



NORFOLK FIRE DEPARTMENT

117 MAIN STREET
NORFOLK, MASSACHUSETTS 02056
508-528-3207

**DEPUTY FIRE CHIEF
PETER J. PETRUCHIK**

To: Mrs. Amy Brady
From: Deputy Fire Chief Peter Petruchik
Date: August 5, 2019
Re.: Lakeland Hills Townhouse Community, 144 Seekonk Street, Norfolk, MA

Thank you for providing the information to review relative to a proposed subdivision located on Seekonk Street for Lakeland Hills, LLC. Former Norfolk Fire Chief Coleman Bushnell has on multiple occasions reviewed site plans and has provided comprehensive and specific comments regarding this project. I would encourage the board to include Chief Bushnell's comments in the decision making as the application process moves forward. His memos are dated May 17, 2018 and May 21, 2019.

Acting in my current capacity as the Interim Norfolk Fire Chief, I have reviewed the site plans along with the letter from Andrews Survey & Engineering, Inc. to the Norfolk Zoning Board of Appeals dated July 10, 2019. The following comments are based on the numbering in the document.

3. Traffic Circle: Need to ensure that the fire department apparatus can navigate easily around the traffic circle with regard to turning radius. Norfolk aerial ladder truck has a single rear axle with an overall length of 38'. Mutual aid dual axle aerial devices are upwards of 45' in overall length.

8. Delivery of adequate water and pressure: Comments are quoted from Chief Bushnell's memo dated May 17, 2018. "Concerning fire suppression the Fire Department needs the hydraulic analysis for the anticipated fire hydrant system. This analysis will document the given static and residual pressure. Given the gradients of the development, the Fire Department questions the deliverability of fire flows and the engineering will lend credence to the system's ability. The Fire Department would reserve the right to conduct a flow test with the fire apparatus to verify fire flows."

9. Short driveway without turnaround: This short driveway without a turnaround would be acceptable to the fire department as long as the dead end roadway does not exceed 150' in length. *NFPA Code 1, section 18.2.3.4.4 Dead Ends.* states "Dead-end fire department roads in excess of 150' in length shall be provided with approved provisions for the fire apparatus to turn around."

Additional comments based on reviewing the site plans are as follows:

Fire department has concerns relative to the single access road into the subdivision and is based on topography, length of access into the subdivision, and the woodland setting. *NFPA Code 1, section 18.2.3.3 Multiple Access Roads.* states "More than one fire department access road shall be provided when it is determined by the AHJ that access by a single road could be impaired by vehicle congestion, condition of terrain, climatic conditions, or other factors that could limit access."

Please let me know if there are any questions. Thank you again.