



## DESIGN STATEMENT

The junction pit is a standard urban drainage element throughout Merri-bek City Council. Junction pits are designed to work as integral drainage elements to enable effective management of stormwater throughout the municipality.

## APPLICABLE LOCATION

The junction pits are required at connections between main pipes to enable access for cleaning and maintenance.

## COUNCIL STANDARD DRAWING

SD 110, SD 110A Junction pit.

## CROSS REFERENCE DOCUMENT

- See Merri-bek Specifications: Section 60 & 80 Vic Roads Specifications: Section 701, Section 702,
- Further reference: Urban Stormwater: Best Practice Environmental Management Guidelines; CSIRO Publishing.

## STANDARD SPECIFICATION

**Concrete:** Strength 25 MPa, unless stated otherwise.

**Cover:** Cover shall be Class B Lightweight Composite pit cover compliant to AS 3996-2019.

**Colour:** The colour of the Lightweight Composite pit cover should match adjacent surface (i.e. Green for nature strips, grey for concrete paving, charcoal for asphalt).

The Merri-bek City Council Logo should also be embossed on the top of the pit lid.

## SUPPLIER

### Supplier of pit lid covers:

- Access Covers Australia P/L
- R&S Grating P/L
- SVC Products P/L
- Terra Firma Industries P/L
- Gatic P/L or approved similar

## MAINTENANCE

**Street Cleansing Unit:** Cleaning will be undertaken as per current schedule.

## GENERAL NOTES

1. Pits shall be cast monolithically. Cement render shall only be used to repair defects.
2. Pits over 2m in depth shall have F72 reinforcing fabric placed centrally in walls.
3. Pit located behind semi-mountable kerb shall have medium duty cover.
4. In street with bluestone k&c, asphalt or charcoal coloured concrete footpath, any exposed concrete shall be charcoal coloured.
5. Pits located in road pavement areas be Class D Cast Iron / Ductile Concrete Infill Cover compliant to AS 3996-2019
6. Step irons shall be fitted to pits great than 1 metre in depth (see SD190).
7. Pit covers shall be set in accordance with manufacturer's specification.
8. Minimum internal dimensions to be 900 x 600mm.

# A140.01 Junction Pit

