



# Warrenton Fire Department

P.O. Box 250 Warrenton, OR 97146-0250 503/861-2494 Fax 503/861-2351

## MEMORANDUM

**To:** Kevin Cronin, Community Development Director  
Bob Johnston, Building Official  
**Date:** March 05, 2019  
**From:** Tim Demers, Fire Chief  
**Re:** Gramson Kalmia extension Clear Lake subdivision pre-app

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Based on the information provided, the Fire Department has the following comments.

### ACCESS:

If the road width remains under 32 feet wide, one side of the street will be required to be posted no parking (by signs) and the curb painted red. Sign location will be approved prior by the Fire Department. It will become the Fire Lane and may not be encumbered in any way (ie speed bumps). Vertical clearance of 13 feet 6 inches must be maintained. The grade should not exceed 10% and approach and departure angles will have to be pre-approved. Since this is a "new" subdivision should it not comply with the newly approved 36 foot street standard?

The access shall bring all sections of the homes within 150 feet of the Fire Apparatus. Lots #11 and #12 may have issues with this based on how far they are set back from the cul-de-sac.

The cul-de-sac turn-around that has been provided appears to be adequate for the dead end street. The proposed cul-de-sac meets the Fire Departments needs as specified. The cul-de-sac must remain **unencumbered at all times and no parking at any time** signs be posted with the curb painted red.

### WATER SUPPLY:

Since this is a dead end street all of the homes will be required to be within 200 feet of a fire hydrant. The hydrant spacing shall not be over 400 feet between them. It appears that the single family units will require a 1000 gpm fire flow based on being less than 3,600 sqft and of ordinary construction. Homes exceeding 3,600 sqft shall only be allowed with proper Fire flows and/or other construction features such as residential sprinklers to be pre-approved by the Fire and Building Departments.

The Fire Flow requirement appears to be satisfied with the proposed Fire Hydrants. An engineer's statement and a fire flow test will be required at furthest point (likely the hydrant in the cul-de-sac) to prove adequate Fire flow. For Fire hydrants placed on the parking side of the street, a red (6 foot minimum) red curb will be provided as a no parking area.

The hydrants proposed shall be a Yellow, Mueller 2500 Centurion with 2 each, 2.5 inch, and one each 4.5 inch discharge ports. A 4.5 inch to 5 inch Storz connection will be provided by the developer for the hydrant. Final fire hydrant location shall be approved prior to installation by the Fire Department.

**ADDRESS:**

The address also must be located on the residence so it is visible from the Fire Department access.

**INFRASTRUCTURE:**

Fire hydrants, access roads and turn-arounds will be in place and tested prior to construction.