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Surrey Fire Service
Fire Department Site Plan Requirements for Land Development Applications

The Surrey Fire Service (SFS) Prevention Division aims to review land development plans in the most efficient and effective way possible. In order to ensure that we have the information needed to meet that objective, the SFS has identified specific information that is required to be included as part of Land Development Applications in the form of a specific Fire Department Site Plan.

All drawing submissions for Land Development Applications for projects other than a single-family residential dwelling are required to provide a drawing titled Fire Department Site Plan and is to include the following information:

1) A clearly identified or highlighted access route(s).
2) The location of new and existing fire hydrant(s).
3) The location of the fire department connections(s).
4) The location of the fire alarm annunciator panel(s).
5) The location of the primary entrance to the building and any primary entrances to units not connected to the building through an internal corridor.
6) The location of stairwells that provide access to above grade and below grade levels. Note: The SFS requires stairwell access to all above grade and below grade levels is to be provided at the primary response point.
7) The location of all entrances and exits from the underground parking area.
8) The dimensioned distance from the principal entrance to the closest portion of the access route. (BCBC 3.2.5.5.)
9) The dimensioned unobstructed distance between the fire hydrant(s) and the fire department connection(s). (BCBC 3.2.5.5.)
10) If the building is not provided with a fire department connection, the dimensioned distances from the fire hydrant to the fire department pumper via the access route, and from the fire department pumper vehicle to principal entrance of the building via the unobstructed path of travel. (BCBC 3.2.5.5.)
11) The dimensioned distance of path of travel from all buildings and units not connected by a common interior corridor between the furthest primary access point to the location of the nearest fire truck access. (BCBC 3.2.5.5.)
12) The access route that must be designed to support a minimum weight of 36,287 KG (80,000 lbs). (BCBC 3.2.5.6.)
13) The dimensioned width of the access route. (BCBC 3.2.5.6.)
14) The dimensioned centre-line radius of the access route. (BCBC 3.2.5.6.)
15) Identify any portions of the access route that will have an overhead clearance of less than 5 m (16.4 ft). (3.2.5.6.)
16) The dimensioned distance for any dead-end portion of the access route. (BCBC 3.2.5.6.)
17) Identify any portions of the access route that will have a change of gradient greater than 1 in 12.5 over a minimum distance of 15 m (49.2 ft). (BCBC 3.2.5.6.)

For any questions, please contact the SFS Fire Prevention Office at FirePrevention@surrey.ca.