



## HINGHAM FIRE DEPARTMENT FIRE PREVENTION

210 Central Street  
Hingham, MA 02043

Lieutenant Christopher DiNapoli  
Fire Marshal



April 17, 2018

Members of the Zoning Board,

The Hingham Fire Dept. request the following conditions be put on the proposed development known as River Stone/Viking Lane.

- 1) Fire Dept. access into and out of the property must meet all parts of 527 CMR 1.00 2015 Ed.
  - a) Fire Dept. access roads must extend to within 50 feet of an exterior access door (18.2.3.2.1)
  - b) The gradient on any fire dept. access (including driveways) must not exceed 10% (18.2.3.4.6.1)
  - c) Fire Dept. access roads minimum width must be maintained at all times with no obstructions including parked vehicles. (18.2.4.1.1)
  - d) The fire dept. access must be maintained at all times. (18.2.4.1.2)
  - e) Roadways shall have and maintain a vertical clearance of 13.6 feet (18.2.3.4.1.2.1)
- 2) Town of Hingham Hydrant Bylaw Article 32 Section 9: For residential properties a hydrant must be located within 800 feet of the new structure. This is measured over approved drivable service not as the crow flies. Submitted plans appear to satisfy this requirement but more detail in this area are required to ensure compliance.
- 3) All roadway plans must be stamped by an engineer showing that apparatus can make all turns and turnarounds. Apparatus must stay on the paved roadways when turning. Driveways may not be used to ensure turning ability.
- 4) The Fire Dept. requires the following for the roundabout located by Autumn Circle, it must be constructed to ensure 30 feet of paved driving service around the entire roundabout. Roundabout must also have either sloped granite curbing or be flat with a cobblestone center that can be driven over in an emergency. This is the only way to ensure proper flow of the apparatus through this design.
- 5) The plan shows that the septic system is still extending under the roadway. The fire dept. requires stamped engineered drawings and statements showing and stating that the roadway meets H2O loading capabilities for our largest apparatus (Tower Ladder) which is approximately 82,000 pounds.
- 6) Some units are showing just two (2) feet between the structure and the retaining wall. The fire dept. would require at a minimum no less than 10 feet between a structure and any retaining wall. We require adequate space to be able to set up a ladder in case of firefighting or rescue from an upper floor.

All these requirements represent appropriate fire and life safety needs for this proposed development. Not only for the residents of the new project but also neighboring properties. I appreciate your consideration in this matter.

Respectfully,

Lieutenant Chris DiNapoli  
Fire Marshal, Town of Hingham