

# West Windsor Township Fire & Emergency Services

## Memorandum

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**DATE:** July 20, 2022  
**TO:** Chairman, West Windsor Planning Board  
**FROM:** Chief Timothy M. Lynch  
**REGARDING:** PB 21-10 Carnegie Center West

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### OVERVIEW

The proposed application is for the development of an area approximately 50 acres east of US Route 1 between Carnegie Center Boulevard and Alexander Road. The applicant is proposing a four-story extended stay hotel including a large subterranean parking garage and 270 hotel units.

### ACCESS

- Fire department access shown on submitted drawings appears compliant with the Township Fire Prevention Ordinance.
- Applicant has provided a comprehensive fire apparatus turning template which appears to show adequate apparatus movement throughout the site.

### WATER SUPPLY FOR FIRE PROTECTION

- Building must be equipped with full-automatic fire sprinklers compliant with NFPA 13.
- Utility plans show placement of hydrant that appears in compliance with Township Fire Prevention Ordinance.
- Applicant should ensure that a fire hydrant is placed within 100' of fire department connections once their locations are determined.
- Applicant must provide fire department standpipes throughout the subterranean parking garage with 2 ½" national standard thread hose outlets and be located no further than 100' apart. The standpipes shall be tied into the fire sprinkler piping so that there will be only one fire department connection.

### MISCELLANEOUS

- A lock box to allow immediate access by the Fire Department shall be installed at the front of the building.
- Fire department requests the installation of fire department standpipes in each stair tower. The standpipes shall have 2 ½" national standard thread hose outlets on each stair tower floor landing. The standpipes shall be tied into the fire sprinkler piping so that there will be only one fire department connection.



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- The position of the fire department connection that supports the fire sprinkler system shall be at the front of the building.
- Applicant should be aware that under N.J.A.C. 5:70, 510.1 *Emergency Responder Radio Coverage* – “*All new buildings shall have approved radio coverage for emergency responders within the building based upon existing coverage levels of the public safety communications systems of the jurisdiction at the exterior of the building.*”
  - The applicant will be required by the construction official to conduct a radio signal strength survey of the building while under construction, and if deemed necessary a radio signal amplification system would need to be installed.

### **CONCLUSION**

The applicant has addressed all concerns raised by this office and the application is in compliance with the Township Fire Prevention Ordinance. I recommend approval of the application.



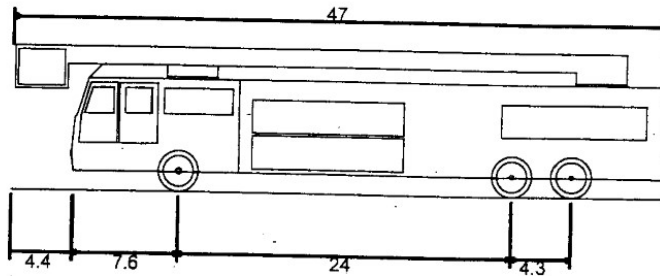
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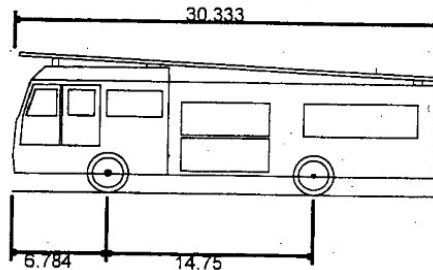
## Fire Apparatus Dimensions for Turning Radii

The illustrations below of West Windsor Township fire apparatus may be used for determining the needed turning radii required for access to proposed applications for land development.



### AERIAL 100' LADDER

Overall Length	47.000ft
Overall Width	8.333ft
Overall Body Height	10.000ft
Min Body Ground Clearance	1.393ft
Track Width	8.333ft
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	36.250ft



### PUMPER

Overall Length	30.333ft
Overall Width	8.333ft
Overall Body Height	10.000ft
Min Body Ground Clearance	1.393ft
Track Width	8.333ft
Lock-to-lock time	6.00s
Max Wheel Angle	45.00°



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