



DESIGN STATEMENT

The junction pit is a standard urban drainage element throughout Moreland 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 Moreland Specifications: Section 60 & 80 Vic Roads Specifications: Section 701, Section 702,
- Terra Firma Engineering Load Tests Report 14/7/92.
- Further reference: Urban Stormwater: Best Practice Environmental Management Guidelines; CSIRO Publishing.

STANDARD SPECIFICATION

Concrete: Strength 25 MPa, unless stated otherwise.

Cover: Cover shall be Terra Firma (or equivalent) which is lighter and stronger than the conventional concrete cover.

Colour: The colour of Terra Firma pit lids (or similar) should match adjacent surface (i.e. Green for naturestrips, grey for concrete paving, charcoal for asphalt).

The Moreland City Council Logo should also be embossed on the top of the pit lid.

SUPPLIER

Supplier of pit lid covers: Terra Firma Engineering
www.terrafirmapitlids.com or 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 Terra Firma 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 shall have heavy duty frame and cover, e.g., Gatic B145, SVC No.21148 or similar.
6. Step irons shall be fitted to pits greater 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

