

# Vehicle Crossing in Concrete Type 1 Reverse Fall A170.02



GENERAL

## DESIGN STATEMENT

Type 1 (reverse fall) concrete vehicle crossings have been superceded. All new vehicle crossings must use Type 2 or 3 (reverse fall) standards.

This standard is to be used only when reinstating an old type vehicle crossing.

## APPLICABLE LOCATION

This standard is to be used only when reinstating an old type vehicle crossing.

## COUNCIL STANDARD DRAWING

SD 263 Type 1 r.c vehicle crossing ( k&c type B & SM2) – Reverse fall

## CROSS REFERENCE DOCUMENT

- AS 1428 (Australian Standard for Access and Mobility).
- AS 2890.1-2004 (Australian Standard for Parking Facilities- Off Street Parking).
- Moreland City Council Specifications: Sections 61 & 80.

## STANDARD SPECIFICATION

Refer to Notes 1-11 as detailed on the standard specifications. See Cross Reference Documents for relevant specifications.

## 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

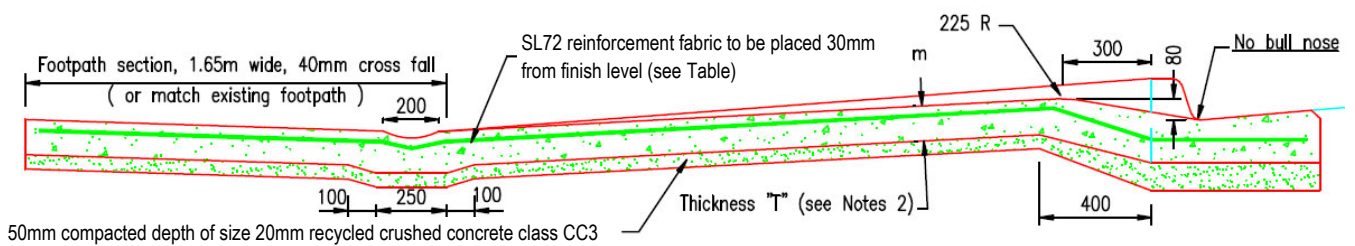
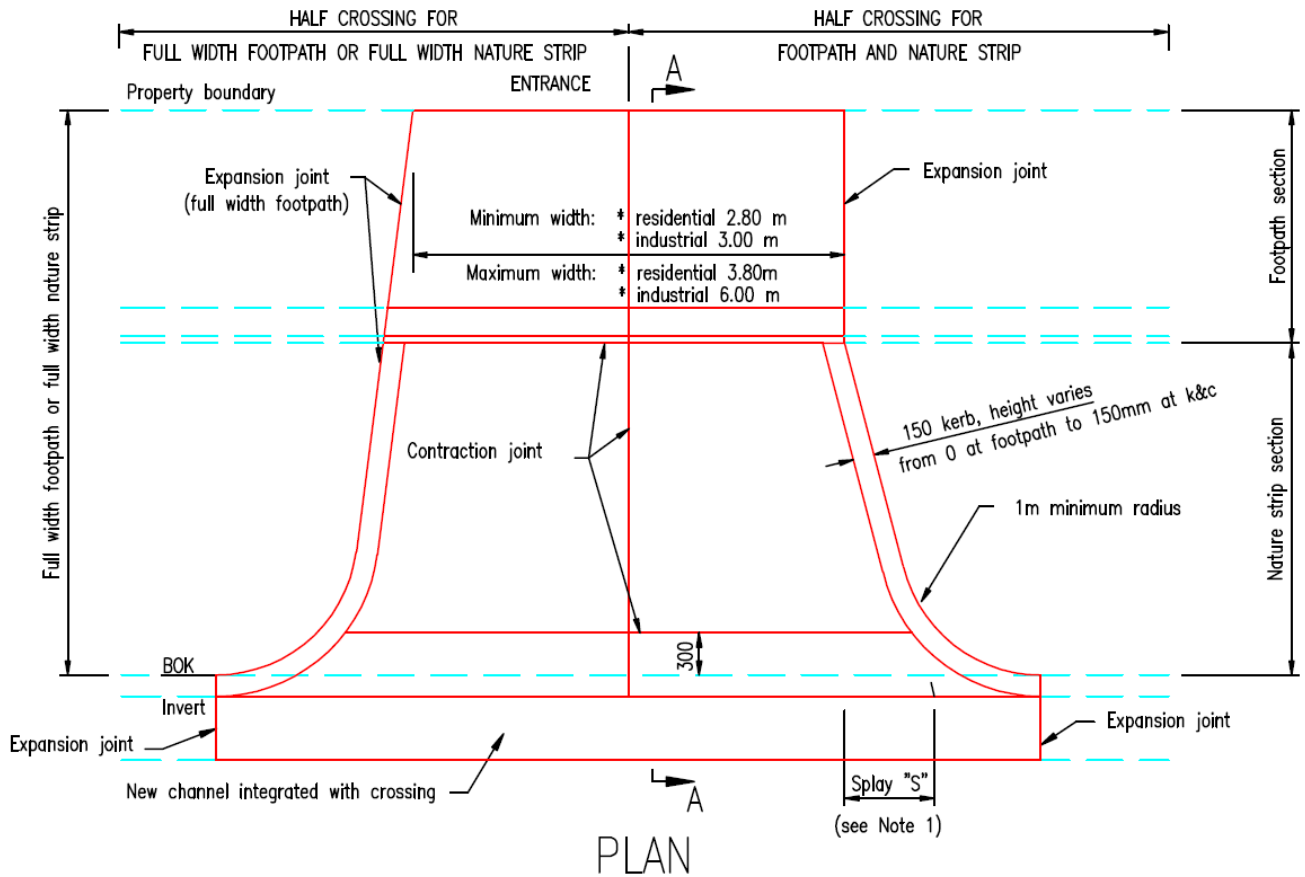
1. A Vehicle Crossing permit is required.
2. Street channel section to be cast integrated with crossing. No bullnose to be constructed.
3. Concrete strength 25 MPa.
4. Contraction joints shall be provided in both directions. Maximum spacing 1.5 m.
5. For industrial properties, provide a second F72 reinforcement fabric at the bottom of the crossing, 30mm cover.
6. Where the new crossing is jointed to an existing crossing, provide  $\varnothing 12\text{mm}$  deformed steel tie bars, 450mm length (225mm each side of the joint), spacing 300mm.
7. 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.
8. 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). Refer to Australian Standards 2890.1 to ensure vehicles are not subject to scraping.
9. To be used on VicRoads Main Roads and Highways as per VicRoads Supplement to the Austroads Guide to Road Design –Part4- Intersections & Crossings-General.
10. Refer to AS2890.1 to ensure vehicles are not scraping.
11. Refer to Road Pavement Reinstatement in Front of New Vehicle Crossing SD 265E.

July 2019



Moreland City Council

# A170.02 Vehicle Crossing in Concrete Type 1 Reverse Fall



SECTION A-A

	Width W		Splay S	Thickness T	Reinforcement
	Min.	Max.			
Residential	2.8m	3.8m	1.0m	125mm	SL72 top
Industrial	3.0m	6.0m	2.0m	175mm	SL72 top & bottom