

**Connecticut Water Company**  
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February 8, 2016

Mr. Gary Bousquet, Chairman  
 Planning and Zoning Commission  
 Town Hall  
 54 East Main Street  
 Clinton, CT 06413

**RECEIVED**

**FEB 25 2016**

CLINTON  
 I.W.C.

16-001R

Re: The Village at Mill Pond, 11 Killingworth Turnpike

Dear Mr. Bousquet:

The Connecticut Water Company (CWC) has received notification for the above proposed project. The subject property is located adjacent to our Clinton Well and partially located within the aquifer protection area of this well, as delineated by our Department of Energy and Environmental Protection Level A approved aquifer protection map. We are therefore concerned with any activities located within the aquifer protection area that could impact the water quality and quantity of this important public water supply source.

We have reviewed the site plans dated 1/22/16 prepared by LB Companies. In general, the uses proposed for this site (retail, restaurant, hotel) are acceptable land use activities within the aquifer protection area. Other uses such as medical office or hair salon would be of a concern due to the type of wastewater discharges associated with these uses and we recommend these types of uses not be allowed.

We are concerned with the amount of impervious surface proposed on this site. The overall cumulative effect of increasing impervious surface areas within the watershed area can directly affect the recharge capability of the aquifer and affect water quality and stream flow characteristics through increased stormwater runoff and decreased baseflow.

To minimize the loss of aquifer recharge and potential water quality concerns associated with stormwater runoff (metals, oil), we recommend impervious surfaces be minimized, pervious pavers be used where appropriate (pedestrian walkways) and stormwater runoff be managed through overland flow (grass swales) to maximize recharge to the aquifer. To the extent possible, rain gardens and/or drywells should be used to capture roof runoff for discharge into the groundwater. These issues need to be addressed during the design stages of the project.

We would be opposed to the use of a sub-surface infiltration system within the Level A aquifer area to manage stormwater on this site. While we tend to support efforts that minimize

losses in aquifer recharge, we would be very concerned with the quality of the stormwater runoff (metals, oil) that would be directly discharged in the aquifer.

The site plan shows the site will be served by an advanced wastewater treatment facility and leaching field. Without detailed information on this system, it is difficult for us to determine potential impacts to groundwater quality. We would appreciate receiving detailed information on this system for our review and comments.

The site plans show a stormwater drainage pipe discharge directly adjacent the wetland area of the Indian River. Section 19-13-B32(i) of the Regulations of State Agencies requires stormwater pipes to terminate at least 100' from a wetland area that is located within an aquifer area. The location of the stormwater pipe will need to be redesigned to comply with this regulation. A stormwater treatment system, such as a basin with a grass swale for discharge, should be provided at the outlet of the stormwater pipe.

Due to potential effects to groundwater quality, we recommend the use of pesticides/fertilizers to maintain landscaped areas be minimized. The use of sodium chloride as a deicing agent should be prohibited and the use of any deicing agent be minimized. We also recommend a schedule for the yearly inspection and maintenance of catch basins and other stormwater structures be noted on the site plans and emergency spill control equipment be maintained on-site during construction activities.

Source protection is a vital concern of Connecticut Water and we appreciate the opportunity to comment on proposals that may affect our sources of supply.

Sincerely,



Cindy F. Gaudino  
Manager Source Protection and  
Real Estate

Cc: R. Ross  
T. Guerra, Chr. Aquifer Protection Agency