



TOWN OF MILFORD

FIRE DEPARTMENT

39 SCHOOL STREET
MILFORD, NEW HAMPSHIRE 03055



Bureau of Fire Prevention & Investigation

Deputy Chief Riley J. Stanchina
(603) 249-0680

FIRE PREVENTION PLAN REVIEW RESPONSE

Date: December 20, 2024

Parcel #: 011-011-000-000

Street Address: 792 Elm St.

Project Name: McDonalds

Review Type: Preliminary Conceptual Review

Status: Reviewed, comments provided

Comments:

The Milford Fire Department has reviewed the provided documents for planning board review. The following comments DO NOT constitute plans review for the issuance of a building permit and the limited information provided is not sufficient for a full fire and life safety code review of the proposed project. Upon application for a building permit, a full set of detailed, stamped plans must be submitted to the Fire Department for plans review. Any code requirements mentioned are subject to change upon receipt of new information related to the project. Where assumptions are made in this review, they assume the most restrictive conditions. The referenced codes for this review are NFPA 1, Fire Code (2021); NFPA 101, Life Safety Code (2021); International Building Code (2021).

Building Construction and Occupancy Assumptions:

1. Until otherwise shown by architectural design, the buildings will be assumed to be of NFPA Type V (000) construction, otherwise known as unprotected wood frame.
2. The occupancy type will be "Business" according to the Fire Code, and "Business, Group B" according to the Building Code. According to the seat count, the building will have an occupant load of less than 50, which is the threshold for an assembly occupancy.

Building Height and Area:

3. The proposed building height is compliant with the maximum allowable height from Table 504.3 in the building code.

4. The square footage for the proposed building is 3,694 sq. ft. This complies with the maximum allowable area for non-sprinkled buildings from the building code.

Addressing:

5. An address has already been assigned to this parcel, and is appropriate. No change is proposed.

Fire Department Access:

6. Fire department access roads shall have an approved turning radius. Please provide a fire truck turning plan that shows the Milford Fire Department ladder truck traveling through the proposed access around the building. **NFPA 1 (2021) 18.2.3.5.3.1**
7. The building shall be provided with a Knox box for rapid emergency access. **NFPA 1 (2021) 18.2.2.1**

Water Supply:

8. The maximum distance to a fire hydrant from the closest point on a building shall not exceed 400 ft. The nearest existing fire hydrant is located in front of the parcel that is adjacent to the east of the proposed project. The distance from this hydrant to the building, measured along the access roads as required per **NFPA 1 (2021) 18.5.1.4** is estimated to be approximately 650 feet (See Attachment A). A fire hydrant will need to be installed that will be within the required distance. **NFPA 1 (2021) 18.5.3(1)**
9. The building will require 1,750 GPM of available fire protection water supply. The maximum allowable credit for fire hydrants is based on the following table:

Table 18.5.4.3 Maximum Fire Hydrant Fire Flow Capacity

Distance to Building (ft)	Maximum Capacity (GPM)
≤ 250	1500
> 250 and ≤ 500	1000
> 500 and ≤ 1000	750

The existing hydrant near the adjacent property is between 500 to 1,000 feet from the proposed building, which can be credited for 750 GPM subject to a flow test completed by the owner proving that it can provide this flow rate. This hydrant, plus the additional hydrant required in item 8 will provide sufficient water supply to comply with this section of the code. **NFPA 1 (2021) 18.4.5.2.1, 18.4.5.3.3 and 18.5.4.1**

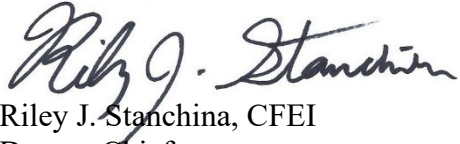
Fire Protection Systems:

10. The building is not required to be protected with fire sprinklers.
11. The building is not required to be protected with a fire detection and alarm system.

12. The commercial cooking operation is required to be protected by a kitchen exhaust hood and duct system, as well as a fire suppression system. **NFPA 101 (2021) 38.3.2.5**

This concludes the review comments, please do not hesitate to contact the fire prevention office with any questions.

Sincerely,



Riley J. Stanchina, CFEI
Deputy Chief
Milford Fire Department
rstanchina@milford.nh.gov

Attachment A:

