PART R05

KERBING

CONTENTS

1. GENERAL

.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.

.2 The works must be carried out in accordance with the requirements specified in the **Contract Specific Requirements** or on the drawings.

.3 Documents referenced in this Part are listed below:

AS 1379 Specification and supply of concrete

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

.4 The work must be undertaken in accordance with the following 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

.5 DPTI standard drawings are available from the following web site: http://www.dpti.sa.gov.au/standards.

2. INSTALLATION OF KERBING

General

.1 Unless specified otherwise, concrete must be grade N20 and comply with Part CC26 “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.

Construction of Kerb and Gutter and Median Kerb

.2 If required, allowance must 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 must be placed using a kerbing machine capable of providing satisfactory compaction of the extruded kerb.

Property Crossovers

.3 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.

.4 At least 7 days notice must be given of when such determination is required. Allowance must be made to accommodate reinforced property crossovers within the pavement.

Kerb Ramps

.5 Kerb ramps at intersections must be constructed of concrete and must include tactile ground surface indicators complying with AS 1428.4.1.

Dish Drain

.6 Allowance must be made to accommodate dish drains within the pavement.

Joints

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

Curing

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

Backfill

.9 Backfill of kerb and gutter must be in accordance with Part R10 "Construction of Earthworks". Backfill to kerbing must be completed prior to placing base against the kerbing.

Property Drainage Connections

.10 Existing stormwater connections from private properties must be maintained at all times.

3. VERIFICATION REQUIREMENTS AND RECORDS

.1 The Contractor must supply written verification that the following requirements have been complied with and supply the verification with the lot package.

CLAUSE REF.	SUBJECT	PROPERTY	TEST PROCEDURE	TEST FREQUENCY	ACCEPTANCE LIMITS
2.	Kerbing: dimensions, level and position	Variation in cross-sectional dimensions	As specified in Part CH30 “Survey”	As specified in Part CH30	Within ± 3 mm of specified dimension
		Variation from specified levels (except for median kerb Type 1)	As specified in Part CH30	As specified in Part CH30	Within ± 5 mm of specified level; with the proviso that, notwithstanding tolerances, the invert must not impede the gravity flow of water.
		Misplacement from specified position	As specified in Part CH30	As specified in Part CH30	Within ± 20 mm of specified position
		Permissible surface irregularities under a 3 m straight edge	As specified in Part CH30	As specified in Part CH30	Less than ± 3mm