



November 30, 2022

Project Number 16585

Town of Plainfield Planning Board
304 Main Street
Plainfield, Massachusetts 01070

Re: BTE Inc. Special Permit for Commercial Marijuana Production
129 Grant Street

Dear Members of the Board,

Verdantas LLC (Verdantas; formerly Geolnsight, Inc.) has prepared this letter on behalf of our client, Peppermint Park Camping Resort, who is an abutter to the above referenced site. Peppermint Park Camping Resort has significant concerns relative to the potential impact the proposed development will have on their public water supply wells including potential reductions in well yield caused by groundwater withdrawal for irrigation and potential contamination of water quality caused by herbicide and pesticide use. The following is a summary of these concerns, a list of information requested from the applicant for our review, and a description of possible studies that may be needed to evaluate the potential for impacts.

Peppermint Park Camping Resort operates four wells which are permitted through MassDEP as public water supplies for use by their customers. New water supplies regulated by MassDEP go through a stringent permitting process that is designed to evaluate potential impacts to other users. However, the proposed withdrawal as an irrigation well for the special permit may not be regulated by MassDEP and there is no mechanism to evaluate its potential impacts to existing users.

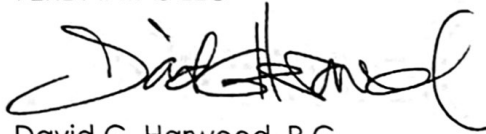
Peppermint Park requests the following information for us to evaluate whether the proposed development will impact their water supply wells:

- A well is shown on the plans included in the special permit application. Is this well existing or proposed? If the well exists please provide the well drilling log, which should include the diameter, depth, length of casing and estimated yield. If a pumping test was conducted, please provide the data (pumping rate and depth to water in the well over time). If the well shown on the project application is proposed, the well should be installed before the application is granted and installation details provided along with a pumping test plan and pumping test results verifying that the Peppermint Park wells will not be adversely impacted.
- An irrigation plan that details the volume of water to be withdrawn from the well including instantaneous pumping rate, daily volume, and monthly volume.

- A pest management plan that details the herbicides and pesticides to be utilized.
- Once these materials are received, additional studies may be requested including a hydrogeological investigation to evaluate groundwater flow directions, groundwater recharge and discharge budgets and/or pumping tests. Based upon herbicides and pesticides considered for use, a long-term water quality monitoring plan may be requested to verify that Peppermint Park's water quality will not be adversely impacted.

Thank you for the opportunity to provide these comments.

Sincerely,
VERDANTAS LLC



David G. Harwood, P.G.
Senior Hydrogeologist
(978) 506-5064



David A. Maclean, P.G., L.S.P.
Director of Water Supply Services
(603) 657-2021

cc: Kevin D. Parsons, Esq.

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