

# Reinstatement of Trenches to Vehicle Crossings in A101.03 Reinforced Concrete Type 2



## DESIGN STATEMENT

The concrete vehicle crossing is a smooth and continuous surface that is economical, durable and easy to maintain and enables vehicular access from the street to private property. The vehicle crossing provides a smooth transition from the abutting areas (nature strip or footpath) with no steps.

## APPLICABLE LOCATION

The concrete vehicle crossing type 2 should be used where there are concrete footpaths and also where there are in situ concrete kerb and channels and barrier kerb and channels. The vehicular crossing should be graded flush with existing channels and footpaths to create a continuous smooth surface. To be used when trenches are excavated in concrete vehicle crossings.

## COUNCIL STANDARD DRAWING

N/A

## CROSS REFERENCE DOCUMENT

- AS 1428 (Australian Specification and Standard Design for Access and Mobility).
- See Moreland City Council Specifications: Sections 61 & 80.

## STANDARD SPECIFICATION

Refer to Notes 1-7 for the standard specifications.

See Cross Reference Documents for relevant specifications.

Refer to Australian Standard 2890.1 to ensure vehicles are not subject to scraping.

## SUPPLIER

N/A

## MAINTENANCE

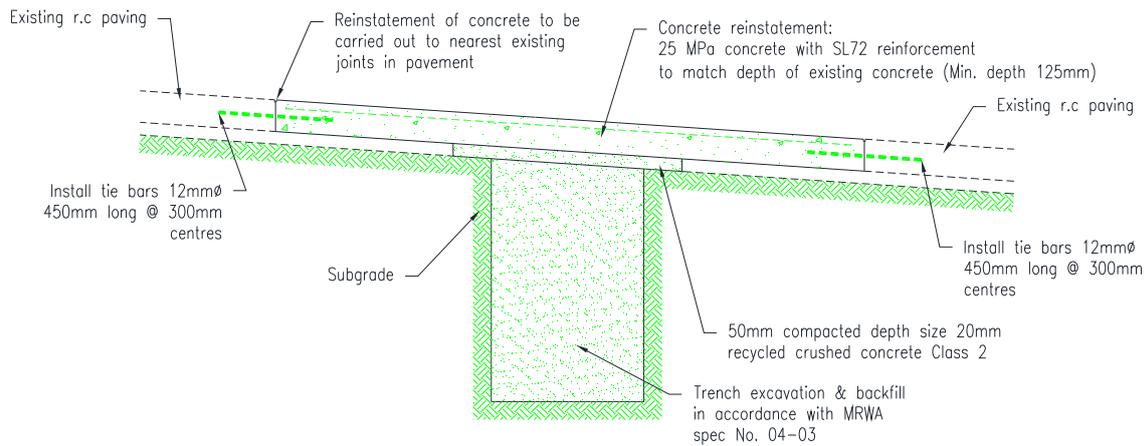
**Street Cleansing Unit:** Channel of vehicular crossing to be cleaned as per current schedule.

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

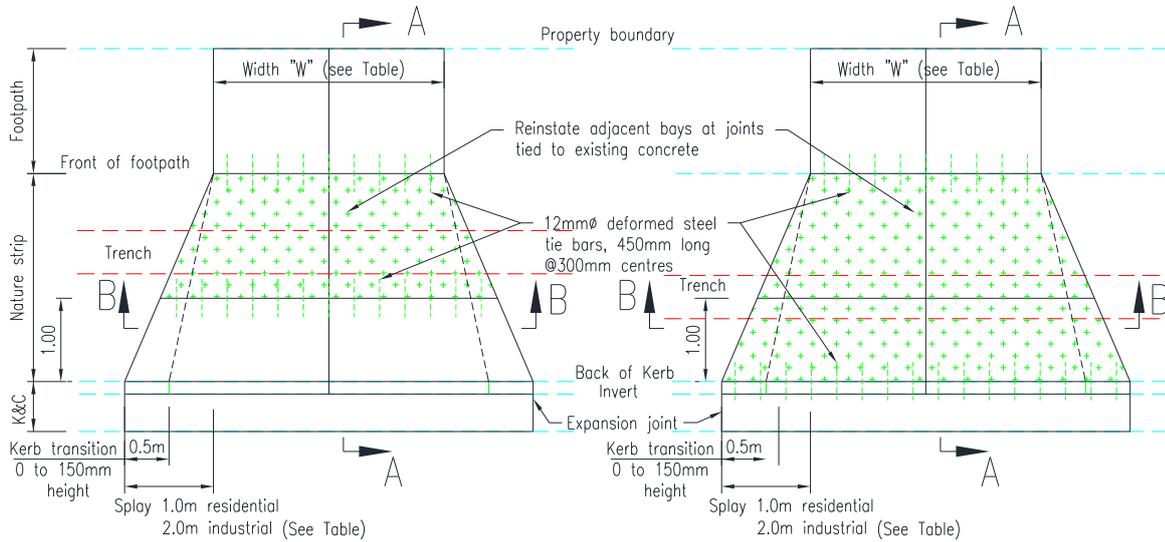
## GENERAL NOTES

1. *Street channel section to be cast integrated with crossing.*
2. *Concrete strength 25 MPa.*
3. *Contraction joints shall be provided in both directions, maximum spacing 1.5m.*
4. *For industrial properties, provide a second F72 reinforcement fabric at the bottom of the crossing, 30mm cover.*
5. *Where the new crossing is jointed to an existing crossing, provide 12mm dia. deformed steel tie bars, 450mm length (225mm each side of the joint), spacing 300mm.*
6. *Council 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. *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).*

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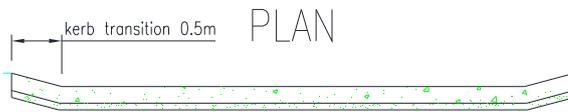


## REINSTATEMENT OF TRENCHES THROUGH PROPERTY VEHICLE CROSSING (SECTION)

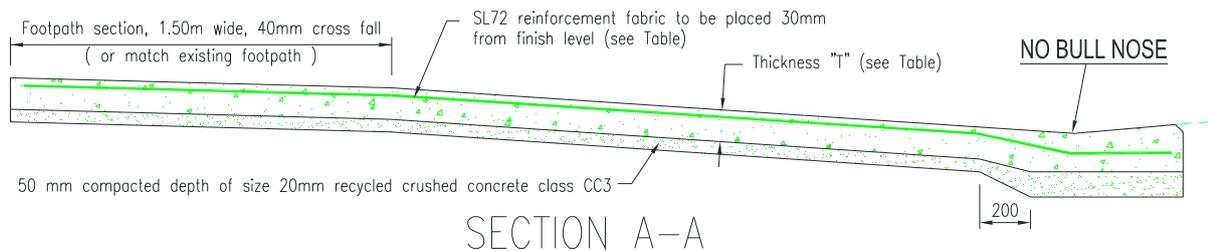


TRENCH ALONG CONCRETE PANELS

TRENCH ALONG JOINTS



SECTION B-B



SECTION A-A

	Width W		Splay S	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