

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 6218-C3SUEF

Issue Date: July 2, 2021

2730646 Ontario Inc.
210 South Street
Municipality of Southwest Middlesex, Ontario
N0L 1M0

Site Location: Glen Meadows Subdivision
Lot 24, Concession 2
Municipality of Southwest Middlesex, County of
Middlesex

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

the establishment of stormwater management Works to serve Glen Meadows Residential Development located in the Municipality of Southwest Middlesex, for the collection, transmission, treatment and disposal of stormwater runoff from a total catchment area of 14.1 hectares, to provide Enhanced Level water quality protection and erosion control, and to attenuate post-development peak flows to allowable peak flows for all storm events up to and including the 250-year storm event, discharging to McMurchy Drain and existing sewers, consisting of the following:

- **sanitary sewers** on Charlotte Street from 82 metres north east of Randolph Street to Randolph Street, discharging to sewers on Randolph Street;
- **sanitary sewers** on Randolph Street from Charlotte Street to John Street, discharging to sanitary sewers on John Street;
- **sanitary sewers** on Elizabeth Street from Charlotte Street to John Street, discharging to sanitary sewers on John Street;
- **sanitary sewers** on King Street from Charlotte Street to John Street, discharging to existing sanitary sewers on Elizabeth Street;
- **sanitary sewers** on John Street, from approximately 90 metres north east of Randolph Street to Elizabeth Street and from King Street to Elizabeth Street, discharging to existing storm sewers on Elizabeth Street;

- **storm sewers** on Randolph Street from approximately 53 metres southeast of Charlotte Street to Charlotte Street, discharging to storm sewers on Charlotte Street;
- **storm sewers** on Randolph Street from approximately 91 metres northwest of John Street to John Street, discharging to storm sewers on John Street;
- **storm sewers** on Elizabeth Street from approximately 97 metres southeast of Charlotte Street to Charlotte Street, discharging to storm sewers on Charlotte Street;
- **storm sewers** on Elizabeth Street approximately 45 metres northwest of John Street to John Street, discharging to storm sewers on John Street;
- **storm sewers** on King Street from approximately 71 metres southeast of Charlotte Street to Charlotte Street, discharging to storm sewers on Charlotte Street;
- **storm sewers** on King Street approximately 72 metres northwest of John Street to John Street, discharging to storm sewers on John Street;
- **storm sewers** on John Street from Randolph Street to approximately 62 metres northeast of Randolph Street discharging to the oil and grit separator 1 described below;
- **storm sewers** on John Street from Randolph Street to approximately 43 metres northeast of Victoria Street and from Victoria Street to approximately 43 metres northeast of Victoria Street, discharging to the stormwater management pond described below;
- **storm sewers** on Charlotte Street from approximately 92 metres northeast of Randolph Street to approximately 53 metres northeast of Victoria Street and from Victoria Street to approximately 53 metres northeast of Victoria Street, discharging to the stormwater management pond described below;
- **oil and grit separator 1 (catchment area 2.9 hectares):** one (1) oil and grit separator, CDS PMSU 3025_m or Equivalent Equipment, located on the east corner of the site, providing Enhanced Level of protection, having a sediment storage capacity of 2402 litres, an oil storage capacity of 795 litres, a total storage volume of approximately 4920 litres, and a maximum treatment rate of 68 litres per second, discharging via a 600 millimetre diameter outlet pipe to Coad Street storm sewer;
- **stormwater management facility (catchment area 11.2 hectares):** one (1) dry pond, located in the west corner of the site, having a maximum available storage volume of 6845 cubic metres and a maximum depth of 1.7 metres, complete with one two (2) inlet structures, consisting of 600 millimetre diameter storm sewer and a 900 millimetre diameter storm sewer, and one (1) outlet structure, consisting of a 450 millimetre diameter storm outlet pipe equipped with a 315 millimetre diameter orifice, discharging to the oil and grit separator 2 described below;
- **oil and grit separator 2 (catchment area 11.2 hectares):** one (1) oil and grit separator, CDS PMSU 3030_6ES or Equivalent Equipment, located on the west corner of the site, providing Enhanced Level of protection, having a sediment storage capacity of 3203 litres, an oil storage

capacity of 895 litres, a total storage volume of approximately 6085 litres, and a maximum treatment rate of 85 litres per second, discharging via a 450 millimetre diameter outlet pipe to McMurchy Drain;

- **Eight (8) bioretention trenches (catchment area 0.73 hectares)**, located on site, having a maximum allowable storage depth of 0.10 metres and a maximum available storage volume of 20.4 cubic metres, comprised of a 200 millimetre deep clear stone layer, a 75 millimetre deep pea gravel layer, 75 millimetre coarse sand layer, 460 millimetre deep filter media layer, and a 100 millimetre mulch layer complete with a 100 millimetre diameter perforated storm sub-drain installed in the clear stone layer discharging to the proposed storm sewers;

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted application and supporting documents listed in Schedule A forming part of this Approval.

For the purpose of this environmental compliance approval, the following definitions apply:

1. "Approval" means this entire document and any schedules attached to it, and the application;
2. "Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;
3. "District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;
4. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;
5. "Equivalent Equipment" means a substituted equipment or like-for-like equipment that meets the required quality and performance standards of the approved named equipment;
6. "Ministry" means the ministry of the government of Ontario responsible for the EPA and OWRA and includes all officials, employees or other persons acting on its behalf;
7. "Owner" means 2730646 Ontario Inc., and includes its successors and assignees;
8. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
9. "Works" means the sewage Works described in the Owner's application, and this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.
2. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.
3. Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.
4. Where there is a conflict between the documents listed in Schedule A and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.
5. The conditions of this Approval are severable. If any condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

1. This Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.
2. In the event that completion and commissioning of any portion of the Works is anticipated to be delayed beyond the specified expiry period, the Owner shall submit an application of extension to the expiry period, at least twelve (12) months prior to the end of the period. The application for extension shall include the reason(s) for the delay, whether there is any design change(s) and a review of whether the standards applicable at the time of Approval of the Works are still applicable at the time of request for extension, to ensure the ongoing protection of the environment.

3. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:
 - a. change of Owner;

- b. change of address of the Owner;
 - c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act*, R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; or
 - d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the *Corporations Information Act*, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.
- 2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.
 - 3. The Owner shall ensure that all communications made pursuant to this condition refer to the number at the top of this Approval.

4. OPERATION AND MAINTENANCE

- 1. If applicable, any proposed storm sewers or other stormwater conveyance in this Approval can be constructed but not operated until the proposed stormwater management facilities in this Approval or any other Approval that are designed to service the storm sewers or other stormwater conveyance are in operation.
- 2. The Owner shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the Works do not constitute a safety or health hazard to the general public.
- 3. The Owner shall undertake an inspection of the condition of the Works, at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the Works to prevent the excessive build-up of sediment, oil/grit, debris and/or decaying vegetation, to avoid reduction of the capacity and/or permeability of the Works, as applicable. The Owner shall also regularly inspect and clean out the inlet to and outlet from the Works to ensure that these are not obstructed.
- 4. The Owner shall construct, operate and maintain the Works with the objective that the effluent from the Works is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen, foam or discoloration on the receiving waters.
- 5. The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Owner's administrative office for inspection by the Ministry. The logbook shall include the following:
 - a. the name of the Works; and

- b. the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed and method of clean-out of the Works.
6. The Owner shall prepare an operations manual prior to the commencement of operation of the Works that includes, but is not necessarily limited to, the following information:
 - a. operating and maintenance procedures for routine operation of the Works;
 - b. inspection programs, including frequency of inspection, for the Works and the methods or tests employed to detect when maintenance is necessary;
 - c. repair and maintenance programs, including the frequency of repair and maintenance for the Works;
 - d. contingency plans and procedures for dealing with potential spills and any other abnormal situations and for notifying the District Manager; and
 - e. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.
7. The Owner shall maintain the operations manual current and retain a copy at the Owner's administrative office for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.

5. TEMPORARY EROSION AND SEDIMENT CONTROL

1. The Owner shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections once every two (2) weeks and after each significant storm event (a significant storm event is defined as a minimum of 25 millimetres of rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.
2. The Owner shall maintain records of inspections and maintenance which shall be made available for inspection by the Ministry, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and erosion control measures.

6. REPORTING

1. One (1) week prior to the start-up of the operation of the Works, the Owner shall notify the District Manager (in writing) of the pending start-up date.
2. The Owner shall, upon request, make all reports, manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.

3. The Owner shall prepare a performance report within ninety (90) days following the end of the period being reported upon, and submit the report(s) to the District Manager when requested. The first such report shall cover the first annual period following the commencement of operation of the Works and subsequent reports shall be prepared to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:
 - a. a description of any operating problems encountered and corrective actions taken;
 - b. a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works, including an estimate of the quantity of any materials removed from the Works;
 - c. a summary of any complaints received during the reporting period and any steps taken to address the complaints;
 - d. a summary of all spill or abnormal discharge events; and
 - e. any other information the District Manager requires from time to time.

7. RECORD KEEPING

1. The Owner shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the operation, maintenance and monitoring activities required by this Approval.

8. SPECIAL CONDITION

1. Within one (1) year of the issuance date of this Approval, the Owner shall prepare and submit to the District Manager, a summary report outlining the findings from the Glencoe sanitary system modelling study. This summary report shall contain, at a minimum, any adverse effects anticipated by connecting the Glen Meadows Subdivision to the sanitary system, recommendations from the consultant, timeline for the implementation of the recommendations (if applicable) and how the effects can be mitigated until such time the recommendations are implemented (if applicable).

Schedule A

1. Application for Environmental Compliance Approval, dated November 24, 2020 and received on December 11, 2020 from MTE Consultants Inc.;
2. Engineering Drawings, stamped and dated on April 14, 2021, prepared by MTE Consultants Inc.;
3. Stormwater Management Report titled "Glencoe Subdivision, Stormwater Management Report" dated June 5, 2020 and revised April 13, 2021 prepared by MTE Consultants Inc.;
4. Pipe data form prepared by MTE Consultants Inc.;
5. Water quality update brief dated May 25, 2021 prepared by MTE Consultants Inc.;
6. Project description and design brief dated June 1, 2021 prepared by MTE Consultants Inc.;
7. Revised drawings dated June 1, 2021 prepared by MTE Consultants Inc.;
8. Emails from Joshua Monster, P.Eng., MTE Consultants Inc. dated April 7, April 13, April 14, April 27, April 29, May 7, May 10, May 14, May 18, May 19, May 25, and June 1, 2021; and
9. Email from Greg Storms, Director of Operations, Municipality of Southwest Middlesex dated May 7, 2021.

The reasons for the imposition of these terms and conditions are as follows:

1. Condition 1 is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.
2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.
3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to the approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.
4. Condition 4 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from the Works are required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. The Condition also ensures that adequate storage is maintained in the Works at all times as required by the design. Furthermore, this Condition is included to ensure that the Works are operated and maintained to function as designed.
5. Condition 5 is included as installation, regular inspection and maintenance of the temporary sediment and erosion control measures is required to mitigate the impact on the downstream receiving watercourse during construction until they are no longer required.
6. Condition 6 is included to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this Approval, so that the Ministry can work with the Owner in resolving any problems in a timely manner.
7. Condition 7 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.
8. Condition 8 is included to ensure that the downstream collection system has sufficient capacity to convey the additional flow from the proposed sanitary sewers, and that any corresponding change to the amount and quality of sewage discharged can be determined and treated, such that the environment is protected.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, 1993, the Minister of the Environment, Conservation and Parks, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Minister of the Environment, Conservation and Parks will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance

- approval in respect of which the hearing is required, and;
b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Minister of the Environment,
Conservation and Parks
777 Bay Street, 5th Floor
Toronto, Ontario
M7A 2J3

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

This instrument is subject to Section 38 of the Environmental Bill of Rights, 1993, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at <https://ero.ontario.ca/>, you can determine when the leave to appeal period ends.

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 2nd day of July, 2021



Aziz Ahmed, P.Eng.

Director

appointed for the purposes of Part II.1 of the
Environmental Protection Act

SF/

c: District Manager, DWECD, MECP London - District Office
Joshua Monster, P.Eng., MTE Consultants Inc.