

JANUARY 27, 2026

PROJECT NO: 2996-7616

SENT VIA: EMAIL  
MFARNCOMBE@PUSLINCH.CA

Township of Puslinch  
7404 Wellington Road 34  
Puslinch, Ontario N0B 2J0

**Attention;      Monika Farncombe, Development and Legislative Coordinator**

**RE:                HYDROGEOLOGICAL COMMENT #2 FOR ZONING BY-LAW AMENDMENT APPLICATION  
2781-2809 TOWNLINE ROAD  
PUSLINCH, ONTARIO**

Dear Ms. Farncombe,

This letter has been prepared to provide a response to the following comment received from Wellington Hydrogeology Ltd. in a letter dated December 5, 2025, regarding the Zoning By-Law Amendment Application for 2781-2809 Townline Road in Puslinch Ontario (Site):

- **Comment 2: Private Water Supply**

**If the site is to be privately serviced, the proponent must demonstrate that sufficient groundwater supply is available to meet development demands. The water supply assessment must include drilling of test wells and pumping tests to confirm adequate water quantity and potable water quality in accordance with MECP Guideline D-5-5. A Permit to Take Water (PTTW) is required for water takings exceeding 50,000 L/day, which is anticipated for this development, and may involve additional requirements to demonstrate supply adequacy.**

- Response to Comment 2:

C.F. Crozier & Associates Inc. (Crozier) agrees that a water supply assessment including the installation of a test well and a subsequent pumping test should be undertaken to determine well yield, establish a recommended pumping rate and assess water quality, consistent with the principles of MECP Guideline D-5-5. However, it is Crozier's opinion that this testing can be completed to support the future Site Plan Application for the proposed development.

The assessment completed to date demonstrates that the development can be functionally serviced with a water supply well to satisfy the Zoning By-Law Amendment application requirements. Crozier's Private Servicing Assessment (November 10, 2025) included an estimation of water demand (36.2 or 52.76 litres per minute [LPM] for Concept Plan A and B, respectively), a review of the well-established hydrostratigraphy of the area, and an assessment of the water well records to determine the feasibility of servicing the proposed development with a water supply well. As stated in the assessment, the pumping rates for surrounding wells installed after 1990 are up to 95.6 LPM. MECP Well A102276 is located approximately 400 m east of the Site and was installed in 2011 to a depth of approximately 43 mbgs into limestone.

According to the well record (enclosed), the well yield was 90.9 LPM and the recommended pumping rate was 72.7 LPM. Similar rates were observed for other surrounding bedrock water supply wells (e.g., Wells 6714586 and 6706160). Higher pumping rates were observed with deeper wells installed greater than 50 mbgs (e.g., Wells 6506945 and 67103934). This demonstrates that bedrock wells in the area have well yields that meet the demand of the proposed development.

Based on the foregoing, it is Crozier's opinion that the assessment completed to date demonstrates that the proposed development can be functionally serviced with a water supply well and therefore review of the Zoning By-law Amendment application can proceed. Once the Site Plan is further refined, a water supply assessment will be conducted to support the Site Plan Application, which will include the installation of test well(s), completion of pumping test(s), and collection of water quality samples for the Township's review.

We trust this satisfies your requirements. Should you have any questions or require any further information, please do not hesitate to contact the undersigned.

Sincerely,

**C.F. CROZIER & ASSOCIATES INC.**



Jessica Doherty, P.Eng.  
Project Manager, Land Development

JD/cj

c.c. Jordan Dyer, Fieldgate Properties Ltd.  
Katherine Rentsch, C.F. Crozier & Associates Inc.  
Kyle Wetherall, C.F. Crozier & Associates Inc.

Enclosure MECP Well Record A102276

J:\2900\2996 - Fieldgate Properties Ltd\7616 - 2809 Townline Road\Letters\2026.01.27\_Response to HydroG Comment\2026.01.27\_(2996-7616)\_CFCA Response To Comment 2 Letter\_Final.docx

Address of Well Location (Street Number/Name) **6534 ELLIS RD.** Township **PUSLINGH** Lot **PT 2-3** Concession **2**  
 County/District/Municipality **WELLINGTON** City/Town/Village **CAMBRIDGE** Province **Ontario** Postal Code **N3C2V4**  
 UTM Coordinates Zone **17** Easting **558477** Northing **4809147** Municipal Plan and Sublot Number \_\_\_\_\_ Other \_\_\_\_\_

**Overburden and Bedrock Materials/Abandonment Sealing Record** (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
BROWN	SAND	STONES		0	20
BROWN	CLAY	SAND-GRAVEL		20	50
GREY	CLAY	GRAVEL		50	91
BROWN	LIMESTONE			91	140
<b>TOTAL DEPTH 140 FT</b>					

**Annular Space**

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m <sup>3</sup> /ft <sup>3</sup> )
0 20	BENTONITE	

**Results of Well Yield Testing**

After test of well yield, water was:		Draw Down		Recovery	
<input checked="" type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____		Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: _____		Static Level	27 FT		
Pump intake set at (m/ft) <b>50 FT</b>		1	29	1	29
Pumping rate (l/min / GPM) <b>16 GPM</b>		2	31	2	27
Duration of pumping <b>1 hrs + 0 min</b>		3	32	3	27
Final water level end of pumping (m/ft) <b>32 FT</b>		4	32	4	27
If flowing give rate (l/min / GPM) _____		5	32	5	27
Recommended pump depth (m/ft) <b>50 FT</b>		10	32	10	27
Recommended pump rate (l/min / GPM) <b>16 GPM</b>		15	32	15	27
Well production (l/min / GPM) <b>20 GPM.</b>		20	32	20	↓
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		25	32	25	
		30	32	30	
		40	32	40	
		50	32	50	
		60	32	60	

**Method of Construction**

Cable Tool  Diamond  Public  Commercial  Not used  
 Rotary (Conventional)  Jetting  Domestic  Municipal  Dewatering  
 Rotary (Reverse)  Driving  Livestock  Test Hole  Monitoring  
 Boring  Digging  Irrigation  Cooling & Air Conditioning  
 Air percussion  Industrial  
 Other, specify **AIR ROTARY**  Other, specify \_\_\_\_\_

**Construction Record - Casing**

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
6 1/8	STEEL	.188	+16"	94	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
6 1/8	OPEN HOLE		94	140	

**Construction Record - Screen**

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To

**Water Details**

Water found at Depth (m/ft)	Kind of Water: <input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Untested	Hole Diameter	
		Depth (m/ft)	Diameter (cm/in)
138 FT	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0 20	8 3/4
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	20 140	6 1/8

**Well Contractor and Well Technician Information**

Business Name of Well Contractor **JIM WILSON WELL DRILLING LTD.** Well Contractor's Licence No. **7 3 8 5**  
 Business Address (Street Number/Name) **551 EBYCREST RD.** Municipality **WATERLOO**  
 Province **ON.** Postal Code **N2T4G8** Business E-mail Address \_\_\_\_\_  
 Bus. Telephone No. (inc. area code) **519 648 2412** Name of Well Technician (Last Name, First Name) **WILSON Jim**  
 Well Technician's Licence No. **T1924** Signature of Technician and/or Contractor *Jim Wilson* Date Submitted **20110531**

**Map of Well Location**

Please provide a map below following instructions on the back.

Comments: \_\_\_\_\_

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered <b>20110505</b> Date Work Completed <b>20110505</b>	<b>Ministry Use Only</b> Audit No. <b>z129817</b> <b>JUN 09 2011</b> Received _____
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