



ORIGINAL REPORT

Stage 1 and 2 Archaeological Assessment

524 Lacolle Way
Part Lots 30 and 31, Concession 1 from the
Ottawa River, Geographic Township of
Cumberland, formerly in Russel County,
Formerly in the Municipality of Cumberland, now
in the City of Ottawa, Ontario

Prepared For

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1.0 Executive Summary

Matrix Heritage, on behalf of Patrice Houle Holding, undertook a Stage 1 and 2 archaeological assessment of 524 Lacolle Way, Part Lots 30 and 31, Concession 1 from the Ottawa River, Geographic Township of Cumberland, formerly in Russell County, formerly in the Municipality of Cumberland, now in the City of Ottawa, Ontario (Map 1). The assessment of the property was undertaken in accordance with the Planning Act as the property is being developed for commercial use (Map 2). The assessment is in accordance with the Ministry of Citizenship and Multiculturalism's (MCM) *Standards and Guidelines for Consultant Archaeologists* (2011).

The City of Ottawa has an archaeological management plan which was developed in 1999, *The Archaeological Resource Potential Mapping Study of the Regional Municipality of Ottawa-Carleton*. The management plan covers the Township of Cumberland (Archaeological Services Inc. and Geomatics International Inc 1999). According to the management plan, the study area falls within an area of archaeological potential (Map 3).

The Stage 1 assessment included a review of the Ontario MCM archaeological site database, a review of relevant environmental, historical, and archaeological literature, as well as primary historical research including: historical maps, land registry, and census records.

The Stage 1 background assessment of the study area determined that given the distance to water sources, there is pre-contact Indigenous potential. Due to the proximity of historical roads, the property demonstrates moderate potential for historical period archaeological sites.

The Stage 2 archaeological assessment involved subsurface testing consisting of hand excavated test pits at 5 m intervals in areas of archaeological potential as the site could not be ploughed (Section 2.1.2, MCM 2011). The fieldwork was undertaken on September 3, 2024. Weather conditions were clear and sunny with temperatures reaching a high of 24° Celsius. Permission to access the property was provided by the proponent without limitations.

The Stage 2 archaeological assessment resulted in no indication of archaeological remains with cultural heritage value or interest within the proposed development area.

Based on the results of this investigation it is recommended that:

1. No further archaeological study is required for the subject property as delineated in Map 1.

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3.0 Project Personnel

Licensee	Nadine Kopp, MA (P378)
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Report Review	Nadine Kopp, MA (P378)

4.0 Project Context

4.1 Development Context

Matrix Heritage, on behalf of Patrice Houle Holding, undertook a Stage 1 and 2 archaeological assessment of 524 Lacolle Way, Part Lots 30 and 31, Concession 1 from the Ottawa River, Geographic Township of Cumberland, formerly in Russell County, formerly in the Municipality of Cumberland, now in the City of Ottawa, Ontario (Map 1). The assessment of the property was undertaken in accordance with the Planning Act as the property is being developed for commercial use (Map 2). The assessment is in accordance with the Ministry of Citizenship and Multiculturalism's (MCM) *Standards and Guidelines for Consultant Archaeologists* (2011).

The City of Ottawa has an archaeological management plan which was developed in 1999, *The Archaeological Resource Potential Mapping Study of the Regional Municipality of Ottawa-Carleton*. The management plan covers the Township of Cumberland (Archaeological Services Inc. and Geomatics International Inc 1999). According to the management plan, the study area falls within an area of archaeological potential (Map 3).

At the time of the archaeological assessment, the study area was under private ownership. Permission to access the study property was granted by the owner prior to the commencement of any field work; no limits were placed on this access.

4.2 Historical Context

4.2.1 Historic Documentation

Notable histories of the Algonquins include: *Algonquin Traditional Culture* (Whiteduck 1995) and *Executive Summary: Algonquins of Golden Lake Claim* (Holmes and Associates 1993a).

There are a few published resources on the history of Cumberland Township. The township is briefly referred to in *Ottawa Country* (Bond 1968), but most notably in *Historical Research for Cumberland Township* (Heinz 1936), and *Memories of Cumberland Township* (Cumberland Township Historical Society 2006). Another useful resource is the *Prescott and Russell Supplement to the Illustrated Atlas of the Dominion of Canada* (1881).

4.2.1 Territory of the Algonquins

Archaeological information suggests that ancestral Anishinabe Algonquin people lived in the Ottawa Valley for at least 8,000 years before the Europeans arrived in North America. This traditional territory is generally considered to encompass the Ottawa Valley on both sides of the river, in Ontario and Quebec, from the Rideau Lakes to the headwaters of the Ottawa River. The Ottawa Valley is dominated by the Canadian Shield which is characterized by low rolling land of Boreal Forest, rock outcrops and muskeg with innumerable lakes, ponds, and rivers. This environment dictated much of the traditional culture and lifestyle of the Anishinabe Algonquin peoples. At the time of European contact, the Anishinabe Algonquin territory was bounded on the east by the Innu people, to the west by the Nipissing and Ojibwa, to the north by the Cree, and to the south by the lands of the Iroquois.

Naming

The Anishinabe Algonquins' name for themselves is Anishinabeg, which means "human being." The word Algonquin supposedly came from the Malecite word meaning "they are our relatives",

which French explorer Samuel de Champlain recorded as “Algooumequin” in 1603. The name stuck and the term “Algonquin” refers to those groups that have their traditional lands around the Ottawa Valley. Some confusion can arise regarding the term “Algonquian” which refers to the broader language family, of which the dialect of the Algonquin is one. The Algonquian linguistic group stretches across a significant part of North America and comprises scores of Nations related by language and customs (Algonquins of Ontario ND).

Early Human Occupation

The earliest human occupation of the Americas has been documented to predate 14,000 years ago, however at this time much of eastern Canada was covered by thick and expansive glaciers. The Laurentide Ice Sheet of the Wisconsinian glacier blanketed the Ottawa area until about 11,000 B.P. when then the glacial terminus receded north of the Ottawa Valley, and water from the Atlantic Ocean flooded the region to create the Champlain Sea. This sea encompassed the lowlands of Quebec on the north shore of the Ottawa River and most of Ontario east of Petawawa, including the Ottawa Valley and Rideau Lakes. By 10,000 B.P. the Champlain Sea was receding and within 1,000 years has drained from Eastern Ontario (Watson 1990:9).

The northern regions of eastern Canada were still under sheets of glacial ice as small groups of hunters first moved into the southern areas following the receding ice and water. By circa 11,000 B.P., when the Ottawa area was emerging from glaciations and being flooded by the Champlain Sea, northeastern North America was home to what are commonly referred to as the Paleo people. For Ontario the Paleo period is divided into the Early Paleo period (11,000 - 10,400 B.P.) and the Late Paleo period (10,500-9,400 B.P.), based on changes in tool technology (Ellis and Deller 1990). The Paleo people, who had moved into hospitable areas of southwest Ontario, likely consisted of small groups of exogamous hunter-gatherers relying on a variety of plants and animals who ranged over large territories (Jamieson 1999). The few possible Paleo period artifacts found, as surface finds or poorly documented finds, in the broader Eastern Ontario region are from the Rideau Lakes area (Watson 1990) and Thompson's Island near Cornwall (Ritchie 1969:18). In comparison, little evidence exists for Paleo occupations in the immediate Ottawa Valley, as can be expected given the environmental changes the region underwent, and the recent exposure of the area from glaciations and sea. As Watson suggests (Watson 1999:38), it is possible Paleo period people followed the changing shoreline of the Champlain Sea, moving into the Ottawa Valley in the late Paleo Period, although archaeological evidence is absent.

Archaic Period

As the climate continued to warm, the glacial ice sheet receded further northwards allowing areas of the Ottawa Valley to be travelled and occupied in what is known as the Archaic Period (9,500 – 2,900 B.P.). In the Boreal forests of the Canadian Shield this cultural period is referred to as the “Shield Archaic”. The Archaic period is generally characterized by increasing populations, developments in lithic technology (e.g., ground stone tools), and emerging trade networks.

Archaic populations remained hunter-gatherers with an increasing emphasis on fishing. People began to organise themselves into small family groups operating in a seasonal migration, congregating annually at resource-rich locations for social, religious, political, and economic activities. Sites from this period in the Ottawa Valley region include Morrison's Island-2 (BkGg-10), Morrison's Island-6 (BkGg-12) and Allumette Island-1 (BkGg-11) near Pembroke, the Lamoureux site (BiFs-2) in the floodplain of the South Nation River (Clermont 1999), and the BiFw-20 and BiFw-91 sites on the Ottawa River near the mouth of the Gatineau River (Laliberté

2000; Pilon 2006, 2008). Often sites from this time are located on islands, waterways, and at narrows on lakes and rivers where caribou and deer would cross, suggesting a common widespread use of the birchbark canoe that was so prominent in later history (McMillan 1995). It is suggested that the Algonquin peoples in the Ottawa Valley area developed out of this Shield Archaic culture.

It was during this period that a significant cultural landscape emerged between the Chaudière Falls and the mouth of the Gatineau River. Located on the floodplain of the Gatineau River delta, at the confluence of the Rideau, Gatineau, and Ottawa Rivers, Leamy Lake Park appears to have been sporadically occupied by groups during the Archaic period before becoming a significant summer meeting place during the Middle Woodland (100 BCE to 500 CE). This is reflected in the Algonquin name for Leamy Lake Park, "Kabeshinàn" or "summer camp" (Pilon and Boswell 2015). The Leamy Lake archaeological complex is the largest collection of archaeological sites known in the Ottawa River drainage basin and encompasses a cultural landscape that was used continuously for more than 6,000 years by Indigenous groups.

Woodland / Pre-European Contact Period

Generally, the introduction of the use of ceramics marks the transition from the Archaic Period into the Woodland period. Populations continued to participate in extensive trade networks that extended across much of North America. Social structure appears to have become increasingly complex with some status differentiation recognized in burials. Towards the end of this period domesticated plants were gradually introduced to the Ottawa Valley region. This coincided with other changes including the development of semi-permanent villages. The Woodland period is commonly divided into the Early Woodland (1000 – 300 B.C.), Middle Woodland (400 B.C. to A.D. 1000), and the Late Woodland (A.D. 900 – European Contact) periods.

The Early Woodland is typically noted via lithic point styles (i.e., Meadowood bifaces) and pottery types (i.e., Vinette I). Early Woodland sites in the Ottawa Valley region include Deep River (CaGi-1) (Mitchell 1963), Constance Bay I (BiGa-2) (Watson 1972), and Wyght (BfGa-11) (Watson 1980). The Middle Woodland period is identified primarily via changes in pottery style (e.g., the addition of decoration). Some of the best documented Middle Woodland Period sites from the region are from Leamy Lake Park (BiFw-6, BiFw-16) (Laliberté 1999).

The identification of pottery traditions or complexes (Laurel, Point Peninsula, Saugeen) within the Northeast Middle Woodland, the identifiers for the temporal and social organizational changes signifying the Late Woodland Period, subsequent phases within in the Late Woodland, and the overall 'simple' culture history model assumed for Ontario at this time (e.g. Ritchie 1969; Wright 1966, 2004) are much debated. Newer evidence derived from various sources including anthropological and scientific analysis of ceramic manufacturing, cooking residue analysis, and mtDNA studies has highlighted flaws in the assumptions underpinning the cultural historical model. These analyses examine the origin and progression of traits (e.g., the convergence of corn-bean-squash agriculture) that have been used as qualifiers for boxed complexes within the cultural history model. When examining the details, the patterns used to define the cultural history-based complexes are found to be intrinsically flawed. For example, the confluence of defining "Iroquoian" traits such as palisaded villages, three sisters' agriculture, etc., are shown to only converge into the identifiable "Iroquoian suite" of traits possibly as late as A.D. 1300 (Engelbrecht 1999; Hart and Brumbach 2003, 2009; Hart and Englebrecht 2011; Martin 2004, 2008).

Cultural and ethnic groups and the potential material culture identifiers thereof, are constantly changing and evolving in both temporally and geographically. Newer models, for example those

employing an ethnogenesis perspective allow, for the finding and discussions of ethnically diverse groups bearing “multilingualism [and] intermarriage across supposedly profound ethnic boundaries, and enormous cultural variation” (Moore 2004:936), rather than requiring monolithic homogenous groups. An ethnogenesis perspective allows for the different emergent lines of evidence that now demonstrate the flaws of the culture history model (Hart and Brumbach 2009).

Thus, the divides within the Middle Woodland and the shift into the period held as the Late Woodland are not well defined. There are general trends for increasingly sedentary populations, the gradual introduction of agriculture, and changing pottery and lithic styles. However, nearing the time of contact, Ontario was populated with somewhat distinct regional populations that broadly shared many traits. In the southwest, in good cropland areas, groups were practicing corn-bean-squash agriculture in semi-permanent, often palisaded villages which are commonly assigned to Iroquoian peoples (Wright 2004:1297–1304). Algonquian-speaking Anishinaabeg peoples inhabited the same or neighbouring areas, but their presence in the archaeological record is less visible due to their generally more mobile settlement-subsistence pattern (Kapyrka and Migizi 2016:4–5).

The Woodland Period Algonquin peoples of the Ottawa Valley area had a social and economic rhythm of life following an annual cyclical pattern of seasonal movements. Subsistence was based on small independent extended family bands operating an annual round of hunting, fishing, and plant collecting. Families returned from their winter hunting camps to rejoin with other groups at major fishing sites for the summer. The movements of the people were connected with the rhythm of the natural world around them allowing for efficient and generally sustainable subsistence. Their annual congregations facilitated essential social, political, and cultural exchange.

The Woodland Period Algonquin peoples in the Ottawa Valley also established significant trade networks and a dominance of the Ottawa River (in Algonquian the “Kitchissippi”) and its tributaries. The trade networks following the Ottawa River connected the Algonquins to an interior eastern waterway via Lake Timiskaming and the Rivière des Outaouais to the St. Maurice and Saguenay as well as the upper Great Lakes and interior via Lake Nipissing and Georgian Bay. From there their Huron allies would distribute goods to the south and west. The Iroquois and their allies along the St. Lawrence River and the lower Great Lakes dominated the trade routes on those waterways to the south thus leading to a rivalry that would escalate with European influence (Moreau et al. 2016).

This brief synthesis does not do full justice to the incredibly complex landscape in pre-contact Ontario. Intensive study of archaeological, ethnohistoric, and oral historical evidence has produced a detailed picture of the dynamic history of the region and the shifting relationships between disparate linguistic and cultural groups leading up to contact (Ellis and Ferris 1990; Sioui 1999; Trigger 1976; Warrick 2008; Wright 2004).

European Contact

The addition of European trade goods to artifacts of native manufacture in archaeological material culture assemblages’ ushers in a new period of history. Archaeological data shows that European goods penetrated the Canadian Shield as early as 1590 and the trade was well entrenched by 1600 through the trade routes established by the Algonquin peoples along the Ottawa River (Moreau et al. 2016) and their neighbouring allies the Michi Saagiig and the Chippewa nations.

The first recorded meeting between Europeans and Algonquins occurred at the first permanent French settlement on the St. Lawrence at Tadoussac in the summer of 1603. Samuel de Champlain came upon a party of Algonquins, the Kitchissipirini under Chief Tessouat, who were celebrating a recent victory over the Iroquois with their allies the Montagnais and Malecite (Hessel 1993). Champlain made note of the “Algoumequins” and his encounter with them, yet the initial contact between Champlain and the Algonquin people within their own territory in the Ottawa Valley was during his travels of exploration in 1613.

By the time of Champlain’s 1613 journey, the Algonquin people along the Ottawa River Valley were important middlemen in the rapidly expanding fur-trade industry. Champlain knew this and wanted to form and strengthen alliances with the Algonquins to further grow the fur-trade, and to secure guidance and protection for future explorations inland and north towards a potential northwest passage. Further, involving the Algonquins deeper in the fur trade promised more furs filling French ships and more Indigenous dependence on European goods. For their part, the French offered the promise of safety and support against the Iroquois to the south.

Early historical accounts note many different Algonquian speaking groups in the region at the time. Of note for the lower Ottawa Valley area were the Kichesipirini (focused around Morrison Island); Matouweskarini (upstream from Ottawa, along the Madawaska River); Weskarini (around the Petite Nation, Lièvre, and Rouge rivers west of Montreal), Kinouchepirini (in the Bonnechere River drainage); and the Onontcharonon, (along the South Nation River) (Holmes and Associates 1993a; Morrison 2005; Pilon 2005). However, little archaeological work has been undertaken regarding Algonquins at the time of contact with Europeans (Pilon 2005).

Fur Trade, Early Contact with the French

Champlain understood that the Algonquins would be vital to his eventual success in making his way inland, exploring, and expanding the fur trade. This was partially due to their language being the key to communication with many other groups, as well as their dominance over trade routes surrounding the Ottawa River and the connection with the Huron in the west.

When the French arrived, there was already a vast trade network in place linking the Huron and the Algonquins, the Michi Saagiig and Chippewa, extending from the Saguenay to Huronia. This route existed at least from the very early beginnings of agricultural societies in Ontario around A.D. 1000 (Moreau et al. 2016). This trade increased rapidly after the arrival of the Europeans with the introduction of European goods and the demand for furs. The Huron held a highly strategic commercial location controlling the trade to the south and the west, and the Algonquin, Michi Saagiig, and Chippewa were their critical connection to goods from the east, including European products.

By the mid-17th century, the demands of the fur trade had caused major impacts to the traditional way of life including a change in tools, weapons, and a shift in diet to more European as hunting was more for furs and not for food. This dependence on European food, ammunition, and protection tied people to European settlements (McMillan 1995). The summer gathering sites shifted from prominent fishing areas to trading posts. This further spurred social changes in community structure and traditional land distribution and use.

The well-situated Algonquin, particularly the Kitchesipirini who controlled passage around Allumette Island, were originally reluctant to cede any of their dominance in fear of being cut out of their lucrative middleman role in the trade economy. However, an alliance with the French meant protection and assistance against the Iroquois. The French, as well as other Europeans like the Dutch and English, were able to align their own political and economic rivalries with those

of the native populations. The competitive greed and obsession with expanding the fur trade entrenched the rivalries that were already in place, and these were intensified by European weapons and economic ambition.

Haudenosaunee (Iroquois) Wars

Little information exists about inter-tribal warfare prior to European contact, however, there was existing animosity between the Haudenosaunee and the Algonquins when Champlain first arrived in the Ottawa Valley. Like his fellow Europeans, Champlain was able to use this existing rivalry to make a case for an alliance, thus gaining crucial access to the established trade networks and economic power of the Algonquin. Prior to European contact, the hostilities had been mainly skirmishes and raids, but everything changed as European reinforcement provided deadlier weapons and higher economic stakes with the introduction of the fur trade.

Along with the French, the Algonquin were allied against the Haudenosaunee with the Huron, Nippissing, Michi Saagiig, and Chippewa. French records suggest that at the end of the sixteenth century the Algonquins were the dominant force and were proud to have weakened and diminished the Iroquois. The first Algonquin campaign the French took part in was a 1609 attack against the Mohawk. The use of firearms in this fight marked the beginning of the escalation of brutality between these old enemies. The Haudenosaunee corn stalk shields could stop arrows but not bullets or French swords (Hessel 1993).

Eventually the tide changed and as the Haudenosaunee exhausted the beaver population in their own territory they became the aggressors, pushing into the lands of the Algonquin, Michi Saagiig, Chippewa, and Huron, with the added strength of Dutch weaponry. Through the 1630s and 40s constant and increased raiding into Algonquin, Michi Saagiig, and Chippewa territory by the Haudenosaunee nations had forced many multi-generational residents to leave their lands in seek protection from their French allies in places like Trois Rivières and Sillery while others fled to the north. By 1650 Huronia, the home of the long-time allies of the Algonquin and traditional and treaty territory of the Chippewa, had been destroyed by the Haudenosaunee. The Algonquins of the Ottawa Valley had largely been scattered or displaced, reduced through war and disease to small family groups under the protection of the French missions only fifty years after the first Europeans had travelled the Ottawa River (Morrison 2005:26).

There is some evidence that Algonquins did not completely abandon the Ottawa Valley but withdrew from the Ottawa River to the headwaters of its tributaries and remained in those interior locations until the end of the century. Taking advantage of the Algonquin absence, the Ottawa people, originally from the area of Manitoulin Island, used the river for trade during this time and their name became historically applied to the river.

Aftermath of War

As the Haudenosaunee push continued and the Algonquin sought refuge amongst their French allies, other factors came into play that significantly contributed to their displacement and near destruction. The introduction of European diseases, the devastating influence of alcohol, and the increasing pressure to convert to Christianity massively contributed to the weakening of the Algonquin people and their traditional culture.

The Algonquins thought of themselves as part of the natural world with which they must live in harmony. The traditional stories of Algonquin folklore contained lessons and guides to behaviour. The French missionaries regarded them as “heathens” and dismissed their religion as superstition (Day 2005). The missionaries believed it was their duty to convert these people

to Christianity to save them from evil. Algonquin chief Tessouat had seen his Huron neighbours become ill and die after interactions with the European missionaries and had thus originally warned his people about abandoning their old beliefs and the dangers of conversion (Hessel 1993). Eventually the French imposed laws allowing only those converted to Christianity to remain within the missions and under French protection. This created divisions amongst the Algonquin themselves which weakened the social structure as some settled into a new religion and new territory.

Starting in the 1630s and continuing into the 1700s, European disease spread among the Algonquin groups along the Ottawa River, bringing widespread death (Trigger 1986:230). As disease spread through the French mission settlements the priests remained certain that the suffering was punishment for resisting Christianity. An additional threat lurking amongst the French settlements was alcohol which precipitated many issues.

The Long Way Back

After the Haudenosaunee (Iroquois) Wars, the remaining Algonquin people were generally settled around various French trading posts and missions from the north end of the Ottawa Valley to Montreal. A large settlement at Oka was the first mission established on Algonquin lands in 1720. This settlement included peoples from many groups who had been collected and moved around from various locations. It became a type of base camp; occupied during the summer while the winters were spent at their traditional hunting territories in the upper Ottawa Valley. This arrangement served the French well, since the Algonquin converts at Oka maintained close ties with the northern bands and could call upon the inland warriors to join them in case of war with the British or Iroquois League.

As the British gained control of Canada from the French in 1758-1760 they included in the Articles of Capitulation a guarantee that the Indian allies of the French would be maintained in the lands they inhabited. Many of the Algonquin and other native groups that had been living on French mission settlements were shuffled around to new reserves while others began to migrate back to their traditional territories. Those who had remained on the land and continued to be active in the fur trade, now did so with the English through companies in Montreal like the North West Company, and in the north with the Hudson Bay Company.

Some Algonquin people began to return to their traditional territory to join those groups who had remained in the lower Ottawa Valley and continued their traditional lifeway through to the influx of European settlement in the late 1700s and early 1800s. This included bands noted to be living along the Gatineau River and other rivers flowing into the Ottawa. These traditional bands maintained a seasonal round focused on harvesting activities into the 1800s when development pressures and assimilation policies implemented by the colonial government saw Indigenous lands taken up, albeit under increasing protest and without consideration for Indigenous claims, for settlement and industry. Algonquin lands began to be encroached upon by white settlers involved in the booming lucrative logging industry or having been granted the land as Loyalist soldiers or through other settler groups.

As some Algonquins had been redistributed to lands in Quebec, their traditional territory within the Ottawa Valley was included in multiple land transfer deals, agreements, and sales with the British Crown beginning in the 1780s and continuing till the 1840s. The Algonquin were not included in these transactions and numerous petitions and inquiries on behalf of their interests were often overruled or ignored (Holmes and Associates 1993a, 1993b; Sarazin). The Constitution Act of 1791 divided Quebec into the Provinces of Upper and Lower Canada with

Ottawa River as the division line, thus the lands claimed by the Algonquins fell under two separate administrations creating more confusion, exclusion, and oversight.

Two “protectorate” communities were eventually established in the nineteenth century for the Algonquin people at Golden Lake in Ontario and River Desert (Maniwaki) in Quebec. One of the last accounts of the Algonquins living traditionally was from 1865. The White Duck family was living just west of Arnprior when they were forced to leave their wigwams as surveyors arrived to tell them the railway was being expanded through their land (Hessel 1993).

Algonquin people continue to live in the Ottawa Valley and there are still many speakers of several Algonquian dialects. Outside of the officially recognized bands there are an unspecified number of people of Algonquin descent throughout the Ottawa Valley unaffiliated with any reserve. Today there are ten Algonquin communities that comprise the Algonquins of Ontario: The Algonquins of Pikwàkanagàn First Nation, Antoine, Kijicho Manito Madagouskarini, Bonnechere, Greater Golden Lake, Mattawa/North Bay, Ottawa, Shabot Obaadjiwan, Snimikobi, and Whitney and area.

Struggles to officially secure title to their traditional land, as well as fight for hunting and fishing rights have continued into modern times. The Algonquins of Ontario (AOO) and the Governments of both Canada and Ontario are working together to resolve this land claim through a negotiated settlement. The claim includes an area of 9 million acres of unceded territory within the watersheds of the Ottawa and Mattawa Rivers in Ontario including the city of Ottawa and most of Algonquin Park. The signing of the Agreement-in-Principle in 2016 by the AOO and the provincial and federal governments, signifying a mutual intention for a lasting partnership, was a key step towards a final agreement to clarify the rights and nurture new economic and development opportunities in the area.

4.2.2 Post-Contact Period

The first survey of 47,000 acres that would become Cumberland Township took place in 1791. A second survey in 1798 stated that counties should be made up of townships within eight judicial districts: Eastern, Johnston, Midland, Home, Niagara, London, Western and Newcastle. This was executed in 1802, when the area became part of the Eastern District which consisted of the counties of Glengarry, Dundas, Leeds, and Stormont (Cumberland Township Historical Society 2005).

In the summer of 1799, Cumberland Township was named to honour Prince Ernest Augustus I, one of the numerous children of George III, who became Duke of Cumberland on 24 April 1799. By October 1799, Cumberland Township was listed as existing partly in Stormont and Dundas Counties. On January 1, 1800, Cumberland Township was included with the townships of Clarence, Gloucester, Osgoode, Russell, and Cambridge in the County of Russell, which was now included in the Eastern District (Cumberland Township Historical Society 2005).

In Russell County, the first settlements occurred along the Ottawa River. The village of Cumberland was established on the south shore of the Ottawa River in 1801. Its strategic location at the confluence of the Lievre and Ottawa Rivers made it a popular early fur trading post. Settlement is not recorded in the interior of the township prior to 1820. By 1828, there were only twelve landowners in the township (Assessment Rolls for Cumberland Township 1834-1848).

By the mid-1800s the village of Cumberland was a major seasonal forwarding centre. A wharf allowed for mail carriers to transport communications, and the village had two telegraph offices.

Cumberland also had a small ship building industry (Cumberland Township Historical Society 2005). In 1851, the population of Cumberland township was 1,659 and by 1861 had almost doubled to 2,609 (Bond 1968:22). In 1851, the township consisted of one stone house, 54 frame houses, 46 log houses, and 115 shanties. By 1861, the township had 6 stone houses, 16 frame houses, 315 log houses, and zero shanties (Bond 1968:24).

4.2.3 Study Area Specific History

The study area is located on part Lots 30 and 31, Concession 1 Ottawa Front (OF) in the geographic township of Cumberland. The irregularly shaped study area covers a small portion along the western edge of Lot 30 and a small portion along the eastern edge of Lot 31.

Lot 30, Concession 1

The 1825 Coffin map shows that Lot 30 was divided into east and west halves. The east half, which does not encompass the study area, is listed as granted but does not specify to whom. The west half of Lot 30, on which part of the study area is located, is listed as having been granted to a Catherine Beek alias McLeod. Lot 31 is also in Beek's name (Coffin 1825) (Map 4). The 1862 Walling map lists an A. Wilson on the western half of Lot 30 and shows a structure along what is now St. Joseph Boulevard, outside the current study area (Walling 1862) (Map 4). However, the 1881 Belden map does not show any structures and no name is listed as the owner (Belden 1881) (Map 4).

The land registry for Concession 1 OF was preserved on microfilm but the quality of the microfilm has rendered the original transactions for Lot 30 almost entirely illegible. Catherine McLeod sold the land; the name of the buyer and the year are illegible. No other available information was found about Catherine Beek alias McLeod. The lot was sold to an Alex Wilson sometime in the 1850s (OLR). This is likely the A. Wilson whose name appears on the 1862 Walling map. There is, according to the 1861 census, an Alex Wilson, 33, living in Cumberland with his 26 year old wife Mary and three children; Sarah (4), John (2) and Anabella (1) (Ancestry.com 1861). Sutherland's Ottawa City Directory does show that Alexander Wilson was living on Lot 30, Concession 1 in 1868 (Sutherland 1868). In the 1871 census, his family had grown and added four more children, the youngest, Mary, being only 1 month old. He reportedly owned 322 acres of land, a house and two barns, six wagons, a boat and a fanning mill in addition to livestock (Ancestry.com 1871).

A William Ferrand is shown as the property owner of the east half Lot 30 on the 1862 map and the property has a small structure close to Old Montreal road, located just to the south of the study area (Walling 1862) (Map 4). The 1868 Sutherland's Ottawa City Directory lists a William and Jeremiah Ferrin, likely an alternative spelling to Ferrand, on Con.1 Lot 30 as well as Alexander Wilson (Sutherland 1868). In 1870, the Land Registry lists Gideon Taylor as the owner, having received the patent from the Crown that year (OLR).

Lot 31, Concession 1

According to the 1825 Coffin map, the entirety of Lot 31, Concession 1 was granted to Catherine Beek alias McLeod (Coffin 1825) (Map 4). The Land Registry supports this as she is listed as receiving the patent from the Crown (OLR). Unfortunately, the quality of the microfilm that the land registry was preserved on has rendered the patent year and remaining original transactions illegible.

In the 1862 Walling map, Lot 31 lists a J. Walker and shows a structure along St. Joseph Boulevard, outside of the study area (Walling 1862) (Map 4). An Irish farmer, Joseph Walker, is listed in the 1871 census living on his own at Lot 31.

Sutherland's Ottawa City Directory from 1868 lists a Michael McAdams and an Isaac Taylor residing on the lot (Sutherland 1868). There is no Michael McAdams listed as living on Lot 31 in the 1871 census. However, there is a Michael McAdams who runs a Weaver Shop in Cumberland (Ancestry.com 1871). Unfortunately, there is no further available information to confirm if this is the same Michael McAdams from the 1868 directory.

There are several entries on the poorly preserved Land Registry on microfilm for Lot 31 between the original patent and entries from the 20th century that resemble the name "Isaac Taylor" which appears in Sutherland's Directory. The 1871 census has Taylor living on Lot 30 at 32 years old with three other people who are possibly his siblings (Anna, 39 and Charles, 22) and his mother (Betsy, 66). The census states he owns 300 acres which indicates he has property on more than one lot. It appears from the Sutherland Directory which has him living at Lot 31 in 1868, and the 1871 census which has him living at Lot 30, that he moved between his properties.

4.3 Archaeological Context

4.3.1 Current Conditions

The study area (0.84 hectares) consists of an irregularly shaped area that is an open lot of fallow fields, which was recently mowed (Figure 1 - Figure 3) (Map 5). The parcel is bordered to the northwest by Lacolle Way. To the northeast and southwest are commercial lots. The eastern portion of the study area is bordered by an evangelical church and to the south is a former dwelling which faces Saint Joseph Boulevard and has been converted into Voyages Rockland Travel.

The study area was primarily used as farmland. The earliest available aerial photograph from 1976 shows the study area located within farm fields. The next available aerial photograph from 1991 shows the start of extensive commercial development to the north, west and east of the study area. While the study area appears untouched by development, it was no longer used as farmland from at least 1991 (Map 6). The subsequent aerials all show continuing commercial development to the north, east, and west of the study area which remains a vacant overgrown lot. To the south of the study area there is a dwelling which faces St. Joseph Boulevard and can be seen in the earliest aerial photograph in 1976 (Map 6) and remains seemingly unchanged in the most recent aerial photograph from 2022.

4.3.2 Physiography

The study area lies within the Ottawa Valley Clay Plains (Map 7). The region is characterized by poorly drained topography of clay plains interrupted by ridges of rock or sand that offer moderately better drainage. This topography was influenced by the post glacial sequence Champlain Sea (ca. 10,500 to 8,000 B.C.) that deposited these clay soils and were subsequently covered by sand deposits from the emerging freshwater drainage. Some of these sands were eroded to the underlying clay deposits by later channels of the developing Ottawa River. The sections to the north and south of the Ottawa River are characteristically different. On the Ontario side there is a gradual slope, although there are also some steep scarps (Chapman and Putnam 2007:205–208).

The study area lies in an area of unmapped soils (Map 7), however the closest mapped soils to the area consist of the Ste. Rosalie Series which is made up of poorly drained clay soils that are found in the Ottawa River valley. These soils have developed olive-gray clay which is often 15 feet thick. The moist and wet soils have a dense consistency that is the result of clay swelling and internal drainage is almost completely blocked. The topography is flat and natural drainage courses are imperfectly developed. The surface plow layer is dark grey in colour and is very low in organic matter content. Hay and grain are the principal crops grown in these soils (Gillespie and Wicklund 1964).

The surficial geology of the study area indicates that the property consists of Massive-well laminated, fine-textured glaciomarine deposits with terraces nearby (Map 7). This topography is composed of silt and clay as well as minor sand and gravel.

The study area is 700 meters west of Cardinal Creek, 500 m east of Taylor Creek, and 900 meters south from the Ottawa River.

4.3.3 Previous Archaeological Assessments

There has been no previous assessment of the study area. Nearby assessments include:

- A series of archaeological assessments and a mitigation of impact for a proposed subdivision to the northeast along Old Montreal Road, including the Stage 4 mitigation of the BiFu-7 historic homestead site (Paterson Group 2012a, 2013a, 2013b, 2014);
- Stage 1 assessment and follow-up Stage 2 assessments of the Trim Road corridor and realignment were undertaken (Archaeological Services Inc 1998; Golder Associates Ltd 2011a, 2011b);
- Stage 2 assessment on Trim Road, near Old Montreal Road that found no archaeological resources (Golder Associates Ltd 2011a);
- Stage 1 and 2 assessment of 955 Dairy Road (Paterson Group 2013c); and
- Stage 1 and 2 assessment of 1015 Dairy Drive (Matrix Heritage 2023)
- Stage 1 assessment of the Mondavi Court Development located at 1765 Trim Road (Paterson Group 2012b).

4.3.4 Registered Archaeological Sites and Commemorative Plaques

A search of the Ontario Archaeological Sites Database indicated three registered sites are located within a 1 km radius of the study area (Table 1). These include the Ferrin Site (BiFu-8), an historical homestead site; and an unnamed Pre-Contact camp/campsite (BiFu-2). No commemorative plaques or monuments are located near the subject property.

Borden Number	Site Name	Time Period	Affinity	Site Type	
BiFu-8	Ferrin Site	Post-Contact	Euro-Canadian	Homestead	No Further CHVI
BiFu-2	-	Pre-Contact	Aboriginal	Camp/Campsite	No Further CHVI

Table 1: Registered archaeological sites within 1km.

4.4 Archaeological Potential

Potential for pre-contact Indigenous sites is based on physiographic variables that include distance from the nearest source of water, the nature of the nearest source/body of water, distinguishing features in the landscape (e. g. ridges, knolls, eskers, and wetlands), the types of soils found within the area of assessment and resource availability. The study area property exhibits low archaeological potential for pre-contact Indigenous sites as it is over 500m from the closest water sources and located on poorly drained soils.

Potential for historical Euro-Canadian sites is based on proximity to the historical transportation routes, historical community buildings such as schools, churches, and businesses, and any known archaeological or culturally significant sites. The study area property exhibits potential for historical period archaeological sites based on its proximity to the historic St. Joseph Boulevard, formerly known as Queen Street, which is located 60m to the south.

The City of Ottawa has an archaeological management plan which was developed in 1999, *The Archaeological Resource Potential Mapping Study of the Regional Municipality of Ottawa-Carleton*. The management plan covers the Township of Cumberland (Archaeological Services Inc. and Geomatics International Inc 1999). According to the management plan, study area falls within an area of archaeological potential (Map 3).

5.0 Field Methods

The study area (0.84 ha) is considered to have archaeological potential according to the 2011 standards set out for consultant archaeologists by the MCM. The study area consists of an open fallow grassy overgrown field and was therefore not suitable for ploughing as per Standard 1, Section 2.1.2 (MCM 2011) (Figure 1 - Figure 3).

The entirety of the study area was subject to shovel testing at 5 metre intervals (Map 4) (Figure 4 - Figure 11). All test pits were a minimum of 30 cm in diameter and were excavated 5 cm into subsoil (Figure 12) and extended to within 1 m of structures (Section 2.1.2). All soil was screened using 6 mm mesh. All test-pits were examined for cultural features and stratigraphy then backfilled upon completion. Nothing of cultural significance was encountered during the Stage 2 test pitting survey of the study area.

All field activity and testing areas were mapped using a BadElf Survey GPS with WAAS and DGPS enabled, paired to an iPad with ArcGIS Field Maps. Average accuracy at the time of survey was approximately 2 m horizontal. Study area boundaries were determined in the field using boundaries digitized from the plan of survey (Map 2) overlaid in ArcGIS Field Maps. All survey data is compiled into ArcGIS and every survey point has a UTM Zone 18T NAD 83 coordinate.

Photographs were taken during fieldwork to document the current land conditions (see Map 5 for photo locations mapped by figure number) as per Standard 1.a., Section 7.8.6 (MCM 2011).

Fieldwork was undertaken on September 3, 2024. Weather conditions were clear and sunny and a temperature of 24° C. Lighting, visibility, and overall conditions were good (Section 2.1, Standard 3 MCM 2011). Permission to access the property was provided by the owner prior to the commencement of any field work; no limits were placed on this access. Nothing of archaeological significance was encountered during the field assessment.

6.0 Record of Finds

Despite having archaeological potential, no archaeological remains or cultural soil profiles were encountered during the Stage 2 investigations of the study area.

Photograph record, maps, and daily field notes (including sketch maps drawn in the field) are listed in Appendix A to C.

7.0 Conclusions and Recommendations

The Stage 1 assessment included a review of the Ontario Ministry of Citizenship and Multiculturalism's (MCM) archaeological site databases, a review of relevant environmental, historical, and archaeological literature, as well as primary historical research including: historical maps and land registry records. The Stage 1 background assessment concluded that, based on criteria outlined in the MCM's *Standards and Guidelines for Consultant Archaeologists* (Section 1.3, 2011), the study area had both pre-contact Indigenous as well as historical Euro-Canadian archaeological potential.

The Stage 2 archaeological assessment involved subsurface testing consisting of hand excavated test pits at 5 metre intervals in areas of archaeological potential (Standard 2., Section 2.1.2, MCM 2011). No artifacts or features with cultural heritage value or interest were encountered during the Stage 2 assessment.

Based on the results of this investigation it is recommended that:

1. No further archaeological study is required for the study area as delineated in Map 1.

8.0 Advice on Compliance with Legislation

- a. This report is submitted to the *Minister of Citizenship and Multiculturalism* as a condition of licencing in accordance with Part VI of the *Ontario Heritage Act*, R.S.O. 1990, c 0.18. The report is reviewed to ensure that it complies with the standards and guidelines that are issued by the Minister, and that the archaeological fieldwork and report recommendations ensure the conservation, protection and preservation of the cultural heritage of Ontario. When all matters relating to archaeological sites within the project area of a development proposal have been addressed to the satisfaction of the Ministry of Citizenship and Multiculturalism, a letter will be issued by the ministry stating that there are no further concerns with regard to alterations to archaeological sites by the proposed development.
- b. It is an offence under Sections 48 and 69 of the *Ontario Heritage Act* for any party other than a licenced archaeologist to make any alteration to a known archaeological site or to remove any artifact or other physical evidence of past human use or activity from the site, until such time as a licensed archaeologist has completed archaeological fieldwork on the site, submitted a report to the Minister stating that the site has no further cultural heritage value or interest , and the report has been filed in the Ontario Public Register of Archaeology Reports referred to in Section 65.1 of the *Ontario Heritage Act*.
- c. Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48 (1) of the *Ontario Heritage Act*. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licenced consultant archaeologist to carry out archaeological fieldwork, in compliance with Section 48 (1) of the *Ontario Heritage Act*.
- d. The *Cemeteries Act*, R.S.O. 1990 c. C.4 and the *Funeral, Burial and Cremation Services Act*, 2002, S.O. 2002, c.33 (when proclaimed in force) require that any person discovering human remains must notify the police or coroner and the Registrar of Cemeteries at the Ministry of Consumer Services.

9.0 Closure

Matrix has prepared this report in a manner consistent with the time limits and physical constraints applicable to this report. No other warranty, expressed or implied, is made. The strategies incorporated in this study comply with those identified in the Ministry of Citizenship and Multiculturalism's *Standards and Guidelines for Consultant Archaeologists* (2011) however; archaeological assessments may fail to identify all archaeological resources.

The present report applies only to the project described in the document. Use of this report for purposes other than those described herein or by person(s) other than Patrice Houle Holding or their agent(s) is not authorized without review by this firm for the applicability of our recommendations to the altered use of the report.

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This report is pending Ministry approval.

If you have any questions or we may be of further assistance, please contact the undersigned.

Matrix Heritage Inc.



Nadine Kopp, M.A., A.P.A., C.A.H.P.
Senior Archaeologist

10.0 Bibliography and Sources

Algonquins of Ontario
Our Proud History.

Ancestry.com
1861 Census of Canada.
1871 Ontario, Canada Census Index, 1871.

Archaeological Services Inc
1998 *Stage 1 Archaeological Resource Assessment of Trim Road, Russell and Cumberland, regional municipality of Ottawa, Carleton*. Toronto.

Archaeological Services Inc. and Geomatics International Inc
1999 *The Archaeological Resource Potential Mapping Study of the Regional Municipality of Ottawa-Carleton: Planning Report*. Archaeological Services Inc. and Geomatics International Inc., Ottawa, Ont.

Belden, H. & Co
1881 Segment of Prescott and Russell Supplement to the Illustrated Atlas of the Dominion of Canada. Toronto.

Chapman, L. J., and D. F. Putnam
2007 *The Physiography of Southern Ontario*. Vol. Miscellaneous Release Data 228. Ontario Geological Survey, Toronto.

Clermont, N.
1999 The Archaic Occupation of the Ottawa Valley. In *Ottawa Valley Prehistory*, edited by J.-L. Pilon, pp. 43–53. Imprimerie Gauvin, Hull.

Coffin, William
1825 Segment of Township of Cumberland.

Day, Gordon
2005 *The Indians of the Ottawa Valley*. Canadian Museum of Civilization Corporation.

Ellis, C. J., and B. D. Deller
1990 Paleo-Indians. In *The Archaeology of Southern Ontario to A.D. 1650*, edited by C. J. Ellis and N. Ferris, 5:pp. 37–63. Occasional Publications of the London Chapter, OAS, London.

Ellis, Christopher J., and Neal Ferris
1990 *The Archaeology of Southern Ontario to A.D. 1650*. Vol. 5 Occasional Publications of the London Chapter. OAS, London.

Gillespie, J. E., and R. E. Wicklund
1964 *Soil Survey of Renfrew County*. Research Branch, Canada Department of Agriculture, Ottawa.

Golder Associates Ltd
2011a *Stage 2 Archaeological Assessment, Trim Road Realignment, Priority Area 2, Part Lot 30*,

Concession Ottawa Front and Part Lots C and B, Concession 9, Geographic Township of Cumberland, Ottawa, Ontario. Ottawa.

2011b *Stage 2 Archaeological Assessment, Trim Road Realignment, Priority Area 3, Part Lot 29, 30, 31, 32, Concession Ottawa Front, Geographic Township of Cumberland, Ottawa, Ontario. Ottawa.*

Hessel, P.D.K

1993 *The Algonkians of the Ottawa Valley: An Historical Outline*. Kichesippi Books, Arnprior.

Holmes, J, and Associates

1993a Executive Summary. In *Algonquins of Golden Lake Claim*. Ontario Native Affairs Secretariat.

1993b Aboriginal Use and Occupation of the Ottawa River Watershed. In *Algonquins of Golden Lake Claim, 2:*. Ontario Native Affairs Secretariat.

Jamieson, S.

1999 A Brief History of Aboriginal Social Interactions in Southern Ontario and Their Taxonomic Implications. In *Taming the Taxonomy: Toward a New Understanding of Great Lakes Archaeology*, edited by R. F. Williamson and Christopher M. Watts, pp. 175–192. eastendbooks, Toronto.

Kapyrka, Julie, and Gitiga Migizi

2016 Truth and Reconciliation in Archaeology: Dismantling the Kingdom. *Ontario Archaeological Society Notes* 21(4):3–9.

Laliberté, Marcel

1999 The Middle Woodland in the Ottawa Valley. In *Ottawa Valley Prehistory*, edited by J.-L. Pilon, pp. 69–81. Imprimerie Gauvin, Hull.

2000 *Synthèse: Recherches archaéologiques dans le Parc du Lac-Leamy 1993-1999*. Écomusée de Hull, Hull.

Matrix Heritage

2023 *Stage 1 and 2 Archaeological Assessment 1015 Dairy Drive, Part 1 and 2 of Plan 4R-25378 on Part Lot 29, Concession 1 from the Ottawa River, Geographic Township of Cumberland, formerly in Russel County, Formerly in the Municipality of Cumberland, now in the City of Ottawa, Ontario.*

MCM

2011 Standards and Guidelines for Consultant Archaeologists.

McMillan, Alan, D

1995 *Native Peoples and Cultures of Canada*. Douglas and McIntyre, Vancouver.

Mitchell, B. M.

1963 Occurrence of Overall Corded Pottery in the Upper Ottawa Valley, Canada. *American Antiquity* 29(1):114–115.

Moreau, Jean-Francois, F. Guindon, and E. Langevin

2016 The Northern Route, between the Saguenay and Georgian Bay: Construction of a Hypothesis. In *Contact in the 16th Century*. Mercury Series Archaeology Paper 176. Canadian Museum of History and the University of Ottawa Press, Ottawa.

Morrison, James

2005 Algonquin History in the Ottawa River Watershed. *Ottawa River: A Background Study for Nomination of the Ottawa River Under the Canadian Heritage Rivers System*:17–36.

OLR

Ontario Land Registry Office Records.

Paterson Group

2012a *Revised Stage 1 and 2 Archaeological Assessment Proposed Cardinal Creek Development - Part Lot 28, Ottawa, Ontario*. Ottawa.

2012b *Stage 1 Archaeological Assessment: Proposed Mondavi Court Development, 1765 Trim Rd. Part Lot A, Concession 9, (geographic) Township of Cumberland, County of Russell, City of Ottawa, Ontario*. Ottawa.

2013a *Revised Stage 1 Archaeological Assessment Proposed Cardinal Creek Development, Lands North of Old Montreal Rd. Part Lot 25, 26, 27 and 28, Concession 1 in the Geographic Township of Cumberland, Historic County of Russell, Ottawa, Ontario*. Ottawa.

2013b *Stage 2 Archaeological Assessment Proposed Cardinal Creek Development, Part Lot 25, 26, 27 and 28, Concession 1 and Part Lot C, D, and E Concession 8 in the Geographic Township of Cumberland, Historic County of Russell, Ottawa, Ontario*. Ottawa.

2013c *Stage 1 and 2 Archaeological Assessment: Proposed Commercial Development, 955 Dairy Drive, Part Lot 30 Concession 1, Geographic Township of Cumberland, Ottawa, Ontario*.

2014 *Stage 4 Archaeological Assessment Cardinal Creek Site (BiFu-7) - Part Lot 28 Concession 1, Geographic Township of Cumberland, Ottawa, Ontario*. Ottawa.

Pilon, Jean-Luc

2006 *Report of Archaeological Research Undertaken within Rockcliffe Park, Ottawa, Ontario*.

2008 *Getting Over the Falls: The Archaeological Heritage of Rockcliffe Park*. *Arch Notes* 13(1):7–16.

Pilon, Jean-Luc, and Randy Boswell

2015 *Below the Falls; An Ancient Cultural Landscape in the Centre of (Canada's National Capital Region) Gatineau*. *Canadian Journal of Archaeology* 39(2):257–292.

Pilon, J.-L.

2005 *Ancient History of the Lower Ottawa River Valley*. *Ottawa River: A Background Study for Nomination of the Ottawa River Under the Canadian Heritage Rivers System*:12–17.

Ritchie, W. A.

1969 *The Archaeology of New York State*. Revised. The Natural History Press, Garden City.

Sarazin, G

220 Years of Broken Promises. Algonquins of Greater Golden Lake First Nation.

Sioui, G. E.

1999 *Huron-Wendat: The Heritage of the Circle*. UBC Press, Vancouver.

Sutherland, James

1868 *Sutherland's City of Ottawa Directory*. Hunter, Rose, & Co.

Trigger, B.

1976 *The Children of Aataentsic a History of the Huron People to 1660*. 2 vols. McGill-Queen's University Press, Montreal.

Trigger, B. G.

1986 *Natives and Newcomers: Canada's "Heroic Age" Reconsidered*. McGill-Queen's University Press, Montreal.

Walling

1862 Plan of the Counties of Stormont, Dundas, Glengarry, Prescott & Russell.

Warrick, Gary

2008 *A Population History of the Huron-Petun, A.D. 500-1650*. Cambridge University Press, New York.

Watson, Gordon D.

1972 A Woodland Indian Site at Constance Bay, Ontario. *Ontario Archaeology* 18:1–24.

1980 The Wyght Site: A Multicomponent Woodland Site on the Lower Rideau Lake, Leeds County, Ontario. Unpublished M.A. Thesis, Trent University, Peterborough.

1990 Paleo-Indian and Archaic Occupations of the Rideau Lakes. *Ontario Archaeology* 50:5–26.

1999 The Paleo-Indian Period in the Ottawa Valley. In *Ottawa Valley Prehistory*, edited by J.-L. Pilon, pp. 28–41. Imprimerie Gauvin, Hull.

Wright, James V.

1966 *The Ontario Iroquois Tradition*. Bulletin 210. National Museum of Canada, Ottawa.

2004 *A History of the Native People of Canada: Volume III (A.D. 500 - European Contact)*. National Museum of Canada Mercury Series, Archaeological Survey of Canada Paper No. 152. Canadian Museum of Civilization, Hull.

11.0 Images



Figure 1: Overview of study area (MH1313-D02).



Figure 2: Overview of study area (MH1313-D10).



Figure 3: Overview of study area looking back towards Lacolle Way (MH1313-D17).



Figure 4: Testing along east side of property (MH1313-D03).



Figure 5: Testing throughout study area (MH1313-D11).



Figure 6: Testing throughout study area (MH1313-D12).



Figure 7: Testing throughout study area (MH1313-D14).



Figure 8: Testing throughout study area (MH1313-D15).



Figure 9: Testing throughout study area (MH1313-D16).



Figure 10: Testing throughout study area (MH1313-D18).

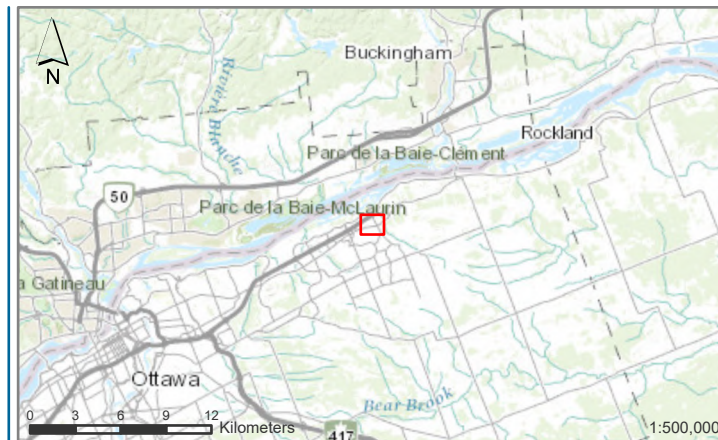
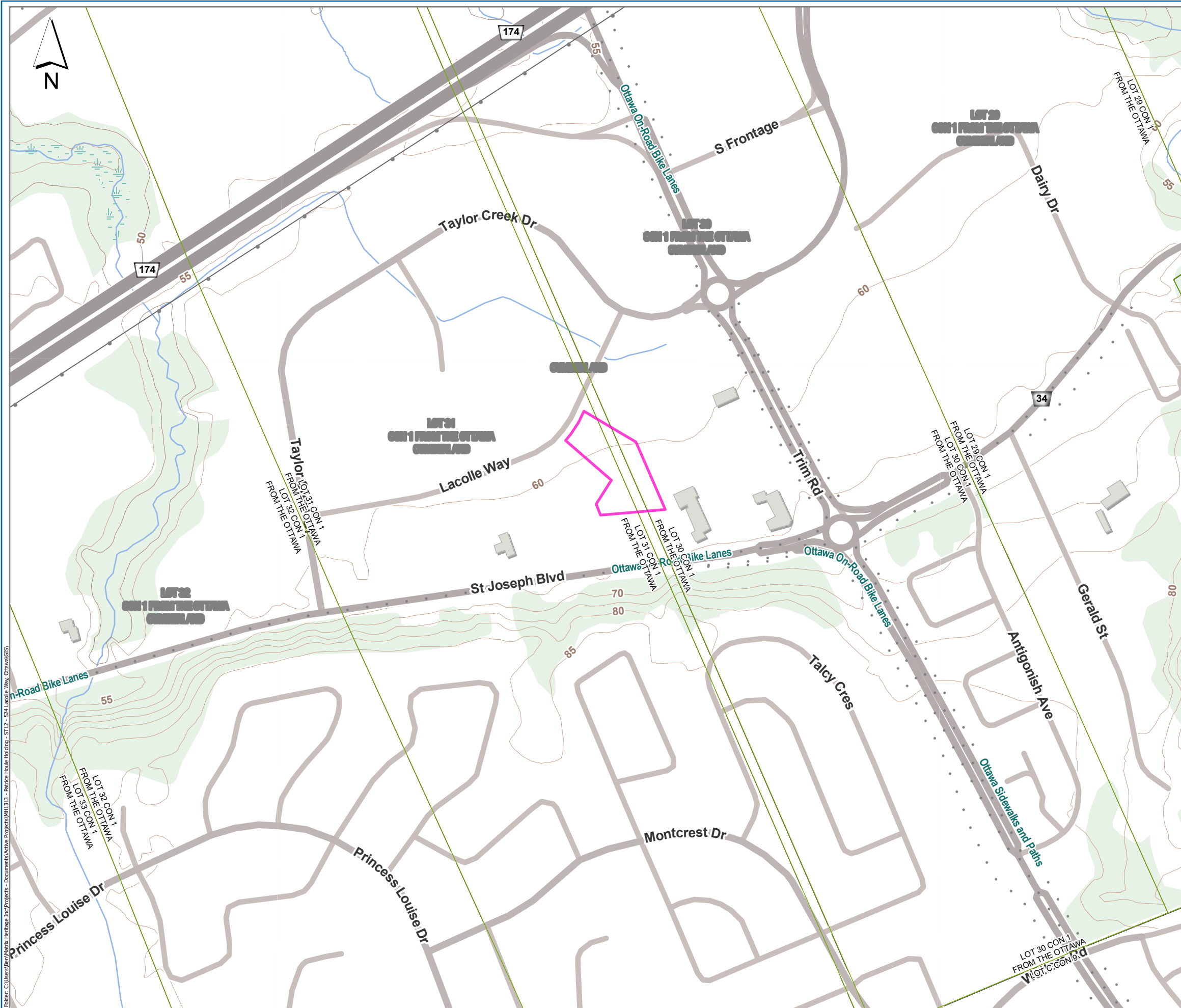



Figure 11: Testing throughout study area (MH1313-D19).



Figure 12: Typical test pit (MH1313-D01).

12.0Maps



LEGEND
 STUDY AREA

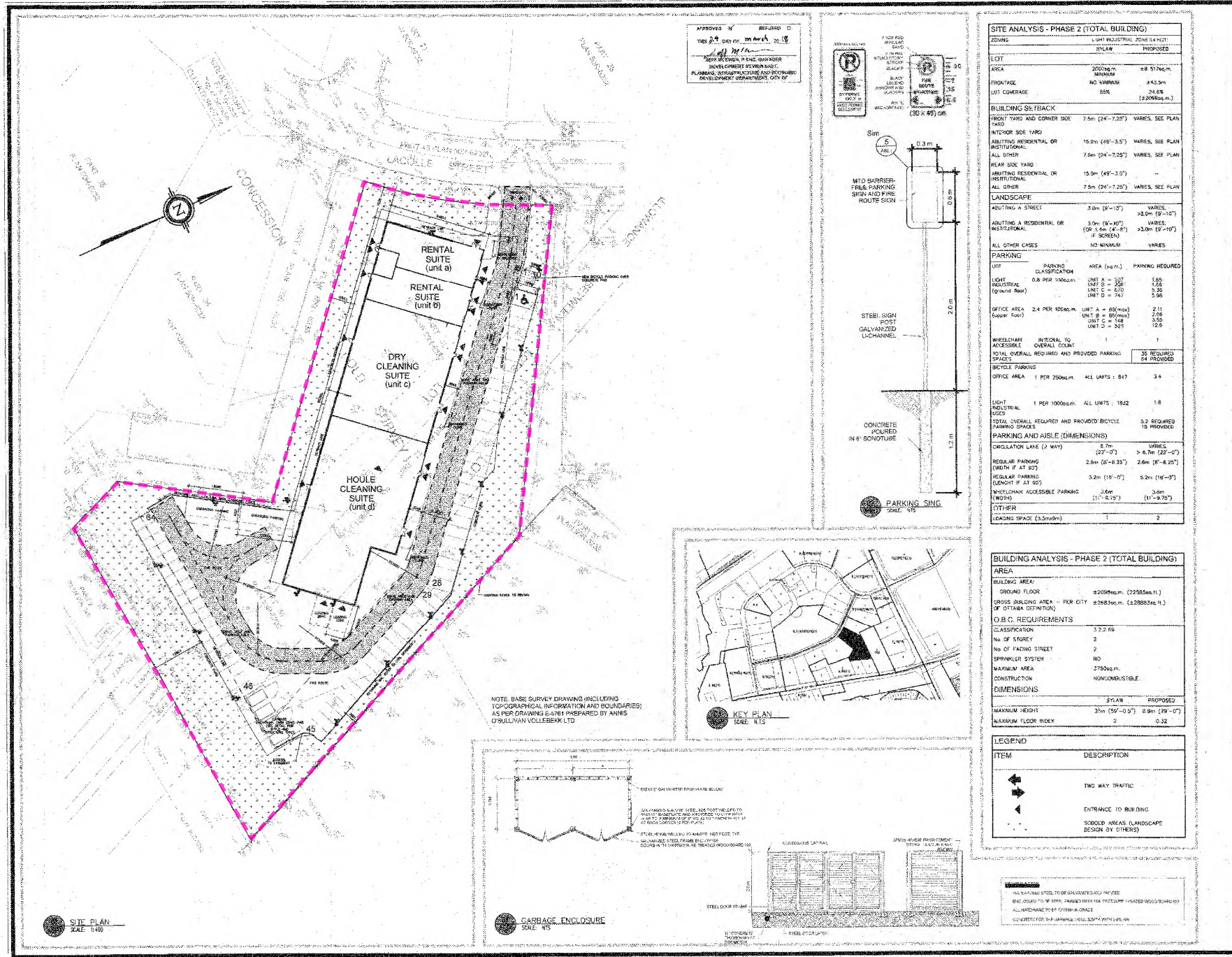


REFERENCES:
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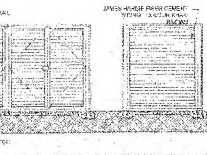
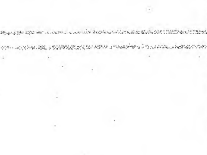
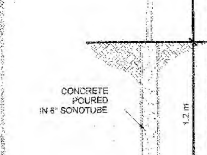
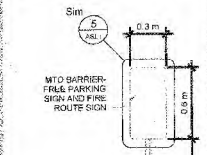
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 CHECKED BY: NK
 PROJECT
 STAGE 1 AND 2 ARCHAEOLOGICAL ASSESSMENT
 524 LACOLLE WAY, OTTAWA, ON

TITLE LOCATION MAP 1

Folder: C:\Users\Ben\OneDrive\OneDrive - Matrix\OneDrive - Matrix\Projects\MH1313 - Parc de la Baie - 524 Lacolle Way, Ottawa\GIS



APPROVED BY: [Signature]
 REQUIRED BY: [Signature]
 NAME: [Name]
 POSITION: [Title]
 DEPARTMENT: [Department]



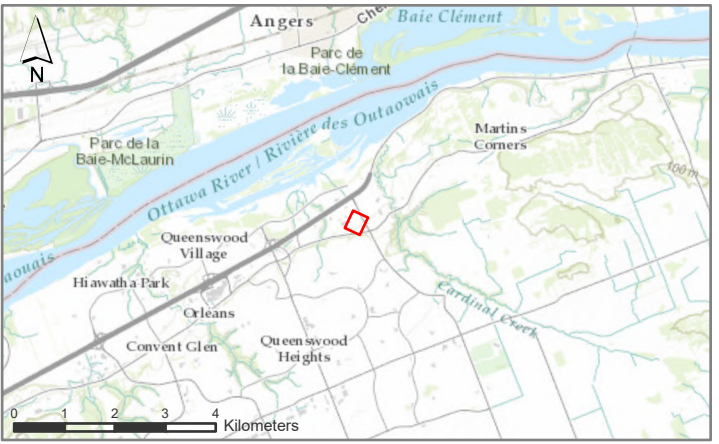
SITE ANALYSIS - PHASE 2 (TOTAL BUILDING)				
ZONING	LIGHT INDUSTRIAL ZONE (L2)			
LOT AREA	200sq.m. (817sq.m.)			
FRONTAGE	NO VARIATION			
LOT COVERAGE	80%			
BUILDING SETBACK				
FRONT YARD AND CORNER SIDE YARD	7.5m (24'-7.5") VARIES, SEE PLAN			
INTERIOR SIDE YARD	15.0m (49'-3") VARIES, SEE PLAN			
REAR SIDE YARD	7.5m (24'-7.5") VARIES, SEE PLAN			
ALL OTHER	15.0m (49'-3") VARIES, SEE PLAN			
LANDSCAPE				
ADJUTING A STREET	3.0m (9'-10") VARIES			
ADJUTING A RESIDENTIAL OR INSTITUTIONAL	3.0m (9'-10") VARIES			
ALL OTHER CASES	NO MINIMUM VARIES			
PARKING				
LOT	AREA (sq.m.)	PARKING REQUIRED		
INDUSTRIAL	0.8 PER 100sq.m.	UNIT A = 150	1.55	
OFFICE AREA	2.4 PER 100sq.m.	UNIT B = 450	1.08	
INDUSTRIAL	0.8 PER 100sq.m.	UNIT C = 147	1.18	
OFFICE AREA	2.4 PER 100sq.m.	UNIT D = 800sq.m.	1.92	
INDUSTRIAL	0.8 PER 100sq.m.	UNIT E = 148	1.18	
OFFICE AREA	2.4 PER 100sq.m.	UNIT F = 527	12.6	
WHEELCHAIR ACCESSIBLE		INTERNAL TO	1	
TOTAL OVERALL REQUIRED AND PROVIDED PARKING SPACES		35 REQUIRED	34 PROVIDED	
BICYCLE PARKING		OFFICE AREA	1 PER 250sq.m. ALL UNITS: 847	3.4
LIGHT INDUSTRIAL		1 PER 1000sq.m.	ALL UNITS: 1922	1.8
TOTAL OVERALL REQUIRED AND PROVIDED BICYCLE PARKING SPACES		19 PROVIDED	19 PROVIDED	
PARKING AND AISLE (DIMENSIONS)		REGULAR PARKING (WIDTH IF AT 90°)	2.4m (7'-8.7")	2.4m (7'-8.7")
REGULAR PARKING (WIDTH IF AT 90°)		5.2m (17'-0")	5.2m (17'-0")	
WHEELCHAIR ACCESSIBLE PARKING		3.6m (11'-8.1")	3.6m (11'-8.1")	
OT-HER		LOADING SPACE (3.5m x 5m)	2	

BUILDING ANALYSIS - PHASE 2 (TOTAL BUILDING)	
AREA	
BUILDING WEA	
GROUND FLOOR	4200sq.m. (12580sq.ft.)
GROSS BUILDING AREA - PER CITY OF OTTAWA DEFINITION	4200sq.m. (12580sq.ft.)
O.B.C. REQUIREMENTS	
CLASSIFICATION	3.2.2.B.5
NO. OF STOREY	2
NO. OF PACING STREET	2
SPRINKLER SYSTEM	NO
MAXIMUM AREA	2750sq.m.
CONSTRUCTION	NONCOMBUSTIBLE
DIMENSIONS	
MAXIMUM HEIGHT	21m (69'-0")
MAXIMUM FLOOR INDEX	2

ITEM	DESCRIPTION
→ →	TWO WAY TRAFFIC
→	ENTRANCE TO BUILDING
• • •	SCULPTED AREAS (LANDSCAPE DESIGN BY OTHERS)

ALL MATERIALS SHALL BE GALVANNEAL MINIMUM 55% ZINC COATED TO BE APPLIED TO ALL EXPOSED SURFACES.
 ALL DIMENSIONS TO FACE UNLESS OTHERWISE SPECIFIED.
 ALL DIMENSIONS TO FACE UNLESS OTHERWISE SPECIFIED.

NOTES:
 1. THE PROPOSED DEVELOPMENT IS SUBJECT TO THE APPROVAL OF THE CITY OF OTTAWA AND THE PROVINCE OF ONTARIO.
 2. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
 3. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
 4. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
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 19. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.
 20. THE DEVELOPER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.



LEGEND
 [Red Square] STUDY AREA



REFERENCES:
 CITY OF OTTAWA, VILLE DE GATINEAU, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, HERE, GARMIN, USGS, NGA, EPA, USDA, NPS, AAFC, NRCAN

PLAN PROVIDED BY PROPONENT

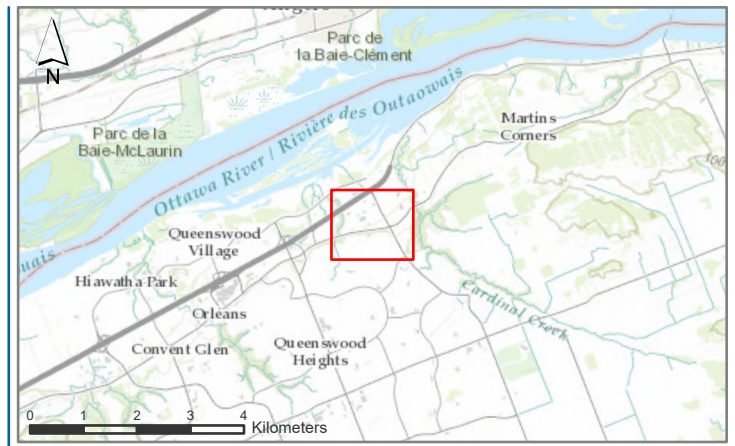
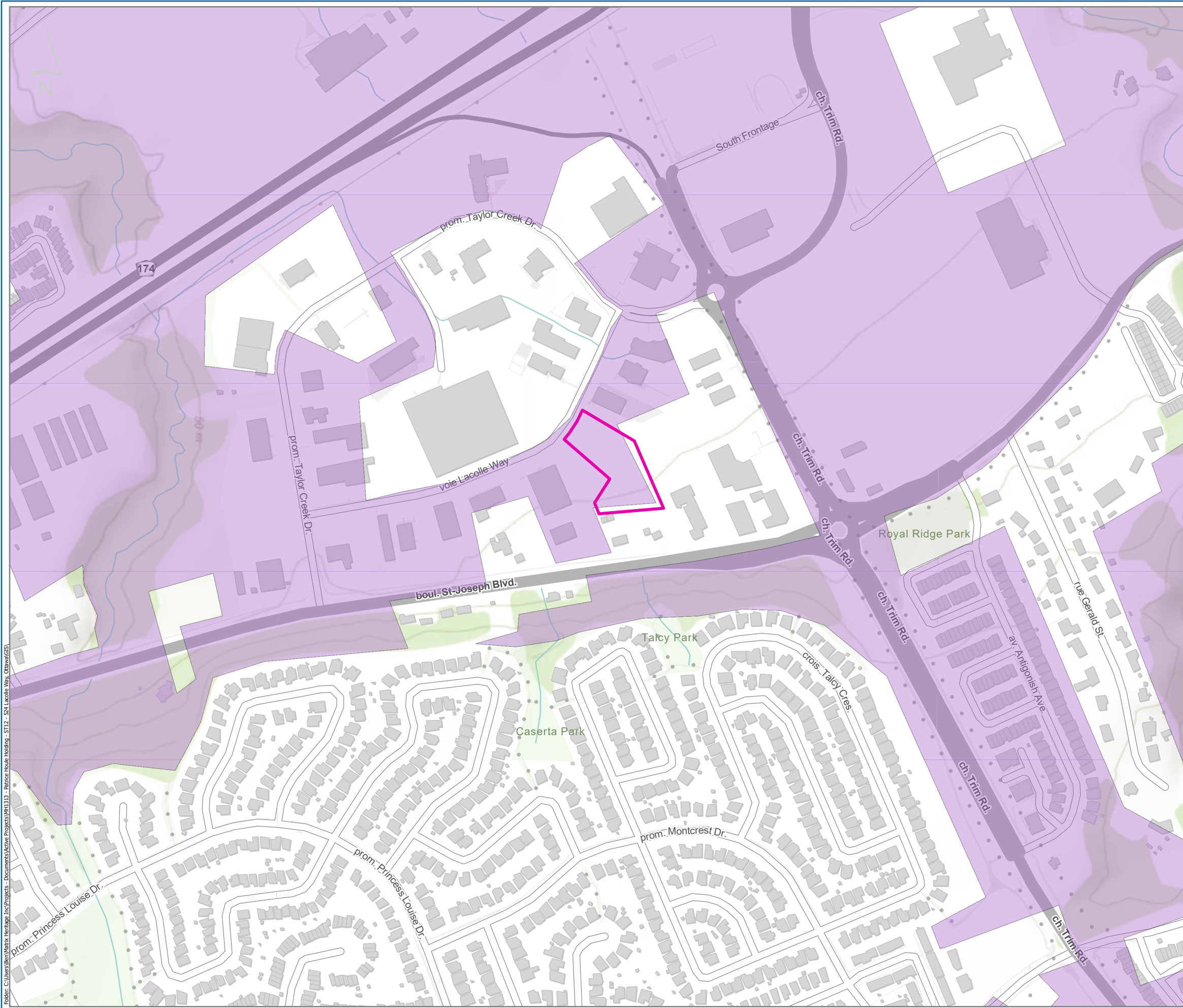
FILE MH1313 DATE 2024-09-10

PROJECTION: NAD 1983 UTM Zone 18N CREATED BY: BM


PROJECT STAGE 1 AND 2 ARCHAEOLOGICAL ASSESSMENT CHECKED BY: NK
 524 LACOLLE WAY, OTTAWA, ON

TITLE DEVELOPMENT PLAN MAP 2

Folder: C:\Users\Bm\Matrix_Heritage_Inc\Projects\Active Projects\MH1313 - Patrice Houle Holding - 524 Lacolle Way, Ottawa(5)



LEGEND

 STUDY AREA



REFERENCES:
 ESRI COMMUNITY MAPS CONTRIBUTORS, CITY OF OTTAWA, PROVINCE OF ONTARIO, VILLE DE GATINEAU, ESRI CANADA, ESRI, TOMTOM, GARMIN, SAFEGRAPH, GEOTECHNOLOGIES, INC, METI/NASA, USGS, EPA, NPS, US CENSUS BUREAU, USDA, NRCAN, PARKS CANADA. SOURCES: ESRI, AIRBUS DS, USGS, NGA, NASA, CGIAR, N ROBINSON, NCEAS, NLS, OS, NMA, GEODATASTYRELSEN, RIJKSWATERSTAAT, GSA, GEOLAND, FEMA, INTERMAP AND THE GIS USER COMMUNITY, CITY OF OTTAWA, VILLE DE GATINEAU, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, HERE, GARMIN, USGS, NGA, EPA, USDA, NPS, AAFC, NRCAN
 1999 POTENTIAL MAPPING FROM GEOOTTAWA

FILE MH1313 DATE 2024-09-11

PROJECTION: NAD 1983 UTM Zone 18N CREATED BY: BM
 CHECKED BY: NK

PROJECT
 STAGE 1 AND 2 ARCHAEOLOGICAL ASSESSMENT
 524 LACOLLE WAY, OTTAWA, ON

TITLE MAP
ARCHAEOLOGICAL POTENTIAL 3

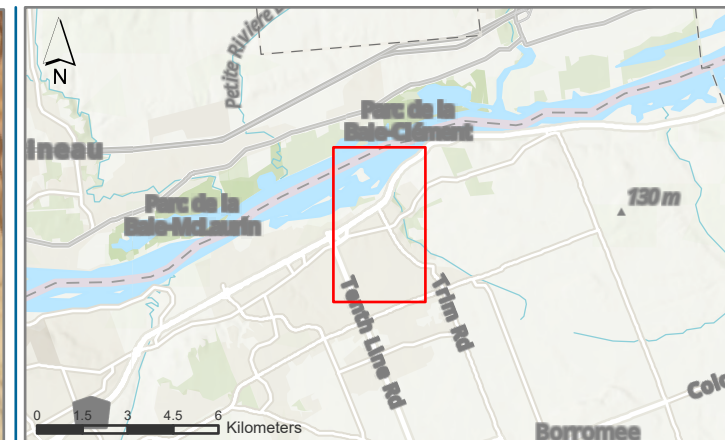
Folder: C:\Users\Benn\OneDrive\Documents\Projects\MH1313 - Matrix House Holding - 524 Lacolle Way, Ottawa\GIS




COFFIN 1825



WALLING 1862



LEGEND
 STUDY AREA



0 250 500 750 1,000 Meters 1:20,000

REFERENCES:
 ESRI, NASA, NGA, USGS, CITY OF OTTAWA, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, TOMTOM, GARMIN, SAFEGRAPH, METI/NASA, USGS, EPA, NPS, USDA, NRCAN, PARKS CANADA, CITY OF OTTAWA, VILLE DE GATINEAU, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, HERE, GARMIN, INCREMENT P, USGS, METI/NASA, EPA, USDA, AAFC, NRCAN

SEGMENT OF 1825 MAP OF TOWNSHIP OF CUMBERLAND, COFFIN (NMC 3425).

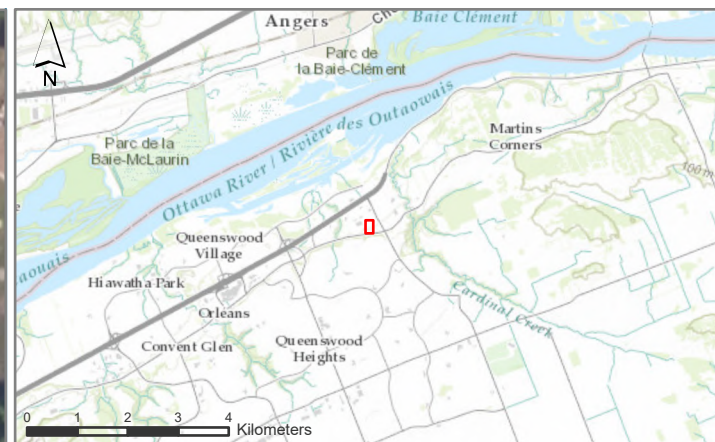
SEGMENT OF CUMBERLAND TOWNSHIP FROM MAP OF THE COUNTIES OF STORMONT, DUNDAS, GLENGARRY, PRESCOTT AND RUSSELL, CANADA WEST FROM ACTUAL SURVEYS UNDER THE DIRECTION OF H.F. WALLING, 1862.

FILE MH1313 DATE 2024-09-11

PROJECTION: NAD 1983 UTM Zone 18N CREATED BY: BM CHECKED BY: NK

PROJECT
 STAGE 1 AND 2 ARCHAEOLOGICAL ASSESSMENT
 524 LACOLLE WAY, OTTAWA, ON

TITLE HISTORIC MAP 4


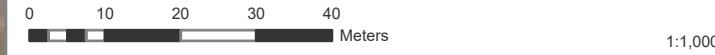


LEGEND

- STUDY AREA

METHODS

- SHOVEL TEST (5 M INTERVAL)
- PHOTO LOCATION, DIRECTION, AND FIGURE NUMBER

REFERENCES:
 CITY OF OTTAWA, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, HERE, GARMIN, INCREMENT P, USGS, EPA, USDA, AAFC, NRCAN, CITY OF OTTAWA, VILLE DE GATINEAU, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, HERE, GARMIN, USGS, NGA, EPA, USDA, NPS, AAFC, NRCAN, SDG COUNTIES, MAXAR, MICROSOFT AERIAL CIRCA 2022 - GEOOTTAWA

FILE **MH1313** DATE **2024-09-11**

PROJECTION: NAD 1983 UTM Zone 18N
 CREATED BY: DW
 CHECKED BY: NK

PROJECT
 STAGE 1 AND 2 ARCHAEOLOGICAL ASSESSMENT
 524 LACOLLE WAY, OTTAWA, ON

TITLE **METHODS, KEY, CONDITIONS** MAP **5**

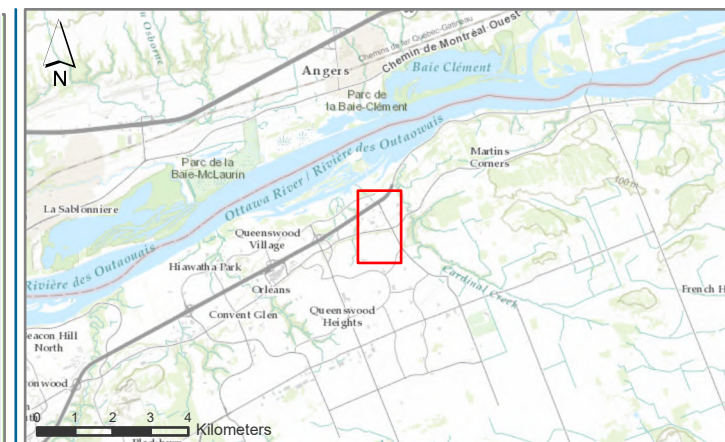
Folder: C:\Users\Benn\Matrix_Heritage_Inc\Projects - Documents\Active Projects\MH1313 - Prairie House Holding - 524 Lacolle Way, Ottawa\GIS




1976



1991



LEGEND

 STUDY AREA



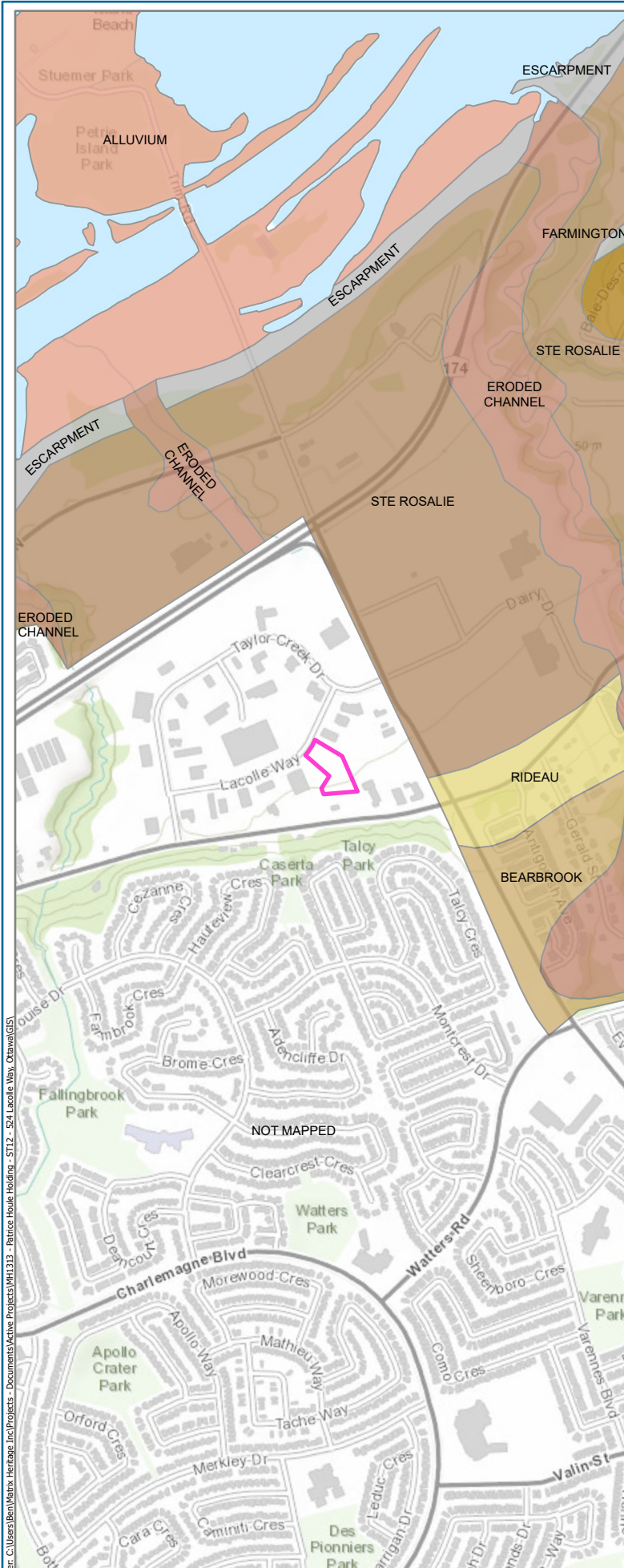
REFERENCES:
CITY OF OTTAWA, VILLE DE GATINEAU, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, HERE, GARMIN, USGS, NGA, EPA, USDA, NPS, AAFC, NRCAN, SDG COUNTIES, MAXAR AERIAL IMAGERY FROM GEOOTAWA

FILE MH1313 DATE 2024-09-11

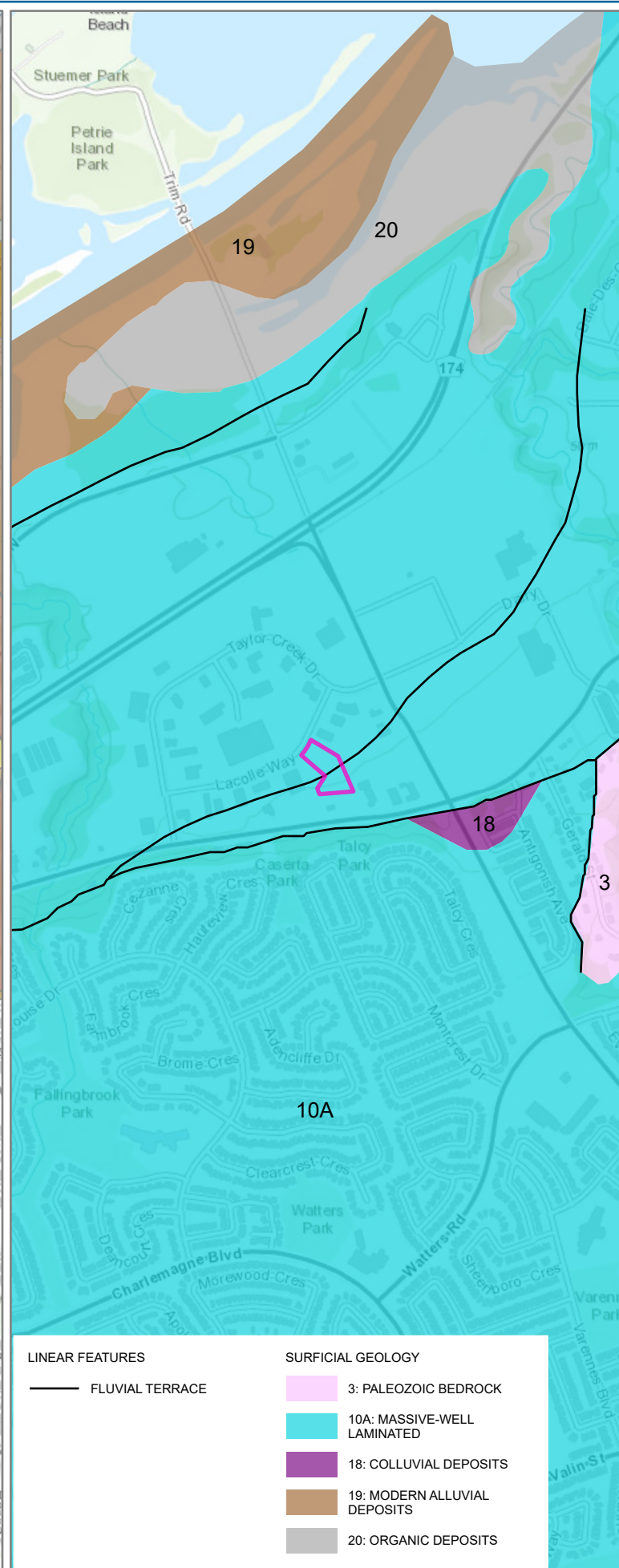
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PROJECT
STAGE 1 AND 2 ARCHAEOLOGICAL ASSESSMENT
524 LACOLLE WAY, OTTAWA, ON

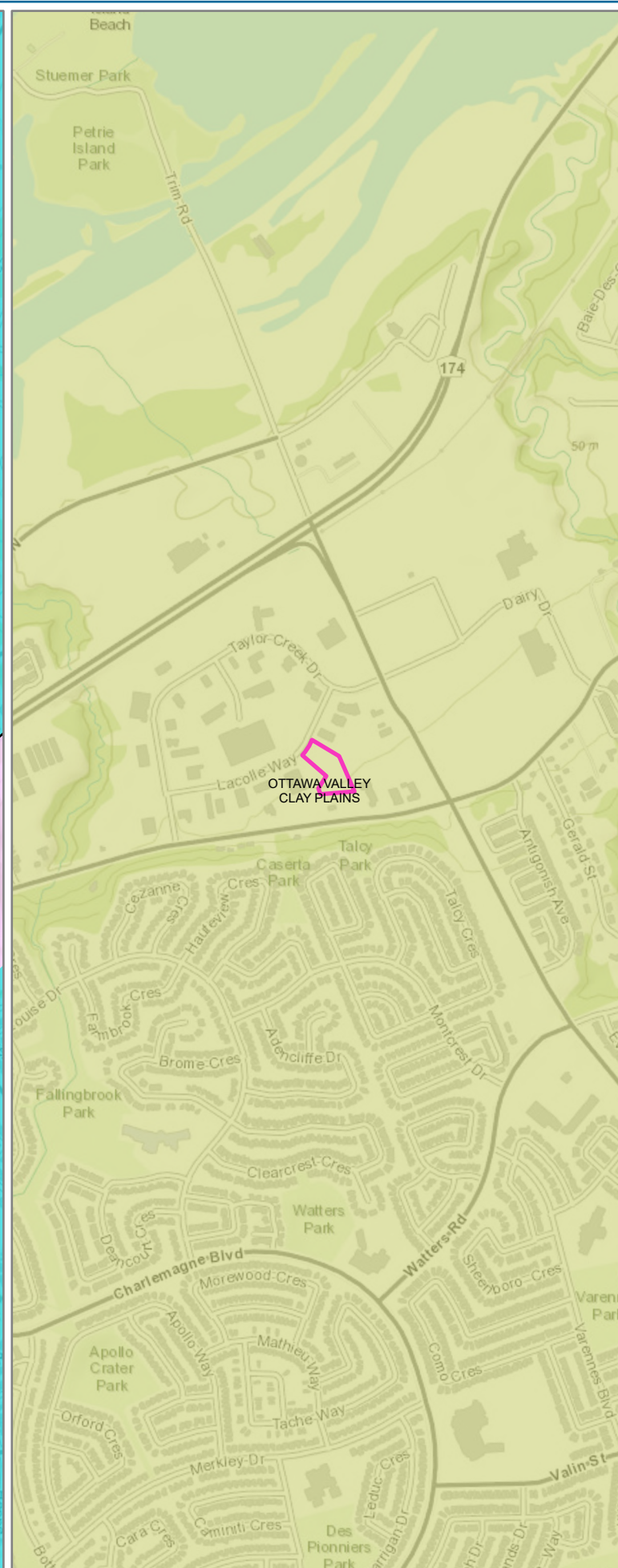
TITLE MAP
AERIAL IMAGERY 6



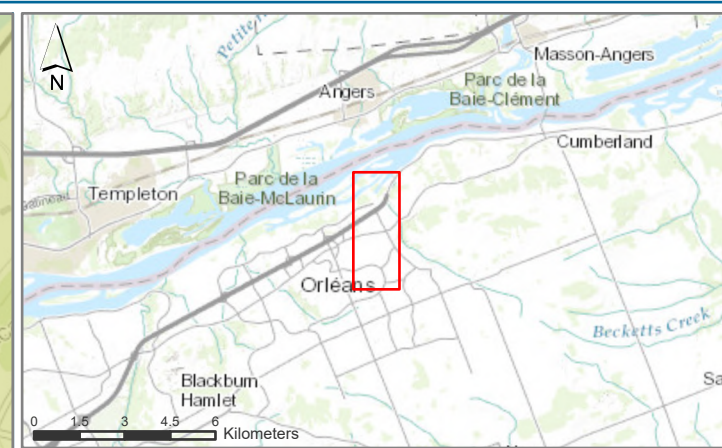
SOIL SURVEY COMPLEX



SURFICIAL GEOLOGY



PHYSIOGRAPHY



LEGEND
 STUDY AREA



0 250 500 750 1,000 Meters 1:15,063

REFERENCES:
 CITY OF OTTAWA, VILLE DE GATINEAU, ONTARIO BASE MAP, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, © OPENSTREETMAP CONTRIBUTORS, HERE, GARMIN, USGS, NGA, EPA, USDA, NPS, AAFC, NRCAN, CITY OF OTTAWA, VILLE DE GATINEAU, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, HERE, GARMIN, INCREMENT P, USGS, METI/NASA, EPA, USDA, AAFC, NRCAN
 SOIL SURVEY COMPLEX LIO
 SURFICIAL GEOLOGY OF SOUTHERN ONTARIO 2003
 CHAPMAN AND PUTNAM 2007 PHYSIOGRAPHY OF SOUTHERN ONTARIO

FILE MH1313 DATE 2024-09-11

PROJECTION: NAD 1983 UTM Zone 18N CREATED BY: BM
 CHECKED BY: NK

PROJECT
 STAGE 1 AND 2 ARCHAEOLOGICAL ASSESSMENT
 524 LACOLLE WAY, OTTAWA, ON

TITLE MAP
SOILS AND GEOLOGY 7

C:\Users\Benn\Matrix_Heritage_Inc\Projects - Documents\Active Projects\MH1313 - Matrix House Holding - 5T12 - 524 Lacolle Way, Ottawa\GIS

Appendix A: Photo Catalogue

Photo #	Description	Bearing	Date	Photographer
MH1313-D01	Typical test pit	0	03-Sep-24	M. Hunter
MH1313-D02	Overview of study area	156	03-Sep-24	M. Hunter
MH1313-D03	Testing along east side of property	126	03-Sep-24	M. Hunter
MH1313-D04	Typical test pit	71	03-Sep-24	M. Hunter
MH1313-D05	Typical test pit	61	03-Sep-24	M. Hunter
MH1313-D06	Typical test pit	54	03-Sep-24	M. Hunter
MH1313-D07	Typical test pit	246	03-Sep-24	M. Hunter
MH1313-D08	Typical test pit	247	03-Sep-24	M. Hunter
MH1313-D09	Overview of study area with storm and sanitary sewer outside of study area n eastern extent	150	03-Sep-24	M. Hunter
MH1313-D10	Overview of study area	130	03-Sep-24	M. Hunter
MH1313-D11	Testing along central portion of property	90	03-Sep-24	M. Hunter
MH1313-D12	View of storm sewer in central potion of property	136	03-Sep-24	M. Hunter
MH1313-D13	Testing throughout study area	162	03-Sep-24	M. Hunter
MH1313-D14	Testing throughout study area	208	03-Sep-24	M. Hunter
MH1313-D15	Testing throughout study area	251	03-Sep-24	M. Hunter
MH1313-D16	Testing throughout study area	82	03-Sep-24	M. Hunter
MH1313-D17	Overview of study area looking back towards Lacolle Way	331	03-Sep-24	M. Hunter
MH1313-D18	Testing throughout study area	235	03-Sep-24	M. Hunter
MH1313-D19	Testing throughout study area	159	03-Sep-24	M. Hunter

Appendix B: Map Catalogue

Map Number	Description	Created By
1	Location	B. Mortimer
2	Development Map	B. Mortimer
3	Archaeological Potential	B. Mortimer
4	Historic	B. Mortimer
5	Methods, Photo Key, and Conditions	B. Mortimer
6	Aerials	B. Mortimer
7	Soils	B. Mortimer

Appendix C: Document Catalogue

Project Number	Description	Created By
MH1313	524 Lacolle Way - Stage 2 Field Notes (One Note File)	M Hunter