

CANANDAIGUA LAKE WATERSHED COMMISSION

- City of Canandaigua
- Village of Rushville
- Village of Palmyra
- Village of Newark
- Town of Gorham

January 10, 2016

Re: Residence at:

5265 Menteth Drive

Town of Canandaigua

Tax Map No. 140.11-1-25.000

Dear Doug & Sarah,

This office has been requested to review the above subject parcel with regards to a tear down / rebuild of the existing residence. The review regarding the development of this project site plan as it relates to the stormwater management are in separate comments provided in a joint letter signed by both Kevin Olvany and myself. However, in that letter we neglected to include our comment regarding the proposed drywell.

A note on the General Notes and Legend Sheet under Name of Receiving Waters, Drawing CA130 states: "The majority of the site will drain into drywells." The top of these dry wells are proposed at elevation 690.8 and 691.70. The elevation of Canandaigua Lake is maintained at approximately 688.0+- with the mean high at 689.40. The dry well detail on Drawing CA500 shows the dry wells to be 8 feet 5 inches deep. That places the bottom of the drywell at approximately 679.50+-. Given this, in this area where the soils are basically fractured shale, the majority of the depth of the dry wells are going to be in lake water, with the possibility of maybe 2 feet of freeboard available at the top of the dry well----(wet well) for any possible leaching out.

The remainder of my comments are regarding the existing onsite wastewater treatment system and its proposed modifications.

The existing system consists of an aerobic treatment unit, a pump tank with pump and high-level malfunction alarm, a single distribution box and four (4)-leach lines 40 feet long for a total of 160 lineal feet of leach lines placed in a raised fill leaching system. This system was designed for a maximum hydraulic loading for a four (4)-bedroom residence. After reviewing this proposal as it relates to this system, I have the following comments:

1. The system was inspected by this office at the time of property / deed transfer on September 18, 2012. In the report, dated September 20, 2012 for that inspection, the need / requirement for a service contract on the aerobic treatment unit with the unit manufacturer's representative, and the need for a copy of the service contract and results of semi-annual inspections by that authorized manufacturer's representative that are to submitted to this office was stated. To date, this office has not received either. Therefore, this office is requesting that these items be provided prior to any approval of this proposal.

2. Since it appears that this proposal is to utilize this existing system, this office requires architectural floor plans to verify the type of rooms, and the total number of bedrooms.
3. The plans indicate that the existing aerobic treatment unit, and pump tank with pump are to be relocated. The authorized manufacturer's representative for the aerobic treatment unit must be contacted for this work to coordinate the proper installation for proper operation.
4. On both Drawing CA100 and Drawing CA130, the wastewater pump tank is incorrectly referred to as a septic holding tank. This is not a holding tank, but a pump tank with a pump to pump the treated wastewater from the aerobic treatment unit to the distribution box. Also, there is nothing septic about this system. This is an aeration system.

Should you or any other interested party have any questions regarding these comments, please feel free to contact this office at any time.

Sincerely,



George V. Barden, CPESC
Canandaigua Lake Watershed Inspector