Reinstatement of Concrete Footpath A101.05

DESIGN STATEMENT

The cast in situ concrete footpath provides pedestrian passage with a uniform surface material with sufficient cross fall and evenness to allow water to run off into the kerb and channel or adjacent open space.

APPLICABLE LOCATION

The concrete footpath should be used in streets with concrete vehicular crossings and in situ concrete kerbs and channels. It should also be used in industrial areas where occasional vehicle loading is anticipated.

COUNCIL STANDARD DRAWING

SD 220 Concrete footpath

CROSS REFERENCE DOCUMENT

- AS 1428.1-1998 (Australian Specification & Standard Design for Access & Mobility). AS 1379 (Australian Specification and Standard supply of Concrete).
- See Merri-bek City Council Standard Specifications: Section 61, Section 80 and Section 82.

STANDARD SPECIFICATION

Grade: All Concrete footpaths should be graded to meet flush with concrete vehicle crossings to ensure maximum ease of walking for pedestrians. The cross fall of concrete footpaths should not exceed 1 in 40. Width/Depth: All Concrete footpaths should be a minimum of 1200mm wide with a smooth nonstop stipple finish and border highlights. Colour: All Concrete footpaths in Urban areas should be plain grey (uncoloured). Joints: Tooled Contraction joints should be a maximum 5mm width and 20mm depth at a minimum of 1500mm centres. Expansion joints should be provided at 15 metre intervals.

SUPPLIER

N/A

GENERAL NOTES

1. *'T' = 100mm with SL52 reinforcement fabric placed at 30m cover.*
   'T' = 125mm with SL72 reinforcement fabric placed at 30mm cover, where footpath abuts kerb and/or kerb & channel, in industrial area.
2. *Provide contraction joints at 1.5m intervals and expansion joints at 15m intervals. The joints to be at right angles to the direction of the footpath unless specified otherwise. Expansion joints shall not have dowels.*
3. *Where an existing section of footpath is to be reinstated, the section to be replaces shall be between existing joints.*
4. *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. 25kg per cubic metre of concrete).*
   Mix: Concrete shall be ready mix in accordance with relevant Australian Standard and shall have a 28 day comprehensive strength of 25 Mpa minimum.

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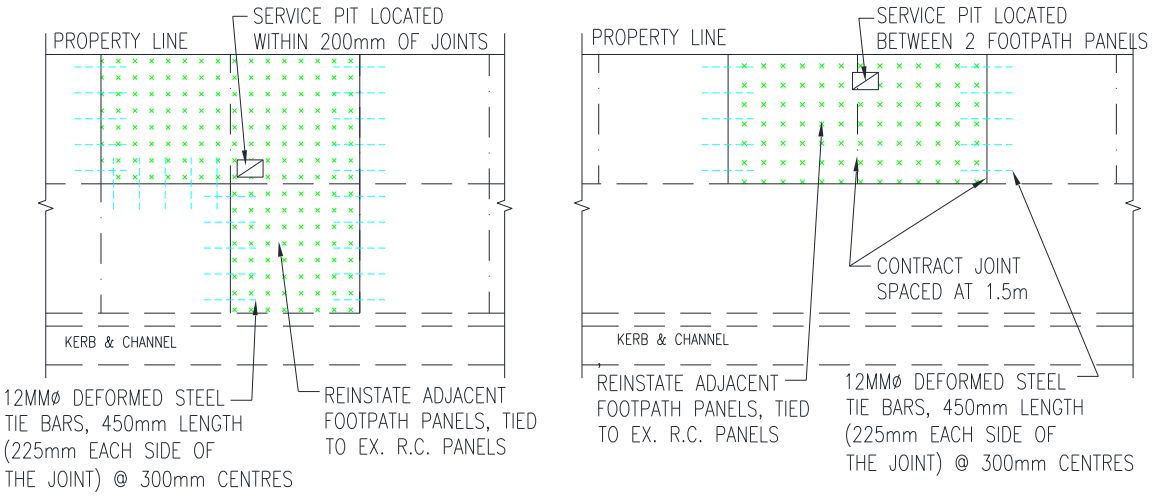
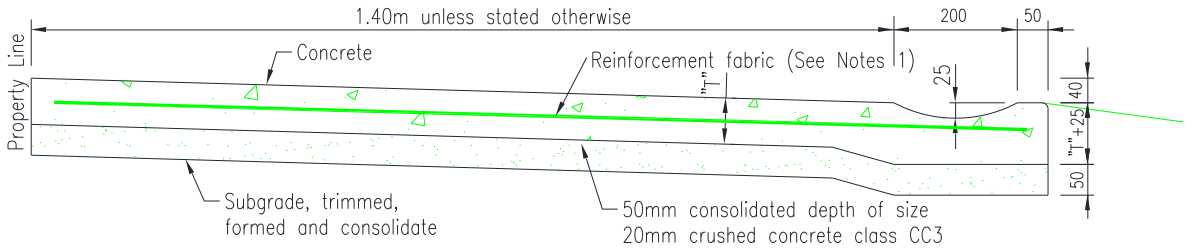


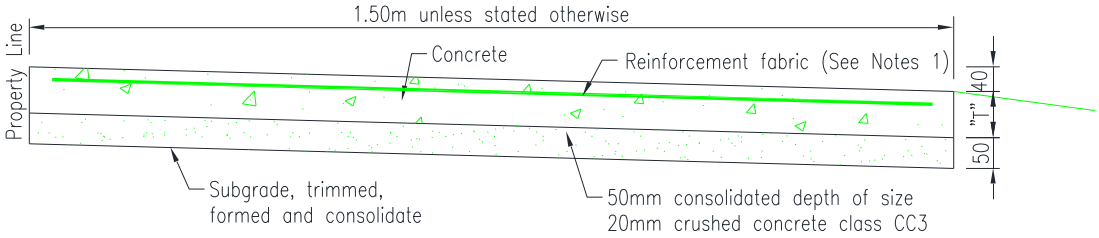
FULL WIDTH FOOTPATH

STANDARD WIDTH FOOTPATH

P L A N



CONCRETE FOOTPATH WITH INTEGRATED SPOON DRAIN



CONCRETE FOOTPATH

CROSS SECTIONS

NOTES:

1. "T" = 100 mm with SL52 reinforcement fabric placed at 30mm cover

"T" = 125 mm with SL72 reinforcement fabric placed at 30mm cover, where footpath abuts kerb and/or kerb&channel, in industrial area.

2. For reinstatement of footpaths located in shopping precincts or of high classified footpaths Service Utility Representative or Principal Contractor to schedule a meeting with Council's Officer by email allowing 48 hours notification.

3. Provide contraction joints at 1.5m intervals and expansion joints at 15m intervals. The joints to be at right angles to the direction of the footpath unless specified otherwise Expansion joint to be Connolly Expansion Joint or approved alternative.

4. Where an existing section of footpath is to be reinstated, the section to be replaced shall be between existing joints.

5. 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. 25kg per cubic metre of concrete)