Land Transport Authority

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CIRCULAR TO PROFESSIONAL INSTITUTIONS AND STATUTORY BOARDS

Who should know

Building owners, developers, contractors, architects, engineers and transport / traffic consultants

Effective Date

1 March 2027

REVISION TO STANDARD DETAILS OF ROAD ELEMENTS (SDRE)

1. This circular is to inform the industry of the latest updates to the Standard Details of Road Elements (SDRE). The revised **SDRE (Revision J)** is issued based on the list of amendments outlined in **Annex A**.

2. The updated SDRE can be downloaded from the LTA website at the following link:

   LTA | Transport Infrastructure Design Criteria & Specifications

3. The updated SDRE will be soft launched on 8 September 2026 and will run in parallel with the current version until 28 February 2027. The current version will be removed from the website on 1 March 2027, upon which the new version of the SDRE will take full effect.

4. For contracts that have been awarded and/or submissions that have obtained Development Control (DC) clearance prior to 1 March 2027, the adoption of the revised SDRE at the Building Plan (BP) submission stage is strongly encouraged. The revisions to the SDRE will not apply to developments that have obtained LTA's BP clearance before the effective date.

5. For any queries regarding this revision, please contact LTA_CRI_Registry@lta.gov.sg.

We would appreciate if you could disseminate the contents of this circular to members of your respective organisations.

Thank you.

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All CORENET X Info subscribers

ANNEX A

S/N	Brief description of changes	Chapter Name	Drawing Numbers
1.	Use of Normal Concrete in Pedestrian Concrete In-Filled Gratings a) Removal of Note 7 and 8	Chapter 4 – Gratings & Manhole Covers	LTA/SDRE14/4/GRA2
2.	Tactile Tiles - Replacement of Homogeneous Ceramic to Fibre-Reinforced Concrete a) Renaming of 'homogeneous tactile tiles' to 'tactile tiles' across Chapters 3 and 21 b) Addition of Note 1: 'Tactile tiles shall be fibre-reinforced concrete.' c) Addition of Note 3: 'The FRC tactile tiles shall be in yellow (RAL 1004) unless otherwise stated.' d) Revision of Note 4 and 5 on tactile tiles compliance standards	Chapter 3- Kerbs & Footpaths	LTA/SDRE14/3/KER5 LTA/SDRE14/3/KER6 LTA/SDRE14/3/KER7 LTA/SDRE14/3/KER9 LTA/SDRE14/3/KER10 LTA/SDRE14/3/KER12
		Chapter 21- Cycling Path	LTA/SDRE14/21/CYC1
3.	Update of Railing Details a) Reduction of gap between vertical members of Type A and Type B railings from 106–107 mm to 100 mm b) Increase in the number of infill vertical members in Type A railings from 10 to 11 c) Specification of pull-out force for stainless steel bolts of railing fixing detail d) Revision of loading requirement from 1.4kN/m to 1.5kN/m for Type A and B railings	Chapter 5 - Railings	LTA/SDRE14/5/RAL1 LTA/SDRE14/5/RAL2
4.	Revision of Road Kerb Details at Parapet a) Inclusion of flaring details for road kerb for plan view of Thrie Beam Transition from W-Beam to Rigid Structure	Chapter 6 - Guardrails	LTA/SDRE14/6/VIG5
5.	Setback of Zebra Crossing at Slip Road a) Inclusion of 6.5m annotation between the give-way line and the zebra crossing line along the slip road	Chapter 8 – Road Markings & Signs	LTA/SDRE14/8/RMS9
6.	Inclusion of Refuge Island at Unsignalised T-junction a) Inclusion of 2.0m refuge island at unsignalised T-junction	Chapter 8 – Road Markings & Signs	LTA/SDRE14/8/RMS9
7.	Update of Table for Sign Support Details a) Additon of details for intermediate sign support sizing, Type B1	Chapter 10 – Support For Road Signs	LTA/SDRE14/10/SUP/1 to SUP3
8.	Inclusion of New Chapter 23 - Typical Junction Layout	Chapter 23 – Typical Junction Layout	LTA/SDRE14/23/TJL1 to TJL9
9.	Update 'General Notes' to Include Clause for Use of SDRE Drawings in DGN format a) Addition of Note 10: 'Where computer aided drawings (CAD) files are provided, users shall verify all information in the downloaded files against the PDF files before use.'	General Notes and Table of Contents	General Notes and Table of Contents