



Walpole Fire Department

Emergency Services

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To: Board of Appeals
From: Paul C. Barry, Deputy Fire Chief
Date: August 14, 2020
RE: Diamond Hill Estates, Dupee Street
Green International Supplemental Traffic Information

The following comments are provided by the Walpole Fire Department (WFD) regarding the Dupee Street 40B Project and the Green International Supplemental Traffic Information report.

1. The document dated June 16, 2020, submitted by William J. Scully, P.E. of Green International Affiliates, Inc., shows a hammerhead turnaround not located at the end of the proposed project. Whenever possible, WFD prefers the safer option of avoiding backing up fire apparatus and would rather see a safer rounded turnaround incorporated at the end of the street/development.
2. The required, per 527 CMR 1, stamped and signed turning radius document shows fire apparatus having to cross the centerline of the heavily traveled Route 27. This is a situation that should be avoided and prohibited in 527 CMR 1. 18.2.3.4.8 Travel in the Opposing Lane states, the use of the opposite travel lane is prohibited in the design of all new fire apparatus access roads.
3. The Green International document states one utility pole will need to be relocated to improve the Dupee Street intersection with High Plain Street. Relocating telephone poles can be a lengthy process. If the project is approved, we request the Dupee Street and High Plain Street intersection improvement be required to be completed prior to site work for the residences commences.
4. Our previous concerns and statements remain consistent:
 - a. 527 CMR 1 states the minimal unobstructed access width shall be 20 feet; the proposed roadway does not allow for curbside parking.
 - i. 18.2.3.4.1.1 Fire Department access roads shall have an unobstructed width of not less than 20 feet.

- ii. 18.2.3.5.1 Where required by the AHJ, approved signs, approved roadway surface markings, or other approved notices shall be provided and maintained to identify fire department access roads or to prohibit the obstruction thereof or both.
- b. With no shown designated visitor parking, we question if visitor parking should be required to be included on the site plan.
- c. We still have concerns with the project name Diamond Hill Estate; the Town already has a Diamond Street and a Diamond Pond Terrace.
- d. We support and prefer the water main to be looped.
- e. We prefer the opportunity to work with the developer on final hydrant locations.
- f. Tree plantings must consider growth over the roadway. The sycamore maple has a mature growth width of 35-60 feet, and the pin oak has a mature growth width of 40-50 feet, depending on the planting placement, these have the potential to damage and impede fire apparatus.

If there are any questions or concerns, please do hesitate to contact me.