

Roads

Master Specification

RD-DK-C2 Kerbing

Document Information

K Net Number:	13524212
Document Version:	2
Document Date:	16/09/2019

DEPARTMENT FOR
INFRASTRUCTURE
AND TRANSPORT



Government of South Australia
Department for Infrastructure
and Transport

Document Amendment Record

Version	Change Description	Date	Endorsement record (KNet ref.)
1	Initial issue (formerlyR05)	28/06/19	
2	Formatting for publishing	16/09/19	

Document Management

This document is the Property of the Department for Infrastructure and Transport and contains information that is confidential to the Department. It must not be copied or reproduced in any way without the written consent of the Department. This is a controlled document and it will be updated and reissued as approved changes are made.

Contents

Contents	2
RD-DK-C2 Kerbing	4
1 General	4
2 Installation of Kerbing	4
3 Hold Points	5
4 Verification Requirements and Records	5

RD-DK-C2 Kerbing

1 General

- 1.1 This Part specifies the requirements for the installation of kerbing, which includes kerb and gutter, kerb ramps, property crossovers, median kerb, side drains and dish drains.
- 1.2 The works shall be carried out in accordance with the requirements specified in the Contract Documents or on the drawings.
- 1.3 Any works involving installation or modification of existing private or Council kerbing infrastructure must be undertaken in consultation with the relevant owner of the kerbing infrastructure to ensure that kerbing infrastructure will be installed to a suitable standard.
- 1.4 Documents referenced in this Part are listed below:
- a) AS 1379 Specification and supply of concrete.
 - b) AS1428.1 Design for access and mobility Part 1: General requirements for access – New building work.
 - c) AS 1428.4.1 Design for access and mobility Part 4.1: Means to assist the orientation of people with vision impairment -Tactile ground surface indicators.
- 1.5 The work shall be undertaken in accordance with Table RD-DK-C2 1-1.

Table RD-DK-C2 1-1 Drawings

Drawing		Amendment No.
Drawing No. S-4065:		
Sheet 1	Concrete Channels and Grate	6
Drawing No. S-4070, Kerbing and Property Crossovers:		
Sheet 6	Median and Traffic Island Kerbing: Details	11
Sheet 7	1991 Kerb and Gutter and Property Crossover: Details	4
Drawing No. S-4074, Kerb Ramps:		
Sheet 1	Kerb Ramp	11
Sheet 6	Pedestrian / Cyclist Kerb Ramp	2
Drawing No. S-4076:		
Sheet 1	Corner Island Specification with Cyclist Lane	6
Sheet 2	Corner Island Specification without Cyclist Lane	6

- 1.6 The Department's standard drawings are available from the following web site:
<https://www.dpti.sa.gov.au/standards>.

2 Installation of Kerbing

General

- 2.1 Unless specified otherwise, concrete shall be grade N20 and comply with ST-SC-S1 "Normal Class Concrete". Where slipform concrete is used, the Contractor is responsible for ensuring that the concrete has properties suitable for use with the machinery.
- 2.2 Installation or modification of existing private or Council kerbing infrastructure may require the use of alternative construction methods and materials.

Construction of Kerb & Gutter and Median Kerb

- 2.3 If required, allowance shall be made to accommodate the kerb and gutter within the pavement. Slipform formwork may be used for the construction of kerb and gutter. Median kerb shall be placed using a kerbing machine capable of providing satisfactory compaction of the extruded kerb.

Property Crossovers

- 2.4 Unless specified otherwise, the nominal length of a crossover is 3.0 m (i.e. 1.5 m each side) greater than the width of the driveway at the property boundary. Exact lengths of property crossovers will be determined on site.
- 2.5 At least 7 days' notice shall be given of when such determination is required. Allowance shall be made to accommodate reinforced property crossovers within the pavement.
- 2.6 Where works involve modification or replacement of existing Council crossovers, Council standard vehicle crossover details may apply with respect to cross over lengths and cross sectional profile.

Kerb Ramps

- 2.7 Kerb ramps at intersections shall be constructed of concrete and comply with AS 1428.1 and shall include tactile ground surface indicators complying with AS 1428.4.1.

Dish Drain

- 2.8 Allowance shall be made to accommodate dish drains within the pavement.

Joints

- 2.9 Joints shall be provided at intervals of 3 m maximum and shall be spaced uniformly where practicable. For median kerb Type 1 - 4a, polyethylene inserts shall be placed at 200 m intervals and at every change in horizontal direction. Polyethylene inserts shall be 50 mm thick closed cell polyethylene (as available from BIY Construction Supplies, Wingfield or equivalent approved).

Curing

- 2.10 The finished concrete kerbing shall be immediately sprayed with an accepted curing compound at a uniform application rate in accordance with the manufacturer's specifications. The Contractor shall nominate the curing compound to be used.

Backfill

- 2.11 Backfill of kerb and gutter shall be in accordance with RD-EW-C1 "Earthworks". Backfill to kerbing shall be completed prior to placing base against the kerbing.

Property Drainage Connections

- 2.12 Existing stormwater connections from private properties shall be maintained at all times.

3 Hold Points

- 3.1 There are no Hold Points referenced in this Part.

4 Verification Requirements and Records

- 4.1 The Contractor shall supply written verification that the following requirements have been complied with and supply the verification with the lot package.

Table RD-DK-C2 4-1 Verification Requirements

Document Ref.	Subject	Property	Test Procedure	Test Frequency	Acceptance Limits
2.1 – 2.7	Kerbing: dimensions, level and position	Variation in cross-sectional dimensions	As specified in PC-SI1 "Site Surveys", Sections 6.1 – 6.4	As specified in PC-SI1 "Site Surveys", Table PC-SI1 6 1 Roadworks Compliance	Within \pm 3 mm of specified dimension

Document Ref.	Subject	Property	Test Procedure	Test Frequency	Acceptance Limits
		Variation from specified levels (except for median kerb Type 1)	As specified in PC-SI1 "Site Surveys", Sections 6.1 – 6.4	As specified in PC-SI1 "Site Surveys", Table PC-SI1 6 1 Roadworks Compliance	Within ± 5 mm of specified level; with the proviso that, notwithstanding tolerances, the invert shall not impede the gravity flow of water.
		Misplacement from specified position	As specified in PC-SI1 "Site Surveys", Sections 6.1 – 6.4	As specified in PC-SI1 "Site Surveys", Table PC-SI1 6 1 Roadworks Compliance	Within ± 20 mm of specified position
		Permissible surface irregularities under a 3 m straight edge	As specified in PC-SI1 "Site Surveys", Sections 6.1 – 6.4	As specified in PC-SI1 "Site Surveys", Table PC-SI1 6 1 Roadworks Compliance	Less than ± 3 mm