



GENERAL NOTES:

1. A Vehicle Crossing permit is required.
2. Street channel section to be cast integrated with crossing, **NO BULL NOSE TO BE CONSTRUCTED.**
3. Concrete strength 25 MPa.
4. Contraction joints shall be provided in both directions, maximum spacing 1.5m.
5. For industrial properties, provide a second SL72 reinforcement fabric at the bottom of the crossing, 30mm cover.
6. Where the new crossing is jointed to an existing crossing, provide 12mm 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 street channel.
8. Concrete finish to be stipple finish with highlighted joints, unless otherwise stated.
9. Concrete colour to be natural.
10. For splay dimension see table.
11. Kerb transition to be 0.5m.
12. Refer to Australian Standard 2890.1 to ensure vehicles are not subject to scraping.
13. To be used on VicRoads Main Roads and Highways for residential crossovers as per VicRoads Supplement to the Austroads Guide to Road Design –Part 4- Intersections & Crossings-General.
14. Refer to Road Pavement Reinstatement in front of new vehicle crossing SD265E. To be used for Vehicle Crossing and Kerb & Channel reconstruction works for isolated vehicle crossing replacement and all property development works.

REINSTATEMENTS:

1. For reinstatement of footpaths located in shopping strip, Service Utility Representative or Principal Contractor to schedule a meeting with Council Officer by email allowing 48 hours notification.
2. Where an existing section of footpath is to be reinstated, the section to be replaced shall be between existing joints, or with a minimum of length of 1.5m between sawcut lines. The reinstatement section should also extend from the property line to the kerb and channel or as approved by Council. The new concrete finish should follow the specification of "Standard pavement" (Standard concrete mix, brush finish aligned to the direction of the sawcutting). Existing sawcutting lines at 300 mm interval must be reinstated.

DESIGN STATEMENT

The concrete vehicle crossing with linear pattern concrete footpath provides a distinctive feature for Merri-bek's Small Shopping Strips. The pattern indicates pedestrian priority on driveways and provides continuity of the pattern. This technote is based on Type 2 Vehicle Crossing (A170.02) and is applicable for commercial and residential driveways within the shopping strip project boundary (as specified in Council's construction project).

APPLICABLE LOCATION

To be used in Merri-bek small shopping strips' new construction projects.

COUNCIL STANDARD DRAWING

SD 265 Type 2 r.c vehicle crossing (k&c type B & SM2).

CROSS REFERENCE DOCUMENT

- AS 1428 (Australian Specification and Standard Design for Access and Mobility).
- AS2890.1-2004 (Australian Standard for Parking Facilities – Off Street Parking)
- Merri-bek City Council Specifications: Sections 61 & 80.

STANDARD SPECIFICATION

Refer to Notes 1-14 as detailed in general notes. See Cross Reference Documents for relevant specifications.

Linear pattern finish:

- Standard concrete mix, brush finish aligned 90 degrees to the shopfronts alignment.
- The washed finish is achieved by covering the plain concrete on either sides with rubber roller pad of 300mm wide. The surface of the concrete should be washed 24 hours right after the concrete footpath are poured.
- Sawcutting line are applied after the concrete is fully cured with 3mm wide, and at 300mm interval.

SUPPLIER: N/A

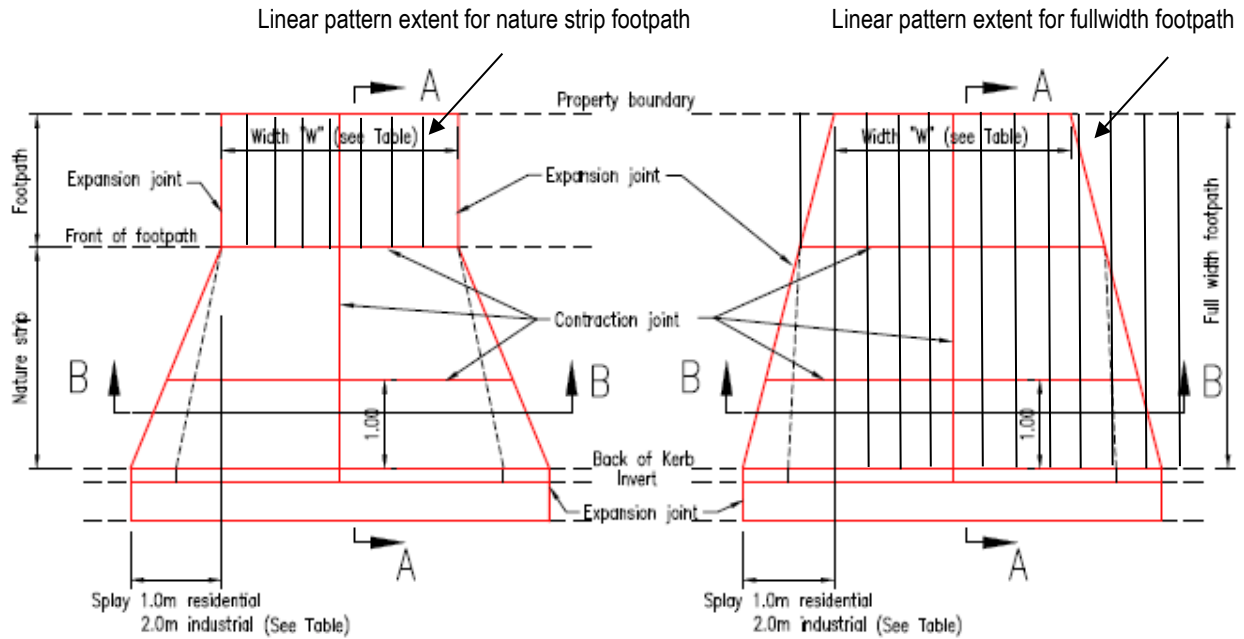
MAINTENANCE

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

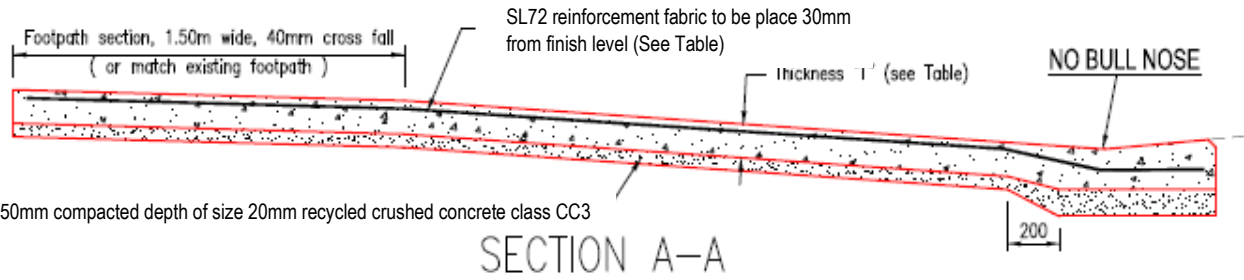
Roads Unit: Channel to be maintained.

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

A170.14 Vehicle Crossing in Concrete Linear Pattern

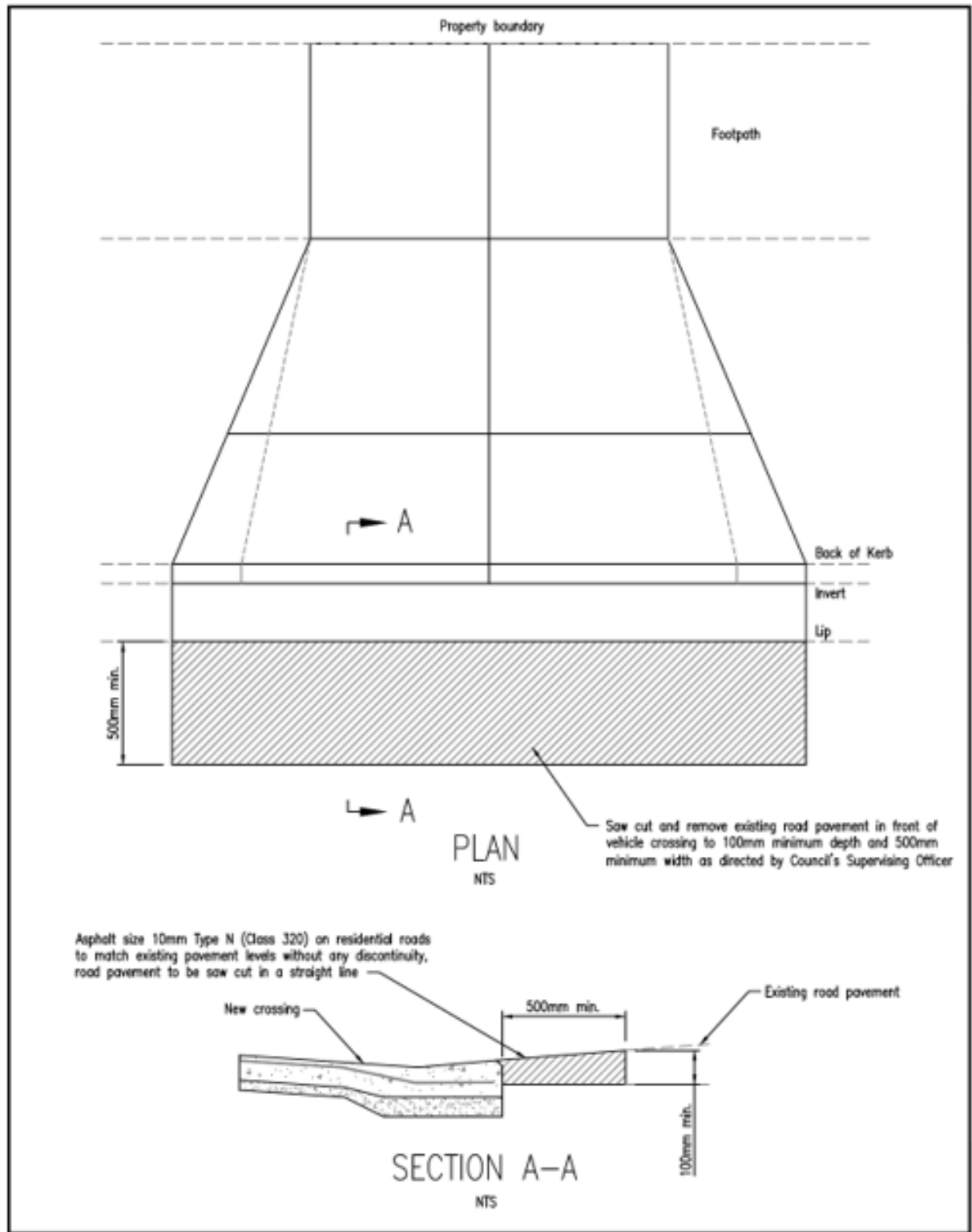


FOOTPATH AND NATURE STRIP PLAN FULL WIDTH FOOTPATH



	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

A170.14 Vehicle Crossing in Concrete Linear Pattern



ROAD PAVEMENT REINSTATEMENT IN FRONT OF NEW VEHICLE CROSSING AND KERB