

**ENVIRONMENTAL COMPLIANCE APPROVAL**

NUMBER 7686-BTWPC6  
Issue Date: January 21, 2021

1384341 Ontario Ltd. operating as Cavanagh  
Developments  
9094 Cavanagh Rd  
Ashton, Ontario  
K0A 1B0

Site Location: 2596 Carp Road  
City of Ottawa, ON

*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 for the collection, transmission, treatment and disposal of stormwater runoff serving the operation of the concrete mixing plant within a 28.8 ha site (with a total development area of approximately 3 ha), located at 2596 Carp Road in the City of Ottawa, to provide an Enhanced Level quality control and quantity control for all storm events up to and including the 100-year storm event, discharging to the Huntley Creek, consisting of the following:

**Stormwater Treatment Train for the Concrete Plant Drainage Area**

- **StormSack insert filters** installed on all catchbasins to remove total suspended solids in stormwater runoff within the 2.94 ha concrete plant's drainage area;
- **One (1) oil and grit separator** (CDS model PMSU3035\_6 or equivalent), located downstream of STM CBMH 1 and upstream of the proposed dry pond, serving a total catchment area of 2.94 ha, having a sediment storage capacity of approximately 2,402 L, an oil storage capacity of approximately 994 L, a total capacity of approximately 5,718 L, and a maximum treatment capacity of 106 L/s, discharging via a 600 mm diameter outlet pipe to the proposed dry pond as described below;
- **One (1) dry pond** to be constructed in the northeast corner of the site, servicing a total catchment area of 2.94 ha, designed to provide quantity control for all storm events up to and including the 100-year storm event, having side slopes of 4:1, a bottom elevation of approximately 109.90 m, a bottom area of 1,512 sq. m and a top area of 2350 sq. m at the invert of the overflow spillway (111.00 m), with a depth of 2.1 m and an approximate volume of 2139 cubic metres, equipped with 5 m wide emergency overflow weir and 0.3 m of freeboard, discharging via an outlet structure comprised of a Hickenbottom structure complete

with 75 mm diameter orifice tube, a ditch inlet catchbasin (DICB) equipped with a 150 mm diameter orifice tube, as well as an outlet stormwater manhole STM MH1 (downstream of DICB) equipped with a pH monitor and a gate valve for isolation, to the the proposed bioretention trench as described below;

- **A low flow enhanced grass swale** in the dry pond, conveying smaller storm events (up to the 25mm storm) to the proposed Hickenbottom outlet structure in the southwest corner of the pond, with a v-notch shape an a total length of 53 m, with a side slope of 3:1, an average depth of 0.15 m, and a shallow longitudinal gradient of approximately 0.5% in order to reduce velocity and provide quality detention volume;
- **Bioretention trench** receiving stormwater from the dry pond, with 65 m length and 1.0 m width, approximately 65 square meters bioretention area, consisting of 200 mm depth of 100 mm diameter river stone on the top, 1.0 m depth of engineered soil planting bed in the middle, and 300 mm depth of 50 mm diameter clear stone wrapped in filter cloth at the bottom, having a total storage volume of approximately 47.6 cubic metres (38.1 cubic metres in the soil media and 9.5 cubic metres above), discharging to the Huntley Creek through a grass swale during large storm events;
- **pH control system** including a pH monitor located at the outlet of the dry pond, an alarm system, an isolation valve downstream of the 150 mm orifice at the outlet of dry pond to close the pond outlet, and a Fortrans carbon dioxide (CO<sub>2</sub>) injection system(or equivalent) to treat the redirected stormwater and pump it back to the pond, lowering the pH of stormwater from above 8.5 to around 7, if required;

#### **Stormwater Management Works for Access Road**

- **Enhanced Grass Swale:** a 105 m vegetated swale running along the north-western portion of the site, collecting runoff from the majority of the paved access road and servicing a total catchment area of 4.05 ha, with a side slope of 3:1, an average depth of 0.5 m, and a shallow longitudinal gradient of approximately 0.5%, discharging to the Huntley Creek;

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

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

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

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

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

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

"EPA" means the *Environmental Protection Act* , R.S.O. 1990, c.E.19, as amended;

"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;

"Owner" means 1384341 Ontario Ltd. operating as Cavanagh Developments and its successors and assignees;

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

"Wet Event" means a rainfall event with a minimum of 15 millimetres of rain in a 24 hour period;

"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 PROVISIONS**

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

(2) Except as otherwise provided by these terms and conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with this Approval.

(3) Where there is a conflict between a provision of this environmental compliance approval and any document submitted by the Owner, the conditions in this environmental compliance approval shall take precedence. Where there is a conflict between one or more of the documents submitted by the Owner, the Application shall take precedence unless it is clear that the purpose of the document was to amend the application.

(4) Where there is a conflict between the documents listed in the 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 terms and conditions of this Approval are severable. If any term and condition of this environmental compliance approval, or the application of any requirement of this environmental compliance 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 necessary to construct or operate the 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. COMPLETION OF PROPOSED WORKS**

(1) The Owner shall ensure that the design and construction of the Proposed Works is supervised by a Professional Engineer.

(2) Upon construction of the Proposed Works, the Owner shall prepare a statement, certified by a Professional Engineer, that the Works are constructed in accordance with this Approval, and upon request, shall make the written statement available for inspection by Ministry staff.

(3) Within six (6) months of the construction of the Proposed Works, a set of as-built drawings showing the Works "as constructed" shall be prepared. These drawings shall be kept up to date through revision undertaken from time to time and a copy shall be retained for the operational life of the Works.

(4) All Works in this Approval shall be constructed and installed and must commence operation within five (5) years of issuance of this Approval, after which time the Approval ceases to apply in respect of any portions of the Works not in operation. In the event that the construction, installation and/or operation of any portion of the Works is anticipated to be delayed beyond the time period stipulated, the Owner shall submit to the Director an application to amend the Approval to extend this time period, at least six (6) months prior to the end of the period. The amendment application shall include the reason(s) for the delay and whether there is any design change(s).

## **3. CHANGE OF OWNER**

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

(a) change of Owner;

(b) change of address of the Owner;

(c) change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the Business Names Act, R.S.O. 1990, c. B17 shall be included in the notification to the District Manager;

(d) change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the Corporations Information Act, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

(2) In the event of any change in ownership of the Works, other than a change in ownership to the municipality, i.e. assumption of the Works, the Owner shall notify the succeeding owner in writing of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

## **4. OPERATIONS MANUAL**

(1) The Owner shall prepare an operations manual prior to the commencement of operation of the Works, that includes, but not necessarily limited to, the following information:

- (a) operating 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 spill, bypasses and any other abnormal situations and for notifying the District Manager; and
- (e) complaint procedures for receiving and responding to public complaints.

(2) The Owner shall maintain the operations manual up to date through revisions undertaken from time to time and retain a copy at the location of the Works. Upon request, the Owner shall make the manual available for inspection and copying by Ministry personnel.

## 5. **EFFLUENT LIMITS**

(1) The Owner shall design, construct and operate the Works such that the concentrations of the materials named below as effluent parameters are not exceeded in the effluent from the Works.

<b>Effluent Limits</b>	
<b>Effluent Parameter</b>	<b>Concentration Limit</b> (milligrams per litre unless otherwise indicated)
Column 1	Column 2
Oil and Grease	10
Total Suspended Solids	10
pH of the effluent maintained between 6.5 to 8.5, inclusive, at all times	

(2) For the purposes of determining compliance with and enforcing subsection (1):

- (a) non-compliance with respect to a Concentration Limit is deemed to have occurred when any single sample analyzed for a parameter named in Column 1 of subsection (1) is greater than the corresponding maximum concentration set out in Column 2 of subsection (1);
- (b) non-compliance with respect to pH is deemed to have occurred when any single measurement is outside of the indicated range.

## 6. **EFFLUENT - VISUAL OBSERVATIONS**

Notwithstanding any other condition in this Approval, the Owner shall ensure 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 or foam on the receiving waters.

## **7. SPILL CONTINGENCY AND POLLUTION PREVENTION PLAN**

(1) Before the commencement of operation of the Works, the Owner shall prepare a Spill Contingency and Pollution Prevention Plan that outlines procedures as to how to mitigate the impacts of a spill within the drainage areas serviced by the Works and prevent pollution incidents, and provide a copy to the District Manager. The said plan shall include as a minimum, but not limited to:

(a) the name, job title and 24-hour telephone number of the person(s) responsible for activating the Spill Contingency and Pollution Prevention Plan;

(b) a site plan drawn to scale showing the types of business, streets, catch basins and/or manholes and/or ditches and/or drainage channels, drainage patterns (including direction(s) of flow in storm sewers) 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);

(c) steps to be taken to report, contain, clean up and dispose of contaminants following a spill;

(d) a listing of telephone numbers for: local clean-up companies who may be called upon to assist in responding to spills; local emergency responders including health institution(s); and Ministry of the Environment and Climate Change (MOECC) Spills Action Centre 1-800-268-6060;

(e) Materials Safety Data Sheets (MSDS) for each and every hazardous material which may be transported or stored within the area serviced by the Works;

(f) a description of the spill response and pollution prevention training provided to employees assigned to work in the area serviced by the Works, the date(s) on which the training was provided and to whom;

(g) an inventory of response and clean-up equipment available to implement the Spill Contingency and Pollution Prevention Plan, location and date of maintenance/replacement if warranted, including testing and calibration of the equipment; and

(h) the date on which the Spill Contingency and Pollution Prevention Plan was prepared and subsequently, amended.

(2) The Spill Contingency and Pollution Prevention Plan shall be kept in a conspicuous place near the reception area on site.

(3) The Spill Contingency and Pollution Prevention Plan will be amended from time to time as needed by changes in the operation of the facility or to reflect updates in the Municipal By-Laws, or improved Best Management Practices by the Owner.

## **8. OPERATIONS AND MAINTENANCE**

- (1) The Owner shall ensure that at all times, the Works and related equipment and appurtenances which are installed or used to achieve compliance with this Approval are properly operated and maintained.
- (2) The Owner shall undertake an inspection of the condition of the Works (e.g. oil and grit separator, swales, bioretention trench, dry pond, carbon dioxide injection system etc.), at least once a month, 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 ensure that the design minimum liquid retention volume is maintained in the Works and 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.
- (3) In the event that a spill is identified, the Owner shall investigate the cause and implement the Spill Contingency and Pollution Prevention Plan in accordance with Condition 7.(1), if necessary.
- (4) The Owner shall ensure the immediate clean-out of the oil and grit separator after a fuel or oil spill capture.
- (5) The Owner shall ensure that pH probe is maintained according to the manufacturer's recommendations;
- (6) The Owner shall continuously monitor pH of stormwater runoff and compare the analytical results to the Effluent Limits listed in Condition 5.
- (7) In the event that pH is outside of the range of 6.5 - 8.5 (based on the analytical results of subsection (6)), chemical treatment with carbon dioxide injection shall be conducted. Discharge shall not take place until pH readings of pond contents meets the effluent limits specified in Condition 5.
- (8) The Owner shall ensure that all processes are taken place indoor and no process material is stored outdoor.
- (9) The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Owner's office for inspection by the Ministry. The logbook shall include the following:
  - (a) the name of the Works; and
  - (b) the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed.
  - (c) the date of each spill within the catchment area, including follow-up actions / remedial measures undertaken.
- (10) 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 monitoring activities required by this Approval.

**9. MONITORING AND RECORDING**

The Owner shall, upon commencement of operation of the Works, carry out the following monitoring program:

- (1) 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 and quantity of the effluent stream over the time period being monitored.
- (2) The monitoring program shall include obtaining grab samples from the specified locations for at least four (4) rainfall Wet Events per year, with at least 30 days between two sampling events. All of the sampling (groundwater, surface water, and stormwater effluent) shall take place during the same wet event.
- (3) Samples shall be collected and analyzed at the following sampling point(s), at the sampling frequencies and using the sample type specified for each parameter listed:

<b>Pre-Construction Groundwater Baseline Monitoring</b>	
Groundwater Sampling Locations:	
<ul style="list-style-type: none"> <li>1. MW18-1 located upgradient of the stormwater system</li> <li>2. MW19-1 located downgradient of the stormwater system</li> <li>3. MW20-1 located further downgradient of the stormwater system</li> </ul>	
<b>Frequency</b>	Quarterly (for time period between the issuance of approval and the start of sewage operation)
<b>Sample Type</b>	Grab
<b>Parameters</b>	barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, silicon, silver, sodium, strontium, thallium, titanium, vanadium, zinc, dissolved aluminium, alkalinity, bromide, chloride, fluoride, hardness, nitrate, nitrite, sulphate, total dissolved solids, orthophosphate (dissolved reactive phosphorus), total phosphorus; <b>Field parameters:</b> pH, temperature, turbidity, conductivity, groundwater levels



<b>Pre-Construction Surface Water Baseline Monitoring</b>	
Surface Water Sampling Locations: 1. Upstream of Huntley Creek SW19-1 2. Downstream of Huntley Creek SW19-2	
<b>Frequency</b>	Quarterly (for time period between the issuance of approval and the start of sewage operation)
<b>Sample Type</b>	Grab
<b>Parameters</b>	barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, silicon, silver, sodium, strontium, thallium, titanium, vanadium, zinc, dissolved aluminium, alkalinity, bromide, chloride, fluoride, hardness, nitrate, nitrite, sulphate, total dissolved solids, orthophosphate (dissolved reactive phosphorus), total phosphorus, total suspended solids; <b>Field parameters:</b> pH, temperature, turbidity, conductivity

<b>Stormwater pH Monitoring</b> (Sampling point at the outlet of dry pond)	
<b>Frequency</b>	Continuous after the operation of sewage Works starts
<b>Sample Type</b>	Probe
<b>Parameters</b>	pH (field)

<b>Stormwater Effluent Monitoring</b> (Sampling point at the outlet of Bioretention Trench)	
<b>Frequency</b>	Quarterly (during Wet Event) after the operation of sewage Works starts
<b>Sample Type</b>	Grab
<b>Parameters</b>	barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, silicon, silver, sodium, strontium, thallium, titanium, vanadium, zinc, dissolved aluminium, alkalinity, bromide, chloride, fluoride, hardness, nitrate, nitrite, sulphate, total dissolved solids, orthophosphate (dissolved reactive phosphorus), total phosphorus, total suspended solids; <b>Field parameters:</b> pH, temperature, turbidity, conductivity

<b>Groundwater Monitoring</b>	
Groundwater Sampling Locations: 1. MW18-1 located upgradient of the stormwater system 2. MW19-1 located downgradient of the stormwater system 3. MW20-1 located further downgradient of the stormwater system	
<b>Frequency</b>	Quarterly (during Wet Event) after the start of sewage operation
<b>Sample Type</b>	Grab
<b>Parameters</b>	barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, silicon, silver, sodium, strontium, thallium, titanium, vanadium, zinc, dissolved aluminium, alkalinity, bromide, chloride, fluoride, hardness, nitrate, nitrite, sulphate, total dissolved solids, orthophosphate (dissolved reactive phosphorus), total phosphorus; <b>Field parameters:</b> pH, temperature, turbidity, conductivity, groundwater levels

<b>Surface Water Monitoring</b>	
Surface Water Sampling Locations: 1. Upstream of Huntley Creek SW19-1 2. Downstream of Huntley Creek SW19-2	
<b>Frequency</b>	Quarterly (during Wet Event) after the start of sewage operation
<b>Sample Type</b>	Grab
<b>Parameters</b>	barium, beryllium, boron, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, molybdenum, nickel, potassium, silicon, silver, sodium, strontium, thallium, titanium, vanadium, zinc, dissolved aluminium, alkalinity, bromide, chloride, fluoride, hardness, nitrate, nitrite, sulphate, total dissolved solids, orthophosphate (dissolved reactive phosphorus), total phosphorus, total suspended solids; <b>Field parameters:</b> pH, temperature, turbidity, conductivity

(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 publication "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater Version 2.0" (January 2016), PIBS 2724e02, as amended from time to time by more recently published editions;
- (b) the publication "Standard Methods for the Examination of Water and Wastewater" (21st edition) as amended from time to time by more recently published editions; and,
- (c) in respect of any parameters not mentioned in (a) or (b), the written approval of the District

Manager, which approval shall be obtained prior to sampling.

(5) The Owner shall immediately conduct pre-construction baseline monitoring after the issuance of this approval and ends the baseline monitoring after the operation of sewage Works.

(6) Stormwater pH monitoring, stormwater effluent monitoring, surface water monitoring, and groundwater monitoring shall start once the operation of sewage Works starts.

(7) The Owner shall not commence discharge stormwater effluent from the dry pond until analytical results on pH (at the outlet of dry pond) confirm compliance with Effluent Limits in Condition 5.

(8) 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 monitoring activities required by this Approval.

## **10. TEMPORARY EROSION AND SEDIMENT CONTROL**

(1) The Owner shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections once every **two (2) weeks** and after each significant storm event (a significant storm event is defined as a minimum of 25 mm of rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.

(2) The Owner shall maintain records of inspections and maintenance which shall be made available for inspection by the Ministry, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and erosion control measures.

## **11. REPORTING**

(1) One 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 report to the District Manager orally as soon as possible any non-compliance with the effluent criteria, and in writing within seven (7) days of non-compliance.

(3) The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.

(4) In addition to the obligations under Part X of the *Environmental Protection Act*, the Owner shall, within ten (10) working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, bypass or loss of any product, by-product, intermediate product, oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the District Manager describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.

(5) The Owner shall prepare and submit a performance report to the District Manager on an annual basis within 60 days following the end of the period being reported upon. The first such report shall cover the first annual period following the commencement of operation of the works and subsequent reports shall be submitted to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:

- (a) a summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in the Effluent Limits condition and Provincial Water Quality Objectives (PWQOs), as well as a discussion of exceedances, trends, and possible corrective actions needed, including an overview of the success and adequacy of the Works;
- (b) a description of any operating problems encountered and corrective actions taken;
- (c) a summary of all inspection, maintenance and clean-out carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works;
- (d) a summary of any effluent quality assurance or control measures undertaken in the reporting period;
- (e) a summary of the calibration and maintenance carried out on all effluent monitoring equipment;
- (f) a tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;
- (g) a summary of any complaints received during the reporting period and any steps taken to address the complaints;
- (h) a summary of all spill or abnormal discharge events; and,
- (i) a summary of any Notifications and Contingency Plan undertaken during the reporting period and a discussion regarding their adequacy.

*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 the Works are constructed in a timely manner so that standards applicable at the time of Approval of the Works are still applicable at the time of construction, to ensure the ongoing protection of the environment. It also ensure that the Works are constructed in accordance with the Approval and that record drawings of the Works "as constructed" are updated and maintained for future references.
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 a comprehensive operations manual governing all significant areas of operation, maintenance and repair is prepared, implemented and kept up-to-date by the owner and made available to the Ministry. Such a manual is an integral part of the operation of the works. Its compilation and use should assist the owner in staff training, in proper plant operation and in identifying and planning for contingencies during possible abnormal conditions. The manual will also act as a benchmark for Ministry staff when reviewing the owner's operation of the work.
5. Conditions 5 and 6 are imposed to ensure that the effluent discharged from the Works to the environment meets the Ministry's effluent quality requirements thus minimizing environmental impact on the receiver and to protect water quality, fish and other aquatic life in the receiving water body.
6. Condition 7 is included to ensure that the Ministry is immediately informed of the occurrence of an emergency or otherwise abnormal situation so that appropriate steps are taken to address the immediate concerns regarding the protection of public health and minimizing environmental damage and to be able to devise an overall abatement strategy to prevent long term degradation and the re-occurrence of the situation.
7. Condition 8 is included to require that the Works be properly operated and maintained such that the environment is protected.
8. Condition 9 is included to enable the Owner to evaluate and demonstrate the performance of the Works, on a continual basis, so that the Works are properly operated and maintained at a level which is consistent with the design objectives specified in the Approval and that the Works do not cause any impairment to the receiving watercourse.
9. Condition 10 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.

10. Condition 11 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.

### Schedule "A"

1. Application for Approval of Industrial Sewage Works, dated March 1, 2019 and received on March 5, 2019, and submitted by 1384341 Ontario Ltd. operating as Cavanagh Developments;
2. Stormwater Management and Servicing Report, dated March 2020, along with drawings, prepared by Pearson Engineering Limited;
3. Revised Stormwater Management and Servicing Report, dated August 2020, along with drawings, prepared by Pearson Engineering Limited;
4. Final Stormwater Management and Servicing Report, dated October 2020, along with drawings, prepared by Pearson Engineering Limited;
5. Technical Memo on Water Quality Monitoring, revised in October 2020 and prepared by Golder Associates Ltd.;

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

- a. The portions of the environmental compliance approval or each term or condition in the environmental compliance approval in respect of which the hearing is required, and;
- b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

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

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

*This Notice must be served upon:*

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

AND

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

AND

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

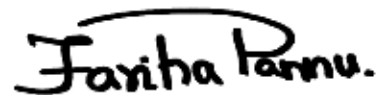
**\* Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or [www.ert.gov.on.ca](http://www.ert.gov.on.ca)**

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

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



DATED AT TORONTO this 21st day of January, 2021

A handwritten signature in black ink that reads "Fariha Pannu." The signature is written in a cursive style with a large, sweeping initial 'F'.

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Fariha Pannu, P.Eng.

Director

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

YZ/

c: District Manager, MECP Ottawa District Office  
Gary Pearson, Pearson Engineering Ltd.