



March 24, 2023

Regional Municipality of Durham  
605 Rossland Road East  
Whitby, ON L1N 6A3

Attention: Heather Finley

**Re: Letter of Reliance: Parts of Lots 21 and 22, Concession 5, Pickering, Ontario**  
Pinchin File: 213894.001

At the request of Shad & Associates Inc. and for other good and valuable consideration, Pinchin Ltd. (Pinchin) represents and warrants to the Regional Municipality of Durham (the Region) that the report noted herein (the Report) and work completed was in accordance with Ontario Regulation 153/04 (O.Reg.153/04), unless stated otherwise in the Report, for the purposes of filing a Record of Site Condition (RSC) in accordance with O.Reg. 153/04 and was completed by or under the supervision of a Qualified Person within the meaning of the Environmental Protection Act and O.Reg. 153/04, as amended from time to time.

Pinchin agrees that the Region may rely upon the Report listed herein and referenced by the Region including the representations, assumptions, findings and recommendations contained in the Report:

- *"Update Phase One Environmental Site Assessment, Parts of Lots 21 and 22, Concession 5, Pickering, Ontario"*, dated May 27, 2022, authored by Francesco Gagliardi and reviewed by Frank DiMaria of Pinchin.

Pinchin further agrees that that in the case of any inconsistency between this reliance letter and any limitations set out in the Report, this letter shall take priority.

Pinchin understands and agrees that it is appropriate to extend reliance to the Region in relation to the Report listed herein so as to assist the Region in its assessment of the environmental suitability of the site and/or request to use non-potable groundwater standards.

Pinchin further agrees that it will promptly notify the Region upon receipt of notice by the Ministry of the Environment, Conservation and Parks (MECP) that the MECP intends to audit the Report listed herein and, if so, to provide the Region with written confirmation of the results of the audit (only applicable if filing the Report as part of an RSC or Risk Assessment).

Pinchin represents and warrants that it complies with all applicable insurance provisions contained within O.Reg. 153/04, as amended.

Pinchin shall provide the Region with proof of insurance and maintain a minimum Professional Liability insurance coverage of \$2,000,000 per claim and \$4,000,000 aggregate.



**Letter of Reliance**

Parts of Lots 21 and 22, Concession 5, Pickering, Ontario  
Regional Municipality of Durham

March 24, 2023  
Pinchin File: 213894.001

Pinchin agrees that its liability to the Region shall not be limited to an amount less than the Region's minimum insurance requirements set out immediately above.

Pinchin shall indemnify and save harmless the Region and its elected officials, officers, employees and agents from and against all claims actions, causes of action, losses, expenses, fines, costs, interest or damages of every nature and kind whatsoever, arising out of or allegedly attributable to the negligent acts, errors, omissions, misfeasance, nonfeasance, fraud or willful misconduct of Pinchin, its directors, officers, employees, agents, contractors and subcontractors, or any of them, in connection with or in any way related to the delivery or performance of the work and reports provided to the Region that is subject to this reliance letter. This indemnity shall be in addition to and not in lieu of any insurance to be provided by Pinchin in accordance with this reliance letter

Sincerely,

**Pinchin Ltd.**

Prepared by:

**Andy Vanin, P. Eng. QP<sub>ESA</sub>**

Executive Vice President, Southwest Ontario

289.678.0684

[avanin@pinchin.com](mailto:avanin@pinchin.com)

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Template: Master Template for Letter of Reliance, July 14, 2019



May 27, 2022

Seaton TFPM Inc.  
c/o Shad & Associates Inc.  
83 Citation Drive, Unit 9  
Vaughan, Ontario, L4K 2Z6

E-mail: [houshang@shadinc.ca](mailto:houshang@shadinc.ca)

Attention: Dr. Houshang Shad, PhD, P.Eng

**Re: Update Phase One Environmental Site Assessment**  
Parts of Lots 21 and 22, Concession 5, Pickering, Ontario  
Pinchin File: 213894.001

Pinchin Ltd. (Pinchin) is pleased to provide the findings of our Update Phase One Environmental Site Assessment (ESA) to Seaton TFPM Inc. (Client) c/o Shad & Associates Inc. (Shad) for the property identified as Parts of Lots 21 and 22, Concession 5 in Pickering, Ontario (Phase One Property or Site).

## **1.0 BACKGROUND**

This Update Phase One ESA has been prepared by Pinchin for Client as an update to a Phase One ESA report dated January 12, 2018 and an Update Phase One ESA report dated March 2, 2020. The Site location is shown on Figure 1, and the Phase One Property and Phase One Study Area are shown on Figure 2 (all figures are provided in Appendix I).

Pinchin previously prepared the following reports:

- *“Phase One Environmental Site Assessment, Parts of Lot 21 and 22, Concession 5, Pickering, Ontario”*, prepared for Mattamy Development Corporation c/o Shad, dated January 12, 2018 (2018 Pinchin Phase One ESA Report);
- *“Phase Two Environmental Site Assessment, Parts of Lot 21 and 22, Concession 5, Pickering, Ontario”*, prepared for Mattamy Development Corporation c/o Shad, dated September 5, 2018 (2018 Pinchin Phase Two ESA Report);
- *“Phase One Environmental Site Assessment, Parts of Lot 21 and 22, Concession 5, Pickering, Ontario”*, prepared for Mattamy Development Corporation c/o Shad, dated March 2, 2020 (2020 Pinchin Update Phase One ESA Report); and
- *“Phase Two Environmental Site Assessment, Parts of Lot 21 and 22, Concession 5, Pickering, Ontario”*, prepared for Mattamy Development Corporation c/o Shad, dated March 13, 2020 (2020 Pinchin Update Phase Two ESA Report).

Pinchin notes that the boundaries of the Phase Two Property assessed as part of the 2018 Pinchin Phase Two ESA Report and 2020 Pinchin Update Phase Two ESA Report are equivalent to the boundary of the Site / Phase One Property.



At the time of the above-noted assessments, the Phase One Property consisted of undeveloped agricultural land.

Based on information obtained during the 2018 Pinchin Phase One ESA, one area of potential environmental concern (APEC) with one corresponding potential contaminant of concern (PCOC) was identified that could potentially affect the environmental condition of the subsurface media on, in or under the Phase One Property. The PCOC associated with the identified APEC was based on a review of the contaminating source areas and hazardous substances associated with the related activities.

The PCOC was APEC-specific and was determined based on several sources of information, including but not limited to: Pinchin’s experience with environmental contamination and hazardous substances; common industry practices for analysis of such contaminants and point sources; literature reviews of PCOCs and associated hazardous substances; and evaluations of contaminant mobility and susceptibility for migration in the subsurface.

The following table presents the identified APEC and associated PCOC:

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC #1 (Historical Agricultural Operations)	Entirety of Phase One Property	Item 40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site	OCs	Soil

Notes:

OCs – organochlorine pesticides

The Potentially Contaminating Activity (PCA) in the above-noted table is discussed in further detail in the 2018 Pinchin Phase One ESA Report. Based on the findings of the 2018 Pinchin Phase One ESA Report, Pinchin recommended completing a Phase Two ESA at the Phase One Property.



The 2018 Pinchin Phase One ESA Report and all subsequent Phase One and Two ESA reports prepared by Pinchin, were completed in order to support the filing of a Record of Site Condition (RSC) at the Site in accordance with in accordance with Part VII and Schedule D of the Province of Ontario's *Environmental Protection Act R.S.O. 1990, c. E.19* and *Ontario Regulation 153/04: Records of Site Condition – Part XV.1 of the Act*, and last amended by Ontario Regulation 214/21 on March 19, 2021 (O. Reg. 153/04). The filing of an RSC with the Ontario Ministry of the Environment, Conservation and Parks (MECP) is required for the intended future residential development of the Phase One Property. Given that the Phase One Property is to be redeveloped from agricultural to residential land, there is no requirement that an RSC be filed per Section 168.3.1 of the Province of Ontario's *Environmental Protection Act*. However, Pinchin notes that the RSC filing is required to satisfy the City of Pickering's requirements for property redevelopment purposes, and that the Site is not intended to be redeveloped to a more sensitive land use.

The purposes of this Update Phase One ESA were to:

- Assess whether any new APECs or PCAs exist at the Phase One Property or Phase One Study Area;
- Provide a revised table and figures summarizing PCAs identified in the Phase One Study Area; and
- Provide a revised Phase One Conceptual Site Model (Phase One CSM) following further consideration of potential exposure pathways and ecological receptors.

The Update Phase One ESA constitute the Phase One ESA reporting requirements necessary to support the filing of an RSC for the Site in accordance with O. Reg. 153/04. An update must be prepared if a Phase One ESA report is more than 18 months old prior to filing an RSC.

The APEC listed in the table above was considered to be the basis of the Phase Two ESA activities.

## **2.0 SCOPE OF WORK**

The scope of work for this Update Phase One ESA was consistent with O. Reg. 153/04 in support of filing an RSC and was comprised of a Site reconnaissance. The Site reconnaissance comprised of a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly-accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of potentially contaminating activities (PCAs).

Furthermore, Pinchin conducted an interview with the current Site owner to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area.



## **2.1 Written Description of Investigation**

### *2.2.1 Summary of Site Reconnaissance*

As part of this Update Phase One ESA, Ms. Cayli Griffith of Pinchin completed an additional Site reconnaissance on May 6, 2022, under supervision of Pinchin's Qualified Person for this project. The Site reconnaissance was documented with notes and photographs. Ms. Cayli Griffith is a Project Coordinator with 6 years of environmental consulting experience. Pinchin visited the Phase One Property and surrounding properties within the Phase One Study Area to document environmental conditions.

During the Site reconnaissance, Pinchin viewed all accessible areas within the Phase One Property and viewed publicly-accessible portions of the adjacent lands for the presence of actual or potential issues of environmental concern. The Site reconnaissance was conducted between the hours of 10:00 AM and 10:30 AM. During the Site reconnaissance, the weather was overcast, and the ambient temperature was approximately 14° Celsius. The Phase One Property reconnaissance was conducted on foot and consisted of a full walk-through of the Phase One Property. There were no access restrictions for Pinchin for the Phase One Property.

Photographs of some of the features noted during the Site reconnaissance are attached in Appendix II.

The results of the subsequent Site reconnaissance indicated that the Site is currently vacant and undeveloped. No other substantial changes have been observed to have occurred on the Phase One Property or on the surrounding properties located within the Phase One Study Area from the time of the initial Site reconnaissances in 2018 and 2020 that would result in potential subsurface impacts at the Phase One Property. Of note, the adjacent property to the south of the Site was in the process of development, which was different from the original 2018 Phase One ESA and 2020 Update Phase One ESA. All other surrounding land uses within the Phase One Study Area were similar to those observed in the original 2018 Phase One ESA and 2020 Update Phase One ESA. No additional PCAs or APECs, beyond those identified in the initial Phase One ESA, have been identified.

A plan showing the location of the Phase One Study Area is attached as Figure 3.



### 3.0 REVIEW AND EVALUATION OF INFORMATION

#### 3.1 Current and Past Uses

The following table is a summary of the current and past land uses of the Phase One Property:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
Pre-1802	Crown	Assumed agricultural	Agricultural or Other	The Chain of Title determined that the Phase One Property was owned by various individuals from 1798 until 1973. According to aerial photographs, the Phase One Property has never been developed.
1802-1831	Isabella Hill			
1831-1835	Amos Griswold			
1835-1841	William Proudfoot			
1841-1862	James W. Sherrard			
1862-1951	John Philips			
1951-1956	Malcolm C. Patterson			
1956-1957	Raymond Anderson			
1957-1971	Raymond R. Anderson & Mabel E. Anderson	Assumed agricultural	Agricultural or Other	The Chain of Title determined that the Phase One Property was owned by various individuals from 1798 until 1973. According to aerial photographs, the Phase One Property has never been developed.
1971-1973	Sarick Homes (Ontario) Ltd. – 1/3 Inter Panmuir Holdings Ltd., 1/3 Int. Samuel Sarrick Ltd., 1/3 Int. viz Partnership as Pickering Sands Gravel			
1973-1979	Her Majesty the Queen			
1979-2006	Ontario Land Corporation			
2006-2012	Her Majesty the Queen in Right of Ontario as Represented by the Minister of Public Infrastructure Renewal			
2012-2015	Her Majesty the Queen in Right of Ontario as Represented by the Minister of Infrastructure			



Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, FIPs, etc.
2015-2018	Name change to Her Majesty the Queen in Right of Ontario as Represented by the Minister of Economic Development, Employment and Infrastructure			
2018-present	Seaton TFPM Inc.			

To the best of Pinchin’s knowledge, the Phase One Property has never been developed and has been used as agricultural land since the early 1800s. In summary, the Phase One Property was owned by various individuals from as early as 1802.

It is Pinchin’s opinion that the Phase One Property has never been developed and has been used as agricultural land with no buildings constructed. The date of the first developed use of the Phase One Property was determined through a review of aerial photographs, previous reports, and a title search, which was filed for the property to its earliest time of ownership and possible development. No other historical records were available to Pinchin that provided information for determining the date of first developed use of the Phase One Property.

### 3.2 Potentially Contaminating Activities

#### 3.2.1 On-Site PCAs

Pinchin’s investigation of the Phase One Property during the previous Phase One ESAs identified the following on-Site PCA that was considered to represent an APEC at the Phase One Property:

- PCA#1: Item 40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications (historical use).

There were no new PCAs identified at the Phase One Property identified as part of this Update Phase One ESA. Furthermore, based on this Update Phase One ESA, Pinchin understands that agricultural activities involving the use of pesticides are no longer conducted at the Phase One Property. As such, nothing was identified at the Site that is likely to result in potential subsurface impacts at the Site.

The locations of the on-Site PCA is shown on Figure 4.





### 3.2.2 Off-Site PCAs

Pinchin’s investigation of the Phase One Study Area outside of the Phase One Property during the previous Phase One ESAs identified off-Site PCAs that were not considered to represent an APEC at the Phase One Property. These off-Site PCAs are not considered to represent an environmental concern for the Phase One Property due to the distance from the PCAs to the Phase One Property, the nature and biodegradability of the contaminants of concern, and or the downgradient/transgradient location of the PCAs relative to the Phase One Property.

No substantive changes were observed to have been made to the Phase One Study Area from the time of the initial Site reconnaissances in 2018 or 2020. There were no new PCAs identified at the Phase One Study Area outside of the Phase One Property as part of this Update Phase One ESA. As such, nothing was identified in the Phase One Study Area that is likely to result in potential subsurface impacts at the Site.

The locations of the off-Site PCAs are shown on Figure 4.

### 3.3 Areas of Potential Environmental Concern

The following table summarizes all APECs identified during at the Phase One Property, as well as their respective PCAs, PCOCs and the media which could potentially be impacted:

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC #1 (Historical and Current Agricultural Operations)	Entirety of Phase One Property	Item 40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site	OCs	Soil

Notes:

OCs – Organochlorine Pesticides



The potential for environmental impact to the Phase One Property was based on a combined probability for a source to contaminate, and the contaminants ability for migration on, or to the Phase One Property. This evaluation included factors such as distance of a PCA from the Phase One Property, groundwater flow direction, mobility of PCOCs and potential for natural attenuation and lithology.

The PCOCs are APEC specific and are determined based on several sources of information including, but not limited to, Pinchin's experience with environmental contamination and hazardous substances, common industry standards for analysis of such contaminants and point sources, literature reviews of PCOCs and associated hazardous substances and evaluations of certain contaminant's mobility and susceptibility for migration in the subsurface.

A plan showing the location of the PCAs and Phase One Study Area is attached as Figure 4. A plan showing the locations of the APEC on the Phase One Property is shown on Figure 5.

2018 Pinchin Phase Two ESA Report documents the completion of a Phase Two ESA at the Phase One Property by Pinchin. The Phase Two ESA field investigation was completed by Pinchin on June 18, 2018 and included the advancement of twelve boreholes at the Phase One Property. The boreholes were advanced to a depth of approximately 0.3 metres below ground surface (mbgs). Select soil samples collected from each of the borehole locations were submitted for laboratory analysis of the OCs package, which includes the analysis of polychlorinated biphenyls (PCBs). For clarity, Pinchin notes that PCBs are not considered to be a PCOC for the Phase One Property. The borehole locations are presented on Figure 6.

Based on Site-specific information, the applicable regulatory standards for the Phase Two Property were determined to be the *Table 2 Standards* for residential/parkland/institutional land use and medium and fine-textured soils. The laboratory analytical results for the submitted soil samples indicated that all reported concentrations for the parameters analyzed met the corresponding *Table 2 Standards*.

Pinchin filed an RSC (RSC number 228675) for the Site with the MECP, which was acknowledged by the MECP on July 20, 2021.

### **3.4 Updated Phase One Conceptual Site Model**

A conceptual site model (CSM) was created to provide a summary of the findings of the Update Phase One ESA. The Phase One CSM is summarized in Figures 1 through 5, which illustrate the following features within the Phase One Study Area, where present:

- Existing buildings and structures;
- Water bodies located in whole or in part within the Phase One Study Area;
- Areas of natural significance located in whole or in part within the Phase One Study Area;



- Drinking water wells located at the Phase One Property;
- Land use of adjacent properties;
- Roads within the Phase One Study Area;
- PCAs within the Phase One Study Area, including the locations of tanks; and
- APECs at the Phase One Property.

The following provides a narrative summary of the Update Phase One CSM:

- The Phase One Property is an irregularly shaped parcel of land approximately 48.3 acres (19.55 hectares) in size located approximately 500 m south of Highway 407, approximately 900 m west of Elsa Storrey Avenue, and approximately 600 m north of Whitevale Avenue. The Phase One Property consists of vacant agricultural land. There is no record of industrial use or of a commercial use (e.g., garage, bulk liquid dispensing facility or dry cleaner) that would require classifying the Phase One Property as an enhanced investigation property.
- No water bodies were identified on the Phase One Property. The nearest water body is Urfe Creek, which is located approximately 50 m east of the Phase One Property;
- No areas of natural significance were identified within the Phase One Study Area.
- No drinking water wells were located on the Phase One Property.
- The adjacent properties within 250 m of the Phase One Property consist of agricultural land and/or forested land.
- A total of two PCAs were identified within the Phase One Study Area, consisting of one PCA at the Phase One Property and one PCA within the Phase One Study Area, outside of the Phase One Property. As shown on Figure 4, the off-Site PCAs are the current and historical use of pesticides associated with agricultural land use on adjacent properties, while the on-Site PCA is the current and historical use of pesticides associated with agricultural land use on the Phase One Property. Groundwater flow within the Phase One Study Area is interpreted to be generally towards the southeast, with flow to the southwest in the northwest portion and to the northeast in the eastern portion. The off-Site PCAs are not considered to result in an APEC at the Phase One Property based on the nature of the contaminants and their limited mobility in surface soils. Figure 5 provides a detailed summary of the APEC and associated PCA and COPCs.
- There are no known underground utilities at the Phase One Property.



- A review of the available physiographical data indicates that the Phase One Property and the surrounding properties located within the Phase One Study Area are located within glaciofluvial deposits of drumlinized till plains, beaches, and sand plains, with the primary native material consisting of silty sand to sand and gravelly sand and gravel. Bedrock is expected to consist of shale, limestone, dolostone and siltstone, of the Blue Mountain Formation, Billings Formation, Collingwood Member, and Eastview Member. The topography is considered to be mainly flat to rolling low local relief with dry surface water drainage conditions. During previous on-Site environmental investigations, the soil stratigraphy was observed to consist of silty sand, sandy silt and/or clayey silt till with trace to some gravel, cobbles and boulders.
- The unconfined groundwater beneath the Phase One Property is expected to generally flow to the southeast, with flow to the southwest in the northwest portion and to the northeast in the eastern portion.

There were no deviations from the Phase One ESA requirements specified in O. Reg. 153/04 or absence of information that have resulted in uncertainty that would affect the validity of the Phase One CSM.

#### **4.0 CONCLUSIONS AND RECOMMENDATIONS**

Pinchin conducted this Update Phase One ESA in order to satisfy the requirements of O. Reg. 153/04. No additional PCAs or APECs beyond that which was previously identified in the 2018 Pinchin Phase One ESA Report or the 2020 Update Pinchin Phase One ESA Report.

The conclusions of this Update Phase One ESA represent the best judgment of the assessor and QP based on the conditions of the Phase One Property observed since completion of the 2018 Pinchin Phase One ESA Report and the 2020 Pinchin Update Phase One ESA Report. The combined 2018 Pinchin Phase One ESA Report, 2020 Pinchin Update Phase One ESA Report and the current Update Phase One ESA constitute the Phase One ESA reporting requirements necessary to support the filing of an RSC in accordance with O. Reg. 153/04.

Based on the findings of this Update Phase One ESA, nothing was identified that is likely to result in potential subsurface impacts at the Site. As such, no subsurface investigation work is recommended at this time.

The Update Phase One ESA of the property described as Parts of Lots 21 and 22, Concession 5 in Pickering, Ontario has been conducted in accordance with O. Reg. 153/04, under the supervision of a QP.



#### **4.1 Limitations**

This Update Phase One ESA was performed in order to identify potential issues of environmental concern associated with the Phase One Property described as Parts of Lots 21 and 22, Concession 5 in Pickering, Ontario (Phase One Property) since the time of the initial Site reconnaissances on November 17, 2017 and September 4, 2019. This Update Phase One ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific client requests, as applicable to this Phase One Property.

This report was prepared for the exclusive use of Seaton TFFM Inc. c/o Shad (Client), subject to the conditions and limitations contained within the duly authorized proposal. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of the third parties. If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from Client. Pinchin disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed.

Pinchin will not be responsible for any consequential or indirect damages. Pinchin will only be held liable for damages resulting from negligence of Pinchin. Pinchin will not be liable for any losses or damage if Client has failed, within a period of two years following the date upon which the claim is discovered within the meaning of the Limitations Act, 2002 (Ontario), to commence legal proceedings against Pinchin to recover such losses or damage.

The information provided in this report is based upon analysis of available documents, records and drawings, and personal interviews. In evaluating the Phase One Property, Pinchin has relied in good faith on information provided by other individuals noted in this report. Pinchin has assumed that the information provided is factual and accurate. In addition, the findings in this report are based, to a large degree, upon information provided by the current owner/occupant. Pinchin accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or contained in reports that were reviewed.

Pinchin makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this report, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to interpretation and these interpretations may change over time.

We trust that the information provided in this report meets your current requirements. If you have any questions or concerns, please do not hesitate to contact the undersigned.



**Pinchin Ltd.**

Prepared by:

Francesco Gagliardi, C.E.T., LET, QP<sub>ESA</sub>  
Operations Manager, Practice Specialist – RSC

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[fgagliardi@pinchin.com](mailto:fgagliardi@pinchin.com)

Reviewed by:

Frank DiMaria, B.Sc.H., P.Geo., QP<sub>ESA</sub>  
Senior Project Manager, Regional Practice  
Leader, GTA

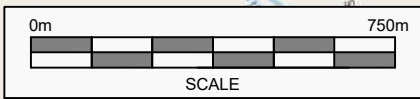
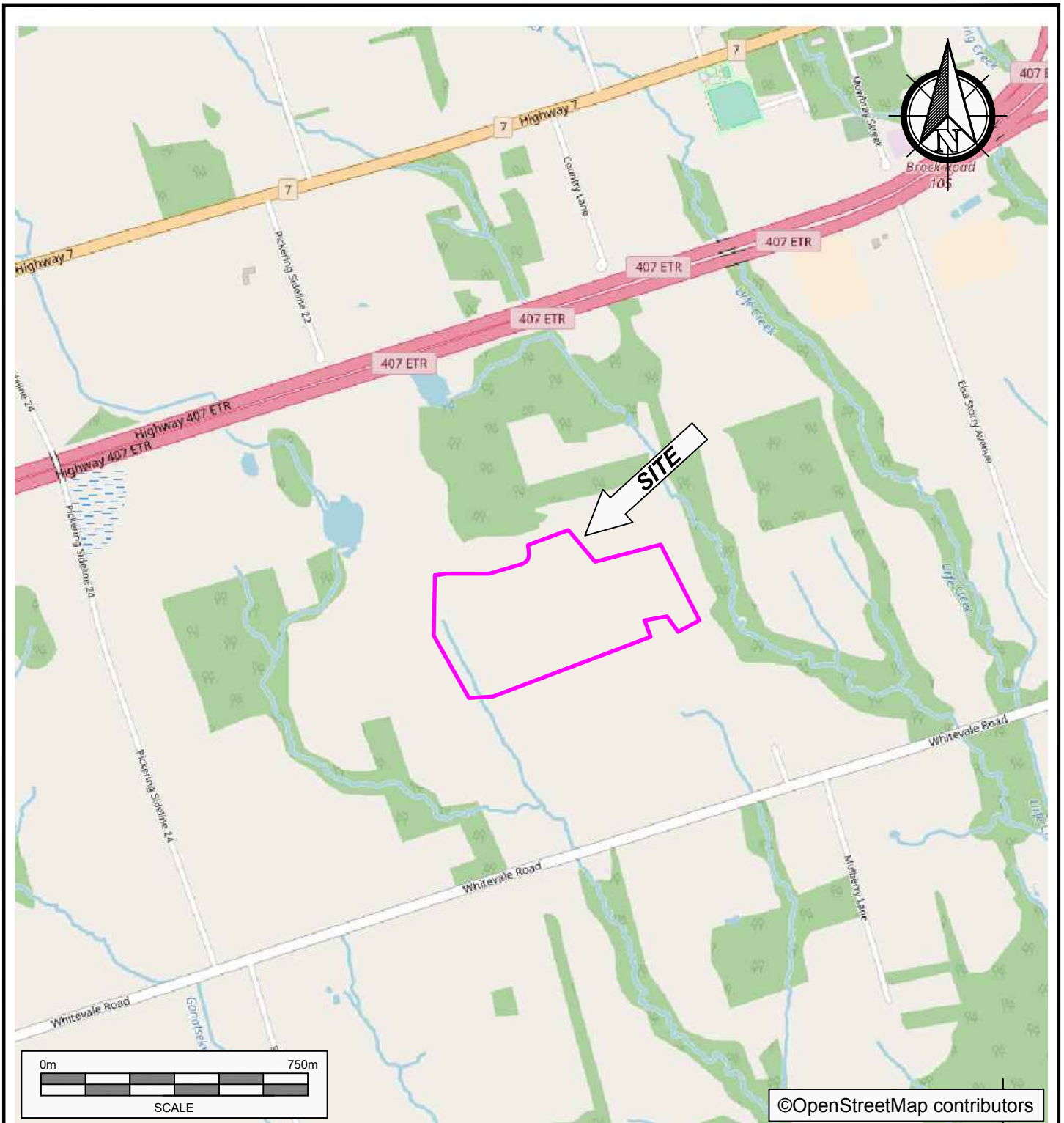
416.565.3324

[fdimaria@pinchin.com](mailto:fdimaria@pinchin.com)

Attachments: Appendix I – Figures  
Appendix II – Photographs

213894.001 Update Phase One ESA Seaton Parcel I Pickering ON May 27 2022.docx

**APPENDIX I**  
**Figures**

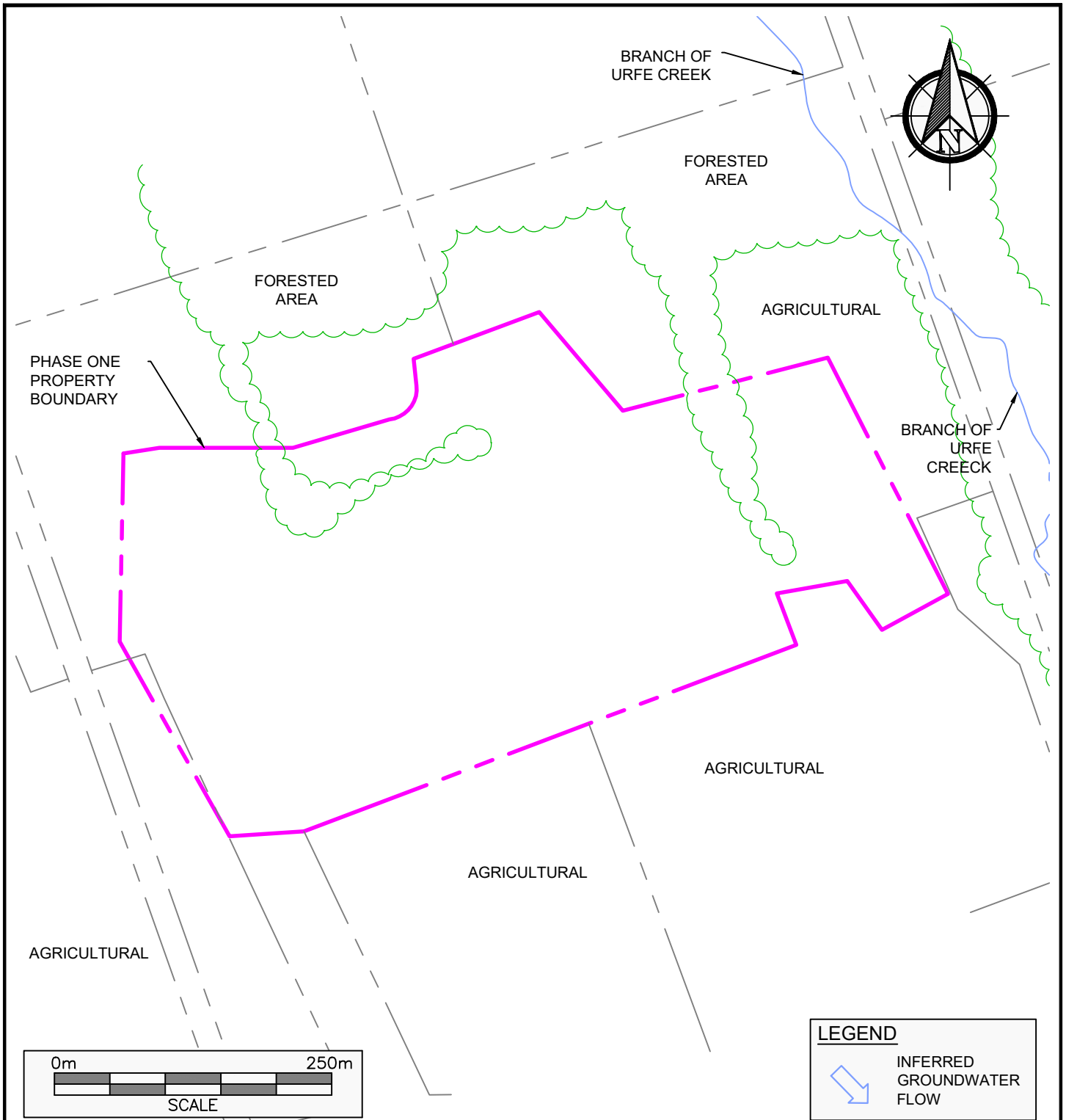


©OpenStreetMap contributors



PROJECT NAME			
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT UPDATE			
CLIENT NAME			
SEATON TFPM INC.			
PROJECT LOCATION			
PART OF LOTS 21 AND 22, CONCESSION 5, PICKERING, ONTARIO			
FIGURE NAME			FIGURE NO.
KEY MAP			
SCALE	PROJECT NO.	DATE	1
AS SHOWN	213894.001	MAY 2022	





PROJECT NAME			
PHASE TWO ENVIRONMENTAL SITE ASSESSMENT UPDATE			
CLIENT NAME			
SEATON TFPM INC.			
PROJECT LOCATION			
PART OF LOTS 21 AND 22, CONCESSION 5, PICKERING, ONTARIO			
FIGURE NAME			FIGURE NO.
PHASE ONE PROPERTY			2
SCALE	PROJECT NO.	DATE	
AS SHOWN	213894.001	MAY 2022	

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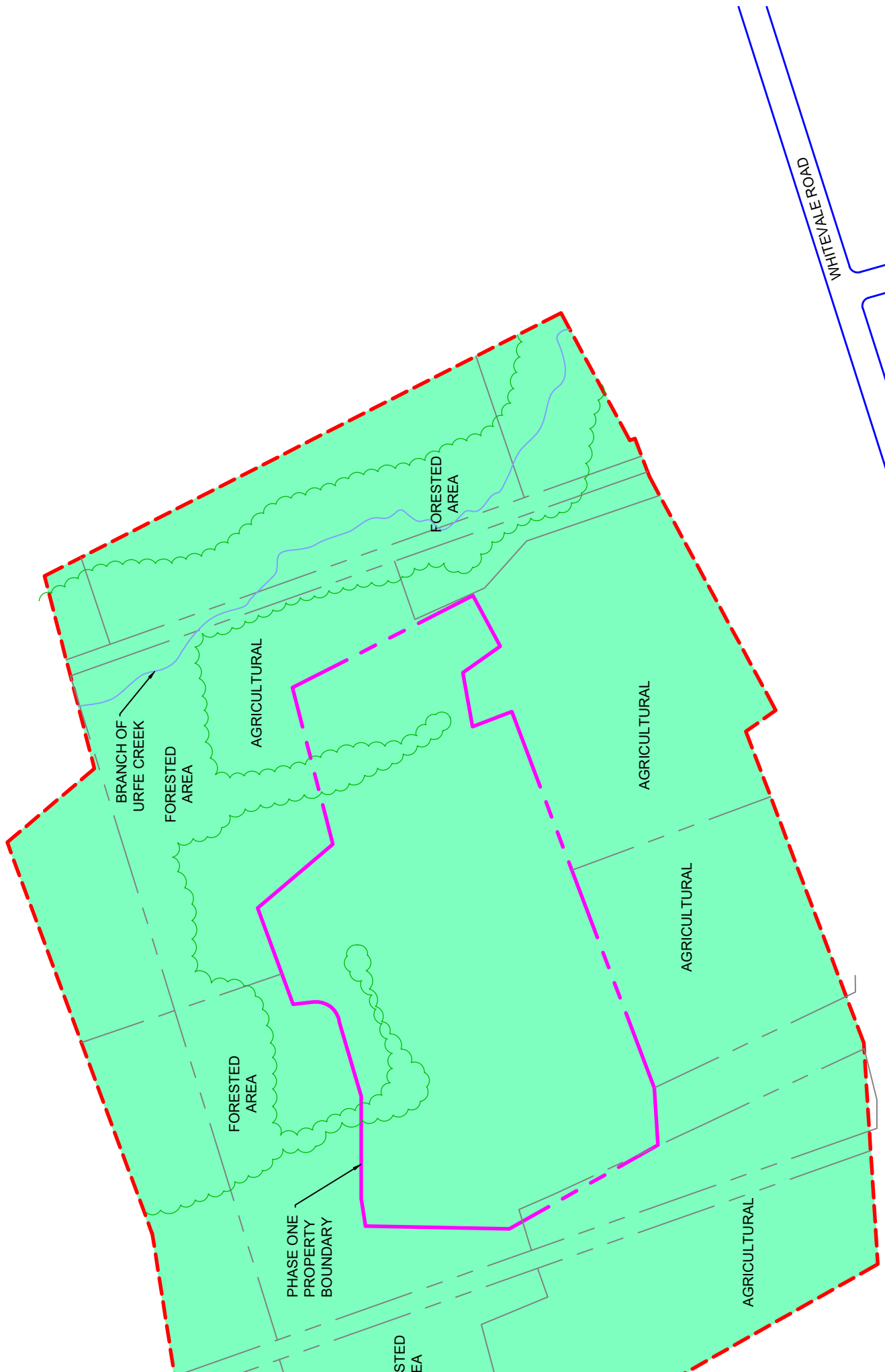
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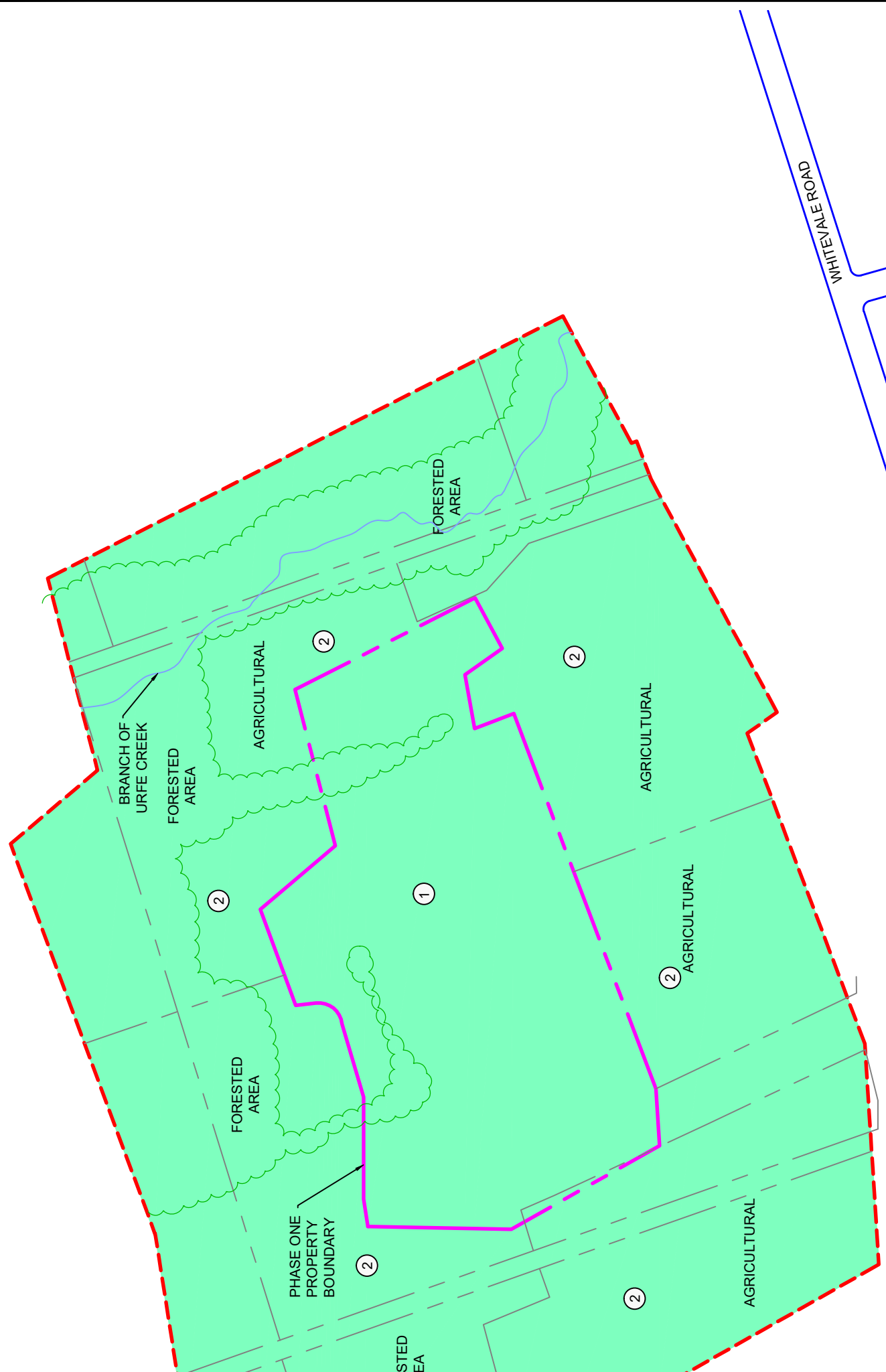
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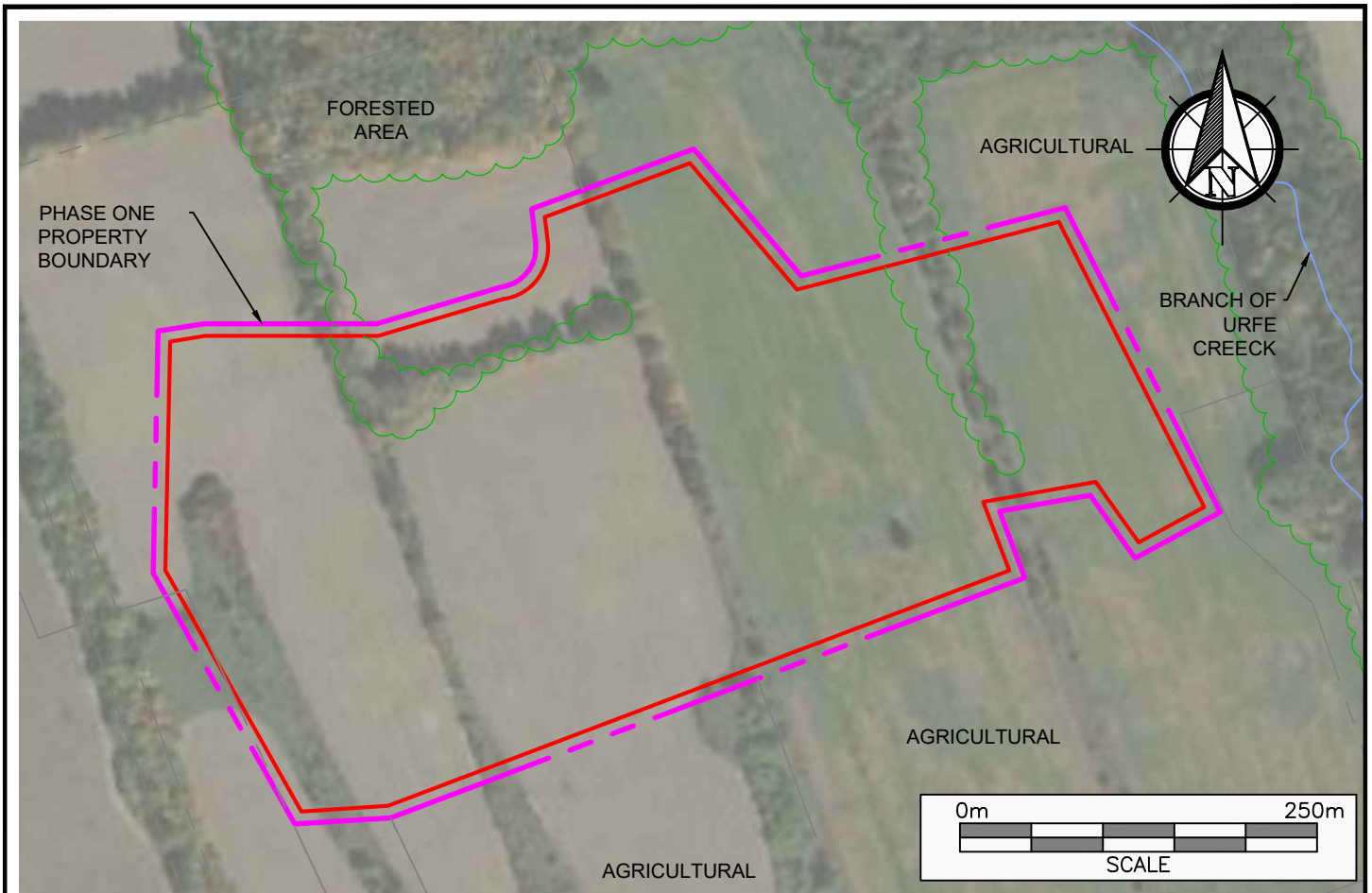
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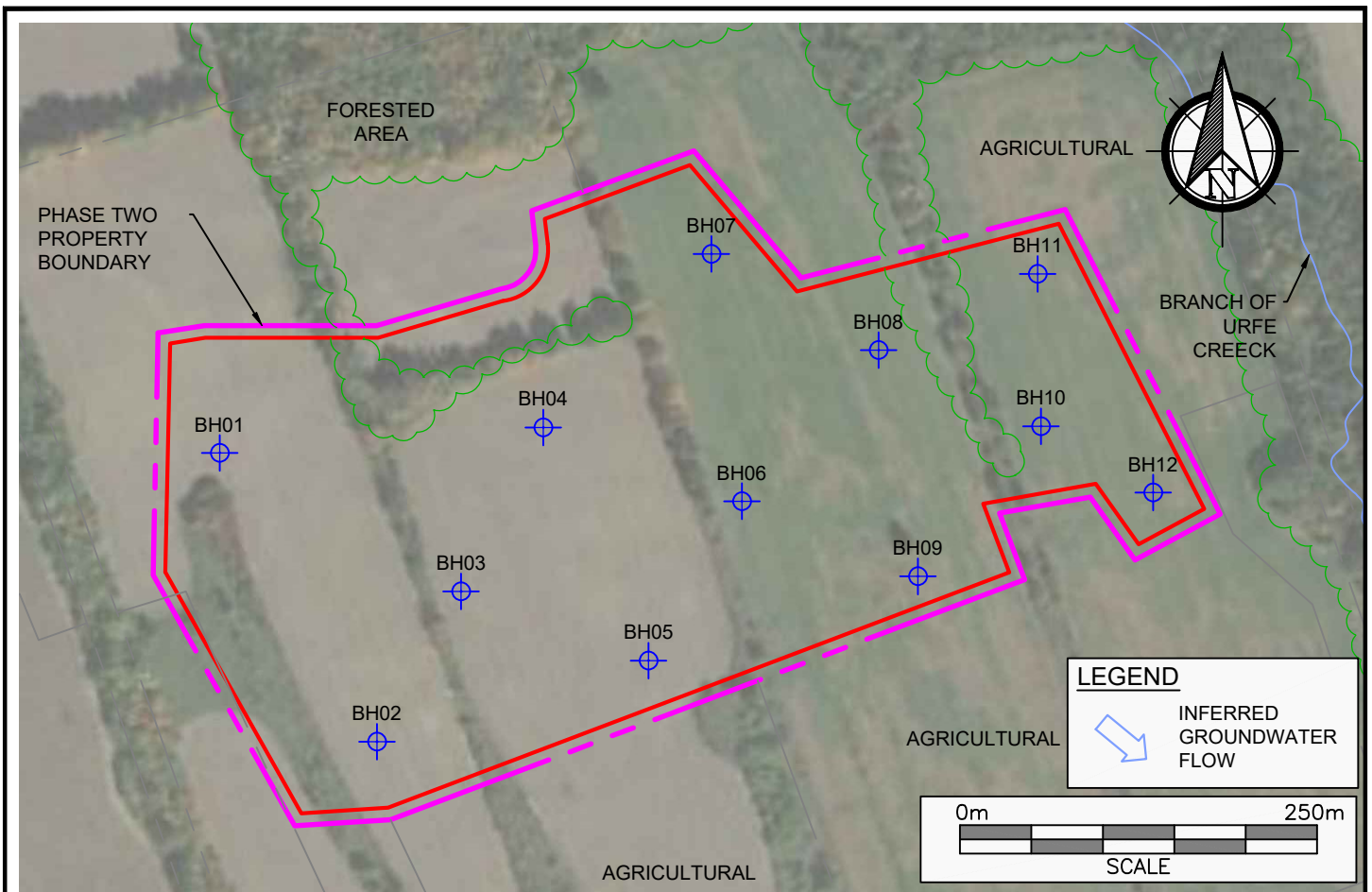
Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC #1 (Historical and Current Agricultural Operations)	Entirety of Phase One Property	Item 40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site	OC Pesticides	Soil

LEGEND	
APEC	AREA OF POTENTIAL ENVIRONMENTAL CONCERN
	APEC#1

LEGEND	
	INFERRED GROUNDWATER FLOW



PROJECT NAME <b>PHASE ONE ENVIRONMENTAL SITE ASSESSMENT UPDATE</b>			
CLIENT NAME <b>SEATON TFPM INC.</b>			
PROJECT LOCATION <b>PART OF LOTS 21 AND 22, CONCESSION 5, PICKERING, ONTARIO</b>			
FIGURE NAME <b>AREAS OF POTENTIAL ENVIRONMENTAL CONCERN</b>			FIGURE NO. <b>5</b>
SCALE <b>AS SHOWN</b>	PROJECT NO. <b>213894.001</b>	DATE <b>MAY 2022</b>	



Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (On-Site or Off-Site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, Soil and/or Sediment)
APEC #1 (Historical and Current Agricultural Operations)	Entirety of Phase One Property	Item 40 – Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications	On-Site	OC Pesticides	Soil

LEGEND	
APEC	AREA OF POTENTIAL ENVIRONMENTAL CONCERN
	APEC#1
	PINCHIN BOREHOLE LOCATION 2018

	PROJECT NAME			PHASE ONE ENVIRONMENTAL SITE ASSESSMENT UPDATE
	CLIENT NAME			SEATON TFPM INC.
	PROJECT LOCATION			PART OF LOTS 21 AND 22, CONCESSION 5, PICKERING, ONTARIO
	FIGURE NAME			BOREHOLE LOCATION PLAN
	SCALE			AS SHOWN
PROJECT NO.		DATE		FIGURE NO.  6
213894.001		MAY 2022		

**APPENDIX II**  
**Photographs**



Photo 1 – View of the Phase One Property looking south.



Photo 2 – View of the Phase One Property looking north.



Photo 3 – View of the Phase One Property looking northwest from southeast corner.



Photo 4 – Subdivision development located adjacent to the south of the Phase One Property.