

2.10. Access to Fire Fighting Equipment for Fire Fighters

2.10.1. Yard Hydrant System

- a. Consideration should be given to establish Public Fire Hydrant System as part of UAE infrastructure. UAE Municipality should stress on provision of Public Fire Hydrant System at all upcoming developments. Civil Defence makes it mandatory to provide Yard Fire Hydrants in all developments.
- b. Yard Fire Hydrants shall be available for the Fire Fighters which essentially should be located along the Fire Accessway. These Yard Fire Hydrants are used by Fire fighters either to refill the Fire vehicle water tank or fight Fire using the hose connection from the Hydrants.
- c. Such Yard Fire Hydrants shall be capable of delivering 500 gpm (US Gallons per minute) through a single Hydrant with two outlets, i.e., 250 gpm per outlet shall be available.
- d. Minimum Pressure required for Private fire hydrant is 6.9 bars.
- e. Two such Hydrants shall be considered for the Hydraulic calculations.
- f. The design, calculations, Pipe sizes, Pump and Tank Capacities, Test requirements, distance between Hydrants, Material requirements etc. shall comply with **Chapter 9, Fire Protection Systems**.

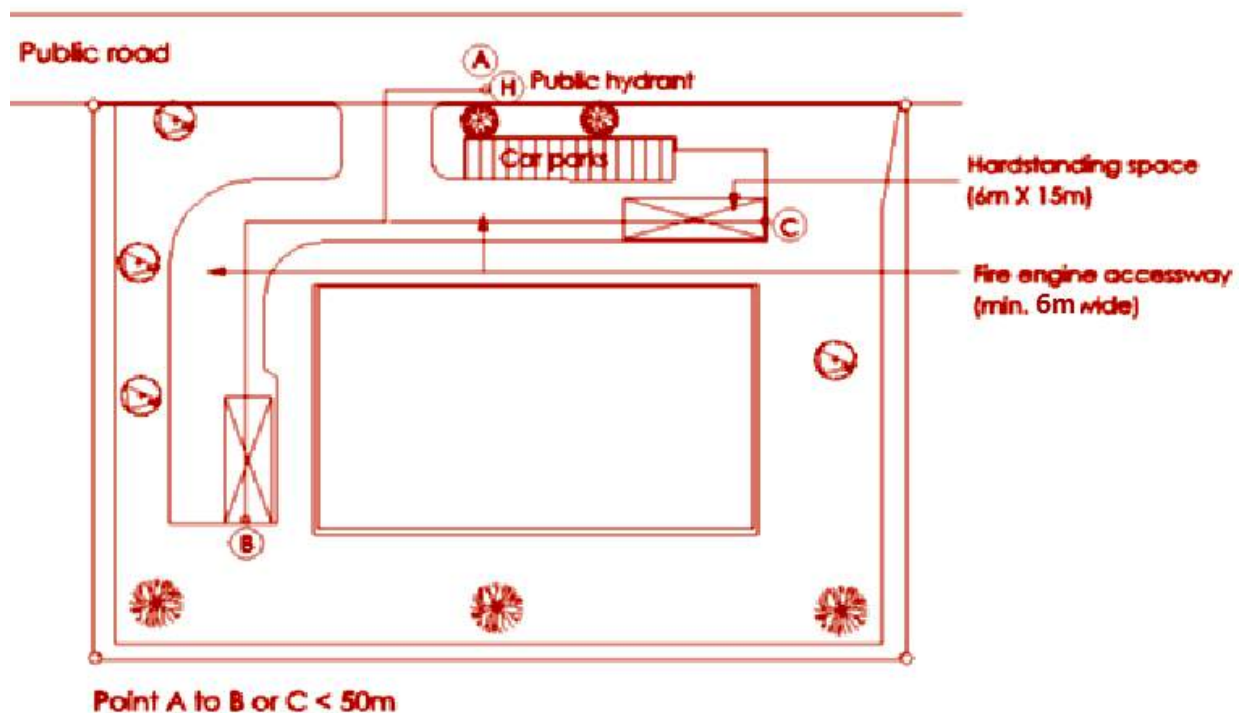


Figure 2.16.: Distance from furthest point of private fire engine accessway to a public hydrant