



NORFOLK FIRE DEPARTMENT

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MEMO

TO: Ms. Betsy Fijol, Planning Administrator

FROM: Cole Bushnell, Fire Chief

DATE: March 13, 2017

SUBJ: THE VILLAGE AT NORFOLK

Thank you for providing the information, which outlined the proposed construction for THE VILLAGE AT NORFOLK, VILLAGE AT NORFOLK, LLC, as the applicant. The following comments represent input from the Department relative to this proposed construction and would like to generate these comments for consideration regarding life and property safety:

COMMENTS BASED UPON SUBMITTED PLANS REPRESENTING PRELIMINARY CONDITIONS FIRE DEPARTMENT REQUESTS REVIEW OF PLANS UPON REVISION

- a. SHEET 1 of 5, COVER SHEET - 527 CMR 1.00: MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE, National Fire Protection Association (NFPA), Standard 1, *Fire Code* – 2012 edition, Chapter 18.2.3.4.4 – the Fire Department Access Road (FDAR) extending from #23 to #32 exceeds 150', which is the maximum provided in terms of a dead end FDAR.
- b. SHEET 1 of 5, COVER SHEET - 527 CMR 1.00: MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE, National Fire Protection Association (NFPA), Standard 1, *Fire Code* – 2012 edition, Chapter 18.1.1.4 & 18.1.1.5 – the Department, given this configuration, will require a swept path analysis and turn simulation software be applied to ensure emergency vehicles, particularly Ladder 1, can adequate ingress and egress the site. Such swept path analysis shall bear the seal of a registered professional engineer
- c. SHEET 3 of 5, SITE PLAN - 527 CMR 1.00: MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE, National Fire Protection Association (NFPA), Standard 1, *Fire Code* – 2012 edition, Chapter 18.2.3.4.2 – the plans note the continuation of a gravel roadway from the site, at #32 to Boardman Street. Conversation with the representative from Outlook Engineering indicated the applicant's plan to use the gravel roadway as an FDAR. The Fire Department notes that such a plan requires the surface of the FDAR be designed to support the imposed loads of fire apparatus. Finally the maintenance of the FDAR will be required to be documented for the Fire Department. *Please note the Fire Department does not endorse gravel road surface as a means for traversing fire apparatus.*

- d. **General Comment - 527 CMR 1.00: MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE, National Fire Protection Association (NFPA), Standard 1, *Fire Code* – 2012 edition, Chapter 18.2.3.5.1** – the site will be required by the Fire Department to provide FIRE LANE NO PARKING signage/pavement marking to ensure for emergency vehicle access
- e. **General Comment - SHEET 1 of 5, COVER SHEET - 527 CMR 1.00: MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE, National Fire Protection Association (NFPA), Standard 1, *Fire Code* – 2012 edition, Chapter 18.2.3.4.1** – where the property location, prohibits the installation of an FDAR, the Fire Department shall require additional fire protection features, i.e. automatic fire sprinkler protection, i.e. from units #23 to #32.
- f. **General Comment - 527 CMR 1.00: MASSACHUSETTS COMPREHENSIVE FIRE SAFETY CODE, National Fire Protection Association (NFPA), Standard 1, *Fire Code* – 2012 edition, Chapter 18.1.3.2** – fire hydrant placement to be approved by the Fire Department.
- g. Ensure septic system rating will not be detrimental to fire apparatus traversing the site.
- h. Should blasting be required for this area, the developer/contractor will be required to file all required Permitting with the Fire Department. Also prior to blasting, the developer/contractor shall provide sufficient notification for scheduling on-site coverage to monitor the blasting. All costs associated with the coverage provided by the Fire Department shall be the responsibility of the developer/contractor. Checks for blasting details shall be issued at the end of the day's blasting.

Should the developer/contractor have any questions regarding the input from the Fire Department or if you should need clarification of these comments, please do not hesitate contacting the Office at your convenience.

(*) Copy of this document has been emailed to Outback Engineering

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