2.6.6. Accessway and fire engine access road shall be kept clear of obstructions and other protruded parts of the building, plants, trees or other fixtures such that they do not obstruct the path between the accessway and access openings of the building.

Note: The podium edge is obstructing the reach of the boom of fire engine to 4th storey. Other obstructions could be roadside trees, entrance porch etc. To allow full extension of aerial ladders at a safe climbing or elevation angle Ø of 60 to 80 degrees, sufficient space is needed to position the fire engine. Such obstructions should be avoided for buildings without firefighting lifts and firefighting lobbies. Public road may be used as hard standing by fire engine, provided the edge of the public road to the facade of the building where access openings are located is not exceeding 10m. See **Figure 2.4.**

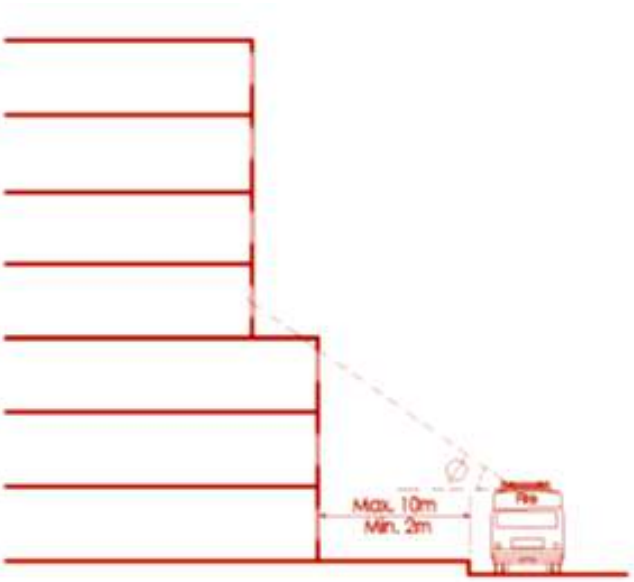

Figure 2.4: Obstruction to Fire Vehicle

The fire engine shall be located at least 2m from the building, but not more than 10m away from the external wall or façade (including any overhead obstruction) of the building.

If the fire engine is located within 2m from the building, the aerial ladder when set-up would fall outside the safe working limit i.e. the inclination of the ladder would be too steep. If the fire engine is located more than 10m from the building, the effective reach of the aerial ladder would be reduced.

2.6.7. A suitable access pathway shall also be provided to enable fire-fighters to inspect all elevations of a building during or after a fire. A suitable pathway could be a paved or gravel path. Any such pathway should be a minimum of 1 m wide and Plants, Bushes, Walls or other features should not impede such pathway.

2.6.8. Fire Hydrants, where required as per **Chapter 9**, shall be located along the Fire Access Road and Fire Accessway and installed as per **Chapter 9**, Yard Fire Hydrants.