

Ref: 8978

May 3, 2021

Ms. Christine Stickney  
Interim Planner  
Town of Hingham  
210 Central Street  
Hingham, MA 02043

Re: Supplemental Traffic Engineering Peer Review  
Proposed Definitive Subdivision – 101 Gardner Street  
Hingham, Massachusetts

Dear Christine:

Vanasse & Associates, Inc. (VAI) has completed a review of the April 30, 2021 revised Definitive Subdivision Plan for 101 Gardner Street in Hingham, Massachusetts, and the accompanying response to comments narrative prepared by Grady Consulting, L.L.C.<sup>1</sup> This information was prepared in response to the comments that were raised in the April 27, 2021 letter prepared by Amory Engineers, P.C. and the April 30, 2021 letter prepared by VAI.

Based on our review of the revised Definitive Subdivision Plan, we are satisfied that the Applicant has addressed the comments that were raised as a part our review. That being said, the following follow-up comments should be reviewed and incorporated into the final Definitive Subdivision Plan:

1. The fire truck turning analysis indicates that portions of the vehicle will off-track over or beyond the curblineline. It is acceptable for the aerial portion of the vehicle to off-track as long as the Applicant ensures that no objects are placed or are present in these areas (including along the south side of Garner Street) that would inhibit the swing aerial of the aerial portion of the vehicle. The bumper of the vehicle should not off-track over or beyond the curblineline.
2. The centerline profile of the subdivision roadway continues to indicate an abrupt 5% slope approaching Gardner Street. We agree with the intent of the Applicant's engineer to create a gutter line along Gardner Street for stormwater conveyance; however, this can be accomplished with other methods and using a less abrupt transition. We would suggest revising the design to reduce the centerline grade approaching Gardner Street to no more than 2%.

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<sup>1</sup>*Definitive Subdivision Plan*, #101 Gardner Street, Hingham, MA; Grady Consulting, L.L.C.; February 26, 2021, last revised April 30, 2021.

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If you should have any questions regarding our supplemental review, please feel free to contact me.

Sincerely,

VANASSE & ASSOCIATES, INC.

*Jeffrey S. Dirk*

Jeffrey S. Dirk, P.E., PTOE, FITE  
Managing Partner

*Professional Engineer in CT, MA, ME, NH, RI and VA*

JSD/jsd

