

July 22, 2016

Peter Newton

Bristol Engineering Advisors, Inc.

P.O. Box 1536

Mattapoisett, MA 02739

Re: Water Impact Report
Villages at Sudbury Station Development

Dear Mr. Newton,

I have reviewed the Water Impact Report submitted by Bristol Engineering Advisors, Inc. for the Villages at Sudbury Station. I have the following comment on the report:

- Because the irrigation wells will be drawing water from the same watershed as the Districts wells, the water irrigation system should include moisture sensors as this will help to insure overwatering does not occur. Drip irrigation should also be utilized to the maximum extent possible
- The District would like to be provided with copies of all approved low water use appliances and fixtures to be installed at this development. EPA Water Sense Labeled Fixtures should be installed. Use of high efficiency spray nozzles and dishwashers and horizontal axis washing machines will also lower water use. Automatic flush toilets should not be utilized as they tend to cause multiple flushed per use.
- In 2015 the Sudbury Water District came within 0.18 MGD of its Massachusetts Water Management Act permitted allowable withdrawal. Bristol Engineering has indicated potentially using 15 to 20% of the remaining District's WMA permit allotment. The District would like to see this estimated usage reduced to the maximum extent possible

- The District is not sure the following statement included in the report on page 7 is valid: *“Given that this project is proposing on-site treatment and disposal, it is likely that much of the projected water demand will be offset by the on-site groundwater discharge of the treated effluent (minus some consumptive losses). Therefore, the net effect of the Project on the District’s long-term ability to meet its water supply obligations may at worst be minimal, and **potentially a net positive.**”* All water users in the District’s delivery area return their wastewater locally to the ground. There is no sewer system in Sudbury, therefore the same credit is assumed by all users of water in Sudbury. The District does not agree that the net effect of the Project on the District’s long-term ability to meet its water supply obligation will be a net positive.
- The District will be reviewing and approving the location of all backflow preventers, meters and curb stops for each service before approving the application for service.

Please respond to these comments at your earliest convenience. If you have any further questions or concerns regarding this matter kindly contact me at (978) 443-6602.

Sincerely,



Rebecca McEnroe, P.E.
Superintendent

Cc:
William Henchy, Villages at Sudbury Station
Glen Garber, Interim Director of Planning, Town of Sudbury