3.1 Introduction

This chapter presents step-by-step guides for the development of utility corridors arrangements, namely for:

- **New streets,** which are those included in Master Plans and Projects as defined in the UPC's Urban Development Review Process; and
- **Infrastructure retrofitting,** which may include upgrades, additions, replacement or other modifications to utilities in existing streets, as may be required.

An overview of the UCDM's integration with the approval process is presented and the exception process is outlined.

3.2 New Streets

For the development of utility corridor arrangements in new streets, the following four steps may be applied as shown in Figure 3.2:

Step I: Understand the Master Plan/Project.

Develop a thorough understanding of the Master Plan/Project based on urban and transportation planning requirements.

Step II: Confirm Utilities Requirements

Develop utility network plans, in accordance with utility providers' specifications.

Step III: Select Closest Applicable UCDM Cross Section Arrangement

Select the closest applicable utility corridors cross section for the identified street, which has been developed using the USDM and contains street elements which may include: Travel Lanes, Frontage Lanes, Cycle Tracks, etc., as demonstrated in Figure 3.1. This selection is based on matching the Street Type and the configuration of these elements.

Step IV: Adjust and Finalise Utility Corridors

Finalise the utility corridors cross sections arrangements, adjusting where necessary within the RoWs in accordance with the location rules and corridor width requirements.

Utility corridor plans for a network of streets may be developed by repeating Steps III and IV for each street. A sample project demonstrating the use of these steps is included in Appendix A.

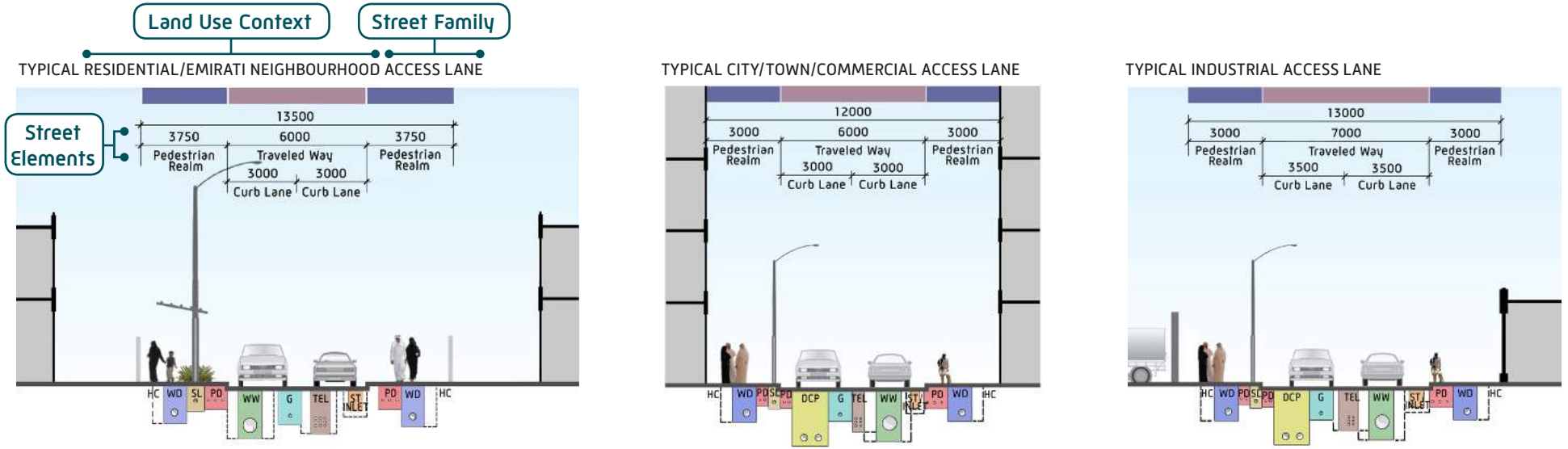

Figure 3.1: Typical Access Lane cross sections for different Land Use Contexts