

Step IV: Adjust and Finalise Utility Corridors

This step consists of adjusting and finalising the utility corridors to fit the given cross section/RoW presented in Figure A.6 of Step III.

Utility corridor locations and widths are identified according to the UCDM location rules and utility reservation widths, as presented in Chapter 4. In this example, utility corridors should be developed for a 25 m wide Residential Street and with On-street Parking and Cycle Tracks on both sides.

Figure A.8 illustrates the adjustment of the RoW:

- Using Figure A.7 extracted from the UCDM, adjust the RoW to 25 m to widen the Pedestrian Realm; and
- Provide Cycle Tracks and accommodate an additional row of trees.

The additional space created as a result of the widened RoW can therefore be used to enhance the utility corridor arrangements as described below. Note that the house connection and the potable water corridors remain the first two corridors after the plot boundary.

Figure A.9 illustrates the finalised utility corridor arrangement after implementing the adjustments below:

- Power distribution moved to the Pedestrian Realm and two power distribution corridors combined;
- Telecommunication corridors moved to the Pedestrian Realm on both sides;
- Wastewater and stormwater corridors moved away from the Travel Lanes to the Parking; and
- Street lighting corridor increased to one side to accommodate one more row of trees.

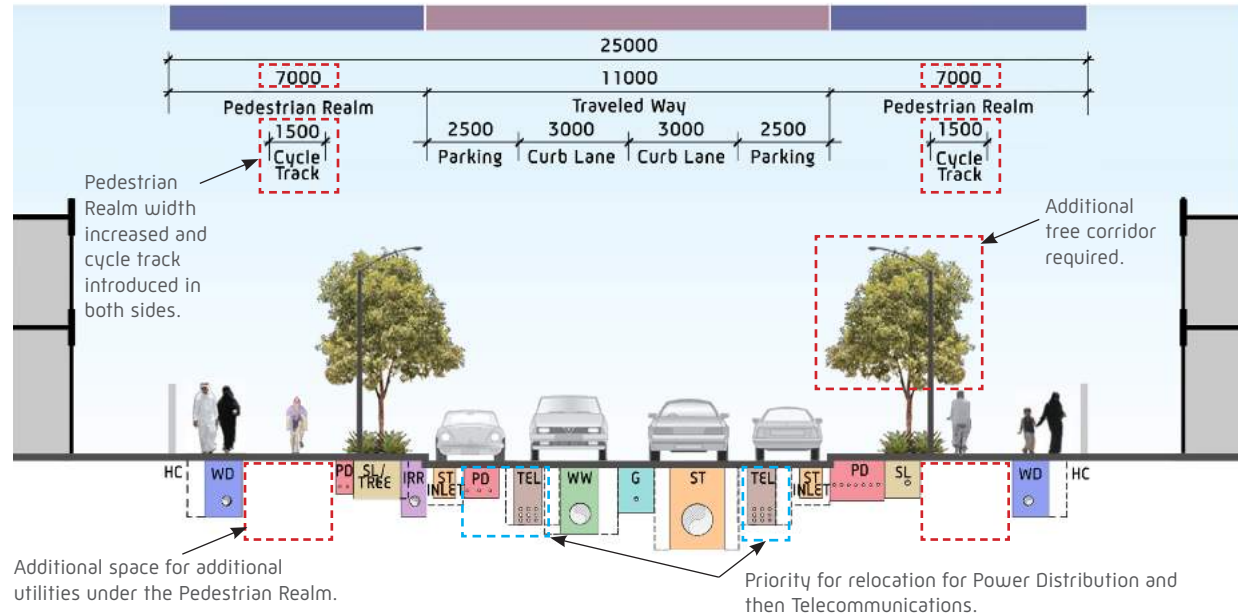


Figure A.8. Adjustments to the UCDM typical Residential Street – RoW increased to 25 m

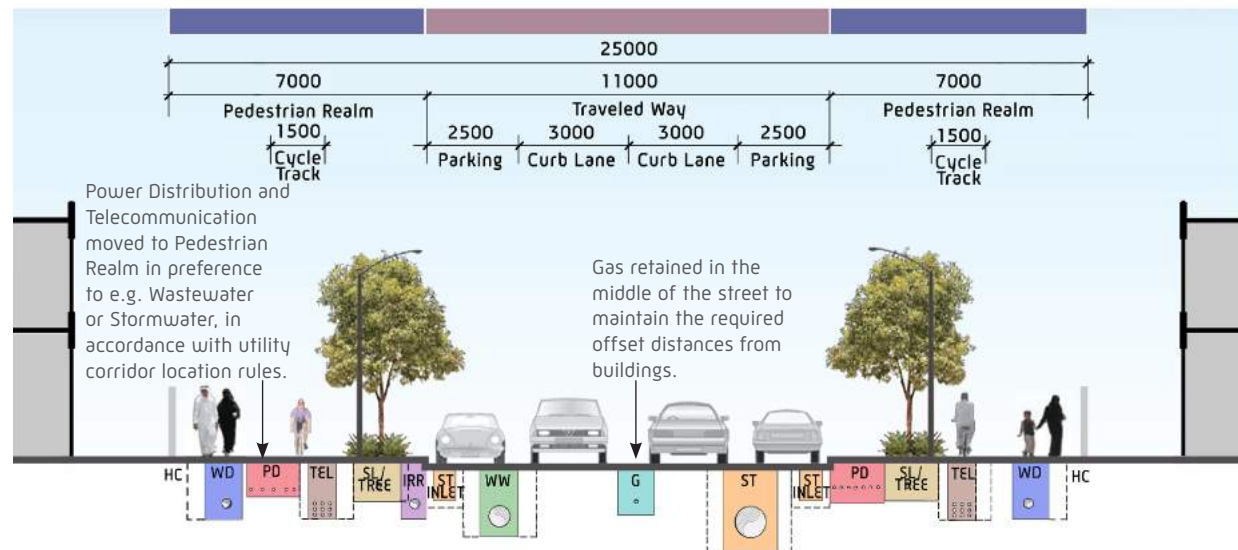


Figure A.9. Finalised utility corridor arrangement for 25 m Residential Street