

Irrigation Corridor Locations

The number of irrigation corridors depends on the Street Family and the number of landscape strip/tree corridors required.

A minimum horizontal clearance of 1000 mm shall be maintained between the irrigation service corridor and any potable water service corridor. This clearance can be reduced to 800 mm if a third utility separates the two service corridors.

Irrigation corridors include:

- **Primary corridors:** provided either in the Pedestrian Realm or within the Median;
- **Secondary corridors:** generally provided next to landscaping strip/tree corridors

A separate corridor is not required for tertiary irrigation pipelines (e.g. shallow or at surface drip/sprinkler networks that are installed within the tree corridor and landscape areas, as required).

Potable water corridor location requirements are illustrated in Figure 4.11.

In certain cases, the irrigation chamber corridor may overlap with the tree/street lighting chamber corridor or the stormwater inlet chamber corridor. Figure 4.12 illustrates an irrigation chamber overlapping with an adjacent tree/street lighting corridor, away from street lighting cables.

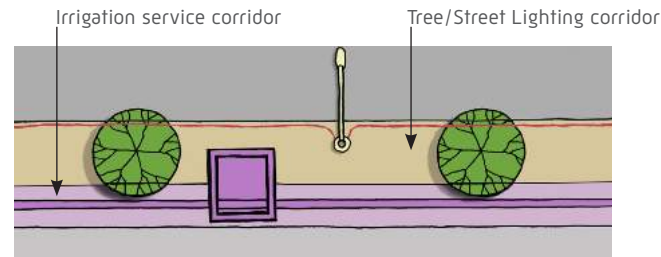


Figure 4.12: Example of an Irrigation chamber overlapping a Tree/Street Lighting corridor

Irrigation Corridor Widths

Irrigation pipe diameters depend on the landscape scheme, which may vary from one Land Use Context to another. Since irrigation systems within urban areas are generally based on a localised area network, the maximum pipe diameter of these systems typically does not exceed 600 mm.

Irrigation chambers shall be located within the chamber corridors and be in accordance with local Municipality requirements.

It is recommended that individual valve chambers be used for each branch of intersecting irrigation pipes or T-Connections to avoid large chambers obstructing other utility corridors.

Irrigation corridor requirements and width allocations are presented in Tables 4.8 and 4.9. Service and chamber corridor offsets (d_{min}) for each of the irrigation corridor combinations are illustrated in Figure 4.13.

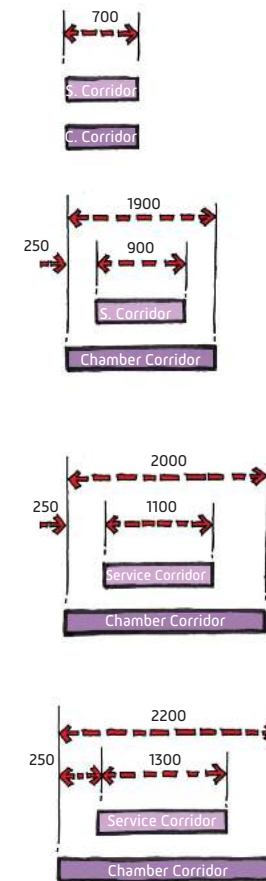


Figure 4.13: Irrigation water service and chamber corridor offsets

Irrigation Special Arrangements

Wherever chambers require special arrangements, such as washout chambers, they should be located within parks, landscaped areas or open spaces, where possible.