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Request for Comments: SP2020-02.1/SPA, 100 Westboro Road, Pulte Homes of NE, LLC

Michael Killeen <killeenm@grafton-ma.gov>

Thu, Jun 30, 2022 at 2:32 PM

To: planningdept@grafton-ma.gov

Good afternoon,

The following are the minimum requirements requested by the Fire Department for new developments:

- **Street numbers:** shall be visible from the street, day and night
- **Visual alarms:** alarm status shall be visible from the street
- Fire Department shall have access to the perimeter, for firefighting purposes
- **Roadways/Driveways/Parking Lots**
 - o Entrance shall be void of all obstacles to a minimum of 30 feet (i.e. light poles, trees, shrubs, stone walls, gates and posts, mailboxes, etc.)
 - o Should be at least 24 feet wide, preferably 28 feet wide
 - o Parking lots shall have turning radii that will accommodate fire apparatus
 - o Grade changes cannot change more than 5% in any 75 foot length, with minimal percentage change at changes of direction points (intersections)
 - o Street signs must be installed when roadway is cut
- **Fire Hydrants**
 - o Hydrants shall be provided every five hundred running feet (500') or portion thereof on one (1) side of each street, as follows, or as specified by the Fire Department. a) A hydrant shall in all cases be installed at the terminal end of each water main. b) A hydrant shall be located on each new main within five hundred feet (500') of the nearest supply main or, if no hydrants exist, within two hundred feet (200') of the connecting point and, where practical, at all road intersections. 4.7.7.2 Each hydrant shall be served directly from the water main by a lateral connection with not less than a six inch (6") inside diameter. 4.7.7.3 Hydrant type, size and make, direction and pitch of threads shall be approved by the Fire Department. 4.7.7.4 Hydrants shall be located no more than ten feet (10') from the edge of pavement. 4.7.7.5 Hydrant locations shall be approved by the Fire Department.
 - o Should be a maximum of 500 feet apart
 - o Should be a maximum of 10 feet off the curb
 - o One should be located near the Fire Department Connection
- **Multiple entrances, multiple buildings with one entrance, and cross roads**
 - o Shall indicate the building numbers and numbering sequence
- Electrical, radio, and/or mechanical equipment shall not interfere with local and municipal radio equipment

The above are basic minimum requirements that shall apply to all developments. They should assist you with the preliminary review of proposed developments and provide the developer with a foundation to work with.

Please ensure that there is adequate visitor parking so that access to buildings during an emergency with Fire Department Apparatus are able to perform essential functions.

Regarding fire apparatus turning radius:

Cramp Angle: 45°

Inside Turning Radius: 21 ft. 4 in.

Curb to Curb: 38 ft. 2 in.

Wall to Wall 41 ft. 10 in.

Thank you.

Respectfully,

Captain Michael Killeen
Fire Prevention Officer

6/30/22, 2:37 PM

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Grafton Fire Department

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