

Development Clerk

From: Barden, George V <George.Barden@ontswcd.com>
Sent: Friday, December 28, 2018 9:22 AM
To: devclerk@townofcanandaigua.org; Chris Jensen (cjensen@townofcanandaigua.org)
Cc: Phillips, Linda
Subject: RE: 4803 County Rd. 16 (West Lake Road)

All,

This office is in receipt of a Site Plan prepared by McMahon Larue Associates, P.C. Dated December 2018 for a proposed addition to the existing residence at 4803 County Road 16 (West Lake Road) under Town of Canandaigua **Application No:** CPN-18-079 seeking comments. After reviewing the submitted documents with records in this office, I offer the following comment:

1. This office reviewed a Variance Plan for this project back on December 6, 2018 and submitted requested comments on that date. (See below). After reviewing the most recently received documents, (Site Plan), with those comments, I do not find any clarification to my comments of December 6, 2018. This office still has concerns regarding the possible overloading of the existing onsite wastewater treatment system as outlined in those comments below.

Should any of you have any questions regarding my comment, please feel free to contact this office at any time.

George V. Barden, CPESC
Canandaigua Lake Watershed Inspector

From: Barden, George V
Sent: Thursday, December 06, 2018 11:15 AM
To: devclerk@townofcanandaigua.org; Chris Jensen (cjensen@townofcanandaigua.org)
Cc: Phillips, Linda
Subject: 4803 County Rd. 16 (West Lake Road)

All,

This office is in receipt of a Variance Plan prepared by McMahon Larue Associates, P.C. and a set of architectural plans prepared by Architectural Innovations for a proposed addition to the existing residence at 4803 County Road 16 (West Lake Road) under Town of Canandaigua **Application**

No: CPN-18-079, and also under Ontario County Planning Referral No. **203-2018** seeking comments. After reviewing the submitted documents with records in this office, I offer the following comments:

1. The records in this office show the existing onsite wastewater treatment system was designed by a licensed professional, approved by this office and installed in 1996. The system was designed for a four (4)-bedroom residence with a maximum hydraulic loading of 130 GPD/bedroom = 520 GPD. This system consists of a 300-gallon trash tank, a 600 GPD Clearstream aerobic treatment unit, and a pump tank with an effluent pump that pumps the treated wastewater up to a sand fill leaching system that is greater than 100 feet from the shoreline of Canandaigua Lake. This system meets current New York State Department of Health (NYSDOH) requirements. The records also show that this system is under a maintenance contract with Zink Septic Solutions which expires on 4/8/2019.
2. The documents submitted for review (Variance Plan and architectural plans) do not clearly show the total number of bedrooms after the addition is completed. Should this addition result in greater than four (4)-bedrooms, the capacity of the onsite wastewater treatment system will need to be addressed.
3. The architectural plans show that the new shower on the second floor to be 34" X 48". This larger than normal shower stall quite often ends up being a multi-head surround-a-shower with 4 to 8 or more shower heads. These multi-head surround-a-showers (depending on usage) have the potential to hydraulically overload an onsite wastewater treatment system. This needs to be clarified since the residence is on a municipal public water supply.
4. Even though the existing onsite wastewater treatment system meets NYSDOH requirements for a four (4)-bedroom residence as of 1996, it needs to be noted that the Town of Canandaigua adopted an On-Site Wastewater Treatment Law in 2017. (Local Law #9) Under Section **202-6. Design Standards: C. (2)** "The minimum design of the system shall be based on 150 GPD per bedroom and/or bedroom equivalent for all onsite wastewater treatment systems located wholly or partially within 200 feet of Canandaigua Lake." Therefore, this existing system for a four (4)-bedroom residence should be based on 600 GPD.

I raise these issues regarding the existing onsite wastewater treatment system because my experience has shown that even the best of systems designed by a licensed professional and properly maintained by an authorized manufacture's representative for the aerobic treatment unit will fail pre-maturely if the system is hydraulically overload.

Should any of you have any questions regarding my comments, please feel free to [contact](#) this office at any time.

George V. Barden, CPESC
Canandaigua Lake Watershed Inspector

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