Ontario

Ministry of the Environment, Conservation and Parks

Form 1 - Record of Watermains Authorized as a Future Alteration

Retain Completed Form - Do Not Send to the Ministry

Part 1 - Drinking Water Works Permit Number

(Insert the Drinking Water Works Permit number authorizing the addition, modification, replacement or extension of watermains)

Part 2 - Description of watermain addition, modification, replacement or extension (Use attachments if required)

Subdivision: Wyldwood Creek (Crozier # 1535-4897)

The proposed 200 mm diameter municipal watermain will connect to the existing 200 mm diameter private watermain located on Vacation Inn Drive/Trafalgar Road near the entrance to the development. The internal watermain will run south through the site and will extend to the existing 300 mm trunk watermain located in the Cranberry Trail West Road Extension. The new system will also include services to 7 buildings and 4 fire hydrants.

The description shall include:

1) A brief description above of the undertaking (e.g. street name(s); subdivision name; project name); and
2) An attachment including a plan view drawing identifying at a minimum:
   a) location(s) of the undertaking (e.g. showing street names, easements, etc.); and
   b) nominal diameter of the watermain(s) associated with the addition, modification, replacement or extension.

Part 3 - Verification by Professional Engineer

I hereby verify that I am a Professional Engineer who is licensed to practice in the Province of Ontario and the design of the watermain addition, modification, replacement or extension:

1) Has been prepared by a Professional Engineer who is licensed to practice in the Province of Ontario;
2) Has been designed only to transmit water and has not been designed to treat water;
3) Satisfies the design criteria set out in the Ministry of the Environment, Conservation and Parks publication “Watermain Design Criteria for Future Alterations Authorized under a Drinking Water Works Permit – June 2012”, as amended from time to time; and
4) Is consistent with, or otherwise addresses, the design objectives contained within the Ministry of the Environment, Conservation and Parks publication “Design Guidelines for Drinking Water Systems, 2008”, as amended from time to time.

Engineer Name	PEO Licence Number
Rebecca Alexander	100213093
Signature	Date (yyyy/mm/dd)
	2024/03/21

LICENSED PROFESSIONAL ENGINEER
R.A. ALEXANDER
100213093
PROVINCE OF ONTARIO

 © Queen's Printer for Ontario, 2018

Part 4 - Verification by Owner

I hereby verify that:

1) The maximum demand for water exerted by consumers who are serviced by the addition, modification, replacement or extension of the watermain will not result in an exceedance of the rated capacity of a treatment subsystem or the maximum flow rate for a treatment subsystem component as specified in the licence, or the creation of adverse conditions within the drinking water system;
2) The watermain addition, modification, replacement or extension will not adversely affect the distribution system's ability to maintain a minimum pressure of 140 kPa at ground level at all points in the distribution system under maximum day demand plus fire flow conditions.
3) Secondary disinfection will be provided to water within the added, modified, replaced or extended watermain to meet the requirements of O. Reg. 170/03;
4) The watermain addition, modification, replacement or extension is wholly located within the municipal boundary over which the owner has jurisdiction;
5) The owner consents to the watermain addition, modification, replacement or extension; and
6) I am authorized by the owner to complete this verification.

Name of Owner	Name of Owner Representative

Signature	Date (yyyy/mm/dd)

COLLINGWOOD PUBLIC UTILITIES
Form 1 Appendix
Description of New Water Mains

Wyldwood Creek
(CFCA Project No. 1535-4897)
Consulting Engineer: C.F. Crozier Associates Inc.
Rebecca Alexander, P.Eng.

Street	Drawing Number	Year Installed	Pipe Material	Pipe Size	Pipe Length (m)	Number of Aparts. Blds.	Number of Amenity Blds.	Sevices Installed	Main Valves Quantity	Main Valves Size	Fire Hydrants	Hydrant Valves	Fittings Quantity	Fittings Type	Main Breaks	Service Life* (years)	Replacement Cost (2024 $)	Year of Replacement	Comments
Street A	C101	2024	DI	200mm	321	6	1	7	8	200mm	4	4	1 - 7 -	T-Fitting Elbows (Aprx.)		80	see below	2104	Refer to CFCA project 1535-4897
Trafalgar Road	C101	2024	DI	200mm	27	0	0	0	2	200mm	0	0	0 - 4 -	T-Fitting Elbows (Aprx.)		80	see below	2104	
Cranberry Trail Works	C101	2024	DI	200mm	92	0	0	0	1	200mm	0	0	0 - 1 -	T-Fitting Elbows (Aprx.)		80	see below	2104	
																	$ 253,240.00		Total Replacement Cost (Refer to Securities April 2024)

* Note: Service life (years) is based on a range of average watermain replacement expectancy for Ductile Iron watermain, estimated from reports prepared by the AWWA.