

4.2 Summary of Utility Corridor Location Rules and Widths

Table 4.1: Summary of Utility Corridor Location Rules

- Desirable location
- Alternative location



Utilities	Side 1					Middle	Side 2				
	Pedestrian Realm	Frontage Lane			Traveled Way			Frontage Lane			Pedestrian Realm
		Parking	Travel Lane	Side/Median	Curb/Travel Lane(s)	Median	Curb/Travel Lane(s)	Side/Median	Travel Lane	Parking	
House Connection [1]	●										●
Potable Water [2]	●										●
Wastewater [3,4]	○	○	●		●		●		●	○	○
Irrigation [5]	●			●		●		●			●
Stormwater [3, 4]	○	○	●		●		●		●	○	○
Stormwater Inlet [6]	●	●	○	●	●		●	●	○	●	●
District Cooling [7]	○	○	○		●		●		○	○	○
Power - HV [8]						●					
Power - LV / MV [9]	●	●	○	○				○	○	●	●
Street Lighting / Trees [10]	●			●		●		●			●
Telecommunication [11]	●	●	○	○	○		○	○	○	●	●
High Security / Traffic Surveillance [12]					●	●	●				
Combined Fibre Optics [12]					●	●	●				
Gas [13]			○		●	●	●		○		

- [1] A 1000 mm unobstructed corridor shall be retained for House Connection chambers only (no longitudinal services are permitted in this corridor).
- [2] Potable Water corridors shall be located on either side of the RoW. Potable Water shall always be the first corridor after the House Connection corridor.
A minimum of 1000 mm horizontal clearance shall be maintained from Wastewater or Irrigation to the Potable Water service corridors. This clearance may be reduced to 800 mm if another utility corridor separates the two service corridors.
Potable Water pipelines shall be installed at a higher level than Wastewater and Irrigation pipelines with a minimum vertical clearance of 300 mm.
- [3] Wastewater and Stormwater mains are typically located under Travel or Frontage Lanes. They may also be located under the Pedestrian Realm, if space permits.
- [4] Where pressurised Wastewater or Stormwater mains are required, they shall be installed within separate corridors under the Pedestrian Realm, or parking if interlocked pavers are used.
- [5] Irrigation corridors shall preferably be located adjacent to the tree corridor, where applicable.

- [6] Stormwater Inlet shall be located either on Parking/Travel Lane at edge of curb and preferably integrated within the curb as part of Sidewalk or Side Median.
- [7] District cooling corridors are typically located under Travel Lanes. They may also be located under the Pedestrian Realm, if space permits.
- [8] Power transmission corridors shall only be located in Medians along Avenues and Boulevards.
- [9] Where Power Distribution corridors are located under Parking or Frontage Travel Lanes, interlocking pavers shall be used.
- [10] Street Lighting shall share corridor with trees, where required.
- [11] Telecommunication corridors shall be shared by the Telecommunications providers and be located under the Pedestrian Realm or under Parking, if interlocking pavers are used.
- [12] High Security (HS) and Traffic Surveillance (TS) fibre optic lines shall be located under Medians (or close to them) along Avenues and Boulevards.
- [13] Gas corridors shall be located under Travel Lanes or Medians to satisfy the minimum horizontal clearance from building edges.