

Committee of Adjustment Application to Planning Department

Complete Application

A complete Committee of Adjustment application consists of the following:

- 1. A properly completed and signed application form (signature must on original version);
- 2. Supporting information adequate to illustrate your proposal as listed in **Section H** of this application form (plans are required in paper copy and digital PDF format);
- 3. Written authorization from all registered owners of the subject lands where the applicant is not the owner as per Section N; and,
- 4. Cash, debit or cheque payable to Norfolk County in the amount set out in the Norfolk County User Fees By-Law.
 - Planning application development fees are not required with the submission of your completed and signed development application. Your planning application fee will be determined by the planner when your application has been verified and deemed complete. Prepayments will not be accepted.
- 5. Completed applications are to be mailed to the attention of Secretary Treasurer Committee of Adjustment: 185 Robinson Street, Suite 200, Simcoe, ON N3Y 5L6 or email your application committee.of.adjustment@norfolkcounty.ca. Make sure submissions are clearly labelled including address, name, and application type. Failure to do so may impact the timing of your application.

The above listed items are required to ensure that your application is given full consideration. An incomplete or improperly prepared application will not be accepted and may result in delays during the processing of the application. This application must be typed or printed in ink and completed in full.

Please review all of the important information summarised below.

Before your Application is Submitted

A pre-consultation meeting is not usually required for Committee of Adjustment applications; however, discussion with Planning Department staff prior to the submission of an application is **strongly encouraged**. The purpose of communicating with a planner **before** you submit your application is: to review your proposal / application, to discuss potential issues; and to determine the required supporting information and materials to be submitted with your application before it can be considered complete by staff. You might find it helpful to retain the services of an independent professional (such as a registered professional planner) to help you with your application. Information about the Official Plan and Zoning By-law can be found on the County website: www.norfolkcounty.ca/planning



After Your Application is Submitted

Once your payment has been received and the application submitted, in order for your application to be deemed complete all of the components noted above are required.

Incomplete applications will be identified and returned to the applicant. The *Planning Act* permits up to 30 days to review and deem an application complete.

Once your application has been deemed complete by the Planning Department, it is then circulated to public agencies and County departments for review and comment. A sign is also provided that is required to be posted on the subject lands that summarizes the application and identifies the committee meeting date. The comments received from members of the community will be included in the planning report and will inform any recommendations in relation to the application.

If the subject lands are located in an area that is regulated by either the Long Point Region Conservation Authority or by the Grand River Conservation Authority an additional fee will be required if review by the applicable agency is deemed necessary. A separate cheque payable to the Long Point Region Conservation Authority or the Grand River Conservation Authority is required in accordance with their fee schedule at the same time your application is submitted.

Additional studies required as part of the complete application shall be at the sole expense of the applicant. In some instances peer reviews may be necessary to review particular studies and that the cost shall be at the expense of the applicant. The company to complete the peer review shall be selected by the County.

If the application is withdrawn prior to the circulation to commenting agencies, the entire original fee will be refunded. If withdrawn after the circulation to agencies, half the original fee will be refunded. No refund is available after the public meeting and/or approval of application.

Notification Sign Requirements

Planning Department staff may post a notification sign on your property in advance of the public meeting on your behalf. Please keep this sign posted until you have received a notice in the mail indicating that the Secretary Treasurer received no appeals. However, it is the applicant's responsibly to ensure that the sign is correctly posted within the statutory timeframes, according to the *Planning Act*. Failure to post a sign in advance of the public meeting in accordance with statutory requirements will impact the timing of your application at the Committee of Adjustment meeting. Applicants are responsible for removal of the sign following the appeal period. The signs are recyclable and can be placed in your blue box.

Contact Us

For additional information or assistance in completing this application, please contact a planner at 519-426-5870 ext. 1842 or Committee.of.Adjustment@NorfolkCounty.ca



For Office Use Only: File Number Related File Number Pre-consultation Meeting Application Submitted Complete Application	Well & Septic Info Provided Planner
Check the type of planning applic	ation(s) you are submitting.
☐ Minor Variance☐ Easement/Right-of-Way	ce and Zoning By-law Amendment
Property Assessment Roll Number	:r:
A. Applicant Information	
Name of Owner	
It is the responsibility of the owner of ownership within 30 days of such a	r applicant to notify the planner of any changes in change.
Address	
Town and Postal Code	
Phone Number	
Cell Number	
Email	
Name of Applicant	
Address	
Town and Postal Code	
Phone Number	
Cell Number	
Email	



Na	ame of Agent		
Ad	Idress		
То	wn and Postal Code		
Ph	one Number		
Сє	ell Number		
En	nail		
all	• •	otices in respect of th	nould be sent. Unless otherwise directed, nis application will be forwarded to the
	Owner	☐ Agent	☐ Applicant
	ames and addresses of cumbrances on the sub	,	ortgagees, charges or other
B. 1.		• .	nship, Concession Number, Lot Number
	Municipal Civic Addre		
	Present Official Plan [
	Present Zoning:		
2.	<u> </u>		zone on the subject lands?
	☐ Yes ☐ No If yes,		
3.	Present use of the sub	oject lands:	



4.	Please describe all existing buildings or structures on the subject lands and whether they are to be retained, demolished or removed. If retaining the buildings or structures, please describe the type of buildings or structures, and illustrate the setback, in metric units, from front, rear and side lot lines, ground floor area, gross floor area, lot coverage, number of storeys, width, length, and height on your attached sketch which must be included with your application:
5.	If an addition to an existing building is being proposed, please explain what it will be used for (for example a bedroom, kitchen, or bathroom). If new fixtures are proposed, please describe.
6.	Please describe all proposed buildings or structures/additions on the subject lands. Describe the type of buildings or structures/additions, and illustrate the setback, in metric units, from front, rear and side lot lines, ground floor area, gross floor area, lot coverage, number of storeys, width, length, and height on your attached sketch which must be included with your application:
7.	Are any existing buildings on the subject lands designated under the <i>Ontario Heritage Act</i> as being architecturally and/or historically significant? Yes \square No \square If yes, identify and provide details of the building:
8.	If known, the length of time the existing uses have continued on the subject lands:
9.	Existing use of abutting properties:
10	Are there any easements or restrictive covenants affecting the subject lands? ☐ Yes ☐ No If yes, describe the easement or restrictive covenant and its effect:



C. Purpose of Development Application

Note: Please complete all that apply. Failure to complete this section will result in an incomplete application.

1. Site Information (Please refer to Zoning By-law to confirm permitted dimensions)

	Existing	Permitted	Provision	Proposed	Deficiency
Lot frontage					
Lot depth					
Lot width					
Lot area					
Lot coverage					
Front yard					
Rear yard					
Height					
Left Interior side yard					
Right Interior side yard					
Exterior side yard (corner lot)					
Parking Spaces (number)					
Aisle width					
Stall size					
Loading Spaces					
Other					



Please explain w By-law:	why it is not possible to comply with the provision(s) of the Zoning
Consent/Severa severed in metric Frontage:	ance/Boundary Adjustment: Description of land intended to be units:
Depth:	
Width:	
Lot Area:	
Present Use:	
Proposed Use:	
Proposed final lo	ot size (if boundary adjustment):
If a boundary ad	justment, identify the assessment roll number and property owner of
the lands to which	th the parcel will be added:
Description of lar	nd intended to be retained in metric units:
Depth:	
Width:	
Lot Area:	
Present Use:	
Proposed Use:	
Buildings on reta	ined land:
Easement/Right units: Frontage:	t-of-Way: Description of proposed right-of-way/easement in metric
Depth:	



Width:	
Area:	
Proposed Use:	
 Surplus Farm Dwelling Severances Only: List all proposition which are owned and farmed by the applicant and involved. 	•
Owners Name:	
Roll Number:	
Total Acreage:	
Workable Acreage:	
Existing Farm Type: (for example: corn, orchard, livestock)	
Dwelling Present?: \square Yes \square No If yes, year dwelling but	ilt
Date of Land Purchase:	
Owners Name: Roll Number: Total Acreage: Workable Acreage:	
Existing Farm Type: (for example: corn, orchard, livestock)	
Dwelling Present?: \square Yes \square No If yes, year dwelling but	ilt
Date of Land Purchase:	
Owners Name: Roll Number: Total Acreage:	
Workable Acreage:	
Existing Farm Type: (for example: corn, orchard, livestock)	
Dwelling Present?: ☐ Yes ☐ No If yes, year dwelling bu	
Date of Land Purchase:	



Owners Name:
Roll Number:
Total Acreage:
Workable Acreage:
Existing Farm Type: (for example: corn, orchard, livestock)
Dwelling Present?: ☐ Yes ☐ No If yes, year dwelling built
Date of Land Purchase:
Owners Name:
Roll Number:
Total Acreage:
Workable Acreage:
Existing Farm Type: (for example: corn, orchard, livestock)
Dwelling Present?: ☐ Yes ☐ No If yes, year dwelling built
Date of Land Purchase:
Note: If additional space is needed please attach a separate sheet.
D. All Applications: Previous Use of the Property
Has there been an industrial or commercial use on the subject lands or adjacent lands? ☐ Yes ☐ No ☐ Unknown
If yes, specify the uses (for example: gas station, or petroleum storage):
2. Is there reason to believe the subject lands may have been contaminated by former uses on the site or adjacent sites? ☐ Yes ☐ No ☐ Unknown
3. Provide the information you used to determine the answers to the above questions:



4.	If you answered yes to any of the above questions in Section D, a previous use inventory showing all known former uses of the subject lands, or if appropriate, the adjacent lands, is needed. Is the previous use inventory attached? \square Yes \square No			
E.	E. All Applications: Provincial Policy			
1.	Is the requested amendment consistent with the provincial policy statements issued under subsection 3(1) of the <i>Planning Act, R.S.O. 1990, c. P. 13</i> ? \square Yes \square No			
	If no, please explain:			
2.	It is owner's responsibility to be aware of and comply with all relevant federal or provincial legislation, municipal by-laws or other agency approvals, including the Endangered Species Act, 2007. Have the subject lands been screened to ensure that development or site alteration will not have any impact on the habitat for endangered or threatened species further to the provincial policy statement subsection 2.1.7? Yes No			
	If no, please explain:			
3.	Have the subject lands been screened to ensure that development or site alteration will not have any impact on source water protection? \square Yes \square No			
	If no, please explain:			
	Note: If in an area of source water Wellhead Protection Area (WHPA) A, B or C please attach relevant information and approved mitigation measures from the Risk Manager Official.			



4.	All Applications: Are any of the following uses or features on the subject lands or within 500 metres of the subject lands, unless otherwise specified? Please check boxes, if applicable.
	Livestock facility or stockyard (submit MDS Calculation with application)
	☐ On the subject lands or ☐ within 500 meters – distance
	Wooded area ☐ On the subject lands or ☐ within 500 meters – distance
	Municipal Landfill ☐ On the subject lands or ☐ within 500 meters – distance
	Sewage treatment plant or waste stabilization plant ☐ On the subject lands or ☐ within 500 meters – distance
	Provincially significant wetland (class 1, 2 or 3) or other environmental feature ☐ On the subject lands or ☐ within 500 meters – distance
	Floodplain ☐ On the subject lands or ☐ within 500 meters – distance
	Rehabilitated mine site ☐ On the subject lands or ☐ within 500 meters – distance
	Non-operating mine site within one kilometre ☐ On the subject lands or ☐ within 500 meters – distance
	Active mine site within one kilometre ☐ On the subject lands or ☐ within 500 meters – distance
	Industrial or commercial use (specify the use(s)) ☐ On the subject lands or ☐ within 500 meters – distance
	Active railway line ☐ On the subject lands or ☐ within 500 meters – distance
	Seasonal wetness of lands ☐ On the subject lands or ☐ within 500 meters – distance
	Erosion □ On the subject lands or □ within 500 meters – distance
	Abandoned gas wells ☐ On the subject lands or ☐ within 500 meters — distance



F. All Applications: Servicing and Access 1. Indicate what services are available or proposed: Water Supply ☐ Municipal piped water ☐ Communal wells ☐ Individual wells ☐ Other (describe below) Sewage Treatment ☐ Municipal sewers ☐ Communal system ☐ Septic tank and tile bed in good working order ☐ Other (describe below) Storm Drainage ☐ Storm sewers □ Open ditches ☐ Other (describe below) 2. Existing or proposed access to subject lands: ☐ Municipal road ☐ Provincial highway ☐ Unopened road ☐ Other (describe below) Name of road/street: G. All Applications: Other Information 1. Does the application involve a local business? \square Yes \square No If yes, how many people are employed on the subject lands? 2. Is there any other information that you think may be useful in the review of this application? If so, explain below or attach on a separate page.



H. Supporting Material to be submitted by Applicant

In order for your application to be considered complete, folded hard copies (number of paper copies as directed by the planner) and an **electronic version (PDF) of the site plan drawings, additional plans, studies and reports** will be required, including but not limited to the following details:

- 1. Concept/Layout Plan
- 2. All measurements in metric
- 3. Existing and proposed easements and right of ways
- 4. Parking space totals required and proposed
- 5. All dimensions of the subject lands
- 6. Dimensions and setbacks of all buildings and structures
- 7. Location and setbacks of septic system and well from all existing and proposed lot lines, and all existing and proposed structures

In addition, the following additional plans, studies and reports, including but not limited

- 8. Names of adjacent streets
- 9. Natural features, watercourses and trees

to, may also be required as part of the complete application submission:

On-Site Sewage Disposal System Evaluation Form (to verify location and condition)

Environmental Impact Study

Geotechnical Study / Hydrogeological Review

Minimum Distance Separation Schedule

Record of Site Condition

Your development approval might also be dependent on Ministry of Environment Conservation and Parks, Ministry of Transportation or other relevant federal or provincial legislation, municipal by-laws or other agency approvals.

All final plans must include the owner's signature as well as the engineer's signature and seal.



I. Transfers, Easements and Postponement of Interest

The owner acknowledges and agrees that if required it is their solicitor's responsibility on behalf of the owner for the registration of all transfer(s) of land to the County, and/or transfer(s) of easement in favour of the County and/or utilities. Also, the owner further acknowledges and agrees that it is their solicitor's responsibility on behalf of the owner for the registration of postponements of any charges in favour of the County.

Permission to Enter Subject Lands

Permission is hereby granted to Norfolk County officers, employees or agents, to enter the premises subject to this application for the purposes of making inspections associated with this application, during normal and reasonable working hours.

Freedom of Information

For the purposes of the *Municipal Freedom of Information and Protection of Privacy Act*, I authorize and consent to the use by or the disclosure to any person or public body any information that is collected under the authority of the *Planning Act, R.S.O. 1990, c. P. 13* for the purposes of processing this application.

Owner/Applicant/Agent Signature	Date
J. Owner's Authorization	
If the applicant/agent is not the registered or application, the owner must complete the a	-
I/We	am/are the registered owner(s) of the
lands that is the subject of this application.	
I/We authorize	personal information necessary for the
Owner	Date
Owner	Date

*Note: If property is owned by an Ontario Ltd. Corporation, Articles of Incorporation are required to be attached to the application.



K. Declaration	
l,	_of
solemnly declare that:	
all of the above statements and the state transmitted herewith are true and I make believing it to be true and knowing that it under oath and by virtue of <i>The Canada</i>	this solemn declaration conscientiously is of the same force and effect as if made
Declared before me at:	
	Owner/Applicant/Agent Signature
In	
Thisday of	
A.D., 20	
A Commissioner, etc.	



I. Transfers, Easements and Postponement of Interest

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I authorize and consent to the use by or the	disclosure to any person or public body any
information that is collected under the autho	rity of the Planning Act, R.S.O. 1990, c. P.
13 for the purposes of phocessing this applic	ation.
/ Ja un	August 29 2025
Owner/Applicant/Agent Signature	Date
J. Owner's Authorization	
If the applicant/agent is not the registered ow application, the owner must complete the au	
_{I/We} Diane Luke	am/are the registered owner(s) of the
lands that is the subject of this application.	nodes innocediment
I/We authorize Kayla DeLeye	to make this application on
my/our behalf and to provide any of my/our p	personal information necessary for the
processing of this application. Moreover, this	s shall be your good and sufficient
authorization for so doing. /	
10 July luke	August 29 2025
Owner	Date
	August 29 2025
Owner	Date

*Note: If property is owned by an Ontario Ltd. Corporation, Articles of Incorporation are required to be attached to the application.



K. Declaration I, WONDY DIANE LUKE of	SINICOE, NORFOLD COUNT
solemnly declare that:	
all of the above statements and the statements contransmitted herewith are true and I make this soler believing it to be true and knowing that it is of the sunder oath and by virtue of <i>The Canada Evidence</i>	mn declaration conscientiously same force and effect as if made
Declared before me at:	Denhun.
In Norfolk County	Owner/Applicant/Agent Signature
This day of	
A.D., 20 <u>25</u>	
Olevi Devis	
A Commissioner, etc.	
Commissioner, etc., Province of Onto Commissioner, etc., Province of Norfolk Col for the Corporation of Norfolk Col for the May 23, 2021.	arto. untv





311 VICTORIA STREET NORTH
KITCHENER / ONTARIO / N2H 5E1
519-742-8979

June 2, 2025 File No.: G21306

Charlie and Diane Luke

Charles Luke 595 Hillcrest Road, RR2 Simcoe, ON N3Y 3K1

Attention: Mr. and Mrs. Luke

RE: Slope Stability Assessment

Proposed Cottage

Part Lots 24, 25 and 26 Registered Plan 166 Hillside Avenue, Normandale, Ontario

1.0 INTRODUCTION

CHUNG & VANDER DOELEN ENGINEERING LTD. (CVD) has been retained by Mr. and Mrs. Luke to conduct a slope stability assessment to evaluate the feasibility of constructing a small cottage on their property located on Hillside Avenue in Normandale, Ontario.

The purpose of the investigation is to provide comprehensive assessment of the soil and groundwater conditions at the site and to determine the applicable setback from the top of the slope for the proposed cottage.

The methodology presented herein will be carried out in general accordance with the policies and the guidelines listed below:

- Technical Guide River and Stream Systems: Erosion Hazard Limit, Ontario Ministry of Natural Resources, 2002
- "Technical Guide Great Lakes St. Lawrence River Shorelines" Ontario Ministry of Natural Resources, 2001
- Policies for the Administration of the Prohibited Activities, Exemptions and Permits Regulation,
 Ontario Regulation 41/24, Long Point Region Conservation Authority, Revised April 3, 2024

2.0 FIELD WORK

Two (2) boreholes designated as Boreholes 1 and 2 were advanced to depths ranging from 3.5 to 26.4 m below ground surface on April 15, 2025, to determine and assess the subsurface conditions at the site.

Page 2

The borehole locations are illustrated on the Borehole and Slope Cross Section Location Plan, Drawing No. 1.

The field work was carried out under the supervision of a member of our engineering team, who logged the boreholes in the field, effected the subsurface sampling, and monitored the groundwater conditions.

The boreholes were advanced using a truck-mounted CME-75 drill rig, supplied, and operated by a specialist drilling contractor. The drill rig was equipped with continuous flight hollow stem augers and standard soil sampling equipment. Standard penetration tests (SPTs) in accordance with ASTM Specification D1586, were carried out at frequent intervals of depth, and the results are shown on the Borehole Logs as Penetration Resistance or "N"-values.

The boreholes were surveyed by CVD for the purpose of this report using a Network RTK Global Navigation Satellite System (GNSS) Receiver. The survey data was collected using the UTM Zone 17N Projection, NAD83(CSRS)v7-2010 datum and Canada Geoid Model HT2_2010v70 (CGVD28).

3.0 LABORATORY TESTING

Soil samples obtained from the in-situ tests were examined in the field and subsequently taken to our laboratory for detailed examination and laboratory testing. Geotechnical testing conducted at CVD's laboratory included natural moisture content determination of all retrieved samples and three (3) grain size distribution analyses.

4.0 EXISTING SITE AND SLOPE CONDITIONS

The site is located on the south side of Hillside Avenue in Normandale, Ontario, and comprises three part lots—Part Lots 24, 25, and 26—on Registered Plan 166. The property is perched atop a bluff that slopes down toward Lake Erie, with sloped terrain along its southern and eastern boundaries. An existing walk-out style residential dwelling is located immediately to the west.

Based on a review of the topographic survey by Michael W. Yeo Ontario Land Surveyor (Dwg Part1TOPO, dated February 2025), the eastern slope is approximately 14 to 16 m high, with an inclination of about 2.8±H:1V at the base, steepening to approximately 1.2±H:1V in the upper third of the slope. The southern slope ranges from 4 to 6 m in height and has an inclination of 1.8H:1V. The upper portion of the southern slope includes a 2 m high tier with a gentler inclination of 2.8±H:1V; however, it is anticipated that this section will be re-graded flatter to accommodate a walk-out style basement for the proposed cottage similar to the existing dwelling located to the west.

Existing residential dwellings are located between the toe of the eastern slope and the shoreline of Lake Erie. This area also includes shoreline protection features, and concrete retaining walls associated with these dwellings. At the toe of the southern slope, a landscaped area and driveway belonging to the residential dwelling to the southeast are also present.



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A site reconnaissance was carried out on March 24, 2025, to document the condition of the existing slope and to complete the Ontario Ministry of Natural Resources & Forestry (MNRF) Slope Stability Rating Chart. Overall, the slope's topography appeared consistent with the contour data available from the topographic survey. The face of the slope is well vegetated with heavy shrubs, grasses, and mature trees. There were no signs of past or present landslide activity, nor were any indications of active erosion, seepage or instability observed at the top, along the faces, or at the toe of the slope.

The MNRF Slope Stability Rating Chart was completed based on the results of the site reconnaissance and is enclosed for reference in Appendix B. The MNRF Slope Stability Rating Chart classifies instability potential into three categories: "low potential," "slight potential," or "moderate potential". Based on the rating value of 38, the existing slope is assessed to have a "moderate potential" of instability, warranting the implementation of borehole drilling, installation of monitoring wells, laboratory testing, site surveying, and preparation of a detailed geotechnical report as part of this slope stability assessment.

Site photographs taken during the site reconnaissance are provided for reference in Appendix A.

5.0 SUBSURFACE CONDITIONS

5.1 General

The detailed subsurface conditions encountered in the boreholes advanced as part of this investigation are shown on the Borehole Log Sheets, Enclosures 1 and 2. The following sections provide descriptions of the major deposits encountered in the borehole. Enclosure A provides explanations of the various soil abbreviations and terms used on these borehole log sheets.

The stratigraphic boundaries shown on the borehole log are inferred from non-continuous sampling conducted during advancement of the borehole drilling procedures and, therefore, represent transitions between soil types rather than exact planes of geologic change. The subsurface conditions will vary beyond the borehole location.

5.2 Topsoil

Topsoil with a measured thickness of 50 mm was encountered at the ground surface at Boreholes 1 and 2.

5.3 Fill

Fill materials were encountered below the topsoil in Boreholes 1 and 2, extending to depths ranging from 3.1 to 3.2 m below existing grade. Hand-dug test pits revealed negligible amounts of fill were present beneath the topsoil at the top of the existing slope. The fill generally consisted of silty sand containing trace gravel and clay. Occasional organics, rootlets, and asphalt fragments were noted within the fill.



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The Standard Penetration Test (SPT) "N"-values measured within the fill ranged from weight of hammer (advancement of the split-spoon sampler under the weight of the drill rods, anvil, and hammer) to 4 blows per 300 mm of penetration, indicating a very loose compactness condition.

The measured moisture contents of the samples collected from this layer ranged between 9 and 16%, thus indicating the material is moist to wet.

5.4 Sand

Fine sand, containing trace to some silt was encountered beneath the fill in both boreholes. In Borehole 1, this deposit extended to a depth of 15.3 m, while Borehole 2 was terminated within this layer at a depth of 3.5 m. This deposit contained occasional silt seams and layers. Additionally, a saturated sand and silt layer approximately 2.2 m thick was encountered interlayered within this deposit between 8.5 and 10.7 m depth. The results of one (1) grain size distribution analysis are shown graphically on Enclosure 3.

Standard Penetration Test (SPT) "N"-values recorded within this deposit ranged from 6 blows per 300 mm of penetration to over 50 blows per 150 mm of penetration, indicating a loose to very dense compactness condition. The upper portion of the deposit was typically compact, transitioning to a very dense condition with increasing depth of penetration.

The measured moisture contents of the samples collected from this deposit ranged between 3 and 14%, thus indicating the material is moist to wet. A higher moisture content of 30% was measured within the saturated sand and silt interlayer.

5.5 Sand and Silt to Silt, some Sand

A deposit ranging from sand and silt to silt with some sand was encountered beneath the sand in Borehole 1, extending until the borehole termination at a depth of 26.4 m. The results of two (2) grain size distribution analyses are shown graphically on Enclosures 4 and 5.

The Standard Penetration Test (SPT) "N"-values measured within this deposit ranged from 35 blows per 300 mm of penetration to greater than 50 blows per 150 mm penetration, indicating a dense to very dense compactness condition.

The measured moisture contents of the samples collected from this deposit ranged between 19 and 24%, thus indicating the material is saturated.



June 2, 2025 File No.: G21306

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5.6 Groundwater

Following the completion of drilling, a 50 mm diameter groundwater monitoring well with a 3.0 m long screened interval was installed in Borehole 1 to a depth of 16.8 m below the existing grade. The following table presents the water level reading obtained by CVD on May 1, 2025:

	Existing Ground	Groundwater Measurement May 1, 2025	
Borehole No.	Surface Elevation		
(m)	Depth (m)	Elevation (m)	
BH 1	194.58	15.60	178.98

Based on the water level measured in the monitoring well, the groundwater table at the borehole location is at a depth of 15.6± m below existing ground surface, corresponding to an elevation of 179.00± m. The groundwater table is expected to follow the slope contour with a downward hydraulic gradient towards Lake Erie. The water level in Lake Erie during the investigation period was at an approximate elevation of 174.50 m according to water level data recorded at the Port Dover gauging station operated by Fisheries and Oceans Canada.

It is noted that the observed groundwater table will fluctuate seasonally and in response to major weather events.

6.0 SLOPE STABILITY ANALYSES

Two (2) representative slope cross-sections (Sections A-A' and B-B') were generated based on a topographic survey completed by Michael W. Yeo, Ontario Land Surveyor (Dwg Part1TOPO, dated February 2025) in order to perform slope stability analyses which represent the varying soil conditions and slope inclinations across the site. The locations of these cross-sections are illustrated on the Borehole and Slope Cross Section Location Plan (Drawing 1), with detailed slope stability analysis results provided in Appendix C.

The soil parameters and groundwater levels used in the slope stability analyses were determined based on the field and laboratory test results from the current investigation, as well as our experience with similar soil types. The selected "effective stress - drained condition" soil parameters were used to perform the stability analyses with the use of the slope stability modeling software Slide by Rocscience Inc., applying the Morgenstern-Price method of analysis.

The following soil strength parameters were used in the stability analyses:



Soil Type	Unit Weight (kN/m³)	Friction Angle (φ°)	Cohesion (kPa)
Fill	17	28	0
Fine Sand (Upper)	19	33	0
Fine Sand (Lower)	21	38	0
Sand and Silt, to Silt, some Sand	21	32	0

A groundwater level of 15.6 m below the borehole locations was selected for the analysis, based on the results of the groundwater level recorded in the monitoring well. The groundwater table was modeled to follow the natural slope topography beyond the boreholes, ultimately aligning with the water level of Lake Erie.

The results of the slope stability analyses are presented graphically in Appendix C. The top and bottom elevations of the slopes, existing average slope inclinations and stable slope inclinations for each section are as follows:

Section	Top of Slope Elevation (m)	Bottom of Slope Elevation (m)	Existing Slope Inclination	Stable Slope Inclination
A-A'	193.60	178.80	2.4H:1V (lower) 1.2H:1V (upper)	2.0H:1V
B-B'	192.35*	187.80	1.8H:1V	1.8H:1V

^{*}Top of slope assessed to be at elevation 192.35 m, as it is assumed that the "upper slope" in the fill soils will be re-graded to accommodate a walk out style cottage similar to the adjacent property to the west.

The Ontario Ministry of Natural Resources River and Stream Systems and Great Lakes Technical Guides specify a Factor of Safety of 1.3 to 1.5 for land uses classified as "Active". In our analyses, a minimum Factor of Safety of 1.4 was used.

The results of the analyses indicate that Section A-A has a Factor of Safety less than 1.4 and is therefore not considered stable at the current inclinations. Several iterations with flatter slope inclinations were conducted until the Factor of Safety was equal or greater than 1.4. These analyses showed that Section A-A' is stable at an inclination of 2.0H:1V.

Section B-B' was evaluated to have a Factor of Safety equal to or greater than 1.4, therefore the existing slope is considered stable at its current inclination of 1.8H:1V.

It is noted that the contribution of the existing shoreline protection features or existing concrete retaining walls at the base of Section A-A' were not considered in the stability analysis.



June 2, 2025

Page 6

File No.: G21306

6.1 Development Setback Requirements

Reference is made to Drawing 2 which outlines the Erosion Hazard Limits for Great Lakes and St. Lawrence River Shorelines.

In areas without flooding or dynamic beach hazards, the total development setback for Great Lakes and St. Lawrence River Shorelines is calculated as the sum of the Stable Slope Allowance plus 100 times the average annual recession rate (i.e., 100-year recession) measured landward from the toe of the shoreline cliff, bluff, or bank for shorelines where a minimum of 35 years of recession information is available. Where there is insufficient data to estimate an average annual recession rate, an erosion allowance equal to 30 m (100 feet) is used.

Toe Erosion Allowance

Based on initial consultation with the LPRCA, it is understood that this development qualifies as "infill," allowing for a reduced planning horizon from 100 years to 60 years. As such, an erosion allowance of 18 m has been applied to determine the required development setback, measured landward from the existing shoreline protection along Section A–A'.

No toe erosion allowance is required for Section B–B', as there are no identified erosion hazards at the base of the slope in this area.

Stable Slope Allowance

The stability analyses indicated that Section B-B' is stable at its present inclination of 1.8H:1V. These analyses also showed that Section A-A' would be stable at an inclination of 2.0H:1V.

It is therefore recommended that the stable slope allowance be based on a line inclined upwards from the landward limit of the Toe Erosion Allowance or from the toe of slope where no Toe Erosion Allowance is applicable.

Total Development Setback

The table below summarizes the total development setback for the proposed development:

Section	Toe Erosion Allowance (m)	Net Stable Slope Allowance (m)	Stable Top of Slope (Total Development Setback from Current Top of Slope) (m)
A-A'	18.0	18.1	18.1
B-B'	0.0	0.0	0.0



The above setback components are illustrated on the detailed slope stability analysis results provided in Appendix C. The Borehole and Slope Cross Section Location Plan, Drawing No. 1 shows the current top of slope and stable top of slope lines.

Future Retaining Wall Construction

It is assumed that retaining walls may be constructed near the toe of the south slope to create additional usable space for the installation of a septic system at the rear of the proposed cottage. It should be noted that any retaining wall construction in this area would be subject to approval from the Long Point Region Conservation Authority (LPRCA).

From a geotechnical perspective, if an adequately designed retaining wall is constructed in this location, the top of the stable slope may be considered as the top of the retaining wall, provided that the backslope does not exceed an inclination of 5H:1V.

Any future retaining walls must be designed by a Professional Engineer, and global stability analyses should be performed to ensure that the wall has an adequate factor of safety against deep-seated rotational failure. It is recommended that CVD be retained to review the details of any proposed retaining walls in this area.

7.0 RECOMMENDATIONS

The following general recommendations should be considered during and following construction:

- Ensure adequate erosion and sediment control measures are implemented prior to construction.
- 2. Avoid raising the grades at the top of the slope higher than the existing elevations.
- 3. Preserve existing vegetation to the greatest extent possible and restore as needed to enhance surficial stability and protect against erosion.
- 4. Apply temporary stabilization measures, such as erosion control blankets, geotextiles, hydroseeding, or mulching, on any exposed soil surfaces to prevent erosion. These measures should remain in place until permanent vegetation is established.
- 5. Continuously monitor the slope for signs of instability, such as cracking, slumping, or erosion and conduct regular visual inspections, especially after significant weather events.
- 6. Excavated soil and construction materials should not be stockpiled within 6 m of the existing top of slope.
- 7. Construction drainage should be directed away from the slope, and outlets should be equipped with adequate erosion and sediment control measures.
- 8. Grading and site drainage should be designed to minimize runoff and prevent concentrated flow over the slope.
- 9. Ensure rainwater leaders discharge to suitable outlets to minimize water flow over the slope.
- 10. Establish post-construction maintenance plans for slope vegetation and drainage systems.



If you have any questions or comments, please do not hesitate to contact the undersigned.

Yours truly,

CHUNG & VANDER DOELEN ENGINEERING LTD.



8345506 June 2, 2025 Eric Y. Chung, M.Eng., P.Eng.

Enclosures:

Enclosure A – Soil Abbreviations and Terms Used on Record of Borehole Log Sheets Enclosures 1 and 2 – Borehole Log Sheets 1 and 2 Enclosures 3 to 5 – Grain Size Distribution Charts

Drawing 1 – Borehole and Slope Cross-section Location Plan Drawing 2 - MNRF Erosion Hazard Limit Great Lakes - St. Lawrence River Shoreline

Appendix A – Site Photographs

Appendix B – Slope Stability Rating Chart

Appendix C – Slope Stability Analyses



ENCLOSURES



Soil Abbreviations and Terms Used on Record of Borehole Sheets

TERMINOLOGY DESCRIBING COMMON SOIL TYPES:

Topsoil	- mixture of soil and humus capable of supporting vegetation
Peat	 mixture of visible and invisible fragments of decayed organic matter
Till	 unstratified glacial deposit which may range from clay to boulders
Fill	 soil materials identified as being placed anthropologically

CLASSIFICATION (UNIFIED SYSTEM)

Clay	<0.002mm	
Silt	0.002 to .075mm	
Sand	0.075 to 4.75mm	
	Fine	0.075 to 0.425 mm
	Medium	0.425 to 2.0 mm
	Coarse	2.0 to 4.75 mm
Gravel	4.75 to 75mm	
	Fine	4.75 to 19 mm
	Coarse	19 to 75 mm
Cobbles	75 to 300mm	
Boulders	>300mm	
	Coarse 75 to 300mm	

TERMINOLOGY

Soil Composition	% by Weight
"traces"	<10%
"some"(eg. some silt)	10-20%
Adjective (eg. sandy)	20-35%
"and"(eg. sand and gravel)	35-50%

Standard Penetration Resistance (SPT): Standard Penetration Resistance ('N' Values) refers to the number of blows required to advance a standard (ASTM D1586) 51 mm Ø (2 inch) split-spoon sampler by the use of a free falling, 63.5 Kg (140lbs) hammer. The number of blows from the drop weight is recorded for every 15 cm (6 inches). The hammer is dropped from a distance of 0.76m (30 inches) providing 474.5 Joules per blow. When the sampler is driven a total of 45 cm (18 inches) into the soil, the standard penetration index ('N' Value) is the total number of blows for the last 30 cm (12 inches).

Dynamic Cone Penetration Resistance (DCPT): Dynamic Cone Penetration Resistance is similar to a SPT with the 474.5 Joule/blow impulse provided by the free falling hammer where the split-spoon sampler is replaced by a 51 mm \emptyset , 60° conical point and the number of blows is recorded continuously for every 30 cm (12 inches).

COHESIVE SOILS CONSISTENCY

	(kPa)	(P.S.F.)	Nominal 'N' Value
Very Soft	<12	<250	0-2
Soft	12-25	250-500	2-4
Firm	25-50	500-1000	4-8
Stiff	50-100	1000-2000	8-15
Very Stiff	100-200	2000-4000	15-30
Hard	>200	>4000	>30

RELATIVE DENSITY OF COHESIONLESS SOIL

	'N' Value
Very Loose	0-4
Loose	4-10
Compact	10-30
Dense	30-50
Very Dense	>50

MOISTURE CONDITIONS:

Cohesive Soil	
DTPL- Drier than plastic limit	
APL- About plastic limit	
WTPL- Wetter than plastic limit	
MWTPL- Much wetter than plastic limit	

Cohesionless Soil	
Damp	
Moist	
Wet	
Saturated	

UNC

SAMPLE TYPES AND ADDITIONAL FIELD TESTS

SS	Split Spoon Sample	GS	Grab Sample	PP	Pocket Penetrometer	
	(obtained from SPT)	BS	Bulk Sample	VANE	Peak & Remolded shear	
AS Auger Sample		TW	Thin Wall Sample or Shelby Tube	DMT	Flat Plate Dilatometer	
LAB	ORATORY TESTS					
SG	Specific Gravity	S	Sieve Analysis	W	Water Content	
Н	Hydrometer	Р	Field Permeability	K	Lab Permeability	
W_p	Plastic Limit	\mathbf{W}_{I}	Liquid Limit	l _p	Plasticity Index	

Consolidation



GSA

Grain Size Analysis

Unconfined compression

FILE No: G21306

BOREHOLE No. 1

Enclosure No.: 1 Sheet 1 of 2

0

Client: Mr. Charles Luke

Project: Slope Stability Assesment

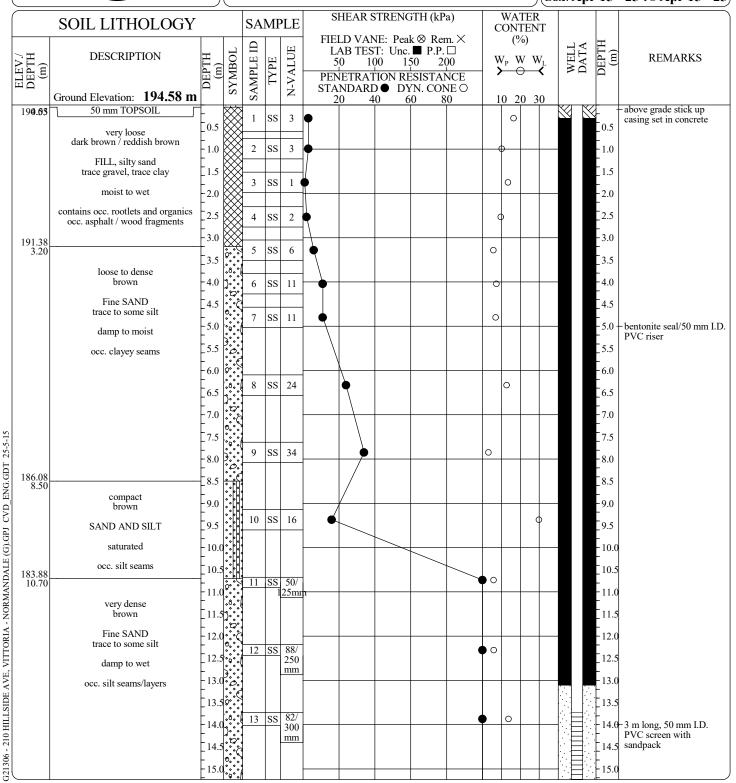
Location: 210 Hillside Ave, Vittoria, ON

EQUIPMENT DATA

Machine: CME 75 Truck
Method: Hollow Stem Auger

Size: **108 mm I.D**

Date: Apr 15 - 25 TO Apr 15 - 25



PROJECT MANAGER: AD

CVD BOREHOLE (2017)

CHUNG & VANDER DOELEN ENGINEERING LTD.

311 Victoria Street North Kitchener, Ontario N2H 5E1 ph. (519) 742-8979, fx. (519) 742-7739

FILE No: G21306

BOREHOLE No. 1

Enclosure No.: 1 Sheet 2 of 2

0

Client: Mr. Charles Luke

Project: Slope Stability Assesment

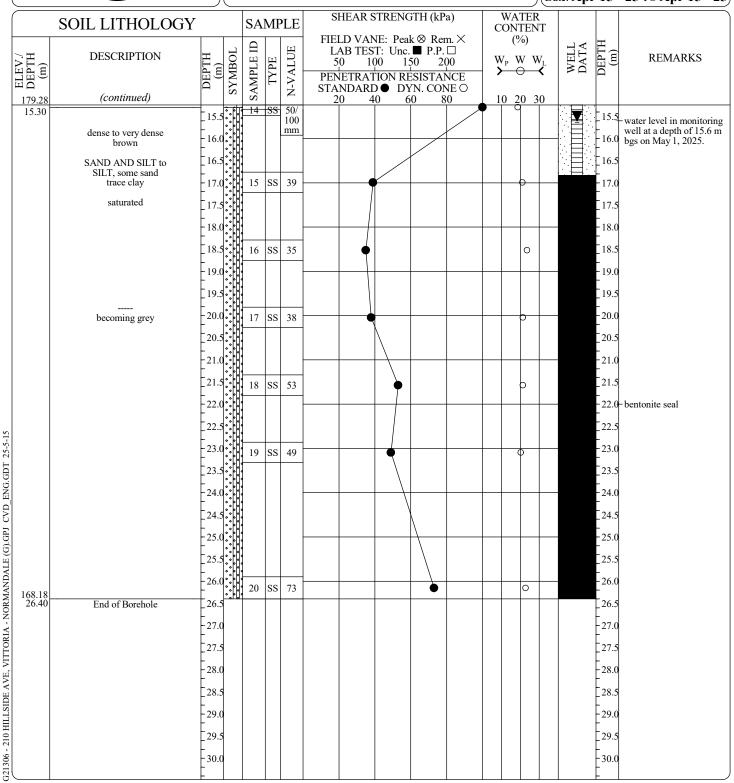
Location: 210 Hillside Ave, Vittoria, ON

EQUIPMENT DATA

Machine: CME 75 Truck
Method: Hollow Stem Auger

Size: **108 mm I.D**

Date: Apr 15 - 25 TO Apr 15 - 25



PROJECT MANAGER: AD

CVD BOREHOLE (2017)

CHUNG & VANDER DOELEN ENGINEERING LTD.

311 Victoria Street North Kitchener, Ontario N2H 5E1 ph. (519) 742-8979, fx. (519) 742-7739

FILE No: G21306

BOREHOLE No. 2

Enclosure No.: 2 Sheet 1 of 1

Client: Mr. Charles Luke

Project: **Slope Stability Assesment**

Location: 210 Hillside Ave, Vittoria, ON

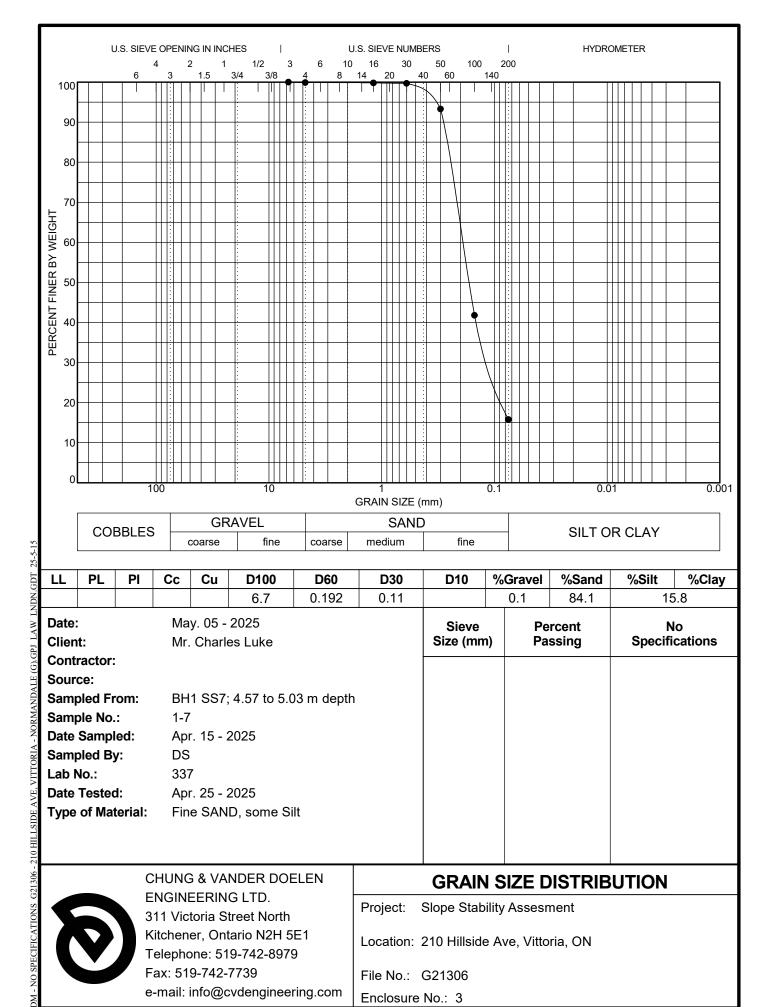
EQUIPMENT DATA

Machine: CME 75 Truck **Hollow Stem Auger** Method:

Size: 108 mm I.D Date: Apr 15 - 25 TO Apr 15 - 25

														$\overline{}$	Date: Ap	r 15	- 25 TO Apr 15 - 2
	SOIL LITHOLOGY			SA	MP	LE		HEAR S				C	ON	TER TENT			
ELEV./ DEPTH (m)	DESCRIPTION	DEPTH (m)	SYMBOL	SAMPLE ID	TYPE	N-VALUE	PE	LD VAN AB TES 50 10 NETRAT ANDARI	T: Unc. 00 1: TON RI	■ P.P. 50 20 ESISTAI	□ 00 NCE	W >		%) W W _L ⊖ ≺	WELL	DEPTH (m)	REMARKS
194 48	Ground Elevation: 194.53 m		14 1/2.	S.				20 4			0	10	0 2	20 30			
194.48		0.5		2	ss	3						d				0.5 -1.0 - 1.5 -	
191.43 3.10 191.03 3.50	loose, brown	2.5		4	SS	2							0			2.5	
191.03 3.50	Fine SAND trace to some silt moist End of Borehole	3.5		5	SS	6	•						0			3.5	borehole open and dry upon withdrawal of drilling augers
		4.5														4.5	
PROJE	CT MANAGER: AD			(E	311 Kitche	VAN NEER Victoria ner, Onta 2-8979,	Street N ario N2I	LTD orth H 5E1							1

CHUNG & VANDER DOELEN ENGINEERING LTD.



Date: Client:	May. 05 - 2025 Mr. Charles Luke	Sieve Size (mm)	Percent Passing	No Specifications
Contractor:	Wir. Originos Euro	0.20 ()		- Cpcomounone
Source:				
Sampled From:	BH1 SS7; 4.57 to 5.03 m depth			
Sample No.:	1-7			
Date Sampled:	Apr. 15 - 2025			
Sampled By:	DS			
Lab No.:	337			
Date Tested:	Apr. 25 - 2025			
Type of Material:	Fine SAND, some Silt			



CHUNG & VANDER DOELEN ENGINEERING LTD.

311 Victoria Street North Kitchener, Ontario N2H 5E1 Telephone: 519-742-8979

Fax: 519-742-7739

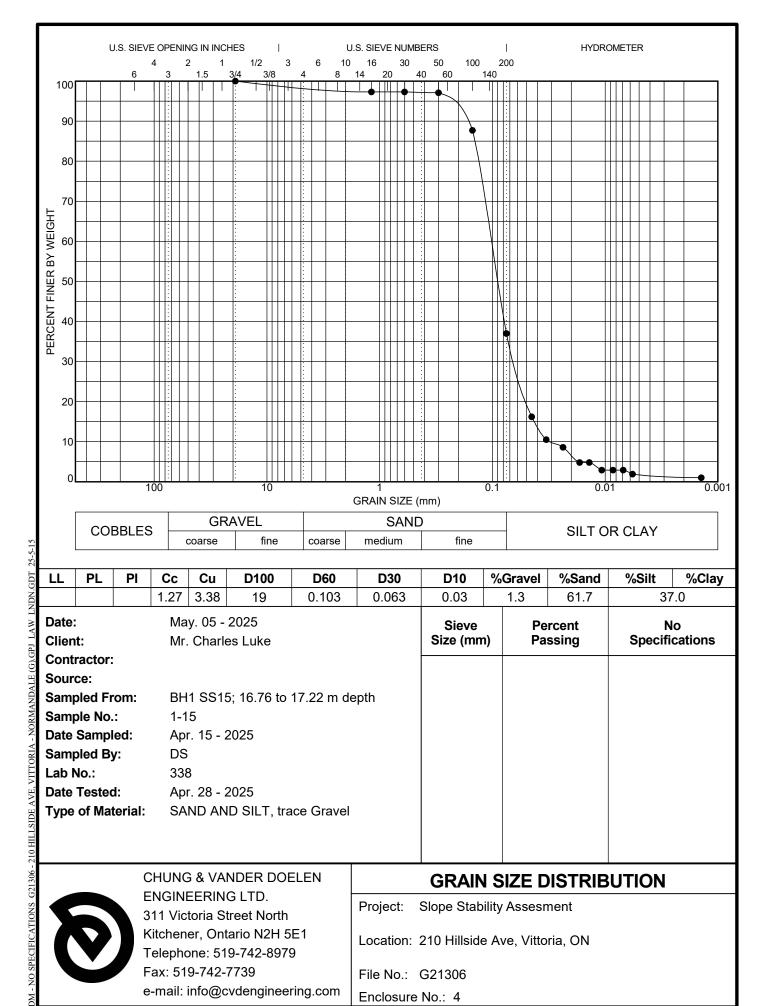
e-mail: info@cvdengineering.com

GRAIN SIZE DISTRIBUTION

Project: Slope Stability Assesment

Location: 210 Hillside Ave, Vittoria, ON

File No.: G21306 Enclosure No.: 3



			1.21	0.00	10	0.100	0.000	0.00	1.0	01.7	07.0	
Date: May. 05 - 2025						Sieve	Po	ercent	No			
Clien	t:		Mr.	Mr. Charles Luke					Size (mm) Passing		Specifications	
Conti	ractor:											
Sour	ce:											
Samp	mpled From: BH1 SS15; 16.76 to 17.22 m depth											
Samp	ole No.	:	1-15									
Date	Sampl	led:	Apr. 15 - 2025									
Samp	oled By	y:	DS									
Lab N	No.:		338									
Date	Tested	d:	Арі	r. 28 - 2	2025							
Type	of Mat	terial:	SA	ND AN	ID SILT tr	ace Gravel						



CHUNG & VANDER DOELEN ENGINEERING LTD.

311 Victoria Street North Kitchener, Ontario N2H 5E1 Telephone: 519-742-8979

Fax: 519-742-7739

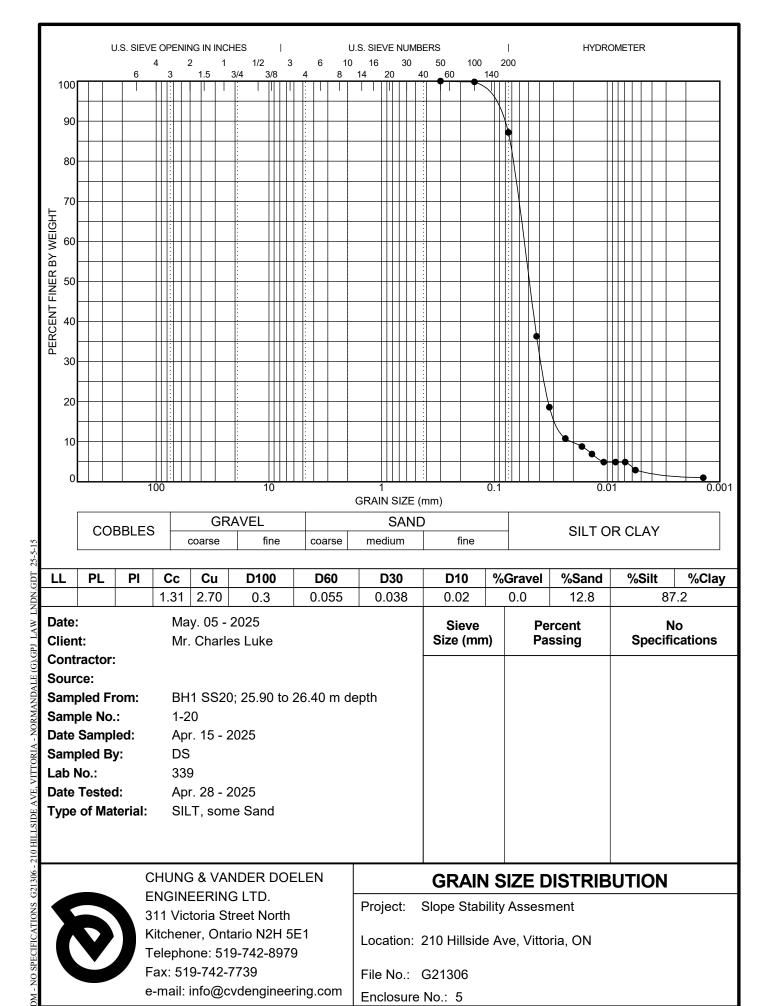
e-mail: info@cvdengineering.com

GRAIN SIZE DISTRIBUTION

Project: Slope Stability Assesment

Location: 210 Hillside Ave, Vittoria, ON

File No.: G21306 Enclosure No.: 4



Date: Client:	May. 05 - 2025 Mr. Charles Luke	Sieve Size (mm)	Percent Passing	No Specifications
Contractor:				
Source:				
Sampled From:	BH1 SS20; 25.90 to 26.40 m depth			
Sample No.:	1-20			
Date Sampled:	Apr. 15 - 2025			
Sampled By:	DS			
Lab No.:	339			
Date Tested:	Apr. 28 - 2025			
Type of Material:	SILT, some Sand			



CHUNG & VANDER DOELEN ENGINEERING LTD. 311 Victoria Street North

Kitchener, Ontario N2H 5E1 Telephone: 519-742-8979

Fax: 519-742-7739

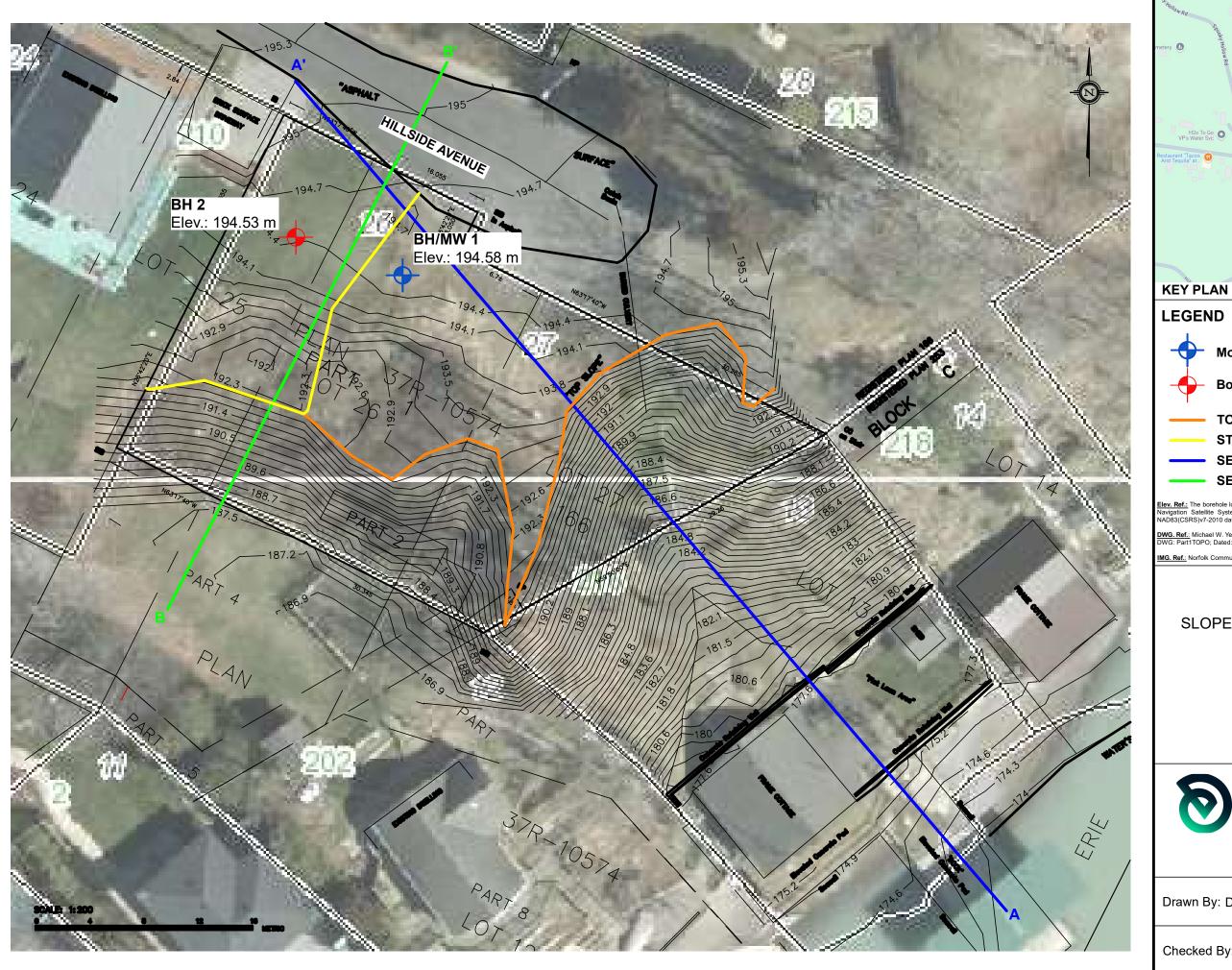
e-mail: info@cvdengineering.com

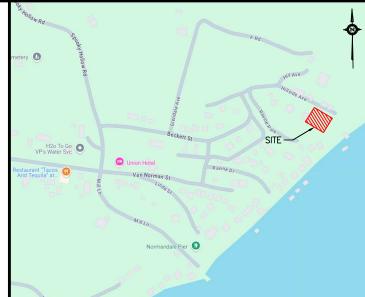
GRAIN SIZE DISTRIBUTION

Project: Slope Stability Assesment

Location: 210 Hillside Ave, Vittoria, ON

File No.: G21306 Enclosure No.: 5





SOURCE: Google Earth

LEGEND



Monitoring Well Location



Borehole Location

TOP OF SLOPE STABLE TOP OF SLOPE

SECTION A-A'

SECTION B-B'

MG. Ref.: Norfolk Community Web Map, Retrieved: 2025-04-23.

BOREHOLE AND SLOPE CROSS SECTION LOCATION PLAN

Slope Stability Assesment

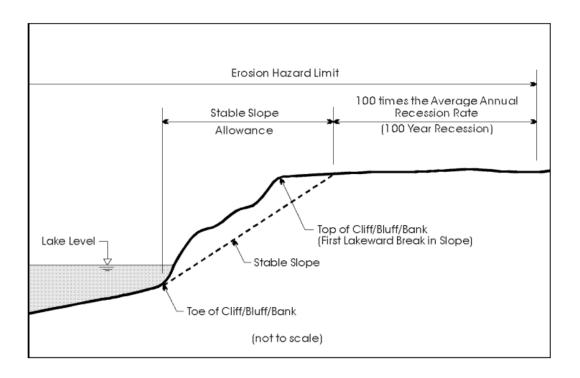
210 Hillside Avenue Vittoria, Ontario



311 VICTORIA STREET NORTH KITCHENER / ONTARIO / N2H 5E1 / 519-742-8979

Drawn By: DS	Date: April 2025	File No.: G21306		
Checked By: AD	Scale: As Shown	Drawing No.: 1		

Figure 4.15 Erosion Hazard: Stable Slope Allowance plus 100 times the Average Annual Recession Rate



8	CHUNG & VANDER DOELEN		Erosion Hazard Limit	Date:	May 2025
	ENGINEERING LTD. 311 Victoria Street North Kitchener, Ontario, N2H 5E1		St. Lawrence River Shorelines renue, Normandale, Ontario	Scale:	NTS
		File No.:	G21306	Drawing	2

APPENDIX A

SITE PHOTOGRAPHS





Photo 1: Looking west at east slope towards the Site



Photo 2: Looking southwest from stairs towards east slope





Photo 3: Looking southeast from stairs towards existing dwellings at base of slope





Photo 4: Looking west towards location of proposed cottage and neighbouring dwelling



Photo 5: Looking northeast along rear south slope



APPENDIX B

SLOPE STABILITY RATING CHART



TABLE 4.2 - SLOPE STABILITY RATING CHART Site Location: Hillside Avneue, Normandale, ON File No. G21306 Property Owner: Charlie and Diane Luke Inspection Date: March 24, 2025 Inspected By: Andrew Dale, P.Eng. Weather: Overcast				
1. SLO	OPE INCLINATION			
	rees	horiz.: vert.		
a)	18 or less	3:1 or flatter	0 0	
b)	18 - 26	2:1 to more than 3:1	6 O	
c)	more than 26	steeper than 2 : 1	16 🖸	
2. SOI	L STRATIGRAPHY			
a)	Shale, Limestone, Granite (Bedrock)		0 0	
b)	Sand, Gravel		6 ©	
c)	Glacial Till		9 O	
d)	Clay, Silt		12 O	
e)	Fill		16 🔘	
f)	Leda Clay		24 🔿	
	EPAGE FROM SLOPE FACE		0 💿	
a)				
b)	Near mid-slope only		6 🔘	
c)	Near crest only or, From several levels		12 🔿	
4. SLC	OPE HEIGHT			
a)	2 m or less	0 0		
b)	2.1 to 5 m	2 🔘		
c)	· · ·			
d)	more than 10 m		8 💿	
5. VE	GETATION COVER ON SLOPE FACE			
a)	a) Well vegetated; heavy shrubs or forested with mature trees		0 💿	
b)			4 0	
c)				
6. TAE	BLE LAND DRAINAGE			
a)	a) Table land flat, no apparent drainage over slope			
b)				
c)	Drainage over slope, active erosion, gullie	S	4 🔿	
	OXIMITY OF WATERCOURSE TO SLOPE T	OE		
a)15 metres or more from slope toe		0 0		
b)Le	ess than 15 metres from slope toe		6 💿	
8. PRI	EVIOUS LANDSLIDE ACTIVITY			
a)	No		0 💿	
b)	Yes		6 O	
CL ODE I	NSTABILITY RATING VALUES INVESTIGA	TION RATING SUMMARY	TOTAL 38	

SUMMARY OF RATING VALUES AND RESULTING INVESTIGATION REQUIREMENTS

1. Low potential < 24 Site inspection only, confirmation, report letter.

Slight potential
 Site inspection and surveying, preliminary study, detailed report.
 Moderate potential
 Site inspection and surveying, preliminary study, detailed report.
 Boreholes, piezometers, lab tests, surveying, detailed report.

NOTES:

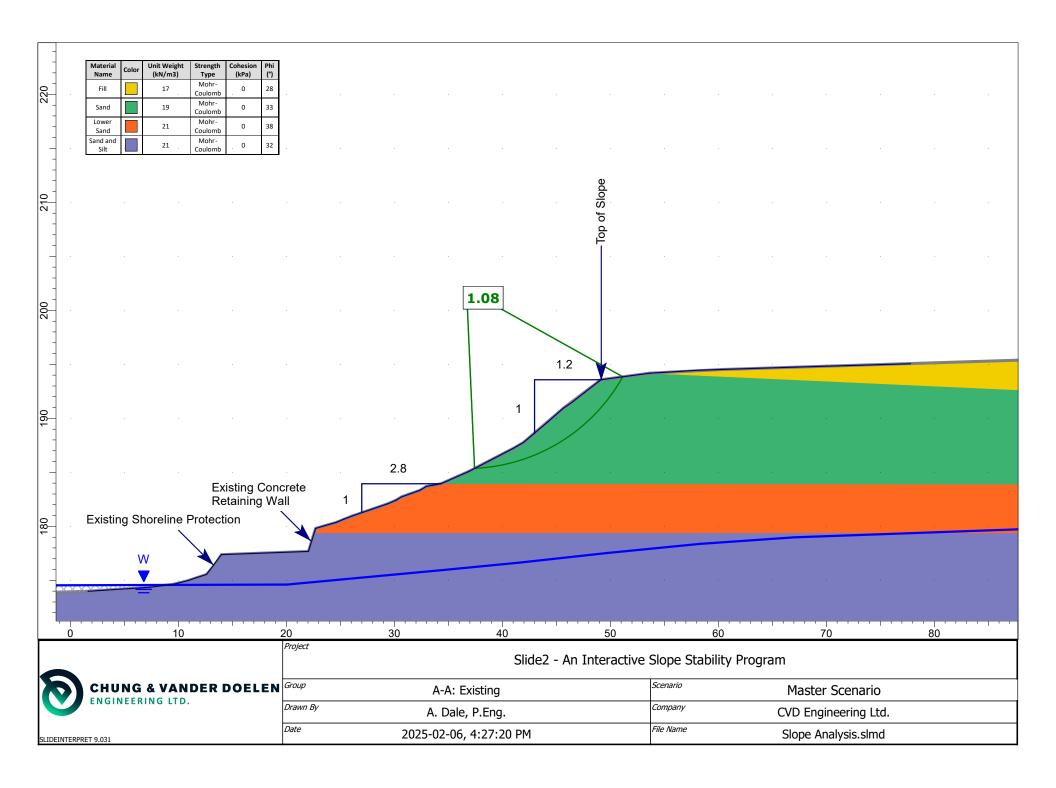
a) Choose only one from each category; compare total rating value with above requirements.

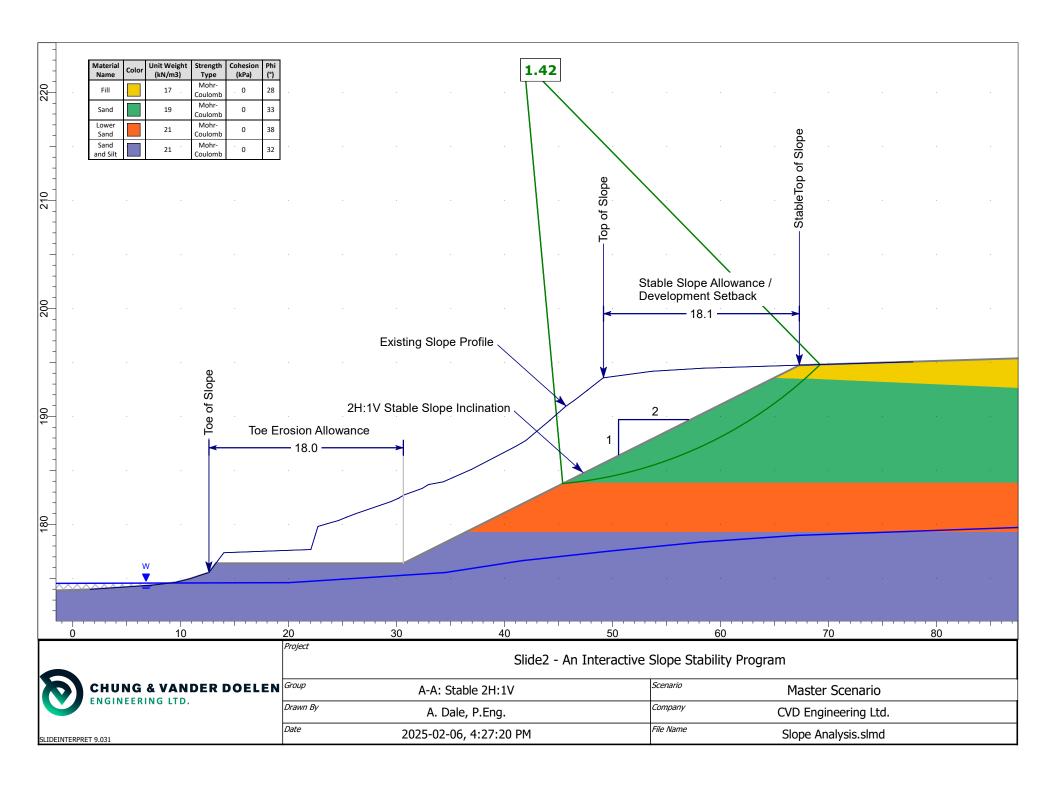
b) If there is a water body (stream, creek, river, pond, bay, lake) at the slope toe; the potential for toe erosion and undercutting should be evaluated in detail and, protection provided if required.

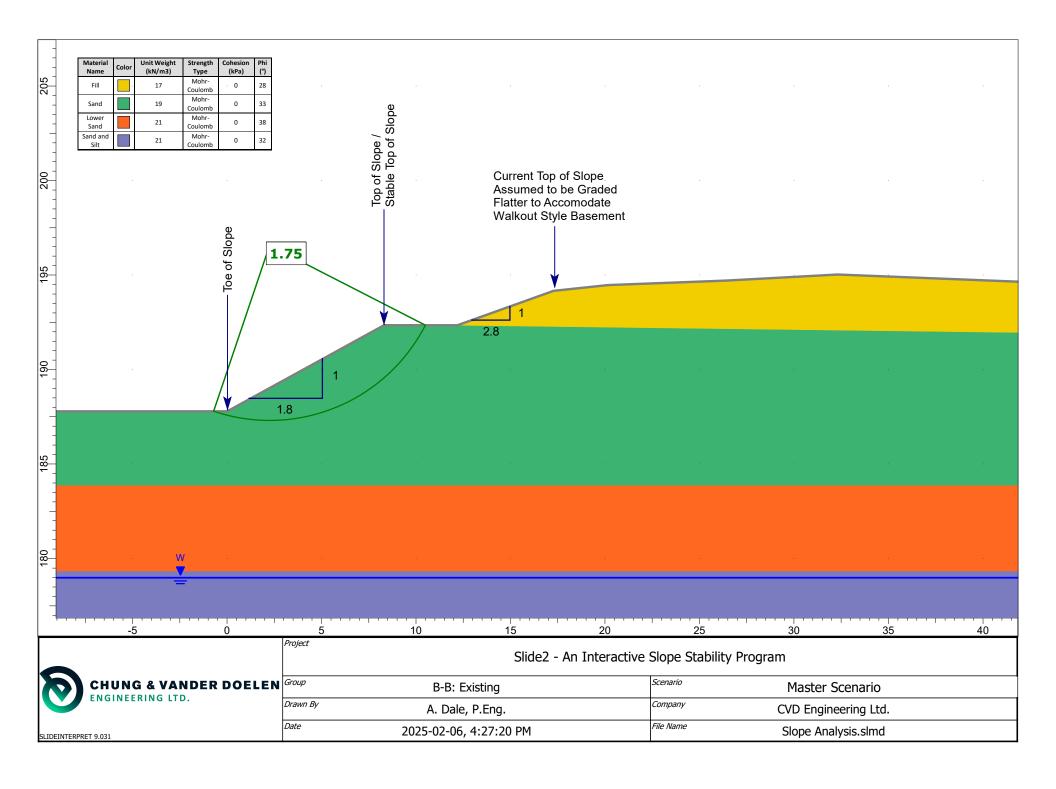
APPENDIX C

SLOPE STABILITY ANALYSES











Norfolk County Operations 50 Colborne St. S., Simcoe, Ontario N3Y 4H1 519-426-5870 www.norfolkcounty.ca

March 12, 2025

Attention: Norfolk County Planning Department

Re: Review of Significant Woodland designation at Lots 25 to 27, Normandale

This letter is being provided in advance of an anticipated application for a Minor Variance affecting the lands described as Plan 166 PT Lots 25 to 27 located in Normandale, Norfolk County.

The Norfolk County Official Plan identifies approximately 0.12 acres of Significant Woodland on the subject lands, which is approximately half of the entire lot area. Significant Woodland is considered a Natural Heritage Feature in Norfolk County's Official Plan, and special consideration is required where development is proposed in or adjacent to any Natural Heritage Feature. Anticipated impacts to a Natural Heritage Feature are required to be evaluated through an Environmental Impact Study in accordance with Section 9.7.1 of the Official Plan.

I have had an opportunity to attend the site on Monday, March 10, 2024, for the purpose of evaluating the accuracy of the Significant Woodland mapping as it pertains to the subject lands.

The site is very sparsely treed, consisting of mostly Manitoba maple (*Acer negundo*) and Norway maple (*Acer platanoides*), which are both non-native species to the area and considered invasive. A portion of the area mapped as Significant Woodland contains only Staghorn Sumac (*Rhus typhina*), a native shrub which readily colonizes open areas when present.

In my opinion, the quantity and arrangement of trees on the subject lands does not constitute a woodland or natural area as intended through the designation of Significant Woodland in Norfolk County's Official Plan.

For this reason, in my opinion, an Environmental Impact Study would serve no valuable purpose in the context of evaluating the area mapped as Significant Woodland for the consideration of an application for Minor Variance, or any future change in use of the land. I would support Norfolk County waiving any requirement for the owner of the lands to undertake an Environmental Impact Study pursuant to Section 3.5.2 and 9.7.1 of the Norfolk County Official Plan for this purpose.

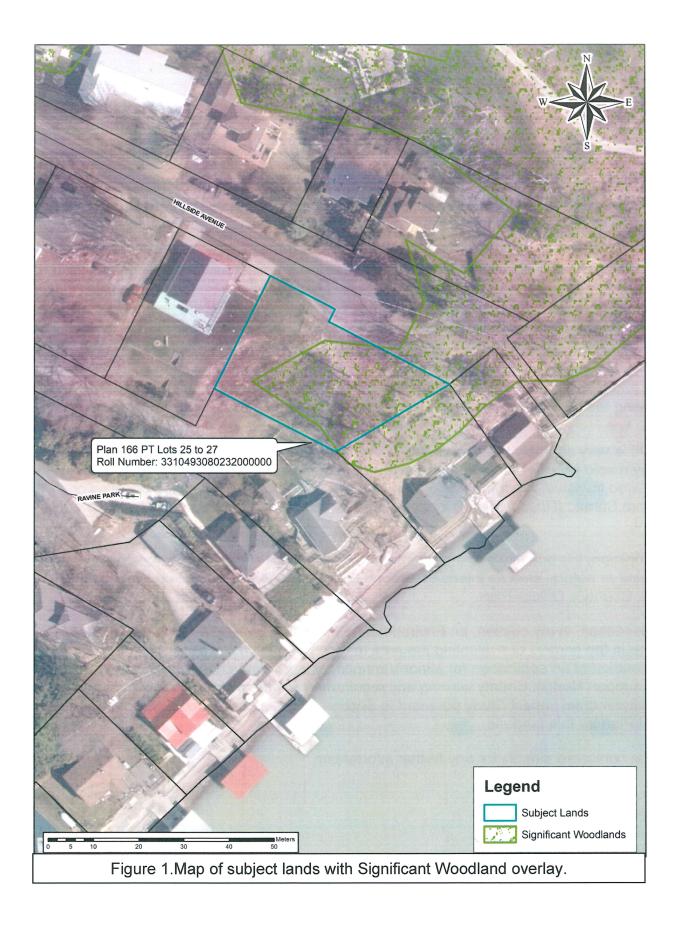
I can be contacted directly for any further information.

Sincerely,

Adam Biddle

Supervisor, Forestry Operations Division Simcoe, Ontario, Canada 519-426-5870 x. 2224

Norfolk.



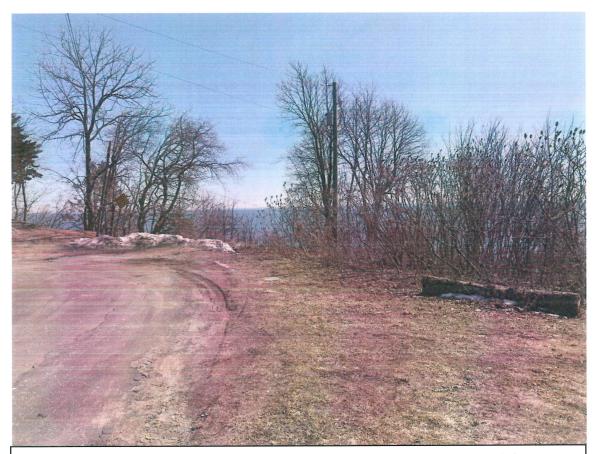


Figure 2. Photo of the subject lands, facing south towards the lake.

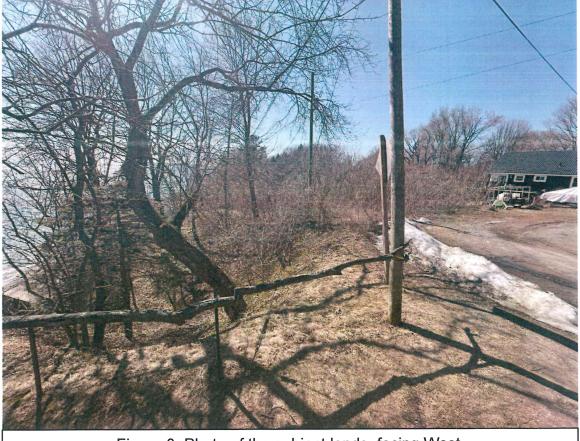


Figure 3. Photo of the subject lands, facing West.



August 23, 2025

Committee of Adjustment Norfolk County

Re: Planning Opinion Letter

Part Lots 24, 25 and 26 Registered Plan 166 Hillside Avenue, Normandale

Kayla DeLeye Development Planning has been retained by Charlie and Diane Luke, owners of Part Lots 24, 25 and 26 Registered Plan 166, Normandale, Norfolk County to provide a planning opinion regarding a minor variance application for a proposed cottage development area. This report outlines the application at hand and why the variance being requested meets the four tests required under Section 45(1) of the Planning Act, in order to be approved. In evaluating this application, the four tests can be satisfied and therefore the requested variance should be approved. Specifically, as this report outlines, the proposal does maintain the intent of the Official Plan and Zoning By-law, is minor in nature, and is desirable for the appropriate development of the area.

Background

The owners of Part Lots 24, 25 and 26 Registered Plan 166 Hillside Avenue, have submitted a Minor Variance application to the Norfolk County Committee of Adjustment to reduce the front yard setback from 6 metres to 2.63 metres to allow a proposed development envelope that has potential to facilitate the construction of a seasonal cottage. The proposal would result in a streetscape that is consistent with the established character of the area.

The intent of Charlie and Diane Luke's proposal is to simply take the existing lot of record that they have owned for many years and complete the technical studies and



requirements to ensure that the lot could receive a building permit, subject to further permits etc.

In anticipation of the planning act application, the Luke's have completed the following:

- -Consultation with the LPRCA
- -Consultation with the Norfolk County Planning and Building Department
- -Consultation with Foresty Department and;
- A detailed Slope Stability Assessment completed by Chung & Associates (June 2, 2025) using borehole data to confirm a stable top of slope

As a result of the consultation process and technical reports, the sketch provided with the minor variance application (and sketches contained within the June 2nd Report) outline a 'Stable top of Slop' line in yellow.

Through the analysis of these technical studies, the Luke's development envelope respects the Engineering of the stable top of slope while proposing a front yard setback that was determined by taking the average of the abutting two cottages along the south side of Hillside Ave and proposing a complimentary front yard setback. The proposed setback of 2.63m allows for uniformity along the existing development form along Hillside ave, and furthermore, the consistency in the front yard setback respects and reinforces the existing character of the community and surrounding landscape which is noted within the Lakeshore Special Policy Area specific to Normandale

.



Planning Analysis

Planning Act Analysis

Section 45 (1) of the Planning Act sets out criteria to be considered when reviewing Minor Variance Applications. In reviewing the application, I have analyzed the four tests as established in Section 45(1) of the Planning Act R.S.O 1990:

- a) Shall be minor;
- b) Shall be desirable for the appropriate development or land use of the land, building or structure;
- c) Shall maintain the general intent and purpose of the Zoning By-Law 61-16;
- d) Shall maintain the general intent and purpose of the Official Plan.

	Four Tests	Discussion
1.	That the general intent and purpose of the Official Plan is maintained.	The intent of the Official Plan is maintained as this Minor Variance request will facilitate a future development envelope which creates compatibly scaled infill development on private services and that conforms to the policies of the Resort Residential designation.
		Keeping the proposed front yard setback in line with the existing community ensures safe visibility for ingress and egress at the site.
		It is my professional opinion that this Minor Variance request maintains the general intent and purpose of the Official Plan.



	·	,		
2.	That the intent and purpose of the Zoning By-Law is maintained	The intent of the reduced front yard setback is to maintain a similar setback to the well-established existing cottages along Hillside ave. The proposed setback will ensure similar building footprint in the area therefore minimizing the impact on surrounding properties.		
		Due to the irregular shape and slope of the lot, a reduction in front yard setback is required to achieve an efficient cottage layout, parking and septic all while adequately placed to ensure the adjacent properties are not negatively impacted.		
		It is my professional opinion that the minor variance maintains the general intent of the Zoning By-Law.		
3.	That the variance is desirable for the appropriate development and use of the land, building or structure.	The proposed structure will be used for seasonal cottage/residential purposes.		
		In support of the minor variance application, supporting studies (slope stability) have been submitted to ensure safe and adequate placement of the development envelope and private services.		
		It is my professional opinion that the reduced setbacks will allow for desirable and appropriate development of the subject lands.		
4.	That the requested variance is minor in nature.	As a result of the proposed minor variance, there is no visual impact at grade, for pedestrians or for the surrounding seasonal residential uses. At this time, all other zone provisions within the RR zone can be met based on the development envelope.		
		It is my professional opinion that the application will not negatively impact the		



	character of the neighborhood and that the proposed variance is minor in nature.

Conclusion

Based on the analysis provided, the proposed minor variance for Part Lots 24, 25 and 26 Registered Plan 166 Hillside Avenue, Normandale does satisfy the four tests under Section 45(1) of the Planning Act and should be approved. The variance maintains the general intent and purpose of the Official Plan, as it is consistent with the Resort Residential character policies within the Lakeshore Special Policy Area. It also maintains the general intent and purpose of the Zoning By-law. Furthermore, the variance is desirable for the appropriate development of the site. Lastly, the variance is minor in nature, as the scale of the reduction is not excessive and will not pose significant adverse impacts on the surrounding community.

Sincerely,

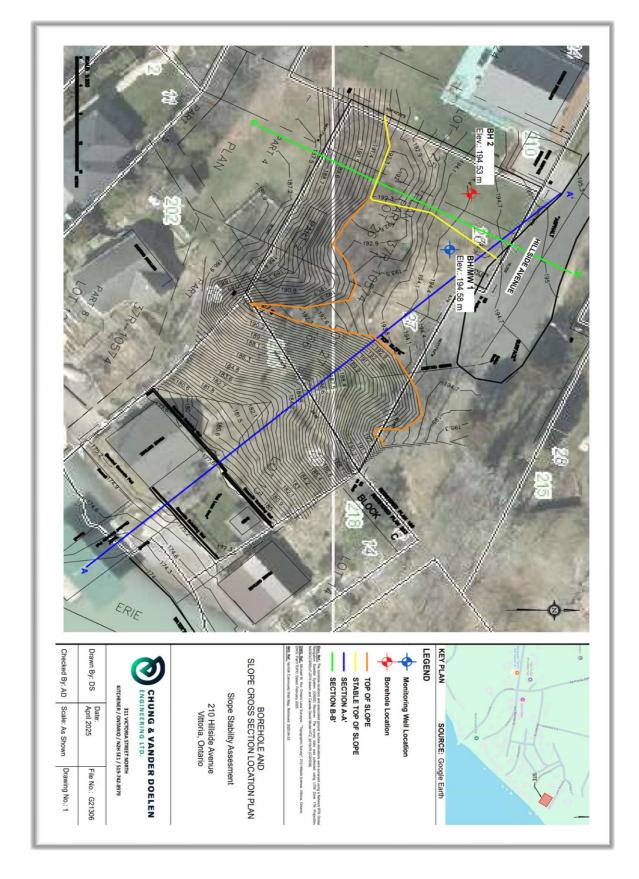
Kayla DeLeye B.A MA, Ec.D, MCIP, RPP

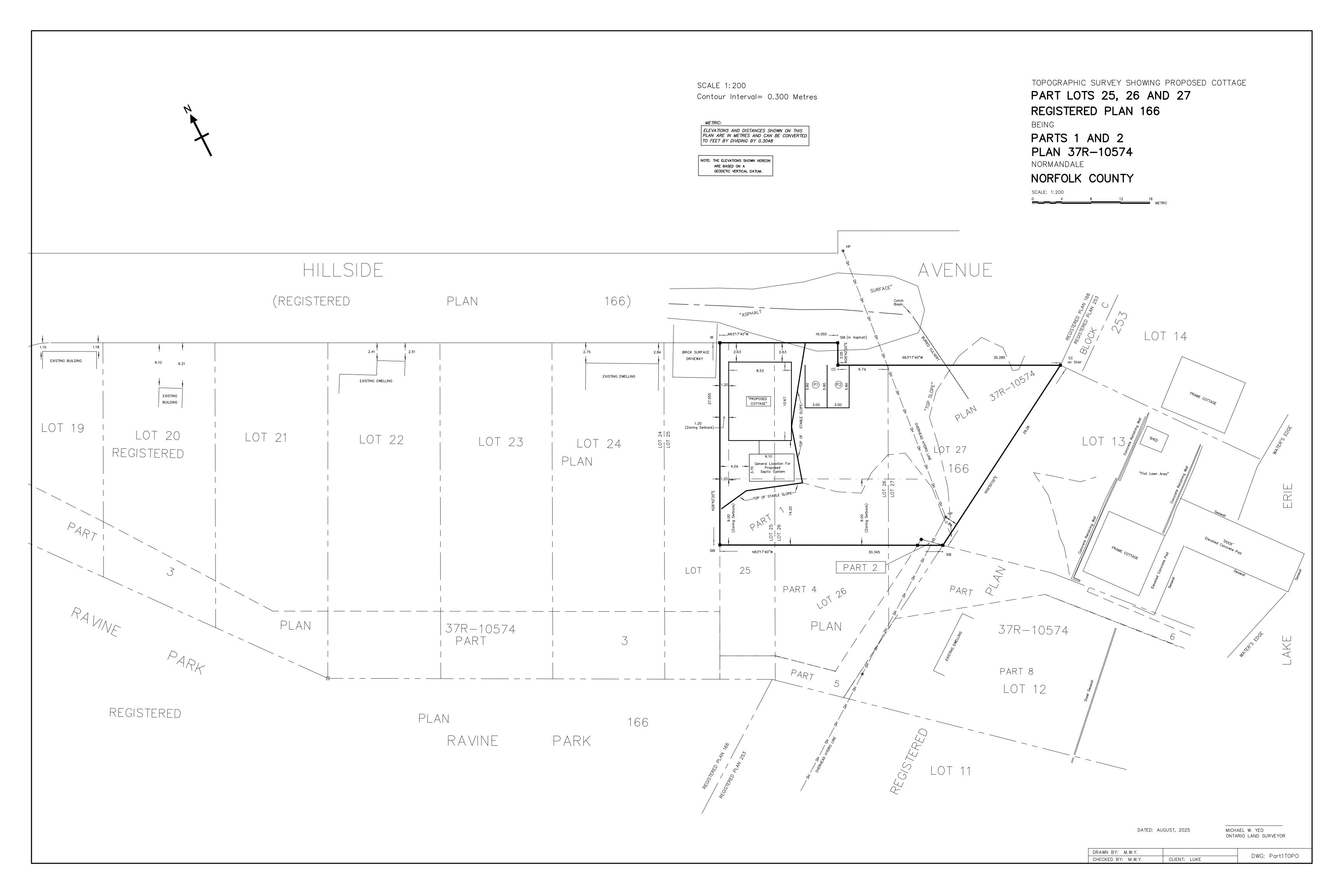
Principal Planner

519-909-9710

kayla.deleye@outlook.com

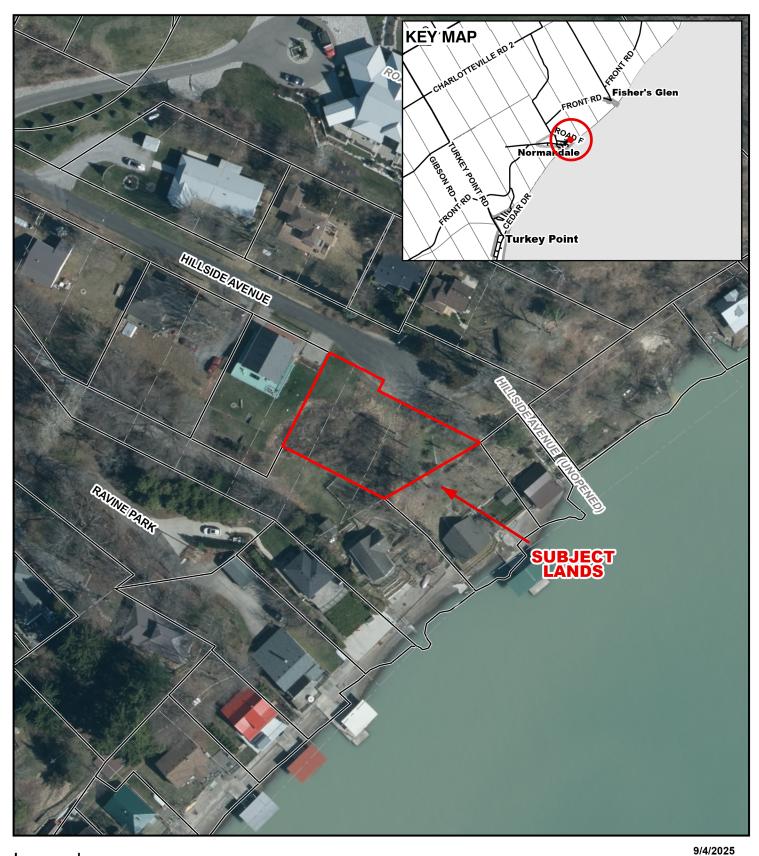






CONTEXT MAP

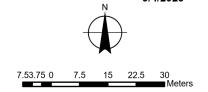
Geographic Township of CHARLOTTEVILLE



Legend



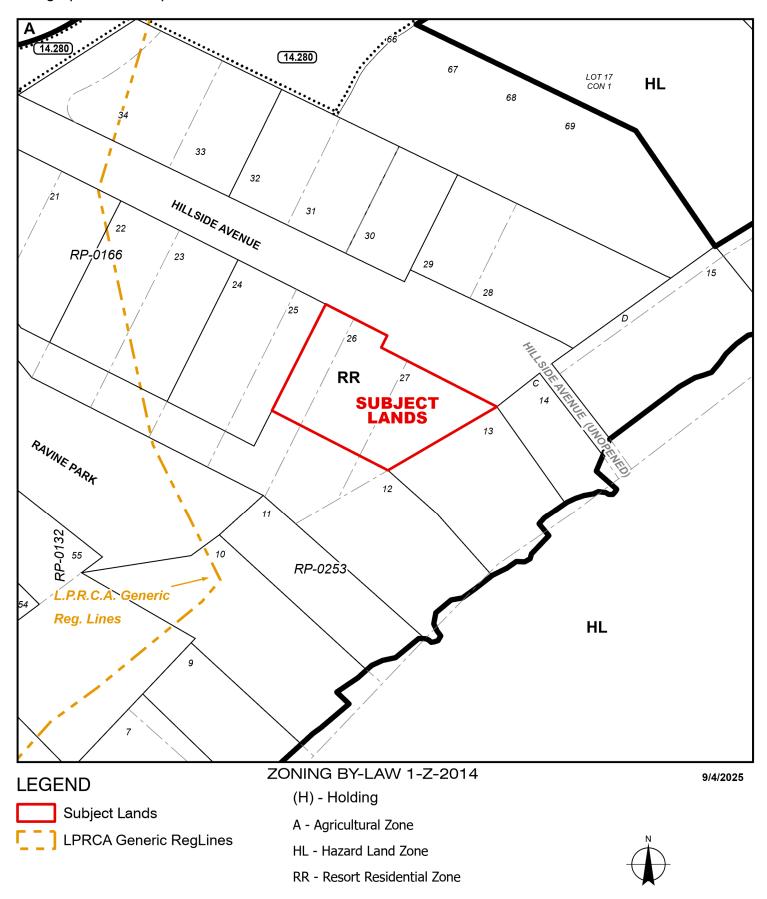
2020 Air Photo



MAP B

ZONING BY-LAW MAP

Geographic Township of CHARLOTTEVILLE



MAP C ANPL2025285

CONCEPTUAL PLAN

Geographic Township of CHARLOTTEVILLE

