



1412 112TH AVE. NE
SUITE #200
BELLEVUE, WA 98004

February 9, 2021

To: Mercer Island Fire Marshall's Office
Project: MN#232 – 9046 SE 61st St.
Permit #: 2009-231

To whom it may concern,

Due to unique conditions at our project location at 9046 SE 61st St., we are proposing alternate fire protection for the future single-family residence. We are confident this will provide occupants of the home with satisfactory avoidance and protection from a home fire event.

Project Type:

- New single-family residence

Fire Flow:

- Hydrant ID# G5-11 with a PSI of 76 provides an available 500 GPM @ 20 psi, which is short of the 825 GPM @ 20 psi required with a sprinkler reduction.

Hydrants:

- (1) hydrant is available at a spacing of 215, and distance from all building points to hydrant is 380', triggering sprinkler requirement.

Fire Access Roads:

- Distance from all points to access road is 147'; width is 20', and grade is below 10'. No code alternate required for access road.

Fire Requirement:

- 13R Fire Sprinkler System as a base; Code Alternate Proposal required.

Proposed Alternative Fire Protections:

- Upgrade to NFPA 13R – Plus Sprinkler System
- Installation of a Household Fire Alarm System with a bell per NFPA 72, Chapter 29
- All smoke detectors will be connected to the fire alarm system.

Please feel free to contact me via phone or email to discuss any comments or concerns.

Regards,
Dustin Fehlman

MN Custom Homes

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