

APPENDIX 5

CULTURAL HERITAGE REPORT





CULTURAL HERITAGE REPORT

Existing Conditions and Preliminary Impact Assessment

KING STREET (RR81) ROAD RECONSTRUCTION (GREENLANE TO LINCOLN AVENUE), TOWN OF LINCOLN

Submitted to:

Kerry T. Howe Engineering Limited

Submitted by:

WSP Canada Inc.

25 York Street, Suite 700, Toronto, ON
M5J 2V5 Canada

(416) 487-5256

CA0027600.1220

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Distribution List

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Executive Summary

WSP Canada Inc. (WSP) was retained by Kerry T. Howe Engineering Limited (the Client) to complete a Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment (Cultural Heritage Report) as part of a Schedule 'B' Municipal Class Environmental Assessment (MCEA) for the King Street (Regional Road 81) Road Reconstruction project (the Project). The Project is being undertaken under the Environmental Assessment Act (EAA).

The Project considers the reconstruction of King Street from approximately Greenlane to Lincoln Avenue (MCEA Study Area). The Project considers road widening and resurfacing, intersection reconstruction, culvert replacement, gravel driveway entrance upgrades, active transportation installation, and utility relocation situated within the right-of-way (ROW). As part of the Project's scope of work, property acquisitions are required for portions of lands abutting the ROW. To assess potential heritage impacts associated with the Project, the Cultural Heritage Study Area considers properties located within a 25-metre buffer of the MCEA Study Area (the Study Area).

Following the background research and field assessment, WSP concluded that the majority of properties within the Study Area are forty years or older. Of the properties forty years or older, WSP inventoried 22 known and potential heritage properties. The Study Area contains nine properties listed on the Town of Lincoln's heritage register, five properties under study as part of the Beamsville Heritage Conservation District, and eight potential heritage properties identified during the field review. There are no heritage properties designated by the Minister of Citizenship and Multiculturalism (MCM) or any provincial heritage properties (PHP) within the Study Area.

The preliminary impact assessment determined that potential indirect impacts are anticipated to four known heritage properties. WSP recommends the following:

- 1) Continued avoidance of the known and potential heritage properties.
- 2) Consult a qualified vibration specialist to complete a complete Zone of Influence (ZOI) study and where applicable, provide mitigation measures for the three buildings situated 15 metres or less from areas of construction: 5545 King Street (CHR-2), 5515 King Street (CHR-4), and 5196 King Street (CHR-15). The ZOI Study should be prepared prior to the issuance of the tender documents.
- 3) Consult a qualified heritage professional if construction is required within 15 metres of 5195 King Street (CHR-16).
- 4) Should additional staging or construction areas be required, then a qualified heritage professional must be consulted to confirm the impact assessment presented in this Cultural Heritage Report.

This report should be submitted to the Town of Lincoln and the Ministry of Citizenship and Multiculturalism (MCM) for information purposes.

Project Personnel

Client Kerry T. Howe Engineering Limited

WSP Personnel

GIS Analyst Griffin Morgan

Cultural Heritage Specialists Corals Zheng, BA (Hons), MES in Planning
Chelsey Tyers (Collins), BES, MCIP, RPP

Vibration Consultant Daniel Corkery

Senior Reviewer Heidi Schopf, MES, CAHP

Acknowledgements

Ministry of Citizenship and Multiculturalism Karla Barboza, Team Lead, Heritage
Town of Lincoln Monika Cocchiara, Manager of Planning & Development
Ontario Heritage Trust Courtney Kovacich, Provincial Heritage Registrar

Abbreviations

BHR	Built Heritage Resource
CHER	Cultural Heritage Evaluation Report
CHL	Cultural Heritage Landscape
CHVI	Cultural Heritage Value or Interest
HCP	Heritage Conservation Plan
HIA	Heritage Impact Assessment
MCM	Ministry of Citizenship and Multiculturalism
OHA	<i>Ontario Heritage Act</i>
OHT	Ontario Heritage Trust
PHP	Provincial Heritage Property
PPS	Provincial Policy Statement

Glossary

Adjacent lands:	Those lands contiguous to a <i>protected heritage property</i> or as otherwise defined in the municipal official plan (Government of Ontario 2020).
Built Heritage Resource:	Means a building, structure, monument, installation or any manufactured or constructed part or remnant that contributes to a property’s cultural heritage value or interest as identified by a community, including an Indigenous community [Indigenous Nations]. <i>Built heritage resources</i> are located on property that may be designated under Parts IV or V of the <i>Ontario Heritage Act</i> , or that may be included on local, provincial, federal and/or international registers (Government of Ontario 2020).
Conserved:	Means the identification, protection, management and use of <i>built heritage resources</i> , <i>cultural heritage landscapes</i> and <i>archaeological resources</i> in a manner that ensures their cultural heritage value or interest is retained. This may be achieved by the implementation of recommendations set out in a conservation plan, archaeological assessment, and/or heritage impact assessment that has been approved, accepted or adopted by the relevant planning authority and/or decision maker. Mitigative measures and/or alternative development approaches can be included in these plans and assessments (Government of Ontario 2020).
Cultural Heritage Landscape:	Means a defined geographical area that may have been modified by human activity and is identified as having cultural heritage value or interest by a community, including an Indigenous community. The area may include features such as buildings, structures, spaces, views, archaeological sites or natural elements that are valued together for their interrelationship, meaning or association. <i>Cultural heritage landscapes</i> may be properties that have been determined to have cultural heritage value or interest under <i>the Ontario Heritage Act</i> , or have been included on federal and/or international registers, and/or protected through official plan, zoning by-law, or other land use planning mechanisms (Government of Ontario 2020).
Heritage Attributes:	Means the principal features or elements that contribute to a <i>protected heritage property</i> ’s cultural heritage value or interest, and may include the property’s built, constructed, or manufactured elements, as well as natural landforms, vegetation, water features, and its visual setting (e.g. significant views or vistas to or from a <i>protected heritage property</i>) (Government of Ontario 2020).

- Protected Heritage Property:** Means property designated under Parts IV, V or VI of the *Ontario Heritage Act*; property subject to a heritage conservation easement under Parts II or IV of the *Ontario Heritage Act*; property identified by the Province and prescribed public bodies as provincial heritage property under the *Standards and Guidelines for Conservation of Provincial Heritage Properties*; property protected under federal legislation, and UNESCO World Heritage Sites (Government of Ontario 2020).
- Significant:** In regard to cultural heritage and archaeology, resources that have been determined to have cultural heritage value or interest. Processes and criteria for determining cultural heritage value or interest are established by the Province under the authority of the *Ontario Heritage Act* (Government of Ontario 2020).
- Site Alteration:** Means activities, such as grading, excavation and the placement of fill that would change the landform and natural vegetative characteristics of a site (Government of Ontario 2020).

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1 INTRODUCTION

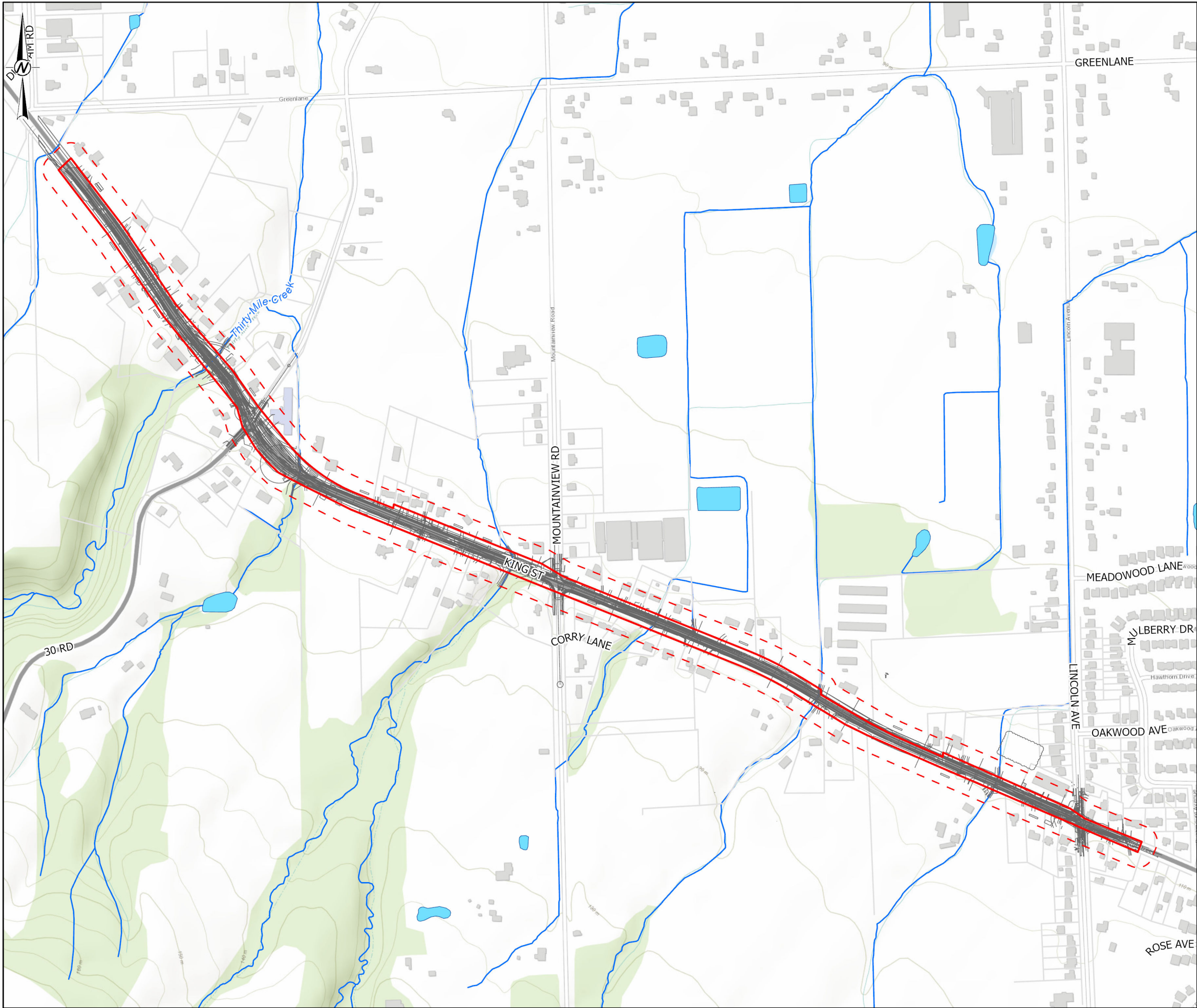
WSP Canada Inc. (WSP) was retained by Kerry T. Howe Engineering Limited (the Client) to complete a Cultural Heritage Report: Existing Conditions and Preliminary Impact Assessment (Cultural Heritage Report) as part of a Schedule 'B' Municipal Class Environmental Assessment (MCEA) for the King Street (RR81) Road reconstruction, located within the Town of Lincoln, Niagara Region, Ontario (the Project). The Project is being undertaken under the *Environmental Assessment Act*.

The Project considers the reconstruction of King Street from approximately Greenlane to Lincoln Avenue (MCEA Study Area). The Project considers road widening and resurfacing, intersection reconstruction, culvert replacement, gravel driveway entrance upgrades, active transportation installation, and utility relocation situated within the right-of-way (ROW). As part of the Project's scope of work, property acquisitions are required for portions of lands abutting the ROW. To assess potential heritage impacts associated with the Project, the Cultural Heritage Study Area considers properties located within a 25-metre buffer of the MCEA Study Area (the Study Area) (Figure 1 and Figure 2).

This Cultural Heritage Report will establish the historical context of the Study Area, identify known and potential heritage properties through information gathering and fieldwork, and develop an inventory of built heritage resources (BHRs) and cultural heritage landscapes (CHLs). Based on the current understanding of the Study Area, a preliminary impact assessment and recommended mitigation measures were prepared.

The tasks completed for the preparation of this Cultural Heritage Report include:

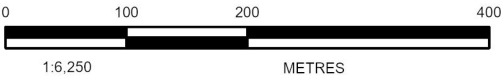
- Background Research and Information Gathering;
- Field Investigation;
- Inventory of Built Heritage Resources and Cultural Heritage Landscapes; and
- Preliminary Impact Assessment and Mitigation Measures.



SCALE: 1:1,020,535

LEGEND

- PROJECT WORK
- STUDY AREA
- ADJACENT PROPERTY BOUNDARIES
- PROPOSED DESIGN
- WATERCOURSE (LAND INFORMATION ONTARIO, 2024)
- WATERBODY (LAND INFORMATION ONTARIO, 2024)



NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. BASE MAP: CITY OF WELLAND, NIAGARA REGION, REGIONAL MUNICIPALITY OF NIAGARA, PROVINCE OF ONTARIO, ONTARIO MNR, ESRI CANADA, ESRI, HERE, GARMIN, INCREMENT P, USGS, METI/NASA, EPA, USDA, AAFC, NRCOPENSTREETMAP CONTRIBUTORS, HERE, GARMIN,

CLIENT
KERRY T. HOWE ENGINEERING LIMITED

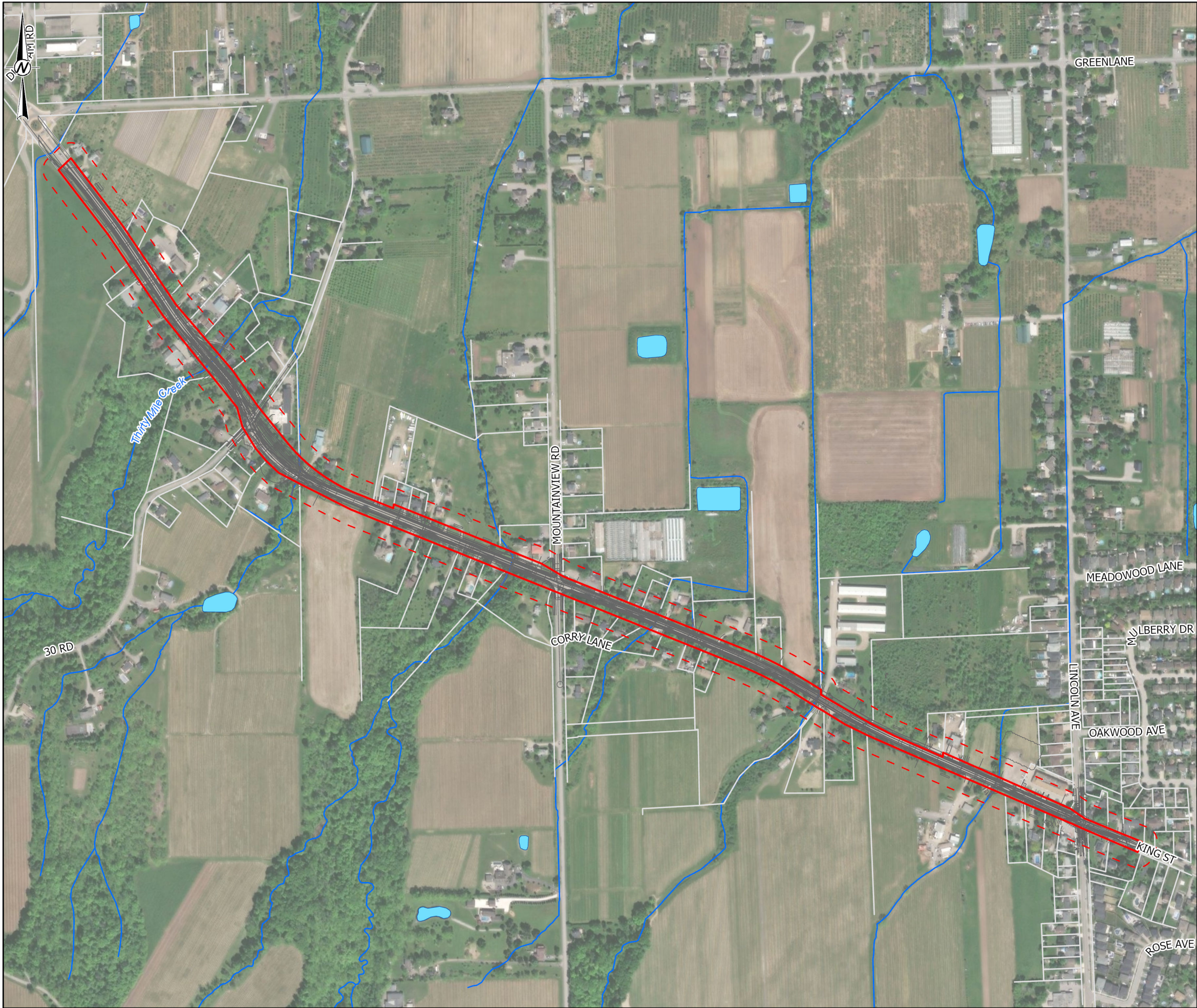
PROJECT
KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE
REPORT

TITLE
SITE LOCATION PLAN (TOPOGRAPHIC)

CONSULTANT	YYYY-MM-DD	2024-05-22
DESIGNED	GM	
PREPARED	####	
REVIEWED	CZ	
APPROVED	HS	

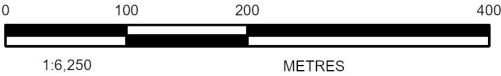


PROJECT NO.	CONTROL	REV.	FIGURE
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SCALE: 1:1,020,535

- LEGEND**
- PROJECT WORK
 - STUDY AREA
 - ADJACENT PROPERTY BOUNDARIES
 - PROPOSED DESIGN
 - WATERCOURSE (LAND INFORMATION ONTARIO, 2024)
 - WATERBODY (LAND INFORMATION ONTARIO, 2024)



NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

- REFERENCE(S)**
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
 2. BASE MAP: ESRI, © OPENSTREETMAP CONTRIBUTORS, HERE, GARMIN, FAO, USGS, EPA, EPA, NPS, AAFC, NRCAN, MAXAR
 3. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT
KERRY T. HOWE ENGINEERING LIMITED

PROJECT
KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE REPORT

TITLE
SITE LOCATION PLAN (IMAGERY)

CONSULTANT	YYYY-MM-DD	2024-05-22
DESIGNED	GM	
PREPARED	####	
REVIEWED	CZ	
APPROVED	HS	



PROJECT NO. CA0027600.1220 CONTROL 0001 REV. A FIGURE 2

2 METHODOLOGY

2.1 Regulatory Requirements

The requirements to consider cultural heritage in municipal class environmental assessments (MCEA) can be found in the *Environmental Assessment Act*.

2.1.1 Ontario Heritage Act

The *Ontario Heritage Act*, R.S.O. 1990, c.018, (OHA) provides a framework for the protection of cultural heritage resources in Ontario. It gives municipalities and the provincial government powers to protect heritage properties and archaeological sites. The OHA includes two regulations for determining CHVI: Ontario Regulation (O. Reg.) 9/06 and O. Reg. 10/06. O. Reg. 9/06 provides criteria to determine the cultural heritage value or interest (CHVI) of a property at a local level while O. Reg. 10/06 provides criteria to determine if a property has CHVI of provincial significance.

2.1.2 Environmental Assessment Act

The *Environmental Assessment Act*, R.S.O. 1990 (EAA; Government of Ontario 1990b) applies to governments and public bodies. The purpose of the EAA is “the betterment of the people of the whole or any part of Ontario by providing for the protection, conservation and wise management, in Ontario, of the environment.” The EAA defines environment broadly to include the built and cultural environment and outlines a planning and decision-making process to ensure that potential environmental effects are considered before a project begins.

To account for potential environmental effects to identified BHRs and CHLs WSP uses the following approach for each Schedule MCEA:

Schedule A: No additional buffer added to the Study Area for Schedule ‘A’ MCEA projects given the low potential for impacts on BHRs and CHLs.

Schedule A+: No additional buffer added to the Study Area for Schedule ‘A+’ MCEA projects given the low potential impacts on BHRs and CHLs.

Schedule B: An additional 25 metres buffer to the Study Area to capture potential adverse impacts to BHRs and CHLs.

Schedule C: An additional 50 metres buffer to the Study Area to capture potential adverse impacts to BHRs and CHLs.

2.1.3 Provincial Policy Statement (2020)

The PPS provides policy direction on matters of provincial interest related to land use planning and development in Ontario. Section 2.6 of the PPS outlines policies pertaining to cultural heritage and archaeology:

2.6.1 Significant built heritage resources and significant cultural heritage landscapes shall be conserved.

- 2.6.5 Planning authorities shall engage with Indigenous communities and consider their interests when identifying, protecting and managing cultural heritage and archaeological resources.

2.1.4 A Place to Grow: Growth Plan for the Greater Golden Horseshoe (2020)

A Place to Grow: Growth Plan for the Greater Golden Horseshoe (Government of Ontario 2020b) (Growth Plan) provides land-use planning direction for growth and development in the Greater Golden Horseshoe area. The Niagara Escarpment Plan, the Oak Ridges Moraine Conservation Plan, and the Greenbelt Plan work within the framework set out by the Growth Plan for where and how future population and employment growth should be accommodated. Policies related to the management of cultural heritage resources are outlined in Section 4.2.7:

- 1) Cultural heritage resources will be conserved in order to foster a sense of place and benefit communities, particularly in strategic growth areas.

2.1.5 Greenbelt Plan

A portion of the Study Area is located within the policy area of the Greenbelt Plan (May 2017). The Greenbelt Plan protects agricultural lands, water resources, and natural areas in the Greater Golden Horseshoe region. A portion of the Study Area is identified as “Protected Countryside” within Schedule 1 of the Greenbelt Plan and “Niagara Peninsula Tender Fruit and Grape Area” and “Towns/Villages” within Schedule 2 of the Greenbelt Plan. Policies pertaining to cultural heritage resources on lands within the Protected Countryside are outlined in Section 4.4:

- 1) Cultural heritage resources shall be conserved in order to foster a sense of place and benefit communities.

2.1.6 Niagara Escarpment Plan

A portion of the Study Area is located within the policy area of the Niagara Escarpment Plan, effective June 1, 2017 (office consolidation April 5, 2021). The portion of the Study Area within the policy area of the Niagara Escarpment Plan is designated as “escarpment rural area,” “escarpment protection area,” and “escarpment natural area.” Section 2.10 contains policies pertaining to cultural heritage. As the Project is not considered “development” the following is provided for information purposes:

The objective is to conserve the Escarpment’s cultural heritage resources, including significant built heritage resources, cultural heritage landscapes, and archaeological resources.

- 2) Where proposed development is likely to impact cultural heritage resources or areas of archaeological potential, the proponent shall undertake a heritage impact assessment and/or archaeological assessment. The proponent must demonstrate that heritage attributes will be conserved through implementation of proposed mitigative measures and/or alternative development approaches.

2.1.7 Niagara Region Official Plan

The Niagara Region Official Plan (2022, consolidated April 2023) sets the direction for growth and development across the 12 local municipalities within the region. The Study Area is identified as “settlement areas,” “urban areas” and “Niagara Escarpment Plan Area.” Policies applicable to the undertaking are provided:

5.1.5.10 As part of the construction, optimization, or expansion of transportation infrastructure within the Region’s agricultural area and integrated natural environment system, the Region will require, where applicable:

c. the preparation of an assessment on the impact on archeology and/or cultural heritage in accordance with the policies in Sections 6.4 and 6.5 respectively

5.2.1.8 Infrastructure will be planned through the appropriate environmental assessment process, ensuring full regard for the natural environment system, cultural heritage resources and natural hazard areas of the region

5.2.6.8 The Region will continue to advise utility providers of the need to:

b. review the region-wide inventory of cultural heritage resources and areas of archaeological potential prior to undertaking construction, demolition, or maintenance projects;

c. mitigate any impacts on cultural heritage resources including archaeological resources through acceptable conservation measures;

d. place equipment and devices in locations which do not detract from the visual character of cultural heritage resources and do not have a negative impact on the architectural integrity of these resources; and

6.5.1.1 Significant cultural heritage resources shall be conserved in order to foster a sense of place and benefit communities, including First Nations and Métis communities.

6.5.1.5 Development and site alteration on protected heritage property or adjacent lands shall not be permitted, except where the proposed development and site alteration has been evaluated through a heritage impact assessment and it has been demonstrated that the heritage attributes of the protected heritage property will be conserved.

2.1.8 Town of Lincoln Official Plan

The long-term vision for the future of the Town of Lincoln is guided by the 2016 Official Plan (Official Plan) (office consolidation December 2018). Portions of the Study Area are identified as “specialty agricultural,” “environmental conservation,” and “urban area” according to Schedule A1 of the Official Plan. The portion of the Study Area located within the urban area boundaries contains “parks and open space,” “residential,” and “general commercial” uses according to Schedule A2 of the Official Plan. The southern portion of the Study Area is located within the policy area of the Niagara Escarpment Plan Area. The Study Area is not located within the policy area of a secondary plan or a site and area-specific policy. Part 8 Community Design Guidelines of the Official Plan contains applicable policies for the conservation and protection of cultural heritage resources:

(d) The Town will require a Heritage Impact Assessment to be conducted by a qualified professional whenever a development or other proposal has the potential to affect a cultural heritage resource.

(e) Proposals to alter, demolish or erect a structure on any designated or listed property, located adjacent to a designated or listed property or located within a Heritage Conservation District shall be subject to the preparation of a Heritage Impact Assessment that will be submitted to the Town for review and approval.

(f) Where the Town has required a Heritage Impact Assessment, the resource(s) concerned will automatically receive temporary protection from alteration/demolition until the Assessment is completed to the satisfaction of the Town

(i) Development and site alteration shall not be permitted on adjacent lands to a protected heritage property except where the proposed development has been evaluated and it has been demonstrated that the heritage attributes of the heritage property will be conserved.

(m) The Town shall ensure cultural heritage resources are conserved when undertaking municipal public works projects impacting municipally owned properties such as roads and infrastructure projects, carried out under the Municipal Class Environmental Assessment (EA) process. When necessary, the Town will require heritage impact assessments and other satisfactory measures to mitigate any negative impacts affecting identified cultural heritage resources located on municipally owned properties or from a municipally driven undertaking.

2.2 Guidance Documents

The Ministry of Citizenship and Multiculturalism (MCM) is responsible for the administration of the OHA and has developed checklists, information bulletins, standards and guidelines, and policies to support the conservation of Ontario's cultural heritage resources, including BHRs, CHLs, and archaeological sites. For cultural heritage, the Criteria for Evaluating Potential for Built Heritage Resources and Cultural Heritage Landscapes: A Checklist for the Non-Specialist is utilized to determine if project areas/properties have either known or potential CHVI. The Checklist includes screening criteria for local or Indigenous knowledge (MCM 2022).

The MCM Ontario Heritage Tool Kit provides guidance and information on the heritage conservation process in Ontario (MCM 2006a). MCM InfoSheet#5: Heritage Impact Assessment and Conservation Plans of the Ontario Heritage Tool Kit was used to guide the general preparation of this report (MCM 2006b).

2.3 Background Research

Background research on the Study Area was conducted to gain a high-level understanding of the historical context. Primary sources, secondary sources, historical maps, and aerial photographs were consulted, as appropriate, to identify historical themes relevant to the Study Area. Specifically, research regarding the physiography, Indigenous history, survey and settlement, and 19th- and 20th-century land use of the Study Area was completed. A review of historical mapping and aerial photographs was also conducted to identify settlements, structures, and landscape features within, and adjacent to, the Study Area. Historical maps

and aerial imagery from 1862, 1878, 1907, 1928, 1934, 1960, 1994, and 2010 as well as recent Google Earth imagery were reviewed to identify changes within, and adjacent to, the Study Area.

The results of the background research are presented in Section 3 of this report.

2.4 Information Gathering

Information gathering was carried out to identify known and potential BHRs and CHLs in the Study Area. For this Cultural Heritage Report, WSP contacted the Town of Lincoln, MCM, and OHT via email and/or phone to determine the presence of listed, designated, or protected heritage properties within the Study Area.

The results of the information-gathering activities are presented in Section 4.1 of this report.

2.5 Field Review

A field review of the Study Area was completed to identify known and potential BHRs and CHLs. During the field review, the 40-year “rule of thumb” was used to identify properties with the potential to have CHVI. The 40-year rule is generally accepted by federal and provincial agencies as a preliminary screening measure for CHVI. It should be noted, however, that the 40-year threshold is a guide only and does not imply that all properties with buildings or structures 40 years or older have CHVI, nor does it assume that buildings or structures less than 40 years old do not have CHVI.

The results of the field review are presented in Section 4.2 of this report.

2.6 Inventory of Built Heritage Resources and Cultural Heritage Landscapes

After completing the background research, information gathering, and field review, an inventory of BHRs and CHLs within the Study Area (the Inventory) was compiled. A high-level description of each BHR and CHL is provided as a basis for understanding the potential CHVI and evaluating preliminary impacts.

The Inventory is presented in Section 4.3 of this report.

2.7 Preliminary Impact Assessment

A preliminary impact assessment was completed to identify the direct or indirect impacts of the proposed work on the CHVI of the inventoried BHRs and CHLs. The impact assessment for this CHVI was prepared using the impact examples provided in the MCM InfoSheet #5: Heritage Impact Assessment and Conservation Plans (InfoSheet #5) (MCM 2006b). The results of the preliminary impact assessment and recommended mitigation measures are presented in Section 5.

3 BACKGROUND RESEARCH

3.1 Indigenous History

The following section is a high-level summary of the rich history of Indigenous Nations who fished, hunted, trapped, and harvested the lands and waters presently known as the Town of Lincoln. WSP is committed to gathering Indigenous perspectives on Ontario history to continually improve our understanding of cultural heritage resources that may have significance to Indigenous Nations.

Approximately 13,000 years ago at the end of the last ice age, the retreating glaciers deposited materials and meltwater across the landscape forming many of the waterways within Southern Ontario. Following the retreat of the glaciers approximately 11,000 years ago, archaeological evidence identifies the presence of human communities who moved seasonally around the Great Lakes region. The Study Area contains creeks that flow from the Niagara Escarpment as a part of the Great Lakes – St. Lawrence River Watershed.

Michi Saagiig and Chippewa's oral histories recount the Ojibwe's presence within this portion of Ontario for thousands of years. Since at least 4,900 years ago, people have fished and gathered around the rivers (Turner 2002). Over 1,000 years ago, the Seneca Nation began visiting Niagara and recalled stories about Niagara Falls as a place of power and of the benevolent Thunder Beings who lived behind the falls (Empathic Traditions 2020). Stories from the Anishnaabe recalled Niagara Falls as the place where the Three Fire Confederacy (an alliance comprised of Ojibwe (Chippewa'ag, Michi Saagiig Nishnaabeg, and Nipissing Nishnaabeg), Bodewadmi, and Odawa Nishnaabeg) was formed (Empathic Traditions 2020). During the Late Woodland Period (between 800-1000 AD), groups of people later known as the Wendat (Huron - the Wendat language is part of the Iroquoian linguistic family) came to Ontario and asked for land from the Three Fire Confederacy. The Wendat established villages, a corn-growing economy, and were friendly with the Anishnaabe (Curve Lake First Nation 2014; Migizi 2018). "The Michi Saagiig made Treaties with these peoples and permitted them to stay as visitors in these lands. Wampum was made to record these contracts and these contracts would be renewed annually" (Curve Lake First Nation 2024).

The Study Area forms part of a historic network of Indigenous trails that ran parallel to major waterways, offering travellers transportation flexibility to traverse in both directions (Burghardt 1969). King Street was paved over a major Indigenous arterial trail identified as the "Iroquois Trail" (it is unknown if Indigenous communities that utilized the trail had a name for the route), likely a significant east-west route that spanned eastern North America before colonization (Image 1). Within the Study Area, the segment of the Iroquois Trail follows the Niagara Escarpment with the "Mohawk Trail" above the escarpment (Burghardt 1969; Niagara GeoPark 2022). By the late 18th century, the Iroquois Trail was widened to accommodate wagon travel, with segments renamed as present-day Regional Road 81, comprising York Road in Queenston, St. David's, St. Paul's Street, and King Street after the intersection at Nine Street in Louth. The trail provided ease of navigation from Niagara and St. Catharines, along "well drained land close to Lake Ontario to Hamilton, Toronto, and Detroit" and the development of towns along the Iroquois Trail benefited greatly from this east-west passage (Burghardt 1969, 434).

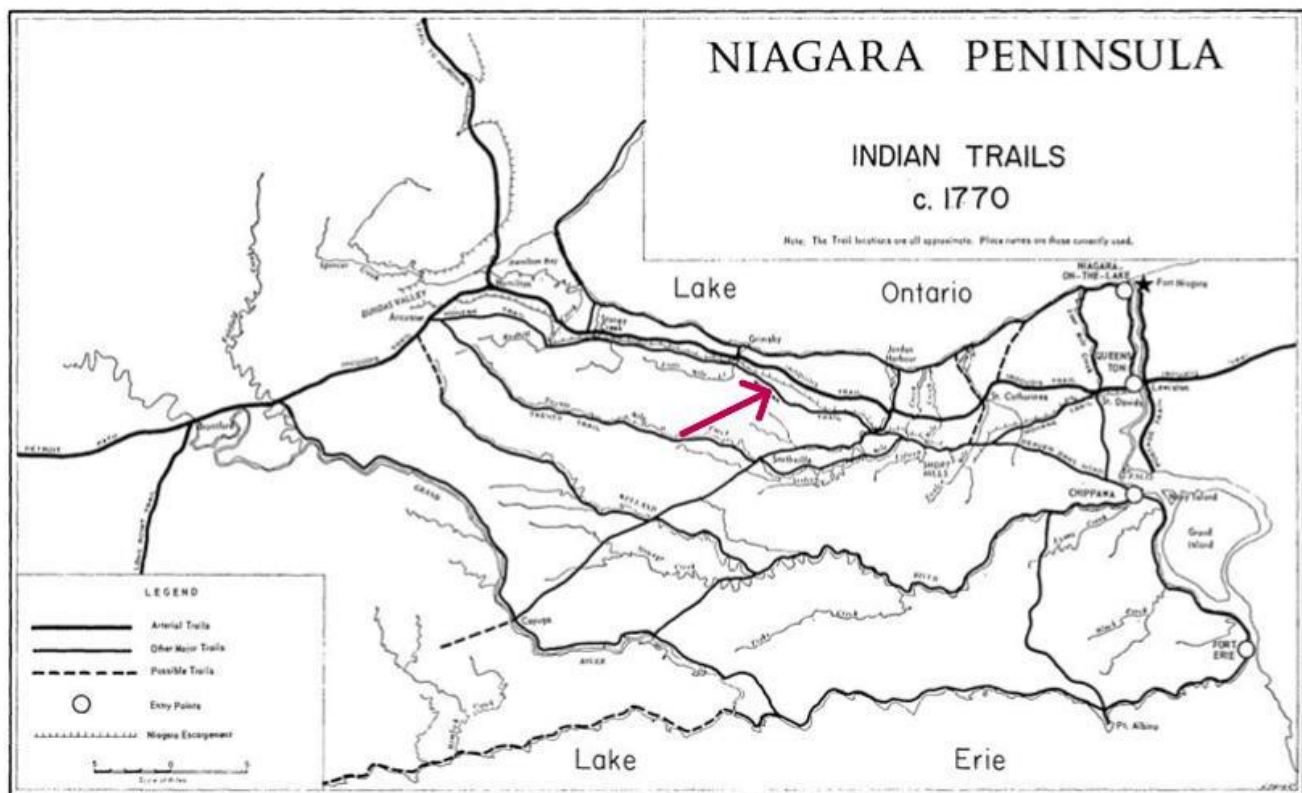


Image 1: Diagram depicting the approximate network of Indigenous trails in the Niagara Peninsula before colonization. The approximate location of the Study Area is identified by a red arrow.

During the 18th century, the British colonial regime entered into a series of treaties with the Indigenous Nations in Canada. While these treaties were intended as formal legally binding agreements that would set out the rights, responsibilities and relationships between Indigenous Nations and the federal and provincial governments, the government of Ontario acknowledges that Indigenous Nations may have different understandings of the treaties (Government of Ontario 2022, Historica Canada 2021). As French and British encroachment increased from the early 19th century onwards, Indigenous ways of life adapted to the change in complex and varied ways.

After defeating the French in the Seven Years' War, the British opened negotiations with numerous Indigenous communities in an attempt to solidify their influence and alliances over the territory that would become Canada. The 1763 Royal Proclamation was designed to prevent further unofficial incursions and land transactions in Indigenous-controlled territory (Talking Treaties Collective 2022:78). To ratify the Proclamation with communities living in the Great Lakes Region, British colonial official Sir William Johnson convened a Treaty Council with twenty-four communities at Fort Niagara in 1764. After a month of negotiations, the communities agreed to a "grand peace and alliance" with the Crown, one that extended the 1667 Covenant Chain agreement between the Haudenosaunee and British to the Western Alliance Nations including the Anishinaabeg and Nadowek Wyandot (Talking Treaties

Collective 2022:79-86). The 1764 Treaty of Niagara was visually represented in the 1764 Great Covenant Chain Wampum Belt and the 24 Nations Wampum Belt, which were to serve as a record that any future agreements between the communities and Crown must be negotiated through Treaty and as equals (Talking Treaties Collective 2022:86-87).

3.1.1 Between The Lakes Purchase (Treaty No. 3) and The Haldimand Proclamation

In 1783, following the American Revolution (1775-1783) and the independence of the Thirteen Colonies from the British Crown, many refugees loyal to the British Crown began moving into southern Ontario. The migration created a greater demand for land to settle (Shanahan 2019; Friends of Lincoln's History 2024). Amongst the refugees were the United Empire Loyalists (American colonist who supported the British during the conflict [Dow and Scott 2021]), members of the Six Nations, and freed and enslaved Black people. In 1784, Treaty No. 3 "Between the Lakes Purchase" was first negotiated between the British Crown and certain Mississauga peoples (the Mississaugas of the Credit First Nation are the present-day treaty holders). The 1784 Treaty describes all the land "lying and being between the Lakes Ontario and Erie" and encompasses approximately three million acres (Hamilton Civic Museum 2024). As part of the initial negotiation, Governor General Frederick Haldimand declared that members of "Mohawk Nation and such others of the Six Nation Indians as wish to settle in that quarter to take possession of and settlement upon the Banks of the River commonly called Ouse or Grand River, running into Lake Erie" (excerpts from the Proclamation Text, retrieved from Hamilton Civic Museum 2024). The Proclamation resulted in the creation of the Haldimand Tract, approximately 550,000 acres of the three million acres as outlined in the 1784 Treaty, or six miles on each side of the Grand River (Six Nations Land & Resource Department 2019). On December 7, 1792, an amendment was made to Treaty No. 3 to reflect the lands inaccurately described in the 1784 Treaty text. The present-day boundaries of Treaty No. 3 encompass the lands between the cities of Guelph and Port Colborne (Government of Ontario 2024).

3.2 Township History

The Study Area is located within part of lots 16-22, Concessions 2-3, former Clinton Township, County of Lincoln, Nassau District (later within the United Counties of Lincoln, Welland, and Wentworth).

3.2.1 18th-19th Century Township History

By the late 18th century, the Iroquois Trail was widened from trail width to a width sufficient for wagon travel and colonists from Pennsylvania began immigrating from the United States on conestoga wagons (Burghart 1969; Friends of Lincoln's History). In the 1780s, before the abolition of slavery in British North America, the early development of successful farmsteads in the Niagara Region was tied to free, Black labour (Linzel 2020). By 1791, nearly three hundred Black slaves inhabited the region and cleared the land, removed tree stumps, powered the fields, and planted and harvested wheat, creating a wheat and economic surplus for farms in the Niagara Region and fulfilling the settlement conditions of early land grants (Linzel 2020). Within the same period, the Mississaugas were the largest producer of fish in Niagara and engaged in commercial activities with the United Empire Loyalists. Both Mississauga and Six Nation members operated as messengers and hunting guides (Linzel 2020).

In 1789, the Land Board of the Nassau District retained surveyor Augustus Jones to survey the lands contained within Treaty No. 3. The lands were divided into counties, then townships. In 1790, Jacob Beam and William W. Kitchen constructed a grist mill on Lot 22, Concession 2, on the Thirty Mile Creek. In 1792, Lieutenant Governor John Graves Simcoe named the county that the Study Area is situated within “Lincoln County” after Lincolnshire in England. In 1798, Clinton Township was enacted, amongst other townships in the area, as the first riding of the County of Lincoln (Friends of Lincoln’s History 2024). Within the same year, Beam was granted 200 acres on Lot 15 Concession 3 and Concession 4, southeast of present-day Beamsville (Friends of Lincoln’s History 2024). A village formed around the Beam farmstead on Lot 15, Concession 3, which was later named “Beamsville” in his honour (Mika and Mika 1977, 156). The earliest colonial settlers within Clinton Township were United Empire Loyalist settlers and Quakers from Pennsylvania. The earliest industries in Beamsville were mills, tanneries, blacksmith shops, a foundry, and a wagon shop.

From the early 19th to 20th century, Beamsville and Clinton Township were a rural agricultural community seated on the Niagara Escarpment. The lands between Lake Ontario and the Niagara Escarpment to the south were purchased for farming and tender fruits, while the land on the escarpment was preferred for growing grapes (Friends of Lincoln’s History 2024). By 1827, stagecoaches ran along Queenston Stone Road (now Regional Road 81) through Beamsville. In 1853, the Grand Trunk Railway was constructed south of the Study Area, and the community expanded, forming a village in 1879.

As seen in mapping between 1862 and 1876, a consistent typology of cultural heritage landscapes began emerging. The cultural heritage landscape generally comprises a lot with a wide street frontage with a farmhouse surrounded by orchards or vineyards, or farmhouses with accompanying agricultural buildings and fields (Image 2).



Image 2: Illustration of “Balbegno,” present-day 5358 King Street, as seen on the 1862 Tremaine’s map (Tremaine 1862).

3.2.2 20th and 21st Century Township History

In the early 20th century, there was a growing industrial and service economy outside of agriculture. From 1870 to 1978, the Beamsville Brick and Terra Cotta Co. (later Grimsby Brick and Tile Company Ltd.) operated at north of the Study Area at approximately Highway 8 and Durham Road (Grimsby Brick and Tile Company 1931-1938) and produced pressed bricks that can be seen on buildings constructed in the late 19th to mid-20th century. At the same time, the early maps of the period depict an emerging typology of agricultural properties as a cultural heritage landscape, characterized by a farmhouse, barns, and organized rows of fruit trees or grape vines. These cultural heritage landscapes remain largely consistent within the Study Area until the mid-20th century. Between the 1950s and 1960s large agricultural lots were subdivided to create smaller residential lots with infill residential buildings constructed close to the street. In the 1980s, residential cul-de-sacs were planned in the surrounding area and are characterized by regular, rectangular lots with frontages on curvilinear streets.

3.3 Previous Investigations

3.3.1 Beamsville Heritage Conservation District (Ongoing)

In March 2022, the Town of Lincoln retained AECOM Canada Ltd., to complete a Heritage Conservation District (HCD) Study for the proposed Beamsville HCD. The Beamsville HCD Study includes the properties along King Street and intersecting roads, generally located between Lincoln Avenue to the west and Bartlett Road to the east. The HCD Study concludes that the area has cultural heritage value or interest and recommends designation under Part V of the OHA (AECOM 2023). Town Council considered the Beamsville HCD Study on November 27, 2023, and motioned to proceed with the the HCD Plan. As of the issuance of this Cultural Heritage Report, the Beamsville HCD has not yet been designated under Part V of the OHA.

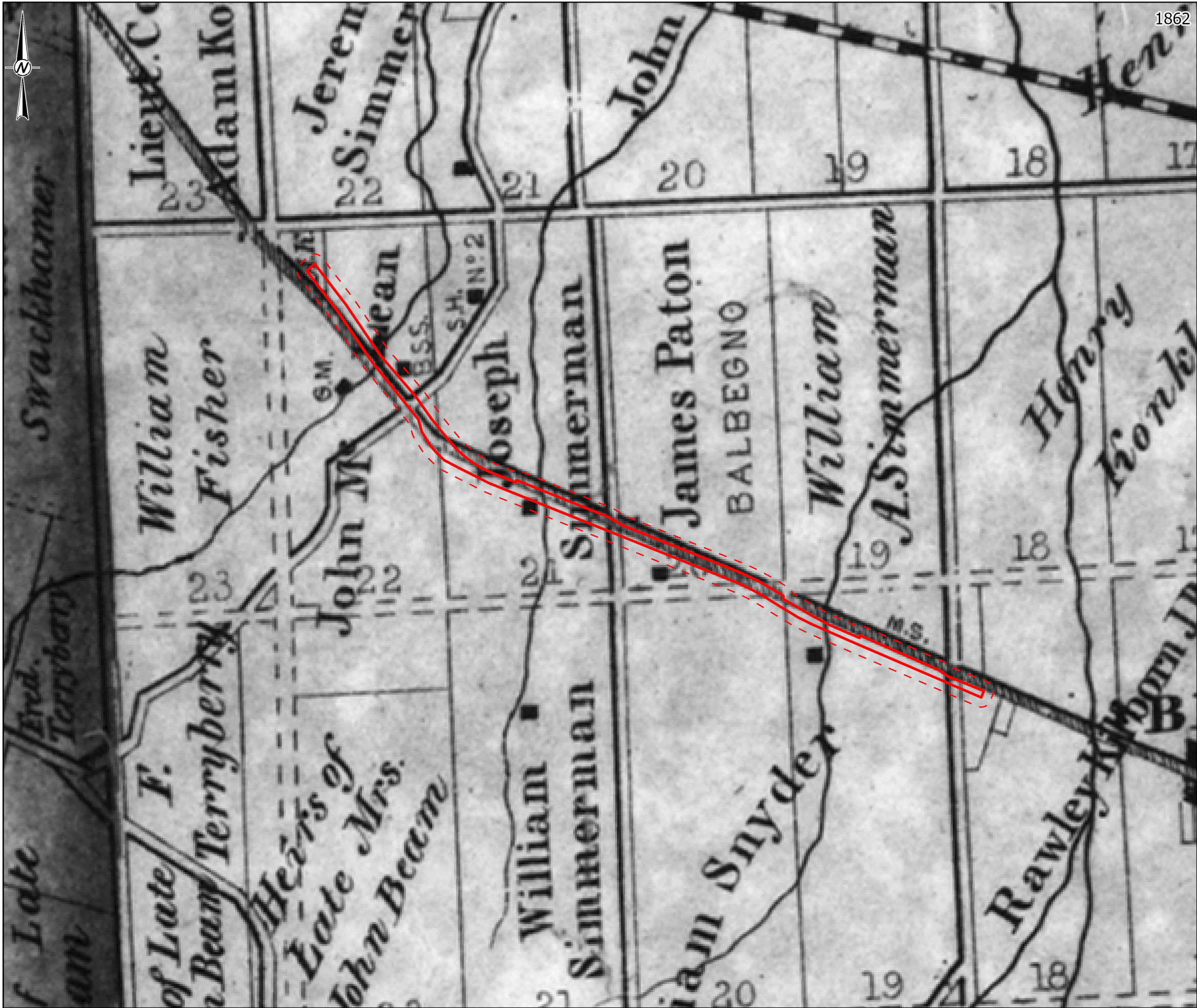
WSP confirmed with the Town of Lincoln that policies and guidelines pertaining to the HCD Plan have yet to be prepared (Town of Lincoln 2024a).

3.4 Review of Historical Maps and Aerials

A review of 19th- and 20th-century historical maps and historical aerial photographs was completed to gain an understanding of the evolving land use in the Study Area. A summary of the historical map review is presented in Table 1 and historical maps and aerial images are presented in Figure 3 to Figure 7.

Table 1: Review of Historical Mapping and Aerial Photographs

Figure No.	Visual Resource	Description
Figure 3	1862 Tremaine's Map of Ontario County	Present-day King Street (then known as Queenston Stone Road), Thirty Road, Mountainview Road, and Lincoln Avenue appears on the 1862 map of the Study Area. Structures are depicted on Concession 2, lots 20 (present-day 5358 King Street), 21 (present-day 5432 King Street), and 22 (4502 Thirty Road), and Concession 3, Lot 19. A grist mill is identified along Thirty Mile Creek on Concession 2, Lot 22.
Figure 4	1876 Illustration Historical Atlas of the County of Lincoln and Welland	Between 1862 and 1876, the large lots were subdivided, and buildings were constructed fronting the street. The map illustrates an emerging typology of a farmhouse surrounded by organized rows of trees.
Figure 5	1907 Topographical Map	The 1907 topographical map depicts increased residential construction along King Street and Lincoln Avenue
Figure 5	1929 Topographical Map	Minimal changes occurred between 1907 and 1929.
Figure 6	1934 Aerial Imagery	The 1934 aerial imagery of the Study Area depicts continued land divisions. The image shows a consistent pattern of lots with organized rows of plantings (fruit orchards or vineyards) with minimal tree cover. The land parcels are divided by rows of plantings.
Figure 6	1960 Aerial Imagery	Between 1934 and 1960, King Street appears to have been widened. A row of trees were planted on the south side of King Street between Thirty Road and Lincoln Avenue. The image depicts the clearing of land between Thirty Road and Mountainview Road for construction. Buildings were constructed along Lincoln Avenue, north of the Study Area.
Figure 7	1994 Aerial Imagery	Between 1960 and 1994, residential subdivisions with curvilinear streets were constructed northeast of the Study Area. Within the Study Area, select buildings demolished and new buildings constructed.
Figure 7	2010 Aerial Imagery	Minimal changes occurred between 1994 and 2010.



LEGEND

PROJECT WORK

STUDY AREA

NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. BASE MAP: LINCOLN COUNTY 1862 COUNTY LINES, UNIVERSITY OF TORONTO MAP AND DATA LIBRARY
3. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT

KERRY T. HOWE ENGINEERING LIMITED

PROJECT

KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE REPORT

TITLE

1862 HISTORICAL COUNTY MAP OF LINCOLN COUNTY

CONSULTANT	YYYY-MM-DD	2024-05-22
DESIGNED	GM	
PREPARED	####	
REVIEWED	CZ	
APPROVED	HS	

PROJECT NO. CA0027600.1220 CONTROL 0001 REV. A FIGURE 3



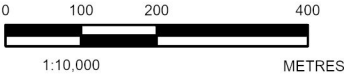
1876



SCALE: 1:1,020,535

LEGEND

- PROJECT WORK
- STUDY AREA



NOTE(S)

- 1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

- 1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
- 2. BASE MAP: LINCOLN AND WELLAND COUNTY MAP, 1876, MCGILL UNIVERSITY
- 3. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT

KERRY T. HOWE ENGINEERING LIMITED

PROJECT

KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE REPORT

TITLE

1876 ILLUSTRATED HISTORICAL ATLAS OF THE COUNTIES OF LINCOLN & WELLAND, ONT. COMPILED, DRAWN AND PUBLISHED BY H.R. PAGE. TORONTO

CONSULTANT



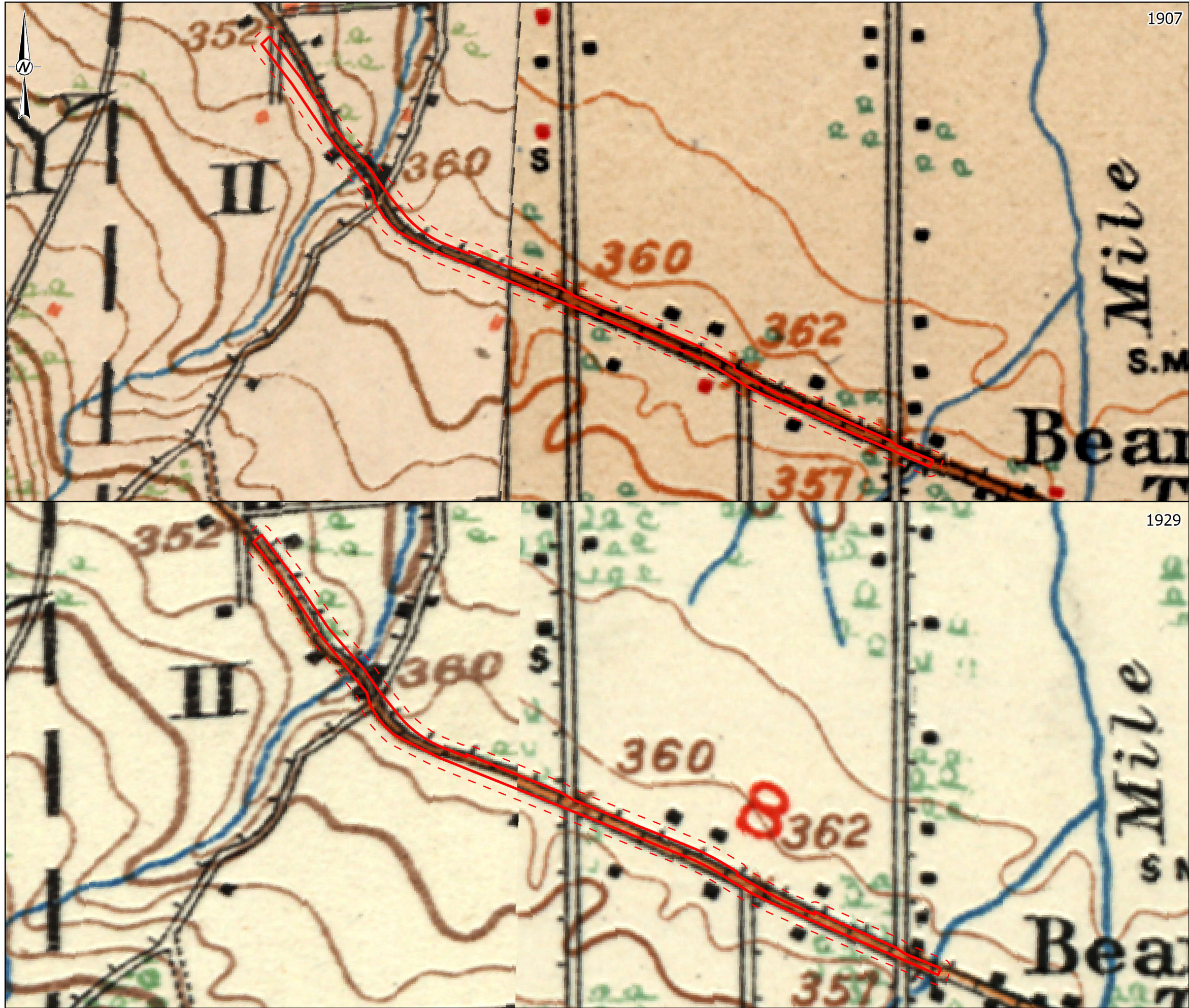
YYYY-MM-DD	2024-05-22
DESIGNED	GM
PREPARED	####
REVIEWED	CZ
APPROVED	HS

PROJECT NO.
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CONTROL
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REV.
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FIGURE
4



- LEGEND**
- STUDY AREA
 - PROJECT WORK

NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

- REFERENCE(S)**
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
 2. BASE MAPS: 1907, 1928, AND 1929 NIAGARA REGION TOPOGRAPHIC MAP
 3. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT
KERRY T. HOWE ENGINEERING LIMITED

PROJECT
KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE REPORT

TITLE
HISTORICAL TOPOGRAPHIC MAP (1907 AND 1929)

	CONSULTANT	YYYY-MM-DD	2024-05-22
	DESIGNED	GM	
	PREPARED	####	
	REVIEWED	CZ	
	APPROVED	HS	

PROJECT NO.	CONTROL	REV.	FIGURE
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1934



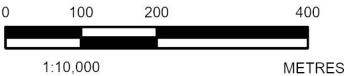
SCALE: 1:1,020,535

LEGEND

- PROJECT WORK
- STUDY AREA



1960



NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. BASE MAPS: 1934 AND 1960 AERIAL IMAGERY, SCHOLAR'S GEO PORTAL
3. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT
KERRY T. HOWE ENGINEERING LIMITED

PROJECT
KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE
REPORT

TITLE
HISTORICAL AIR PHOTOS OF NIAGARA REGION (1934 AND
1960)

CONSULTANT	YYYY-MM-DD	2024-05-22
	DESIGNED	GM
	PREPARED	####
	REVIEWED	CZ
	APPROVED	HS



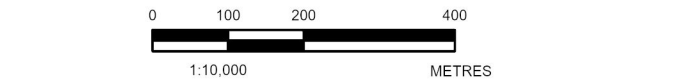
PROJECT NO.	CONTROL	REV.	FIGURE
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LEGEND

PROJECT WORK

STUDY AREA



NOTE(S)

1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. BASE MAPS: 1994 AND 2010 AERIAL IMAGERY, SCHOLAR'S GEO PORTAL
3. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT

KERRY T. HOWE ENGINEERING LIMITED

PROJECT

KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE REPORT

TITLE

HISTORICAL AIR PHOTOS OF NIAGARA REGION (1994 AND 2010)

CONSULTANT	YYYY-MM-DD	2024-05-22
	DESIGNED	GM
	PREPARED	####
	REVIEWED	CZ
	APPROVED	HS



PROJECT NO.	CONTROL	REV.	FIGURE
CA0027600.1220	0001	A	7

4 RESULTS

4.1 Information Gathering and Engagement

The Town of Lincoln, MCM, and OHT were consulted to gather information on the Study Area. The information received is summarized in Table 2.

As part of the overall MCEA, the project team engaged with the Haudenosaunee Development Institute (HDI), the Mississaugas of the Credit First Nation (MCFN), and Six Nations of the Grand River's Elected Council.

Table 2: Agency Data Requests

Contact Name/ Position	Contact Information	Contact Dates	Information Received
Monika Cocchiara, Manager of Planning & Development Town of Lincoln	mcocchiara@lincoln.ca	April 9, 2024 April 12, 2024; response April 19, 2024	WSP called the Town of Lincoln on April 9, 2024, and Monika Cocchiara provided updates on the under-study Beamsville HCD. Cocchiara noted that the Town has an internal document containing additional information on the listed heritage properties. On April 12, WSP sent an information-gathering letter and requested the internal document and received a copy on April 19. On April 12, WSP requested the Town to confirm that 5563 Greenlane, 5575 Greenlane, and 5600 King Street are not considered adjacent to the Study Area. On April 19, Cocchiara confirmed that the properties are not considered adjacent.
Courtney Kovacich, Provincial Heritage Registrar OHT	Registrar@heritagetrust.on.ca	April 15, 2024; response April 17, 2024	The OHT confirmed that the Study Area does not contain nor is adjacent to any properties subject to a Trust easement, Trust ownership, or provincial plaque.
Karla Barboza, Cultural Heritage Lead MCM	registrar@ontario.ca	April 15, 2024; response April 22, 2024	To date, no properties have been designated by the Minister. The MCM is not aware of any provincial heritage property within or adjacent to the study area.

4.2 Field Review Results

The field review of the Study Area was completed by WSP Cultural Heritage Specialist Chelsey Tyers (Collins) on April 5, 2024. The Study Area comprises predominantly residential and agricultural uses.

4.2.1 King Street

The segment of King Street within the Study Area is a two-lane road with wide, gravel shoulders. The street follows a diagonal alignment, providing northwest-to-southeast vehicular access. The ROW on the north and south sides of the street are generally treed (Image 9).

Properties that front King Street have wide frontages with buildings set back from the street. The buildings within the Study Area range from 19th to early 20th-century low-rise buildings surrounded by agricultural fields and trees (Image 4), to mid-century low-rise residential infill (Image 5), and low-rise commercial buildings (Image 6). At the rear of select buildings are auxiliary structures, and organized plantings or pollard trees.

Between approximately Thirty Road and Lincoln Avenue, there is a grade change with buildings situated on the south side of the street elevated in relation to King Street (Image 8). The buildings are screened by vegetation.



Image 3: Looking southeast from Greenlane and King Street



Image 4: Looking northwest from 5477 King Street. On the right are organized plantings and pollard trees



Image 5: Looking north towards an infill residential building with mid-century architectural influences



Image 6: Looking north from King Street and Lincoln Avenue



Image 7: Looking west from King Street and Thirty Road showing the grade change



Image 8: Looking west along King Street, buildings on the south side of King Street are raised in relation to the street and screened by vegetation



Image 9: Looking east from King Street between Lincoln Avenue and Mountainview Road. A treeline is situated on the north side of the street with a vineyard beyond

4.2.2 Beamsville Heritage Conservation District (Under Study)

A portion of the Study Area is situated within the proposed Beamsville HCD, which is currently under study and not yet designated under Part V of the OHA. The proposed Beamsville HCD is described as “properties along King Street between Lincoln Avenue and Bartlett Road, a corridor approximately 2 kilometres in length, and offshoots of King Street including William Street, Queen Street, Mountain Street, and Academy Street” (AECOM 2023:i). The segment of King Street within the Beamsville community is characterized by a two-lane street and properties with a narrow street frontage. Both sides of King Street have sidewalks. The proposed Beamsville HCD identifies the view southeast from King Street and Lincoln Avenue as a potential viewpoint (Image 10).



Image 10: Looking southwest at King Street and Lincoln Avenue towards Beamsville

4.3 Inventory of Built Heritage Resources and Cultural Heritage Landscapes

Following the completion of the background research, information gathering, and field review, an inventory of BHRs and CHLs within the Study Area was compiled (Table 3). The location of each BHR and CHL is depicted in Figure 8. Overall, a total of 22 heritage properties were identified. This includes:

- Nine properties listed on the Town of Lincoln Heritage Register;
- Five properties within the proposed Beamsville HCD; and
- Seven properties identified during the field review.

A high-level property description is included for each BHR and CHL to inform the preliminary impact analysis. The descriptions are based on observations made from the public right-of-way during field inspection and historical mapping or aerial photographs. Information provided by the Town of Lincoln and contained within the Beamsville HCD study (AECOM 2023) is excerpted where applicable.

Table 3: Inventory of Built Heritage Resources and Cultural Heritage Landscapes

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 1	CHL	5581 King Street	Identified during field review	The property is located on the north side of King Street and comprises an irregular, corner lot with a frontage on King Street. At the northwest corner of the lot is an one-and-a half storey, brick residence. South of the residence is an one storey outbuilding. The collection of buildings is surrounded by trees and agricultural fields with pollarded fruit trees. The building on-site is a one-and-a-half storey masonry building and displays elements typical of the Gothic Revival style of residential housing design. As seen from King Street, the west elevation is asymmetrical in design with flat-headed window openings and openings at the gable-end wall. A masonry chimney is located on the south elevation and extends above the ridgeline of the roof. The roofing material is asphalt shingles. According to the 1907 topographical map, a wood-framed building appears to be located within the footprint of the building on-site. Potential Heritage Value: This property may have potential CHVI for design or physical value as a representative example of a type of vernacular farmhouse building.	
CHR 2	BHR	5545 King Street	Listed on the Town of Lincoln's Heritage Register	The following is provided by the Town of Lincoln: “Attributes: ▪ White stucco façade. ▪ Entrance has white vinyl siding. ▪ Windows have been replaced over the years. ▪ Stone columns apart of front entrance. ▪ Tudor Revival style from exposed wood beams. Statement: This property was included in the register because it is a character supporting resource. It has contextual value as it maintains or supports the character of its setting with social, symbolic, or cultural landscape value. It is close to the downtown core of Beamsville in a roughly residential area close to the outskirts of town. It has design value because the style is notable, unique, representative of its time, and demonstrates a high degree of craftsmanship and artistic merit. It has undergone some degree of alteration” (Town of Lincoln 2024b:127). Potential Heritage Value: The Town of Lincoln has identified that this property may have CHVI for its contextual and design value.	

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 3	BHR	5536 King Street	Identified during field review	The property is located on the south side of King Street and comprises an irregular lot with a wide frontage on King Street. There are two buildings on-site, a low-rise building that appears to contain residential uses and a low-rise commercial building within the southern portion of the lot. The low-rise residential building is raised in relation to the street and obscured by trees and vegetation. As seen from King Street, the low-rise residential building on-site is clad in siding with flat-headed window openings on the north elevation. According to the 1870 map, a wood-framed building is located in the approximately same location as the building on-site. Potential Heritage Value: This property may have potential CHVI for design or physical value as a representative example of a type of vernacular residential building.	
CHR 4	BHR	5515 King Street	Listed on the Town of Lincoln's Heritage Register	The following is provided by the Town of Lincoln: “Attributes: ▪ Yellow siding with 9 over 9 sash windows and bay windows. ▪ 2 to 2.5 storeys. ▪ Soapbox style roof. Statement: This property was included in the register because it is a character defining resource. It has contextual value as it maintains or supports the character of its setting. It is close to the downtown core of Beamsville in a roughly residential area not level to the road. It has design value because the style is notable and representative of its time. It has undergone some degree of alteration” (Town of Lincoln 2024b:126). Potential Heritage Value: The Town of Lincoln has identified that this property may have CHVI for its contextual and design value.	 

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 5	BHR	5500 King Street	Identified during field review	The property contains an irregular corner lot located at the southwest corner of King Street and Thirty Road. The property contains a two-storey red brick residence and a one-and-a-half-storey detached garage at the rear. The buildings on-site are accessible by a driveway from Thirty Road. The north elevation appears symmetrical in design and is partially obscured by vegetation. The brick residence displays elements typical of the Colonial Revival style of residential housing design. As seen from King Street, the residence has a side gable profile with flat-headed windows on the north and east elevations. A portico with a pediment is affixed above the door opening on the north elevation. Chimneys are located on the east and west elevations. According to the 1907 map, a wood-framed building is located in the approximately same location as the masonry building on-site. Potential Heritage Value: This property may have potential CHVI for design or physical value as a representative example of a type of vernacular residential building.	
CHR 6	BHR	4502 Thirty Road	Listed on the Town of Lincoln's Heritage Register	The following is provided by the Town of Lincoln: “Attributes: ▪ House has a light yellow siding façade with hipped roof. ▪ Windows are 2 over 2 sash windows. ▪ The structure itself is 1.5 to 2 storeys and bottom floor windows have black shutters. ▪ Also bay window on front of the building facing King Street. ▪ Upper floor windows for the most part are 6 over 6 sash windows however some windows have been replaced with more modern windows. Statement: This property was included in the register because it is a character supporting resource. It has contextual value as it maintains or supports the character of its setting. Near forested area on outskirts of Beamsville. It has design value because the style is notable and representative of its time. It has undergone some degree of alteration” (Town of Lincoln 2024b:232). Potential Heritage Value: The Town of Lincoln has identified that this property may have CHVI for its contextual and design value.	

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 7	CHL	5477 King Street	Identified during field review	The property is located on the north side of King Street and contains a two-and-a-half-storey red-brick building and a one-storey, metal accessory building. The residence is partially obscured by a windbreak comprised of trees and vegetation. At the rear of the buildings are fruit trees. As seen from King Street, the residence appears symmetrical in design and displays elements typical of the Colonial Revival style of residential housing design. At the ground floor level is a porch that wraps around the west, south, and east elevations. At the second-floor level are three arched window openings with concrete sills. The roof is hipped with a gabled dormer on the south elevation. A one-storey addition is located on the east elevation and clad in siding. On the north elevation are two tall chimneys. The residence is depicted in the 1934 aerial photograph. Potential Heritage Value: This property may have potential CHVI for design or physical value as a representative example of a type of vernacular residential building.	
CHR 8	BHR	5432 King Street	Listed on the Town of Lincoln's Heritage Register	The following is provided by the Town of Lincoln: “Attributes: ▪ 12 pane windows. ▪ Verandah that wraps around left hand side. ▪ Looks to be Georgian Revival in style based on the symmetry in the design. ▪ Two chimneys, 1 on either side. ▪ Hipped roof. Statement: This property was included in the register because it is a character supporting resource. It has contextual value as it maintains or supports the character of its setting. It is close to the downtown core of Beamsville in a more rural setting. It has design value because the style is notable and representative of its time. It has undergone some degree of alteration” (Town of Lincoln 2024b, 125). Potential Heritage Value: The Town of Lincoln has identified that this property may have CHVI for its contextual and design value.	

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 9	BHR	5359 King Street	Identified during field review	The property is located on the north side of King Street and comprises an irregular lot with a two-and-a-half-storey residence. At the rear of the residence is a building with a metal roof and a detached building with a metal, gambrel roof. As seen from King Street, the residence appears symmetrical in design with a prominent hipped roof and a centered dormer. The residence displays elements typical of the Colonial Revival style of residential housing design. The building is clad in horizontal siding. The west, south, and east elevations contain flat-headed window openings and shutters. The roofing material is asphalt shingles. A wood framed building is depicted in the 1907 topographic map in the approximate location as the building on-site. The building on-site is depicted in the 1934 aerial photograph. Potential Heritage Value: This property may have potential CHVI for design or physical value as a representative example of a type of vernacular residential building.	
CHR 10	BHR	5358 King Street	Listed on the Town of Lincoln's Heritage Register	The following is provided by the Town of Lincoln: "Date of construction: 1910 Attributes: ▪ Windows look to be replacement windows. ▪ Wide verandah that runs along the front and then wraps around left side of the building. ▪ Gable roof. Statement: This property was included in the register because it is a character supporting resource. It has contextual value as it maintains or supports the character of its setting. It is close to the downtown core of Beamsville in a rural setting. It has design value because the style is notable and representative of its time. It has undergone some degree of alteration" (Town of Lincoln 2024b:124). Potential Heritage Value: The Town of Lincoln has identified that this property may have CHVI for its contextual and design value.	

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 11	BHR	5323 King Street	Identified during field review	The property is located on the north side of King Street and comprises an irregular lot with buildings located close to the northern property line. The property contains a one-and-a-half storey Gothic-Revival residence that is set back from the street and partially obstructed by trees. An outbuilding with a gramble roof is located at the rear along with a small shed. As seen from King Street, the residence is asymmetrical in design with an “L” shaped plan and flat-headed window openings. The building comprises a gable-front west wing and an east wing with a center gable. A sloping shed roof is located between the two wings. The roofing material is asphalt shingles. According to the 1907 map, a wood-framed building is located in the approximately same location as the building on-site. Potential Heritage Value: This property may have potential CHVI for design or physical value as a representative example of a type of vernacular residential building.	
CHR 12	BHR	5310 King Street	Listed on the Town of Lincoln's Heritage Register	The following is provided by the Town of Lincoln: “Date of construction: 1875 Attributes: ▪ Brick façade with hipped roof. Looks to be almost Georgian Revival in style. ▪ Windows are 4 pane windows. ▪ Looks to have replacement windows on additions to buildings structure. Statement: This property was included in the register because it is a character supporting resource. It has contextual value as it maintains or supports the character of its setting. It is on a hill close to the downtown core of Beamsville in a more rural area with close farmland. It has design value because the style is notable and representative of its time. It has undergone some degree of alteration” (Town of Lincoln 2024b:123). Potential Heritage Value: The Town of Lincoln has identified that this property may have CHVI for its contextual and design value.	
CHR 13	BHR	5220 King Street	Identified during field review	The property is located on the south side of King Street and comprises an irregular lot with a building located within the northern portion of the parcel. The property contains a one-and-a-half storey painted brick residence that is set back from the street. As seen from King Street, the residence displays elements typical of the Colonial Revival style of residential housing design. The residence has gambrel roof with a gable front profile. At the ground-floor level, a wood and masonry porch wraps around the west, south, and east elevations. The door and window openings are flat-headed openings. There are dormers on the east and west elevations. The roofing material is asphalt shingles. The building on-site is depicted in the 1907 historical map as a masonry building. Potential Heritage Value: This property may have potential CHVI for design or physical value as a representative example of a type of vernacular residential building.	

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 14	CHL	5210 King Street	Identified during field review	The property is located on the south side of King Street and comprises an irregular lot with a two-storey residence that is raised in relation to, and setback from, the street. The residence is surrounded by trees and vegetation. Within the front yard is a temporary wood structure and signage that reads “Theadora’s Orchard, est. 2009.” A gravel driveway along the east property line provides vehicular and pedestrian access to the residence. The property appears to contain residential and commercial uses. As seen from King Street, the residence is symmetrical in design and displays elements typical of the Colonial Revival style of residential housing design. The building has a prominent hipped roof with two masonry chimneys that extend above the ridgeline of the roof. The north elevation has flat-headed window openings and painted shutters within the eastern and western bays. The central bay contains a door opening with a decorative pediment and an octagonal opening at the second-floor level. The roofing material is asphalt shingles. The building on-site is depicted in the 1907 historical map as a wood building. Potential Heritage Value: This property may have potential CHVI for design or physical value as a representative example of a type of vernacular farmhouse building.	
CHR 15	BHR	5196 King Street	Listed on the Town of Lincoln’s Heritage Register	The following is provided by the Town of Lincoln: “Attributes: ▪ Yellow stucco siding for façade with small addition on the side with white vinyl paneling. ▪ Main building has 1 over 1 sash windows. ▪ Addition on side has 8 pane windows. Statement: This property was included in the register because it is a character supporting resource. It has contextual value as it maintains or supports the character of its setting and is a component of a grouping. It is close to the downtown core of Beamsville. It has design value because the style is notable and representative of its time. It has undergone some degree of alteration” (Town of Lincoln 2024b, 122). Potential Heritage Value: The Town of Lincoln has identified that this property may have CHVI for its contextual and design value. The building was described in the Beamsville HCD as an “Italianate” style building constructed between 1907 and 1920 (AECOM 2023:89 and 103).	

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 16	BHR	5195 King Street	Listed on the Town of Lincoln's Heritage Register	The following is provided by the Town of Lincoln: “Attributes: ▪ White vinyl siding with 1 over 1 sash windows. ▪ Windows have black shutters. Centre entranceway. ▪ Porch covered by roof extension. Roof is gable. ▪ Looks to be Georgian Revival. Statement: This property was included in the register because it is a character defining resource. It has contextual value as it maintains or supports the character of its setting and is a component of a grouping. It is close to the downtown core of Beamsville. It has design value because the style is notable and representative of its time. It has undergone some degree of alteration.” (Town of Lincoln 2024b, 121). Potential Heritage Value: The Town of Lincoln has identified that this property may have CHVI for its contextual and design value. The building is described in the Beamsville HCD as a “Georgian” style building, constructed between 1790 and 1819. The Beamsville HCD study identifies the building as “the original I.O.O.F. temple at 5195 King Street an 1820s Georgian style house” (AECOM 2023:89 and 103).	
CHR 17	BHR	5187 King Street	Under study as part of the proposed Beamsville HCD (not yet designated under Part V of the OHA))	The property is located on the north side of King Street and comprises an irregular lot with a narrow frontage and a one-storey residence that is set back from the street. The residence is asymmetrical in design, with a gable-front portion, a hipped roof central portion, and an attached garage that extends from the east elevation. The door and window openings are flat-headed openings. Potential Heritage Value: The building is described in the Beamsville HCD study as constructed between 1939 and 1959 in the “Mid-Century Modern” architectural style (AECOM 2023: 89 and 103).	
CHR 18	BHR	5186 King Street	Under study as part of the proposed Beamsville HCD (not yet designated under Part V of the OHA)	The property is located on the south side of King Street and comprises an irregular lot with a frontage on King Street, and a sideyard on Lincoln Avenue. The property contains a residence that is setback from King Street. The residence is a two storey building with a side gable profile and clad in siding. A one-storey extension is located on the east elevation and an attached garage extends from the west elevation. A chimney is located on the east elevation and extends above the ridgeline of the roof. The openings are flat-headed openings and the window openings within the main portion of the residence are flanked by decorative shutters. The roofing material is asphalt shingles. Potential Heritage Value: The building on-site is described in the Beamsville HCD as constructed between 1921 and 1938 in the “Revivals” style (AECOM 2023, 89, 103).	

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 19	BHR	5181 King Street	Under study as part of the proposed Beamsville HCD (not yet designated under Part V of the OHA)	The property is located on the north side of King Street and comprises an irregular lot with a one-storey building that is set back from the street. The residence is asymmetrical in design with a gable-front portion and a side-gable central portion. An attached garage extends from the west elevation. The door and window openings are flat-headed openings. A masonry chimney is situated on the east elevation and extends above the roof ridgeline. Potential Heritage Value: The building is described in the Beamsville HCD study as constructed between 1939 and 1959 in the “Mid-Century Modern” architectural style (AECOM 2023:89 and 103).	

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 20	BHR	5176 King Street	Listed on the Town of Lincoln's Heritage Register	The following is provided by the Town of Lincoln: "Date of construction: 1890 Attributes: ▪ Grey vinyl siding on façade with 8 over 8 horizontal sash windows. ▪ Roof is gable. ▪ Addition to the right side of main structure. ▪ Possibly Georgian Revival. ▪ Front entrance centered with side lights. Statement: This property was included in the register because it is a character defining resource. It has contextual value as it defines the character of its setting and is a component of a grouping. It is close to the downtown core of Beamsville. It has design value because the style is notable and representative of its time. It has undergone some degree of alteration" (Town of Lincoln 2024b:120). Potential Heritage Value: The Town of Lincoln has identified that this property may have CHVI for its contextual and design value. The building on-site is described in the Beamsville HCD as constructed between 1939 and 1959 in the "Revivals" style (AECOM 2023, 89, 103).	 Retrieved from Google Street View, as seen July 2023
CHR 21	BHR	5173 King Street	Under study as part of the proposed Beamsville HCD (not yet designated under Part V of the OHA)	The property is located on the north side of King Street and comprises an irregular lot with narrow frontage and a one-storey residence that is set back from the street. The residence is asymmetrical in design with a side gable profile, with flat-headed window openings flanked by decorative shutters. An attached garage is located on the east elevation. Potential Heritage Value: The building was described in the Beamsville HCD study as constructed after the 1990s and characterized as "Other" (AECOM 2023, 89, 103). The Beamsville HCD study describes "Other" as "those buildings that are heavily altered or are considered modern (built post-1980s) and do not resemble a traditional Ontario architectural form" (AECOM 2023:101).	 Retrieved from Google Street View, as seen March 2021

CHR No.	Type	Location	Heritage Recognition	Description of Property	Photographs/Digital Images
CHR 22	BHR	5167 King Street	Under study as part of the proposed Beamsville HCD (not yet designated under Part V of the OHA))	The property is located on the north side of King Street and comprises an irregular lot with a two-storey building situated mid-lot. The residence is asymmetrical in design, with a gable-front portion, and a side-gable portion. The residence is clad in buff brick within portions of the building, and siding at the upper levels. The window openings contain punched windows of varying sizes and lite configurations. A tall brick chimney is situated on the south elevation and extends above the roof ridgeline. Potential Heritage Value: The building was described in the Beamsville HCD study as constructed between 1939 and 1959 and characterized as “Other” (AECOM 2023, 89, 101, 103). The Beamsville HCD study describes “Other” as “those buildings that are heavily altered or are considered modern (built post-1980s) and do not resemble a traditional Ontario architectural form” (AECOM 2023:101).	 Retrieved from Google Street View, as seen March 2021



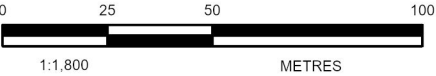
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LEGEND

- PROJECT WORK
- STUDY AREA
- ADJACENT PROPERTY BOUNDARIES
- PROPOSED DESIGN
- ONTARIOWATERCOURSE
- WATERBODY (LAND INFORMATION ONTARIO, 2024)

CULTURAL HERITAGE RESOURCES

- IDENTIFIED DURING FIELD REVIEW
- LISTED ON THE TOWN OF LINCOLN'S HERITAGE REGISTER



NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. BASE MAP: MAXAR, MICROSOFT, ESRI, ©CONTRIBUTORS, HERE, GARMIN, FAO, USGS, EPA, GARMIN, FAO, USGS, NGA, EPA, NPS, AAF
3. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT
KERRY T. HOWE ENGINEERING LIMITED

PROJECT
KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE REPORT

TITLE
IDENTIFIED CULTURAL HERITAGE RESOURCES

CONSULTANT	YYYY-MM-DD	2024-05-22
DESIGNED	GM	
PREPARED	####	
REVIEWED	CZ	
APPROVED	HS	



PROJECT NO.	CONTROL	REV.	FIGURE
CA0027600.1220	0001	A	8A



SCALE: 1:1,020,535

- LEGEND**
- PROJECT WORK
 - STUDY AREA
 - ADJACENT PROPERTY BOUNDARIES
 - PROPOSED DESIGN
 - ONTARIO WATERCOURSE
- CULTURAL HERITAGE RESOURCES**
- IDENTIFIED DURING FIELD REVIEW
 - LISTED ON THE TOWN OF LINCOLN'S HERITAGE REGISTER



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 - BASE MAP: ESRI, © OPENSTREETMAP © OPENSTREETMAP CONTRIBUTORS, HERE, EPA, NPS, AAFC, NRCAN, MAXAR, NRCAN
 - COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT
KERRY T. HOWE ENGINEERING LIMITED

PROJECT
KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE REPORT

TITLE
IDENTIFIED CULTURAL HERITAGE RESOURCES

CONSULTANT	YYYY-MM-DD	2024-05-22
DESIGNED	GM	
PREPARED	####	
REVIEWED	CZ	
APPROVED	HS	

PROJECT NO. CA0027600.1220 CONTROL 0001 REV. A FIGURE 8B



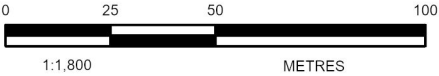
SCALE: 1:1,020,535

LEGEND

- PROJECT WORK
- STUDY AREA
- ADJACENT PROPERTY BOUNDARIES
- PROPOSED DESIGN
- ONTARIOWATERCOURSE
- WATERBODY (LAND INFORMATION ONTARIO, 2024)

CULTURAL HERITAGE RESOURCES

- IDENTIFIED DURING FIELD REVIEW
- LISTED ON THE TOWN OF LINCOLN'S HERITAGE REGISTER



NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

REFERENCE(S)
1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. BASE MAP: MAXAR, MICROSOFT, ESRI, ©CONTRIBUTORS, HERE, GARMIN, FAO, USGS, EPA, GARMIN, FAO, USGS, NGA, EPA, NPS, AAF
3. COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT
KERRY T. HOWE ENGINEERING LIMITED

PROJECT
KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE REPORT

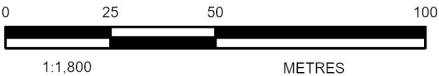
TITLE
IDENTIFIED CULTURAL HERITAGE RESOURCES

CONSULTANT	YYYY-MM-DD	2024-05-22
	DESIGNED	GM
	PREPARED	####
	REVIEWED	CZ
	APPROVED	HS

PROJECT NO.	CONTROL	REV.	FIGURE
CA0027600.1220	0001	A	8C



- LEGEND**
- PROJECT WORK
 - STUDY AREA
 - ADJACENT PROPERTY BOUNDARIES
 - PROPOSED DESIGN
 - ONTARIO WATERCOURSE
- CULTURAL HERITAGE RESOURCES**
- IDENTIFIED DURING FIELD REVIEW
 - LISTED ON THE TOWN OF LINCOLN'S HERITAGE REGISTER
 - UNDER STUDY AS PART OF THE BEAMSVILLE HERITAGE CONSERVATION DISTRICT



NOTE(S)
1. ALL LOCATIONS ARE APPROXIMATE

- REFERENCE(S)**
- CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
 - BASE MAP: MAXAR, MICROSOFT, ESRI, © OPENSTREETMAP CONTRIBUTORS, HERE, GARMIN, FAO, USGS, EPA, NPS, AAFC, NRC, NRCAN
 - COORDINATE SYSTEM: NAD 1983 CSRS UTM ZONE 17N

CLIENT
KERRY T. HOWE ENGINEERING LIMITED

PROJECT
KING STREET ROAD RECONSTRUCTION CULTURAL HERITAGE REPORT

TITLE
IDENTIFIED CULTURAL HERITAGE RESOURCES

CONSULTANT	YYYY-MM-DD	2024-05-22
DESIGNED	GM	
PREPARED	####	
REVIEWED	CZ	
APPROVED	HS	



PROJECT NO.	CONTROL	REV.	FIGURE
CA0027600.1220	0001	A	8D

5 PRELIMINARY IMPACT ASSESSMENT

To determine whether the Project will adversely affect the identified BHRs and CHLs, a preliminary impact assessment is provided below. The assessment uses the guidance outlined in InfoSheet#5: Heritage Impact Assessment and Conservation Plans contained within the Heritage Resources in the Land Use Planning Process: Cultural Heritage and Archaeology Policies of the Ontario Provincial Policy Statement of the Ontario Heritage Tool Kit (Government of Ontario 2006).

This assessment considers two categories of impacts:

- **Direct Impact:** A permanent or irreversible negative effect on the CHVI of a property that results in the loss of a heritage attribute. Direct impacts include:
 - **Destruction** of any, or part of any, significant heritage attributes or features; and
 - **Alteration** that is not sympathetic, or is incompatible, with the historic fabric and appearance.
- **Indirect Impact:** An impact that is the result of an activity on or near a cultural heritage resource that may adversely affect the CHVI and/or heritage attributes of a property. Indirect impacts include shadows, isolation, direct or indirect obstruction of significant views or vistas, a change in land use, or land disturbances.
 - **Shadows** created that alter the appearance of a heritage attribute or change the viability of a natural feature or plantings, such as a garden;
 - **Isolation** of a heritage attribute from its surrounding environment, context or a significant relationship;
 - **Direct or indirect obstruction** of significant views or vistas within, from, or of built and natural features;
 - **A change in land use** such as rezoning a battlefield from open space to residential use, allowing new development or site alteration to fill in the formerly open spaces; and,
 - **Land disturbances** such as a change in grade that alters soils, and drainage patterns that adversely affect an archaeological resource.

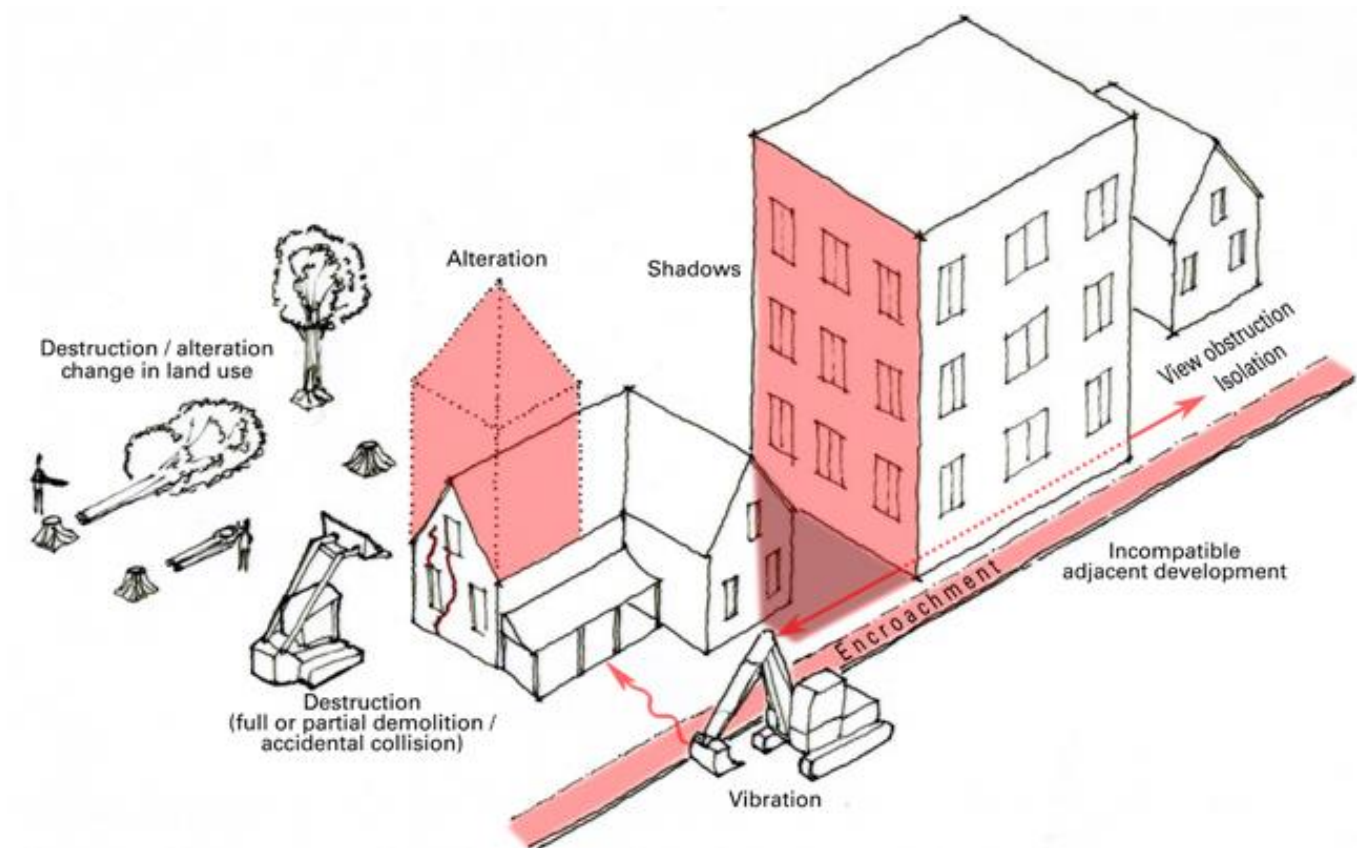


Image 11: Examples of Direct and Indirect Impacts

As such, consideration of alternatives, mitigation measures, and conservation methods required to address negative impacts may include:

- Alternative development approaches;
- Isolating development and site alteration from significant built and natural features and vistas;
- Design guidelines that harmonize mass, setbacks, settings, and materials;
- Limiting height and density;
- Allowing only compatible infill and additions;
- Reversible alterations; and
- Buffer zones, site plan control, and other planning mechanisms.

5.1 Description of Proposed Work

The Client is proposing to alter King Street (Regional Road 81) from approximately Greenlane to Lincoln Avenue (Station 1+020 to Station 1+150). The proposed work is depicted on the drawing set dated March 2023, provided in Appendix A.

The proposed work will result in the widening of King Street to accommodate a bicycle lane as well as the reconstruction and improvements to King Street at the intersections with Thirty Road, Mountainview Road, and Lincoln Avenue. The ROW abutting all properties within the Study Area will have a 1-metre-wide asphalt apron installed on the respective gravel driveways. Other proposed infrastructure improvements include culvert replacement and utility relocation where required. As part of the proposed work, tree and vegetation removals are required within the ROW for portions of King Street. Minor property acquisitions are required for lands abutting the ROW. The proposed work does not consider the demolition or alteration of any buildings within the Study Area.

A portion of the Study Area is situated within the proposed Beamsville HCD. As of the issuance of this Cultural Heritage Report, the Beamsville HCD Plan has yet to be drafted and the district is not yet designated under Part V of the OHA. Accordingly, preliminary impact assessment does not consider HCD-specific policies or guidelines.

As informed by WSP’s principal vibration consultant, a preliminary vibration zone of influence (ZOI) of 15 metres from ROW(s) was considered. The preliminary ZOI is derived from a desk review of applicable construction methods and site conditions. This preliminary ZOI creates a broad catchment area and identifies the presence of structures requiring further investigation. The potential impacts on the existing and potential properties are provided in Table 4. Where applicable, mitigation measures are provided.

5.2 Impact Assessment Table

Table 4 summarizes the preliminary impacts based on the Project understanding outlined in Section 5.1.

Table 4: Preliminary Impact Assessment and Mitigation Measures

Resource	Address/ location	Discussion of Impact	Mitigation measures
CHR 1	5581 King Street	No direct or indirect impacts. Rationale: The building on-site is located approximately 17 metres from the proposed road reconstruction and outside of the preliminary ZOI. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.

Resource	Address/ location	Discussion of Impact	Mitigation measures
CHR 2	5545 King Street	Potential indirect impact. Rationale: WSP reviewed the list of attributes provided by the Town of Lincoln and found that the proposed work will not directly impact the building within the property. However, as the building on-site is located approximately 8 metres from the proposed gravel shoulder and within the preliminary ZOI, the building may experience indirect adverse impacts associated with vibrations.	Avoidance of the property. Consult a qualified vibration specialist for a complete ZOI study.
CHR 3	5536 King Street	No direct or indirect impact. Rationale: The building on-site is located approximately 27 metres from the proposed road reconstruction and outside of the preliminary ZOI. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 4	5515 King Street	Potential indirect impact. Rationale: WSP reviewed the list of attributes provided by the Town of Lincoln and found that the proposed work will not directly impact the potential cultural heritage value or interest associated with the property. The new guardrail will be installed in the approximate location as the existing guardrail on-site and incorporate an opening to accommodate the existing pedestrian access. In addition, the existing concrete stairs will be retained. There is no proposed re-grading of this segment of King Street, and as such, the proposed work will not alter the visual and physical relation of the building to the street. However, as the building on-site is located approximately 13 metres from the proposed gravel shoulder and within the preliminary ZOI, the building may experience indirect adverse impacts associated with vibrations.	Avoidance of the property. Consult a qualified vibration specialist for a complete ZOI study.

Resource	Address/ location	Discussion of Impact	Mitigation measures
CHR 5	5500 King Street	No direct or indirect impact. Rationale: The building on-site is located approximately 23 metres from the proposed road reconstruction and outside of the preliminary ZOI. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 6	4502 Thirty Road	No direct or indirect impact. Rationale: WSP reviewed the list of attributes provided by the Town of Lincoln and found that the proposed work will not directly impact the potential cultural heritage value or interest associated with the property. The proposed work does not propose tree removals for the ROW abutting the property and thus will not alter the existing relationship between the building and surrounding vegetation. In addition, the building on-site is located approximately 16 metres from King Street and approximately 20 metres from Thirty Road. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 7	5477 King Street	No direct or indirect impacts. Rationale: At the southeast corner of the lot is a collection of trees and vegetation situated within the ROW. The trees and vegetation will require some removal for a replacement culvert. The vegetation proposed to be removed does not appear to form part of a windbreak or a historic orchard, as such, the removal will not result in an unsympathetic alteration or contribute to the visual isolation of the building on-site. In addition, the building on-site is located at a distance of approximately 19 metres from the proposed site alteration. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.

Resource	Address/ location	Discussion of Impact	Mitigation measures
CHR 8	5432 King Street	No direct or indirect impact. Rationale: WSP reviewed the list of attributes provided by the Town of Lincoln and found that the proposed work will not directly impact the potential cultural heritage value or interest of the property. There are no tree or vegetation removal proposed for this segment of King Street. In addition, the building on-site is located at a distance of approximately 31 metres from the proposed site alteration. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 9	5359 King Street	No direct or indirect impact. Rationale: Located within the ROW and abutting the southeast corner of the lot are existing culverts and headwalls to be removed and replaced. A utility pole will be relocated by others. A tree and other vegetation will be removed for the culvert replacement and a portion of the ROW re-graded. As the vegetation is situated within the ROW, there are no direct property impacts. While the tree proposed to be removed appears to be the end tree within a remnant windbreak or treeline, the removal of one tree will not result in an unsympathetic alteration nor contribute to the isolation of the resource. The building on-site is located at a distance of approximately 20 metres from the proposed site alteration. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street	None.

Resource	Address/ location	Discussion of Impact	Mitigation measures
CHR 10	5358 King Street	No direct or indirect impact. Rationale: WSP reviewed the list of preliminary attributes provided by the Town of Lincoln and found that the proposed work will not directly impact the potential cultural heritage value or interest associated with the property. The building on-site is located at a distance of approximately 24 metres from the proposed site alteration. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 11	5323 King Street	No direct or indirect impact. Rationale: The building on-site is located at a distance of approximately 40 metres from the proposed site alteration. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 12	5310 King Street	No direct or indirect impact. Rationale: WSP reviewed the list of attributes provided by the Town of Lincoln and found that the proposed work will not directly impact the potential cultural heritage value or interest associated with the of the property. No tree removals are proposed for the trees situated within the ROW. The existing rock wall at the entrance of the driveway will be retained. The proposed road reconstruction will not alter the existing physical and visual relationship of the building to the street. In addition, the building on-site is located at a distance of approximately 17 metres from the proposed site alteration. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 13	5220 King Street	No direct or indirect impact. Rationale: The building on-site is located at a distance of approximately 29 metres from the proposed site alteration. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.

Resource	Address/ location	Discussion of Impact	Mitigation measures
CHR 14	5210 King Street	No direct or indirect impacts Rationale: The building on-site is located at a distance of approximately 40 metres from King Street. An initial design of the Project considered the relocation of the existing driveway along the eastern property line. WSP has confirmed with the Client that the driveway relocation is no longer being explored.	None.
CHR 15	5196 King Street	Potential indirect impact. Rationale: A parcel of land on the northwest corner of the lot has been acquired by Niagara Region in 2023. The parcel has been severed from the listed property and is part of the ROW. Vegetation removals are required for the curb widening. The parcel acquired does not contain any of the attributes identified by the Town of Lincoln. Niagara Region is coordinating with the owners of the property to provide post construction landscaping of privacy plantings for the portion of the property abutting the new curb. In addition, WSP reviewed the list of attributes provided by the Town of Lincoln and found that the proposed work is unlikely to impact the potential cultural heritage value or interest associated with the property. The landscape, inclusive of vegetation and a garden wall, is not identified as an attribute of the property. However, the building on-site is located at a distance of approximately 14 metres from King Street and within the preliminary ZOI, the building may experience indirect adverse impacts associated with vibrations.	Avoidance of the property. Consult a qualified vibration specialist for a complete ZOI study.

Resource	Address/ location	Discussion of Impact	Mitigation measures
CHR 16	5195 King Street	Potential indirect impact. Rationale: The building on-site is located at a distance of approximately 19 metres from the curb realignment at the northwest corner of King Street and Lincoln Avenue. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street. However, due to the proximity of the porch to the street, additional mitigation measures may be required.	Avoidance of the property. Should construction of the northeast corner of the intersection be required, consult a qualified vibration specialist for a complete ZOI study.
CHR 17	5187 King Street	No direct or indirect impact. Rationale: The building on-site is located at a distance of approximately 20 metres from King Street. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 18	5186 King Street	No direct or indirect impact. Rationale: The building on-site is located at a distance of approximately 35 metres from King Street. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 19	5181 King Street	No direct or indirect impact. Rationale: The building on-site is located at a distance of approximately 17 metres from King Street. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.

Resource	Address/ location	Discussion of Impact	Mitigation measures
CHR 20	5176 King Street	No direct or indirect impact. Rationale: WSP reviewed the list of attributes provided by the Town of Lincoln and found that the proposed work will not directly impact the potential cultural heritage value or interest of the property. The proposed work will not alter the existing setting or context of the property. In addition, the building on-site is located at a distance of approximately 50 metres from King Street. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 21	5173 King Street	No direct or indirect impact. Rationale: The building on-site is located at a distance of approximately 29 metres from King Street. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.
CHR 22	5167 King Street	No direct or indirect impact. Rationale: The building on-site is located at a distance of approximately 35 metres from King Street. As such, it is unlikely to be impacted by the reconstruction of this segment of King Street.	None.

6 CONCLUSIONS AND RECOMMENDATIONS

WSP was retained by the Client to complete a Cultural Heritage Report as part of a Schedule 'B' MCEA for the Project. Following the background research and field assessment, WSP identified a total of 22 known and potential heritage properties in the Study Area. Of these, nine properties are listed on the Town of Lincoln's heritage register, five properties are under study as part of the proposed Beamsville HCD, and eight potential heritage properties identified during field review. There are no heritage properties designated by the Minister of Citizenship and Multiculturalism or any provincial heritage properties within the Study Area.

The preliminary impact assessment determined that the Project may result in direct and indirect impacts to the identified heritage properties. Accordingly, WSP recommends the following:

- 1) Continued avoidance of the known and potential heritage properties.
- 2) Consult a qualified vibration specialist to complete a complete Zone of Influence (ZOI) study and where applicable, provide mitigation measures for the three buildings situated 15 metres or less from areas of construction: 5545 King Street (CHR-2), 5515 King Street (CHR-4), and 5196 King Street (CHR-15). The ZOI Study should be prepared prior to the issuance of the tender documents.
- 3) Consult a qualified heritage professional if construction is required within 15 metres of 5195 King Street (CHR-16).
- 4) Should additional staging or construction areas be required, then a qualified heritage professional must be consulted to confirm the impact assessment presented in this Cultural Heritage Report.

This report should be submitted to the Town of Lincoln and the Ministry of Citizenship and Multiculturalism (MCM) for information purposes.

7 CLOSURE

This report was prepared for the exclusive use of Kerry T. Howe Engineering Limited and is intended to provide a Cultural Heritage Resource: Existing Conditions and Preliminary Impact Assessment of the Study Area.

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 party. Should additional parties require reliance on this report, written authorization from WSP will be required. With respect to third parties, WSP has no liability or responsibility for losses of any kind whatsoever, including direct or consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The report is based on data and information collected during the cultural heritage assessment conducted by WSP. It is based solely a review of historical information, a site visit on April 5, 2024, and data obtained by WSP as described in this report. Except as otherwise may be specified, WSP disclaims any obligation to update this report for events taking place, or with respect to information that becomes available to WSP after the time during which WSP conducted the cultural heritage assessment. In evaluating the Study Area, WSP has relied in good faith on information provided by other individuals noted in this report. WSP has assumed that the information provided is factual and accurate. WSP accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this report as a result of omissions, misinterpretations or fraudulent acts of persons contacted.

WSP 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 change. Such interpretations and regulatory changes should be reviewed with legal counsel.

This report is also subject to the further Standard Limitations contained in Appendix C. We trust that the information presented in this report meets your current requirements.

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Signature Page

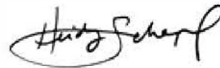
WSP Canada Inc.

Prepared By:



Corals Zheng, BA (Hons), MES in Planning
Cultural Heritage Specialist

Approved By



Heidi Schopf, MES, CAHP
Cultural Heritage Team Lead

CZ/HS/wlw

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APPENDIX A

90% Preliminary Design

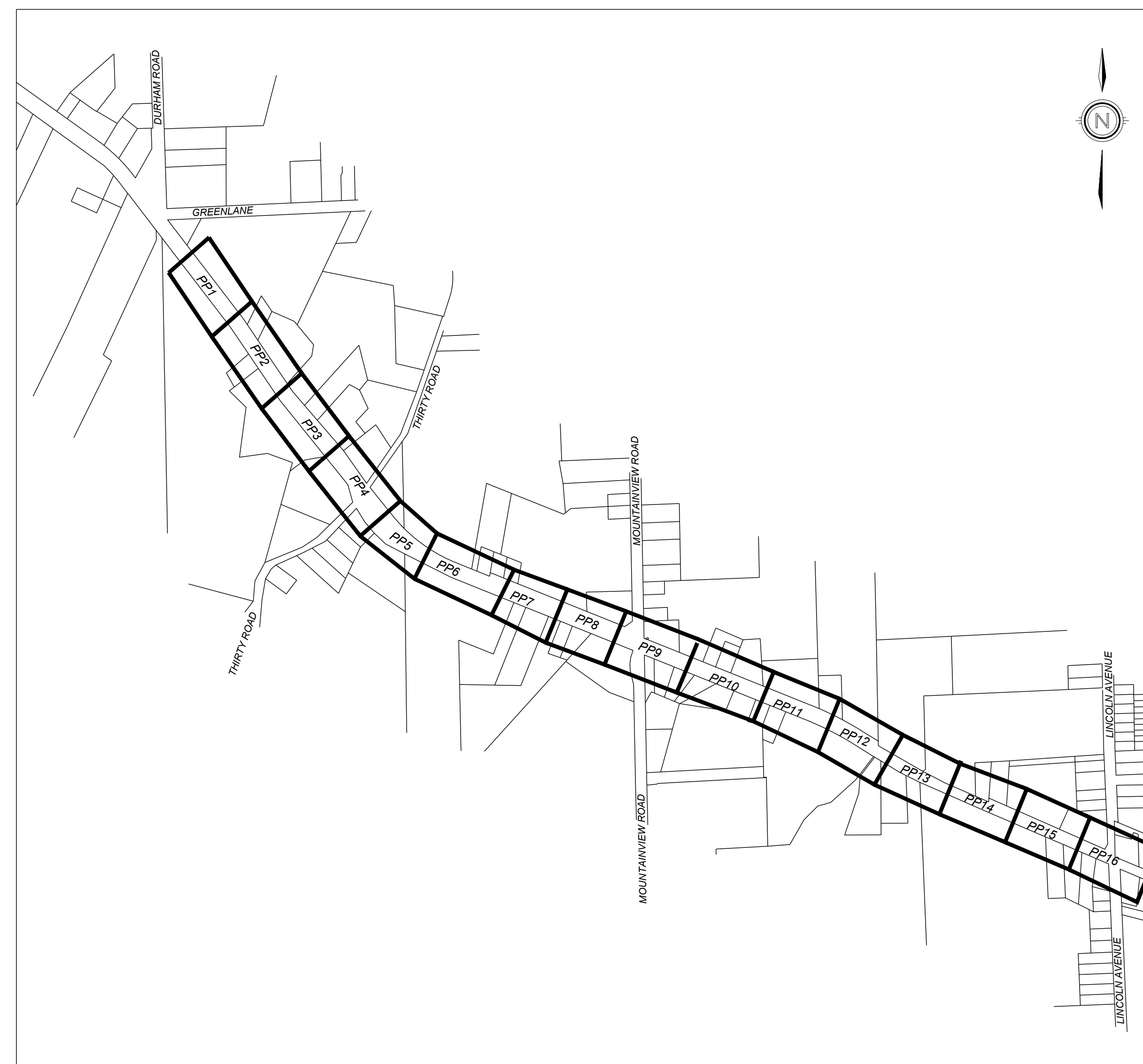
Niagara Region
PUBLIC WORKS

KING STREET - ROAD RECONSTRUCTION

TOWN OF LINCOLN

JIM BRADLEY
REGIONAL CHAIR

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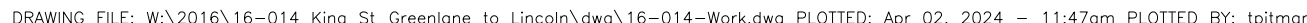
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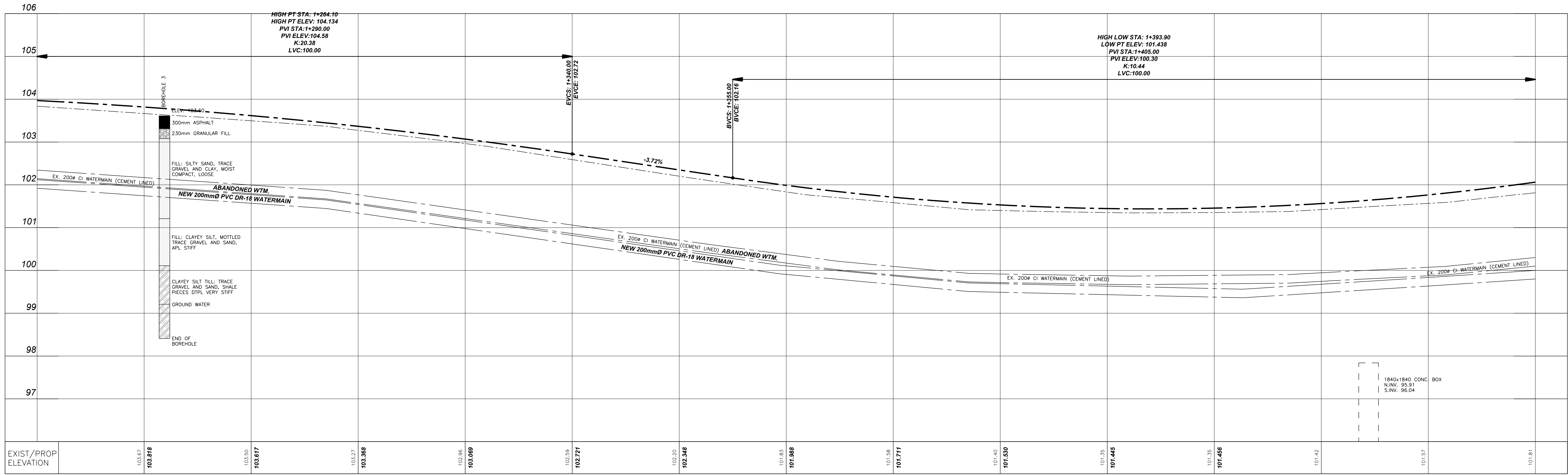
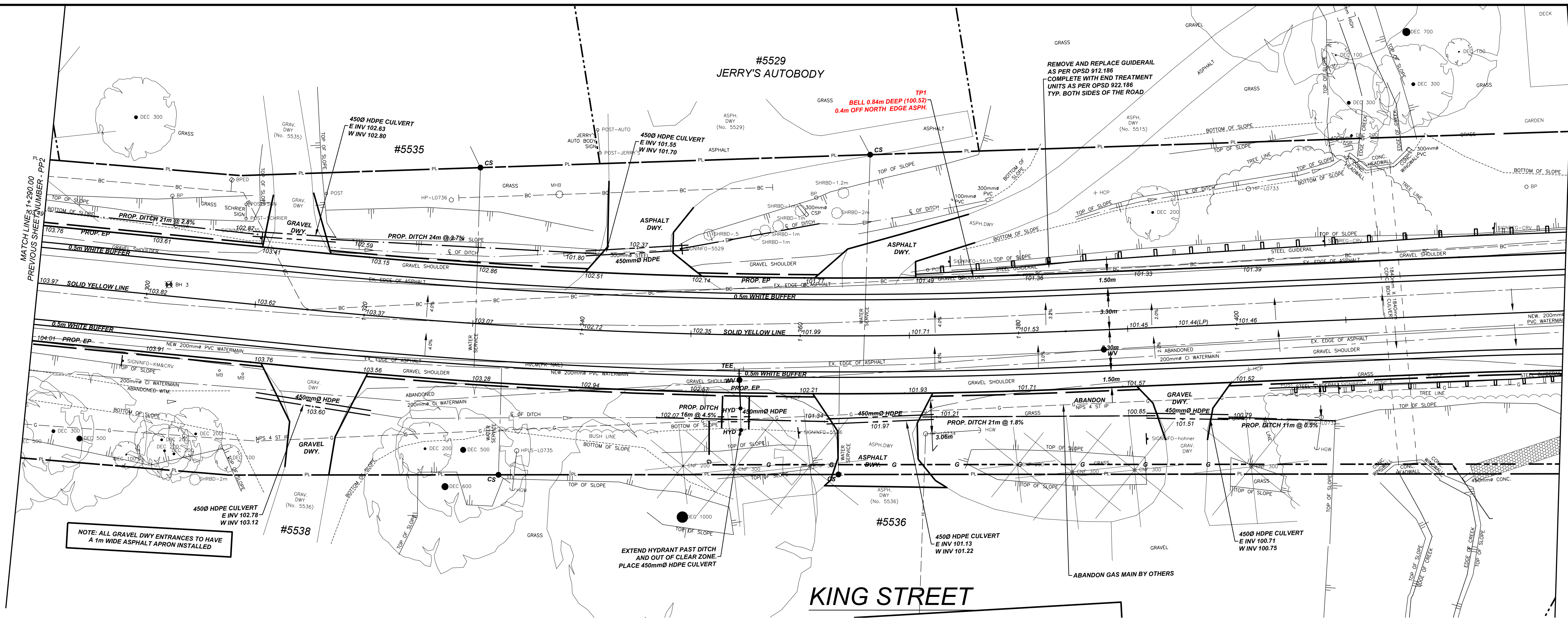
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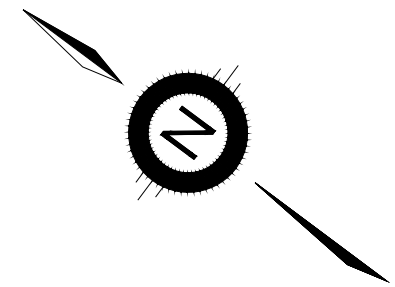
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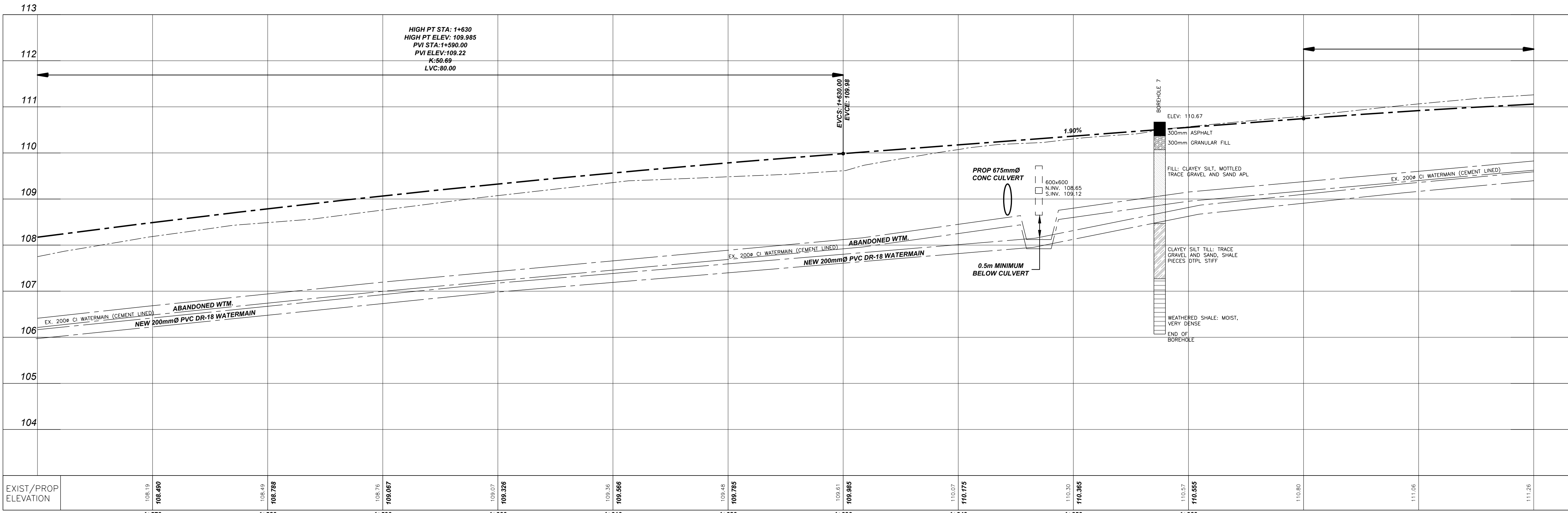
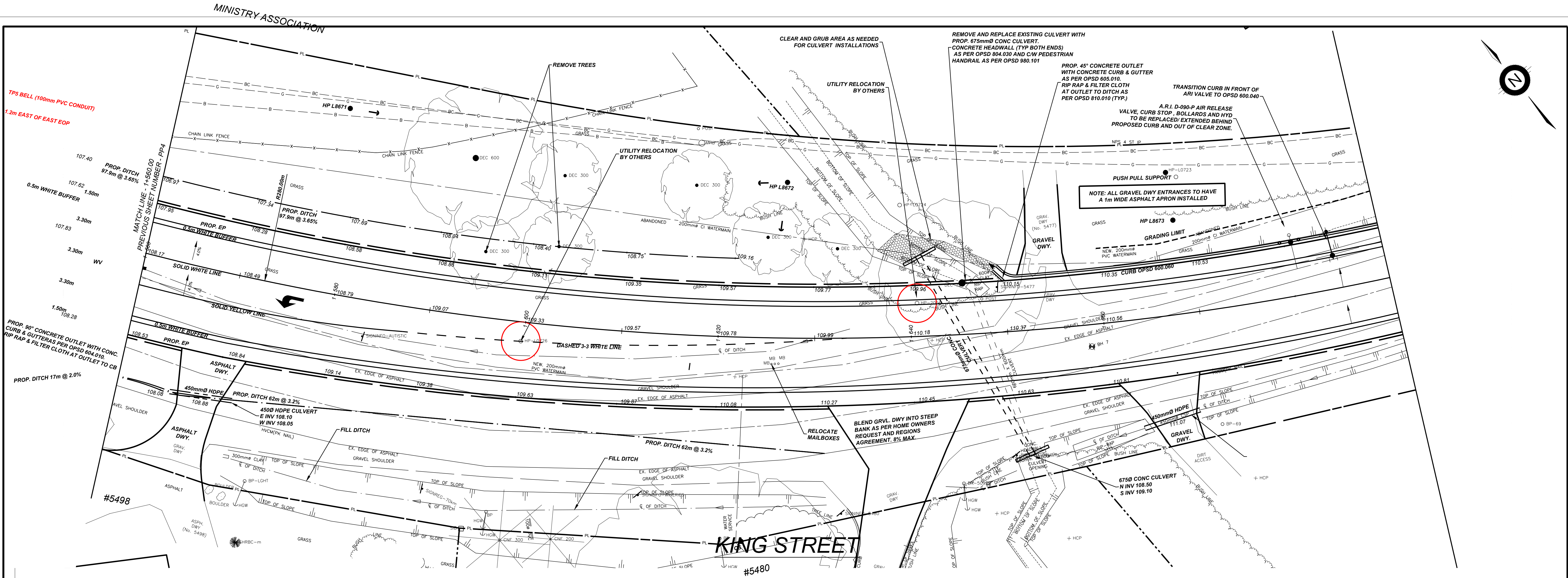




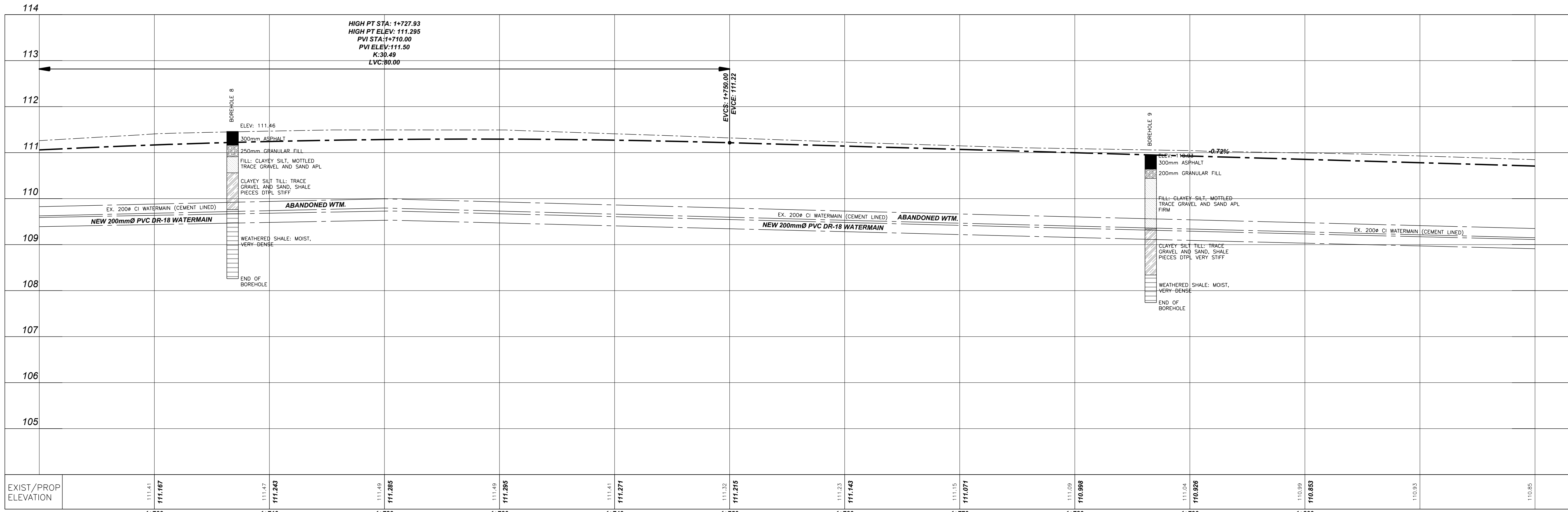
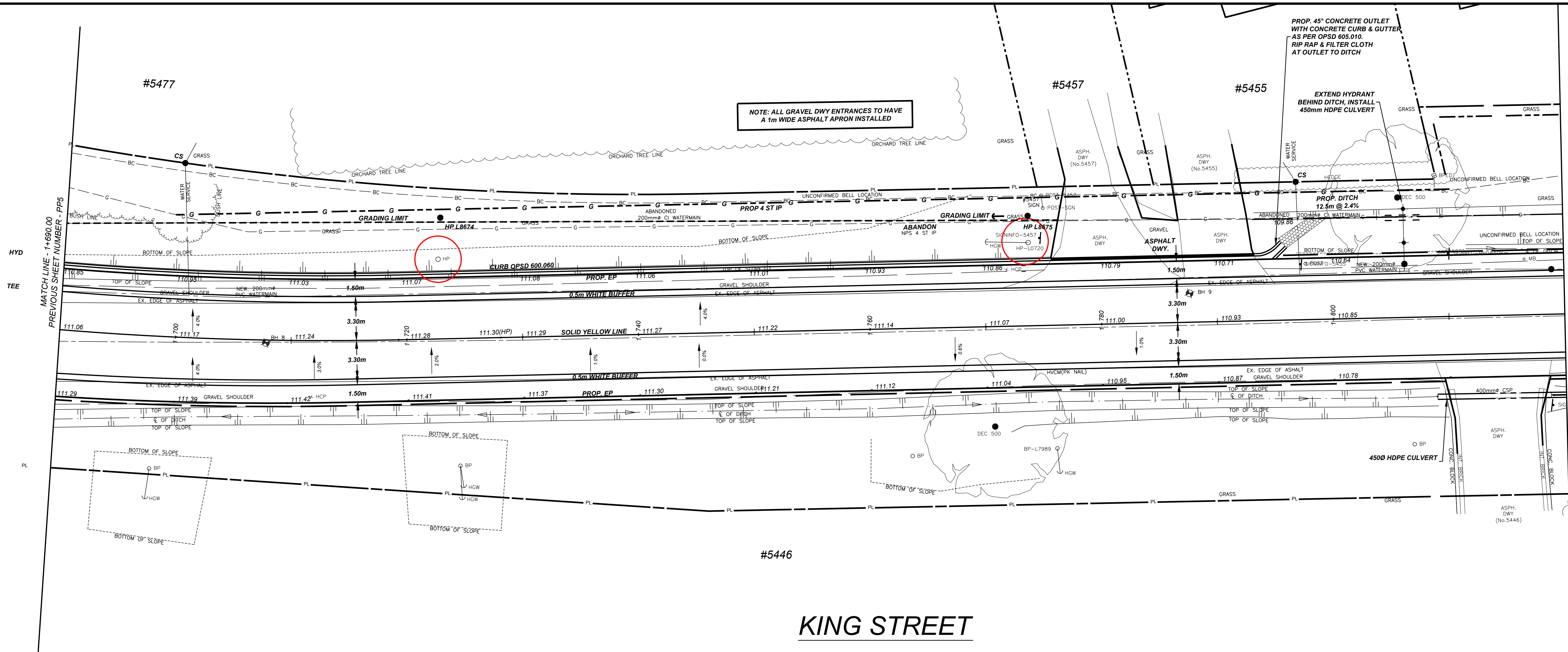
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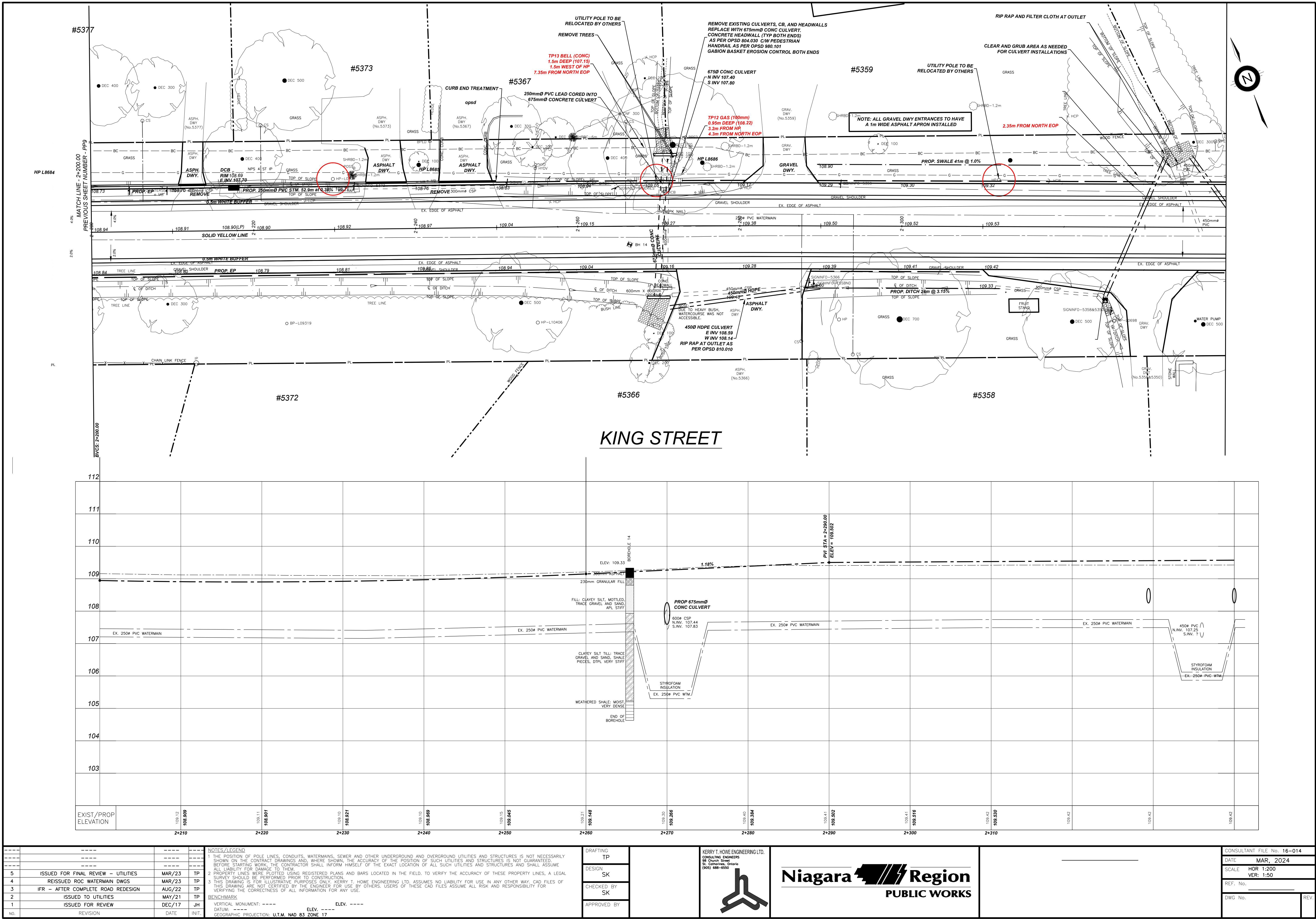
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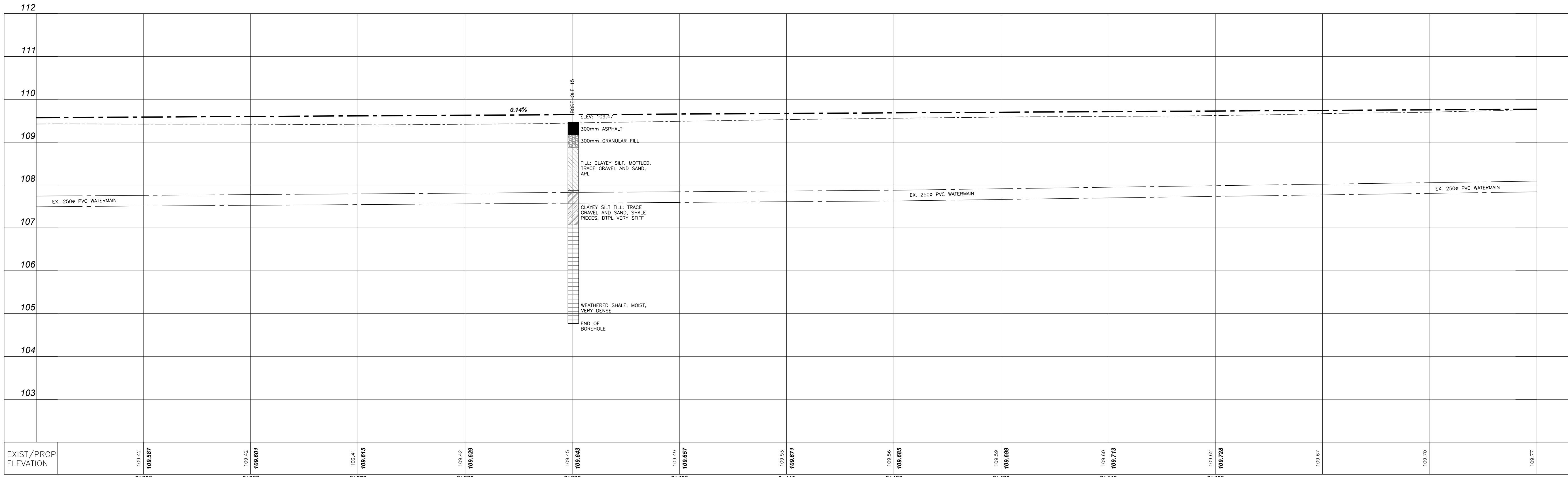
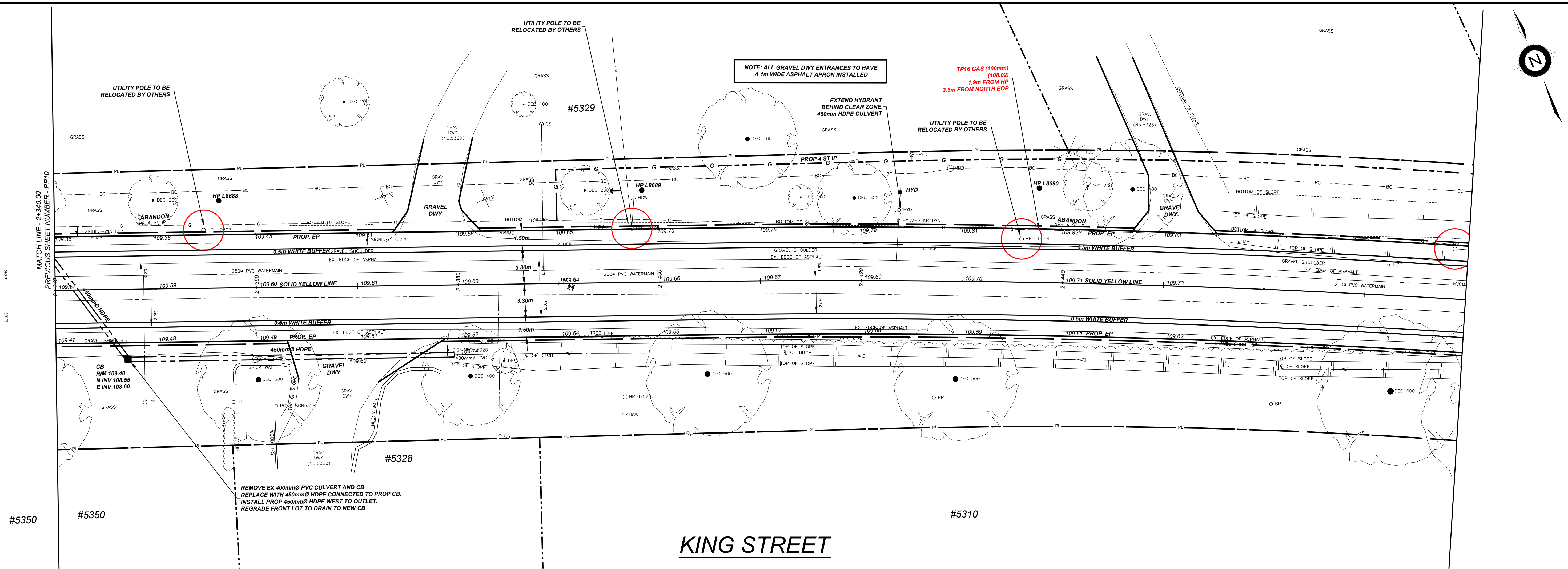
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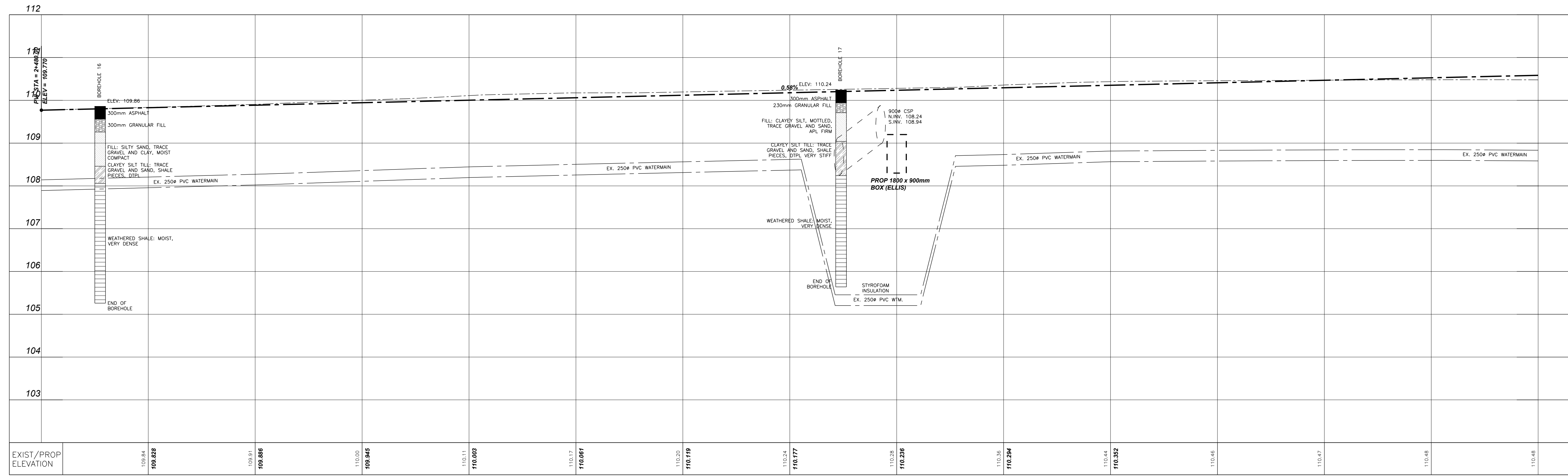
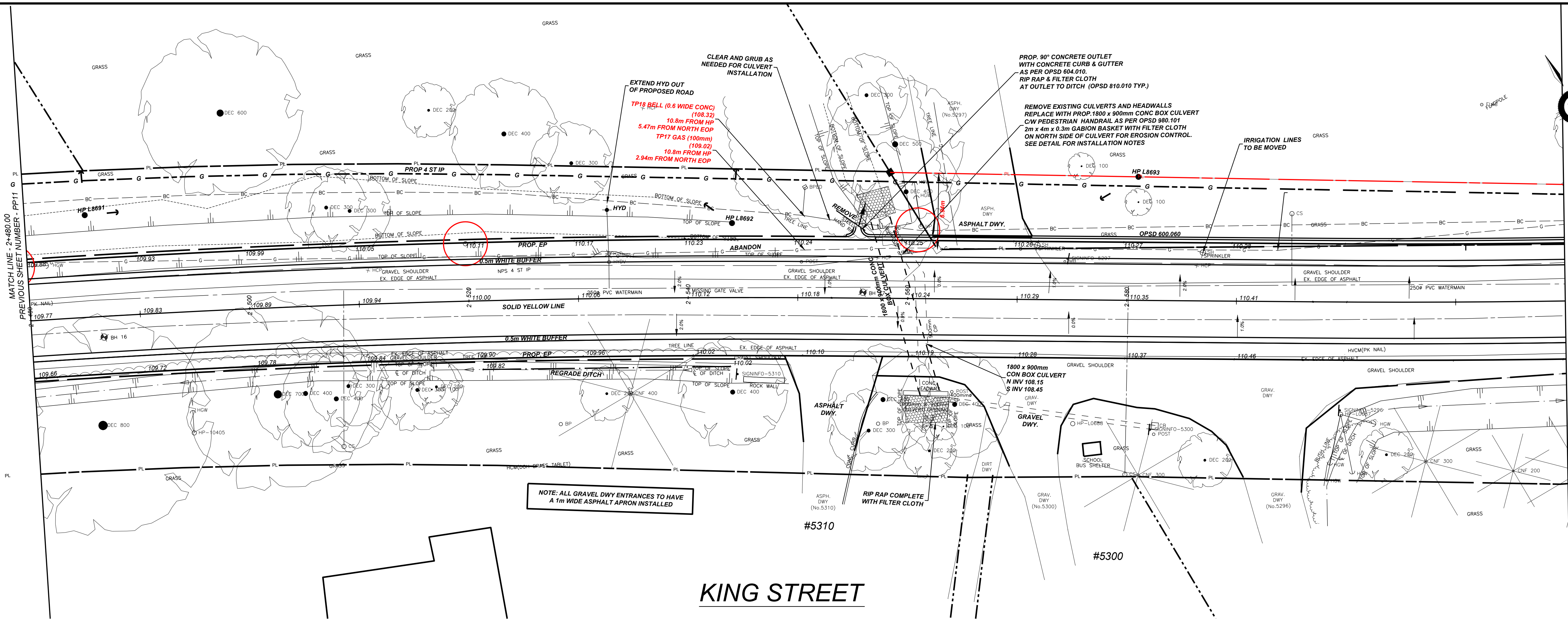
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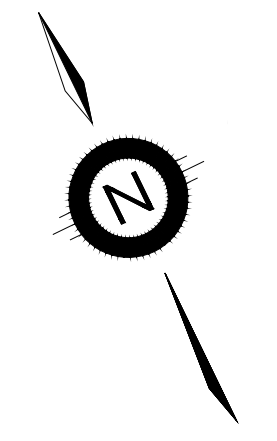


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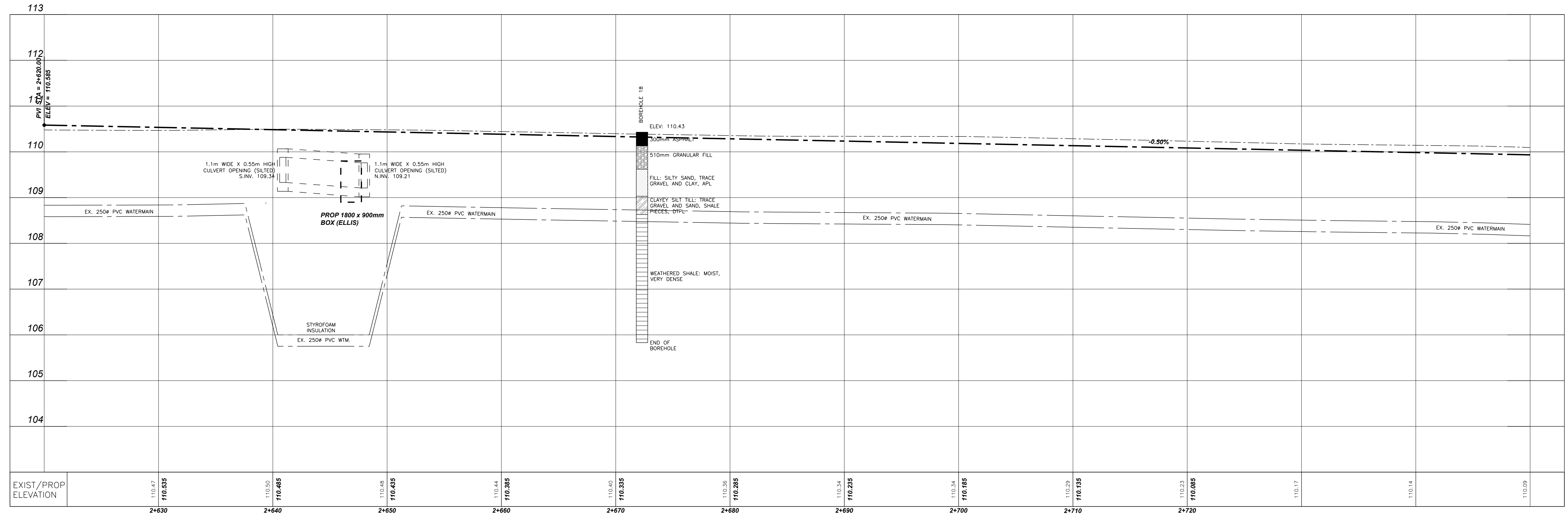
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PROPERTY ACQUISITION
648.50 m2

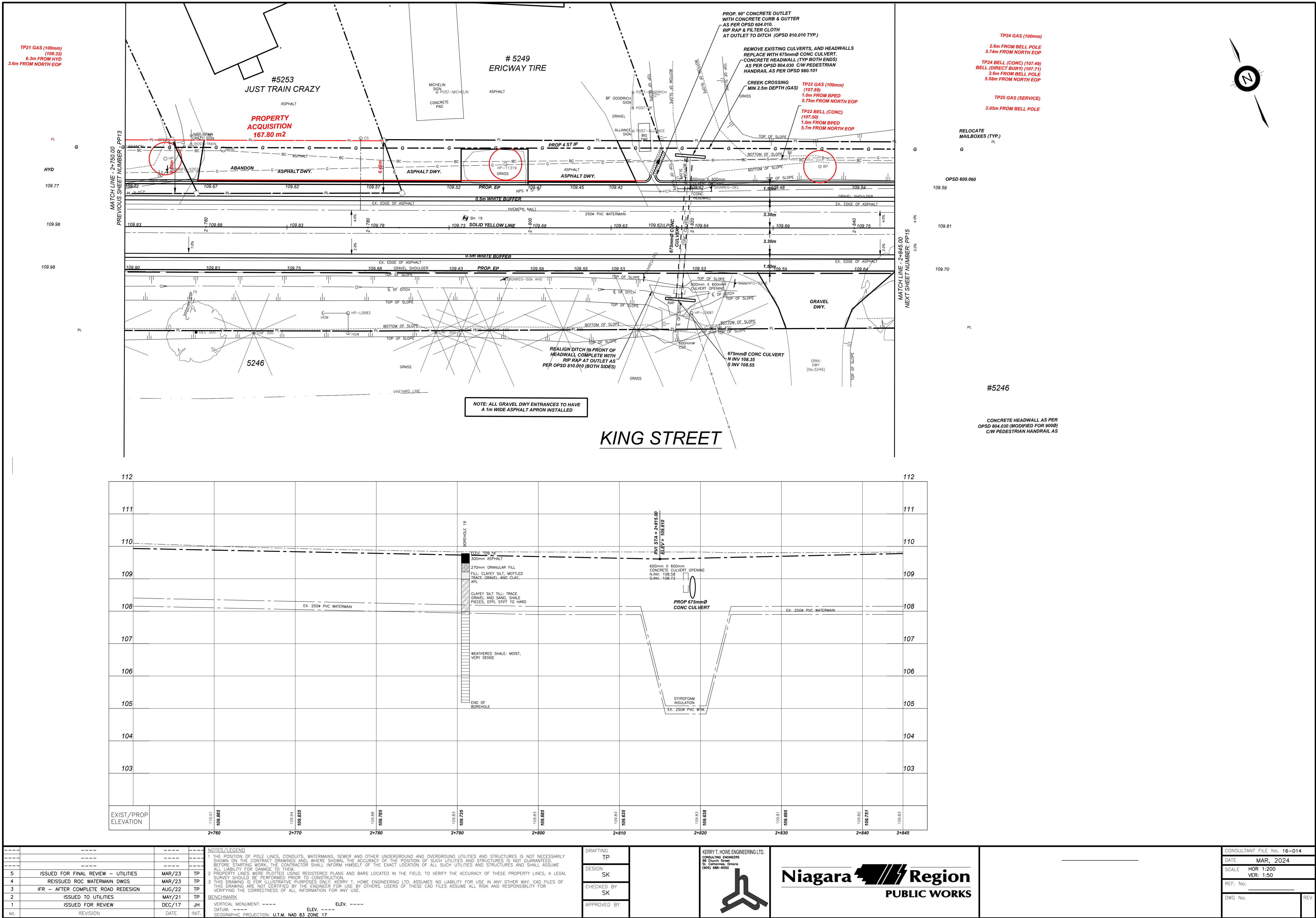
NOTE: ALL GRAVEL DWY ENTRANCES TO HAVE
A 1m WIDE ASPHALT APRON INSTALLED

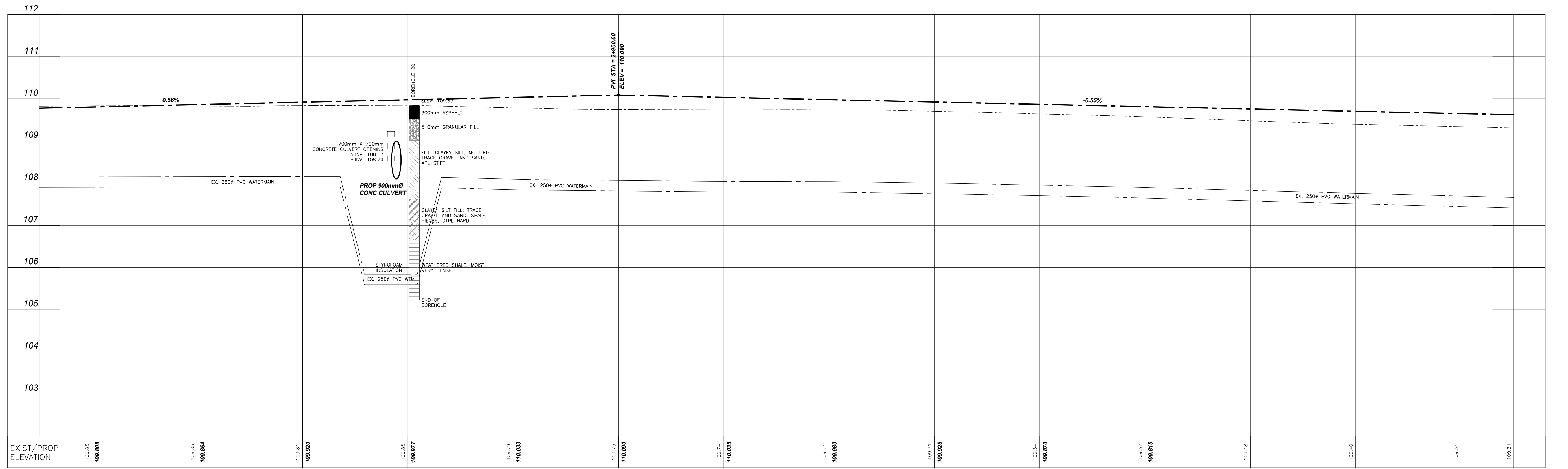
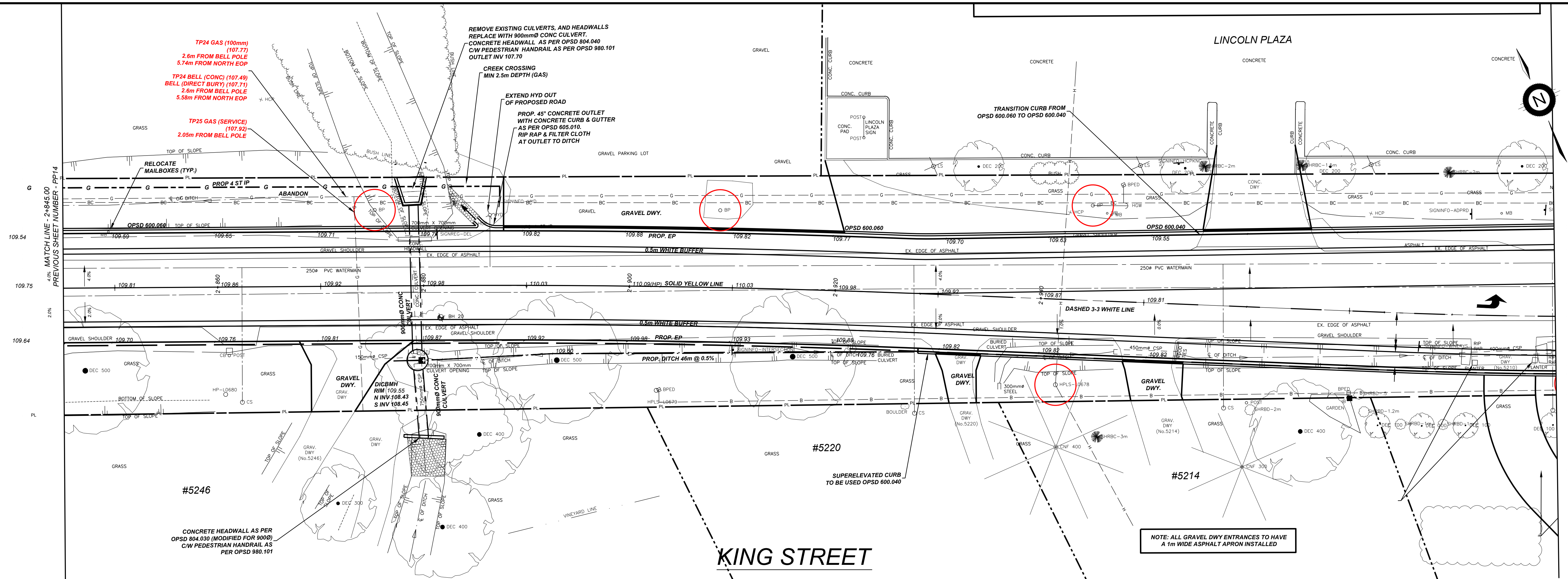


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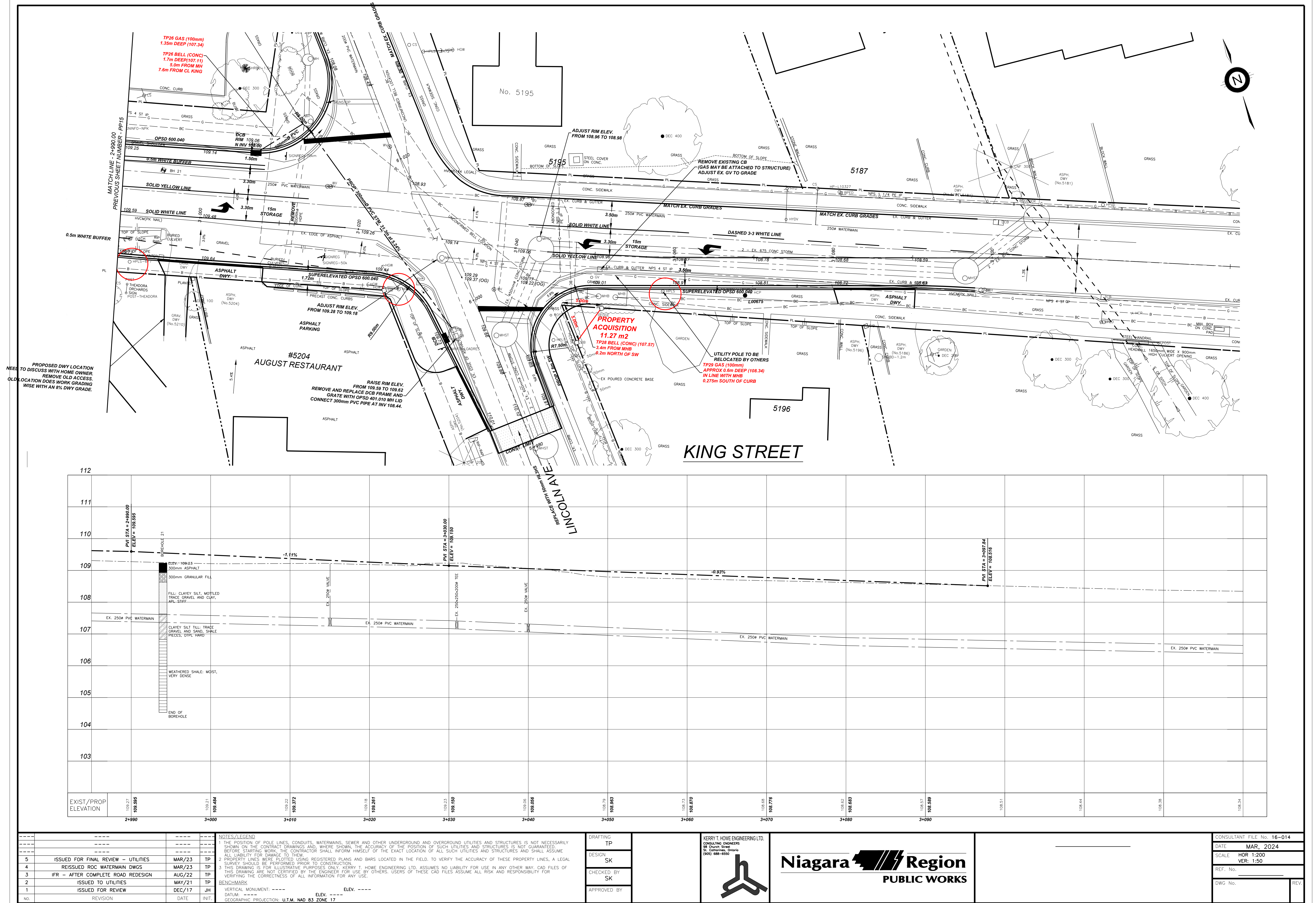


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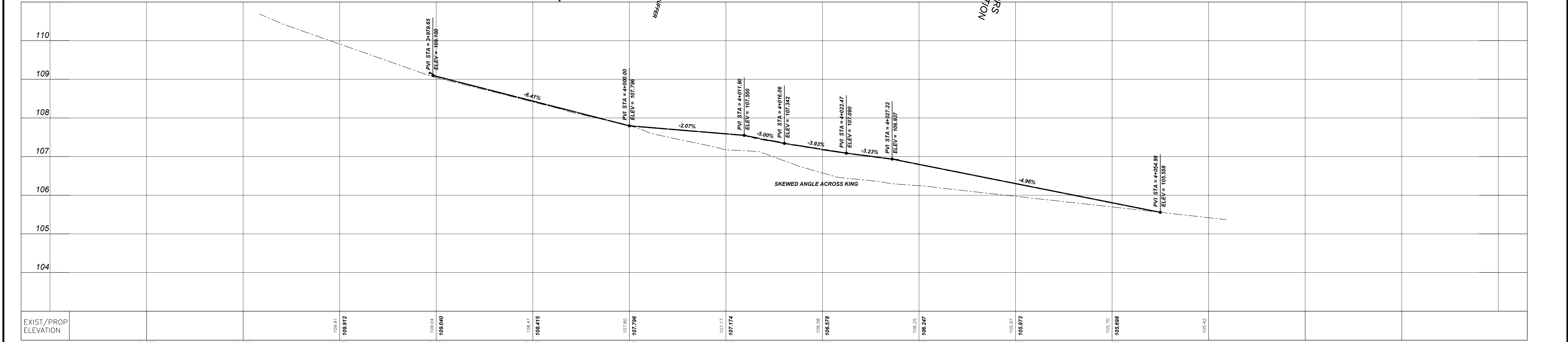
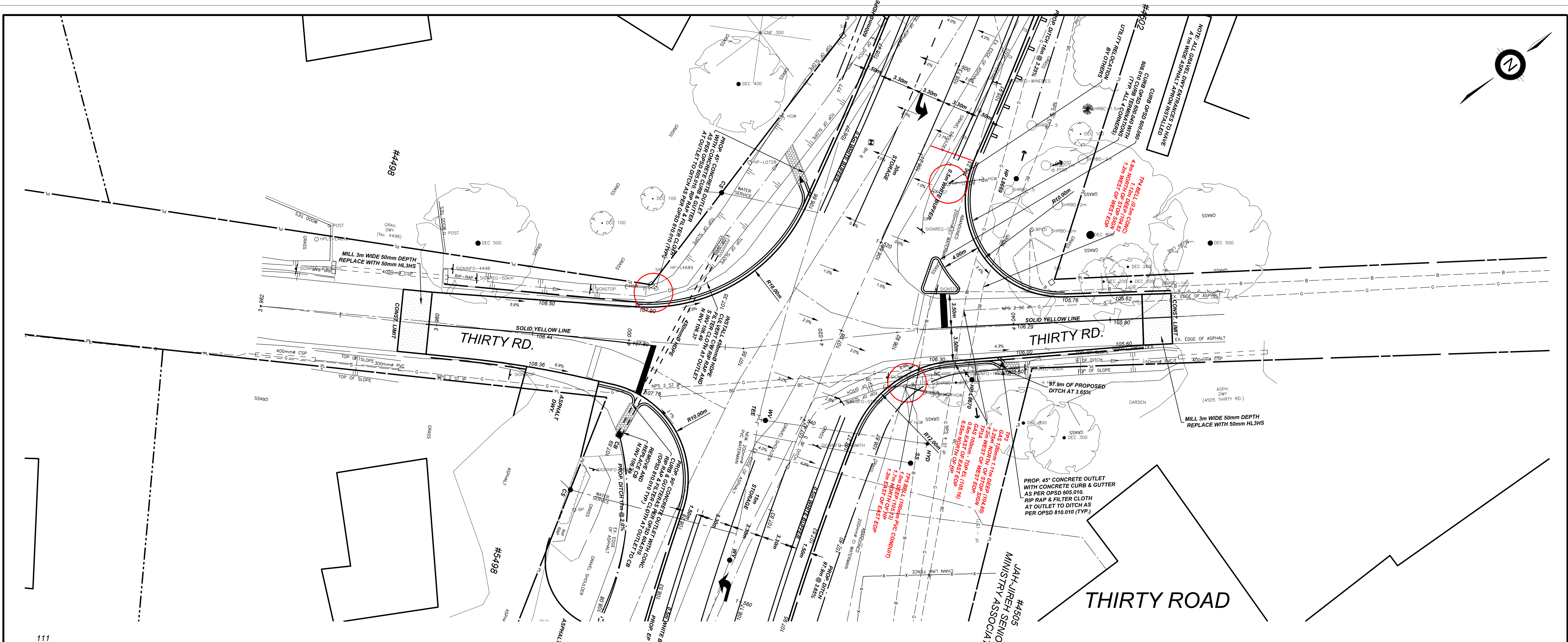




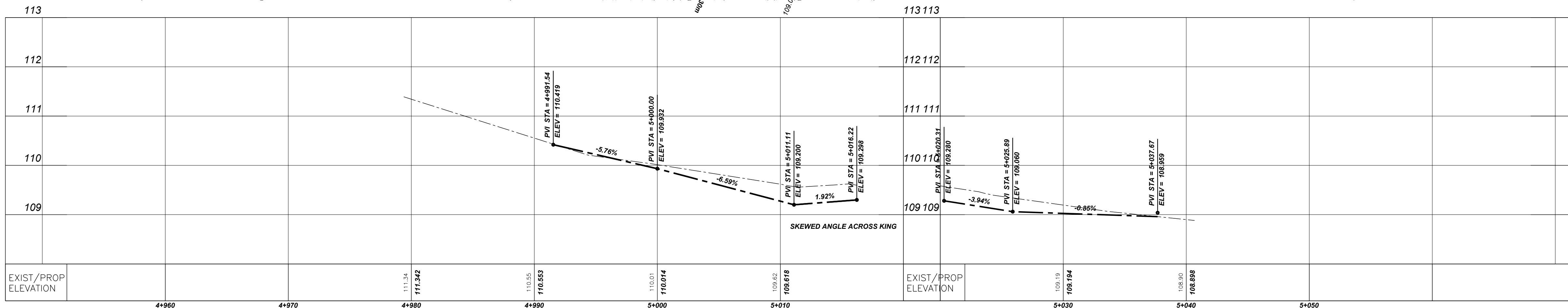
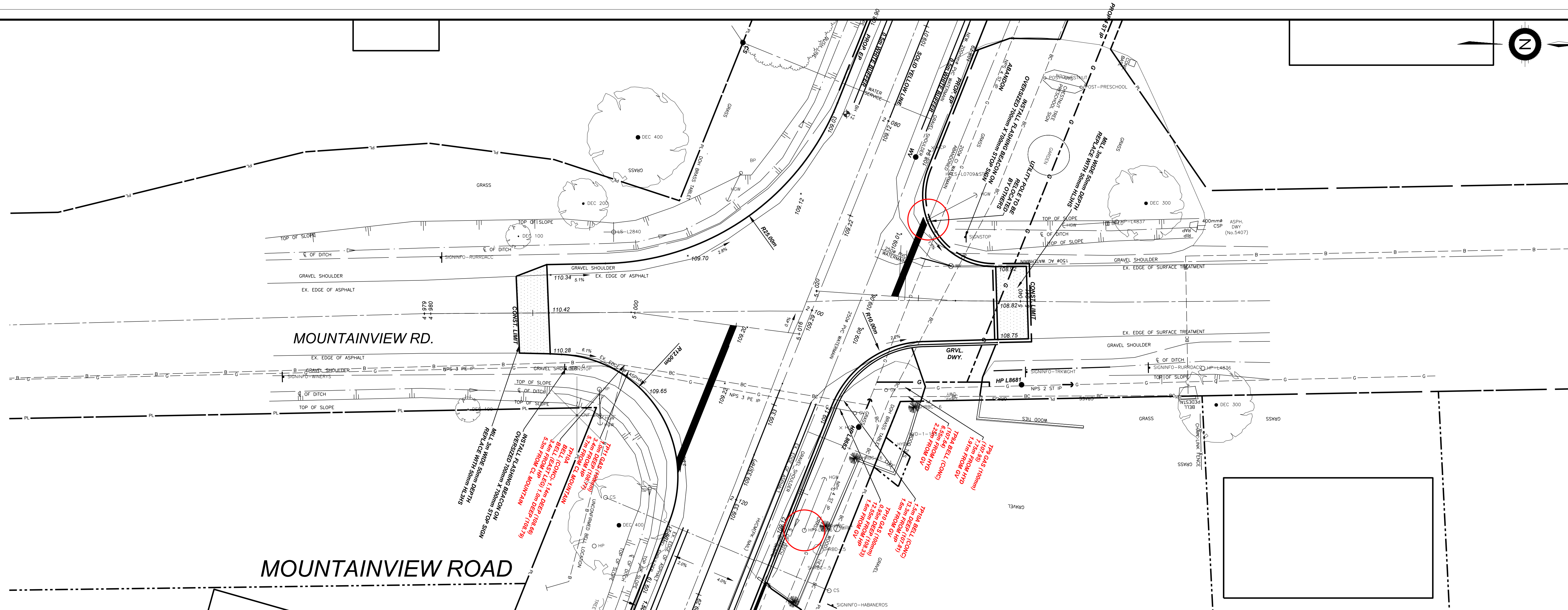
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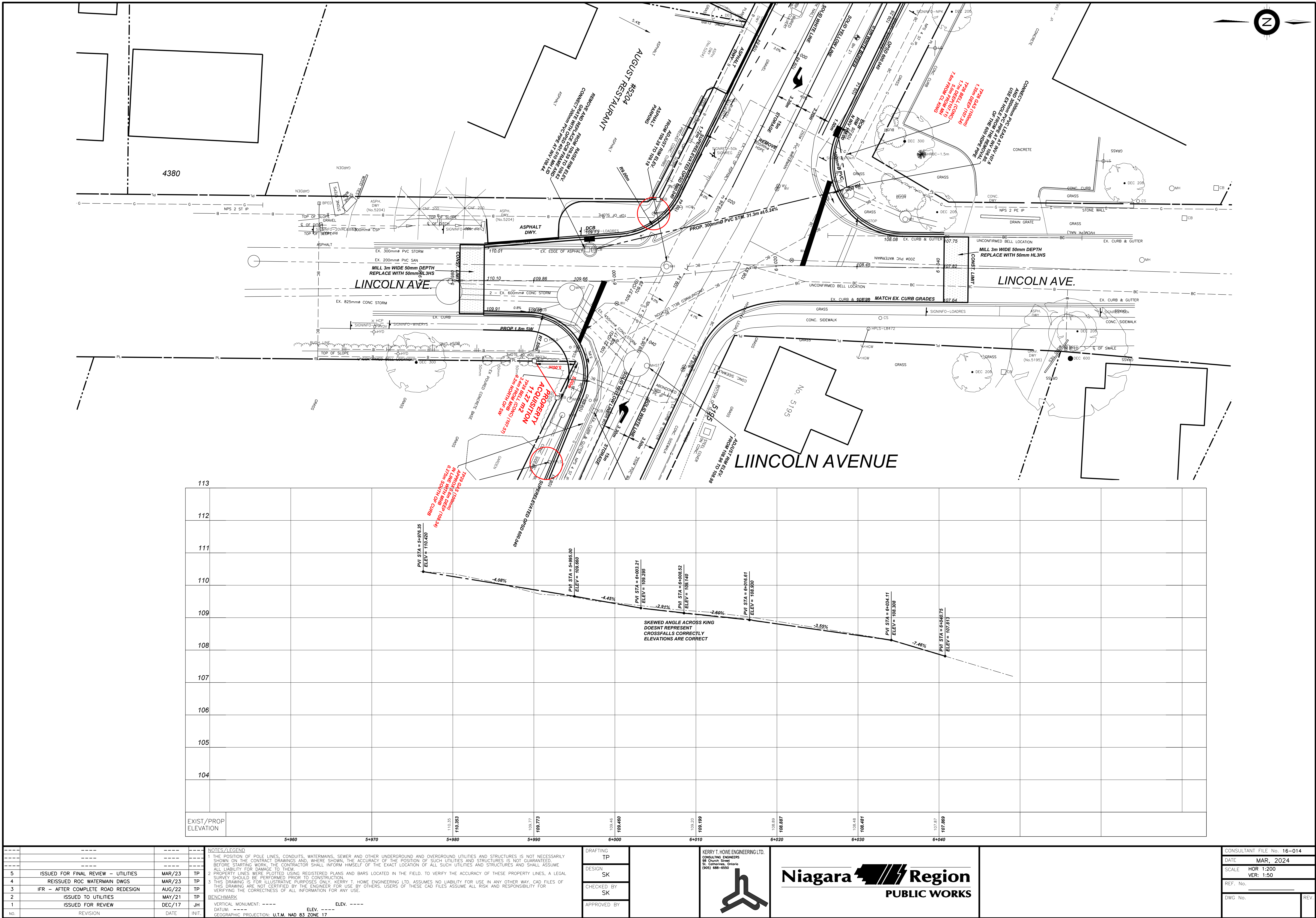
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APPENDIX B

Assessor Qualifications

ASSESSOR QUALIFICATIONS

Corals Zheng, BA (Hons), MES in Planning - Cultural Heritage Specialist – Corals holds an Honours Bachelor of Arts degree in English Literature and Political Science from the University of Toronto and a Master's in Environmental Studies in Planning from York University. Corals is currently a candidate member of the Ontario Professional Planners Institute and the Canadian Institute of Planners. She has worked in the field of cultural heritage resource management since 2021, with a focus on the adaptive reuse of heritage resources in large-scale redevelopment projects. She has prepared feasibility studies, Heritage Impact Assessments, Cultural Heritage Evaluation Reports, and other Site Plan Application materials for a range of clients in both the public and private sectors.

Role: Cultural Heritage Specialist, Report Author

Chelsey Tyers (Collins), BES, MCIP, RPP – Cultural Heritage Specialist - Chelsey is an experienced cultural heritage planning professional with over 12 years of experience working in the heritage planning and historic conservation field. Chelsey has worked in fast-paced municipal environments, including for the City of Hamilton for almost four years, where she has gained a wide range of experience handling complex cultural heritage landscapes and layered built heritage resources. Chelsey also has experience evaluating the impact of development and Environmental Assessment undertakings on cultural heritage resources including complex official plan amendment and zoning by-law amendment applications, environmental assessments and heritage permits.

Role: Cultural Heritage Specialist, Field investigations and review

Heidy Schopf, MES, CAHP – Cultural Heritage Team Lead - Heidy Schopf the Cultural Heritage Team Lead at WSP. She has over 13 years' experience in Cultural Resource Management. She is a professional member of the Canadian Association of Heritage Professionals (CAHP) and is MTO RAQs certified in archaeology/heritage. She has worked on a wide variety of projects throughout Ontario, including: cultural heritage resources assessments, heritage impact assessments, documentation reports, cultural heritage evaluations, strategic conservation plans, heritage conservation district studies and plans and archaeological assessments. Ms. Schopf has extensive experience applying local, Provincial, and Federal heritage guidelines and regulations to evaluate protected and potential cultural heritage properties. She is skilled at carrying out impact assessments and developing mitigation measures to conserve the heritage attributes of properties where changes are proposed.

Role: Senior Reviewer

APPENDIX C

Limitations

LIMITATIONS

- 1) The work performed in the preparation of this report and the conclusions presented are subject to the following:
 - a) The Standard Terms and Conditions which form a part of our Professional Services Contract;
 - b) The Scope of Services;
 - c) Time and Budgetary limitations as described in our Contract; and
 - d) The Limitations stated herein.
- 2) No other warranties or representations, either expressed or implied, are made as to the professional services provided under the terms of our Contract, or the conclusions presented.
- 3) The conclusions presented in this report were based, in part, on visual observations of the Study Area. Our conclusions cannot and are not extended to include those portions of the Study Area, which are not reasonably available, in WSP's opinion, for direct observation.
- 4) The potential for built heritage resources and cultural heritage landscapes at the Study Area were assessed, within the limitations set out above, having due regard for applicable heritage regulations as of the date of the inspection.
- 5) Services including a background study and fieldwork were performed. WSP's work, including archival studies and fieldwork, were completed in a professional manner and in accordance with the Ministry of Citizenship and Multiculturalism guidelines. It is possible that unforeseen and undiscovered archaeological resources may be present at the Study Area.
- 6) The utilization of WSP's services during the implementation of any further cultural heritage work recommended will allow WSP to observe compliance with the conclusions and recommendations contained in the report. WSP's involvement will also allow for changes to be made as necessary to suit field conditions as they are encountered.
- 7) This report is for the sole use of the parties to whom it is addressed unless expressly stated otherwise in the report or contract. Any use which any third party makes of the report, in whole or in part, or any reliance thereon, or decisions made based on any information or conclusions in the report, is the sole responsibility of such third party. WSP accepts no responsibility whatsoever for damages or loss of any nature or kind suffered by any such third party as a result of actions taken or not taken or decisions made in reliance on the report, or anything set out therein.
- 8) This report is not to be given over to any third-party other than a governmental entity, for any purpose whatsoever without the written permission of WSP, which shall not be unreasonably withheld.

