



ROCKLAND FIRE DEPARTMENT

P.O. BOX 542
360 Union Street
Rockland, Massachusetts 02370-0542



Scott F. Duffey, *Chief*
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Phone (781) 878-2123
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1/7/2022

RE: ShingleMill/ 0 Pond St.

Rockland Zoning Board Members,

The Rockland Fire Department has multiple concerns with the Shinglemill project, this project is at the edge of our response area creating response times exceeding 8 minutes, well over the NFPA 1710 recommendation of four minutes. Considering Rockland Fire's minimal staffing, compounded by an already heavy call volume causes the department's leadership concerns in approving this project. Long response times decreases the survivability chances of a patient in the event of a cardiac or neurologic event. Additionally, EMS interventions for lesser medical emergencies will be further complicated by the excessive response times to this five-story building. The National Institute of Standards and Technology (NIST) research demonstrates that fire doubles in size and intensity every minute until water is applied to the seat of a fire. Furthermore, any fire operations at Shinglemill will quickly overwhelm Rockland Fire's current staffing, even with the addition of Line Box responses from Norwell and Hingham, applying water to the seat of the fire will be significantly delayed. Therefore, Rockland Fire will be requiring the following items to increase the safety of residents and Firefighters in the event of a fire:

1. Both buildings sprinklered per MGL 148 Section 26G and 527 CMR 13.3.2.4
2. Standpipes in ALL stairwells, not to exceed a hose stretch of greater than 100 feet per IBC section 905.4.
3. Install and maintain a Fire Alarm system connected via Master Box to Rockland Fire's municipal systems.
4. Install and maintain a BDA (Bi-Directional Amplifier) in accordance with 527 CMR 11.10.2 and Chapter 24 of NFPA 72.
5. CMR 527 Section 18.1.3.2 Fire Hydrant Systems plans and specifications for fire hydrant system shall be submitted to the fire department for review and approval prior to construction. Rockland Fire Department will not accept a Dead-End water main for this project.



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6. CMR 527 Section 18.2.1 Fire department access roads shall be provided and maintained in accordance with Section 18.2
7. CMR 527 Section 18.1.14 The fire apparatus access road plans must include an analysis and evaluation of fire apparatus maneuvers throughout the access roads created by swept path analysis and turn simulation software.
8. CMR 527 Section 18.2.3.1.1 Approved access roads shall be provided for every facility, building or portion of building hereafter constructed or relocated.
9. CMR 527 Section 18 2.3.4.3.1 The minimum turning radius of a Fire Department access road shall be 25 feet, the AHJ has the authority to increase this radius to accommodate the AHJ's apparatus.
10. CMR 527 Section 18.2.3.1.4 When Fire Department access roads cannot be installed due to location on property, topography, waterways, nonnegotiable grades, or other similar conditions the AHJ shall be permitted to accept alternatives proposed by the owner of the building to allow additional fire protection features, up to and including the installation of an approved sprinkler system installed in accordance with the Building Code, cisterns, additional fire hydrants or similar devices or systems.
11. CMR 527 Section 18.2.3.4.3.2 Turns in Fire Department access roads shall maintain the minimum road width.
12. CMR 527 Section 18 2.3.4.8 Travel in the opposing lane. The use of the opposite travel lane is prohibited in the design of all new fire apparatus access roads.
13. CMR 527 Section 18.2.3.5.1 Where required by the AHJ approved signs, approved roadway surface markings, or other approved notices shall be proved and maintained to identify fire department access roads and prohibit thereof or both.

The Rockland Fire Departments will revise or add additional conditions once a formal plan has been submitted.

Best,

A handwritten signature in black ink, appearing to read "Thomas Heaney".

Thomas Heaney

Deputy Fire Chief