2024-03-28

Mr. John Hutter
King Paving and Construction
3385 Harvester Road
Burlington, ON
L7N 3N2

Subject: Assessment of Proposed ECA Amendments
Burlington Closed North Service Road Landfill

Dear Mr. Hutter:

WSP Canada Inc. (WSP) is pleased to provide our assessment of the proposed changes to the Closed North Service Road Landfill Site (Site). It is our understanding that Halton Region intends to lease the southern portion of the Site to King Paving and Construction (Proponent) to operate an asphalt batching plant. Amendments to the Site Environmental Compliance Approval (ECA) are required as a result of the proposed changes to the property. As part of the ECA amendment process, the Ministry of Environment, Conservation and Parks (MECP) has requested that a Qualified Person (QP) prepare an impact assessment outlining the proposed plans and potential impacts to the Site infrastructure and monitoring program.

The principal objectives of this assessment are as follows.

- Review plans and existing technical reports for the proposed asphalt plant.
- Assess potential impacts to the Site infrastructure and monitoring program.

The following technical memorandum is a summary of the assessment and includes a description of the proposed changes and an impact assessment by a Qualified Professional (i.e., Professional Engineer) of the proposed changes to the Site infrastructure and monitoring program.

The following documents were provided to WSP and were reviewed as part of the assessment.

- Public Consultation Report prepared by King Paving and Construction
- Functional Servicing and Stormwater Management Report prepared by S. Llewellyn and Associates Ltd., dated September 2021
- Environmental Opinion Letter prepared by Landtek Ltd., dated September 22, 2022
- Planning Justification Report prepared by King Paving and Construction and DeLoyde Development Solutions, dated January 30, 2023
- Closed Burlington North Service Road Landfill Site – 2022 Annual Monitoring Report prepared by WSP Canada Inc., dated March 30, 2023.

Suite 700
55 King Street
St. Catharines, ON, Canada L2R 3H5

T: +1 905 687-1771
F: +1 905 687-1773
wsp.com

- Proposed Asphalt Plant Site Drawings C-101 through C-109 prepared by S. Llewellyn and Associates Ltd., dated August 2023

SITE SETTING

The Site is located on the north side of the North Service Road and west of King Road (**Figure 1-1**). The legal description is Part of Lot 4, Concession 2, City of Burlington and has a municipal address of 291 North Service Road, Burlington, Ontario.

The landfill received waste between 1971 and December 1988, when it was closed. A monitoring program has been in place since 1980 under Provisional Certificate of Approval A210102. Results are reported annually. The licensed area containing waste is approximately 34.5 ha and the waste footprint is shown on **Figure 1-2**.

HISTORICAL SITE ACTIVITY

As shown on **Figure 1-2**, a toe-drain leachate collection system was installed around the western, eastern and southern extents of the landfill to intercept the shallow egress of leachate along the periphery. The northern extent of the landfill has an underdrain leachate collection system to control off-site leachate migration and to reduce landfill effects on the local groundwater and surface water. Collected leachate is discharged to the Regional sanitary sewer system.

RECENT SITE ACTIVITY

Currently, monitoring of the Site monitoring wells and surface water stations is completed three times annually. Site maintenance activities, such as monitoring well network maintenance, landfill cover enhancement, road repairs, culvert replacements, flow meter calibration, LCS flushing, etc., are evaluated regularly and completed on an as-needed basis. A site inspection was completed by the MECP in 2017 and no issues were identified.

PROPOSED SITE ACTIVITY

King Paving and Construction (King) has an agreement in place to lease a 2.4 hectare portion of the Site from Halton Region (Halton) for the purposes of constructing and operating an asphalt batching plant. The location of the proposed development within the closed landfill property is shown on **Figure 1-3**. For the purposes of this letter, the proposed development includes the portion of the Site that is required to be rezoned. It is noted that access road upgrades to the north of the asphalt plant, beyond the rezoned area, are also proposed.

LANDFILL INFRASTRUCTURE (ASSETS)

The infrastructure (assets) that are present on-site include the following:

- 47 Groundwater monitoring wells and 5 gas probes.
- Leachate collection system (LCS) which includes an underdrain system within the northern portion of the refuse area, and a toe drain within the southern portion of the refuse area closest to the proposed development. The collected leachate drains from the site via gravity, flows south from the landfill and into the regional sanitary sewer along North Service Road. The south-flowing pipe to the regional sanitary sewer is located approximately 5 to 10 meters east

of the boundary of the proposed development and beneath the proposed new landfill access road.

- The LCS includes a series of maintenance holes throughout the site. The locations of the LCS components are shown on Figure 1-2. Maintenance holes 17 through 22 are located within the boundary of the proposed development. Maintenance holes 23, W26, W25, W24, and A22 are located north of the proposed development but within 2 meters of proposed access road upgrades.
- A flow meter established within the southern portion of the site, within a flow meter building, to monitor leachate volumes as they are gravity drained from the site within the leachate collection system. The flow meter building is located approximately 89 meters north of the proposed development and within an area of proposed access road upgrades.
- On site access roads that include Hickory Lane, a gravel ring road around the base of the landfill mound and an access road to the flow meter building. The access road around the former waste transfer pad, as noted on Figures 1-2 and 1-3, is proposed to be upgraded.

The above noted landfill infrastructure was in satisfactory condition in 2023, based on observations made during the monitoring events and inspections completed by Halton Region.

MONITORING NETWORK

The Site monitoring network is shown on the Site Plan, **Figure 1-2**.

Leachate monitoring involves the collection of samples from Maintenance Hole 23, along the leachate collection system. Additionally, leachate samples are obtained from four leachate monitoring wells located on the landfill mound.

On-site groundwater monitoring, including water level measurements and sampling, is conducted at a series of 47 monitoring wells located generally around the perimeter of the Site. Monitor Location 16 is located 14 meters northeast of the proposed development. Monitor Location 27 is located within the proposed development and will need to be relocated as discussed in further detail later in the letter.

Combustible gas measurements are obtained from a series of five gas probes located along the eastern Site boundary and from select monitoring wells around the Site.

Surface water monitoring includes obtaining samples along a tributary of Falcon Creek, which is present along portions of the northern, western, and southern Site boundaries, a ditch along the east side of the Site which drains to Indian Creek and drainage swales which lie south of the landfill area. Surface water sampling station SW12 is located approximately 25 meters south of the proposed development and 25 meters west of the proposed new access road into the asphalt plant.

DESCRIPTION OF THE PROPOSED CHANGES

PROPOSED ASPHALT PLANT

As previously mentioned, King has an agreement in place to lease a 2.4 hectare portion of the Site from Halton for the purposes of constructing and operating an asphalt batching plant. The plant will be located in the southerly part of the Site abutting North Service Road. This portion of the Site is not part of the approved municipal landfilling area. The area was previously built up with rock fill and was historically used for the Site's weigh scales and access. The location of the

proposed facility within the closed landfill property, including approximate site boundary, is shown on **Figure 1-3**.

The plant will consist of a series of silos and a heated rotary drum where aggregates are mixed with asphaltic materials stored in bins on site. Two control centre structures, which will be occupied by King staff during operating hours, will be constructed to oversee the asphalt batching and loading processes. The proposed plant buildings are approximately 180 meters from the approximate extent of refuse.

King and Halton are entering into a ground lease agreement as King will only lease the surface area of the subject lands for its plant, storage and access. Although the final design drawings are not finalized as of the time of this letter, it is understood that there will be minimal subsurface construction or development on the subject lands and Halton Region will retain the groundwater rights for the leased land. Halton should be provided with the final design drawings for the proposed plan facilities and permitted to make comments on the suitability of the design with regard to potential impacts to the landfill monitoring.

Access to the proposed plant will be from North Service Road and, as such, King has proposed to construct a new left hand turning lane into the facility.

Vehicular access within the plant will be via a new proposed access lane along the east side of the plant that extends northerly to the existing landfill area. King has agreed to build a new access road into the landfill area and upgrade portions of the existing access road as part of its lease arrangement. Access to the Site is currently gained through an existing gate and access road, known as Hickory Lane, along the eastern edge of the Site. The proposed development will replace the existing Hickory Lane with the aforementioned new access road.

Gates will be placed to ensure continued security of the Site and the King facility.

The topography and terrain at the Site and proposed development slopes in a southerly direction toward North Service Road. A stormwater management plan was developed by S. Llewellyn & Associates Limited Consulting Engineers and is discussed in further detail in the next section. Grading of the proposed development will generally mimic the existing topography at the Site.

SUPPORTING DOCUMENTATION REVIEW

The following section provides a summary of the documentation, which is relevant to the proposed ECA amendments and impacts to the landfill infrastructure and monitoring, provided to WSP in support of the proposed development.

FUNCTIONAL SERVICING AND STORMWATER MANAGEMENT REPORT – S. LLEWELLYN & ASSOCIATES LIMITED

S. Llewellyn & Associates Limited Consulting Engineers (Llewellyn) provided a report in September 2021 which detailed the proposed stormwater management and functional servicing schemes for the proposed development. Stormwater will be managed on the proposed development through site grading, open ditches and ultimately collected in a dry pond facility. Sediment and erosion control measures are also proposed. Additionally, the proposed development can be serviced by the existing sanitary sewer and watermain along North Service Road.

The report correctly identifies the existing drainage swales in this area of site which drain portions of the Site to the south of the landfill and ultimately converge at surface water monitoring location SW12 before discharging offsite. Within the Llewellyn report, the ditches are identified as the existing west and east channels. The proposed asphalt plant and stormwater management plan for the proposed development will maintain the functionality and general locations of the existing drainage swales/channels. Minor grading and some re-routing of the channels is proposed to facilitate the development.

The proposed dry pond facility may discharge to the existing east channel during periods of heavy precipitation.

ENVIRONMENTAL OPINION LETTER – LANDTEK LIMITED

On September 22, 2022, Landtek Limited Consulting Engineers (Landtek) submitted an Environmental Opinion Letter regarding the potential impact of methane gas from the landfill on the proposed development. Landtek reviewed the 2021 Annual Monitoring Report for the North Service Road Landfill that was prepared by WSP in March 2022. It is noted that the Annual Monitoring Report contains both recent and historic data pertaining to the Site.

Landtek concluded that although methane and/or combustible gas is not expected to have an impact on the proposed buildings within the proposed development, methane and combustible gas should continue to be monitored on the southeast Site boundary and within the proposed development.

CLOSED BURLINGTON NORTH SERVICE ROAD LANDFILL SITE – 2022 ANNUAL MONITORING REPORT – WSP CANADA INC.

WSP Canada Inc. (WSP) completed the 2022 Annual Monitoring Report for the Closed Burlington North Service Road Site. The report was submitted to Halton Region in March 2023 and provides detailed analysis and interpretation of the monitoring data collected at the Site in 2022 as well as historic data. The report findings that pertain to the proposed development area are summarized as follows:

- The shallow groundwater level south of the landfill in the area of the proposed development is approximately 2.5 to 3.0 metres below ground surface based on the water levels within monitors 16-IV and 27-III.
- Leachate influences on groundwater quality have generally been limited to areas immediately adjacent to and downgradient of the refuse. Monitors located south and southwest of the refuse, within the Site property, indicate that groundwater quality is marginally influenced by landfill leachate. Most inorganic parameter concentrations at Monitor Locations 27 and 35R exceeded the criteria for reasonable use in 2022; however, the concentrations were generally comparable to the background monitors at Monitor Location OW5, northeast of the Site.
- MECP Guideline B-7 criteria and ODWQS were exceeded for many inorganic parameters at a majority of the monitors along the Site property boundary; however, given the concentrations of the exceedances were comparable to the respective concentrations at the background Monitor Location OW5, the Site does not appear to be having a measurable influence on the inorganic groundwater quality at the property boundary monitors. In 2022, organic parameter exceedances near, but within, the Site property boundary consisted of 1,4-dichlorobenzene, benzene, and vinyl chloride. These exceedances are an indication of a leachate influence on groundwater quality. The closest organic parameter exceedance to the proposed plant facilities was approximately 4000 meters to the northwest (Monitor Location 14).

- Organic parameters were detected above the laboratory limit of detection at Monitor Location 35R, approximately 1200 meters north of the proposed development and Monitor Location 16, approximately 14 meters northeast of the proposed development. Organic parameters were not detected in Monitor Location 27 located within the proposed development.
- The property boundary monitors screened within the overburden till or the weathered shale (shallow flow system) closest to the proposed development area generally do not indicate a landfill influence.
- No landfill influences on surface water quality were observed in Falcon Creek, the watercourse in closest proximity to the proposed development area, adjacent to and downgradient of the Site.
- Combustible gas is present within the refuse footprint and, historically, has been detected within the on-site maintenance hole, MH23. Combustible gas concentrations were not detected in monitor 24-III located between the refuse footprint and the proposed development.

IMPACTS TO EXISTING LANDFILL INFRASTRUCTURE AND MONITORING

LEACHATE COLLECTION SYSTEM

As previously mentioned, there is a leachate collection system (LCS) which drains the landfill. The collected leachate drains from the site via gravity, flows south from the landfill area and into the regional sanitary sewer along North Service Road. As previously noted, the pipe that flows from the LCS to the regional sanitary sewer lies approximately 5 to 10 meters east of the boundary of the proposed development and beneath the proposed Hickory Lane. The LCS includes a series of manholes throughout the site. Maintenance hole 23 is utilized for routine leachate sampling as per the ECA.

As shown on **Figure 1-3**, the proposed development will be situated over a portion of the LCS which gravity drains to the regional sanitary sewer. It is understood that the proposed development will include upgrades to the access road and some maintenance holes and, as such, access to the LCS flow meter building and maintenance hole 23 will be improved and/or maintained. Additionally, several other maintenance holes (W26, W25, W24, A22, 17 through 22) are within area of the proposed development and access road upgrades.

Leachate collection operations shall not be impacted during or after construction or the proposed development. As such, construction activities, including upgrades to the maintenance holes, should include measures to locate and protect, if necessary, the existing LCS pipe and maintenance holes. The proposed development should also take into consideration the location of the maintenance holes and maintain accessibility for monitoring, inspection and repair.

COMBUSTIBLE GAS

Combustible gases (i.e., methane) produced by decomposition of the waste at the Site are less dense than air, and typically migrate upwards from the refuse through the permeable landfill cover and dissipate to the atmosphere. During periods of frost and/or snow cover, dissipation is reduced or inhibited which can result in higher methane gas concentrations in the shallow soils. As noted in the historical Annual Monitoring Reports for the Closed Burlington North Service Road Site, there is some localized lateral gas migration to the east of the waste footprint. Additionally, gas may potentially collect in closed maintenance holes or other on-site structures.

Combustible gas monitoring results for LCS manhole MH23 and the property boundary monitors, indicate that there is combustible gas in the refuse and along the east side of the site. However, during historic monitoring events, combustible gas has not been detected at monitor 24-III, which is located to the south of the landfill between the landfill footprint and the proposed development.

As a precaution, the interior of all occupied structures within the proposed development area should be continuously monitored by King for combustible gases as a health and safety measure. Results of the monitoring should be provided to Halton for inclusion in future annual monitoring reports.

In addition, it is recommended that monitoring for combustible gas in monitor 16-IV and maintenance hole 22 should be included in the routine landfill monitoring program going forward.

GROUNDWATER

Normal operations within the proposed development are not expected to have an impact on groundwater flow. As previously mentioned, the proposed development will not include underground structures and shallow groundwater has been typically observed at depths greater than 2.5 metres below the ground surface. It is noted that approximately 1.6 square meters or 71% of the proposed development will become impermeable (paved surface or building). This is, however, a small area compared to the approximately 14.4 hectare non-landfilled area south of the waste footprint. As such, a measurable impact on groundwater recharge is not expected.

Although there is no contaminant attenuation zone (CAZ) for the Site, the non-landfilled area to the south of the waste footprint acts as buffer land between the waste and southern property boundary. In addition, a CAZ south of the landfill is not required because there are no landfill influences towards the proposed development area and because of the presence of the leachate toe drain along the south waste footprint.

It is understood that strict environmental controls will be put in place to avoid spills associated with plant activities. It is recommended, however, that a spill response plan is developed for the site which includes contacting Halton staff immediately. Should a spill take place, Halton, in consultation with their environmental consultant, will determine if additional sampling of the groundwater monitors and/or surface water locations in the vicinity of the proposed development is required.

GROUNDWATER MONITORING LOCATIONS

Groundwater monitoring nests 16 and 27 are located near or within the proposed development. Based on the site layout plan provided by King, groundwater monitoring nest 16 will not be impacted by the proposed development. The wells should be protected, however, during periods of construction due their proximity to the proposed work areas. Details of the protective measures should be included with the proposed construction plan.

Groundwater nest 27 will likely be impacted by the proposed development. As such, it is recommended that the three monitoring wells at nest 27 are appropriately decommissioned and replaced as per Ontario Regulation 903. It is proposed to install replacement monitors immediately north of the proposed Hickory Lane or immediately south of the proposed SWM facility. Additionally, the new monitors should be protected from future site activities by means of bollards or barriers.

SURFACE WATER

The closest watercourse, Falcon Creek, is located approximately 800 meters south of the proposed development. The existing drainage swales/channels in the area of the proposed development feed into Falcon Creek. The proposed asphalt plant and stormwater management plan for the proposed development will maintain the functionality and general locations of the existing drainage swales/channels to the south of the landfill. Minor grading and some re-routing of the channels is proposed to facilitate the development. As previously noted, the existing drainage swales/channels converge at surface water monitoring location SW12 before discharging offsite. It is understood that the location of SW12 will not be impacted by the proposed development.

Stormwater will be managed on the proposed development through site grading, open ditches and ultimately collected in a dry pond facility. The proposed dry pond facility may discharge to the existing east channel during periods of heavy precipitation. The discharge location is located upgradient of SW12. As such, SW12 may include runoff from the landfill site and asphalt plant.

It is recommended that the proposed dry pond facility is inspected during the landfill's surface water sampling events. If the pond is observed to be discharging, then a sample should be obtained to ensure that if potential impacts detected at the downstream sampling location (SW14) are related to the landfill or the asphalt plant.

IMPACTS TO ECA CONDITIONS

The Burlington North Service Road Closed Landfill Site was operated and is currently monitored under Provisional Certificate of Approval A210102. Additionally, a landfill closure plan was prepared in December 1985. The proposed development will not impact the conditions of the Site's Certificate of Approval or closure plan.

CONCLUSIONS

Based on the review of the proposed plans and technical documents, the following conclusions are provided.

- Access to the landfill site will be maintained through a new access road which is part of the proposed development.
- It is understood that there will be minimal subsurface construction or development on the subject lands.
- Stormwater will be managed on the proposed development through site grading, open ditches and ultimately collected in a dry pond facility. The proposed asphalt plant and stormwater management plan for the proposed development will maintain the functionality and general locations of the existing drainage swales/channels.
- The proposed development will be situated over a portion of the LCS which gravity drains to the regional sanitary sewer. It is understood that the proposed development will include upgrades to the access road and certain maintenance holes and, as such, access to the LCS flow meter building and maintenance hole 23 will be maintained. Additionally, several other maintenance holes are within area of the proposed development and access road upgrades and access must be maintained.

- During historic monitoring events, combustible gas has not been detected at monitor 24-III, which is located to the south of the landfill between the landfill footprint and the proposed development.
- The proposed development is not expected to have an impact on groundwater flow. Shallow groundwater in the vicinity of the proposed development has been typically observed at depths greater than 2.5 metres below the ground surface.
- Impacts to the landfill infrastructure and monitoring components are minimal and can be addressed with the recommendations below.
- Impacts to the current monitoring program are not expected, except where noted below.
- The proposed development will not impact the conditions of the Site's Certificate of Approval.

RECOMMENDATIONS

The following recommendations are provided based on potential impacts to the Burlington North Service Road Closed Landfill infrastructure and monitoring.

- Construction activities should include measures to locate and protect, if necessary, the existing LCS pipe and maintenance holes in the vicinity of the proposed development. Details of the protective measures should be provided in the construction plan. The proposed development should also take into consideration the location of the maintenance holes and protecting future access.
- New structures completed as part of the proposed development should include a combustible gas detection system. In addition, monitoring for combustible gas in monitor 16-IV and maintenance hole 22 should be included in the routine landfill monitoring program. Results of the gas monitoring at these new locations should be included in future annual monitoring reports.
- Monitoring well nest 16 should be protected during periods of construction due their proximity to the proposed work areas. Details of the protective measures should be provided in the construction plan.
- The three monitoring wells at monitoring well nest 27 are likely to be impacted and should be appropriately decommissioned and replaced as per Ontario Regulation 903. It is proposed to install replacement monitors immediately north of the proposed Hickory Lane or immediately south of the proposed SWM facility. Additionally, the new monitors should be protected from future site activities by means of bollards or barriers.
- Discharge from he proposed dry pond facility should be monitored at a new station as part of the landfill's routine surface water monitoring. If the pond is observed to be discharging, then a sample should be obtained to assess potential impacts at the downstream sampling location (SW14).
- A spill response plan should be developed for the site which includes immediate notification provided to Halton Region. In the event of a spill, Halton, in consultation with their environmental consultant, will determine if additional sampling of the groundwater monitors and/or surface water locations in the vicinity of the proposed development is required.

CLOSING

We trust that this information is sufficient for your needs. Thank you for the opportunity to work on this study. If there are any questions, please contact us.

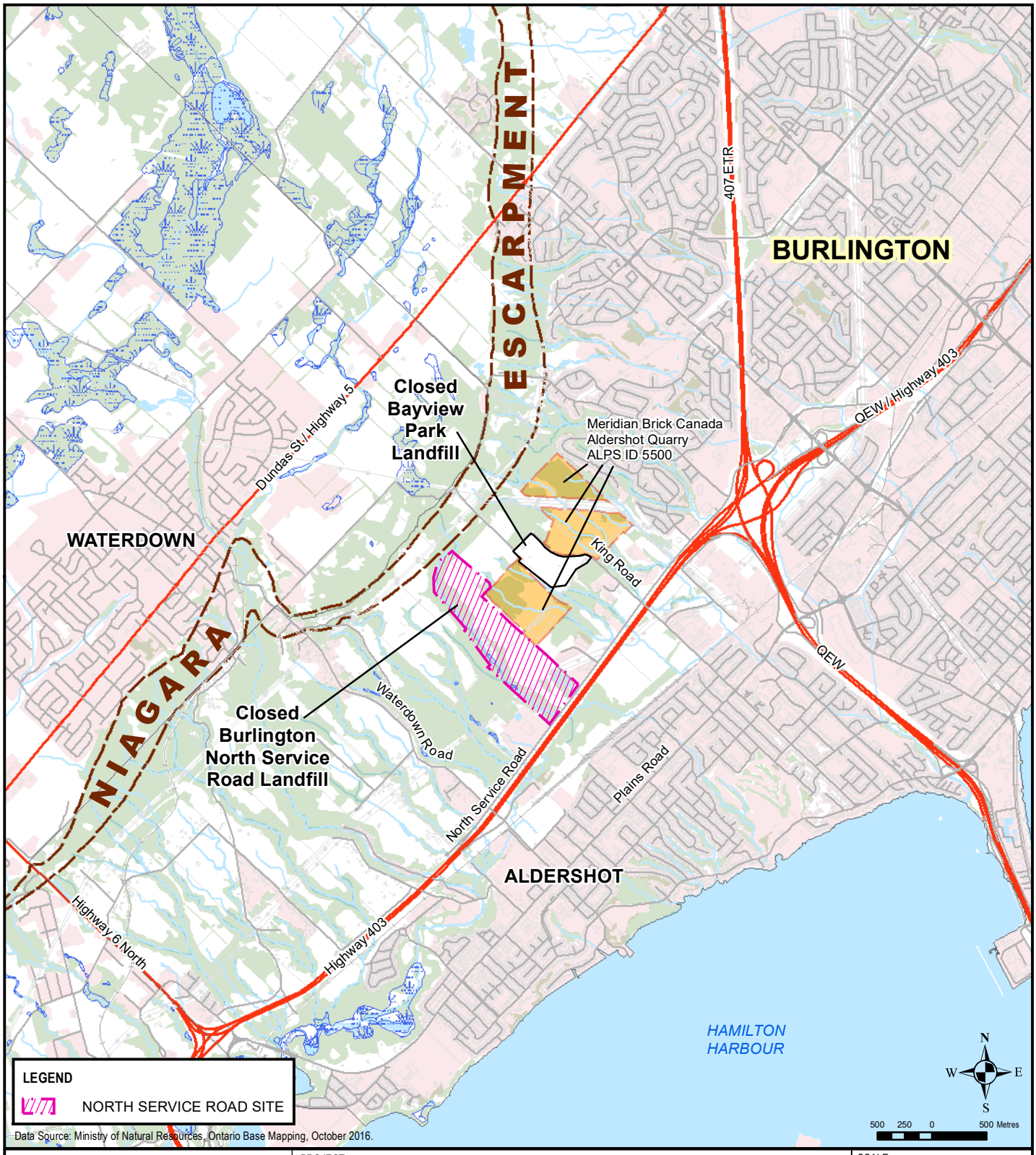
Kind regards,

Craig Leger, M.Sc., C.E.T.
Environmental Consultant

Leigh Davis, M.A.Sc., P.Eng.
Project Engineer, Earth & Environment

Encl. Figures 1-1, 1-2 & 1-3
WSP ref.: CA0013173.5987

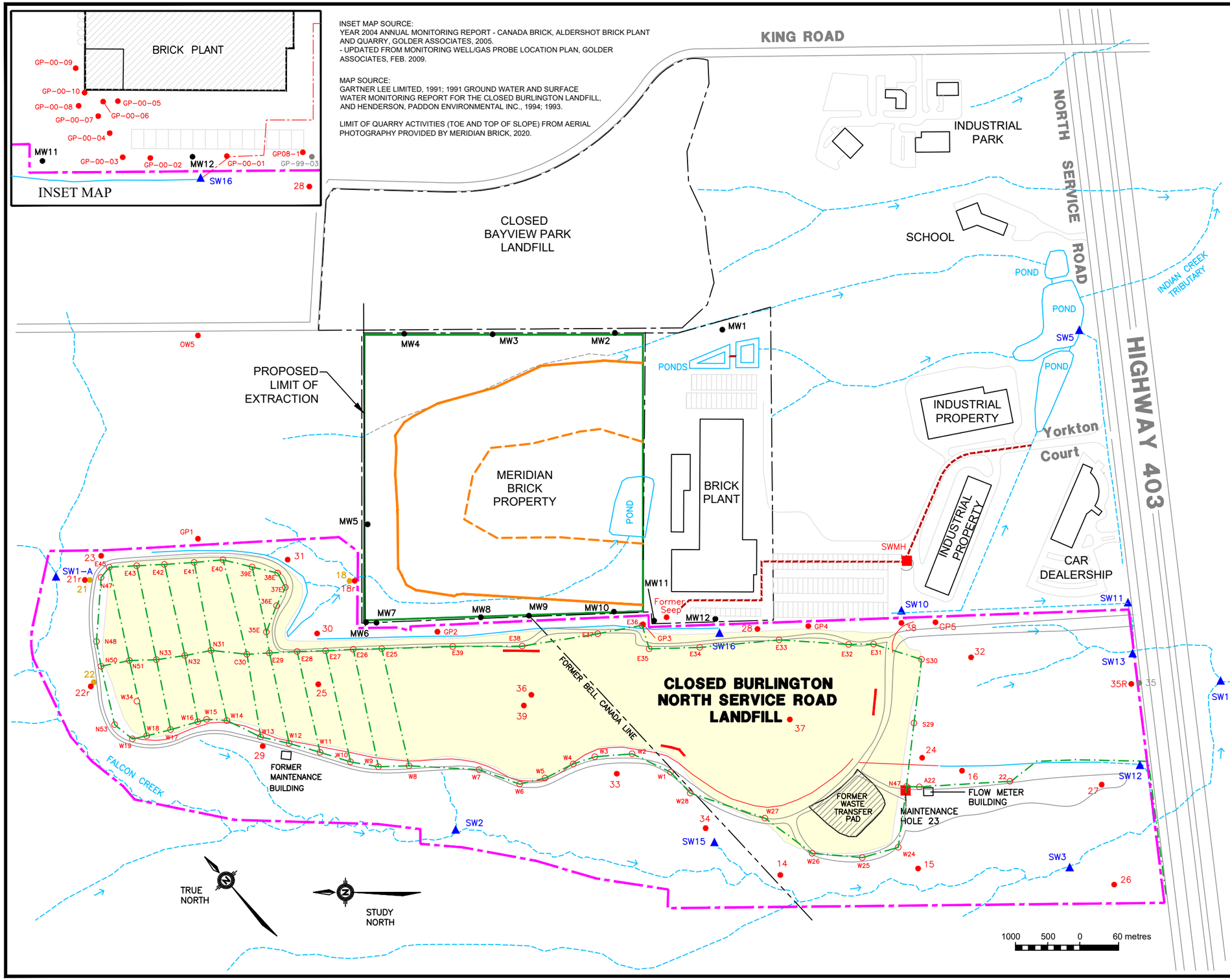




55 KING STREET, SUITE 700
ST.CATHARINES, ONTARIO CANADA L2R 3H5
WWW.WSP.COM

PROJECT: ASSESSMENT OF ECA AMENDMENTS CLOSED BURLINGTON NORTH SERVICE ROAD LANDFILL SITE	SCALE: 1:50,000
	DRAWN BY: SCL / CHECKED BY: -
TITLE: LOCATION MAP	PROJECT NO: CA0013173.5987
	DATE: JANUARY 2024
CLIENT: KING PAVING AND CONSTRUCTION	FIGURE NO: 1-1 / REV.: -

Document Path: S:\Projects\2018\181-30000-00 Halton Closed LF\100 Burlington North Service Road\1005\Graphics\181-30000-100-1005-F1-1-LM.mxd



55 KING STREET, SUITE 700
ST. CATHARINES, ON CANADA L2R 3H5
WWW.WSP.COM

LEGEND

- 24 GROUNDWATER MONITOR LOCATION AND DESIGNATION
- 18 FORMER MONITOR LOCATION, DECOMMISSIONED IN 2016
- 35 PREVIOUS BOREHOLE LOCATION AND DESIGNATION (DESTROYED, DECOMMISSIONED OR DAMAGED AND NO LONGER IN USE)
- MW1 MERIDIAN BRICK BOREHOLE LOCATION & DESIGNATION
- SW3 SURFACE WATER MONITORING STATION & DESIGNATION
- INTERMITTENT DRAINAGE COURSE WITH FLOW DIRECTION
- FORMER DRAINAGE COURSE
- PROPERTY BOUNDARY
- APPROXIMATE EXTENT OF REFUSE
- LEACHATE COLLECTION SYSTEM
- STORM SEWER (LANDFILL SITE)
- STORM SEWER (HANSON BRICK SITE)
- SEEP REPAIR LOCATION
- APPROX. LIMIT OF QUARRY ACTIVITIES - TOP OF SLOPE
- APPROX. LIMIT OF QUARRY ACTIVITIES - TOE OF SLOPE

CLIENT:
REGIONAL MUNICIPALITY OF HALTON

CLIENT REF. #:

PROJECT:
ASSESSMENT OF ECA AMENDMENTS CLOSED BURLINGTON NORTH SERVICE ROAD LANDFILL SITE

PROJECT NO:	DATE / DATE:
CA0013173.5987	JANUARY 2024

DESIGNED BY:

DRAWN BY: SCL

CHECKED BY:

FIGURE NO:	SCALE:
1-2	1:6000 (APPROX.)

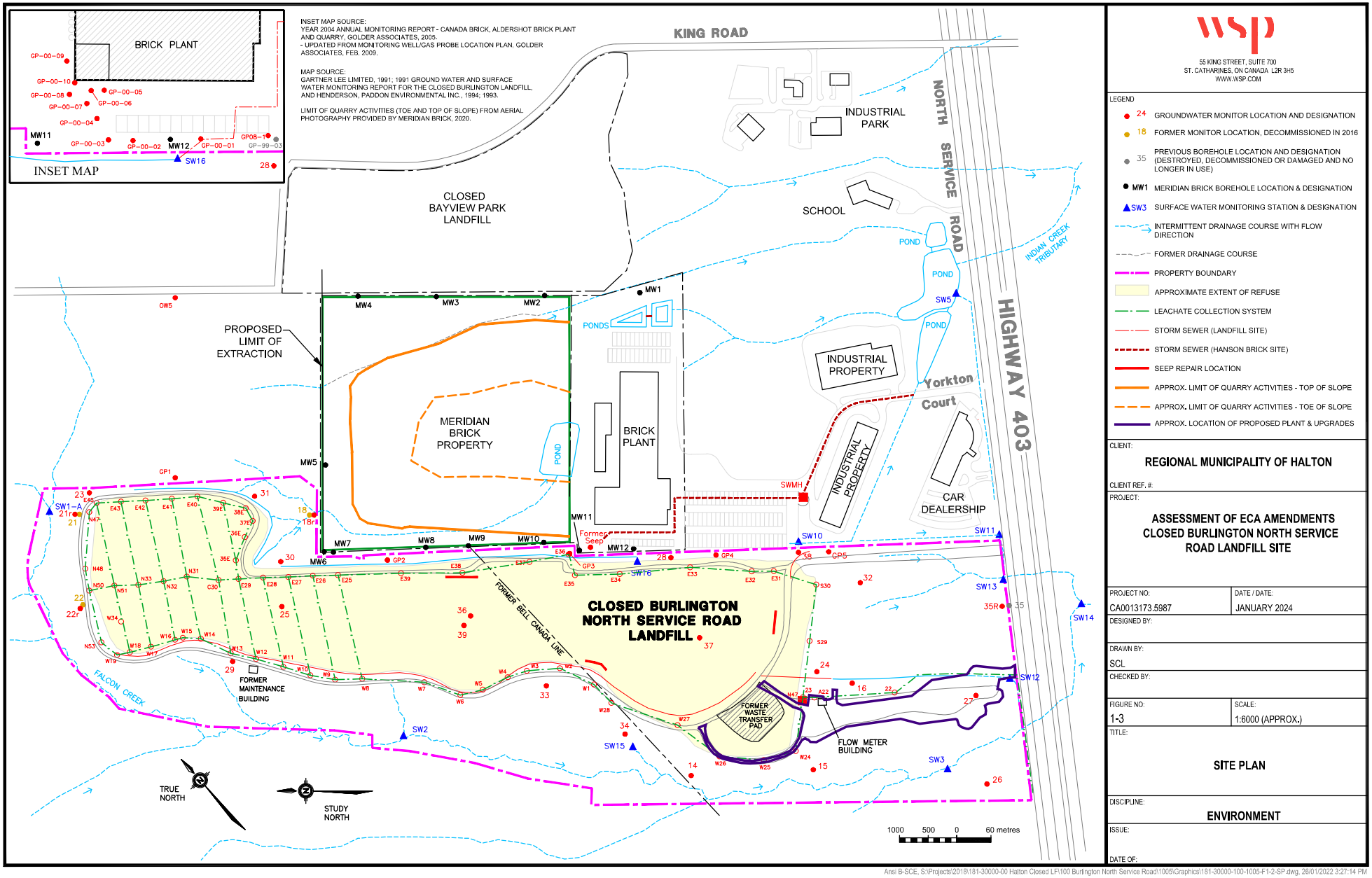
TITLE:
SITE PLAN

DISCIPLINE:
ENVIRONMENT

ISSUE:

DATE OF:

Ansi B-SCE, S:\Projects\2018\181-30000-00 Halton Closed LF\100 Burlington North Service Road\1005\Graphics\181-30000-100-1005-F1-2-SP.dwg, 26/01/2022 3:27:14 PM



wsp
55 KING STREET, SUITE 700
ST. CATHARINES, ON CANADA L2R 3H5
WWW.WSP.COM

LEGEND

- 24 GROUNDWATER MONITOR LOCATION AND DESIGNATION
- 18 FORMER MONITOR LOCATION, DECOMMISSIONED IN 2016
- 35 PREVIOUS BOREHOLE LOCATION AND DESIGNATION (DESTROYED, DECOMMISSIONED OR DAMAGED AND NO LONGER IN USE)
- MW1 MERIDIAN BRICK BOREHOLE LOCATION & DESIGNATION
- SW3 SURFACE WATER MONITORING STATION & DESIGNATION
- INTERMITTENT DRAINAGE COURSE WITH FLOW DIRECTION
- FORMER DRAINAGE COURSE
- PROPERTY BOUNDARY
- APPROXIMATE EXTENT OF REFUSE
- LEACHATE COLLECTION SYSTEM
- STORM SEWER (LANDFILL SITE)
- STORM SEWER (HANSON BRICK SITE)
- SEEP REPAIR LOCATION
- APPROX. LIMIT OF QUARRY ACTIVITIES - TOP OF SLOPE
- APPROX. LIMIT OF QUARRY ACTIVITIES - TOE OF SLOPE
- APPROX. LOCATION OF PROPOSED PLANT & UPGRADES

CLIENT:
REGIONAL MUNICIPALITY OF HALTON

CLIENT REF. #:

PROJECT:
ASSESSMENT OF ECA AMENDMENTS CLOSED BURLINGTON NORTH SERVICE ROAD LANDFILL SITE

PROJECT NO:	DATE / DATE:
CA0013173.5987	JANUARY 2024

DESIGNED BY:

DRAWN BY: SCL

CHECKED BY:

FIGURE NO:	SCALE:
1-3	1:6000 (APPROX.)

TITLE:
SITE PLAN

DISCIPLINE:
ENVIRONMENT

ISSUE:

DATE OF:

Ansi B-SCE, S:\Projects\2018\181-30000-00 Halton Closed LF\100 Burlington North Service Road\1005\Graphics\181-30000-100-1005-F1-2-SP.dwg, 26/01/2022 3:27:14 PM