



SANDY FIRE DISTRICT NO. 72

Fire Prevention Division

E-mail Memorandum

To: planning@ci.sandy.or.us
From: Gary Boyles
Date: December 9, 2022
Re: Barlow Vet Clinic Design Review 22-041 DR/ADJ

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. All future construction activities shall comply with the applicable Oregon Fire Code and the [Fire Code Application Guide](#). Construction documents detailing compliance with fire apparatus access and fire protection water supply requirements shall be provided to the Sandy Fire District for review and approval concurrently with building permit submittal.
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 access will be 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. Medical gases shall comply with OFC Section 5306. Per this section, a one-hour exterior room separated from the remainder of the building by a fire barrier will be required.

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. 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.
2. 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 of the nearest fire hydrant will 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. 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.
4. The minimum number and distribution of fire hydrants shall be in accordance with City of Sandy requirements and OFC Appendix C. Based on estimated fire-flow requirements (determined by building square footage and construction type) there is a potential that a minimum of two fire hydrants will be required with an average spacing between the fire hydrants of 450-feet. This would require the installation of a new fire hydrant on Pioneer Blvd.
5. 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 should you have any questions or concerns.