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April 19, 2021

Subject: Fire code alternate request

7216 93rd Ave SE, lot 1

Permit # 2104-090

To: Jeromy Hicks, Fire Marshal

City of Mercer Island

206-275-7966

3030 78th Ave SE

Mercer Island, WA 98040

Mr. Hicks- Thank you for your review of our permit submittal. This letter will serve as a request to provide alternate means to meet the fire code for this project. There is currently a single family house and detached garage on the site and both will be demolished. A new 5565 s.f. (5445 s.f. fire area) single family house with attached 880 s.f. garage is proposed for the site. A new driveway, revised grading and associated utilities are also proposed for the project. As identified in the Fire Review, the deficiencies for this project and the proposed code alternates are in the chart below:

DEFICIENCY	PROPOSED CODE ALTERNATE
Fire flow produced by Hydrant I5-13 is not sufficient (780gpm)	NFPA 13R Sprinkler
93 rd Ave SE road width less than 26'	NFPA 72 Monitored fire alarm system
Driveway grade exceeds 10%	Continuous 20' wide driveway with brushed concrete for traction where over 10% slope
No turn-around provided at 93 rd Ave SE	One hour fire rated gypsum throughout structure

We believe these proposed alternatives are equal or better than the code requirement.

If you need any additional information regarding these alternates or would like to discuss these responses further please feel free to contact me directly.

Sincerely,

Matt Glaser

Architect

McCullough Architects