



DESIGN STATEMENT

The side entry grated pit is a standard pit detail in the City of Moreland. The open grate is robust in its design and allows a high flow of water into the stormwater mains pipes.

APPLICABLE LOCATION

The side entry grated pit should be used where underground drainage pipes is located under the kerb and channel. The use for the side entry grated pit should be kept to a minimum as the grate tends to collect rubbish.

COUNCIL STANDARD DRAWING

SD 122 Side entry grated pit (for type B k&c), SD 127 Side entry grated pit (for type B k&c) - 0.9m inlet

CROSS REFERENCE DOCUMENT

- Moreland Standard Specifications: Sections 60.03.07 & 80 & also Section 63: Bluestone Pitcher kerb and Channels & B/stone paving. Vic Roads Standard Specifications: Section 701: Underground Stormwater Drains, Section 702: Subsurface Drainage. Further Reference: Urban Stormwater: Best Practice Environmental management Guidelines; CSIRO Publishing.

STANDARD SPECIFICATION

Fixing: Hinged

Concrete: Strength 25 MPa, unless stated otherwise.

Colour: In street with bluestone k& c, lintel and concrete tray shall be in charcoal colour.

Pits: Pits shall be cast monolithically. Cement render shall only be used to repair defects. Pits over 2m in depth shall have F72 reinforcing fabric placed centrally in walls. Step irons shall be fitted to pits greater than 1m in depth (See SD190).

The bluestone channel in the transition sections shall have the same width as the normal section. Size pit to suit outlet pipe (Refer to schedule on detail.)

SUPPLIER

Supplier of grates: Weldlok Grates www.grahamgroup.com.au or similar.

Supplier of lintels: SVC Products P/L. www.svc.net.au or similar.

MAINTENANCE

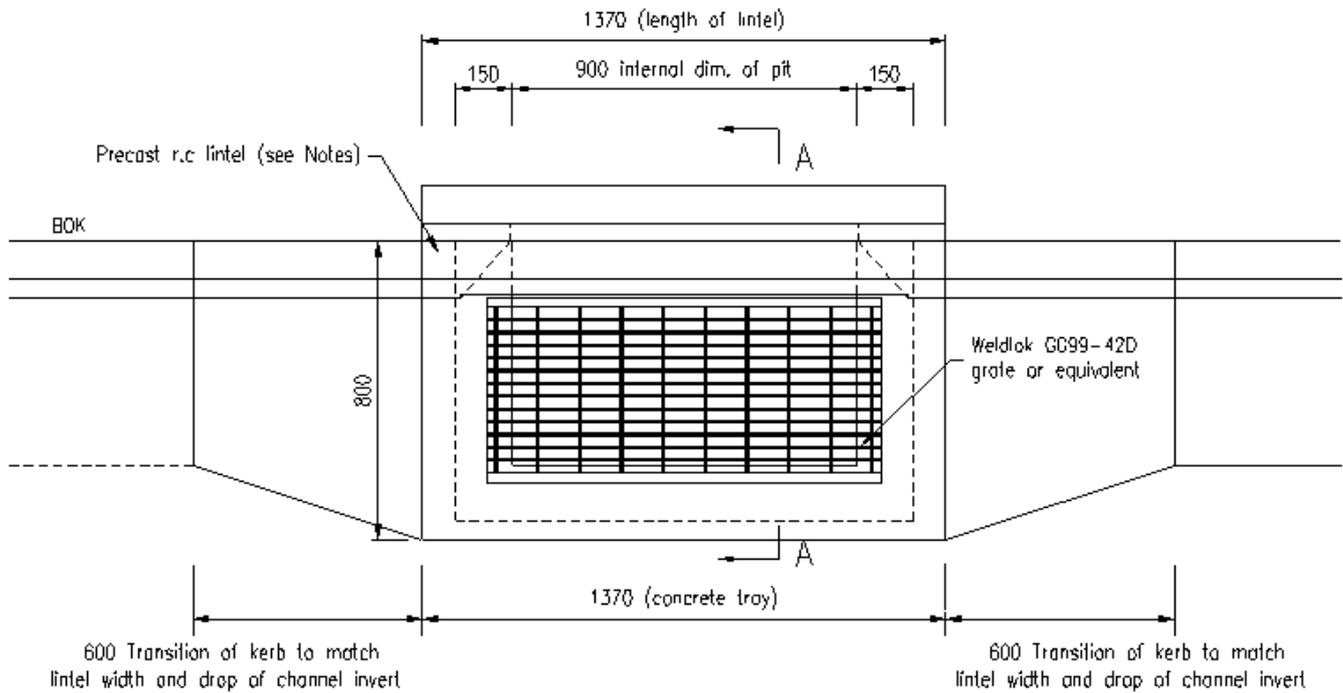
Street Cleansing Unit: Cleaning will be undertaken as per current schedule.

GENERAL NOTES

1. In streets with bluestone k&c, lintel and concrete tray shall be in charcoal colour. Transition sections shall be bluestone at the same width as the normal section.
2. Lintel shall be SVC's type, code 15.370 or similar. This dimension could vary if lintels other than SVC 15.370 are used.
3. Equivalent's grate shall be approved by Council before use. The grate and frame shall be galvanised steel with the grate hinged to the frame.

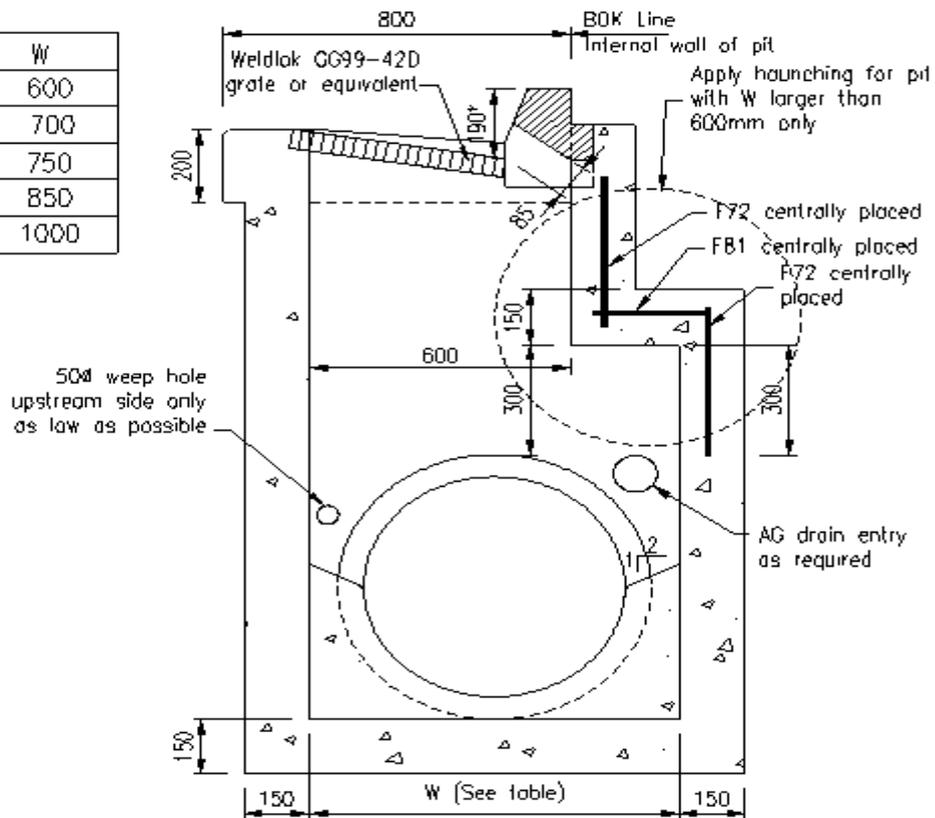


A140.05 Side Entry Grated Pit



PLAN

Pipe ϕ	W
To 375	600
450	700
525	750
600	850
750	1000



SECTION A-A

