Vehicle Crossing with Charcoal Concrete Layback and Bluestone Pitcher Kerb & Channel

DESIGN STATEMENT
Vehicle crossing with charcoal concrete layback adjacent to bluestone pitcher kerb and channel. Only to be used where layback in the remainder of the street is concrete layback.

APPLICABLE LOCATION
Charcoal concrete layback crossing should be used for reinforced concrete vehicle crossings where the kerb and channel of the street is in bluestone.

COUNCIL STANDARD DRAWING
SD 265D Details of charcoal concrete layback for reinforced concrete vehicle crossing abutting bluestone pitcher kerb and channel.

CROSS REFERENCE DOCUMENT
- AS1428 (Australian Standard for Access & Mobility).
- Moreland City Council Standard Specification Section 63 and Section 80.

STANDARD SPECIFICATION
Refer to Notes 1-7 as detailed. 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. This standard drawing is to be used in conjunction with 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 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 charcoal concrete layback to the existing bluestone pitcher channel width.
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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NOTES:

1. Street channel section to be cast separately with crossing.
   NO BULL NOSE TO BE CONSTRUCTED. Crossing to be dovetailed into layback.

2. Concrete strength 25 MPa.

3. Construction joints shall be provided in both directions, maximum spacing 1.5m.

4. For industrial properties, provide a second SL72 reinforcement fabric at the bottom of the crossing, 30mm cover.

5. Where the new crossing is jointed to an existing crossing, provide #1.2mm deformed steel bars, 400mm length (220mm each side of the joint), spacing 300mm.

6. Concretes finish to be finished, unless otherwise stated. Channel section to be smooth finish.

7. Charcoal coloured concrete shall be by adding "Clinker" black colour powder (or equivalent) into the premix concrete. The rate of powder is 3.3% by weight of conventional binder (approx. 25 kg of powder per cubic metre of concrete).

8. For splay dimensions see table.

9. Kerb transition to be 0.5m.

10. Similar arrangement for reverse fall vehicle crossing.

July 2019