

3.5 Preparation of Utility Corridors Plans and Cross Sections

Preparation of output for utility corridors allocation, as part of submissions for the approval routes identified in Section 3.4, should include:

- Utility corridor allocation plans that adopt the appropriate location, width and colour coding for each utility corridor. These shall be provided in GIS format in accordance with the UPC's GIS section 'Spatial Data Submission Specifications' and the Department of Municipal Affairs (DMA) 'Utility Corridor Mapping Specifications'; and
- Utility corridor cross sections that show the location and width of the 'service' and 'chamber' corridors for each utility, including offset dimensions, and identifying spare corridors.

An example utility corridors allocation arrangement cross section is shown in Figure 3.5.

3.6 UCDM Exception Solutions

The utility corridor requirements outlined in this Manual are intended to cover all utilities being installed in urban areas throughout the Emirate of Abu Dhabi. Using these requirements, a selection of typical utility corridors allocation arrangements have been developed to account for the majority of Street Types encountered. Refer to Chapter 5 for further details.

In developing utility corridors allocation arrangements, the utility corridors requirements, as specified in this

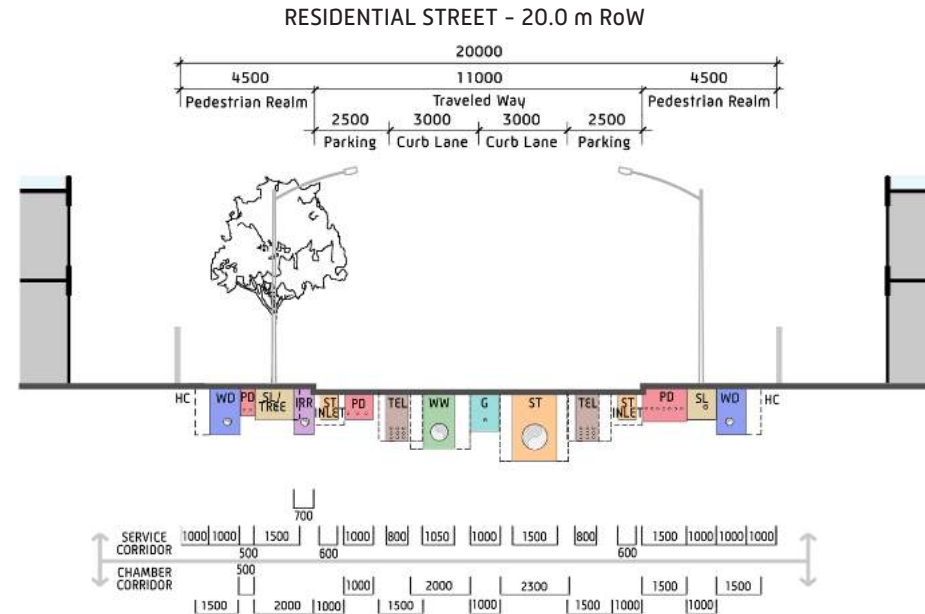


Figure 3.5: Utility corridors allocation arrangement cross section

Manual, shall be adopted. There may however be a limited number of instances where an alternative solution for the utility corridors or arrangements may be required.

These may include:

- Smaller or larger utility corridor widths based on specific known pipe diameters/cable array;
- Where spare/unused corridors are required for other utilities; or
- A change in the overall RoW based on utility corridor needs.

Innovative solutions/exceptions, therefore, may be considered to address these special exceptions.

Applications submitted through the approval routes identified in Section 3.4 for Master Plans, Projects or Infrastructure Retrofitting that include an exception must be accompanied by technical justification for deviation from the Manual (e.g. demonstration of specific hydraulic requirements and the calculation of number of required cables)

Wherever a particular corridor from the utility corridors allocation arrangements provided in this Manual is not required, the unused corridors shall be maintained as a 'spare corridor'.