

Vehicle Crossing in Concrete with A170.09 Bluestone pitcher channel



DESIGN STATEMENT

Bluestone pitcher channel for concrete crossing shows details of bluestone pitcher channel on a reinforced concrete vehicle crossing.

APPLICABLE LOCATION

Bluestone pitcher channel for concrete crossing should be used for reinforced concrete vehicle crossings where the kerb and channel of the street is in bluestone.

COUNCIL STANDARD DRAWING

SD 265A Details of bluestone pitcher channel for r.c. vehicle crossing.

CROSS REFERENCE DOCUMENT

- AS1428 (Australian Standard for Access & Mobility)
- AS2890.1 – 2004 (Australian Standard for Parking Facilities – Off Street Parking)
- Moreland City Council Standard Specification Section 63 and Section 80.

STANDARD SPECIFICATION

Refer to Notes 1-7 as detailed.

If the existing bluestone pitcher channel is more than 2 pitchers wide, match to existing channel.

SUPPLIER

N/A

MAINTENANCE

Street Cleansing Unit: Channel of vehicular crossing to be cleaned as per current schedule.

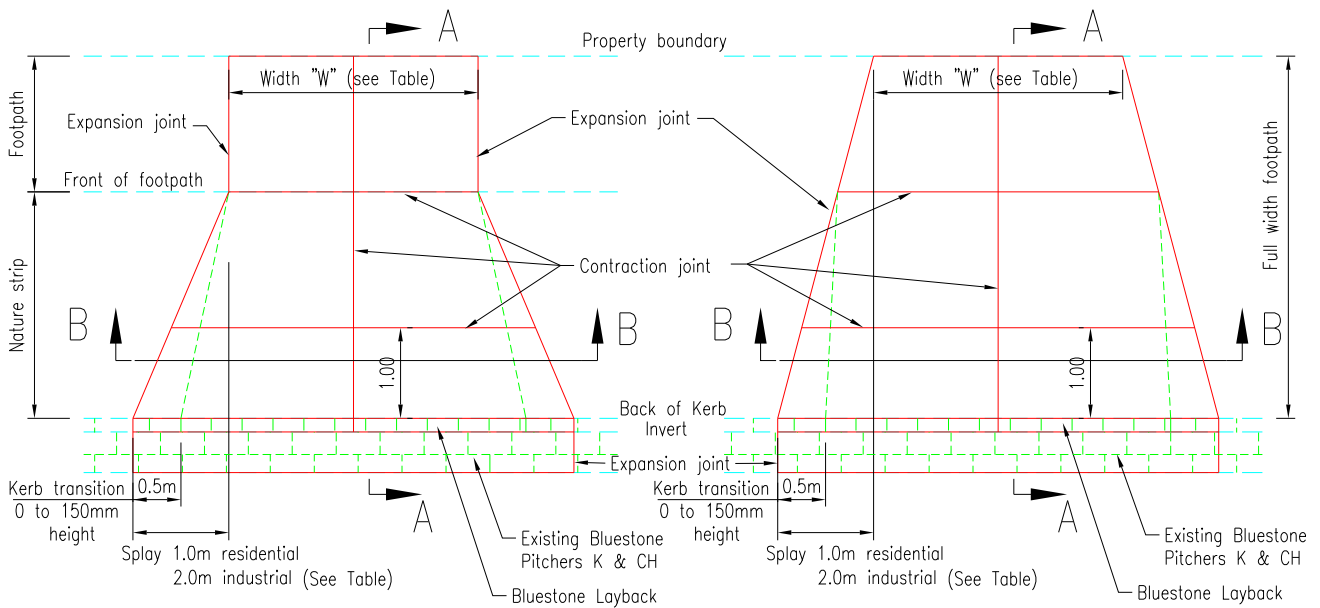
Roads Unit: Channel to be maintained.

Property Owner: The maintenance of vehicle crossings is the responsibility of the property owners.

GENERAL NOTES

1. A Vehicle Crossing Permit is required.
2. This standard drawing is to be used in conjunction with SD 206 and SD 262, SD 263, SD 265 or SD 266.
3. With the exception of the channel section, all other dimensions and details are to be in accordance with SD 206 and SD 262, SD 263, SD 265 and SD 266.
4. The kerb returns of the vehicle crossing are to be in concrete.
5. If the existing channel is more than 2 wide, match the existing channel.
6. Refer to AS2890.1 to ensure vehicles are not scraping.
7. Refer to Road Pavement Reinstatement in Front of New Vehicle Crossing SD 265E.

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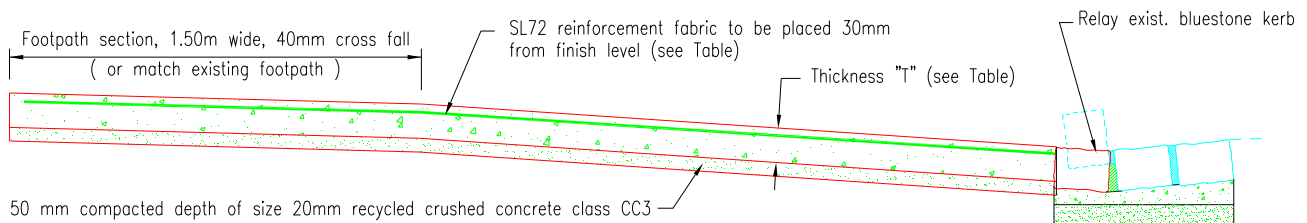


FOOTPATH AND NATURE STRIP

FULL WIDTH FOOTPATH



SECTION B-B



SECTION A-A

	Width W		Splay	Thickness T	Reinforcement
	Min.	Max.			
Residential	3.0m	4.0m	1.0m	125mm	SL72 top
Industrial	3.0m	6.0m	2.0m	175mm	SL72 top & bottom

NOTES:

1. Concrete strength 25 MPa.
2. Contraction joints shall be provide in both directions. maximum spacing 1.5 m.
3. For industrial properties, provide a second SL72 reinforcement fabric at the bottom of the crossing, 30mm cover.
4. Where the new crossing is jointed to an existing crossing, provide ϕ 12mm deformed steel tie bars, 450mm length (225mm each side of the joint), spacing 300mm.

6. Council's inspection officer to have discretion to vary standard, depending on existing street conditions, that is: crossing shape, charcoal colour and the treatment of the street channel.

7. Concrete finish to be stipple, unless otherwise stated. Channel section to be smooth finish.

8. Charcoal colour clause. Charcoal coloured concrete, where specified, shall be by adding "Abilox" black colour powder (or equivalent) into the premix concrete. The rate of powder is 8.3% by weight of cementitious binder (approx. 25 kg of powder per cubic metre of concrete).

9. For splay dimension see table.

10. Kerb transition to be 0.5m.