

P & L LIVESTOCK LIMITED

4450 Paletta Court
Burlington, ON
L7L 5R2

July 8, 2021

RECEIVED JUL 08 2021

Alvin Chan
City of Hamilton
Planning & Development Department
71 Main Street West, 6th Floor
Hamilton, Ontario
L8P 4Y5

Dear Mr. Chan:

Re: Site Alteration Permit for 2330 Guyatt Road

Please find enclosed Site Alteration Permit and applicable fee of \$2,840 for our property at 2330 Guyatt Road. While we disagree with the need for this application, we are submitting this application in response and as required by Order# 21-134502.

This property is an active sod farm (operated by Vanderwoude Sod, FBR# 2312411), and has been for many years. As part of the normal farm practice of this sod farm operation, topsoil must be replenished from time to time, as each harvest strips away layers of topsoil attached to the sod. Without the ability to replenish topsoil, the agricultural use could not continue, nor could it be used for cash cropping in the future. Importing topsoil is imperative to maintain the viability of this farming operation.

In accordance with the Farming and Food Production Protection Act, 1998, and in particular Section 6(1), it states "*No municipal by-law applies to restrict a normal farm practice carried out as part of an agricultural operation.*" It is our position that the Order issued by the City on June 25th was inappropriate, and that we are exempt from requiring a Site Alteration Permit.

The topsoil material, approximately 1,750 cubic meters, was hauled by our contractor Moretti Excavation Limited during May and June, 2021. All material came from another one of our nearby properties at 90 Glover Road in Hamilton, roughly 7 km away. All material had been tested for quality by Soil-Mat Engineering before hauling occurred. No additional material is planned to be imported at this time.

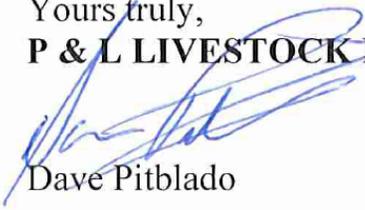
The intention is that over time, Vanderwoude Sod will use this stockpile of topsoil to spread a thin layer as and where needed on the field during the course of their agricultural operations. Exact locations and dates are impossible to know at this stage, there is no formal work program, the material will simply be used on an "as needed" basis.

The 2330 Guyatt Road property is located in the rural area of Hamilton, zoned A1-118. This property is under the jurisdiction of the Niagara Peninsula Conservation Authority. With the

property being 87 hectares (214.88 acres) in size, there are watercourses on the property that are regulated by the Conservation Authority, however the area where the topsoil stockpile is located is not within any of those regulated areas. There is a manmade irrigation pond on the property, constructed by Vanderwoude Sod, which is not part of any regulated area either.

As part of this application, I have included an aerial map, zoning map, street view photo showing sod being farmed, a topographic plan, a NPCA regulated area map, and Soil-Mat's soil report. If this information, and the information contained within this cover letter and application form is not satisfactory, please let me know and I will do what I can to provide any additional information you may need.

Yours truly,
P & L LIVESTOCK LIMITED



Dave Pitblado



PLANNING AND ECONOMIC DEVELOPMENT DEPARTMENT
Licensing and By-law Services
77 James Street North
Hamilton, Ontario, Canada, L8R 2K3
www.hamilton.ca

ORDER

UNDER SITE ALTERATION BY-LAW #19-286

Order Number: 21-134502 Order date: JUNE 25, 2021

Subject property address: Pin: 17385-0991, Hamilton, Ontario (BEHIND 2330 GUYAT ROAD)

Issued to:

Name: PAL LIVESTOCK LIMITED Address: 4450 PALETTA COURT Postal Code: L7L 5R2

An inspection on JUNE 25, 2021 at the subject property found the following contravention(s) of the By-law..

You are hereby ordered to do the following **immediately** or by the date stated:

(X)	Item	Reference City of Hamilton By-law 19-286	Description and Location	Required action
X	1	Section 11(1)	Undertake site alteration or cause site alteration to be undertaken without a permit to undertake such site alteration.	Discontinue the excavating, depositing or stockpiling of fill or topsoil, removal of topsoil and/or alteration of grade.
X	2	Section 11(1)	Undertake site alteration or cause site alteration to be undertaken without a permit to undertake such site alteration.	Make application for a Site Alteration Permit no later than <u>JULY 12</u> , 20 <u>21</u> . <u>*SITE ALTERATION PERMIT EXEMPTION</u>
	3	Section 25	Transport fill or topsoil to a site from any other source site that is located outside the City of Hamilton.	Discontinue the placement of all fill. Discontinue the transportation of fill or topsoil to a site.
	4	Section 26	Undertake site alteration or cause site alteration to be undertaken not in accordance with conditions.	Discontinue or ensure the discontinuation of all site alteration

This order was served by the issuing officer: PERSONALLY BY REGISTERED MAIL BY PLACARDING

ON JUNE 25, 2021.

ISSUING OFFICER: JASON PRYDE

Telephone No.: 905-546-2424 x1352

Signature: [Signature]

Email: JASON.PRYDE@hamilton.ca

Note:

- Any person who contravenes any provision of the Site Alteration By-law or an order made under the by-law, is guilty of an offence and upon conviction is liable to a fine of up to \$10,000 for a first offence and \$25,000 for a subsequent offence and may be subject to a special additional fine equal to the economic advantage gained
- Any corporation which contravenes any provision of the Site Alteration By-law or an order made under the by-law, is guilty of an offence and upon conviction is liable to a fine of up to \$50,000 for a first offence and \$100,000 for any subsequent offence and may be subject to a special additional fine equal to the economic advantage gained.
- Where the owner fails to comply, the Director may at the owner's expense carry out the necessary repairs or clean up and maintenance or arrange for same immediately.
- The City of Hamilton may recover the expenses incurred in doing the work by adding such expenses, including interest, to the property tax account for the property to be collected in the same manner as property taxes.

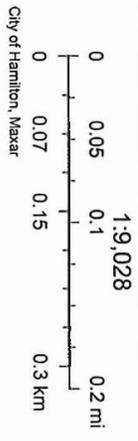
Interactive Mapping



6/28/2021, 2:05:20 PM

Roads

214.88 acres
(87 ha)



This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or survey. The City of Hamilton is not liable for any damages resulting from

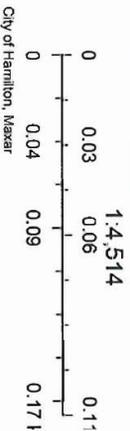
Interactive Zoning



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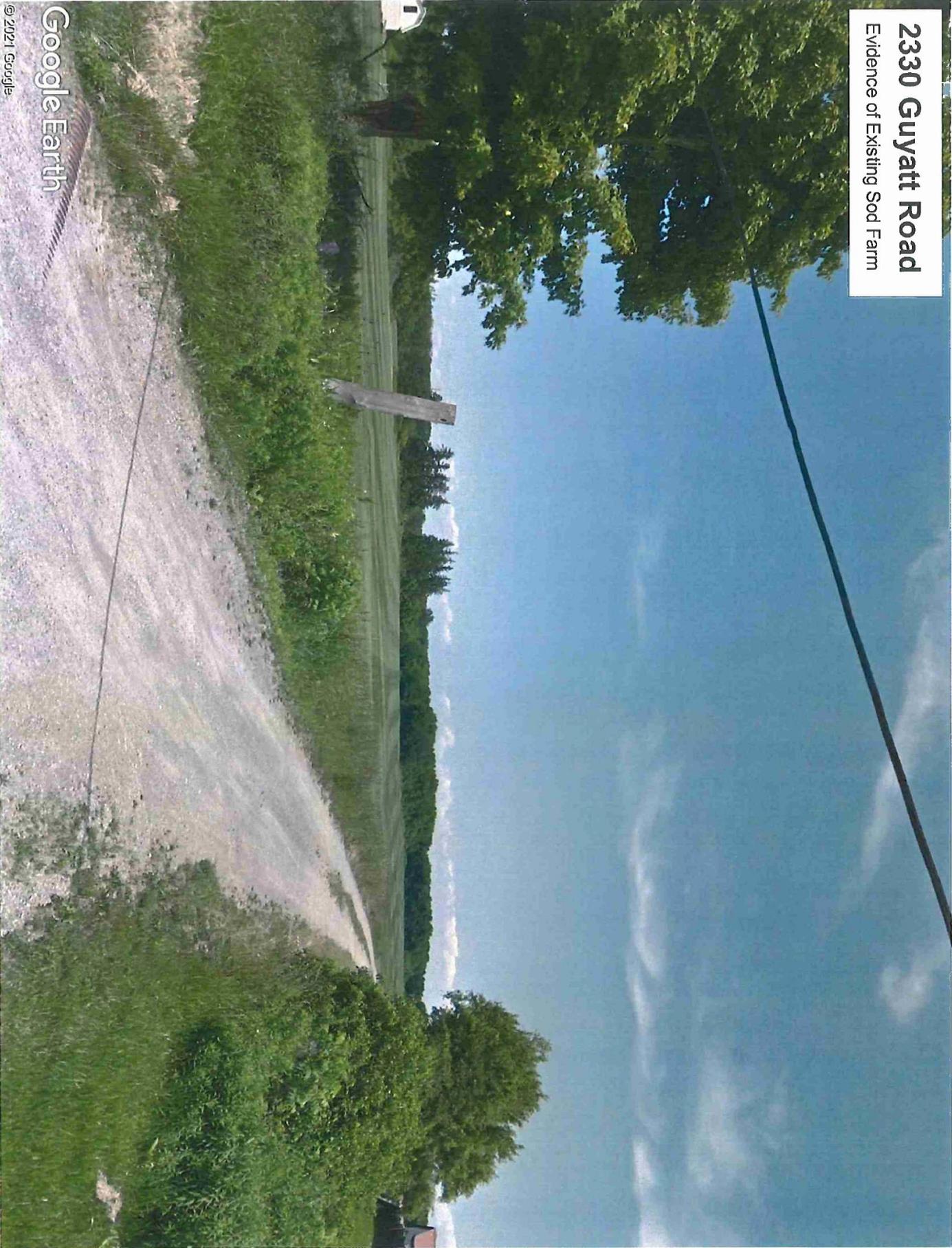
- Ward Boundary
- Community Boundary
- City Boundary
- Zoning Boundaries
- Council Approved - Zoning Boundaries
- Interim Control Bylaw Zone

Property Parcels



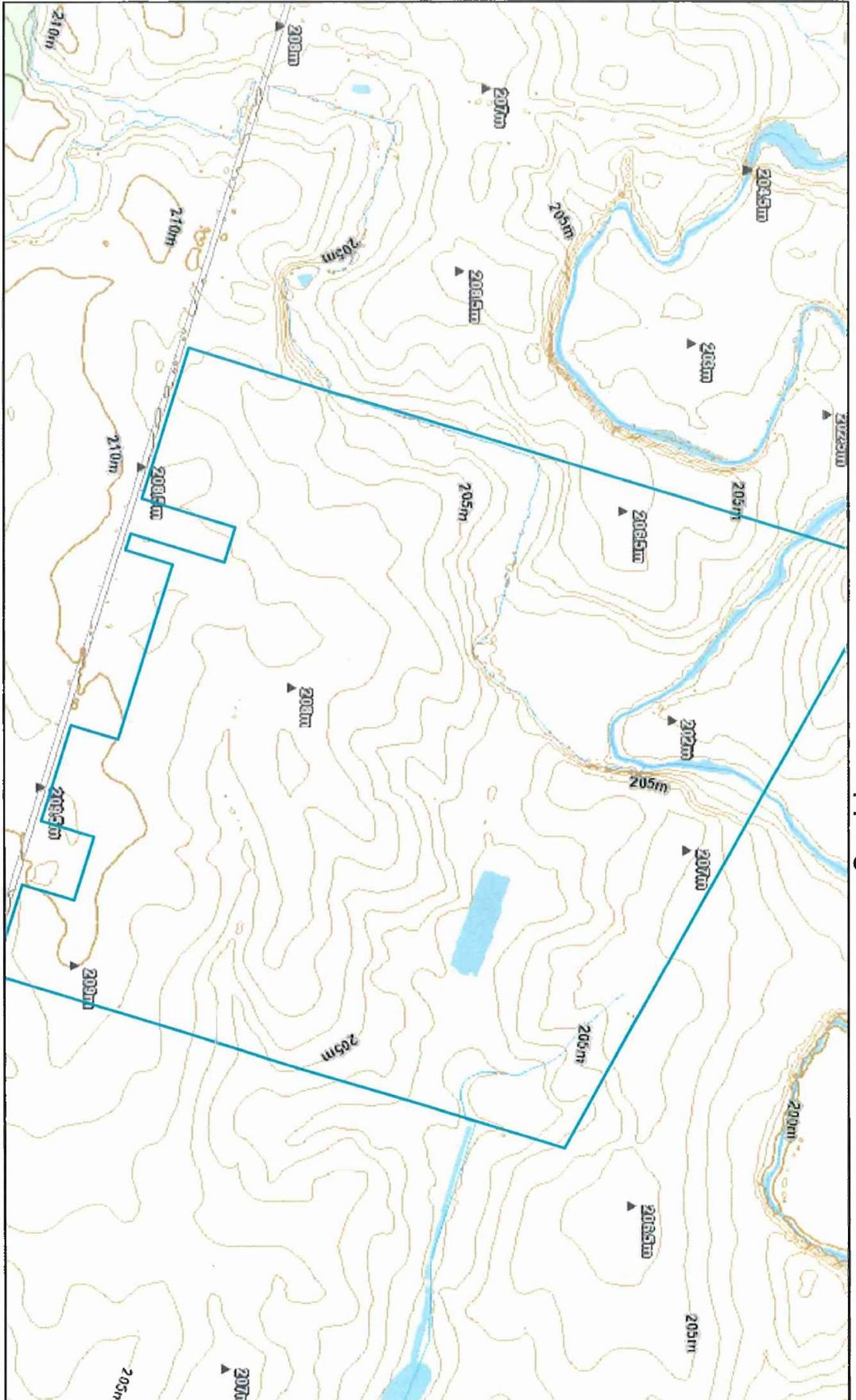
The City of Hamilton is not liable for any damages resulting from this product. The product is for informational purposes and may not have been prepared for, or be suitable for, legal, engineering, or surveying.

2330 Guyatt Road
Evidence of Existing Sod Farm



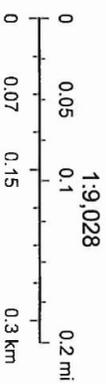
Google Earth
© 2021 Google

Interactive Mapping



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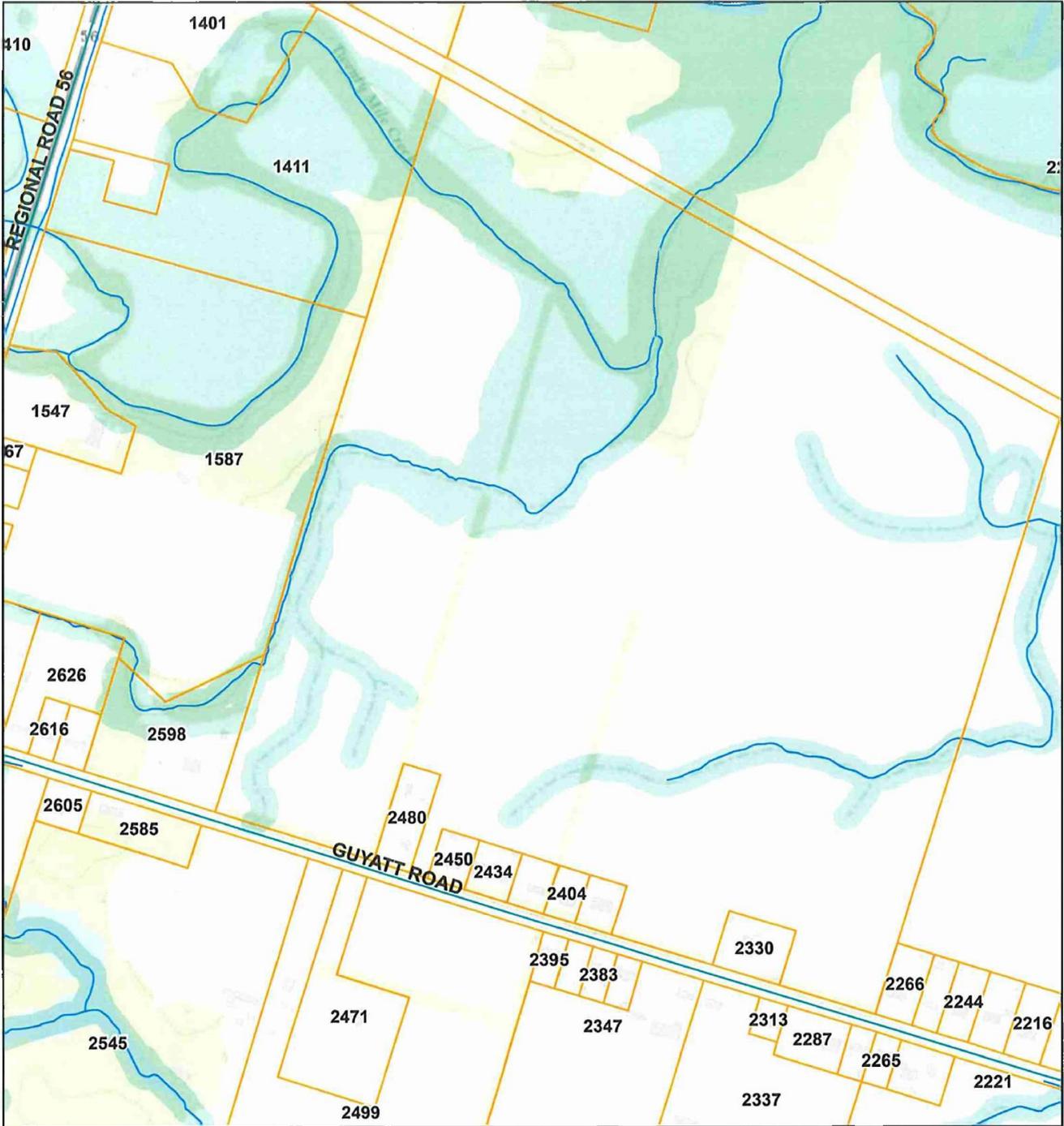
Roads



City of Hamilton, City of Hamilton - Web GIS Framework, McMaster
City of Hamilton, Province of Ontario, Ontario MNR, Esri Canada,
Garmin, INCREMENT P, Intermap, USGS, METINASA, EPA, U
NRCan

The City of Hamilton is not liable for any damages resulting from
This product is for informational purposes and may not have been prepared for, or be suitable for legal, engineering, or survey!

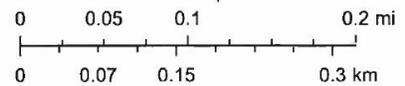
ArcGIS Web Map



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1:9,028

-  Roads
-  Assessment Parcels
-  NPCA APPROXIMATE REGULATION LANDS
-  Watercourses 2K 2002



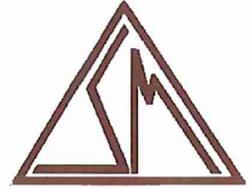
McMaster University, City of Hamilton, Province of Ontario, Ontario MNR, Esri Canada, Esri, HERE, Garmin, INCREMENT P, Intermap, USGS, METI/NASA, EPA, USDA, AAFC, NRCan

SOIL-MAT ENGINEERS & CONSULTANTS LTD.

www.soil-mat.ca info@soil-mat.ca TF: 800.243.1922

Hamilton: 130 Lancing Drive L8W 3A1 T: 905.318.7440 F: 905.318.7455

Milton: PO Box 40012 Derry Heights PO L9T 7W4 T: 800.243.1922



PROJECT NO.: SM 301063-E

March 22, 2021

PENTA PROPERTIES INC.
4450 Paletta Court
Burlington, Ontario
L7L 5R2

Attention: Dave Pitblado
Director, Real Estate Development

**SUPPLEMENTAL ENVIRONMENTAL SOIL TESTING OF STOCKPILED TOPSOIL
PROPOSED EXPANSION – SIERRA SUPPLY CHAIN SERVICES
90 GLOVER ROAD
HAMILTON, ONTARIO**

Dear Mr. Pitblado,

As per your request and further to our correspondence, SOIL-MAT ENGINEERS & CONSULTANTS LTD. [SOIL-MAT ENGINEERS] have completed our environmental soil testing programme for the above noted project site. Our formal comments with respect to the off-site disposal/re-use of surplus material are summarised herein.

BACKGROUND

Our office has previously completed the following reports for the proposed warehouse expansion at 90 Glover Road in Hamilton:

1. Geotechnical Investigation, Proposed Warehouse Addition, 90 Glover Road, Hamilton, Ontario, Project No.: SM 190737-G, dated January 9, 2020;
2. Supplemental Geotechnical Considerations, Proposed Warehouse Addition, 90 Glover Road, Hamilton, Ontario, Project No.: SM 190737-G, dated January 21, 2020;
3. Supplemental Test Pit Study, Proposed Warehouse Addition, 90 Glover Road, Hamilton, Ontario, Project No.: SM 190737-G, dated April 17, 2020;
4. Supplemental Environmental Soil Testing, Proposed Expansion – Sierra Supply Chain Services, 90 Glover Road, Hamilton, Ontario, Project No.: SM 301063-E, dated December 31, 2020.
5. Environmental Soil Testing of Stockpiled Topsoil, Proposed Expansion – Sierra Supply Chain Services, 90 Glover Road, Hamilton, Ontario, Project No.: SM 301063-E, dated February 5, 2021.

PROJECT No.: SM 301063-E

ENVIRONMENTAL SOIL TESTING
PROPOSED EXPANSION – SIERRA SUPPLY CHAIN SERVICES
90 GLOVER ROAD
HAMILTON, ONTARIO



As part of the previous reports completed for the 90 Glover Road property, select discrete soil samples were recovered of the subsoil across the Site to support the off-site disposal of surplus subsoil material from the Site. It is understood that all surplus subsoil has subsequently been disposed of at an off-site property. However, a stockpile of topsoil that was stripped during the earthworks for the construction of the proposed expansion for the building remains on the Site.

As reported in the February 5, 2021 dated soil testing letter listed above, five [5] discrete samples were recovered from the topsoil stockpile on the site. The secured soil samples were submitted to AGAT Laboratories [AGAT], [an accredited Canadian Environmental Laboratory] for laboratory analytical testing for a standard panel of metals and inorganic parameters, petroleum hydrocarbons [PHCs] and benzene, toluene, ethylbenzene and xylene mixture [BTEX].

Based on SOIL-MAT ENGINEERS' field observations and the laboratory analytical test results from AGAT at the time, SOIL-MAT ENGINEERS offered the following comments:

1. *The submitted samples were reported to meet the O. Reg. 406/19 Table 1 [RPI/ICC] Standards for the parameters tested with the exception of Antimony, Cadmium, Lead and Zinc in sample 'Jan 15-S5'.*
2. *The submitted samples were reported to meet the O. Reg. 406/19 Table 2.1 and 3.1 [RPI and ICC] Standards for the parameters tested with the exception of Cadmium, Lead and Zinc in sample 'Jan 15-S5'.*
3. *The soil samples secured for laboratory analytical testing are believed to be representative of the soil conditions at the sample locations only. This Office should be contacted to reassess the environmental characteristics of the soil if any unusual staining or odours are observed during future construction activities.*

Given the results of the laboratory analytical testing at the time, the following off-site re-use options were provided under Ontario Regulation 406/19.

- *As the samples recovered on January 15, 2021 from the stockpiled topsoil material are reported to meet the O. Reg. 406/19 Table 1, 2 and 3 [RPI/ICC] Standards for the parameters tested, with the exception of the elevated Antimony, Cadmium, Lead and Zinc in sample 'Jan 15-S5', the majority of surplus material may reasonably be accepted at any off-site RPI/ICC property in a potable or non-potable groundwater condition including those properties subject to a Record of Site Condition or Ministry of Environment, Conservation and Parks [MECP] Certificate of Authorisation, subject to approval of the receiving property owner.*
- *Additional testing in the vicinity of sample 'Jan 15-S5' may show these results to be localised anomalies, with the average values of Antimony, Cadmium, Lead and Zinc at that sample location within the noted Excess Soil Quality Standards. Failing this, additional testing would serve to provide a lateral and vertical*

PROJECT No.: SM 301063-E

ENVIRONMENTAL SOIL TESTING
PROPOSED EXPANSION – SIERRA SUPPLY CHAIN SERVICES
90 GLOVER ROAD
HAMILTON, ONTARIO



delineation of soil with elevated parameters to allow the material to be sorted out and disposed of separately from the majority of the remaining stockpiled material.

- *Additional testing including both leachate and bulk analysis testing may be required depending on the volume of surplus soil re-used on an off-site property and the nature of the re-use property*

As such, the purpose of this supplemental environmental soil testing program was to secure representative soil samples of the stockpiled topsoil material in the vicinity of the former sample with exceedances, as described above, for submission for laboratory analytical testing and to provide interpretation of the test results with respect to the off-site disposal/re-use of surplus topsoil on an off-site property.

SITE VISIT AND SOIL SAMPLING

A representative of SOIL-MAT ENGINEERS visited the site on February 10, 2021 and recovered nine [9] discrete samples of the stockpiled topsoil material on the site.

Samples ‘S101’, ‘S102’, ‘S103’ and ‘S104’ were secured from within at 2 metre radius of the previous sample location and from a similar depth as sample ‘Jan 15-S5’ with noted exceedances.

The remaining samples ‘S105’ to ‘S109’ were secured in the vicinity of the previous sample ‘Jan 15-S5’ with noted exceedances, however were spaced further apart both laterally and vertically to attempt to provide an approximate delineated area pending unfavorable laboratory analytical results.

A summary of the sample locations, sample depths and relative location to the previous sample ‘Jan 15-S5’ with noted exceedances are outlined below in table format:

Sample ID	Location Relative to Sample ‘Jan 15-S5’	Depth (m bgs)
S101	~2 metres north	0.5
S102	~2 metres south	0.5
S103	~2 metres east	0.5
S104	~2 metres west	0.5
S105	~4 metres north-east	1.5
S106	~4 metres north-west	1.5
S107	~4 metres south-east	1.5
S108	~4 metres south-west	1.5
S109	~4 metres north	3.0

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ENVIRONMENTAL SOIL TESTING
PROPOSED EXPANSION – SIERRA SUPPLY CHAIN SERVICES
90 GLOVER ROAD
HAMILTON, ONTARIO



In each case, the samples were recovered via machine dug test pits advanced by the contractor on site under the direction and supervision of the contractor on site.

The recovered samples consisted of topsoil [i.e. clayey silt/silty clay soil with organic inclusions, rootlets, etc.] consistent with our previous investigations on the site. Of note, the term 'topsoil' refers to the geotechnical properties of the sampled material and does not necessarily reflect the materials ability to support the growth of plant life. Of note, there was no evidence of potential petroleum hydrocarbon impact, i.e. odour, staining, etc., to the soil samples at the time of sampling.

The approximate location of the stockpile and the sample locations are illustrated on the attached Drawing No. 1, Sample Location Plan.

LABORATORY ANALYTICAL TESTING

The secured soil samples were submitted to AGAT Laboratories [AGAT], [an accredited Canadian Environmental Laboratory] for laboratory analytical testing for a standard panel of metals and hydride forming metals.

The laboratory analytical test results received in our Office were compared with the applicable Excess Soil Quality Standards under Ontario Regulation 406/19: On-Site and Excess Soil Management, as follows:

- **ONTARIO REGULATION 406/19 – TABLE 1:** Full Depth Background Site Condition Standards Residential/Parkland/Institutional [RPI] and Industrial/Commercial/Community [ICC] land use.
- **ONTARIO REGULATION 406/19 – TABLE 2.1:** Full Depth Excess Soil Quality Standards Residential/Parkland/Institutional and Industrial/Commercial/ Community land use in a potable groundwater condition.
- **ONTARIO REGULATION 406/19 – TABLE 3.1:** Full Depth Excess Soil Quality Standards Residential/Parkland/Institutional and Industrial/Commercial/ Community land use in a non-potable groundwater condition.

The results of this laboratory testing are presented in the attached AGAT Certificate of Analysis [AGAT Work Order Number 21T709678].

Based on SOIL-MAT ENGINEERS' field observations and the laboratory analytical test results from AGAT, SOIL-MAT ENGINEERS offer the following comments:

1. The submitted samples were reported to meet the O. Reg. 406/19 Table 1 [RPI/ICC] Standards for the parameters tested.
2. The submitted samples were reported to meet the O. Reg. 406/19 Table 2.1 and 3.1 [RPI and ICC] Standards for the parameters tested.

PROJECT No.: SM 301063-E

ENVIRONMENTAL SOIL TESTING
PROPOSED EXPANSION – SIERRA SUPPLY CHAIN SERVICES
90 GLOVER ROAD
HAMILTON, ONTARIO



3. The average value of the elevated parameters in the original sample ‘Jan 15-S5’ considering the additional samples collected at the same sample location as defined under the Regulation [~2 metre radius] are computed as follows:

Sample ID	Antimony [µg/g]	Cadmium [µg/g]	Lead [µg/g]	Zinc [µg/g]
Jan 15-S5	1.4	2.0	275	469
S101	0.8	0.5	43	158
S102	0.8	0.5	52	177
S102	0.8	0.5	55	212
S104	0.8	0.7	74	232
Average Value [µg/g]	0.92	0.84	99.8	249.6

The average value of the previously identified elevated parameters at sample location ‘Jan 15-S5’ is now reported to meet the Table 1, 2.1 and 3.1 RPI/ICC Standards.

4. The soil samples secured for laboratory analytical testing are believed to be representative of the soil conditions at the sample locations only. This Office should be contacted to reassess the environmental characteristics of the soil if any unusual staining or odours are observed during future construction activities.

ENVIRONMENTAL CONSIDERATIONS FOR SOIL REUSE

Given the results of the laboratory analytical testing, the following off-site re-use options are available under Ontario Regulation 406/19.

- As the samples recovered on January 15, 2021 and February 10, 2021 from the stockpiled topsoil material are reported to meet the O. Reg. 406/19 Table 1, 2 and 3 [RPI/ICC] Standards for the parameters tested, including the average reported values of Antimony, Cadmium, Lead and Zinc in previous sample ‘Jan 15-S5’, the surplus stockpiled topsoil material may reasonably be accepted at any off-site RPI/ICC property in a potable or non-potable groundwater condition including those properties subject to a Record of Site Condition or Ministry of Environment, Conservation and Parks [MECP] Certificate of Authorisation, subject to approval of the receiving property owner.
- Additional testing including both leachate and bulk analysis testing may be required depending on the volume of surplus soil re-used on an off-site property and the nature of the re-use property, subject to the specific requirements of a proposed receiving site.

PROJECT No.: SM 301063-E

ENVIRONMENTAL SOIL TESTING
PROPOSED EXPANSION – SIERRA SUPPLY CHAIN SERVICES
90 GLOVER ROAD
HAMILTON, ONTARIO



We trust these comments are satisfactory for your purposes. Please feel free to contact our Office if you have any questions, or we may be of further service to you.

Yours very truly,
SOIL-MAT ENGINEERS & CONSULTANTS LTD.

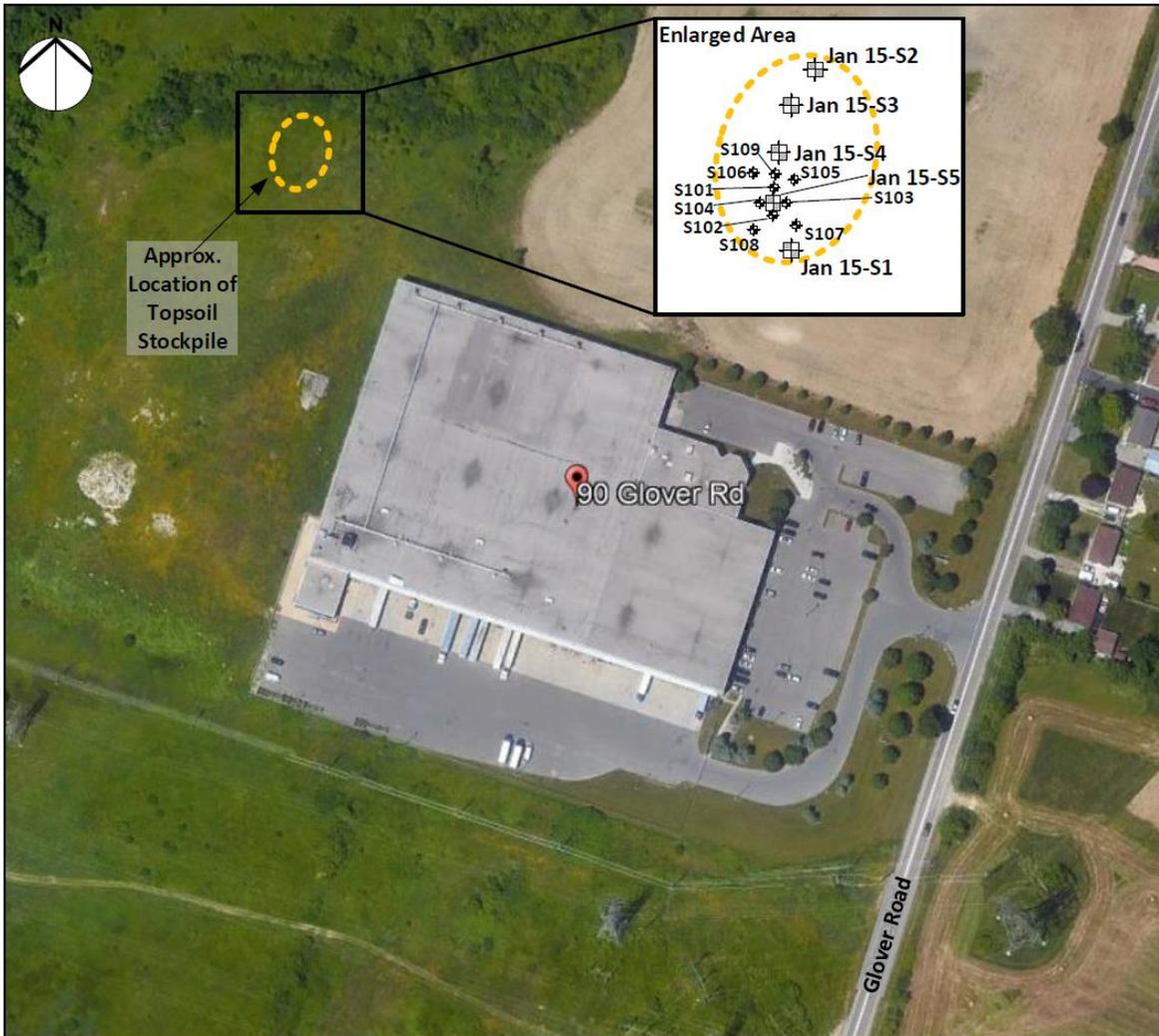
Ross Keiller, B.A. (Hons)
Environmental Technician

Ian Shaw, P.Eng., QP_{ESA}
Senior Engineer



Enclosures: Drawing No. 1, Sample Location Plan [1 page]
AGAT Certificate of Analysis: 21T709678 [7 pages]

Distribution: Penta Properties Inc. [1, plus pdf by email]



LEGEND	
	= Sample Location [Feb. 10, 2021]
	= Previous Sample Location [Jan. 15, 2021]
NOTES:	
1. This map should be read in conjunction with Soil-Mat Engineers and Consultants Ltd. Report No.: SM 301063-E.	
2. Sample locations are approximate.	
3. Drawing not to scale.	
Soil-Mat Engineers & Consultants Ltd.	
CLIENT Paletta International	
PROJECT TITLE Suppl. Environmental Soil Testing of Topsoil Stockpile 90 Glover Road Hamilton, Ontario	
DRAWING TITLE Sample Location Plan	
PROJECT No.	SM 301063-E
DATE	March 2021
CHECKED	-
DRAWN	RK
FILE NAME	SM 301063-E Suppl. Sample Location Plan .vsdx
DRAWING No. 1	



5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
<http://www.agatlabs.com>

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT
130 LANCING DRIVE
HAMILTON, ON L8W3A1
(905) 318-7440
ATTENTION TO: Ross Keiller
PROJECT: 301063
AGAT WORK ORDER: 21T709678
SOIL ANALYSIS REVIEWED BY: Nivine Basily, Inorganics Report Writer
DATE REPORTED: Feb 17, 2021
PAGES (INCLUDING COVER): 7
VERSION*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

*Notes

Disclaimer:

- All work conducted herein has been done using accepted standard protocols, and generally accepted practices and methods. AGAT test methods may incorporate modifications from the specified reference methods to improve performance.
- All samples will be disposed of within 30 days following analysis, unless expressly agreed otherwise in writing. Please contact your Client Project Manager if you require additional sample storage time.
- AGAT's liability in connection with any delay, performance or non-performance of these services is only to the Client and does not extend to any other third party. Unless expressly agreed otherwise in writing, AGAT's liability is limited to the actual cost of the specific analysis or analyses included in the services.
- This report shall not be reproduced or distributed, in whole or in part, without the prior written consent of AGAT Laboratories.
- The test results reported herewith relate only to the samples as received by the laboratory.
- Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to, warranties of merchantability, fitness for a particular purpose, or non-infringement. AGAT assumes no responsibility for any errors or omissions in the information contained in this document.
- All reportable information as specified by ISO/IEC 17025:2017 is available from AGAT Laboratories upon request.



Certificate of Analysis
AGAT WORK ORDER: 21T709678
PROJECT: 301063

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MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT
SAMPLING SITE: Hamilton, ON

ATTENTION TO: Ross Keiller
SAMPLED BY: Carlo R.

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

DATE RECEIVED: 2021-02-10				DATE REPORTED: 2021-02-17							
SAMPLE DESCRIPTION:				S101	S102	S103	S104	S105	S106	S107	S108
SAMPLE TYPE:				Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
DATE SAMPLED:				2021-02-10 09:00	2021-02-10 09:00	2021-02-10 09:00	2021-02-10 09:00	2021-02-10 09:00	2021-02-10 09:00	2021-02-10 09:00	2021-02-10 09:00
Parameter	Unit	G / S	RDL	2087642	2087645	2087646	2087647	2087648	2087649	2087650	2087651
Antimony	µg/g	1.3	0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8
Arsenic	µg/g	18	1	6	6	7	6	6	5	6	6
Barium	µg/g	220	2.0	115	121	105	95.2	108	98.1	98.0	92.9
Beryllium	µg/g	2.5	0.4	0.6	0.6	0.6	0.5	0.6	0.5	0.5	0.5
Boron	µg/g	36	5	7	5	9	8	8	7	8	6
Cadmium	µg/g	1.2	0.5	<0.5	<0.5	<0.5	0.7	0.5	<0.5	0.5	0.8
Chromium	µg/g	70	5	25	25	22	21	22	21	22	20
Cobalt	µg/g	21	0.5	11.4	11.9	9.7	9.3	10.7	10.5	9.8	9.3
Copper	µg/g	92	1.0	29.5	29.9	25.5	25.7	26.2	23.7	27.7	30.2
Lead	µg/g	120	1	43	52	55	74	54	34	44	71
Molybdenum	µg/g	2	0.5	0.7	0.6	0.6	0.6	0.8	0.6	0.6	0.7
Nickel	µg/g	82	1	24	26	21	20	23	21	21	21
Selenium	µg/g	1.5	0.8	<0.8	<0.8	<0.8	<0.8	0.9	<0.8	<0.8	<0.8
Silver	µg/g	0.5	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Thallium	µg/g	1	0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Uranium	µg/g	2.5	0.50	0.69	0.70	0.80	0.69	0.82	0.61	0.64	0.60
Vanadium	µg/g	86	0.4	30.6	31.3	30.4	30.1	30.9	29.0	29.3	26.7
Zinc	µg/g	290	5	158	177	212	232	157	178	215	268

Certified By:





Certificate of Analysis

AGAT WORK ORDER: 21T709678
PROJECT: 301063

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CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT
SAMPLING SITE: Hamilton, ON

ATTENTION TO: Ross Keiller
SAMPLED BY: Carlo R.

O. Reg. 153(511) - Metals (Including Hydrides) (Soil)

DATE RECEIVED: 2021-02-10

DATE REPORTED: 2021-02-17

SAMPLE DESCRIPTION: S109
SAMPLE TYPE: Soil
DATE SAMPLED: 2021-02-10
09:00

Parameter	Unit	G / S	RDL	2087652
Antimony	µg/g	1.3	0.8	<0.8
Arsenic	µg/g	18	1	5
Barium	µg/g	220	2.0	99.3
Beryllium	µg/g	2.5	0.4	0.5
Boron	µg/g	36	5	6
Cadmium	µg/g	1.2	0.5	0.5
Chromium	µg/g	70	5	21
Cobalt	µg/g	21	0.5	9.7
Copper	µg/g	92	1.0	26.4
Lead	µg/g	120	1	44
Molybdenum	µg/g	2	0.5	0.8
Nickel	µg/g	82	1	20
Selenium	µg/g	1.5	0.8	<0.8
Silver	µg/g	0.5	0.5	<0.5
Thallium	µg/g	1	0.5	<0.5
Uranium	µg/g	2.5	0.50	0.60
Vanadium	µg/g	86	0.4	27.4
Zinc	µg/g	290	5	199

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard; Refers to O. Reg. 406/19 TABLE 1: Full Depth Background Site Condition - RPIC
Guideline values are for general reference only. The guidelines provided may or may not be relevant for the intended use. Refer directly to the applicable standard for regulatory interpretation.
Analysis performed at AGAT Toronto (unless marked by *)

Certified By:





5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
http://www.agatlabs.com

Quality Assurance

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT
PROJECT: 301063
SAMPLING SITE: Hamilton, ON

AGAT WORK ORDER: 21T709678
ATTENTION TO: Ross Keiller
SAMPLED BY: Carlo R.

Soil Analysis																
RPT Date: Feb 17, 2021			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits		
								Lower	Upper		Lower	Upper		Lower	Upper	
O. Reg. 153(511) - Metals (Including Hydrides) (Soil)																
Antimony	2095799		<0.8	<0.8	NA	< 0.8	136%	70%	130%	110%	80%	120%	102%	70%	130%	
Arsenic	2095799		2	2	NA	< 1	116%	70%	130%	104%	80%	120%	110%	70%	130%	
Barium	2095799		26.9	27.3	1.5%	< 2.0	112%	70%	130%	101%	80%	120%	105%	70%	130%	
Beryllium	2095799		<0.4	<0.4	NA	< 0.4	81%	70%	130%	113%	80%	120%	100%	70%	130%	
Boron	2095799		<5	<5	NA	< 5	82%	70%	130%	112%	80%	120%	97%	70%	130%	
Cadmium	2095799		<0.5	<0.5	NA	< 0.5	116%	70%	130%	104%	80%	120%	108%	70%	130%	
Chromium	2095799		10	10	NA	< 5	99%	70%	130%	97%	80%	120%	99%	70%	130%	
Cobalt	2095799		3.0	3.1	1.7%	< 0.5	98%	70%	130%	101%	80%	120%	104%	70%	130%	
Copper	2095799		4.2	4.3	NA	< 1.0	93%	70%	130%	105%	80%	120%	101%	70%	130%	
Lead	2095799		4	4	NA	< 1	109%	70%	130%	103%	80%	120%	102%	70%	130%	
Molybdenum	2095799		<0.5	<0.5	NA	< 0.5	109%	70%	130%	99%	80%	120%	104%	70%	130%	
Nickel	2095799		7	6	2.1%	< 1	99%	70%	130%	104%	80%	120%	103%	70%	130%	
Selenium	2095799		<0.8	<0.8	NA	< 0.8	129%	70%	130%	105%	80%	120%	113%	70%	130%	
Silver	2095799		<0.5	<0.5	NA	< 0.5	96%	70%	130%	102%	80%	120%	100%	70%	130%	
Thallium	2095799		<0.5	<0.5	NA	< 0.5	106%	70%	130%	104%	80%	120%	102%	70%	130%	
Uranium	2095799		0.54	0.56	NA	< 0.50	110%	70%	130%	105%	80%	120%	106%	70%	130%	
Vanadium	2095799		19.5	19.4	0.4%	< 0.4	101%	70%	130%	94%	80%	120%	108%	70%	130%	
Zinc	2095799		18	18	NA	< 5	104%	70%	130%	107%	80%	120%	119%	70%	130%	

Comments: NA Signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.

More than 90% of the elements met acceptance limits and overall data quality is acceptable for use. For a multi-element scan up to 10% of analytes may exceed the quoted limits by up to 10% absolute.

Certified By: _____



AGAT Laboratories is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) and/or Standards Council of Canada (SCC) for specific tests listed on the scope of accreditation. AGAT Laboratories (Mississauga) is also accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific drinking water tests. Accreditations are location and parameter specific. A complete listing of parameters for each location is available from www.cala.ca and/or www.scc.ca. The tests in this report may not necessarily be included in the scope of accreditation. RPDs calculated using raw data. The RPD may not be reflective of duplicate values shown, due to rounding of final results.

Results relate only to the items tested. Results apply to samples as received.



5835 COOPERS AVENUE
MISSISSAUGA, ONTARIO
CANADA L4Z 1Y2
TEL (905)712-5100
FAX (905)712-5122
<http://www.agatlabs.com>

QA Violation

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT
PROJECT: 301063

AGAT WORK ORDER: 21T709678
ATTENTION TO: Ross Keiller

RPT Date: Feb 17, 2021			REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Sample Id	Sample Description	Measured Value	Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
				Lower	Upper		Lower	Upper		Lower	Upper
O. Reg. 153(511) - Metals (Including Hydrides) (Soil)											
Antimony		S101	136%	70%	130%	110%	80%	120%	102%	70%	130%

Comments: NA Signifies Not Applicable.
Duplicate NA: results are under 5X the RDL and will not be calculated.

More than 90% of the elements met acceptance limits and overall data quality is acceptable for use. For a multi-element scan up to 10% of analytes may exceed the quoted limits by up to 10% absolute.



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Method Summary

CLIENT NAME: SOIL MAT ENGINEERS & CONSULTANTS LT
PROJECT: 301063
SAMPLING SITE: Hamilton, ON

AGAT WORK ORDER: 21T709678
ATTENTION TO: Ross Keiller
SAMPLED BY: Carlo R.

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Soil Analysis			
Antimony	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Arsenic	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Barium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Beryllium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Boron	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cadmium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Chromium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Cobalt	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Copper	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Lead	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Molybdenum	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Nickel	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Selenium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Silver	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Thallium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Uranium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Vanadium	MET-93-6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS
Zinc	MET 93 -6103	modified from EPA 3050B and EPA 6020B and ON MOECC	ICP-MS



5835 Coopers Avenue
Mississauga, Ontario L4Z 1Y2
Ph: 905.712.5100 Fax: 905.712.5122
web@earth.agatlabs.com

Laboratory Use Only
Work Order #: 217709678
Cooler Quantity: _____
Arrival Temperatures: 3.7 | 3.8 | 3.8
3.8 | 3.8 | 3.9
Custody Seal Intact: Yes No N/A
Notes: _____

Chain of Custody Record If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water consumed by humans)

Report Information:
Company: _____
Contact: Soilmat
Ross Keiller
Address: _____
Phone: _____ Fax: _____
Reports to be sent to:
1. Email: rkeiller@soilmat.ca
2. Email: _____

Regulatory Requirements:
(Please check all applicable boxes)
 Regulation 153/04 Excess Soils R406
 Sewer Use
 Sanitary Storm
 CCME
 Prov. Water Quality Objectives (PWQO)
 Other
Soil Texture (Check One)
 Coarse No Stockpile In-situ
 Fine

Project Information:
Project: 90 Oliver rd #301063
Site Location: Hamilton, Ontario
Sampled By: Carlo R.
AGAT Quote #: _____ PO: _____
Please note: if quotation number is not provided, client will be billed full price for analysis.

Is this submission for a Record of Site Condition?
 Yes No
Report Guideline on Certificate of Analysis
 Yes No

Turnaround Time (TAT) Required:
Regular TAT 5 to 7 Business Days
Rush TAT (Rush Surcharges Apply)
 3 Business Days 2 Business Days Next Business Day
OR Date Required (Rush Surcharges May Apply): _____
Please provide prior notification for rush TAT
*TAT is exclusive of weekends and statutory holidays
For 'Same Day' analysis, please contact your AGAT CPM

Invoice Information: Bill To Same: Yes No
Company: _____
Contact: _____
Address: _____
Email: _____

Sample Matrix Legend

- B Biota
- GW Ground Water
- O Oil
- P Paint
- S Soil
- SD Sediment
- SW Surface Water

Field Filtered - Metals, Hg, CrVI, DOC	O. Reg 153	Metals & Inorganics, Inc. EC/SAR	Metals - ICPMS, CrVI, Hg, HNSB	BTEX, F1-F4 PHCs	Analyze PAG if required	Yes	No	PAHs	PCBs	VOC	Landfill Disposal Characterization TCLP: TCLP: <input type="checkbox"/> M&I <input type="checkbox"/> WOCs <input type="checkbox"/> ABNS <input type="checkbox"/> BAP/P <input type="checkbox"/> PCBs	Excess Soils SPLP Rainwater Leach	SPLP: <input type="checkbox"/> Metals <input type="checkbox"/> WOCs <input type="checkbox"/> SVOCs	Excess Soils Characterization: Package pH, ICPMS Metals, BTEX, F1-F4	Sat. - EC/SAR	Metals (incl. Hydroxides)	Potentially Hazardous or High Concentration (Y/N)

Sample Identification	Date Sampled	Time Sampled	# of Containers	Sample Matrix	Comments/ Special Instructions	Y/N
S101	Feb 10/21	9:00	AM PM			
S102			AM PM			
S103			AM PM			
S104			AM PM			
S105			AM PM			
S106			AM PM			
S107			AM PM			
S108			AM PM			
S109			AM PM			

Collected/Revised By (Print Name and Sign): Carlo Rivera Date: Feb 10/21 Time: 9:00 AM
 Samples Received By (Print Name and Sign): _____ Date: 2021/02/10 Time: 12:30
 Samples Received By (Print Name and Sign): _____ Date: _____ Time: _____
 Samples Received By (Print Name and Sign): _____ Date: _____ Time: _____
 Page 1 of 1
 No: **T 107220**



Hamilton

Planning and Economic Development Department
Growth Management Division
71 Main Street West, 6th Floor
Hamilton, Ontario, L8P 4Y5
Phone: (905) 546-2424 x.2978 Fax: (905) 540-5611

By-Law 19-286 – General Application Requirements

An application for a Site Alteration Permit shall contain (Please check each box to ensure the item is included for submission):

- (a) the address, legal description and registered owner of the site;
- (b) the area of the site in hectares;
- (c) up-to-date contact details of the owner of the site, and of the applicant, if not the owner of the site;
- (d) the past, current and intended future uses of the site; including a zoning verification from Building services; *AI-118 Continue sod farm operation*
- (e) the purpose of the proposed site alteration; *Replenish supply of topsoil in order to continue existing sod farm operation*
- (f) the volume of soil involved in the proposed site alteration in cubic metres; *Approx. 1,750 cu-m*
- (g) intended start date and completion date for the proposed site alteration; *Material already onsite - this application is to address Order 21-134502*
- (h) a control plan of the site and the area within 30 metres of the property lines of the site drawn to scale, prepared by a licenced surveyor, professional engineer or professional geoscientist, showing the property lines and all existing and proposed:
 - (i) elevation contours at 0.5 metre intervals or less;
 - (ii) spot elevations at 15 metre intervals along the property lines;
 - (iii) predominant native soil types;
 - (iv) buildings and other structures including retaining walls;
 - (v) highways, driveways and paths;
 - (vi) impermeable surfaces;
 - (vii) easements and rights-of-way;
 - (viii) above- and below-ground private, municipal or utility infrastructure including the size and invert elevations of drainage
 - (ix) swales, ditches, pipes and culverts;
 - (x) bodies of water and watercourses;
 - (xi) wetlands and floodplains;
 - (xii) Conservation Authority regulation boundaries;
 - (xiii) trees measuring 150 mm or greater in diameter at breast height including species;
 - (xiv) vegetation masses by canopy outline;



Hamilton

Planning and Economic Development Department
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- (xiv) tree protection measures;
- (xv) erosion and sediment control measures;
- (xvi) construction site control and security measures;
- (xvii) locations of site alteration including temporary stockpiles, specifying the volumes, source and type of fill involved;
- (xviii) final ground covering;

- (i) design details and specifications for any proposed retaining walls; *N/A*
- (j) design details and specifications for any proposed drainage or stormwater management systems; *N/A*
- (k) if required by the Director, in a form satisfactory to the Director,

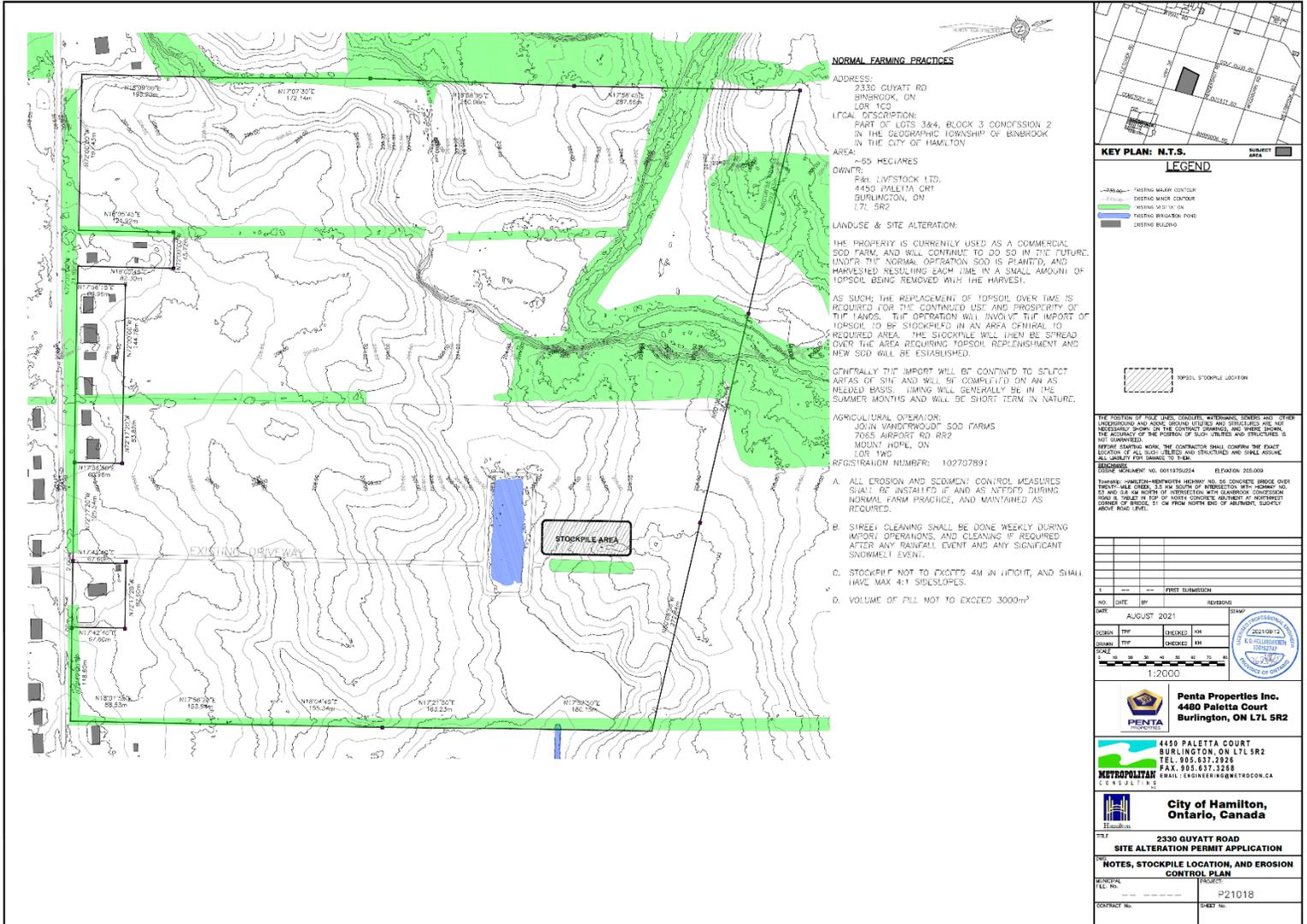
- (i) an excess soil management plan prepared by a qualified person,
 - (ii) a dust management plan,
 - (iii) an erosion and sediment control plan, *N/A*
 - (iv) a groundwater management plan,
 - (v) a stormwater management plan,
 - (vi) a traffic management plan; and
- No more material to bring in.*

- (l) any other information, plans or studies the Director requires to determine whether the site alteration proposal complies with this By-law.

Normal Farm Practice

Applications for a site alteration permit where an agricultural operation is carried on or is intended to be carried on and the proposed site alteration is part of a normal farm practice shall contain;

- (a) the contact details of the farmer responsible for the agricultural operation; *905-521-1567 Vanderwoude Sod*
- (b) a statement of nature of the agricultural operation; *Sod Farm*
- (c) the farm business registration number of the agricultural operation; *2312411*
- (d) a description of the normal farm practice; and *Replenish topsoil for sod farm.*
- (e) any plans or evidence supporting the normal farm practice, including the qualifications of any person providing such plans or evidence



NORMAL FARMING PRACTICES

ADDRESS:
2330 QUAYT RD
BINBROOK, ON
L0R 1C0

LEGAL DESCRIPTION:
PART OF LOTS 3&4, BLOCK 3 CONFESSION 2
IN THE GEOGRAPHIC TOWNSHIP OF BINBROOK
IN THE CITY OF HAMILTON

AREA:
~85 HECTARES

OWNER:
P&L LIVESTOCK LTD.
4450 PALETTA CRT
BURLINGTON, ON
L7L 5R2

LANDUSE & SITE ALTERATION:

THE PROPERTY IS CURRENTLY USED AS A COMMERCIAL SOD FARM, AND WILL CONTINUE TO DO SO IN THE FUTURE. UNDER THE NORMAL OPERATION SOD IS PLANTED, AND HARVESTED RESULTING EACH TIME IN A SMALL AMOUNT OF TOPSOIL BEING REMOVED WITH THE HARVEST.

AS SUCH, THE REPLACEMENT OF TOPSOIL OVER TIME IS REQUIRED FOR THE CONTINUED USE AND PROSPERITY OF THE FARMS. THIS OPERATION WILL INVOLVE THE IMPORT OF TOPSOIL TO BE STOCKPILED IN AN AREA OF 10% OF THE REQUIRED AREA. THE STOCKPILE WILL THEN BE SPREAD OVER THE AREA REQUIRING TOPSOIL REPLACEMENT AND NEW SOD WILL BE ESTABLISHED.

GENERALLY THE IMPORT WILL BE CONTINUED TO SELECT AREAS OF SOIL AND WILL BE COMPLETED ON AN AS NEEDED BASIS. TIMING WILL GENERALLY BE IN THE SUMMER MONTHS AND WILL BE SHORT TERM IN NATURE.

AGRICULTURAL OPERATION:
JOHN WINDROWLDT SOD FARMS
7065 AIRPORT RD BR2
MOUNT HOPE, ON
L0E 1W0

REGISTRATION NUMBER: 10277891

- A. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF AND AS REQUIRED DURING NORMAL FARM PRACTICE, AND MAINTAINED AS REQUIRED.
- B. STREET CLEANING SHALL BE DONE WEEKLY DURING IMPORT OPERATIONS, AND CLEANING IF REQUIRED AFTER ANY RAINFALL EVENT AND ANY SIGNIFICANT SNOWMELT EVENT.
- C. STOCKPILE NOT TO EXCEED 4M IN HEIGHT, AND SHALL HAVE MAX 4:1 SIDESLOPES.
- D. VOLUME OF FILL NOT TO EXCEED 3000m³



KEY PLAN: N.T.S.

LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING DRIVEWAY
- EXISTING BRUSHY POND
- EXISTING BLDG
- TOPSOIL STOCKPILE LOCATION

THE PORTION OF POLE LINES, CONDUITS, WATERMANS, SEWER AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTACT DRAWING, AND WHERE SUCH ARE KNOWN TO BE PRESENT, THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGES TO THEM.

NO.	DATE	BY	REVISION

1:2000

Penta Properties Inc.
4480 Paletta Court
Burlington, ON L7L 5R2

4450 PALETTA COURT
BURLINGTON, ON L7L 5R2
TEL: 905.637.2926
FAX: 905.637.3268
EMAIL: ENGINEERS@METROPOLITAN.CA

METROPOLITAN CONSULTING

City of Hamilton, Ontario, Canada

2330 QUAYT ROAD
SITE ALTERATION PERMIT APPLICATION

NOTES, STOCKPILE LOCATION, AND EROSION CONTROL PLAN

PROJECT: P21018

CONTRACT NO. SHEET NO.

John Vanderwoude Sod Farms Ltd.

7065 Airport Road, RR#2
Mt. Hope, Ontario
L0R 1W0

October 8, 2021

Mr. Alvin Chan
Planning & Economic Development Department
City of Hamilton
71 Main Street West
Hamilton, Ontario
L8P 4Y5

Dear Mr. Chan:

Re: Farming Rationale - 0 Guyatt Road (formerly 2330 Guyatt Road)

We, John Vanderwoude Sod Farms Ltd., are the tenant farmer of the above-mentioned property. We have been actively farming this property for sod production for over 10 years.

We were approached by the landowner to create a topsoil stockpile for our use. We agreed because we are able to spread the topsoil as needed in the low areas in this field. This makes it easier for us to mow and harvest our sod as it makes the field more level.

When an opportunity arises, we as sod farmers are happy to reap the benefits at no cost. That is exactly what happened in this particular instance, where the landowner (who is also a developer) had excess topsoil from their nearby project at 90 Glover Road in Hamilton (less than 10km away), and was able to haul it to this property for our use. The soil was analyzed in advance by Soil-Mat Engineers and determined to be suitable for agricultural use. It was a mutually beneficial scenario. We needed topsoil, they had topsoil, it was a win-win. Our understanding is that no additional topsoil is available at this time, therefore the importing activities from that source have concluded.

The nearby irrigation pond was constructed by, and maintained by our company. This is not a natural feature, we built it. We use it as part of our irrigation program for the farm. This man-made irrigation pond will not be negatively impacted by the placement of this topsoil stockpile, because quite frankly, we will not allow it. We chose this stockpile location intentionally. We need this pond as part of our farming operation just as much as we need the topsoil. It is not in our best interest to negatively impact our own farm operation.

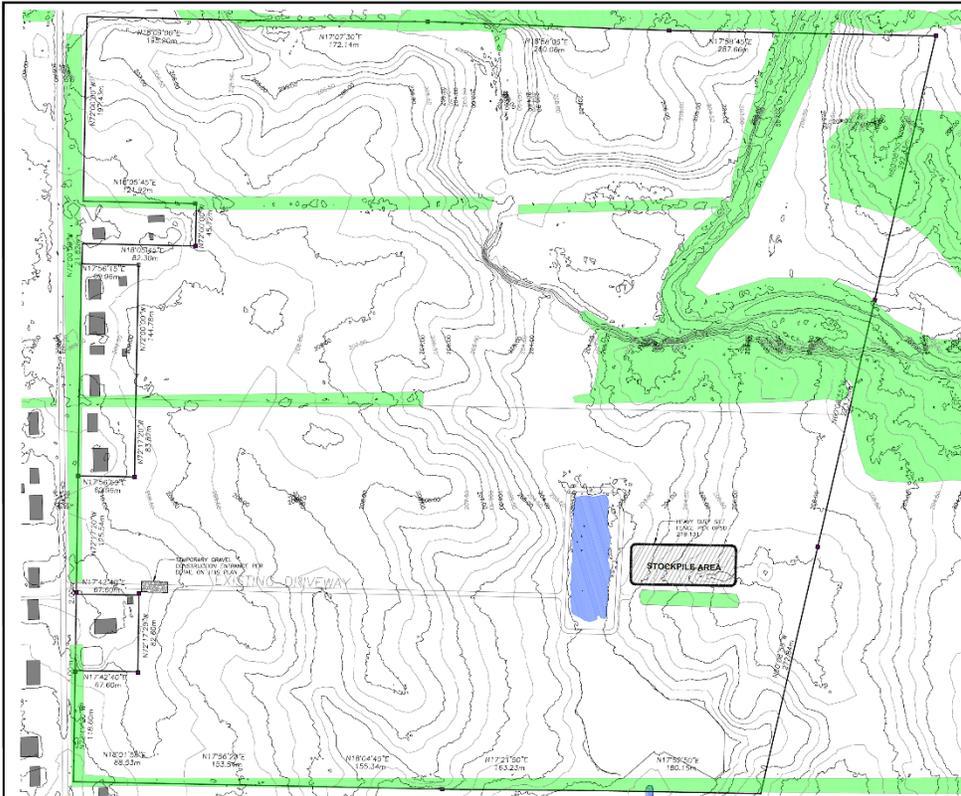
Trusting this additional clarification is beneficial for your review of the land owner's Site Alteration Permit application.

Yours truly,

John Vanderwoude Sod Farms Ltd.



Trevor Vanderwoude



NORMAL FARMING PRACTICES

ADDRESS: 4330 DUPONT RD
BURLINGTON, ON
L7L 5R2
LEGAL DESCRIPTION: PART OF LOTS 28A, BLOCK 3 CONVESSION 2 IN THE CITY OF HAMILTON
APR: -63 (REVISED)
OWNER: PALETTA COS 4480 PALETTA CRT BURLINGTON, ON L7L 5R2
LANDUSE & SVP ALLOCATION:

THE PROPERTY IS CURRENTLY USED AS A COMMERCIAL SOD FARM AND WILL CONTINUE TO DO SO IN THE FUTURE. THE NORMAL OPERATIONS FOR SO FARMING ARE EXPECTED RESULTING WITH THE A SMALL AMOUNT OF TOPSOIL BEING REMOVED WITH THE HARROW.

AS PART OF THE REPLACEMENT OF EXISTING DRAINAGE IS REQUIRED FOR THE CONTINUED USE AND IMPROVEMENT OF THE FARM. THE OPERATIONS WILL INVOLVE THE REMOVAL OF TOPSOIL TO BE STOCKPILED IN AN AREA ADJACENT TO EXISTING ROAD. THE STOCKPILE WILL BE COVERED OVER THE AREA REQUIRING TOPSOIL REPLACEMENT AND NEW SOD WILL BE ESTABLISHED.

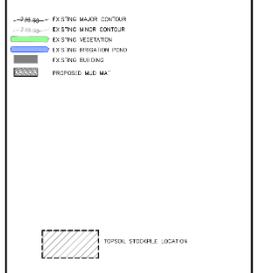
USUALLY THE IMPORT WILL BE COMPLETED TO EFFECT AREAS OF SVP AND WILL BE COMPLETED ON AN AS NEEDED BASIS. IMPORT WILL GENERALLY BE IN THE SUMMER MONTHS AND WILL BE SHORT TERM IN NATURE.

EROSION AND SEDIMENT CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED IF AND AS NEEDED TO PREVENT EROSION, SILTATION, AND POLLUTION OF RECEIVING WATERS.
- STABLE CHANNELS SHALL BE CONSIDERED AS NEARLY EXISTING BEFORE OPERATIONS AND CLEANING IS REQUIRED AFTER ANY REMOVAL EXCEPT ANY SCOURING CHANNELS.
- STOCKPILE NOT TO EXCEED 4M IN HEIGHT AND SHALL HAVE MAX 4:1 SLOPES.
- VOIDS OF FILL NOT TO EXCEED 200MM.
- ALL FILL TO BE BROUGHT IN BY "CLEAN" AND PROFF FROM OFFSITE.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE AS PER THE "FORECAST SOILS" UNDER THE AREA GOVERNMENT AUTHORITIES' DESIGN AND SPECIFIC CONTROL GUIDANCE FOR SOILS COLLECTION.
- OWNER IS RESPONSIBLE FOR THE REMOVAL OF ALL SAND AND SILTS THAT ARE STOCKPILED INTO THE RECEIVING POND. BEFORE ENDING AND LEAVING THE CONSTRUCTION SITE, THE OWNER SHALL REMOVE ALL SAND AND SILTS FROM THE SITE. THE CITY WILL PROVIDE WITH THE CLEANUP OPERATIONS AT THE PROPERTY. SHOULD THE OWNER FAIL TO REMOVE THE SAND AND SILTS, THE CITY WILL HAVE THE CLEANING CARRIED OUT AND CHARGE ON THE SECURITY FOR COSTS AND/OR ANY CHARGES.



KEY PLAN: N.T.S.



THE POSITION OF POLE LINES, CONDUITS, WATERWAYS, STORM AND OTHER UNDERGROUND AND ABOVE GROUND UTILITIES AND STRUCTURES ARE NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS BEFORE STARTING WORK, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

ENGINEER: METROPOLITAN CONSULTANTS INC. REG. ENGINEER NO. 001975/224 E. FLEMING 206.526
TOWNSHIP: HAMILTON-NORTHWEST HURONRY REG. 50 CONCRETE BRIDGE OVER TEMPERANCE CREEK TO THE SOUTH OF WETTEDOWN WITH BARRAGED ROAD IS TAILED IN TOP OF NORTH CONCRETE ABUTMENT AT UNDERPASS CORNER OF BRIDGE, 51 CM FROM NORTH END OF ABUTMENT, GRABBY ABOVE ROAD LEVEL.

