



September 19, 2024

Mercer Island Fire Marshal's Office
3030 78th Ave SE
Mercer Island, WA 98040
(206) 275-7966

RE: Fire Code Alternative Request for 3804 E Mercer Way Permit # 2309-237

Attn: Jeromy Hicks

Pursuant to your review of Building Permit Application # 2309-237 for a proposed new home replacing the existing house at 3804 E Mercer Way, we are submitting this Fire Code Alternative Request for your review and approval.

The deficiencies noted in the Fire Plan Review [attached] were as follows:

- 1. Width of roadway is less than 26' (10.36')
- 2. Grade exceeds 10% (16%)
- 3. No Turn-around (possible hammerhead solution)

As alternatives to meet code, this Project proposes to provide [supply and install] all of the following throughout the residence:

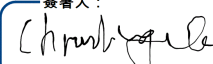
- a. An NFPA 13 R Fire Suppression Sprinkler System meeting both NFPA 13R and City of Mercer Island code standards. Water Service to the house is being upgraded to a 1.5" water meter and 2" water supply line.
- b. An NFPA 72 Chapter 29 Monitored Household Fire Alarm System meeting both NFPA 72 and City of Mercer Island code standards.
- c. A monitored Fire Suppression Sprinkler Water Flow Alarm.
- d. One-hour rated Gypsum Wall Board [5/8" Type X GWB minimum of one layer each side of studs] on all interior partitions.

We believe the proposed is equal to or better than the code requirement. Please let us know if you require any additional information.

Sincerely,

DocuSigned by:

 09BC052067D941E...
 Jill Kurfirst, PMP, LEED AP
 Owner's Representative
 Real Project Management Services LLC
 206.719.8988

簽署人:

 B161618F3EEF430...
 "Vicky" Chun Ling Ou
 Owner

Signed by:

 123B1B0A6BDB428...
 Mei Yang
 Architect

Attachments: Fire Plan Review