



4.3.2 Fire Fighting Water Corridor

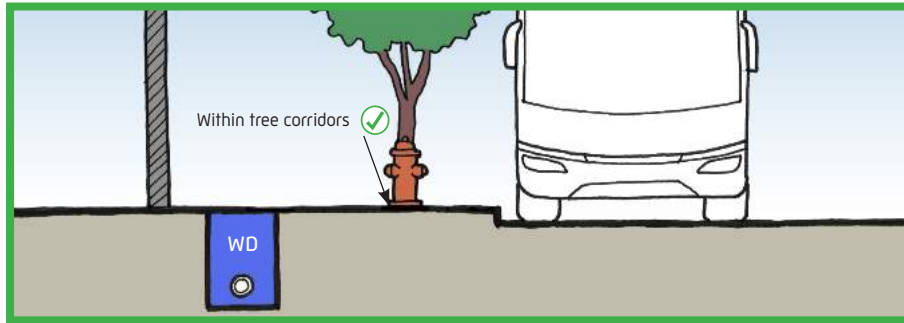
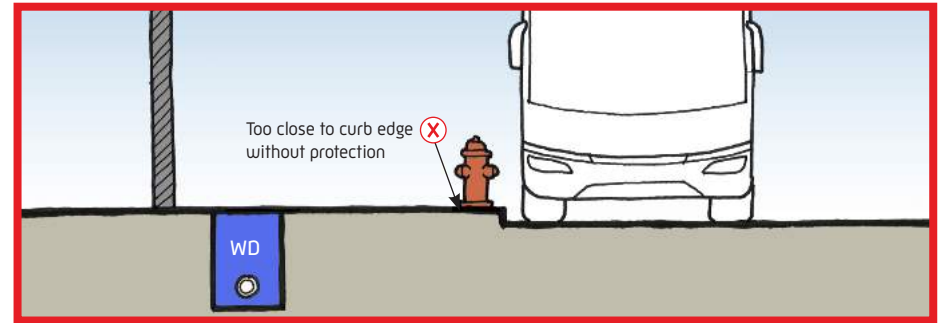


Figure 4.7: Fire hydrant locations



Fire Fighting Water Corridor Widths and Locations

In general, the Fire Fighting Water network is combined with the potable water network. In instances where a separate dedicated fire fighting water main is required by the relevant authorities, service and chamber corridor widths shall be based on potable water corridor allocations, and be placed adjacent to the potable water supply corridor within the Pedestrian Realm, as illustrated in Figure 4.7. In certain cases, this may require increasing the overall Pedestrian Realm width.

In certain situations, the Fire Fighting Network may be combined with the Irrigation network. In this case, the Irrigation corridor allocations shall be followed.

Fire Hydrants

Fire hydrants shall be located within the Pedestrian Realm, for example within the tree/street lighting corridor, and positioned such that pedestrian movement is not obstructed. Figure 4.8, illustrates an example of such obstruction.

Fire hydrants shall be clearly visible, marked with approved signage and their positioning shall not block emergency access routes. The number, location and specification of external fire hydrants shall be in accordance with the requirements of the General Directorate of Civil Defense of Abu Dhabi.

Fire Fighting Water Special Arrangements

The majority of Fire Fighting water chambers can be located within the allocated chamber corridor. Where this is not possible and special arrangements are required, they shall be located as indicated in Table 4.5.



Figure 4.8: Example of poor placement of fire hydrant and signage causing obstructed pedestrian movement