

February 25, 2020

25485

Mr. Steve Calichman, Environmental Health Specialist  
Town of Wellesley Health Department  
90 Washington Street, 2<sup>nd</sup> Floor  
Wellesley, MA 02481

RE: 194 & 196 Pond Road, Wellesley, MA: New Construction Sewage Disposal System.

Dear Mr. Calichman,

Below are our **responses** to your *comments* received in your review letter dated January 29, 2020 with regards to the septic system designs for #194 & #196 Pond Road in Wellesley, Massachusetts.

*These are the Wellesley Board of Health comments on the review of the revised plans that were dated January 10, 2020. Based upon a telephone call I had with Mr. Losanno you have scheduled additional soil testing that is required for the Department to consider approval of the plans. That soil testing will be performed and witnessed later today. Therefor, some of the comments may be moot, but still should be noted as important considerations raised by the Departments review.*

**Additional soil testing was conducted by DGT Associates on January 29, 2020 and witnessed by the Town of Wellesley BOH Environmental Health Specialist, Mr. Steve Calichman. All the testing conducted confirmed the assumptions made for our design shown on the Board of Health Plans dated January 10, 2020. The results of the additional soil testing are included on the Sewage Disposal System Plan latest revision dated February 25, 2020.**

194 Pond Road

1. *How is the irrigation well being decommissioned*  
**The irrigation well will need to be decommissioned by a licensed contractor that will need to coordinate their work with the owner of #200 Pond Road and the Wellesley Board of Health. General Note #15 has been added to the plan to clarify this.**
2. *One test pit and an additional percolation test is required in the primary leaching field area.*  
**As mentioned above, additional testing was conducted on January 29, 2020 within the primary soil absorption field (aka leaching field, leaching bed). The results of the testing confirmed the original assumptions that were made while designing the system, and therefore no modifications to the soil absorption system were required. The results of the additional soil testing are included on the revised plans noted above.**
3. *Test pit 19-07 has a very deep A, B, and BC Layer that will require an excavation of about six feet to reach the C layer of sand material. There should be a very clear note on the plan denoting this.*  
**General Note #14 on sheet BOH-1 has been added to the plan to better describe the information mentioned above. A Limit of Excavation (LOE) is drawn on the system profile showing the depth to the material to be removed.**
4. *Please add the beginning invert elevations to the leaching lines on the plan.*  
**This information was listed in the schedule of Elevations of BOH-1, however for clarity, this information has been added to the plan view as well as the system profile on sheet BOH-1 of the revised plans noted above.**

196 Pond Road

1. *At least two test pits and one percolation test is required in both the primary and expansion areas of the proposed leaching system.*

**As mentioned above, additional testing was conducted on January 29, 2020 within the primary and reserve soil absorption fields (aka leaching field, leaching bed). The results of the testing confirmed the original assumptions that were made while designing the system, and therefore no modifications to the soil absorption system were required. The results of the additional soil testing are included on the revised plans noted above.**

2. *Why are the leaching field header lines and D-box so far from the beginning of the system? Please check if the D-box can be designed much closer to the beginning of the system.*

**The distribution box has been positioned closer to the beginning of the leach bed.**

3. *We need some clarification on the existing underground irrigation pump chamber; will it be servicing 196 or 200 Pond Road? If it services 200 Pond Road will there be easements on the property?*

**An easement will be created to allow for the existing underground irrigation pump chamber for #200 Pond Road to remain in use on #196 Pond Road. Exact easement location and legal terms are to be determined between the owners of each Parcel. General Note #14 on sheet BOH-1 has been added to the revised site stating the above wording.**

4. *Please add the beginning invert elevations to the leaching lines on the plan.*

**This information was listed in the schedule of Elevations of BOH-1, however for clarity, this information has been added to the plan view as well as the system profile on sheet BOH-1 of the revised plans noted above.**

**Additionally, DGT contacted MassDEP with regards to the required separation between primary and reserve leaching beds. MassDEP informed DGT that a ten foot (10') separation between the primary and reserve leaching beds IS REQUIRED. Therefore, the leaching field layouts were modified as shown on the revised plans. These modifications are reflected in the plans submitted with this letter, latest revision dated February 25, 2020.**

**Note: The soil testing conducted on January 29, 2020 will be sufficient for the new location of the leaching beds. Two (2) deep holes and one (1) percolation test was conducted within the footprint of both the design primary and reserve leaching areas for both #194 & #196 Pond Road.**

Should you have any questions or concerns, do not hesitate to contact me.

Sincerely,  
DGT Associates



Joseph A. Losanno, EIT  
Project Engineer

Approved:



Bert E. Corey, P.E.  
Engineering Group Manager

Enclosures

Cc: Town of Wellesley Department of Public Works  
Cc: Town of Wellesley Planning Board  
Cc: Boston Real Estate Capital