

TO: Carlisle Zoning Board of Appeals  
From: Steve Davis

June 9, 2015  
Ref: 100 Long Ridge 40B

At last night's June 8 meeting, the board agreed to reach out to two of the hydrologist experts to seek "defense" criteria so that the board could make a decision as to approving or denying the applicant's waiver request which if allowed, would authorize applicant's use of the "state standard of 110 GPD."

I would like to respectfully suggest that you also ask the hydrologists to further opine as to a defense to the "state standard of 110 GPD". ***If the 110 std. is appealed to HAC, it is quite possible that the judge will summarily rule for 110, given that it is, in fact, the state standard. However, Carlisle likely does not fall into the state-wide criteria assessed in order to set the state 110 standard.***

Our hydrologists have noted that they have data that represents classic characteristics of the land adjacent or near to the proposed project. Based on previously submitted data submitted to the ZBA there is evidence that the adjacent land proves to be as follows.

With respect to likely median data for the state-wide determination of the "110 std", the following data for Carlisle is likely far more concerning than the state's data for median readings state-wide:

1. High water table
2. Fairly well draining overburden
3. Overburden depth to bedrock being notably less than what I suggest is the state-wide median
4. Near vertical bedrock fractures

Obviously, if our experts can not determine the data used by the state for each of the four points above, then our defense would be circumstantial. However, it would still be a valid defense, particularly if our experts find data for other parts of the state (not a terribly difficult undertaking) that show much more favorable hydrology than that of Carlisle.

Thank you, **Steve Davis** 206 Prospect St. 978 369  
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Cc: BOH, TAG (D. Freedman), Dan Hill, Esq.( via T. Ash), Carlisle  
Town Counsel

*This document faxed to boards, also an email copy to ZBA for distribution to its board members*