



FIRE SITE PLAN REVIEW COMMENTS

Meeting Date: 3/26/2021

Case # 20-310

Applicant Name: NW Investors

Project: Coffee and Gas

Location: 3540 Willamette Dr. NE

Notes By: Terry McDaniel

Planner: Seymour

Fire Flow Requirements:

1. One fire hydrant shall be provided on the site. The required fire-flow for the building shall be not less than **1,500 gpm** for 2 hours in accordance with IFC Appendix B. Said fire-flow is based on square footage/ building construction type, including a 50% credit for the installation of automatic fire sprinkler systems. (IFC section 507.1 LMC 14.07.015). The initial calculation is always based on type 5b wood framed construction as a worst case scenario for fire flow.

Sprinkler System Requirements:

2. The purposed building shall require a sprinkler system, the purposed building shall be equipped with an approved automatic sprinkler system and shall be installed in accordance with NFPA 13 (2016 Edition) standards. In addition a fire department connection shall be installed in accordance with (LMC 14.07) a fire department connection shall be located within 40 feet of a fire hydrant. **The building shall have its own FDC line with KNOX locking caps or plugs.**

Fire Alarm System Requirements:

3. An approved addressable fire alarm system with supervised monitoring shall be provided in the addition in accordance with the City of Lacey Municipal Code (LMC 17.07) and NFPA 72 Standards (2016 Edition).

Fire Apparatus Access Road Requirement:

4. An approved 20-foot wide all-weather surface fire apparatus access roads shall be provided to within 150-feet of all exterior portions of the buildings at ground level. Said fire apparatus access road shall be located not less than 10-feet from the building. (IFC Section 503.1)

General Requirements:

5. Approved 6" minimum address numbers shall be provided on the building in a location facing the fire apparatus access roadway. The address numbers shall contrast the buildings color. (IFC Section 505.1; LMC 14.07.015)
6. An approved Fire Department and Police Department key-box shall be provided on the building in accordance with (IFC Section 506) and (LMC 14.07). Said fire department key-box shall be installed in a location approved by the City of Lacey Fire Code Official. Said key-box shall contain keys necessary for fire department and police department access to the interior of the building and any other location necessary for fire department or police department operations. Go to knoxbox.com for City of Lacey key boxes for Lacey Fire District #3 and Lacey Police Department. Upon completion of the key-box installation, the City of Lacey Fire C Specialist shall install the necessary keys and cover. (IFC Section 506).
7. Approved fire lane marking shall be provided where necessary to discourage obstructions by the parking of private vehicles. Upon completion of final road surfaces and curbing construction, the City of Lacey Fire Code Official shall perform a site inspection to determine locations where fire lane marking will be necessary to discourage the parking of private vehicles. Said fire lane marking, where applicable, shall be provided and approved prior to final occupancy approval. IFC Section D-103.6; LMC 14.07.015
8. Fire extinguishers shall be provided every 75 feet in accordance with (LMC 14.07) fire extinguishers shall be the 2a10bc type.
9. Please note we are under the International Fire Code 2015 Edition and all NFPA code requirements of the most recent year published.

Required Fire Inspections:

10. The City of Lacey fire code official shall conduct the necessary inspections or witness required tests to ascertain compliance with applicable fire codes. The applicant shall contact the City of Lacey Building Department, at (360) 491-5642, to schedule the required inspection or to request witness of required tests. At least 24 hours shall be allowed for scheduling. (IFC Section 106.2)

Terry McDaniel
Fire Code Specialist
City of Lacey
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