

Town of Lynnfield

CHIEF
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FIRE DEPARTMENT

Planning Board
55 Summer Street
Lynnfield MA 01940

December 16, 2021

Re: 109 Lowell Street (Vallis Way)

We have reviewed your plans for the subdivision 109 Lowell Street (Vallis Way). As always the following are our concerns:

- Access/Egress, prefer two points
- Turning radius at the cul-de-sac, fire apparatus
- No plantings or green space in center of Cul-de-sac
- Hydrants
- Overall length of dead end streets

Specifically to this set of plans we see that this street would appear to be about 1000 feet long. Therefore we would need two hydrants on this roadway. The first hydrant should be located between lots 5 & 4 and the second one looks good in the position you have placed in the cul-de-sac and the water down the street should be looped so that we have water coming from more than one direction to avoid a dead end main.

The length of the street is concerning because of water and access. For example should we have a significant fire emergency at the end of this roadway and we lose water from the new hydrants on that new roadway it would create challenges/delays to getting water on that fire (dead end main).

We would need to run a four inch hose supply line from Lowell St all down Vallis Way. Our engines only carry one thousand feet of four inch hose. So when you lay out more than seven hundred feet of hose you need to place a fire pumper at that point to relay pump. On that street, that pump and hose would restrict access to future arriving emergency apparatus.

In regards to access and egress in the construction of the road itself, there should be no plantings in the cul-de-sac that would hamper the access of our largest vehicle, the ladder truck. Also the entrance to the roadway shall be wide enough to accommodate that truck.

Any further questions or comments please reach out to me.

Thanks
James S. Alexander
Captain/Fire Prevention

