



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: March 7, 2024

Parcel #: 043-020-002-000

Street Address: South St. at Nathaniel Dr.

Project Name: Rashid Gas Station and Convenience Store

Review Type: Preliminary Conceptual Review

Status: Reviewed, comments provided

Comments:

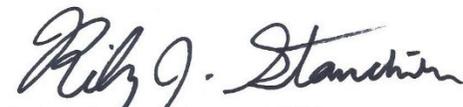
The Milford Fire Department has reviewed the provided documents for the planning board major site plan review. The following comments DO NOT constitute plans review for the issuance of a building permit and the limited information provided is not sufficient for a full fire and life safety code review 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.

1. The occupancy classification for the building will be group M under the building code, and Mercantile, Class B under the Fire and Life Safety codes.
2. For purposes of water supply calculations and building height/area considerations the construction of the building will be assumed as type V (000) [NFPA] and type VB [IBC] until shown otherwise by the architect.
 - a. The proposed square footage of the building is approximately 6,675 sq. ft. occupying a single story.
 - b. The maximum allowable height above grade plane for this worst-case construction type is 40 feet for sprinkled buildings.
 - c. The maximum allowable building area shall be proven by a registered design professional.

- d. Based on the construction type and fire sprinkler assumptions, the required fire flow for the building is 2,250 gallons per minute for 2 hours.
 - i. This will require a minimum of 2 fire hydrants capable of flowing at least 1,125 gallons per-minute each within 250 feet of the building.
 - ii. The total required fire flow can be reduced to 1,000 gallons per-minute if the building is protected throughout by an approved automatic sprinkler system. -OR-
 - iii. The total required fire flow can be reduced to 600 gallons per-minute if the building is protected throughout by an approved automatic sprinkler system utilizing quick-response sprinklers.
- e. The site plan and building location appear to comply with the fire department access distance requirements.
- f. The site plan and building location appears to comply with the minimum required width for fire department access roads. The engineer shall provide a fire truck turning plan demonstrating that the fire department ladder truck can successfully navigate through the site. Specifications are available on the Fire Department website.
- g. An approved automatic fire suppression system shall be installed to protect all pump and dispensing areas in all new unattended self-service stations. Activation of the automatic fire suppression system will automatically transmit an alarm to an alarm receiving point approved by the local fire official. A manual fire alarm station that transmits an alarm to the approved alarm receiving point shall be located in immediate proximity to the emergency electrical disconnect required by NFPA 30A section 6.7.2.
 - i. The reporting means for fire alarm signals shall be by direct connection to the Milford Fire Department using the Milford fire alarm system. Connection to the system can be achieved by extending the existing telegraph circuit down South Street to the building location.
- h. Installation of underground fuel dispensing storage tanks requires a permit from the Milford Fire Department in addition to NHDES permitting. Permit applications are available at the fire station or on the fire department website.

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
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