

Stormwater Corridor Location

Stormwater collection corridors include:

- Stormwater inlets; and
- Stormwater carrier pipelines.

Stormwater inlet corridors shall be located at the edge of the Pedestrian Realm curb edge to catch surface water drainage. Stormwater inlets include:

- **Gullies** : grating installed flush with the Travel Lane surfacing, with grating openings perpendicular to the curb; and
- **Curb inlets** : integrated with the curb in the Median/Pedestrian Realm.

Wherever placement of a stormwater carrier pipeline under the Pedestrian Realm or Parking is not feasible, it may be placed under Travel Lanes. When placed under Travel Lanes, stormwater chamber access covers shall be placed close to the centre of the Travel Lane for the reasons explained under Section 4.6.2.

Similar to wastewater and district cooling networks, the stormwater network shall be installed during the early stages of construction of infrastructure works to avoid disruption to the Travel Lane surface finish.

Stormwater corridor locations are illustrated in Figure 4.14.

Stormwater Service and Chamber Corridor Width

Stormwater inlet corridors shall have a width of 1000 mm, except on Access Lanes where the width may be reduced to 750 mm.

Pipe diameters depend on the Street Family and the RoW width. It is encouraged to adopt stormwater drainage from smaller to larger streets, where topography and grading permit and as illustrated in Figure 4.15, in order to optimise the stormwater pipeline design.

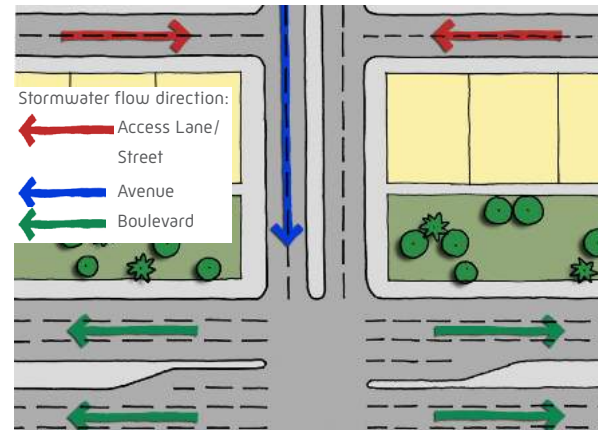


Figure 4.15: Desired stormwater flow directions

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

Stormwater corridor requirements and width allocations are presented in Tables 4.10 and 4.11.

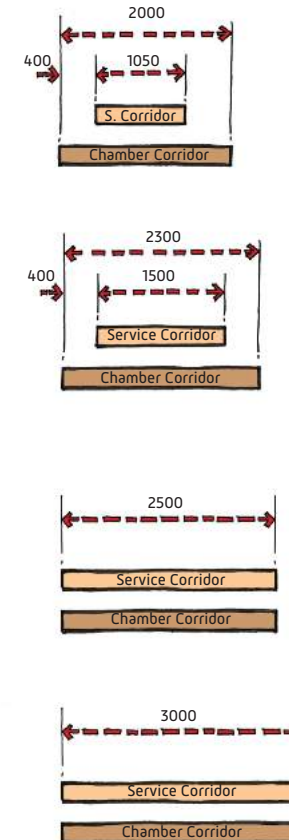


Figure 4.16: Stormwater service and chamber corridor offsets

Service and chamber corridor offsets (d_{min}) for each of the stormwater corridor combinations are illustrated in Figure 4.16.