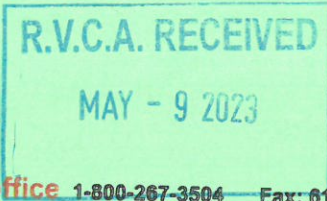




SEPTIC FILE #

23 - 119



NON-RESIDENTIAL\*\*  
 Commercial  
 Industrial  
 Institutional

Septic Office

3889 Rideau Valley Drive Box 599 Manotick, ON K4M 1A5

Phone: 613-692-3571 PRESS "4" for septic office 1-800-267-3504 Fax: 613-692-1507 Email: septic@rvca.ca

SITE ADDRESS: 3440 Frank Kenny Rd Township: OSG-HUN-GLO-FIT-CUM-NEP-GOU-RID-KAN-TOR

CONTACT: 1. WSP 2. Hydro One 3. \_\_\_\_\_

### INFORMATION FOR OWNER/APPLICANT

Attached is your Sewage System Permit. A minimum of two inspections are required before your proposed sewage system can be approved for use (additional inspections may be required for clay soils/bedrock and/or re-inspections). Inspections must be requested in writing. Please see attached:

- Inspection fax request form (all inspections MUST be requested in writing)
- As-built components and drawing form
- Copy of the approved application and schedule pages
- Approved Part 8 permit: **Electronic copy only** – Be sure to **INCLUDE** in Building Application Package for Plans Examiner at CITY of OTTAWA client services, if **NEW** or **RENO** construction project.

#### Special Note

- A permit is valid for **12 months** from the original date of issuance noted in "permit date". If lapsed, it **may be renewed only once** for a period of 12 months from the date of expiry.

- No person shall make a material change or cause a material change to be made to a plan, specification, document or other information on the basis of which a permit was issued without notifying, filing details with and obtaining the authorization of the Chief Building Official. (*Building Code Act 1992, c.23, s.8(12)*)

#### Sewage System Permit Construction Requirements

##### 1. Clay Soils/Bedrock only (if required per issued Approval)

In clay soils/bedrock, a site preparation inspection is required. The total contact area must be properly prepared. Scarification must be done under dry conditions prior to importing leaching bed fill.

##### 2. Installation Inspection – 2<sup>nd</sup> inspection

When the sewage system is substantially completed (i.e., before the final fill is placed over the septic tank and leaching bed system) an installation inspection is required. Prior to any inspection request, the following must be submitted:

- "as-built components" and "as-built drawings" — see attached form
- "engineer letter" — if the system is engineered
- grain size analysis and weight bills for all Filter Media types of septic systems
- Weight bills for washed septic stone, where applicable
- Maintenance/service contract for treatment unit installed

##### 3. Final Grading Inspection – 3<sup>rd</sup> inspection

When construction of the sewage system is complete, a final grading inspection is required. Before a Certificate of Completion can be issued, the following must be complete:


- The leaching bed and septic tank must be covered with sand fill and topsoil and graded accordingly
- All conditions of the Sewage System Permit & comments on the installation inspection report must be met
- The depth of cover & material type must be identified by inspection pipes or holes placed over trenches at 4 corners of bed
- The 4 corners of the bed must be staked

# Application for a Permit to Construct or Demolish

This form is authorized under subsection 8(1.1) of the *Building Code Act, 1992*

For use by Principal Authority			
Application number:	<b>R.V.C.A. RECEIVED</b>	Permit number (if different):	<b>SEPTIC FILE #</b>
Date received:	<b>MAY - 9 2023</b>	Roll number:	<b>23 - 119</b>
<b>OTTAWA</b>			
Application submitted to: <b>OTTAWA SEPTIC SYSTEM OFFICE</b> (Name of municipality, upper-tier municipality, board of health or conservation authority)			
<b>A. Project information</b>			
Building number, street name		Unit number	Lot/con.
<b>3440 Frank Kenny Road</b>			
Municipality	Postal code	Plan number/other description	
<b>Ottawa</b>	<b>K4B 1H9</b>	<b>Plan 4R-30029, Part 2</b>	
Project value est. <b>\$15,475,000.00 (building and site works)</b>		Area of work (m <sup>2</sup> ) <b>26,480 m2 (full site) / 1,000 m2 septic system</b>	
<b>B. Purpose of application</b>			
New construction <input checked="" type="checkbox"/>	Addition to an existing building	Alteration/repair	Demolition
			Conditional Permit
Proposed use of building		Current use of building	
<b>Hydro One Network Inc. Operation Centre</b>		<b>Previous building to be demolished</b>	
Description of proposed work <b>Installation of a new sewage system at the Hydro One Network Inc. Operation Centre, Phase 2</b>			
<b>C. Applicant</b>			
Applicant is:		Owner or	<input checked="" type="checkbox"/> Authorized agent of owner
Last name	First name	Corporation or partnership	
<b>Taylor</b>	<b>Scott</b>	<b>WSP Canada Inc.</b>	
Street address		Unit number	Lot/con.
<b>1931 Robertson Road</b>			
Municipality	Postal code	Province	E-mail
<b>Ottawa</b>	<b>K2H 5B7</b>	<b>ON</b>	<b>scott.a.taylor@wsp.com</b>
Telephone number ( 613 ) 592-9600	Fax ( 613 ) 592-9601	Cell number ( 613 ) 614-3985	
<b>D. Owner (if different from applicant)</b>			
Last name		First name	Corporation or partnership
<b>Tom</b>		<b>Kerry</b>	<b>Hydro One Networks Inc.</b>
Street address		Unit number	Lot/con.
<b>185 Clegg Road</b>			
Municipality	Postal code	Province	E-mail
<b>Markham</b>	<b>L6G 1B7</b>	<b>ON</b>	<b>kerry.tom@hydroone.com</b>
Telephone number ( )	Fax ( )	Cell number ( 905)751-5466	

Application for a Permit to Construct or Demolish – Effective January 1, 2014

<b>E. Builder (optional)</b>			
Last name <b>*Not Currently Known</b>	First name	Corporation or partnership (if applicable)	
Street address	Unit number		Lot/cont.
Municipality	Postal code	Province	E-mail
Telephone number ( )	Fax ( )	Cell number ( )	
<b>F. Tarion Warranty Corporation (Ontario New Home Warranty Program)</b>			
i. Is proposed construction for a new home as defined in the <i>Ontario New Home Warranties Plan Act</i> ? If no, go to section G.		Yes	No <input checked="" type="checkbox"/>
ii. Is registration required under the <i>Ontario New Home Warranties Plan Act</i> ?		Yes	No <input checked="" type="checkbox"/>
iii. If yes to (ii) provide registration number(s): _____			
<b>G. Required Schedules</b>			
i) Attach Schedule 1 for each individual who reviews and takes responsibility for design activities.			
ii) Attach Schedule 2 where application is to construct on-site, install or repair a sewage system.			
<b>H. Completeness and compliance with applicable law</b>			
i) This application meets all the requirements of clauses 1.3.1.3 (5) (a) to (d) of Division C of the Building Code (the application is made in the correct form and by the owner or authorized agent, all applicable fields have been completed on the application and required schedules, and all required schedules are submitted).		Yes <input checked="" type="checkbox"/>	No
Payment has been made of all fees that are required, under the applicable by-law, resolution or regulation made under clause 7(1)(c) of the <i>Building Code Act, 1992</i> , to be paid when the application is made.		Yes <input checked="" type="checkbox"/>	No
ii) This application is accompanied by the plans and specifications prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> .		Yes <input checked="" type="checkbox"/>	No
iii) This application is accompanied by the information and documents prescribed by the applicable by-law, resolution or regulation made under clause 7(1)(b) of the <i>Building Code Act, 1992</i> which enable the chief building official to determine whether the proposed building, construction or demolition will contravene any applicable law.		Yes <input checked="" type="checkbox"/>	No
iv) The proposed building, construction or demolition will not contravene any applicable law.		Yes <input checked="" type="checkbox"/>	No
<b>I. Declaration of applicant</b>			
I, <u>Scott Taylor</u> declare that:			
(print name)			
1. The information contained in this application, attached schedules, attached plans and specifications, and other attached documentation is true to the best of my knowledge.			
2. If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership.			
Date	2023.05.08	Signature of applicant	


Personal information contained in this form and schedules is collected under the authority of subsection 8(1.1) of the *Building Code Act, 1992*, and will be used in the administration and enforcement of the *Building Code Act, 1992*. Questions about the collection of personal information may be addressed to: a) the Chief Building Official of the municipality or upper-tier municipality to which this application is being made, or, b) the inspector having the powers and duties of a chief building official in relation to sewage systems or plumbing for an upper-tier municipality, board of health or conservation authority to whom this application is made, or, c) Director, Building and Development Branch, Ministry of Municipal Affairs and Housing 777 Bay St., 2nd Floor. Toronto, M5G 2E5 (416) 585-6666.

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MAY - 9 2023

### Schedule 1: Designer Information

Use one form for each individual who reviews and takes responsibility for design activities with respect to the project.

<b>A. Project Information</b>			
Building number, street name 3440 Frank Kenny Road		Unit no.	Lot/con. <b>SEPTIC FILE #</b>
Municipality Ottawa	Postal code K4B 1H9	Plan number/ other description Plan 4R-30029, Part 2 <b>23-119</b>	
<b>B. Individual who reviews and takes responsibility for design activities</b>			
Name Scott Taylor		Firm WSP Canada Inc. <b>OTTAWA</b>	
Street address 1931 Robertson Rd.		Unit no.	Lot/con.
Municipality Ottawa	Postal code K2H 5B7	Province	E-mail scott.a.taylor@wsp.com
Telephone number ( 613 ) 592 9600	Fax number ( 613 ) 592-9601	Cell number ( 613 ) 614-3985	
<b>C. Design activities undertaken by individual identified in Section B. [Building Code Table 3.5.2.1. of Division C]</b>			
House	HVAC – House	Building Structural	
Small Buildings	Building Services	Plumbing – House	
Large Buildings	Detection, Lighting and Power	Plumbing – All Buildings	
Complex Buildings	Fire Protection	<input checked="" type="checkbox"/> On-site Sewage Systems	
Description of designer's work Design of on-site sewage systems			
<b>D. Declaration of Designer</b>			
I <u>Scott Taylor</u> declare that (choose one as appropriate): (print name)			
I review and take responsibility for the design work on behalf of a firm registered under subsection 3.2.4. of Division C, of the Building Code. I am qualified, and the firm is registered, in the appropriate classes/categories. Individual BCIN: _____ Firm BCIN: _____			
I review and take responsibility for the design and am qualified in the appropriate category as an "other designer" under subsection 3.2.5. of Division C, of the Building Code. Individual BCIN: _____ Basis for exemption from registration: _____			
<input checked="" type="checkbox"/> The design work is exempt from the registration and qualification requirements of the Building Code. Basis for exemption from registration and qualification: <u>Registered Professional Engineer with PEO</u>			
I certify that:			
1. The information contained in this schedule is true to the best of my knowledge.			
2. I have submitted this application with the knowledge and consent of the firm.			
Date	2023.05.08	Signature of Designer	

**NOTE:**

- For the purposes of this form, "individual" means the "person" referred to in Clause 3.2.4.7(1) (c) of Division C, Article 3.2.5.1. of Division C, and all other persons who are exempt from qualification under Subsections 3.2.4. and 3.2.5. of Division C.
- Schedule 1 is not required to be completed by a holder of a license, temporary license, or a certificate of practice, issued by the Ontario Association of Architects. Schedule 1 is also not required to be completed by a holder of a license to practise, a limited license to practise, or a certificate of authorization, issued by the Association of Professional Engineers of Ontario.

R.V.C.A. RECEIVED


MAY - 9 2023

Schedule 2: Sewage System Installer Information

SEPTIC FILE #

23-119

OTTAWA

<b>A. Project Information</b>			
Building number, street name 3440 Frank Kenny Road		Unit number	Lot/con.
Municipality Ottawa	Postal code K4B 1H9	Plan number/ other description Plan 4R-30029, Part 2	
<b>B. Sewage system installer</b>			
Is the installer of the sewage system engaged in the business of constructing on-site, installing, repairing, servicing, cleaning or emptying sewage systems, in accordance with Building Code Article 3.3.1.1, Division C?			
Yes (Continue to Section C)		No (Continue to Section E)	<input checked="" type="checkbox"/> Installer unknown at time of application (Continue to Section E)
<b>C. Registered installer information (where answer to B is "Yes")</b>			
Name		BCIN	
Street address		Unit number	Lot/con.
Municipality	Postal code	Province	E-mail
Telephone number ( )	Fax ( )	Cell number ( )	
<b>D. Qualified supervisor information (where answer to section B is "Yes")</b>			
Name of qualified supervisor(s)		Building Code Identification Number (BCIN)	
<b>E. Declaration of Applicant:</b>			
I, <u>Scott Taylor</u> declare that:			
(print name)			
<input checked="" type="checkbox"/> I am the applicant for the permit to construct the sewage system. If the installer is unknown at time of application, I shall submit a new Schedule 2 prior to construction when the installer is known;			
<u>OR</u>			
I am the holder of the permit to construct the sewage system, and am submitting a new Schedule 2, now that the installer is known.			
I certify that:			
1. The information contained in this schedule is true to the best of my knowledge.			
2. If the owner is a corporation or partnership, I have the authority to bind the corporation or partnership.			
Date	2023.05.08	Signature of applicant	



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MAY - 9 2023

Do Not Complete  
Permit # \_\_\_\_\_  
Revision # \_\_\_\_\_  
Date \_\_\_\_\_

**Schedule 4**  
**Proposed Services**  
Complete Sections 1 thru 7

SEPTIC FILE #  
23-119  
OTTAWA

**1. Engineered**

- Yes
- No

**2. Water supply**

- Proposed
- Existing

**3. Type of work proposed**

- New Installation
- Replacement
- Alteration

**4. Type of Well**

- Dug/bored/Sandpoint well
- Drilled well
- Municipal
- Other

**5. Residential Sewage Design Flow Info.**  
**Bedrooms** \_\_\_\_\_  
**House (floor area)** \_\_\_\_\_ m<sup>2</sup>  
**People** \_\_\_\_\_  
**Total Fixture Units** \_\_\_\_\_ (Schedule 8)  
**Residential Flow** \_\_\_\_\_ L/day

**6. Sewage Design Flow Other Occupancies**  
 Design Flow 6,329 L/day  
 Detailed sewage flow calculations:

\_\_\_\_\_  
 \*Refer to attached Technical Memorandum  
 \_\_\_\_\_

**7. Type of System**

- Treatment Unit \_\_\_\_\_
- Class 2 – Leaching Pit
- Class 3 – Cesspool
- Class 4 – Shallow Buried Trench

---

- Class 4 – Trench (Schedule 9)
  - Fully raised
  - Partially raised
  - In-ground
- Class 4 – Filter Media (Schedule 10)
  - Fully raised
  - Partially raised
  - In-ground

- Class 4 – BMEC Area Bed (Schedule 11)
  - Fully raised
  - Partially raised
  - In-ground
- Class 4 – “Type A” Dispersal (Schedule 13)
  - Fully raised
  - Partially raised
  - In-ground
- Class 4 – “Type B” Dispersal (Schedule 14)
  - Fully raised
  - Partially raised
  - In-ground
- Class 5 – Holding Tank (9000L min)
- Tank/TreatmentUnit/PumpChamber ONLY
- Effluent Filter/Risers ONLY



Ottawa Septic System Office Bureau des systèmes septiques d'Ottawa

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MAY - 9 2023

**Schedule 5  
Sewage System Details**

Do Not Complete  
Permit No. SEPTIC FILE #  
Revision No. 23-119  
Date \_\_\_\_\_

Type of System Class 4 Sewage System - Type A Dispersal Bed (Schedule 4)  
 Septic/Holding Tank Size: 13,625 Litres Make: BOYD Bros  
 Septic Tank Effluent Filter Make: \_\_\_\_\_ Model: 13625AD

Treatment Unit – Make & Model Waterloo Biofilter Basket Tank System, BT-15500

Number of Units: 1

Other: \_\_\_\_\_

Refer to Typical Drawing # Figure 2

Pump(s) required 2

Mantle Information:

Pump Rate \_\_\_\_\_ L/15min

Native of imported = 15m in 1 direction(s)

Note: Alarm required for all pumping systems

Slope subgrade 3.3% (Mantle) % slope  
1 direction(s)

Site to be Scarified (If clay)  YES  NO  
 Clay Seal Required (If bedrock)  YES  NO

**Trench**

**Shallow Buried Trench**

Distribution Pipe Length \_\_\_\_\_ m

Pipe Length \_\_\_\_\_ m

Loading Area \_\_\_\_\_ m<sup>2</sup>

Type of Chamber \_\_\_\_\_

**Filter Media Bed**

Length of Chamber \_\_\_\_\_ m

Stone \_\_\_\_\_ m<sup>2</sup>

**Dispersal Bed**

Extended Base \_\_\_\_\_ m<sup>2</sup>

**BMEC**  **Type A**  **Type B**

Pipe \_\_\_\_\_ m

Stone 127 m<sup>2</sup>

Weight of Filter Media \_\_\_\_\_ Kg

Sand 792.5 m<sup>2</sup>

Loading Area \_\_\_\_\_ m

Pipe 120 m m<sup>2</sup>

Linear Loading \_\_\_\_\_ L/m<sup>2</sup>

**Tank/Treatment Unit/Pump Chamber Replacement ONLY**

**Effluent Filter & Riser ONLY**

Construction Notes:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



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MAY - 9 2023  
**Schedule 6**

Do Not Complete  
Permit # \_\_\_\_\_  
Revision # \_\_\_\_\_  
Date \_\_\_\_\_

**Soil and Water Table Information**  
**(Minimum depth of test pit: 2 metres)**

**SEPTIC FILE #**  
**23-119**  
**OTTAWA**

Name of Applicant/Agent: _____ Date: _____ Time: _____ Applicant/Agent Signature: _____	Inspector: _____ Date: _____ Time: _____ Inspector Signature: _____
---	---

EG (.....)	Soil Description	T	EG (.....)	Soil Description	T
.5m	*Refer to attached Technical Memorandum		.5m	Test pits not available for inspection. Engineer assumes all liability for soil and HGWT info/elev's.	
1.0 m			1.0 m		
1.5m			1.5m		
2.0 m			2.0 m		

EG (.....)	Soil Description	T	EG (.....)	Soil Description	T
.5m			.5m		
1.0 m			1.0 m		
1.5m			1.5m		
2.0 m			2.0 m		

**LEGEND**  
 BR = Bedrock                      HGWT = High ground water table                      EG = Existing grade  
 GWT = Ground water table                      M = metres                      T = percolation rate







**R.V.C.A. RECEIVED**  
 MAY - 9 2023  
**Schedule 8**  
**Fixture unit count**

Do Not Complete  
 Permit # \_\_\_\_\_  
 Revision # \_\_\_\_\_  
 Date \_\_\_\_\_

\*N/A

Fixtures	# Existing + # Proposed X unit count					= Fixture Count
<b>Bathroom</b>						
Bathroom group (toilet, sink and tub or shower) installed in the <u>same</u> room		+		X	6	=
Bathtub with/without overhead shower		+		X	1.5	=
Shower stall		+		X	1.5	=
Wash basin (SINK) (1½inch trap)		+		X	1.5	=
Watercloset (TOILET) tank operated		+		X	4	=
Bidet		+		X	1	=
<b>Kitchen</b>						
Dishwasher		+		X	1	=
Sink with/without garbage grinder(s), domestic and other small type single, double or 2 single with a common trap		+		X	1.5	=
<b>Other</b>						
Domestic washing machine		+		X	1.5	=
Combination sink and laundry tray single or double (Installed on 1½ trap)		+		X	1.5	=

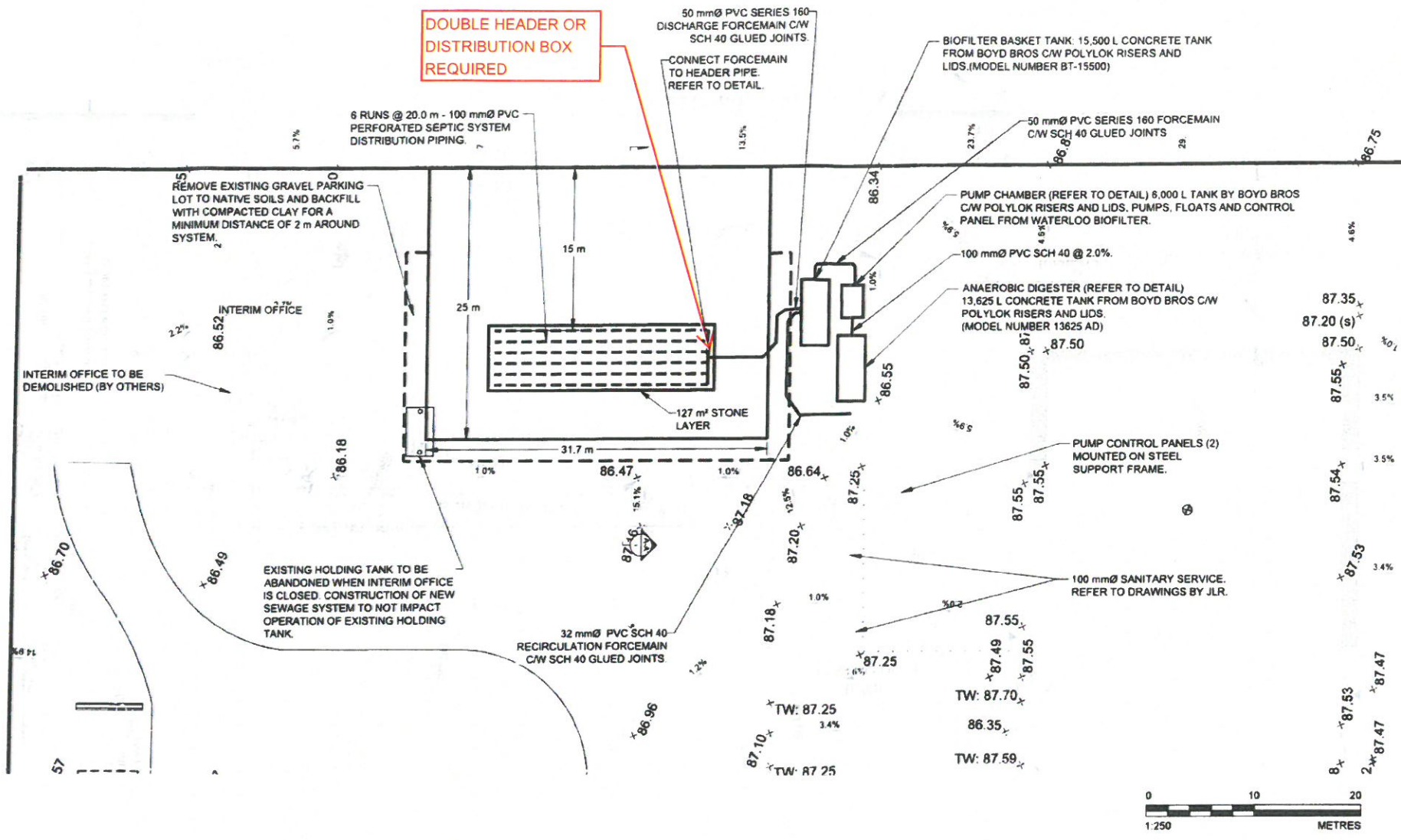
**\*Total:**

**\*Insert the TOTAL in section 5 of Schedule 4 (0.Reg 151/13 Table 7.4.9.3)**


1. **Sump pumps and floor drains are not to be connected to the sewage system.** Connection of such fixtures to a sewage system may lead to a hydraulic failure of the said system. The above mentioned fixtures should be discharged separately to an approved Class 2 (leaching pit) sewage system.
2. Where laundry waste is not more than 20% of the total daily design sanitary sewage flow, it may discharge to a sewage system (Part 8, OBC, 8.1.3.1(2)).

Agent/Owner signature \_\_\_\_\_

Date \_\_\_\_\_



- NOTE(S)**
- PROJECT COORDINATE IS UTM NAD83 ZONE 18.
- REFERENCE(S)**
- TOPOGRAPHIC SURVEY BY FAIRHALL MOFFATT & WOODLAND LIMITED. DRAWING TP\_ac169.dwg. JUNE 10, 2022
- GENERAL NOTES**
- CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY STANDARDS AND SPECIFICATIONS AND ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS WHERE APPLICABLE. ONTARIO PROVINCIAL STANDARDS SHALL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE. ALL DRAWINGS TO BE CHECKED FOR CONFORMANCE WITH APPLICABLE BUILDING CODES. NO ALTERATION OR GRADING OF SITE IS TO OCCUR PRIOR TO APPROVAL BY CITY.
  - THE CONTRACTOR IS RESPONSIBLE FOR ALL REMOVALS NECESSARY TO SATISFY ENGINEERING AND LANDSCAPE WORKS CONTRACTOR TO VISIT SITE PRIOR TO TENDERING AND CONFIRM SITE CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS REQUIRED AND BEAR COST OF SAME.
  - LOCATION OF SERVICES ARE NOT ALL SHOWN. LOCATION OF UTILITIES AND UNDERGROUND WORKS THAT ARE SHOWN ARE APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL SERVICES, UTILITIES AND UNDERGROUND STRUCTURES PRIOR TO ANY CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTION AND REINSTATEMENT.
  - THE CONTRACTOR SHALL CONSTRUCT SANITARY SEWERS IN ACCORDANCE WITH OPSD 802.010, 802.013 AND 802.014. DURING CONSTRUCTION, PROTECT PIPES FROM HEAVY CONSTRUCTION EQUIPMENT AS PER OPSD 808.01. BEDDING AND BACKFILL SHALL BE COMPACTED TO 95% SPMD. CONTRACTOR SHALL REFER TO THE GEOTECHNICAL REPORT FOR ANY FURTHER RECOMMENDATIONS. PROPOSED SEWER TRENCHES TO BE EXCAVATED TO REACH UNDISTURBED SOIL AND REPLACED WITH GRANULAR 'A' CRUSHED STONE BEDDING AND INITIAL BACKFILL TO 300MM ABOVE PIPE COMPACTED TO A MIN. OF 95% SPMD.
  - THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE RECEIVING STORM SEWER DURING CONSTRUCTION ACTIVITIES. THESE PRACTICES ARE REQUIRED TO ENSURE NO SEDIMENT AND/OR ASSOCIATED POLLUTANTS ARE RELEASED TO THE RECEIVING WATERCOURSE. THESE PRACTICES INCLUDE INSTALLATION OF SEDIMENT BARRIERS ON ALL CATCH BASIN AND MAINTENANCE HOLES AND A SILT FENCE BARRIER (AS PER OPSD 219.110 AND ASSOCIATED SPECIFICATIONS) ALONG ALL OTHER AREAS THAT SHEET DRAIN OFF SITE. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
  - ALL DISTURBED AREAS TO BE REINSTATED TO EQUAL OR BETTER CONDITION. PAVEMENT REINSTATEMENT FOR UTILITY CUTS SHALL BE IN ACCORDANCE WITH R10. ALL NEW WORK SHALL BLEND INTO EXISTING (TO BE APPROVED BY CONSULTANT).
  - ALL DIMENSIONS ARE IN METRES UNLESS OTHERWISE STATED. DRAWINGS SHOULD NOT BE SCALED BY THE CONTRACTOR. ANY MISSING OR QUESTIONABLE DIMENSIONS ARE TO BE CONFIRMED WITH THE CONSULTANT IN WRITING.
  - STRIPPING AND SUBGRADE PREPARATION SHALL BE PERFORMED WITH AN EXCAVATOR EQUIPPED WITH A SMOOTH MOUTHED BUCKET TO MINIMIZE DISTURBANCE. EXPOSED SUBGRADE SOIL SHALL BE GRADED TO ALLOW EFFECTIVE DRAINAGE DURING CONSTRUCTION. REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.
  - SIDE SLOPE OF EXCAVATIONS SHOULD BE SLOPED IN ACCORDANCE WITH THE REQUIREMENTS OF ONT. REG. 21391 UNDER THE OCCUPATIONAL HEALTH AND SAFETY ACT. REFER TO GEOTECHNICAL REPORT FOR CONSTRUCTION DETAILS.
  - NOTE THAT THE EXISTING GRADES AND WORKS SHOWN MAY NOT REFLECT ACTUAL SITE CONDITIONS DUE TO THE OVERLAPPING DEMOLITION AND NEW CONSTRUCTION. THE BIDDING CONTRACTORS ARE TO VERIFY ALL EXISTING UNDERGROUND AND ABOVE GROUND SITE CONDITIONS AND MAKE ALLOWANCE IN THE BID PRICE. NO EXTRAS WILL BE CONSIDERED FOR ANY VARIATION OR CONFLICTS TO CONSTRUCT THE WORKS AS PER THE DESIGN DRAWINGS.
  - REFER TO LANDSCAPE AND ARCHITECTURAL PLAN FOR FINISHES AND FENCING DETAILS AND LOCATIONS.

APPROVED BY: 

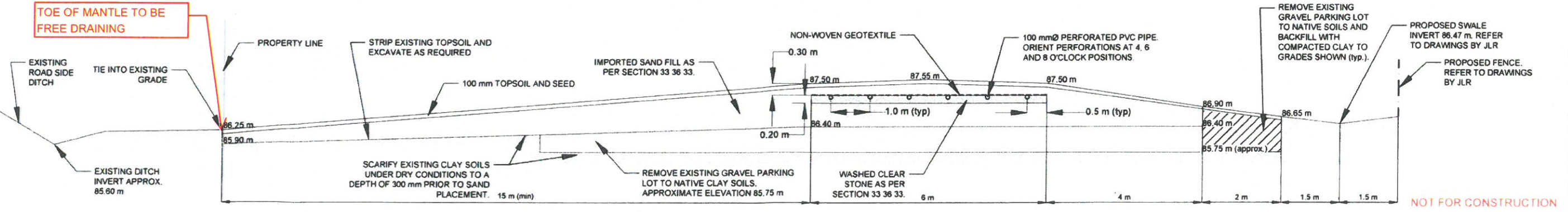
DATE: May 11, 2023

PERMIT NO: 23-119

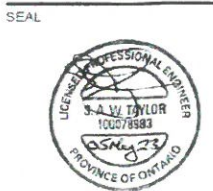
RIDEAU VALLEY CONSERVATION AUTHORITY



**TOE OF MANTLE TO BE FREE DRAINING**



0	2023-05-05	ISSUED FOR OSSO PERMIT	SWT	ABD	SWT	DVK
REV	YYYY-MM-DD	DESCRIPTION	DESIGNED	PREPARED	REVIEWED	APPROVED



CLIENT  
J.L. RICHARDS & ASSOCIATES LTD.

CONSULTANT  
 WSP CANADA INC.  
1931 ROBERTSON ROAD  
OTTAWA, ONTARIO  
CANADA  
(+1) (613) 592 9600

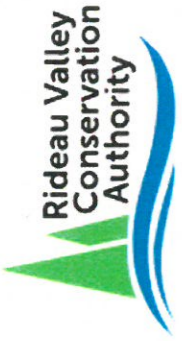
PROJECT  
HYDRO ONE ORLEANS OC, PHASE 2  
3440 FRANK KENNY ROAD, OTTAWA,  
ONTARIO

TITLE  
SEWAGE SYSTEM PLAN

PROJECT NO	CONTROL	REV	of	FIGURE
21493887	0003	0		1

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM A4 (210 x 297 mm) TO A3 (297 x 420 mm)





# Permit Part 8 – Sewage System Ontario Building Code

Do Not Complete  
 Permit No 23-119  
 Revision No \_\_\_\_\_  
 Date \_\_\_\_\_  
 Related Application \_\_\_\_\_

**A copy of this permit must be posted on the property at all time during construction. OBC, Division C — Part 1, Section 1.3.2.1**  
 This permit verifies that the on-site sewage system was reviewed and approved for construction under the *Ontario Building Code* and *O.Reg. 323/12* as amended by *O.Reg. 151/13*.

Inspected & Recommended by: ALEX DEKLEINE Owner: HYDRO ONE  
 Inspection Date & Time: MAY 11, 2023 Weather: SUNNY  
 Civic Address: 3440 FRANK KENNY ROAD Legal: LOT 10 CON 8  
 In the former Township/City of Cumberland

Design Flow for Commercial / Institutional / Industrial / Industrial (as per Table 8.2.1.3.B)  
 Q: SEE ATTACHED TECHNICAL MEMORANDUM FROM WSP - 6,329 L/day

pretreatment tank 13,625 L weigh bills for  yes  no  
 effluent filter - grain size analysis required  yes  no  
 pump rate AS PER WATERLOO BIOFILTER L/15 MIN site to be scarified  yes  no  
 treatment unit Waterloo Biofilter BT 15500 clay seal inspection  yes  no  
 number of units 1 mantle required  yes  no  
 sub-grade inspection  yes  no

ELEVATION  In Ground  Partially Raised  Fully Raised

**TYPE OF SYSTEM**  
 Trench  
 Pipe and Stone or  Chambers

type of chamber \_\_\_\_\_ m  
 loading area \_\_\_\_\_ m<sup>2</sup>  
 total trench length \_\_\_\_\_ m  
 trench configuration \_\_\_\_\_

Dispersal Bed  
 BMEC  Type A  Type B  
 stone \_\_\_\_\_ m<sup>2</sup> 127  
 sand \_\_\_\_\_ m<sup>2</sup> 792.5  
 pipe \_\_\_\_\_ 6 RUNS OF 20M @ 1M O/C  
 weight of sand \_\_\_\_\_ kg

Shallow Buried Trench  
 pipe length \_\_\_\_\_ m  
 orifice spacing \_\_\_\_\_ m  
 Filter Media Bed  
 stone \_\_\_\_\_ m<sup>2</sup>  
 extended base \_\_\_\_\_ m<sup>2</sup>  
 pipe \_\_\_\_\_  
 weight of filter media \_\_\_\_\_ kg  
 loading area \_\_\_\_\_ m<sup>2</sup>  
 Class 5 Holding Tank  
 Septic Tank Only

Manager, Septic System Approvals: [Signature] Permit Date: MAY 16, 2023  
 Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

maintenance/pumping required  ESA permit # required  engineer to verify  
 Class 5 Holding Tank approval only valid for three years from date of issue  subgrade  squirt height  
 Manager, Septic System Approvals: \_\_\_\_\_ Revision Date: \_\_\_\_\_  
 Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_