

APPENDIX C

ECAs



Ministry of the Environment
Ministère de l'Environnement

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 6206-9EFSHJ

Issue Date: January 21, 2014

The Corporation of the Township of North Dumfries
1171 Greenfield Road
Rural Route, No. 4
Cambridge, Ontario
N1R 5S5

Site Location: Gibson Street
Township of North Dumfries
Regional Municipality of Waterloo, Ontario

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:

sanitary and storm sewers to be constructed in the Township of North Dumfries, in the Regional Municipality of Waterloo, as follows:

- **sanitary sewers** on Gibson Street from approximately 15 m north of Gibson Street to Gibson Street and
along Gibson Street approximately 40 m westerly;

- **storm sewers** on Gibson Street from approximately 10 m north of Gibson Street to Gibson Street and along
Gibson Street approximately 7 m westerly;

all in accordance with the application from the Corporation of the Township of North Dumfries, dated October 17, 2013, including final plans and specifications prepared by MTE Consultants Inc.

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

1. "Approval" means this Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation;
2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;
3. " *District Manager* " means the District Manager of the appropriate local district office of the *Ministry*, where the *Works* are geographically located;
4. "Ministry" means the Ontario Ministry of the Environment;
5. "Owner" means The Corporation of the Township of North Dumfries and includes its successors and assignees;

6. " *Water Supervisor* " means the Water Supervisor of the appropriate local Safe Drinking Water Branch office of the *Ministry*, where the *Works* are geographically located; and

7. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by 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

1.1 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.

1.2 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, the application for approval of the Works and the submitted supporting documents and plans and specifications as listed in this Approval.

1.3 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.

1.4 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.

1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

The approval issued by 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 Water Supervisor 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 Water Supervisor;

(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 Water Supervisor.

4. SOURCE WATER PROTECTION

4.1 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.

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. The Condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval of the existence of this Approval.
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 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 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 21st day of January, 2014

Katrina Chrzanowska, P.Eng.
Director
appointed for the purposes of Part II.1 of
the *Environmental Protection Act*

RS/
c: District Manager, MOE Guelph District Office
Water Supervisor, MOE Guelph District Office
Rodger Mordue, The Corporation of the Township of North Dumfries
Kris Fletcher, Regional Clerk, Region of Waterloo (File # ND-01-13)
Badrul Khan, P.Eng., Senior Project Manager, Region of Waterloo (File # ND-01-13)
Carrie Curtis, MTE Consultants Inc.

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1549-C73QUT

Issue Date: October 22, 2021

2081788 Ontario Corporation
836 Normandy Drive
Woodstock, Ontario
N4T 0E6

Site Location:Broos Subdivision Phase 2
869 Brant-Waterloo Road
Township of North Dumfries, Regional Municipality of Waterloo

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 relating to the Broos Subdivision Phase 2, located in the Township of North Dumfries, for the collection, transmission, treatment and disposal of stormwater runoff, to provide Enhanced Level quality control, erosion protection, and quantity control, attenuating post-development peak flows for all storms up to and including the 100-year storm event to pre-development peak flow release rates, consisting of the following:

oil and grit separator (catchment area 7.66 hectares): one (1) oil and grit separator, HydroStorm HS10 or Equivalent Equipment, located on Leslie Davis Street, approximately 12 metres west of Robert Wyllie Street, providing Enhanced Level of protection, having a sediment storage capacity of 13.2 cubic metres, an oil storage capacity of 4,355 litres, a total storage volume of approximately 20.0 cubic metres and a maximum treatment rate of 250 litres per second, receiving inflow from storm sewers on Leslie Davis Street, discharging via a 750 millimetre diameter outlet pipe to the storm sewers on Leslie Davis Street;

oil and grit separator (catchment area 3.65 hectares): one (1) oil and grit separator, HydroStorm HS8 or Equivalent Equipment, located on Robert Wyllie Street approximately 11 metres north of Leslie Davis Street, providing Enhanced Level of protection, having a sediment storage capacity of 6.3 cubic metres, an oil storage capacity of 2,372 litres, a total storage volume of approximately 10.0 cubic metres, and a maximum treatment rate of 150 litres per second, receiving inflow from storm sewers on Street H (Robert Wyllie Street), discharging via a 600 millimetre diameter outlet pipe to the storm sewers on Leslie Davis Street;

oil and grit separator (catchment area 3.64 hectares): one (1) oil and grit separator, HydroStorm HS8 or Equivalent Equipment, located on Leslie Davis Street approximately 25 metres east of Robert Wyllie Street, providing Enhanced Level of protection, having a sediment storage capacity of 6.3 cubic metres, an oil storage capacity of 2,372 litres, a total storage volume of approximately 10.0 cubic metres, and a maximum treatment rate of 150 litres per second, receiving inflow from storm sewers on Leslie Davis Street, discharging via a 600 millimetre diameter outlet pipe to the storm sewers on the easement adjacent to Block 329;

oil and grit separator (catchment area 5.85 hectares): one (1) oil and grit separator, HydroStorm HS10 or Equivalent Equipment, located within an easement between Lot 225 and 226 approximately 35 metres east of Duff Wilson Crescent, providing Enhanced Level of protection, having a sediment storage capacity of 13.2 cubic metres, an oil storage capacity of 4,355 litres, a total storage volume of approximately 20.0 cubic metres and a maximum treatment rate of 250 litres per second, receiving inflow from storm sewers on Duff Wilson Crescent, discharging via a 750 millimetre diameter outlet pipe to the proposed stormwater management facility;

stormwater management facility (catchment area 23.29 hectares, 60.5% imperviousness): one (1) constructed wetland with a rip-rap lined inlet micropool at the northwest end and two (2) dividing berms for extending the flow path, located at the southeast corner of the site, having a permanent pool volume of 2,088 cubic metres, an extended detention volume of 4,360 cubic metres and total storage volume of 13,411 cubic metres for the 100-year storm, including two (2) inlet pipes located at the northwest end of the wetland having diameters of 1,050 millimetres and 750 millimetres each within a concrete headwall, an outlet micropool at the southeast end, a water quality/ extended detention outlet consisting of a 300 millimetre diameter reverse sloped pipe with a 90 millimetre diameter orifice and storm sewers approximately 30 metres in length, discharging to the proposed storm sewers on Brant-Waterloo Road, a water quantity outlet consisting of twin 600 millimetre diameter pipes within a concrete headwall and a 1.8 metre wide concrete emergency overflow weir, discharging to the proposed drainage channel along the north side of Brant-Waterloo Road;

storm sewers within the Brant-Waterloo Road right-of-way, located below the proposed roadside drainage channel, from the proposed stormwater management facility outlet to approximately 150 metres east of the proposed stormwater management facility outlet, discharging via a 750 millimetre diameter outlet pipe installed within a concrete headwall to Charlie Creek, with the area around the outlet protected by rip-rap;

drainage channel along the north side of Brant-Waterloo Road, from the proposed stormwater management facility outlet to approximately 150 metres east of the proposed stormwater management facility outlet, with a bottom width of 0.5 metres, 3:1 side slopes, and a minimum depth of 0.75 metres, discharging to the proposed storm sewers within the Brant-Waterloo Road right-of-way, and ultimately to Charlie Creek;

culvert, a 400 millimetre diameter CSP, crossing Prince Philip Boulevard north of Brant-Waterloo Road;

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. "MNRF" means the Ministry of Natural Resources and Forestry of the government of Ontario and includes all officials, employees or other persons acting on its behalf;
8. "Owner" means 2081788 Ontario Corporation, and includes its successors and assignees;

9. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
10. "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.
6. 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/MNRF 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.

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 inspect and ensure that the design minimum liquid retention volume is maintained in the Works at all times, except when maintenance is required.
4. 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.
5. 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.
6. 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.
7. 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.

8. 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.

Schedule A

- 1. Application for Environmental Compliance Approval dated December 10, 2020 and received on April 22, 2021, prepared by Meritech Engineering on behalf of 2081788 Ontario Corporation;
- 2. Stormwater Management Report, Broos Subdivision, Phase 2, dated December 18, 2020, prepared by Meritech Engineering;
- 3. Engineering Drawings, a set of seven (7) engineering drawings, signed, stamped and dated on December 16, 2021, prepared by Meritech Engineering;
- 4. Design Brief: Stormwater Management Facility and Outfall, dated on December 10, 2020; and,
- 5. Email correspondence dated October 4, 7, and 18, 2021, addressed to the Ministry from Meritech Engineering.

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. Condition 1.6 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the

construction, maintenance and operation of the Works. The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.

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.

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:

- 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 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**

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

DATED AT TORONTO this 22nd day of
October, 2021

Aziz Ahmed, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

JW/
c: District Manager, MECP Guelph District Office
Chris Togerez, Meritech Engineering

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 5273-AY8GP3

Issue Date: May 2, 2018

The Regional Municipality of Waterloo
150 Frederick Street
Kitchener, Ontario
N2G 4J3

Site Location: Northumberland Street, Stanley Street and Swan Street
Township of North Dumfries, Regional Municipality of Waterloo

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 wastewater infrastructure Works located in the Township of North Dumfries, Regional Municipality of Waterloo, consisting of the following:

- storm sewers on Sawn Street (from approximately 72 metres south of Stanley Street to approximately 7 metres north of Fowler Street and from approximately 51 metres south of Burnside Drive to approximately north edge of Hilltop Drive and approximately 25 metres south-eastward), discharging to existing sewers, located approximately 85 metres north of Hilltop Drive and to an existing culvert located approximately 10 metres north of Fowler Street;

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. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;
4. "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;
5. "Owner" means The Regional Municipality of Waterloo, and includes its successors and assignees;
6. "OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;
7. "Water Supervisor" means the Water Supervisor of the appropriate local office of the Safe Drinking Water Branch of the Ministry, where the Works are geographically located;
8. "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 Water Supervisor 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 Water Supervisor; 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 Water Supervisor.

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 Water Supervisor 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.

Schedule "A"

1. Application for Environmental Compliance Approval, dated February 16, 2018, received on April 4, 2018, submitted by The Regional Municipality of Waterloo;
2. Transfer of Review Letter of Recommendation, dated April 3, 2018, and signed by Badrul Khan, P. Eng., Senior Project Manager, Region of Waterloo;
3. Emails dated April 18, 2018, from Badrul Khan, P. Eng., Senior Project Manager, The Regional Municipality of Waterloo, and emails dated April 20, 2018 to April 27, 2018, from Dan Schipper, P. Eng., Walterfeddy.

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

REASONS:

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 to prevent the operation of stormwater pipes and other conveyance until such time that their required associated stormwater management Works are also constructed.

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:

- 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

AND

The Director appointed for the purposes
of Part II.1 of the Environmental

655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

Protection Act
Ministry of the Environment and Climate
Change
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**

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 May,
2018

Christina Labarge, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

NW/

c: District Manager, MOECC Guelph
Dan Schipper, WalterFedy

Kris Fletcher, Regional Clerk, Corporate Resources, Region of Waterloo

Badrul Khan, P. Eng., Senior Project Manager, Region of Waterloo (File No. ND-01-18)

Rodger Mordue, Clerk Acting, Township of North Dumfries

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1511-BK5MAV

Issue Date: December 31, 2019

The Corporation of the Township of North Dumfries
2958 Greenfield Rd Ayr
North Dumfries, Ontario
N0B 1E0

Site Location: 260-264 Northumberland Street (Regional Road 58) & 2-14 Gore Estate Court
Township of North Dumfries, Regional Municipality of Waterloo
N0B 1E0

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 the proposed Gore Estates Subdivision, located in the Township of North Dumfries, for the collection, transmission, treatment and disposal of stormwater runoff from a total catchment area of 2.102 hectares, to provide Enhanced Level water quality protection and erosion control, and to attenuate post-development peak flows to pre-development peak flows for all storm events up to and including the 10-year storm event, discharging to Nith River, consisting of the following:

roadside ditches on Gore Estate Court, discharging to catch basins located on the bottom of the ditch with an emergency overflow weir discharging to the grassed swale in case of storm events greater than 10 year event;

subsurface soakaway pits located on the rear yard of 2 through 8 Gore Estate Court (inclusive), to collect and infiltrate the 25 mm rooftop runoff, having a total length of 2 metres, a width of 2 metres, a maximum allowable storage depth of 2 metres and a maximum available storage volume of 3.2 cubic metres each;

subsurface infiltration trench (catchment area 0.564 hectares), one (1) infiltration trench, located under the roadside ditches on Gore Estate Court, having a total length of 200 metres, a width of 1 metres, a maximum allowable storage depth of 1.6 metres and a maximum available storage volume of 128 cubic metres, complete with a 300 millimetre diameter perforated storm sub-drain installed in the clear stone layer, non-woven filter fabric installed and an emergency overflow outlet discharging through grassed swales to Nith River;

subsurface infiltration trench (catchment area 0.205 hectares), one (1) infiltration trench, located on the rear yard of 260-264 Northumberland Street and 10-14 Gore Estate Court, having a total length of 45 metres, a width of 2 metres, a maximum allowable storage depth of 2.5 metres and a maximum available storage volume of 90 cubic metres;

subsurface infiltration trench (catchment area 0.050 hectares), one (1) infiltration trench, located between 13 and 14 Gore Estate Court, having a total length of 7 metres, a width of 2 metres, a maximum allowable storage depth of 2 metres and a maximum available storage volume of 11.2 cubic metres;

subsurface infiltration trench (catchment area 0.401 hectares), four (4) infiltration trenches, located on 7,9,11, and 13 Gore Estate Court, each having a length of 16 metres, a width of 2.5 metres, a maximum allowable storage depth of 2 metres and a maximum available storage volume of 32 cubic metres each and a total available storage volume of 128 cubic metres;

subsurface infiltration trench (catchment area 0.144 hectares), one (1) infiltration trench, located on 5 Gore Estate Court, having a total length of 10 metres, a width of 3 metres, a maximum allowable storage depth of 2.2 metres and a maximum available storage volume of 26.4 cubic metres each; and

grassed swales on the part of the subdivision, from roadside ditch near catch basin DCB5 to level spreader towards bank of Nith River, discharging overflow from roadside ditch during storm events larger than 10 year event to Nith 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 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. "MNRF" means the Ministry of Natural Resources and Forestry of the government of Ontario and includes all officials, employees or other persons acting on its behalf;
8. "Owner" means The Corporation of the Township of North Dumfries, and includes its successors and assignees;
9. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
10. "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.
6. 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/MNRF 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.

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. CERTIFICATE OF REQUIREMENT

1. Pursuant to Section 103 of the *Ontario Water Resources Act*, no person having an interest in the Property, shall deal with the Property in any way without first giving a copy of this Approval to each person acquiring an interest in the Property as a result of the dealing.
2. The Owner shall:

- i. within sixty (60) days of the date of the issuance of this Approval, submit to the Director for their review, two copies of a completed Certificate of Requirement and a registerable description of the Property; and
 - ii. within ten (10) calendar days of receiving the Certificate of Requirement authorized by the Director, register the Certificate of Requirement in the appropriate Land Registry Office on title to the Property and submit to the Director the duplicate registered copy immediately following registration.
3. For the purposes of this condition, Property shall mean the properties located at 260-264 Northumberland Street (Regional Road 58) & 2-14 Gore Estate Court.

Schedule A

1. Application for Environmental Compliance Approval, dated June 13, 2019, received on June 21, 2019, Submitted by Meritech Engineering on behalf of Township of Noth Dumfries;
2. Stormwater Management Design Report, dated February 2019, prepared by Meritech Engineering;
3. Engineering drawings, A set of Eight (8) engineering drawings, all stamped and dated Mar 19, 2019, prepared by Meritech Engineering; and
4. Email, from Chris Togeretz, P.Eng. of Meritech Engineering dated December 20, 2019.
- 5.

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. Condition 1.6 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the Works. The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.

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 in order to require the Owner to give notice of this Approval to potential future owners of the property before the property is dealt with.

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:

- 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 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**

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

DATED AT TORONTO this 31st day of
December, 2019

Aziz Ahmed, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

PP/

c: District Manager, DWECD, MECP Guelph
Chris Togeretz, Meritech Engineering

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 4409-BF8JNZ

Issue Date: September 12, 2019

828543 Ontario Inc. and 839658 Ontario Inc.
1919 Albion Road
Toronto, Ontario
M9W 5S8

Site Location: Legacy Estates Subdivision

Robert Woolner Street, William Creighton Street,
Di Donato Crescent and Leslie Davis Street
Township of North Dumfries, Regional Municipality of Waterloo

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 wastewater infrastructure Works located in the Township of North Dumfries, Regional Municipality of Waterloo, consisting of the following:

storm sewers on Robert Woolner Street (from approximately 16 metres north of Brant Waterloo Road to approximately 6 metres east-south-east of the centre of the roundabout at Leslie Davis Drive), discharging to proposed sewers, located on Leslie Davis Drive;

storm sewers on Robert Woolner Street (from approximately 54 metres north of the centre of the roundabout at Leslie Davis Drive to approximately 10 metres south of Gourlay Farm Lane), discharging to proposed sewers, located on Gourlay Farm Lane;

storm sewers on William Creighton Street (from approximately 81 metres west of Vincent Drive to approximately 15 metres north of Leslie Davis Street), discharging to proposed sewers, located on Leslie Davis Street;

storm sewers on Di Donato Crescent (north entrance) (from approximately 10 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road), discharging to proposed sewers, located on Robert Woolner Street;

storm sewers on Di Donato Crescent (south entrance) (from approximately 10 metres west of Robert Woolner Street and approximately 43 metres north of Brant Waterloo Road), discharging to proposed sewers, located on Robert Woolner Street;

storm sewers on Di Donato Crescent (north entrance) (from approximately 122 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road to approximately 197 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road), discharging to proposed sewers, located on Service Easement Block 43;

storm sewers on Di Donato Crescent (south entrance) from approximately 99 metres west of Robert Woolner Street and approximately 43 metres north of Brant Waterloo to approximately 197 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road), discharging to proposed sewers, located on service Easement Block 43;

storm sewers on servicing Easement Block 43 (from approximately 197 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road to Leslie Davis Street), discharging to proposed sewers, located on Leslie Davis Street; and

storm sewers on Leslie Davis Street (from approximately 45 metres east of Robert Woolner Street to approximately 15 metres east of William Creighton Street), discharging to proposed sewers, located on Leslie Davis Street;

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:

DEFINITIONS

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. "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;

6. "Owner" means 828543 Ontario Inc. and 839658 Ontario Inc., and includes their successors and assignees;
7. "OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;
8. "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.

Schedule "A"

1. Application for Environmental Compliance Approval, dated June 26, 2019, received on August 9, 2019, submitted by 828543 Ontario Inc. and 839658 Ontario Inc.;
2. Transfer of Review Letter of Recommendation, dated August 8, 2019 and signed by Mike Pearce, P.Eng., Senior Project Manager, Transfer of Review, The Regional Municipality of Waterloo;
 - a. Final Plans and Specifications prepared by Stantec Consultants Ltd.
 - b. Pipe Data Form - Watermain, Storm Sewer, Sanitary Sewer, and Forcemain Design Supplement to Application for Approval for Water and Sewage Works.
 - c. Hydraulic Design Sheets prepared by Stantec Consultants Ltd.
3. Emails dated August 26, 2019 and September 4, 2019 from Michael Huisman, C.E.T., Engineering Technologist, Stantec Consultants Ltd.
4. Emails dated August 25, 2019 and August 27, 2019 from Mike Pearce, P.Eng., Senior Project Manager, Transfer of Review, The Regional Municipality of Waterloo.

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

REASONS:

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 to prevent the operation of stormwater pipes and other conveyance until such time that their required associated stormwater management Works are also constructed.

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:

- 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

AND

The Director appointed for the purposes
of Part II.1 of the Environmental
Protection Act
Ministry of the Environment,

*** 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**

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

DATED AT TORONTO this 12th day of
September, 2019

Aziz Ahmed, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

RV/

c: District Manager, MECP Guelph

Kris Fletcher, Regional Clerk, Corporate Resources, Region of Waterloo (File No. ND-01-19)

Mike Pearce, P.Eng., Senior Project, Transfer of Review, Region of Waterloo

Andrew McNeely, Township of North Dumfries

Michael Huisman, C. Tech., Stantec Consultants Ltd.

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 5264-BATK97

Issue Date: May 2, 2019

839658 Ontario Inc.
1919 Albion Rd
Toronto, Ontario
M9W 5S8

Site Location: Legacy Estates Subdivision
895 Brant-Waterloo Rd
Township of North Dumfries,
Regional Municipality of Waterloo, Ontario
N0B 1E0

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 stormwater management Works to serve the proposed Legacy Estates Subdivision development, located at 895 Brant-Waterloo Rd, in the Township of North Dumfries, Regional Municipality of Waterloo, for the collection, transmission, treatment and disposal of stormwater runoff from a total catchment area of 25.4 hectares, to provide Enhanced Level water quality protection and erosion control, and to attenuate post-development peak flows to pre-development peak flow for all storm events up to and including the 100-year storm event, discharging to Nith River, consisting of the following:

stormwater management facility (catchment area 25.4 hectares): one (1) constructed wetland with a 1.5 metre deep sediment forebay, located immediately adjacent to the intersection of Swan Street and Brant-Waterloo Road, having a permanent storage volume of approximately 2,035 cubic metres, an extended detention volume of approximately 1,016 cubic metres, and a total active storage volume of approximately 19,775 cubic metres at an active storage depth of 2.0 metres (elevation 296.0 metres), complete with one (1) inlet structure at the northwest corner, consisting of a 1200 millimetre storm inlet pipe and a concrete headwall, one (1) 20.0 metre wide emergency overflow weir, one (1) 3.0 meter wide access road, and one (1) outlet structure at the southwest corner, consisting of a 1,200 millimetre diameter perforated CSP riser, a 150 millimetre diameter orifice and a 600 millimetre outlet pipe, discharging to the Mitchell Drain via the orifice and a cooling trench along the perimeter of the constructed wetland during low flows and the outlet pipe/orifice during higher flows, allowing a maximum discharge of

0.81 cubic metres per second under the 100-year storm event to the Mitchell Drain;

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 supporting documents set out in Schedule "A" attached to 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. "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;
6. "MNRF" means the Ministry of Natural Resources and Forestry of the government of Ontario and includes all officials, employees or other persons acting on its behalf;
7. "Owner" means 839658 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.
6. 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/MNRF 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.

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 inspect and ensure that the design minimum liquid retention volume is maintained in the Works at all times, except when maintenance is required.
4. 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.

5. 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.
6. 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.
7. 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.
8. 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.

Schedule A

1. Application for Environmental Compliance Approval, dated September 13, 2018 and

received on December 14, 2018, submitted by Stantec Consulting Ltd. on behalf of 839658 Ontario Inc.;

2. Hilltop Estate Subdivision Stage 4 (now known as Legacy Estates Subdivision), Ayr, Stormwater Management Plan, dated September 22, 2017 and prepared by Stantec Consulting Ltd.;

3. Memo Re. Legacy Subdivision Stormwater Management - Comment Responses, dated June 14, 2018 and prepared by Bryan Weersink of Stantec Consulting Ltd.;

4. A set of forty-three (43) engineering drawings, stamped and dated on November 19 and 21, 2018, prepared by Stantec Consulting Ltd.; and

5. Other supporting documents.

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. Condition 1.6 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the Works. The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
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.

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:

- 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 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

*** 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**

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 May,
2019

Aziz Ahmed, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

SW/
c: District Manager, MECP Guelph
John Vleeming, Stantec Consultants Ltd.



Ministry of the Environment and Climate Change
Ministère de l'Environnement et de l'Action en matière de changement
climatique

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 8252-A3SHUL

Issue Date: November 3, 2015

2081788 Ontario Corporation
2 Prince Edward Road
Woodstock, Ontario
N4V 1G7

Site Location: Hilltop Subdivision, Stage 3 and Broos Property Subdivision, Phase 1
Lots 32 and 33, Concession 7
Township of North Dumfries, Regional Municipality of Waterloo

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:

sanitary and storm sewers to be constructed in the Township of North Dumfries, Regional Municipality of Waterloo, as follows:

sanitary sewers on Street A (from approximately 43 m east of north intersection with Patterson Street to approximately 8 m north-east of south intersection with Patterson Street) and Street B (from approximately middle of north intersection with Patterson Street to approximately middle of south intersection with Patterson Street); and

storm sewers on Street A (from approximately 94 m south-east of north intersection with Street B to approximately south intersection with Patterson Street) and Street B (from approximately middle of north intersection with Patterson Street to approximately middle of south intersection with Patterson Street);

all in accordance with the application from 2081788 Ontario Corporation, dated October 7, 2015, including final plans and specifications prepared by Stantec Consultants Ltd.

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 and
Climate Change
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**

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

DATED AT TORONTO this 3rd day of November,
2015

Gregory Zimmer, P.Eng.
Director
appointed for the purposes of Part II.1 of
the *Environmental Protection Act*

YH/
c: District Manager, MOECC Guelph District Office
Kris Fletcher, Clerk, Regional Municipality of Waterloo
Badrul Khan, P. Eng., Senior Project Manager, Regional Municipality of Waterloo (File No. ND-01-15)
Rodger Mordue, Clerk Acting, Township of North Dumfries
Kevin Brousseau, C.E.T, Stantec Consultants Ltd.
John Vleeming, Stantec Consultants Ltd.



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 1502-6UYKUU
Issue Date: October 27, 2006

828543 & 839658 Ontario Inc.
1919 Albion Rd
Toronto, Ontario
M9W 6J9

Site Location: Hilltop Subdivision, Stage 3
Lots 33 & 34, Concession 7
North Dumfries Township, Regional Municipality of Waterloo

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

storm sewers to be constructed in the Township of North Dumfries, Regional Municipality of Waterloo, on Matthew Street, Hilltop Drive, John Way, Marten Crescent, Hunt Street, Christian Street, Robert Drive and Blocks 106 and 76, all in accordance with the application from 828543 & 839658 Ontario Inc., dated September 21, 2006, including final plans and specifications prepared by Stantec Consulting Ltd.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, 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 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the 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 Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

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

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources 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) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

CONTENT COPY OF ORIGINAL

DATED AT TORONTO this 27th day of October, 2006

Sarah Paul, P.Eng.

Director

Section 53, *Ontario Water Resources Act*

GS/

c: District Manager, MOE Guelph

Kevin Brousseau, Stantec Consulting Ltd.

K. Fletcher, Clerk, Regional Municipality of Waterloo

Jo-Anne Ing, Regional Municipality of Waterloo

M. Bosetti, Clerk, Township of North Dumfries



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 1985-77WJNA
Issue Date: October 23, 2007

The Regional Municipality of Waterloo
150 Frederick St 6th Floor
Kitchener, Ontario
N2G 4J3

Site Location: Northumberland Street Reconstruction
173 to 1107 Northumberland Street
Waterloo City, Regional Municipality of Waterloo

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

- one (1) oil/grit interceptor (MH 3) located on Northumberland Street, having a sediment capacity of 26945 litres, an oil capacity of 3930 litres, a total holding capacity of 31285 litres and a maximum treatment flow rate of 70 litres per second, discharging to Nith River via an existing 200m long grassed ditch;

all in accordance with the application dated March 5, 2007 and received on March 7, 2007, signed by Bill Brodribb, Director, Design and Construction, the Regional Municipality of Waterloo, and all supporting documentation and information, including final plans and specifications prepared by Region of Waterloo;

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Certificate" means this entire Certificate of Approval document, issued in accordance with Section 53 of the *Ontario Water Resources Act*, and includes any schedules;
- (2) "Owner" means **The Corporation of the Regional Municipality of Waterloo**, and includes its successors and assignees; and
- (3) "Works" means the sewage works described in the Owner's application, this *Certificate* and in the supporting documentation referred to herein, to the extent approved by this *Certificate*.

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

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Certificate* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 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 *Certificate*, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this *Certificate*.

1.3 Where there is a conflict between a provision of any submitted document referred to in this *Certificate* and the Conditions of this *Certificate*, the Conditions in this *Certificate* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 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.

1.5 The requirements of this *Certificate* are severable. If any requirement of this *Certificate*, or the application of any requirement of this *Certificate* to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this *Certificate* shall not be affected thereby.

2. EXPIRY OF APPROVAL

2.1 The approval issued by this *Certificate* will cease to apply to those parts of the *Works* which have not been constructed within five (5) years of the date of this *Certificate*.

3. OPERATION AND MAINTENANCE

3.1 The *Owner* shall design, construct and operate the oil/grit interceptor with the objective that no visible oil sheens occur in the effluent discharged from the oil/grit interceptor.

3.2 The *Owner* shall carry out and maintain an annual inspection and maintenance program on the operation of the oil/grit interceptor in accordance with the manufacturer's recommendation.

3.3 After a two (2) year period, the District Manager of the MOE District Office may alter the frequency of inspection of the oil/grit interceptor if he/she is requested to do so by the *Owner* and considers it acceptable upon review of information submitted in support of the request.

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

1. Condition No.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 *Certificate* and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the *Owners* their responsibility to notify any person they authorized to carry out work pursuant to this *Certificate* the existence of this *Certificate*.

2. Condition No.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 No.3 is imposed to ensure that the oil/grit interceptor is operated and maintained without any adverse impact on the environment.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, 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 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the

Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the 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 Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

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

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources 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) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 23rd day of October, 2007

Mansoor Mahmood, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

AM/
c: District Manager, MOE Guelph
Greg Proctor, The Regional Municipality of Waterloo



AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 4689-A8ZLNZ

Issue Date: June 29, 2016

2081788 Ontario Corporation
2 Prince Edward Rd
Woodstock, Ontario
N4V 1G7

Site Location: Broos Property Phase 1
Lot 32 and 33, Concession 7
Township of North Dumfries, County of Wellington

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:

expansion of Storm Water Management Works to service Hilltop Community Subdivision and Broos Property for enhanced level of quality and quantity control of 25 millimetres to Regional Storm events (including 100-year) post development flows to pre-development flow rates consisting of the following:

Proposed Works

Facility 'B' (catchment area of 29.8 hectares (interim) 30.3 hectares (ultimate) of development and 39.1 hectares (interim), 30.8 hectares (ultimate) external undeveloped area):

a **constructed wetland** located on Blocks 39 and 77, located at east of Swan Street, complete with two (2) forebays with approximately 3055 cubic metres in permanent, 4926 cubic metres (interim) and 2763 cubic metres (ultimate) of extended detention and a total storage volume of 76118 cubic metres (interim) and 60216 cubic metres (ultimate), complete with:

one (1) 195 millimetre, one (1) 250 millimetre, one (1) 450 millimetre diameter vertical orifices located in a 1800 millimetre diameter perforated riser to discharge into a 525 millimetre diameter outlet pipe to drain into the existing Valleyview Stormwater Management Facility ultimately discharging to the Nith River,

one (1) 10 metre wide 500 millimetre deep trapezoidal overflow spillway to discharge to Swan Street side ditch to Nith River,

0.7 metre deep, 1.5 metre wide, approximately 445 metre **long infiltration gallery** located along the lots 1-28, complete with 150 millimetre diameter perforated pipe and 50 millimetre diameter clear stone,

0.7 metre deep, 1.5 metre wide, approximately 172.7 metre long **infiltration gallery** located along the rear yards of blocks 32-46, complete with 150 millimetre diameter perforated pipe and 50 millimetre diameter clear stone;

0.7 metre deep, 1.5 metre wide, approximately 172.7 metre long **infiltration gallery** located along

the rear yards of blocks 47-58 and 78-85, complete with 150 millimetre diameter perforated pipe and 50 millimetre diameter clear stone;

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

Previous Works

Facility 'A' (catchment area of 8.6 hectares):

a **constructed wetland** located on Block 106, east of Marten Crescent, complete with a forebay with approximately 1,042 cubic metres in permanent, 447 cubic metres of extended detention and a total storage volume of 9,324 cubic metres, complete with,

one (1) 110 millimetre and one (1) 400 millimetre diameter vertical orifices located in a 1500 millimetre diameter perforated riser to discharge into a 600 millimetre diameter outlet pipe to drain into Municipal storm drainage manhole MH61 on Hunt Street,

a 2.4 metre wide by 2.0 metre deep, 300 metre long infiltration gallery around the periphery of the wetland complete with 300 millimetre diameter perforated pipe and 20 millimetre to 50 millimetre diameter clear stone,

a 4 metre wide by 150 millimetre deep overflow spillway, protected with rip-rap to discharge stormwater flow west onto the Hilltop Drive, in case of blockage of all outlets during severe storms,

1.0 metre deep, varying width, approximately 465 metres long **infiltration galleries** located at the backyard of the residential area as shown on drawings, complete with 150 millimetre diameter perforated pipe and 20 millimetre to 50 millimetre diameter clear stone;

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 Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation;
2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;
3. "District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;
5. "Ministry" means the Ontario Ministry of the Environment and Climate Change;
6. "Owner" means 2081788 Ontario Corporation, and includes its successors and assignees;
7. "Previous Works" means those portions of the sewage works previously constructed and approved under an Approval;

8. "Proposed Works" means the sewage works described in the Owner's application, this Approval, to the extent approved by this Approval;

9. "Water Supervisor" means the Water Supervisor of the appropriate local office of the Safe Drinking Water Branch of the Ministry, where the Works are geographically located;

10. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by 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

1.1 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.

1.2 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, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this Approval.

1.3 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.

1.4 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.

1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

1.6 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/MNRF 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.

2. EXPIRY OF APPROVAL

2.1 The approval issued by 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

3.1 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; and

(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.

3.2 Notwithstanding any other requirements in this Approval, upon transfer of the ownership or assumption of the Works to a municipality if applicable, any reference to the District Manager shall be replaced with the Water Supervisor.

4. OPERATION AND MAINTENANCE

4.1 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 stormwater works do not constitute a safety or health hazard to the general public.

4.2 The Owner shall undertake an inspection of the condition of the stormwater management system, 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 above noted stormwater management Works to prevent the excessive build-up of sediment, debris and/or decaying vegetation to avoid reduction of capacity of the stormwater management Works. The Owner shall also regularly inspect and clean out the inlet to and outlet from the works to ensure that these are not obstructed.

4.3 The Owner shall ensure that the design storage volumes are maintained at all times.

4.4 The Owner shall inspect the Works and carry out regular operation and maintenance activities as proposed in the Section 4.0 of the "Stormwater Management Report, Hilltop Stage 3, (Phase 4) and Broos Property (Phase 1)", dated July 13, 2015 prepared by Stantec Consulting Ltd.

4.5 The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall make the logbook available for inspection by the Ministry upon request. The logbook shall include, but not necessarily be limited to, the following information:

(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.

5. TEMPORARY EROSION AND SEDIMENT CONTROL

5.1 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 .

5.2 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

6.1 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 and maintenance activities required by this Approval.

7. GROUNDWATER MONITORING AND RECORDING

7.1 The Owner shall, establish two (2) groundwater monitoring wells of 50 millimetre diameter PVC pipe, 8.0 metres and 25 metres deep at locations as indicated on the 'Stormwater Management Plan' drawing # C-100 and upon commencement of operation of the Works, carry out the following sampling and monitoring program. All samples and measurements taken for the purposes of this Approval are to be taken at a time and in a location characteristic of the quality of the groundwater over the time period being monitored.

7.2 For the purposes of this condition, the following definitions apply: (a) Annually means once every twelve months.

7.3 Samples shall be collected at the following sampling points, at the frequency specified, by means of the specified sample type and analyzed for each parameter listed and all results recorded:

Table 1 - Groundwater Monitoring		
Parameters	(Sample Type)	Frequency
Groundwater Level	Reading	three(3) times, once in spring, summer and fall
Chloride	(Grab)	annually
Total Ammonia Nitrogen	(Grab)	annually
Total dissolved Metals	(Grab)	annually

7.4 The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following:

(a) the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended from time to time by more recently published editions;

(b) the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions;

(c) the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions;

(d) for any parameters not mentioned in the documents referenced in (a) and (b), the written approval of the District Manager shall be obtained prior to sampling.

7.5 The temperature and pH of the effluent from the Works shall be determined in the field at the time of sampling for Total Ammonia Nitrogen. The concentration of un-ionized ammonia shall be calculated using the total ammonia concentration, pH and temperature using the methodology stipulated in "Ontario's Provincial Water Quality Objectives" dated July 1994, as amended, for ammonia (un-ionized).

7.6 The Owner shall retain for a minimum of three (3) years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this Approval.

Schedule "A"

1. Application for Environmental Compliance Approval for Municipal and Private Sewage Works, dated October 7, 2015 and received on October 23, 2015, submitted by 2081788 Ontario Corporation.
2. Stormwater Management Report, Hilltop Stage 3, (Phase 4) and Broos Property (Phase 1), dated July 13, 2015 prepared by Stantec Consulting Ltd.
3. Engineering Drawings: Broos Property Phase 1 & Hilltop Stage 3 Phase 4, dated October 2015 prepared by Stantec Consulting Ltd.
4. E-mails from David Williams and Kevin Brousseau of Stantec Consulting Ltd. to the ministry, dated April 12, 2016, June 15, 2016, June 24, 2016 and June 27, 2016.
5. Application for Approval of Municipal and Private Sewage Works, dated September 21, 2006, Stormwater Management Report, August 2006, final plans and addendum documents prepared and submitted by Kevin Brousseau, C.E.T., Stantec Consulting Ltd., Consulting Engineers.

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. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this Approval. Condition 1.6 is included to emphasize that the issuance of the Approval does not diminish any other statutory and regulatory obligations to which the owner is subject in the construction, maintenance and operation of the works. The condition specifically highlights the need to obtain any necessary conservation authority approvals. The condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
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 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 approved stormwater management Works is required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. It is also required to ensure that adequate storage is maintained in the stormwater management facilities at

all times as required by the design, and to prevent stormwater impounded in the works from becoming stagnant. Furthermore, Condition 4 is included to ensure that the stormwater management 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 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 performance of the works is evaluated, recorded and reported on an annual basis.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 0522-6U8PDG issued on November 15, 2006

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.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

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 and Climate
Change
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**

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

DATED AT TORONTO this 29th day of June, 2016

Gregory Zimmer, P.Eng.

Director

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

NS/

c: District Manager, MOECC Guelph Office

DWMD Supervisor, MOECC Guelph Office

Kevin Brousseau, Stantec Consultants Ltd.

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 6433-AYJRF4

Issue Date: June 6, 2018

Grant Castle Corp.
18 Adelaide St Maxville
Post Office Box, No. 100
North Glengarry, Ontario
K0C 1T0

Site Location: 1202 Northumberland Street
Township of North Dumfries, Regional Municipality of Waterloo

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 an oil and water separator to act as spill control and to manage storm runoff from the reinforced concrete apron of a petroleum cardlock facility, located between Highway 401 and Greenfield Road, on the west side of Northumberland Street, within the Nith River Watershed, in the Township of North Dumfries, in the Regional Municipality of Waterloo, consisting of the following;

- **oil and water separator (catchment area: 0.0132 hectares):** one (1) oil and water separator (Porter's 4090 Litres, three chamber, pre-cast concrete interceptor or Equivalent Equipment), located north-west of the concrete apron of the petroleum concrete cardlock facility, to provide spill control for the area of the pump island by acting as a containment, having an approximate length of 3.15 meters, an approximate width of 1.52 meters and a liquid depth of 1.16 meters, having a maximum sediment capacity of 495 litres, a maximum oil storage capacity of 3,030 litres, a total holding capacity of 4,090 litres and a maximum treatment flow rate of 39.5 litres per minute, discharging via a 100 millimetre diameter HDPE pipe to the existing low lying area located on the west side of the facility and ultimately to a wetland. Includes one (1) manual emergency in-line shut-off valve located downstream of the above noted oil water separator;

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. "MNRF" means the Ministry of Natural Resources and Forestry of the government of Ontario and includes all officials, employees or other persons acting on its behalf;
8. "Owner" means Grant Castle Corp., and includes its successors and assignees;
9. "OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40, as amended;
10. "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.
6. 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/MNRF 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.

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 ensure the immediate clean-out of the Works after a fuel or oil spill capture.
6. The Owner shall ensure that equipment and material for the containment, clean-up and disposal of fuel and oil and materials contaminated with such, is on hand and in good repair for immediate use in the event of:
 - a. loss of fuel or oil to the Works; or
 - b. a spill within the meaning of Part X of the EPA.
7. 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;
 - 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; and
 - c. the date of each spill within the catchment area, including follow-up actions and remedial measures undertaken.
8. 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.
9. 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. SPILL CONTINGENCY PLAN

1. Within six (6) months from the issuance of this Approval, the Owner shall implement a spill contingency plan - that is a set of procedures describing how to mitigate the impacts of a spill within the area serviced by the Works. The Owner shall, upon request, make this plan available to Ministry staff. This plan shall include as a minimum:
 - a. the name, job title and location (address) of the Owner, person in charge, management or person(s) in control of the facility;
 - b. the name, job title and 24-hour telephone number of the person(s) responsible for activating the spill contingency plan;
 - c. a site plan drawn to scale showing the facility, nearby buildings, streets, catch-basins and manholes, drainage patterns (including direction(s) of flow in storm sewers), any receiving body(ies) of water that could potentially be significantly impacted by a spill and any features which need to be taken into account in terms of potential impacts on access and response (including physical obstructions and location of response and clean-up equipment);
 - d. steps to be taken to report, contain, clean up and dispose of contaminants following a spill;
 - e. a listing of telephone numbers for: local clean-up company(ies) who may be called upon to assist in responding to spills; local emergency responders including health institution(s); and Ministry Spills Action Centre 1-800-268-6060;
 - f. Safety Data Sheets (SDS) for each hazardous material which may be transported or stored within the area serviced by the Works;
 - g. the means (internal corporate procedures) by which the spill contingency plan is activated;
 - h. a description of the spill response training provided to employees assigned to work in the area serviced by the Works, the date(s) on which the training was provided and by whom;
 - i. an inventory of response and clean-up equipment available to implement the spill contingency plan, location and, date of maintenance/replacement if warranted; and
 - j. the date on which the contingency plan was prepared and subsequently, amended.
2. The spill contingency plan shall be kept in a conspicuous, readily accessible location on-site.

3. The spill contingency plan shall be amended from time to time as required by changes in the operation of the facility.

8. 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.

Schedule A

1. Application for Environmental Compliance Approval, dated April 9, 2018, received on April 9, 2018, submitted by Jeffrey Environmental Consultants Inc. on behalf of Grant Castle Corp.;
2. Design Brief (along with all its appendices), dated March 2018, prepared by Jeffrey Environmental Consultants Inc.;
3. Engineering Drawing, Site Plan, stamped and dated on March 7, 2018, prepared by Jeffrey Environmental Consultants Inc.; and
4. Email from Mark Jeffrey of Jeffrey Environmental Consultants Inc., dated May 7, 2018;

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. Condition 1.6 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the Works. The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
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 ensure that the Owner will implement the Spill Contingency Plan, such that the environment is protected and deterioration, loss, injury or damage to any person(s) or property is prevented.
8. Condition 8 is included to require that all records are required for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

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, S.O. 1993, c. 28 (Environmental Bill of Rights), the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner 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 Environmental
Commissioner
1075 Bay Street, Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment and Climate
Change
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 www.ebr.gov.on.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 6th day of June,
2018

Christina Labarge, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

GW/

c: District Manager, MOECC Guelph
Mark Jeffrey, P.Eng., Jeffery Environmental Consultants Inc.



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 1985-77WJNA
Issue Date: October 23, 2007

The Regional Municipality of Waterloo
150 Frederick St 6th Floor
Kitchener, Ontario
N2G 4J3

Site Location: Northumberland Street Reconstruction
173 to 1107 Northumberland Street
Waterloo City, Regional Municipality of Waterloo

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

- one (1) oil/grit interceptor (MH 3) located on Northumberland Street, having a sediment capacity of 26945 litres, an oil capacity of 3930 litres, a total holding capacity of 31285 litres and a maximum treatment flow rate of 70 litres per second, discharging to Nith River via an existing 200m long grassed ditch;

all in accordance with the application dated March 5, 2007 and received on March 7, 2007, signed by Bill Brodribb, Director, Design and Construction, the Regional Municipality of Waterloo, and all supporting documentation and information, including final plans and specifications prepared by Region of Waterloo;

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

- (1) "Certificate" means this entire Certificate of Approval document, issued in accordance with Section 53 of the *Ontario Water Resources Act*, and includes any schedules;
- (2) "Owner" means **The Corporation of the Regional Municipality of Waterloo**, and includes its successors and assignees; and
- (3) "Works" means the sewage works described in the Owner's application, this *Certificate* and in the supporting documentation referred to herein, to the extent approved by this *Certificate*.

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

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

1.1 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the *Works* is notified of this *Certificate* and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

1.2 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 *Certificate*, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this *Certificate*.

1.3 Where there is a conflict between a provision of any submitted document referred to in this *Certificate* and the Conditions of this *Certificate*, the Conditions in this *Certificate* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

1.4 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.

1.5 The requirements of this *Certificate* are severable. If any requirement of this *Certificate*, or the application of any requirement of this *Certificate* to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this *Certificate* shall not be affected thereby.

2. EXPIRY OF APPROVAL

2.1 The approval issued by this *Certificate* will cease to apply to those parts of the *Works* which have not been constructed within five (5) years of the date of this *Certificate*.

3. OPERATION AND MAINTENANCE

3.1 The *Owner* shall design, construct and operate the oil/grit interceptor with the objective that no visible oil sheens occur in the effluent discharged from the oil/grit interceptor.

3.2 The *Owner* shall carry out and maintain an annual inspection and maintenance program on the operation of the oil/grit interceptor in accordance with the manufacturer's recommendation.

3.3 After a two (2) year period, the District Manager of the MOE District Office may alter the frequency of inspection of the oil/grit interceptor if he/she is requested to do so by the *Owner* and considers it acceptable upon review of information submitted in support of the request.

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

1. Condition No.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 *Certificate* and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review. The condition also advises the *Owners* their responsibility to notify any person they authorized to carry out work pursuant to this *Certificate* the existence of this *Certificate*.

2. Condition No.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 No.3 is imposed to ensure that the oil/grit interceptor is operated and maintained without any adverse impact on the environment.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, 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 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the

Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the 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 Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

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

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources 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) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 23rd day of October, 2007

Mansoor Mahmood, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

AM/
c: District Manager, MOE Guelph
Greg Proctor, The Regional Municipality of Waterloo



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 9032-6ZKRSC
Issue Date: April 3, 2007

The Regional Municipality of Waterloo
150 Frederick Street
Kitchener, Ontario
N2G 4J3

Site Location: Northumberland Street, Easement (Northwest of Canadian Pacific Railway Rail Line)
North Dumfries Township, Regional Municipality of Waterloo, Ontario

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

storm and sanitary sewers to be constructed in the Township of North Dumfries, Regional Municipality of Waterloo, on Northumberland Street and on Easement northwest of the Canadian Pacific Railway Rail Line, all in accordance with the application from The Regional Municipality of Waterloo, dated February 26, 2007, including final plans and specifications prepared by The Regional Municipality of Waterloo.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, 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 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the 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 Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

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

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources 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) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

CONTENT COPY OF ORIGINAL

DATED AT TORONTO this 3rd day of April, 2007

Sarah Paul, P.Eng.

Director

Section 53, *Ontario Water Resources Act*

GG/

c: District Manager, MOE Guelph District Office

Kris, Fletcher, Clerk, Corporate Resources

Donna Serrati, P. Eng., Senior Project Manager, Regional Municipality of Waterloo

Rodger Mordue, Acting Administrator-Clerk, Township of North Dumfries

Greg Proctor, C. E. T., Project Manager, The Regional Municipality of Waterloo

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 4409-BF8JNZ

Issue Date: September 12, 2019

828543 Ontario Inc. and 839658 Ontario Inc.
1919 Albion Road
Toronto, Ontario
M9W 5S8

Site Location: Legacy Estates Subdivision

Robert Woolner Street, William Creighton Street,
Di Donato Crescent and Leslie Davis Street
Township of North Dumfries, Regional Municipality of Waterloo

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 wastewater infrastructure Works located in the Township of North Dumfries, Regional Municipality of Waterloo, consisting of the following:

storm sewers on Robert Woolner Street (from approximately 16 metres north of Brant Waterloo Road to approximately 6 metres east-south-east of the centre of the roundabout at Leslie Davis Drive), discharging to proposed sewers, located on Leslie Davis Drive;

storm sewers on Robert Woolner Street (from approximately 54 metres north of the centre of the roundabout at Leslie Davis Drive to approximately 10 metres south of Gourlay Farm Lane), discharging to proposed sewers, located on Gourlay Farm Lane;

storm sewers on William Creighton Street (from approximately 81 metres west of Vincent Drive to approximately 15 metres north of Leslie Davis Street), discharging to proposed sewers, located on Leslie Davis Street;

storm sewers on Di Donato Crescent (north entrance) (from approximately 10 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road), discharging to proposed sewers, located on Robert Woolner Street;

storm sewers on Di Donato Crescent (south entrance) (from approximately 10 metres west of Robert Woolner Street and approximately 43 metres north of Brant Waterloo Road), discharging to proposed sewers, located on Robert Woolner Street;

storm sewers on Di Donato Crescent (north entrance) (from approximately 122 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road to approximately 197 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road), discharging to proposed sewers, located on Service Easement Block 43;

storm sewers on Di Donato Crescent (south entrance) from approximately 99 metres west of Robert Woolner Street and approximately 43 metres north of Brant Waterloo to approximately 197 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road), discharging to proposed sewers, located on service Easement Block 43;

storm sewers on servicing Easement Block 43 (from approximately 197 metres west of Robert Woolner Street and approximately 128 metres north of Brant Waterloo Road to Leslie Davis Street), discharging to proposed sewers, located on Leslie Davis Street; and

storm sewers on Leslie Davis Street (from approximately 45 metres east of Robert Woolner Street to approximately 15 metres east of William Creighton Street), discharging to proposed sewers, located on Leslie Davis Street;

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:

DEFINITIONS

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. "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;

6. "Owner" means 828543 Ontario Inc. and 839658 Ontario Inc., and includes their successors and assignees;
7. "OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;
8. "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.

Schedule "A"

1. Application for Environmental Compliance Approval, dated June 26, 2019, received on August 9, 2019, submitted by 828543 Ontario Inc. and 839658 Ontario Inc.;
2. Transfer of Review Letter of Recommendation, dated August 8, 2019 and signed by Mike Pearce, P.Eng., Senior Project Manager, Transfer of Review, The Regional Municipality of Waterloo;
 - a. Final Plans and Specifications prepared by Stantec Consultants Ltd.
 - b. Pipe Data Form - Watermain, Storm Sewer, Sanitary Sewer, and Forcemain Design Supplement to Application for Approval for Water and Sewage Works.
 - c. Hydraulic Design Sheets prepared by Stantec Consultants Ltd.
3. Emails dated August 26, 2019 and September 4, 2019 from Michael Huisman, C.E.T., Engineering Technologist, Stantec Consultants Ltd.
4. Emails dated August 25, 2019 and August 27, 2019 from Mike Pearce, P.Eng., Senior Project Manager, Transfer of Review, The Regional Municipality of Waterloo.

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

REASONS:

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 to prevent the operation of stormwater pipes and other conveyance until such time that their required associated stormwater management Works are also constructed.

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:

- 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

AND

The Director appointed for the purposes
of Part II.1 of the Environmental
Protection Act
Ministry of the Environment,

*** 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**

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

DATED AT TORONTO this 12th day of
September, 2019

Aziz Ahmed, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

RV/

c: District Manager, MECP Guelph

Kris Fletcher, Regional Clerk, Corporate Resources, Region of Waterloo (File No. ND-01-19)

Mike Pearce, P.Eng., Senior Project, Transfer of Review, Region of Waterloo

Andrew McNeely, Township of North Dumfries

Michael Huisman, C. Tech., Stantec Consultants Ltd.



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 1502-6UYKUU
Issue Date: October 27, 2006

828543 & 839658 Ontario Inc.
1919 Albion Rd
Toronto, Ontario
M9W 6J9

Site Location: Hilltop Subdivision, Stage 3
Lots 33 & 34, Concession 7
North Dumfries Township, Regional Municipality of Waterloo

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

storm sewers to be constructed in the Township of North Dumfries, Regional Municipality of Waterloo, on Matthew Street, Hilltop Drive, John Way, Marten Crescent, Hunt Street, Christian Street, Robert Drive and Blocks 106 and 76, all in accordance with the application from 828543 & 839658 Ontario Inc., dated September 21, 2006, including final plans and specifications prepared by Stantec Consulting Ltd.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, 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 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the 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 Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

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

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources 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) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

CONTENT COPY OF ORIGINAL

DATED AT TORONTO this 27th day of October, 2006

Sarah Paul, P.Eng.

Director

Section 53, *Ontario Water Resources Act*

GS/

c: District Manager, MOE Guelph

Kevin Brousseau, Stantec Consulting Ltd.

K. Fletcher, Clerk, Regional Municipality of Waterloo

Jo-Anne Ing, Regional Municipality of Waterloo

M. Bosetti, Clerk, Township of North Dumfries

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 1021-B9KRYR

Issue Date: March 2, 2019

828543 Ontario Inc. and 839658 Ontario Inc.
1919 Albion Road
Toronto, Ontario
M9W 5S8

Site Location: Legacy Estates Subdivision
Township of North Dumfries, Regional Municipality of Waterloo

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 wastewater infrastructure Works located in the Township of North Dumfries, Regional Municipality of Waterloo, consisting of the following:

- **sanitary sewers** on Robert Woolner Street (from approximately 237 metres east of Howard Marshall Street to approximately centreline of Gourlay Farm Lane), discharging to existing sanitary sewers, located on Gourlay Farm Lane;
- **sanitary sewers** on Robert Woolner Street (from approximately 12 metres north of Brant Waterloo Road to approximately centreline of Gourlay Farm Lane), discharging to proposed sanitary sewers, located on Gourlay Farm Lane;
- **sanitary sewers** on Di Donato Crescent (from approximately centreline of Robert Woolner Street to approximately 121 metres north of Brant Waterloo Road and approximately 190 metres west of Robert Woolner Street, and from approximately 123 metres north of Brant Waterloo Road and approximately 48 metres west of Robert Woolner Street to approximately 121 metres north of Brant Waterloo Road and approximately 190 metres west of Robert Woolner Street), discharging to proposed sanitary sewers, located on Servicing Easement;
- **sanitary sewers** on Di Donato Crescent (from approximately 48 metres west of Robert Woolner Street to approximately centreline of Robert Woolner Street), discharging to proposed sanitary sewers, located on Robert Woolner Street;
- **sanitary sewers** on Servicing Easement (from approximately 121

metres north of Brant Waterloo Road and approximately 190 metres west of Robert Woolner Street to approximately centreline of Leslie Davis Street), discharging to existing sanitary sewers, located on Leslie Davis Street;

- **sanitary sewers** on Leslie Davis Street (from approximately 53 metres east of Robert Woolner Street to approximately centreline of Tice River Way, and from approximately 51 metres west of Tice River Way to approximately centreline of Tice River Way), Tice River Way (from approximately centreline of Vincent Drive to approximately centreline of Leslie Davis Street), and William Creighton Street (from approximately centreline of Vincent Drive to approximately centreline of Leslie Davis Street), discharging to proposed sanitary sewers, located on Leslie Davis Street;
- **sanitary sewers** on Vincent Drive (from approximately centreline of Leslie Davis Street to approximately centreline of Gourlay Farm Lane), discharging to existing sanitary sewers, located on Gourlay Farm Lane;
- **sanitary sewers** on Vincent Drive (from approximately 43 metres north of Tice River Way to approximately centreline of Gourlay Farm Lane), discharging to proposed sanitary sewers, located on Gourlay Farm Lane;
- **sanitary sewers** on Gourlay Farm Lane (from approximately centreline of Robert Woolner Street to approximately centreline of Tice River Way), discharging to proposed sanitary sewers, located on Tice River Way;
- **storm sewers** on Robert Woolner Street (from approximately 10 metres south of Gourlay Farm Lane, and from approximately 47 metres west of Freer Drive to approximately south of Gourlay Farm Lane), and Vincent Drive (from approximately 61 metres north of Leslie Davis Street to approximately south of Gourlay Farm Lane, and from approximately 10 metres north of Gourlay Farm Lane to approximately south of Gourlay Farm Lane), discharging to proposed storm sewers, located on Gourlay Farm Lane;
- **storm sewers** on Leslie Davis Street (from approximately 15 metres east of William Creighton Street to approximately 31 metres west of Tice River Way), Tice River Way (from approximately 67 metres west of Vincent Drive to approximately south of Leslie Davis Street), and William Creighton Street (from approximately 15 metres north of Leslie

Davis Drive to approximately south of Leslie Davis Street) discharging to proposed storm sewers, located on Leslie Davis Street; and

- **storm sewers** on Gourlay Farm Lane (from approximately east of Robert Woolner Street to approximately west of Tice River Way), discharging to proposed storm sewers, located on Tice River Way;

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. "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;
6. "Owner" means 828543 Ontario Inc. and 839658 Ontario Inc., and includes their successors and assignees;
7. "OWRA" means the Ontario Water Resources Act, R.S.O. 1990, c. O.40, as amended;
8. "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.

Schedule "A"

1. Application for Environmental Compliance Approval, dated September 30, 2018, received on February 8, 2019, submitted by 828543 Ontario Inc. and 839658 Ontario Inc.;
2. Transfer of Review Letter of Recommendation, dated February 26, 2019 and signed by Hendrik Fourie, P.Eng., Head: Environmental Projects, Transportation and Environmental Services, Regional Municipality of Waterloo;
 - a. Final Plans and Specifications prepared by Stantec Consultants Ltd.
 - b. Pipe Data Form - Watermain, Storm Sewer, Sanitary Sewer, and Forcemain Design Supplement to Application for Approval for Water and Sewage Works.
 - c. Hydraulic Design Sheets prepared by Stantec Consultants Ltd.
3. Emails dated February 15, 2019 from Mr. John Vleeming, Stantec Consultants Ltd.
4. Email dated February 25, 2019 from Mr. John Vleeming, Stantec Consultants Ltd.
5. Email dated February 26, 2019 from Mr. Hendrik Fourie, Regional Municipality of Waterloo.

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 to prevent the operation of stormwater pipes and other conveyance until such time that their required associated stormwater management

Works are also constructed.

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:

- 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 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**

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 March,
2019

Aziz Ahmed, P.Eng.
Director
appointed for the purposes of Part

II.1 of the *Environmental Protection Act*

JG/

c: District Manager, MECP Guelph

John Vleeming, Stantec Consultants Ltd.

Kris Fletcher, Regional Clerk, Regional Municipality of Waterloo (File No. ND-02-18)

Hendrik Fourie, P.Eng., Regional Municipality of Waterloo

Andrew McNeeley, Township of North Dumfries



Ministry
of the
Environment

Ministère
de
l'Environnement

CERTIFICATE OF APPROVAL
MUNICIPAL AND PRIVATE SEWAGE WORKS
NUMBER 0522-6U8PDG
Issue Date: November 15, 2006

828543 Ontario Inc.
1919 Albion Rd
Toronto, Ontario, M9W 6J9

Site Location: Hilltop Subdivision, Stage 3
Lot 33 & 34, Concession 7
North Dumfries Township,
Regional Municipality of Waterloo.

You have applied in accordance with Section 53 of the Ontario Water Resources Act for approval of:

establishment of Storm Water Management Works to service Hilltop Community Subdivision on an approximately 18.0ha. land and 29.32ha. external undeveloped area, for enhanced level of quality and quantity control of 25mm to Regional Storm events (including 100-year) post development flows to predevelopment flow rates consisting of the following:

Facility 'A' (for 8.6ha. development):

- a constructed wetland located on Block 106, east of Marten Crescent, complete with a forebay with approximately 1,042cu.m. in permanent, 447cu.m. of extended detention and a total storage volume of 9,324cu.m., complete with,
- one (1) 110mm and one (1) 400mm diameter vertical orifices located in a 1500mm diameter perforated riser to discharge into a 600mm diameter outlet pipe to drain into Municipal storm drainage manhole MH61 on Hunt Street,
- a 2.4m. wide by 2.0m deep, 300m long infiltration gallery around the periphery of the wetland complete with 300mm diameter perforated pipe and 20mm to 50mm diameter clear stone,
- a 4m wide by 150mm deep overflow spillway, protected with rip-rap to discharge stormwater flow west onto the Hilltop Drive, in case of blockage of all outlets during severe storms,
- 1.0m deep, varying width, approximately 465m long infiltration galleries located at the backyard of the residential area as shown on drawings, complete with 150mm diameter perforated pipe and 20mm to 50mm diameter clear stone,

Facility 'B' (for 38.72ha. development):

- a constructed wetland located on Blocks 39 and 33, located at east of Swan Street, complete with two forebays with approximately 4,840cu.m. in permanent, 6,800cu.m. of extended detention and a total storage volume of 74,541cu.m., complete with,
- one (1) 195mm and one (1) 250mm diameter vertical orifices located in a 1800mm diameter perforated riser to discharge into a 525mm diameter outlet pipe to drain into the existing Valleyview Stormwater Management Facility ultimately discharging to the Nith River,
- one (1) 10m wide 750mm deep trapezoidal overflow spillway to discharge to Swan Street side ditch to Nith River,

including appurtenances, erosion/sedimentation control measures during every stage of construction to minimize the effects on external lands and to reduce the amount of silt carried to the Municipal Stormsewers;

all in accordance with the **Application for Approval of Municipal and Private Sewage Works**, dated September 21, 2006, **Stormwater Management Report**, August 2006, final plans and addendum documents prepared and submitted by Kevin Brousseau, C.E.T., Stantec Consulting Ltd., Consulting Engineers.

For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:

"Certificate" means this entire certificate of approval document, issued in accordance with Section 53 of the *Ontario Water Resources Act*, and includes any schedules;

"Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the *Ontario Water Resources Act*;

"District Manager" means the District Manager of the Guelph District Office of the Ministry;

"Ministry" means the Ontario Ministry of the Environment;

"Municipality" means the Town of North Dumfries;

"Owner" means 828543 Ontario Inc. and includes its successors and assignees; and

"Works" means the sewage works described in the Owner's application, this certificate and in the supporting documentation referred to herein, to the extent approved by this certificate.

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

TERMS AND CONDITIONS

1. GENERAL PROVISIONS

(1) 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 *Certificate*, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this *Certificate*.

(2) Where there is a conflict between a provision of any submitted document referred to in this *Certificate* and the Conditions of this *Certificate*, the Conditions in this *Certificate* shall take precedence, and where there is a conflict between the listed submitted documents, the document bearing the most recent date shall prevail.

(3) 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.

2. EXPIRY OF APPROVAL

The approval issued by this *Certificate* will cease to apply to those parts of the *Works* which have not been constructed within five (5) years of the date of this *Certificate*.

3. CHANGE OF OWNER

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*; and

(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*.

4. OPERATION AND MAINTENANCE

- (1) The *Owner* shall ensure that the design minimum liquid retention volumes are maintained in the wetlands 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 updated 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.

5. 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 *Certificate*.

6. GROUNDWATER MONITORING AND RECORDING

- (1) The *Owner* shall, establish two (2) groundwater monitoring wells of 50mm diameter PVC pipe, 8.0m and 25m deep at locations as indicated on the 'Stormwater Management Plan' drawing # C-100 and upon commencement of operation of the *Works*, carry out the following sampling and monitoring program. All samples and measurements taken for the purposes of this *Certificate* are to be taken at a time and in a location characteristic of the quality of the groundwater over the time period being monitored.
- (2) For the purposes of this condition, the following definitions apply: (a) Annually means once every twelve months.
- (3) Samples shall be collected at the following sampling points, at the frequency specified, by means of the specified sample type and analyzed for each parameter listed and all results recorded:

Table 1 - Groundwater Monitoring
Parameters (Sample Type) Frequency
Groundwater Level Reading three(3) times, once inspring, summer and fall
Chloride Grab) annually
Total Ammonia Nitrogen (Grab) annually
Total dissolved Metals (Grab) annually

- (4) The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following:
 - (a) the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended from time to time by more recently published editions;
 - (b) the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions;
 - (c) the publication "Standard Methods for the Examination of Water and Wastewater" (20th edition), as amended from time to time by more recently published editions;
 - (d) for any parameters not mentioned in the documents referenced in (a) and (b), the written approval of the District Manager shall be obtained prior to sampling.
- (5) The temperature and pH of the effluent from the *Works* shall be determined in the field at the time of sampling for Total Ammonia Nitrogen. The concentration of un-ionized ammonia shall be calculated using the total ammonia

concentration, pH and temperature using the methodology stipulated in "Ontario's Provincial Water Quality Objectives" dated July 1994, as amended, for ammonia (un-ionized).

(6) The Owner shall retain for a minimum of three (3) years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this Certificate.

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 *Certificate* 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 subsequent owners of the works are made aware of the certificate and continue 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 to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the *Works*.
6. Condition 6 is included to ensure that the performance of the works is evaluated, recorded and reported on an annual basis.

In accordance with Section 100 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, as amended, 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 101 of the Ontario Water Resources Act, R.S.O. 1990, Chapter 0.40, provides that the Notice requiring the hearing shall state:

1. The portions of the approval or each term or condition in the 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 Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

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

This Notice must be served upon:

The Secretary*
Environmental Review Tribunal
2300 Yonge St., Suite 1700
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Director
Section 53, *Ontario Water Resources Act*
Ministry of the Environment
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

CONTENT COPY OF ORIGINAL

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

The above noted sewage works are approved under Section 53 of the Ontario Water Resources Act.

DATED AT TORONTO this 15th day of November, 2006

Mohamed Dhalla, P.Eng.
Director
Section 53, *Ontario Water Resources Act*

MN/
c: District Manager, MOE Guelph
Clerk, the Town of North Dumfries;
Kevin Brousseau, C.E.T., Stantec Consulting Ltd.

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 5264-BATK97

Issue Date: May 2, 2019

839658 Ontario Inc.
1919 Albion Rd
Toronto, Ontario
M9W 5S8

Site Location: Legacy Estates Subdivision
895 Brant-Waterloo Rd
Township of North Dumfries,
Regional Municipality of Waterloo, Ontario
N0B 1E0

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 stormwater management Works to serve the proposed Legacy Estates Subdivision development, located at 895 Brant-Waterloo Rd, in the Township of North Dumfries, Regional Municipality of Waterloo, for the collection, transmission, treatment and disposal of stormwater runoff from a total catchment area of 25.4 hectares, to provide Enhanced Level water quality protection and erosion control, and to attenuate post-development peak flows to pre-development peak flow for all storm events up to and including the 100-year storm event, discharging to Nith River, consisting of the following:

stormwater management facility (catchment area 25.4 hectares): one (1) constructed wetland with a 1.5 metre deep sediment forebay, located immediately adjacent to the intersection of Swan Street and Brant-Waterloo Road, having a permanent storage volume of approximately 2,035 cubic metres, an extended detention volume of approximately 1,016 cubic metres, and a total active storage volume of approximately 19,775 cubic metres at an active storage depth of 2.0 metres (elevation 296.0 metres), complete with one (1) inlet structure at the northwest corner, consisting of a 1200 millimetre storm inlet pipe and a concrete headwall, one (1) 20.0 metre wide emergency overflow weir, one (1) 3.0 meter wide access road, and one (1) outlet structure at the southwest corner, consisting of a 1,200 millimetre diameter perforated CSP riser, a 150 millimetre diameter orifice and a 600 millimetre outlet pipe, discharging to the Mitchell Drain via the orifice and a cooling trench along the perimeter of the constructed wetland during low flows and the outlet pipe/orifice during higher flows, allowing a maximum discharge of

0.81 cubic metres per second under the 100-year storm event to the Mitchell Drain;

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 supporting documents set out in Schedule "A" attached to 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. "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;
6. "MNRF" means the Ministry of Natural Resources and Forestry of the government of Ontario and includes all officials, employees or other persons acting on its behalf;
7. "Owner" means 839658 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.
6. 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/MNRF 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.

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 inspect and ensure that the design minimum liquid retention volume is maintained in the Works at all times, except when maintenance is required.
4. 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.

5. 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.
6. 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.
7. 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.
8. 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.

Schedule A

1. Application for Environmental Compliance Approval, dated September 13, 2018 and

received on December 14, 2018, submitted by Stantec Consulting Ltd. on behalf of 839658 Ontario Inc.;

2. Hilltop Estate Subdivision Stage 4 (now known as Legacy Estates Subdivision), Ayr, Stormwater Management Plan, dated September 22, 2017 and prepared by Stantec Consulting Ltd.;

3. Memo Re. Legacy Subdivision Stormwater Management - Comment Responses, dated June 14, 2018 and prepared by Bryan Weersink of Stantec Consulting Ltd.;

4. A set of forty-three (43) engineering drawings, stamped and dated on November 19 and 21, 2018, prepared by Stantec Consulting Ltd.; and

5. Other supporting documents.

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. Condition 1.6 is included to emphasize that the issuance of this Approval does not diminish any other statutory and regulatory obligations to which the Owner is subject in the construction, maintenance and operation of the Works. The Condition specifically highlights the need to obtain any necessary conservation authority approvals. The Condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
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.

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:

- 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 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

* 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

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 May,
2019

Aziz Ahmed, P.Eng.
Director
appointed for the purposes of Part
II.1 of the *Environmental Protection
Act*

SW/
c: District Manager, MECP Guelph
John Vleeming, Stantec Consultants Ltd.



AMENDED ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 4689-A8ZLNZ

Issue Date: June 29, 2016

2081788 Ontario Corporation
2 Prince Edward Rd
Woodstock, Ontario
N4V 1G7

Site Location: Broos Property Phase 1
Lot 32 and 33, Concession 7
Township of North Dumfries, County of Wellington

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:

expansion of Storm Water Management Works to service Hilltop Community Subdivision and Broos Property for enhanced level of quality and quantity control of 25 millimetres to Regional Storm events (including 100-year) post development flows to pre-development flow rates consisting of the following:

Proposed Works

Facility 'B' (catchment area of 29.8 hectares (interim) 30.3 hectares (ultimate) of development and 39.1 hectares (interim), 30.8 hectares (ultimate) external undeveloped area):

a **constructed wetland** located on Blocks 39 and 77, located at east of Swan Street, complete with two (2) forebays with approximately 3055 cubic metres in permanent, 4926 cubic metres (interim) and 2763 cubic metres (ultimate) of extended detention and a total storage volume of 76118 cubic metres (interim) and 60216 cubic metres (ultimate), complete with:

one (1) 195 millimetre, one (1) 250 millimetre, one (1) 450 millimetre diameter vertical orifices located in a 1800 millimetre diameter perforated riser to discharge into a 525 millimetre diameter outlet pipe to drain into the existing Valleyview Stormwater Management Facility ultimately discharging to the Nith River,

one (1) 10 metre wide 500 millimetre deep trapezoidal overflow spillway to discharge to Swan Street side ditch to Nith River,

0.7 metre deep, 1.5 metre wide, approximately 445 metre **long infiltration gallery** located along the lots 1-28, complete with 150 millimetre diameter perforated pipe and 50 millimetre diameter clear stone,

0.7 metre deep, 1.5 metre wide, approximately 172.7 metre long **infiltration gallery** located along the rear yards of blocks 32-46, complete with 150 millimetre diameter perforated pipe and 50 millimetre diameter clear stone;

0.7 metre deep, 1.5 metre wide, approximately 172.7 metre long **infiltration gallery** located along

the rear yards of blocks 47-58 and 78-85, complete with 150 millimetre diameter perforated pipe and 50 millimetre diameter clear stone;

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

Previous Works

Facility 'A' (catchment area of 8.6 hectares):

a **constructed wetland** located on Block 106, east of Marten Crescent, complete with a forebay with approximately 1,042 cubic metres in permanent, 447 cubic metres of extended detention and a total storage volume of 9,324 cubic metres, complete with,

one (1) 110 millimetre and one (1) 400 millimetre diameter vertical orifices located in a 1500 millimetre diameter perforated riser to discharge into a 600 millimetre diameter outlet pipe to drain into Municipal storm drainage manhole MH61 on Hunt Street,

a 2.4 metre wide by 2.0 metre deep, 300 metre long infiltration gallery around the periphery of the wetland complete with 300 millimetre diameter perforated pipe and 20 millimetre to 50 millimetre diameter clear stone,

a 4 metre wide by 150 millimetre deep overflow spillway, protected with rip-rap to discharge stormwater flow west onto the Hilltop Drive, in case of blockage of all outlets during severe storms,

1.0 metre deep, varying width, approximately 465 metres long **infiltration galleries** located at the backyard of the residential area as shown on drawings, complete with 150 millimetre diameter perforated pipe and 20 millimetre to 50 millimetre diameter clear stone;

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 Environmental Compliance Approval and any Schedules to it, including the application and supporting documentation;
2. "Director" means any Ministry employee appointed by the Minister pursuant to section 5 of the Part II.1 of the Environmental Protection Act;
3. "District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;
5. "Ministry" means the Ontario Ministry of the Environment and Climate Change;
6. "Owner" means 2081788 Ontario Corporation, and includes its successors and assignees;
7. "Previous Works" means those portions of the sewage works previously constructed and approved under an Approval;

8. "Proposed Works" means the sewage works described in the Owner's application, this Approval, to the extent approved by this Approval;

9. "Water Supervisor" means the Water Supervisor of the appropriate local office of the Safe Drinking Water Branch of the Ministry, where the Works are geographically located;

10. "Works" means the sewage works described in the Owner's application, this Approval and in the supporting documentation referred to herein, to the extent approved by 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

1.1 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.

1.2 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, the application for approval of the works and the submitted supporting documents and plans and specifications as listed in this Approval.

1.3 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.

1.4 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.

1.5 The requirements of this Approval are severable. If any requirement of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such requirement to other circumstances and the remainder of this Approval shall not be affected thereby.

1.6 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/MNRF 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.

2. EXPIRY OF APPROVAL

2.1 The approval issued by 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

3.1 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; and

(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.

3.2 Notwithstanding any other requirements in this Approval, upon transfer of the ownership or assumption of the Works to a municipality if applicable, any reference to the District Manager shall be replaced with the Water Supervisor.

4. OPERATION AND MAINTENANCE

4.1 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 stormwater works do not constitute a safety or health hazard to the general public.

4.2 The Owner shall undertake an inspection of the condition of the stormwater management system, 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 above noted stormwater management Works to prevent the excessive build-up of sediment, debris and/or decaying vegetation to avoid reduction of capacity of the stormwater management Works. The Owner shall also regularly inspect and clean out the inlet to and outlet from the works to ensure that these are not obstructed.

4.3 The Owner shall ensure that the design storage volumes are maintained at all times.

4.4 The Owner shall inspect the Works and carry out regular operation and maintenance activities as proposed in the Section 4.0 of the "Stormwater Management Report, Hilltop Stage 3, (Phase 4) and Broos Property (Phase 1)", dated July 13, 2015 prepared by Stantec Consulting Ltd.

4.5 The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall make the logbook available for inspection by the Ministry upon request. The logbook shall include, but not necessarily be limited to, the following information:

(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.

5. TEMPORARY EROSION AND SEDIMENT CONTROL

5.1 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 .

5.2 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

6.1 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 and maintenance activities required by this Approval.

7. GROUNDWATER MONITORING AND RECORDING

7.1 The Owner shall, establish two (2) groundwater monitoring wells of 50 millimetre diameter PVC pipe, 8.0 metres and 25 metres deep at locations as indicated on the 'Stormwater Management Plan' drawing # C-100 and upon commencement of operation of the Works, carry out the following sampling and monitoring program. All samples and measurements taken for the purposes of this Approval are to be taken at a time and in a location characteristic of the quality of the groundwater over the time period being monitored.

7.2 For the purposes of this condition, the following definitions apply: (a) Annually means once every twelve months.

7.3 Samples shall be collected at the following sampling points, at the frequency specified, by means of the specified sample type and analyzed for each parameter listed and all results recorded:

Table 1 - Groundwater Monitoring		
Parameters	(Sample Type)	Frequency
Groundwater Level	Reading	three(3) times, once in spring, summer and fall
Chloride	(Grab)	annually
Total Ammonia Nitrogen	(Grab)	annually
Total dissolved Metals	(Grab)	annually

7.4 The methods and protocols for sampling, analysis and recording shall conform, in order of precedence, to the methods and protocols specified in the following:

(a) the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only), as amended from time to time by more recently published editions;

(b) the Ministry's publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" (January 1999), ISBN 0-7778-1880-9, as amended from time to time by more recently published editions;

(c) the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition), as amended from time to time by more recently published editions;

(d) for any parameters not mentioned in the documents referenced in (a) and (b), the written approval of the District Manager shall be obtained prior to sampling.

7.5 The temperature and pH of the effluent from the Works shall be determined in the field at the time of sampling for Total Ammonia Nitrogen. The concentration of un-ionized ammonia shall be calculated using the total ammonia concentration, pH and temperature using the methodology stipulated in "Ontario's Provincial Water Quality Objectives" dated July 1994, as amended, for ammonia (un-ionized).

7.6 The Owner shall retain for a minimum of three (3) years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this Approval.

Schedule "A"

1. Application for Environmental Compliance Approval for Municipal and Private Sewage Works, dated October 7, 2015 and received on October 23, 2015, submitted by 2081788 Ontario Corporation.
2. Stormwater Management Report, Hilltop Stage 3, (Phase 4) and Broos Property (Phase 1), dated July 13, 2015 prepared by Stantec Consulting Ltd.
3. Engineering Drawings: Broos Property Phase 1 & Hilltop Stage 3 Phase 4, dated October 2015 prepared by Stantec Consulting Ltd.
4. E-mails from David Williams and Kevin Brousseau of Stantec Consulting Ltd. to the ministry, dated April 12, 2016, June 15, 2016, June 24, 2016 and June 27, 2016.
5. Application for Approval of Municipal and Private Sewage Works, dated September 21, 2006, Stormwater Management Report, August 2006, final plans and addendum documents prepared and submitted by Kevin Brousseau, C.E.T., Stantec Consulting Ltd., Consulting Engineers.

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. The condition also advises the Owners their responsibility to notify any person they authorized to carry out work pursuant to this Approval the existence of this Approval. Condition 1.6 is included to emphasize that the issuance of the Approval does not diminish any other statutory and regulatory obligations to which the owner is subject in the construction, maintenance and operation of the works. The condition specifically highlights the need to obtain any necessary conservation authority approvals. The condition also emphasizes the fact that this Approval doesn't limit the authority of the Ministry to require further information.
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 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 approved stormwater management Works is required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. It is also required to ensure that adequate storage is maintained in the stormwater management facilities at

all times as required by the design, and to prevent stormwater impounded in the works from becoming stagnant. Furthermore, Condition 4 is included to ensure that the stormwater management 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 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 performance of the works is evaluated, recorded and reported on an annual basis.

Upon issuance of the environmental compliance approval, I hereby revoke Approval No(s). 0522-6U8PDG issued on November 15, 2006

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.

Pursuant to subsection 139(3) of the Environmental Protection Act, a hearing may not be required with respect to any terms and conditions in this environmental compliance approval, if the terms and conditions are substantially the same as those contained in an approval that is amended or revoked by this environmental compliance approval.

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 and Climate
Change
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**

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

DATED AT TORONTO this 29th day of June, 2016

Gregory Zimmer, P.Eng.

Director

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

NS/

c: District Manager, MOECC Guelph Office

DWMD Supervisor, MOECC Guelph Office

Kevin Brousseau, Stantec Consultants Ltd.