



# EXHIBIT N

## SANDY FIRE DISTRICT NO. 72

### Fire Prevention Division

#### E-mail Memorandum

To: [planning@ci.sandy.or.us](mailto:planning@ci.sandy.or.us)

From: Gary Boyles

Date: June 24, 2022

Re: The Riffle Food Cart Pod File No. 22-012

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This review is not intended to be a comprehensive analysis of all applicable code sections, nor shall this review nullify code requirements that are determined necessary during building permit review. Review and comments are based upon the current version of the Oregon Fire Code (OFC) as adopted by the Oregon Office of State Fire Marshal. The scope of this review is typically limited to fire apparatus access and water supply, although the applicant shall comply with all applicable OFC requirements. When buildings are completely protected with an approved automatic fire sprinkler system, the requirements for fire apparatus access and water supply may be modified as approved by the fire code official. References, unless otherwise specified, include provisions found in the Metro Code Committee's Fire Code Applications Guide, OFC Chapter 5 and Appendices B, C and D.

#### COMMENTS:

##### General

1. Construction documents for proposed fire apparatus access, location of fire lanes, access easements, security gates across fire apparatus access roads and construction documents and hydraulic calculations for fire hydrant systems shall be submitted to the Fire District for review and approval prior to construction. For reference of requirements, applicants may review the [Fire Code Application Guide](#).
2. Where fire apparatus access roads or a water supply for fire protection are required to be installed, such protection shall be installed and made serviceable prior to and during the time of construction except where approved alternative methods of protection are provided.
3. Buildings shall be provided with approved address identification. The address identification shall be legible and placed in a position that is visible from the street or road fronting the property, including monument signs.

4. A key lock box for building and/or gate access may be required. If required, the Fire District uses KNOX brand boxes. To order a KNOX box, padlock, or key switch that is keyed for the Sandy Fire District, please visit Sandy Fire's website (<https://www.knoxbox.com/Products>) for ordering information.
5. An emergency vehicle access and maintenance agreement may be needed as a condition of approval
6. For private fire service water mains and/or fire hydrant systems, please contact Sandy Fire District when performing a pressure test to verify system integrity, when flushing the system, and conducting a flow test.

### Fire Apparatus Access

**FIRE APPARATUS ACCESS ROAD** (as defined by the OFC). A road that provides fire apparatus access from a fire station to a facility, building or portion thereof. This is a general term inclusive of all other terms such as *fire lane*, public street, private street, parking lot lane and access roadway.

1. All private roads, bridges and driveways shall be subject to the Fire Code Application Guide [Fire Code Application Guide](#).
2. Fire apparatus access roads shall be within 150 feet of all portions of the exterior walls of the first story of any building as measured by an approved route around the exterior of the building. An approved turnaround that meets the Oregon Fire Code requirements will be required if the remaining distance to an approved intersecting roadway, as measured along the fire apparatus access road, is greater than 150 feet.
3. Dead end fire apparatus access roads in excess of 150 feet in length shall be provided with an approved turnaround that meets the Oregon Fire Code requirements.
4. Fire apparatus access roads shall have an unobstructed driving surface width of not less than 20 feet and an unobstructed vertical clearance of 13 feet 6 inches is to be maintained.
5. Facilities, buildings, or portions of buildings hereafter constructed shall be accessible to fire department apparatus by way of an approved fire apparatus access road with an asphalt, concrete, or other approved driving surface capable of supporting the imposed load of fire apparatus weighing up to 75,000 pounds (gross vehicle weight).
6. The inside turning radius and outside turning radius for fire apparatus access roads shall be not less than 28 feet and 48 feet respectively, measured from the same center point.
7. The installation of security gates or barricades across a fire apparatus access road shall comply with the following:
  - a. Gates serving commercial buildings shall be a minimum of 16 feet in width.
  - b. Gates or barricades shall be set back a minimum of 30 feet from the intersecting roadway.

- c. Gates shall be of the swinging or sliding type. Barricades using cables or similar methods may be approved.
  - d. Construction of gates or barricades shall be of materials that allows manual operation by one person.
  - e. Locking devices shall be approved.
8. Where fire apparatus roadways are not of sufficient width to accommodate parked vehicles and 20 feet of unobstructed driving surface, "NO PARKING-FIRE LANE" signs shall be placed on one or both sides of the roadway and in turnarounds as needed.

### Firefighting Water Supplies

1. The minimum available fire-flow and flow duration for commercial and industrial buildings shall be as specified in OFC Appendix B. In no case shall the resulting fire-flow be less than 1,500 gpm at 20 psi residual.
2. Fire flow testing may be required to determine available fire flow. Testing will be the responsibility of the applicant. Applicant to contact the City of Sandy Public Works for testing information and requirements and notify the Fire Marshal prior to fire flow testing.
3. For commercial and industrial buildings served by a municipal water system where a portion of the building is more than 400 feet from a fire hydrant on a fire apparatus access road (600 feet for buildings equipped throughout with an approved automatic sprinkler system), as measured in an approved route around the exterior of the building, **on-site fire hydrants and mains shall be provided.**
4. **An automatic fire sprinkler system may be required if the fire area of the Group A-2 occupancy (dining facility) has an occupant load of 100 or more.**
5. If applicable, fire department connections (FDC) are required to be remote and shall be located within 100 feet of a fire hydrant. All FDC's shall be permanently labeled with appropriate address in which it serves and shall be accessible and visible from the fire apparatus access road.
6. The minimum number and distribution of fire hydrants shall be in accordance with City of Sandy requirements and OFC Appendix C.
7. Fire hydrants installed within the Sandy Fire District shall comply with the following requirements:
  - a. Flow requirements and location of fire hydrants will be reviewed and approved by Sandy Fire upon building permit submittal.
  - b. Each new fire hydrant installed shall be ordered in an OSHA safety red finish and have a 4-inch non-threaded metal faced hydrant connection with cap installed on the steamer port (4 ½-inch NST x 4-inch Storz Adaptor). If a new building, structure, or dwelling is already served by an existing hydrant, the existing**

**hydrant shall also be OSHA safety red and have a 4-inch non-threaded metal faced hydrant connection with cap installed.**

**NOTE:**

Sandy Fire District comments may not be all inclusive based on information provided. A more detailed review may be needed for future development to proceed.

**Please do not hesitate to contact Fire Marshal Gary Boyles at 503-891-7042 or [fmboyles.sandyfire@gmail.com](mailto:fmboyles.sandyfire@gmail.com) should you have any questions or concerns.**