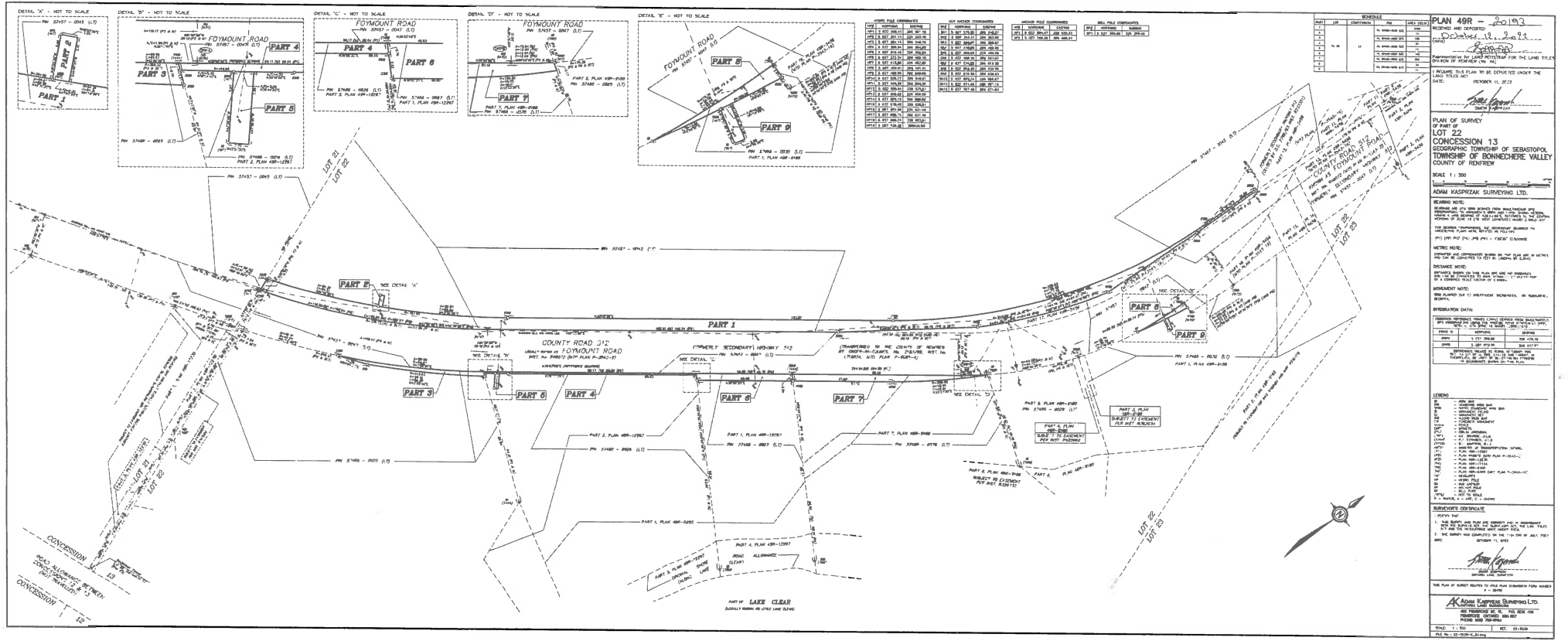
ADJUSTMENT NOTE:
 ADJUSTMENT WAS MADE TO THE PLAN BY THE METHOD OF LEAST SQUARES.

REMARKS:
 THIS PLAN IS SUBJECT TO THE EXISTING PLAN 48R-1798.

DATE:
 OCTOBER 11, 2018

ADAM KASPIKZAK
 SURVEYOR

ADAM KASPIKZAK SURVEYING LTD.
 1000 BURNHAMTHORPE RD. W. UNIT 10
 MISSISSAUGA, ONT. L4X 1L3
 TEL: (905) 276-1111
 FAX: (905) 276-1112



GEOGRAPHIC TOWNSHIP OF SOUTH ALGONA

GEOGRAPHIC TOWNSHIP OF SEBASTOPOI

9
LOT
ROAD
COUNCIL
REGISTRATION
OFFICER'S
OFFICE
6
MAY 2022

CONCESSION 1

CONCESSION 14

10
LOT
ROAD
COUNCIL
REGISTRATION
OFFICER'S
OFFICE
6
MAY 2022

10
LOT
ROAD
COUNCIL
REGISTRATION
OFFICER'S
OFFICE
6
MAY 2022

SCHEDULE					
NO.	LOT	DESCRIPTION	FR.	AREA (SQ. FT.)	AREA (SQ. MET.)
1	29	PART 1, PLAN 498-16728			
2	29	PART 2, PLAN 498-16728			
3	29	PART 1, PLAN 498-16728			

PLAN 498-20214

OCTOBER 13, 2022

Representation for LAND REGISTRAR FOR THE LAND TITLES DIVISION OF RENFREW (No. 49)

OCTOBER 11, 2022

ADAM KASPRZAK SURVEYING LTD.

PLAN OF SURVEY OF PART OF CONCESSION 14 GEOGRAPHIC TOWNSHIP OF SEBASTOPOI, TOWNSHIP OF BONNECHERE VALLEY COUNTY OF RENFREW

SCALE 1:500

ADAM KASPRZAK SURVEYING LTD.

BEARING NOTE: BEARINGS SHOWN ON THIS PLAN ARE IN METRIC UNITS AND ARE TO BE INTERPRETED AS METRIC UNITS UNLESS SPECIFIED OTHERWISE.

METRIC NOTE: BEARINGS AND DISTANCES SHOWN ON THIS PLAN ARE IN METRIC UNITS AND ARE TO BE INTERPRETED AS METRIC UNITS UNLESS SPECIFIED OTHERWISE.

DISTANCE NOTE: DISTANCES SHOWN ON THIS PLAN ARE IN METRIC UNITS AND ARE TO BE INTERPRETED AS METRIC UNITS UNLESS SPECIFIED OTHERWISE.

MONUMENT NOTE: MONUMENTS SHOWN ON THIS PLAN ARE TO BE INTERPRETED AS METRIC UNITS UNLESS SPECIFIED OTHERWISE.

INTEGRATION DATA:

POINT NO.	BENCHMARK	ELEVATION
BM1	5 028 841 82	336 72.04
BM2	5 028 838 01	336 848.80

LEGEND:

- SPIN MARK
- BOUNDARY MARK
- BOUNDARY MARK WITH BAR
- BOUNDARY MARK WITH BAR AND CROSS
- BOUNDARY MARK WITH BAR AND CROSS AND TRIANGLE
- BOUNDARY MARK WITH BAR AND CROSS AND TRIANGLE AND CROSS
- BOUNDARY MARK WITH BAR AND CROSS AND TRIANGLE AND CROSS AND TRIANGLE
- BOUNDARY MARK WITH BAR AND CROSS AND TRIANGLE AND CROSS AND TRIANGLE AND CROSS
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ADAM KASPRZAK SURVEYING LTD.
OCTOBER 11, 2022

ADAM KASPRZAK SURVEYING LTD.
OCTOBER 11, 2022

ADAM KASPRZAK SURVEYING LTD.
OCTOBER 11, 2022

ADAM KASPRZAK SURVEYING LTD.
OCTOBER 11, 2022

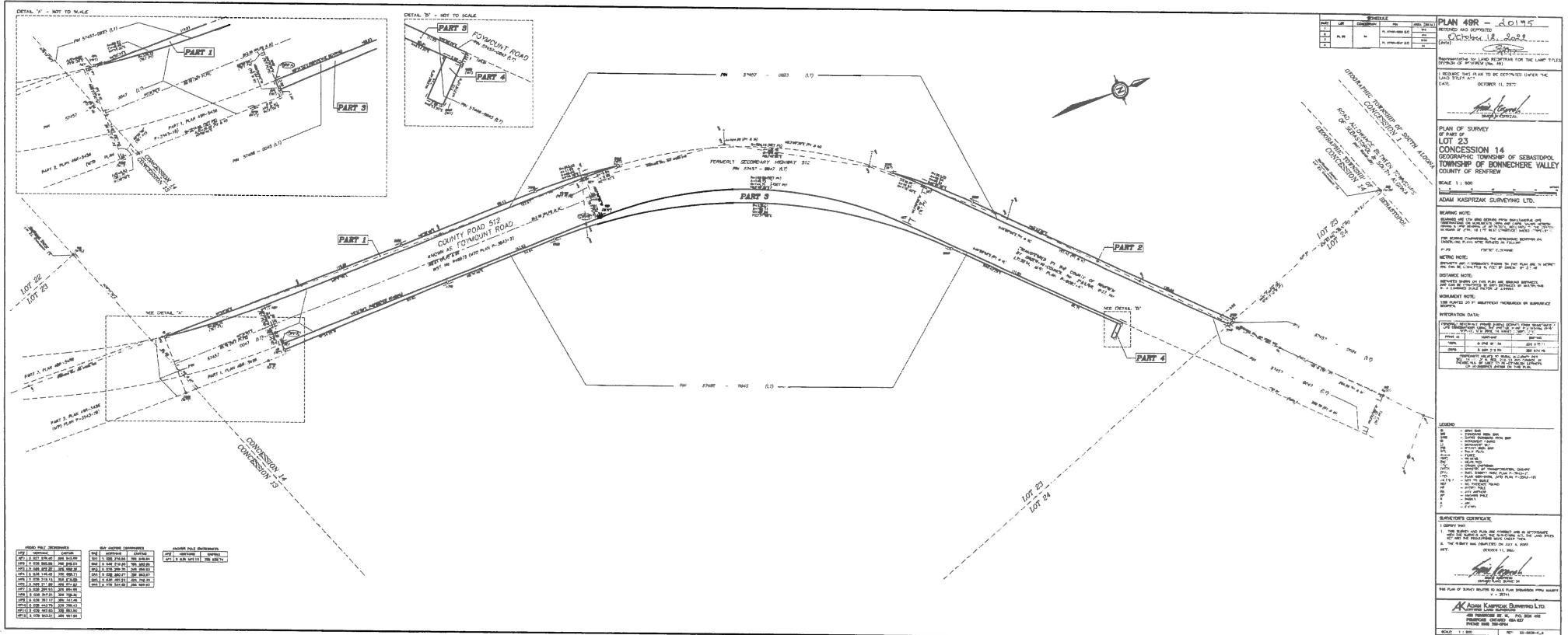
ADAM KASPRZAK SURVEYING LTD.
OCTOBER 11, 2022

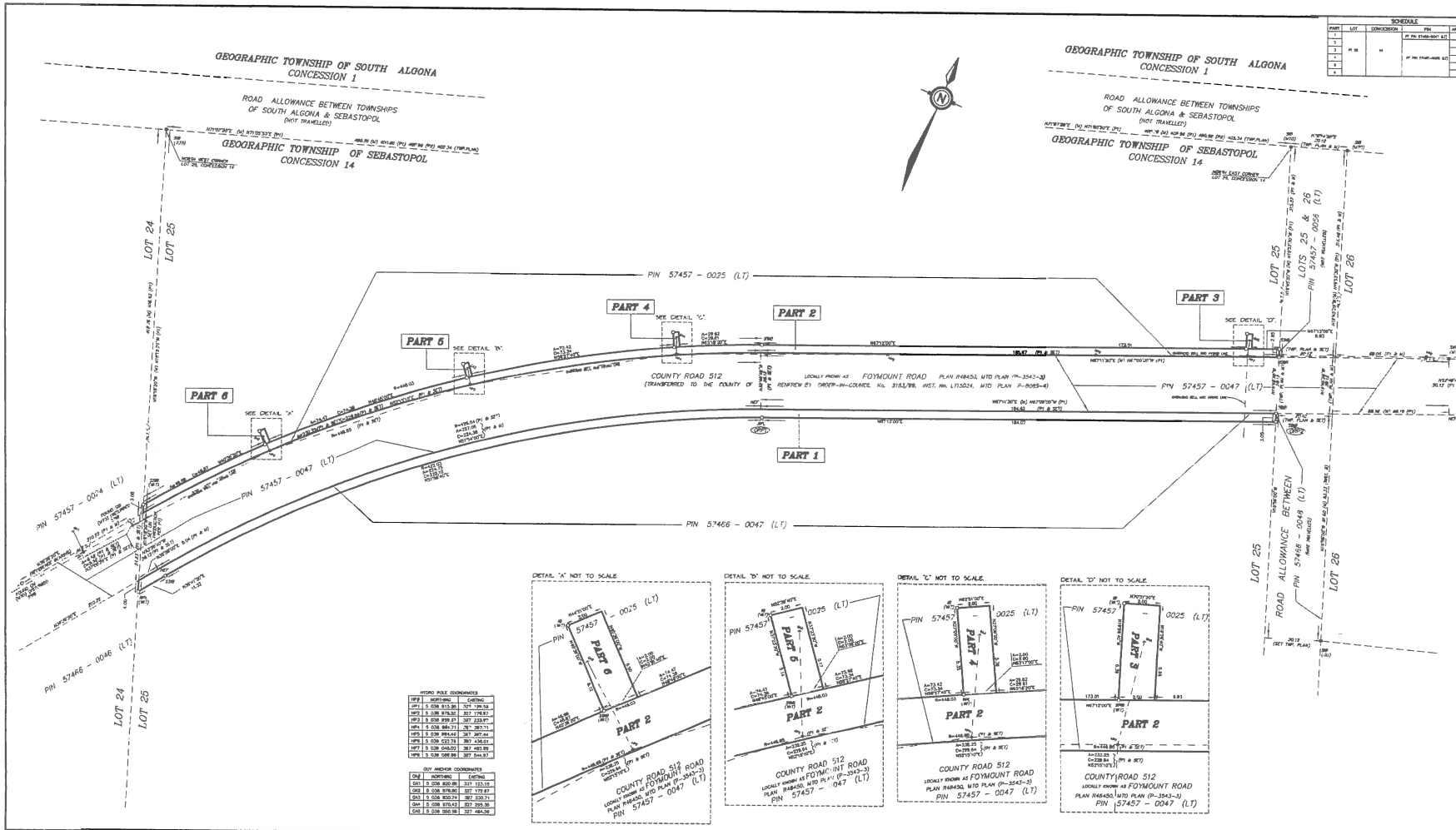
HIGH POLE COORDINATES

NO.	NORTHING	EASTING
HP1	5 028 731.02	336 729.07
HP2	5 028 847.61	336 850.53
HP3	5 028 847.26	336 849.85
HP4	5 028 849.89	336 848.38
HP5	5 028 850.22	336 843.87
HP6	5 028 849.11	336 790.11
HP7	5 028 848.13	336 775.67
HP8	5 028 848.15	336 846.72
HP9	5 028 848.98	336 850.26
HP10	5 028 844.78	336 849.31

LOW POLE COORDINATES

NO.	NORTHING	EASTING
LP1	5 028 702.84	336 858.19
LP2	5 028 855.79	336 848.87
LP3	5 028 849.21	336 848.84
LP4	5 028 848.00	336 824.48
LP5	5 028 848.87	336 868.24
LP6	5 028 848.86	336 868.14
LP7	5 028 848.81	336 792.14
LP8	5 028 844.81	336 868.13
LP9	5 028 848.15	336 843.87
LP10	5 028 848.11	336 843.43





SCHEDULE			
DEPT	LOT	CONVECTION	AREA (SQ FT)
1	25	1	128
2	25	2	128
3	25	3	128
4	25	4	128
5	25	5	128
6	25	6	128

PLAN 49R - 20196
 RECEIVED AND DEPOSITED
 October 13, 2022
 Linda Conner
 REPRESENTATIVE FOR LAND REGISTRAR FOR THE LAND TITLES DIVISION OF RENFREW (M-45)

I HEREBY MAKE PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT
 OCTOBER 11, 2022
 Adam Kasprzak
 SURVEYOR

PLAN OF SURVEY OF PART OF LOT 25 CONCESSION 14 GEOGRAPHIC TOWNSHIP OF SEBASTOPOL TOWNSHIP OF BONNECHERE VALLEY COUNTY OF RENFREW
 SCALE 1 : 500

ADAM KASPRZAK SURVEYING LTD.

BEARING NOTE:
 BEARINGS ARE TO BE READ FROM OBSERVATIONS OR CALCULATIONS ON A HORIZONTAL PLANE THROUGH THE POINTS OF INTERSECTION OF THE BEARING LINES AND THE BEARING LINES OF THE ZONE IN WHICH THE BEARING IS TAKEN. BEARINGS ARE TO BE CORRECTED FOR CURVATURE OF THE EARTH AND FOR REFRACTION OF THE AIR.

METRIC NOTE:
 DISTANCES AND COORDINATE BEARINGS ON THIS PLAN ARE IN METERS AND TO BE CORRECTED BY THE SURVEYOR.

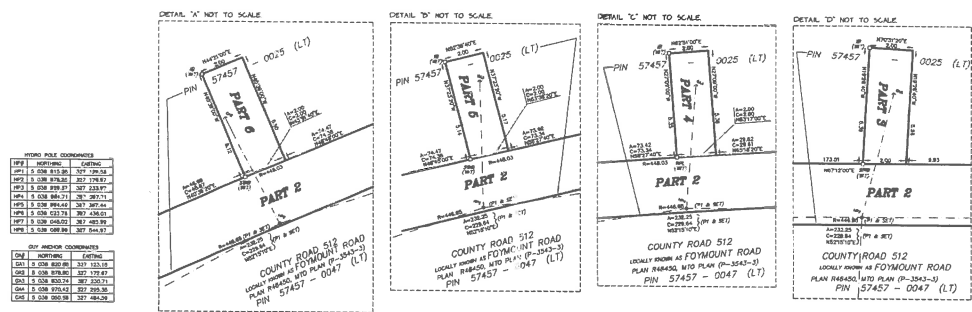
INTEGRATION DATA:
 CALCULATED POINTS (COORDINATES) FROM SURVEY DATA
 POINT NO. 1: 5 538 853.81 227 234.74
 POINT NO. 2: 5 538 857.23 227 234.42

LEGEND:
 B - BOUNDARY
 C - CENTERLINE
 D - DISTANCE
 E - ELEVATION
 F - FOOTING
 G - GROUND
 H - HORIZONTAL
 I - INTERSECTION
 J - JUNCTION
 K - KNOT
 L - LINE
 M - METRIC
 N - NORTH
 O - OTHER
 P - POINT
 Q - QUANTITY
 R - ROAD
 S - SCALE
 T - TYPICAL
 U - UNKNOWN
 V - VERTICAL
 W - WIDTH
 X - X-SECTION
 Y - Y-SECTION
 Z - Z-SECTION

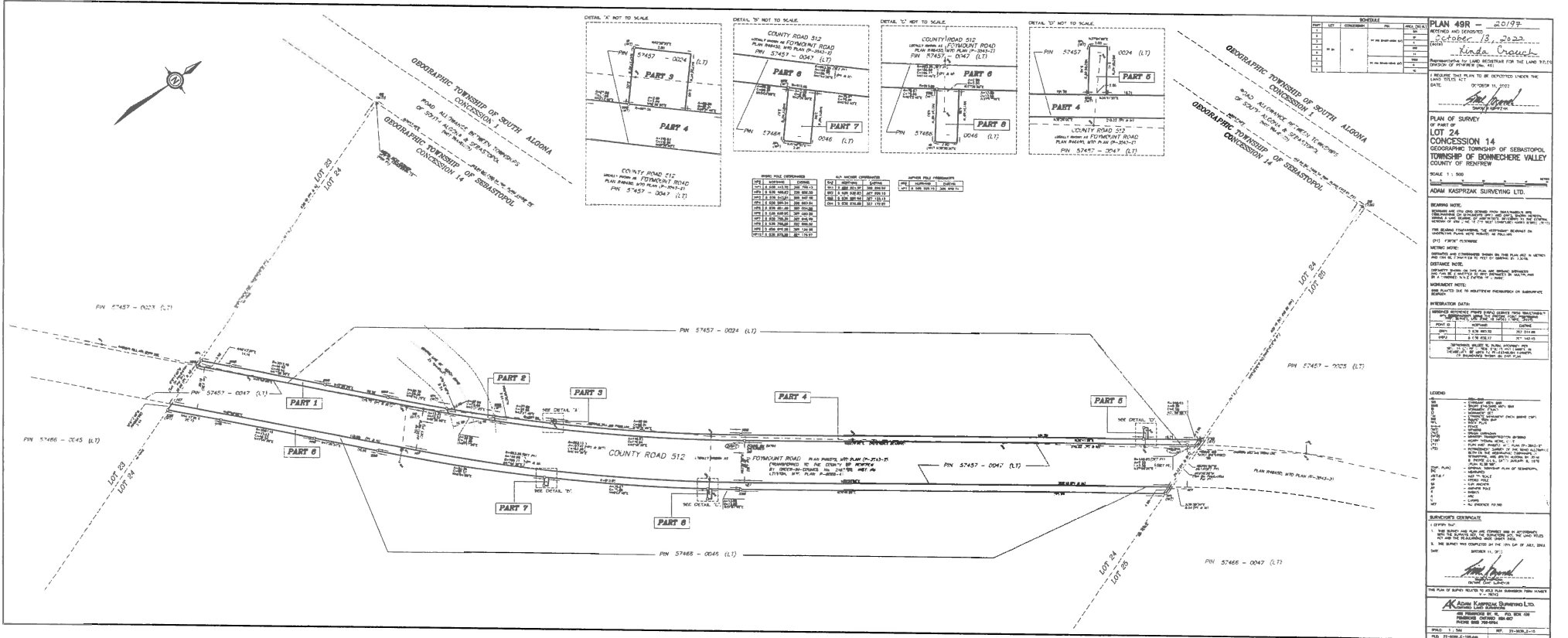
SURVEYOR'S CERTIFICATE:
 I, ADAM KASPRZAK, SURVEYOR, DO HEREBY CERTIFY THAT I AM A MEMBER OF THE SURVEYORS ASSOCIATION OF ALBERTA AND THAT I AM A LICENSED SURVEYOR IN THE PROVINCE OF ALBERTA.
 OCTOBER 11, 2022
 Adam Kasprzak
 SURVEYOR

THIS PLAN OF SURVEY RELATES TO THE PLAN SUBMITTED FROM PLAN NO. 30415
 ADAM KASPRZAK SURVEYING LTD.
 402 HUNTERS HILL RD., P.O. BOX 402
 PRINCE GEORGE, ALBERTA T1A 4P7
 PHONE 780-798-0244

SCALE: 1 : 500
 REF: 93-3009-Z-11
 PLAN: 20-2020-Z-118.dwg



POINT	NORTHING	EASTING
1	5 538 853.81	227 234.74
2	5 538 857.23	227 234.42
3	5 538 853.81	227 234.74
4	5 538 857.23	227 234.42
5	5 538 853.81	227 234.74
6	5 538 857.23	227 234.42



NO.	DATE	BY	REVISION
1			
2			
3			
4			
5			

PLAN 49R - 2019
 REVISED AND EXTENDED
 DATE: October 13, 2023
 DRAWN BY: Kasia Ciolek
 CHECKED BY: Adam Kasprzak
 AUTHORITY: LAND REGISTRY FOR THE LAND TITLE DIVISION OF ONTARIO (see 49)

PLAN OF SURVEY
 PART OF
 LOT 24
 CONCESSION 14
 GEOGRAPHIC TOWNSHIP OF SEBASTOPOL
 TOWNSHIP OF BONCHERE VALLEY
 COUNTY OF RENFREW
 SCALE: 1:500
 ADAM KASPRZAK SURVEYING LTD.

BEARING NOTE:
 BEARINGS ARE GIVEN AS TRUE UNLESS SPECIFICALLY NOTED OTHERWISE.
 BEARINGS ARE GIVEN AS TRUE UNLESS SPECIFICALLY NOTED OTHERWISE.
 THE BEARING (AZIMUTH) OF THE STRAIGHT BEARING IS
 DEFINITIVE AND NOT SUBJECT TO CORRECTION.

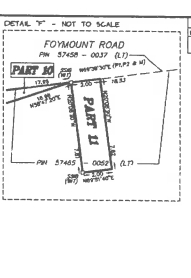
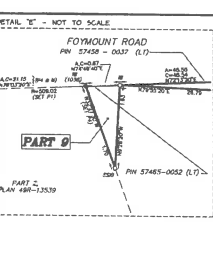
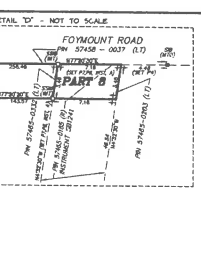
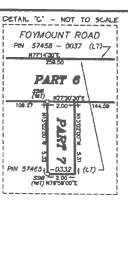
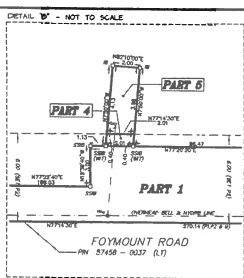
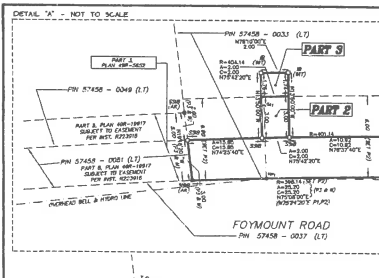
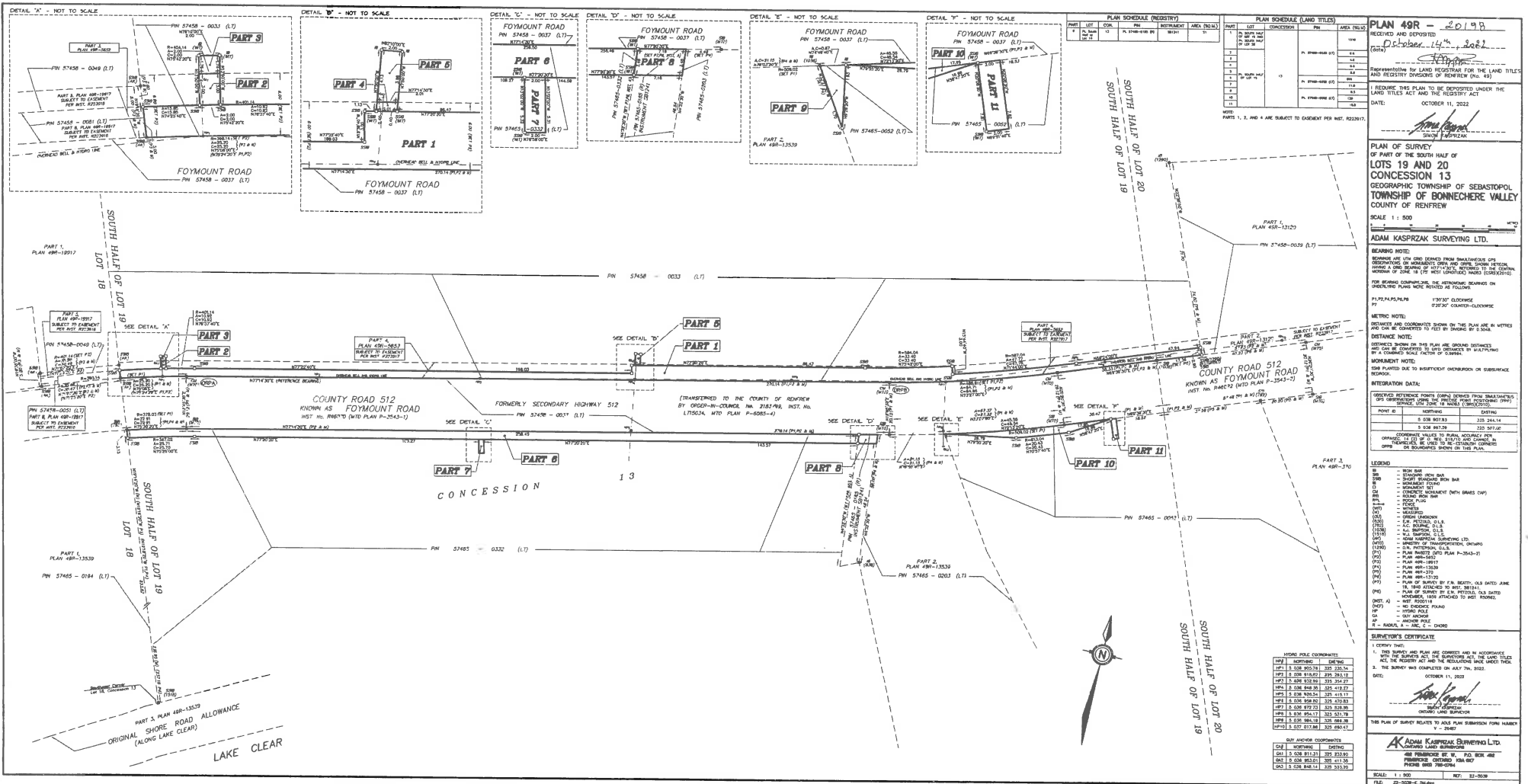
DISTANCE NOTE:
 DISTANCES ARE GIVEN IN METERS UNLESS SPECIFICALLY NOTED OTHERWISE.
 DISTANCES ARE GIVEN IN METERS UNLESS SPECIFICALLY NOTED OTHERWISE.

INFORMATION DATA:
 THE INFORMATION CONTAINED HEREIN IS FOR INFORMATION ONLY AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE OF ANY KIND.
 THE INFORMATION CONTAINED HEREIN IS FOR INFORMATION ONLY AND DOES NOT CONSTITUTE A WARRANTY OR GUARANTEE OF ANY KIND.

NO.	DATE	BY	REVISION
1			
2			
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ADAM KASPRZAK SURVEYING LTD.
 400 BROADVIEW AVENUE, SUITE 100
 MISSISSAUGA, ONTARIO L4X 1L7
 PH: (905) 278-8888
 FAX: (905) 278-8889
 WWW.AKSLTD.COM

PLAN OF SURVEY
 PART OF
 LOT 24
 CONCESSION 14
 GEOGRAPHIC TOWNSHIP OF SEBASTOPOL
 TOWNSHIP OF BONCHERE VALLEY
 COUNTY OF RENFREW
 SCALE: 1:500
 ADAM KASPRZAK SURVEYING LTD.



PLAN SCHEDULE (REGISTRY)			
PLAN NO.	CONC.	REG.	AREA (HECT.)
49R	13	1	1.1
49R	13	2	1.1
49R	13	3	1.1
49R	13	4	1.1

PLAN SCHEDULE (LAND TITLES)			
PLAN NO.	CONC.	REG.	AREA (HECT.)
49R	13	1	1.1
49R	13	2	1.1
49R	13	3	1.1
49R	13	4	1.1

PLAN 49R - 2019
 RECEIVED AND DEPOSITED
 11 October 2019
 REPRESENTATIVE FOR LAND REGISTRY AND LAND REGISTRY DIVISIONS OF RENFREW (No. 49)
 I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT AND THE REGISTRY ACT
 DATE: OCTOBER 11, 2022

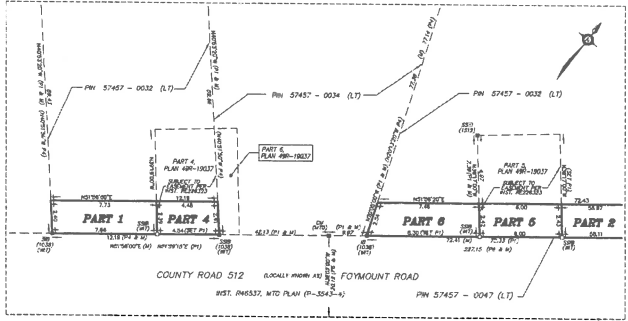
PLAN OF SURVEY OF PART OF THE SOUTH HALF OF LOTS 19 AND 20 CONCESSION 13 GEOGRAPHIC TOWNSHIP OF SEBASTOPOL TOWNSHIP OF BONNECHERE VALLEY COUNTY OF RENFREW
 SCALE 1 : 500
ADAM KASPRZAK SURVEYING LTD.

BEARING NOTE:
 BEARINGS GIVEN ARE DERIVED FROM MAGNETIC NORTH OBSERVATIONS OR ADJUSTMENTS THEREON AND ARE GIVEN IN THE FOLLOWING ORDER: TRUE BEARING, BEARING CORRECTED FOR LOCAL MAGNETIC VARIATION, BEARING CORRECTED FOR LOCAL MAGNETIC VARIATION AND CORRECTED FOR DIURNAL VARIATION.
DIURNAL VARIATION:
 17'30" EASTWARD
 17'30" WESTWARD
METRIC NOTE:
 DIMENSIONS AND COORDINATE VALUES ON THIS PLAN ARE IN METERS AND CAN BE CONVERTED TO FEET BY MULTIPLYING BY 3.28084.
DISTANCE NOTE:
 DIMENSIONS ON THIS PLAN ARE IN METERS AND CAN BE CONVERTED TO FEET BY MULTIPLYING BY 3.28084.
MONUMENT NOTE:
 MONUMENTS SHOWN ON THIS PLAN ARE TO BE CONSIDERED AS PER THE SURVEY RECORDS.
INTERPRETATION DATA:
 OBSERVED POINTS SHOWN ON THIS PLAN ARE TO BE CONSIDERED AS PER THE SURVEY RECORDS.
 COORDINATE VALUES ON THIS PLAN ARE IN METERS AND CAN BE CONVERTED TO FEET BY MULTIPLYING BY 3.28084.
 DIMENSIONS ON THIS PLAN ARE IN METERS AND CAN BE CONVERTED TO FEET BY MULTIPLYING BY 3.28084.

LEGEND
 B - BOUNDARY
 C - CONCRETE CURB
 D - DRAINAGE
 E - EASEMENT
 F - FENCE
 G - GROUND SURFACE
 H - HIGHWAY
 I - INTERSECTION
 J - JUNCTION
 K - KUTTING
 L - LAKE CLEAR
 M - METERS
 N - NORTH
 O - ORIGINAL SHORE ROAD ALLOWANCE
 P - PAVEMENT
 Q - QUANTITY
 R - ROAD
 S - SURFACE
 T - TYPICAL
 U - UTILITY
 V - VARIATION
 W - WATER
 X - X-ROAD
 Y - YIELD
 Z - ZONE

SURVEYOR'S CERTIFICATE
 I CERTIFY THAT:
 1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEY ACT AND REGULATIONS AND THE LAND TITLES ACT AND REGULATIONS.
 2. THE SURVEY WAS COMPLETED ON JULY 26, 2022.
 DATE: OCTOBER 11, 2022
Adam Kasprzak
 SURVEYOR
 ADAM KASPRZAK SURVEYING LTD.
 1000 BROADVIEW ST. W. #100, BIRMINGHAM, ONTARIO L6R 6K7
 PHONE: 905-709-0000
 SCALE: 1 : 500
 FILE: 22-0028-01-0000

DETAIL 'A' - NOT TO SCALE

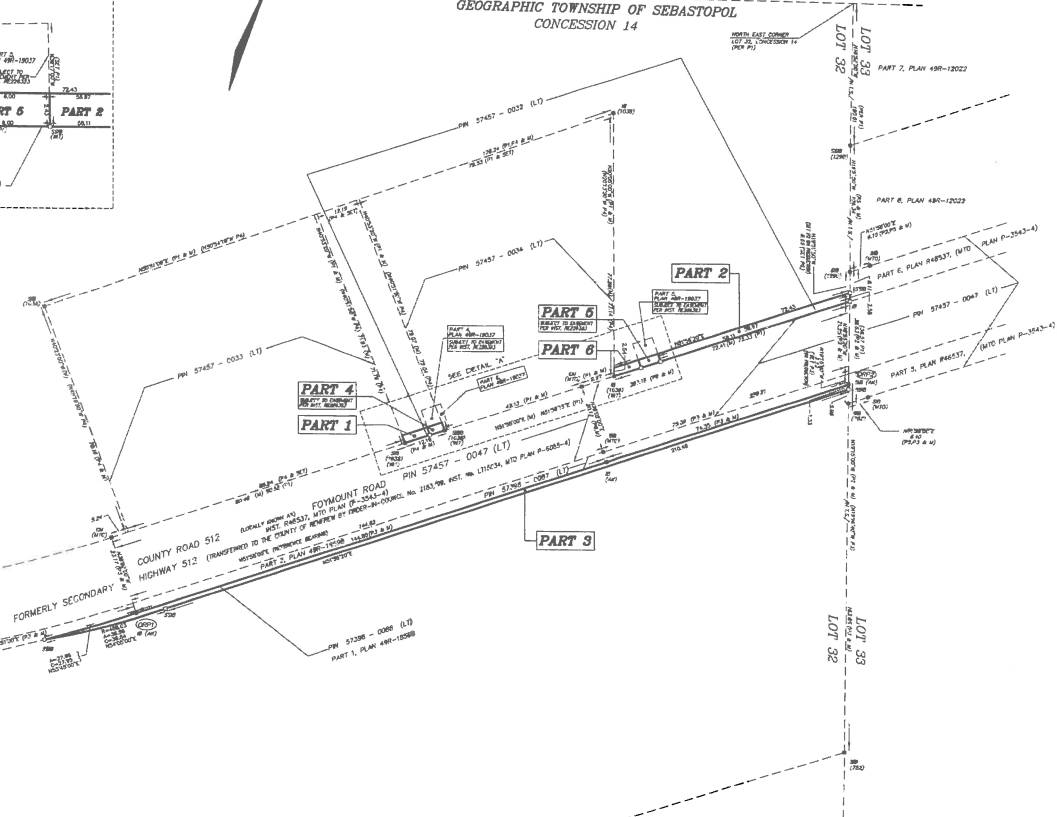


**CONCESSION 1
GEOGRAPHIC TOWNSHIP OF SOUTH ALGONA**

ROAD ALLOWANCE BETWEEN TOWNSHIPS OF
SOUTH ALGONA AND SEBASTOPOL
(NOT TRAVELLED)

**GEOGRAPHIC TOWNSHIP OF SEBASTOPOL
CONCESSION 14**

LOT 31
LOT 32



SCHEDULE	PLAN AREA (HECTARS)
1	AREA OF 2140 - 000 640
2	AREA OF 2700 - 000 610 (G27)
3	AREA OF 2140 - 000 640
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5	
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PLAN 49R - 20199
 RECEIVED AND DEPOSITED:
 OCTOBER 17, 2022
Linda Trench
 REGISTRATION AND LANDS REGISTRAR FOR THE LAND TITLES
 DIVISION OF RENFREW (VAL 49)

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE
 LAND TITLES ACT
 DATE: OCTOBER 11, 2022

Simon Kasprzak
 SIMON KASPRZAK

**PLAN OF SURVEY
 OF PART OF
 LOT 32
 CONCESSION 14
 GEOGRAPHIC TOWNSHIP OF SEBASTOPOL,
 TOWNSHIP OF BONNECHERE VALLEY
 COUNTY OF RENFREW**

SCALE 1 : 500

ADAM KASPRZAK SURVEYING LTD.

BEARING NOTE:
 BEARINGS AND DISTANCES FROM INTERSECTION POINTS TO CORNER POINTS AND POINTS ON THIS PLAN SHALL BE TAKEN FROM THE INTERSECTION POINTS OF THE INTERSECTION OF THE CENTER LINE OF THE ROAD WITH THE CENTER LINE OF THE ROAD (C278) EXCEPT WHERE SHOWN OTHERWISE. THE BEARING AND DISTANCE OF THE CENTER LINE OF THE ROAD WITH THE CENTER LINE OF THE ROAD (C278) IS SHOWN ON THE PLAN.

METRIC NOTE:
 1250' U.S. CLOSURE

DISTANCE NOTE:
 DISTANCES AND COORDINATE DATA ON THIS PLAN ARE IN METERS AND CAN BE CONVERTED TO FEET BY DIVISION BY 3.048

MONUMENT NOTE:
 SEE PLANNED DUE TO INSUFFICIENT OVERLAP OR SURFACE MONUMENT

INTEGRATION DATA:

CORNERS	CORNERS POINTS (M)	CORNERS POINTS (FEET)
C278	6 070 216.68	330 045.84
C279	5 042 011.74	258 218.67

LEGEND:

- 100' B.M.
- 200' B.M.
- 300' B.M.
- 400' B.M.
- 500' B.M.
- 600' B.M.
- 700' B.M.
- 800' B.M.
- 900' B.M.
- 1000' B.M.
- 1100' B.M.
- 1200' B.M.
- 1300' B.M.
- 1400' B.M.
- 1500' B.M.
- 1600' B.M.
- 1700' B.M.
- 1800' B.M.
- 1900' B.M.
- 2000' B.M.
- 2100' B.M.
- 2200' B.M.
- 2300' B.M.
- 2400' B.M.
- 2500' B.M.
- 2600' B.M.
- 2700' B.M.
- 2800' B.M.
- 2900' B.M.
- 3000' B.M.
- 3100' B.M.
- 3200' B.M.
- 3300' B.M.
- 3400' B.M.
- 3500' B.M.
- 3600' B.M.
- 3700' B.M.
- 3800' B.M.
- 3900' B.M.
- 4000' B.M.
- 4100' B.M.
- 4200' B.M.
- 4300' B.M.
- 4400' B.M.
- 4500' B.M.
- 4600' B.M.
- 4700' B.M.
- 4800' B.M.
- 4900' B.M.
- 5000' B.M.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:
 1. THIS PLAN AND PLAN HAS BEEN CORRECTLY MADE AND APPROVED
 BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND I AM A
 MEMBER OF THE PROFESSIONAL SURVEYING SOCIETY OF CANADA
 AND THE REGULATION MADE UNDER THAT ACT

2. THE SURVEY WAS COMPLETED ON THE 11th DAY OF OCTOBER, 2022

DATED: OCTOBER 11, 2022

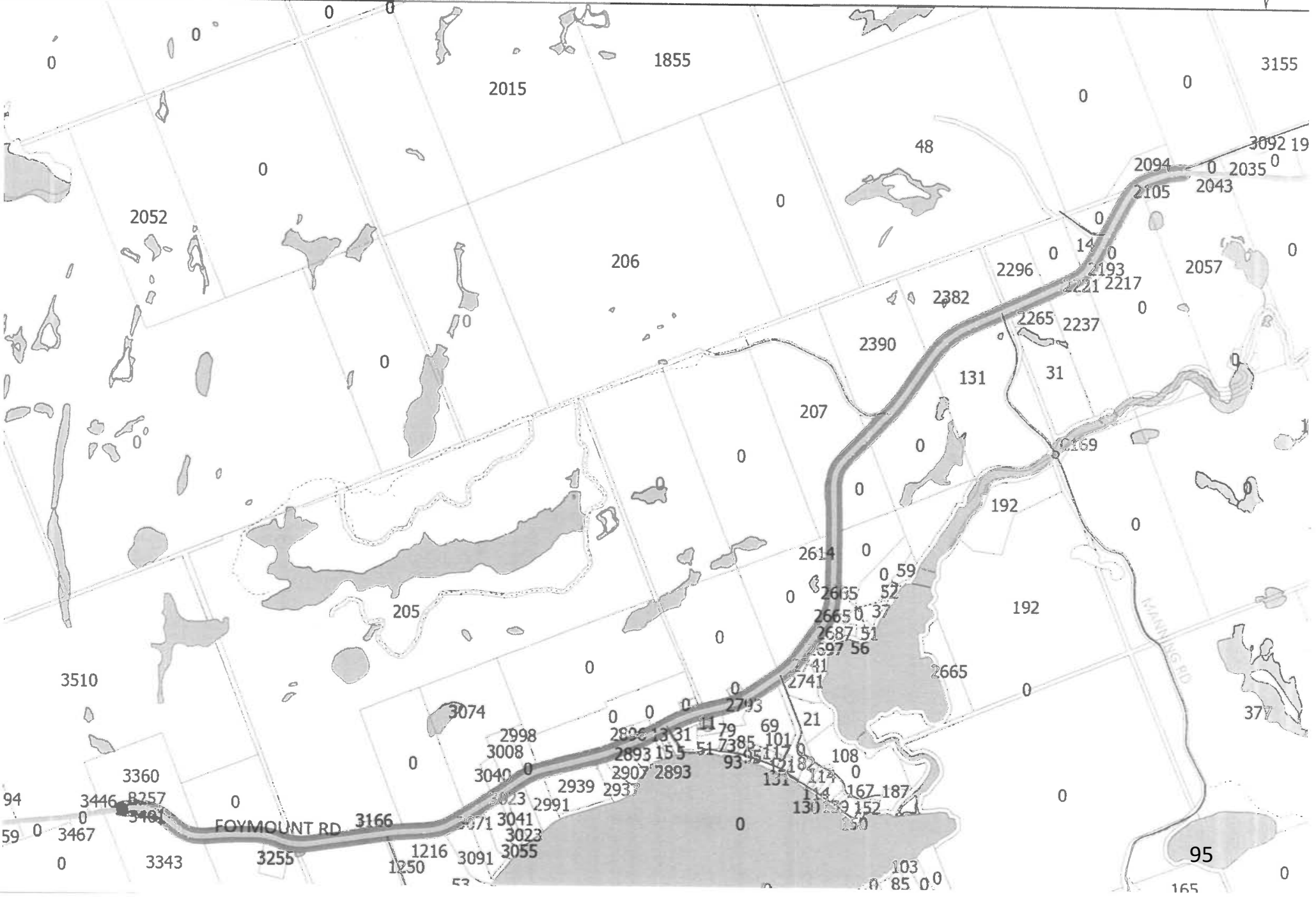
Simon Kasprzak
 SIMON KASPRZAK
 SURVEYOR

**THE PLAN OF SURVEY HELD TO THIS PLAN SUBMISSION FORM NUMBER
 v. 2019**

AK Adam Kasprzak Surveying Ltd.
 408 FREDERICK ST. W. PO. BOX 488
 PRINCE GEORGE BC V2N 4R3
 PHONE 868 738-0944

SCALE: 1 : 500
 FILE: 22-0204-1-11-1

Property Purchases Map



PLAN OF SURVEY OF PART OF LOTS 9, 10, 24, 26 AND 41 REGISTERED PLAN 49M-XXX GEOGRAPHIC TOWNSHIP OF McNAB

TOWNSHIP OF McNAB/BRAESIDE
COUNTY OF RENFREW
AND
PARTIALLY COMPILED PLAN OF PART OF LOTS 2, 4, 5, 7, 8, 11, 12, 14, 15, 17, 18, 20, 21, 23, 25 AND 28 REGISTERED PLAN 49M-XXX GEOGRAPHIC TOWNSHIP OF McNAB

TOWNSHIP OF McNAB/BRAESIDE
COUNTY OF RENFREW
MEINTOSH PERRY SURVEYING INC

SCALE 1:1000
METRIC : DISTANCES AND COORDINATE POINTS ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

SURVEYOR'S CERTIFICATE

I CERTIFY THAT WITH RESPECT TO PARTS 1 TO 13, BOTH INCLUSIVE:
1) THE SURVEY WAS MADE BY ME OR BY AN ASSISTANT UNDER MY SUPERVISION AND THE SURVEY WAS MADE IN ACCORDANCE WITH THE SURVEY ACT, THE SURVEYORS ACT AND THE LAND TRAILS ACT AND THE REGULATIONS AND LAWS THEREIN.
2) THE SURVEY WAS COMPLETED ON THE 20th DAY OF JUNE, 2022.
DATE: JUNE 24, 2022
SIGNATURE: [Signature]
NEW COASTLAND SURVEYING

SURVEYOR'S CERTIFICATE

I CERTIFY THAT WITH RESPECT TO PARTS 14 TO 26, BOTH INCLUSIVE:
1) THE SURVEY WAS MADE BY ME OR BY AN ASSISTANT UNDER MY SUPERVISION AND THE SURVEY WAS MADE IN ACCORDANCE WITH THE SURVEY ACT, THE SURVEYORS ACT AND THE LAND TRAILS ACT AND THE REGULATIONS AND LAWS THEREIN.
2) THE SURVEY WAS COMPLETED ON THE 24th DAY OF JUNE, 2022.
DATE: JUNE 24, 2022
SIGNATURE: [Signature]
NEW COASTLAND SURVEYING

NOTE: (1) WITH RESPECT TO PARTS 14 TO 26, BOTH INCLUSIVE, THE SURVEY WAS MADE IN ACCORDANCE WITH THE SURVEY ACT, THE SURVEYORS ACT AND THE LAND TRAILS ACT AND THE REGULATIONS AND LAWS THEREIN.
(2) PARTS 14 TO 26, BOTH INCLUSIVE, ARE WHOLLY WITHIN THE LIMITS OF LOT 20.
THE PLAN OF SURVEY RELATES TO THIS PLAN SUBMISSION FORM P-2402.

LEGEND AND NOTES

- ① CONTOUR
- ② EGRESS
- ③ EGRESS
- ④ EGRESS
- ⑤ EGRESS
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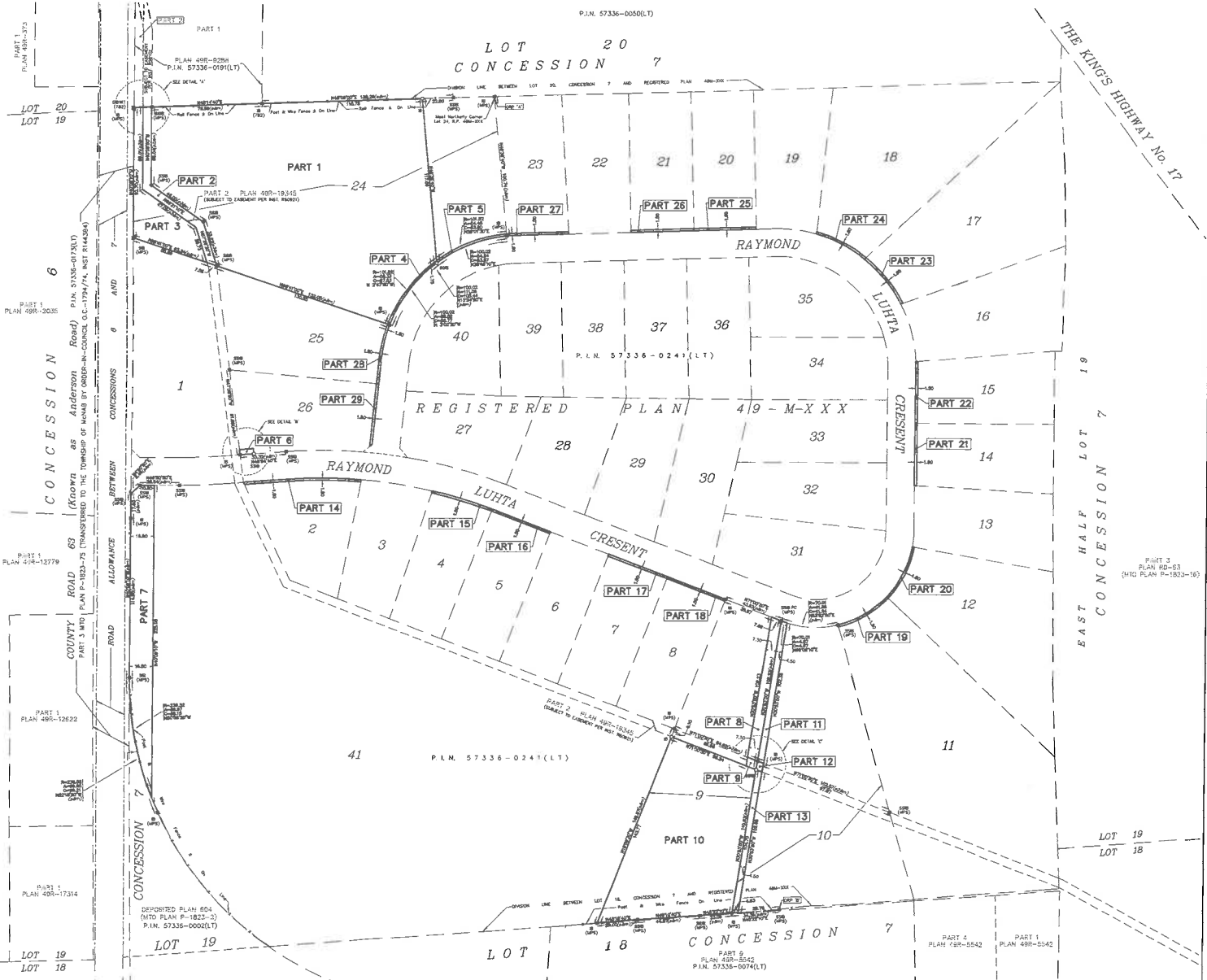
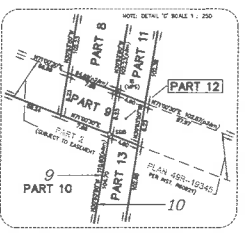
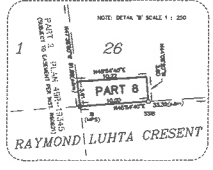
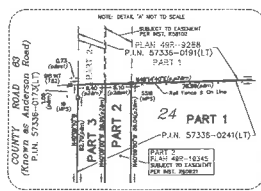
LEGEND AND NOTES

- ① CONTOUR
- ② EGRESS
- ③ EGRESS
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- ⑦ EGRESS
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PLAN 49R-

REGISTERED AND SHOWN
DATE: _____ DATE: _____
JOHN SAUNDERS, O.L.L.

PLAN	LOT	PLAN	SECTION	SECTION
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
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JOB NO. 22-1054 [Stamp] [Stamp]
THIS PLAN WAS PREPARED FOR: [Stamp]
MEINTOSH PERRY
SURVEYING INC.
1450 HURONTARIO ST. #105, MISSISSAUGA, ONT. L4W 1M7
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Examined by: [Stamp] CAD. PL. M.P.

OPERATIONS DIVISION REPORT

Prepared by: Richard Bolduc, A.Sc.T., Manager of Operations

Prepared for: Operations Committee

January 9, 2023

INFORMATION

1. Winter Operations

a) Operational Status and Winter Readiness

Staff are prepared for the 2022/2023 winter season. In this regard, the Department is required to be 50% operational by November 1 and 100% operational by November 15. The Division achieved the 100% operational readiness level by November 1, 2022. Night Patrol shifts began on November 15, 2022 and will continue until April 1, 2023.

b) Winter Operations

The early portion of the 2022/2023 winter season has brought mild weather conditions including rain, freezing rain, light snow, and relatively mild temperatures. A summary of the winter events and precipitation amounts to date are provided in the table below. In viewing the data provided it must be noted that the precipitation recorded are the totals of a mixture of snow, rain and freezing rain, etc. The table also provides a summary of the type of events which were responded to, as well as the type and amount of material used during the response. Staff continues to be ready to respond to winter events as they occur. There were no Significant Weather Events declared in the month of November 2022.

Month	No. of Event Days		Type of Event (days)			Material Used (tonnes)		Precipitation	
	Weekday	Weekend	Snow	Blowing Snow	Freezing Rain	Salt	Sand	Weather Station	Amount (mm)
Nov	8	2	9	0	5	1,128	215.9	Petawawa	31.8
								Bancroft	62.1

2. Quotations and Tenders 2022

A summary of tenders and quotations received in the months of October and November 2022 that have been awarded under the authority of the Director of Public Works and Engineering or the Chief Administrative Officer is as follows:

a) PWO-2022-30 – Sweeper Attachment

1. Elliott Farm Equipment Ltd., Pembroke, ON	\$28,650.00
2. Colvoy Equipment, Brantford, ON	\$30,329.12
3. Aebi Schmidt Canada Inc., St-Andre-Avellin, QC	\$52,563.94
4. Cubex Ltd., Brantford, ON	\$130,000.00
5. Eastern Farm Machinery Ltd., Puslinch, ON	Rejected

The Sweeper Attachment quotation, awarded to Elliott Farm Equipment Ltd., Pembroke, was delivered on December 13, 2022 and placed into service.

b) PWO-2022-36 – Enclosed Trailer

1. Huckabones Equipment, Cobden, ON	\$12,975.00
2. Trucks Plus, Pembroke, ON	Rejected

The Enclosed Trailer quotation, awarded to Huckabones Equipment, Cobden, was delivered on October 31, 2022 and placed into service.

c) PWO-2022-37 – Dual Axle Float

1. Huckabones Equipment, Cobden, ON	\$9,475.00
2. R&M Truck & Trailer Repairs Ltd., Arnprior, ON	\$12,035.00
3. Trucks Plus, Pembroke, ON	Rejected

The Dual Axle Float quotation, awarded to Huckabones Equipment, Cobden, was delivered on October 31, 2022 and placed into service.

d) PWO-2022-39 – Line Paint Machine

1. Preston Hardware Ltd., Ottawa, ON	\$9,965.00
2. Road Services International, Brantford, ON	\$10,180.85
3. Core Equipment Inc., St. Catharines, ON	\$11,631.35

The Line Paint Machine quotation, awarded to Preston Hardware Ltd., Ottawa, is scheduled to be delivered and will be placed into service in 2023.

e) PWO-2022-40 – Offset Roller

1. Cubex Ltd., Brantford, ON \$78,766.28

The Offset Roller quotation, awarded to Cubex Ltd, Brantford, has been partially delivered. The Department is still awaiting additional components.

f) PWO-2022-41 – Shoulder Spreader

1. Cubex Ltd., Brantford, ON \$93,789.02

The Shoulder Spreader quotation, awarded to Cubex Ltd., Brantford, has been partially delivered. The Department is still awaiting additional components.

g) PWO-2022-42 – Slide In U-Body Water Tank

1. Road Maintenance Equipment Services Inc., Cobourg, ON \$35,000.00

The Slide In U-Body Water Tank quotation, awarded to Road Maintenance Equipment Services Inc, Cobourg, is scheduled to be delivered and will be placed into service in the spring of 2023.

For all the above, the amounts exclude HST and the procurements followed the process set out in Corporate Policy GA-01 Procurement of Goods and Services.

3. 2023 Municipal Supply and Service

Staff are in the process of preparing tenders for a variety of procurements relative to the maintenance of the road system. A letter has been circulated to the local municipalities advising them of the planned tenders and providing them an opportunity to participate. Responses will be required from the municipalities no later than February 16, 2023.

4. Fleet Management

a) Disposal of Surplus Vehicles/Equipment

The following items were offered to the local municipalities with no bids received; therefore, the items will now proceed to public auction as soon as practical.

- 2012 Dodge RAM, 1500 Crew Cab 4WD \$1,500
- 2007 Chevrolet Express, Motorized Cutaway Turbo Diesel \$1,000
- 1990 International F-2574, Conventional Cab Water Truck \$5,000
- 2002 Massey Ferguson Tractor \$15,000
- 2012 Diamond C Trailer \$8,000

b) Replacement Tandem Truck and Plow Unit

The Tandem Truck and Plow Unit tender awarded to Valley Truck and Spring Service, Pembroke, ON, (new legal name Rush Truck Centres of Canada Limited) was delivered on December 5, 2022 and placed into service for the current 2022/2023 winter season.