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Ministry of the Environment
Ministère de l'Environnement

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 4963-9B8R7P

Issue Date: September 9, 2013

1087086 Ontario Inc.
3100 Steeles Avenue West
Vaughan, Ontario
L4K 3R1

Site Location: Norwood Estates East and West Subdivisions
Maple Avenue and Spruce Drive
Township of Asphodel-Norwood, County of Peterborough

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:

establishment of wastewater infrastructure to be constructed to service the 0.86 hectare Norwood Estates East residential subdivision and the 2.86 hectare Norwood Estates West residential subdivision, located north of Birch Street on Maple Avenue, east and west of Spruce Drive in the Township of Asphodel-Norwood, within the Ouse River watershed, including stormwater management facilities for the collection, treatment and disposal of stormwater run-off from the development, to provide Normal Level water quality control and erosion protection, and to attenuate post-development peak flows to pre-development levels for all storm events up to and including the 100-year storm event, consisting of the following:

sanitary sewers on Maple Avenue East, connecting to the existing 200 mm diameter sanitary sewer at the intersection of Spruce Drive and Maple Avenue; and on Birch Street and Maple Avenue, connecting to existing sanitary manhole (MH1) on Maple Avenue, all discharging via the existing Maple Avenue Pump Station and existing 100 mm diameter sanitary forcemain to the Norwood Wastewater Treatment Plant, subject to Condition 1. (9) under General Provisions, below;

storm sewers, including sections of superpipe on Maple Avenue East, identified below; and on Birch Street, Easement Block 28, and Maple Avenue, discharging to the stormwater management facility, identified below:

superpipe (catchment area 1.64 hectares): - approximately 82 m of oversized storm sewer on Maple Avenue East, providing approximately 49 m³ of pipe storage, discharging to an existing 300 mm diameter storm sewer at the intersection of Spruce Drive and Maple Avenue, and draining ultimately to the stormwater management facility, identified below;

stormwater management facility (catchment area 6.93 hectares): - a wet pond located north of Maple Avenue on Block 26 of Norwood Estates West, with a sediment forebay, having a permanent pool volume of 520 m³, an extended detention volume of 1,803 m³, and a total storage volume of approximately 2,323 m³, including the permanent pool volume, at a total depth of approximately 3.6 m, collecting drainage from both the Norwood Estates East and West subdivisions and discharging via a 750 mm diameter outlet storm sewer to the existing ditch at the north-west corner of Norwood Estates West, discharging to the Ouse River, approximately 0.4 km distant, and the Trent River;

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 supporting documents listed in Schedule "A" forming part of this Approval.

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

"Approval" means this entire document including the application and any supporting documents listed in any schedules in this Approval;

"Director" means a person appointed by the Minister pursuant to section 5 of the Environmental Protection Act for the purposes of Part II.1 of the Environmental Protection Act;

"District Manager" means the District Manager of the Peterborough office of the Ministry;

"Ministry" means the ministry of the government of Ontario responsible for the Environmental Protection Act and the Ontario Water Resources Act and includes all officials, employees or other persons acting on its behalf;

"Owner" means 1087086 Ontario Inc. and includes their successors and assignees;

"Source Protection Plan" means a drinking water source protection plan prepared under the Clean Water Act, 2006;

"Water Supervisor" means the Water Supervisor of the Peterborough and Belleville offices of the Ministry;

"Works" means the sewage works described in the Owner's application(s) 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 PROVISIONS

(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) The designation of the Township of Asphodel-Norwood as the operating authority of the site on the application for approval of the Works does not relieve the Owner from the responsibility of complying with any and all of the Conditions of this Approval.

(3) 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.

(4) Where there is a conflict between a provision of any submitted document 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 listed submitted documents, the document bearing the most

recent date shall prevail.

(5) Where there is a conflict between the listed submitted documents, and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

(6) 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.

(7) The issuance of, and compliance with the Conditions of this Approval does not:

(a) relieve any person of any obligation to comply with any provision of any applicable statute, regulation or other legal requirement, including, but not limited to, the obligation to obtain approval from the local conservation authority necessary to construct or operate the sewage Works; or

(b) limit in any way the authority of the Ministry to require certain steps be taken to require the Owner to furnish any further information related to compliance with this Approval.

(8) This Approval includes the treatment and disposal of stormwater run-off from Norwood Estates East and Norwood Estates West residential subdivisions, located north of Birch Street, east and west of Spruce Drive in the Township of Asphodel-Norwood, to the stormwater management facility on Maple Avenue. This Approval is also for the treatment and disposal of stormwater run-off from approximately 3.2 hectares of existing adjacent land also draining to the stormwater management facility on Maple Avenue, for a total drainage area of 6.93 hectares, assuming an average imperviousness of 40%. Any changes within the drainage area that might increase the required storage volumes or increase the flows to or from the wet pond or any structural/physical changes to the wet pond including the inlets or outlets will require an amendment to this Approval.

(9) This Approval for construction Phase 2, identified as the servicing of lots 1 to 15, 22, 23 and Block 24 in Norwood Estates West residential subdivision, is conditional on an assessment of the capacity of the existing Maple Avenue Pump Station to accommodate the sanitary sewage flows from lots 1 to 15, 22, 23 and Block 24 in Norwood Estates West, as recommended in the submitted supporting documents listed in Schedule "A", to the satisfaction of the District Manager. Any changes to the capacity of the Maple Avenue Pump Station, including structural, physical or equipment changes, will require an amendment to the Approval for the Maple Avenue Pump Station.

2. EXPIRY OF APPROVAL

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.

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;

(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 in ownership to the municipal, i.e. assumption of the Works, the Owner shall notify the succeeding owner in writing of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

(3) Notwithstanding any other requirements in this Approval, upon transfer of the ownership of the Works to a municipality, if applicable, any reference to the "District Manager" within the Terms and Conditions of this Approval shall be replaced with "Water Supervisor".

4. OPERATION AND MAINTENANCE

(1) The Owner shall ensure that the design minimum liquid retention volume is maintained at all times.

(2) The Owner shall inspect the Works at least **once a year** and, if necessary, clean and maintain the Works to prevent the excessive build-up of sediments and/or vegetation.

(3) 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 office for inspection by the Ministry. The logbook shall include the following:

(a) the name of the Works

(b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed.

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 mm 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. RECORD KEEPING

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 and maintenance activities required by this Approval.

7. SOURCE PROTECTION

The Owner shall, within **sixty (60) calendar days** of the Minister of the Environment posting approval

of a Source Protection Plan on the environmental registry established under the Environmental Bill of Rights, 1993 for the area in which this Approval is applicable, apply to the Director for an amendment to this Approval that includes the necessary measures to conform with all applicable policies in the approved Source Protection Plan.

Schedule "A"

1. Two (2) Applications for Environmental Compliance Approval , both dated May 28, 2013 and received on June 21, 2013, submitted by MMK Engineering Inc.;
2. Stormwater Management Report, East & West Subdivisions, Norwood Estates (1 & 2), Township of Asphodel-Norwood , dated May 28, 2013, prepared by MMK Engineering Inc.;
3. Copy of a letter from the Otonabee Region Conservation Authority to the County of Peterborough, dated June 11, 2013;
4. Capacity Assessment for Maple Avenue Pump Station, Norwood Estates , dated January 22, 2012, prepared by Jain Infrastructure Consultants Ltd.;
5. Set of Engineering Drawings for Norwood Estates, East & West Subdivisions (20 drawings), dated May 28, 2013, prepared by MMK Engineering Inc.;
6. E-mail from Akram Hanna of MMK Engineering Inc. to the Ministry, dated September 6, 2013.

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

1. Condition 1 is imposed to ensure that the Works are built and operated in the manner in which they were described for review 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 approved Works and to ensure that any subsequent Owner of the Works is made aware of the Approval and continues to operate the Works in compliance with it.
4. Condition 4 is included to require that the Works be properly operated and maintained such that the environment is protected.
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 require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.
7. Condition 7 is included to ensure that the Works covered by this Approval will conform to the significant threat policies and designated Great Lakes policies in the Source Protection Plan.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

1. 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;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

3. The name of the appellant;
4. The address of the appellant;
5. The environmental compliance approval number;
6. The date of the environmental compliance approval;
7. The name of the Director, and;
8. 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 Director appointed for the
purposes of Part II.1 of the
Environmental Protection Act
Ministry of the Environment
2 St. Clair Avenue West, Floor
12A
Toronto, Ontario
M4V 1L5

*** 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) 314-3717 or www.ert.gov.on.ca**

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

DATED AT TORONTO this 9th day of September,
2013

Edgardo Tovilla
Director
appointed for the purposes of Part II.1 of
the *Environmental Protection Act*

DC/
c: District Manager, MOE Peterborough office
Water Supervisor, MOE Peterborough and Belleville offices
Akram Hanna, P. Eng., MMK Engineering Inc.