

5 March 2013

From: Sonia M. Barrantes and Jacob P. Staub

To: Portland Fire Department

Subj: PROPOSED FIRE PROTECTION OF ALL STRUCTURES

Ref: (1) City of Portland Technical Manual
(2) 2009 International Residential Code for One- and Two-Family Dwellings
(3) NFPA 13D Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings
(4) NFPA 10 Standard for Portable Fire Extinguishers

Encl: (1) Site Plan
(2) Proposed One-Family Dwelling Construction Documents
(3) Proposed One-Family Dwelling Sprinkler Plan
(4) Proposed Garage Construction Documents

1. Applicant information:

- a. Name
 - i. Sonia M. Barrantes
 - ii. Jacob P. Staub
- b. Telephone number
 - i. S.M. Barrantes – 207.331.7900
 - ii. J.P. Staub – 301.769.8395.

2. Architect information:

- a. Name – Karen Bala
- b. Telephone number – 917.776.3543.

3. Two structures are proposed. The proposed structures are a one-family dwelling and a detached garage.

4. According to reference 1, the proposed development is located outside the limits of Fire District 1. The proposed structures will have a public hydrant located approximately six hundred (600) feet away. Enclosure 1 provides an overall view of the public fire hydrant relative to the proposed structures.

5. Proposed use of structures:

- a. One-family dwelling
- b. Detached garage.

6. Square footage of structures:

- a. Proposed one-family dwelling has two floors each floor having a square footage of approximately 600 ft² for a total of 1200 ft². See enclosure 2 for plan views.
- b. Proposed garage has a ground floor with a total square footage of approximately 1200 ft² and an attic of approximately 600 ft². See enclosure 4 for plan views.

7. Elevations of the proposed one-family dwelling and garage are included in enclosures 2 and 3.

8. One driveway thirteen (13) feet in width will extend to within fifty (50) feet of exterior doors providing access to the interiors of the structures.

9. Site access will provide a minimum of nine (9) feet clearance height to accommodate ambulance access.

10. The proposed one-family dwelling fire protection includes:
 - a. Fire-resistant construction in accordance with reference 2, section R302.
 - b. Smoke alarms installed in accordance with reference 2, section R314.
 - c. Automatic fire sprinkler system developed and installed in accordance with reference 3. A proposed design of the sprinkler system is included as enclosure 3.

11. The proposed garage fire protection includes:
 - a. Fire-resistant construction in accordance with reference 2, section R302.
 - b. Floor surfacing in accordance with reference 2, section R309.
 - c. Installation of portable fire extinguisher(s) as delineated by reference 4.

S.M. BARRANTES
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