

No. 1 Hampshire Road Singapore 219428
Tel: 1800-2255 582 Fax: (65) 6396 1002

Our Ref: LTA/D21.003.000/VOL.7
DID : 6396 2190

1st September 2025

CIRCULAR TO PROFESSIONAL INSTITUTIONS AND STATUTORY BOARDS

Who should know

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

Effective date

1st March 2026

REVISION TO STANDARD DETAILS OF ROAD ELEMENTS (SDRE)

1. This circular is to inform the industry on the latest update to the Standard Details of Road Elements (SDRE). This set of **SDRE Revision H** is issued based on the list of changes listed in **Annex A**.
2. Please download the updated **SDRE (Revision H)** from LTA website via the following link:

[LTA | Transport Infrastructure Design Criteria & Specifications](#)
3. The updated SDRE will be soft launched on 8th September 2025 and will be in place until 28th February 2026. The current version will be removed from website on 1st March 2026 and the new version of the SDRE will take effect from the same date.
4. Contracts that have been awarded and/or submissions that have obtained the Development Control (DC) clearance prior to 1st March 2026 are encouraged to comply with the changes to SDRE at the Building Plan (BP) submission stage. The changes to SDRE will not apply to developments that have obtained LTA's BP clearance prior to the effective date.

5. Please email LTA_CRI_Registry@lta.gov.sg on any queries pertaining to this revision of SDRE.

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

Thank you.



Roh Seung Jun, Justin
Deputy Director
Road Design & Infrastructure Analytics Division
Infrastructure Design & Engineering Group
Land Transport Authority

Distribution List (via email)

President Singapore Institute of Architects	info@sia.org.sg
President Association of Consulting Engineers Singapore	secretariat@aces.org.sg
President Singapore Contractors Association Ltd (SCAL)	enquiry@scal.com.sg
President Institution of Engineers, Singapore	ies@iesnet.org.sg
President Real Estate Developers' Association of Singapore (REDAS)	redas_secretariat@redas.com
President Board of Architects, Singapore	boarch@singnet.com.sg
Registrar Professional Engineers Board, Singapore	registrar@peb.gov.sg
Group Director Development Control, URA	goh_chin_chin@ura.gov.sg
Group Director Development Services, URA	choo_chai_foong@ura.gov.sg
Group Director Physical Planning, URA	yvonne_lim@ura.gov.sg
Group Director Building Quality Group, HDB	Gan_Kim_Hong@hdb.gov.sg.
Group Director Building Plan & Management Group, BCA	Darren_LIM@bca.gov.sg
Director Urban Planning & Architecture Division JTC Corporation (JTC)	tang_hsiao_ling@jtc.gov.sg
Director Infrastructure Projects Division JTC Corporation (JTC)	brian_koh@jtc.gov.sg
Chief (Sport Infrastructure Group) Sports Singapore	lim_hong_khiang@sport.gov.sg

Group Director Parks Development Division, NParks	kartini_omar- hor@nparks.gov.sg
Director Hawker Centres Group, NEA	andrew_LOW@nea.gov.sg
Director Division of Public Cleanliness, NEA	tai_ji_choong@nea.gov.sg
Director Centralised Services Department Public Utilities Board	James_KOH@pub.gov.sg
Director Catchment & Waterways Department Public Utilities Board	yeo_keng_soon@pub.gov.sg

All CORENET e-Info subscribers

SN	Brief Description of Changes	Chapter and Name	Drawing Numbers
1	Updated rebar annotation from 'T' to 'H'	Chapter 2 - Drains & Culverts	LTA/SDRE14/2/DRA2 LTA/SDRE14/2/DRA4
		Chapter 6 - Guardrails	LTA/SDRE14/6/VIG3 LTA/SDRE14/6/VIG8
		Chapter 14 - Bollards	LTA/SDRE14/14/BOL1 LTA/SDRE14/14/BOL3 LTA/SDRE14/14/BOL5
2	<p><u>LTA/SDRE14/3/KER4C, LTA/SDRE14/3/KER5D, LTA/SDRE14/3/KER6D and LTA/SDRE14/11/BUS4D</u> Updated WSFR A5 to WSFR A6</p> <p><u>LTA/SDRE14/3/KER11</u></p> <p>a. Updated WSFR A5 to WSFR A6 and included PFRC and GFRP as an alternative to WSFR A6</p> <p>b. <u>Updated Note No.3:</u> Concrete cover for WSFR and Glass Fibre Reinforced Polymer (GFRP) shall be 45mm.</p> <p>c. <u>Added Note No.5:</u> Polymer Fibre Reinforced Concrete (PFRC) and GFRP shall be used as an alternative to WSFR A6.</p>	Chapter 3 - Kerbs & Footpaths	LTA/SDRE14/3/KER4C LTA/SDRE14/3/KER5D LTA/SDRE14/3/KER6D LTA/SDRE14/3/KER11
		Chapter 11 - Bus Stops	LTA/SDRE14/11/BUS4
3	<p><u>LTA/SDRE14/3/KER7</u></p> <p>a. Revised drawing to scale</p> <p>b. Added 'Corner kerb to be flushed for area less than 4m²'</p> <p>c. Added minimum radius for R1, R2 and R3 at traffic island</p> <p>d. <u>Added Note No. 2:</u> 'Top slab of closed drain within traffic island should be lower than the carriageway level.'</p> <p><u>LTA/SDRE14/3/KER12</u></p> <p>a. Revised drawing to scale</p> <p>b. Added 'Corner kerb to be flushed for area less than 5m²'</p> <p>c. Updated development length at corner kerb length to min. 5m</p> <p><u>LTA/SDRE14/8/RMS9</u></p> <p>a. Added 'Corner kerb to be flushed for area less than 4m²'</p> <p>b. Removed notes:</p> <p>i. 1 and 2 as details are provided in Drawing No.: RMS1 – Lane Markings</p> <p>ii. Removed note 3 on stop line as it is not a standard detail</p>	Chapter 3 - Kerbs & Footpaths	LTA/SDRE14/3/KER7 LTA/SDRE14/3/KER12
		Chapter 8 - Road Markings & Signs	LTA/SDRE14/8/RMS9 LTA/SDRE14/8/RMS10

SN	Brief Description of Changes	Chapter and Name	Drawing Numbers
	<p>c. Combined current notes 5 and 6 on zig zag markings into new note 2</p> <p>d. <u>Added Note No.8:</u> ‘Minimum separation of 1m shall be provided between pedestrian crossing and edge of yellow box.’</p> <p><u>LTA/SDRE14/8/RMS10</u></p> <p>a. Removed Inset A as revised details shown in Chapter 3 - Kerbs & Footpaths</p>		
4	<p>Inclusion of bicycle parking boxes at bus stop</p> <p><u>LTA/SDRE17/21/CYC7 and LTA/SDRE17/21/CYC8</u></p> <p>a. Included bicycle parking box placement</p> <p>b. <u>Added Note No.1:</u> ‘The location of bicycle parking box is indicative. For details of bicycle parking box, refer to LTA Design Criteria.’</p>	Chapter 21 - Cycling Path	LTA/SDRE17/21/CYC7 LTA/SDRE17/21/CYC8
	<p><u>LTA/SDRE14/11/BUS1</u></p> <p>a. Included bicycle parking box placement</p> <p>b. Revised drawing title from ‘Bus Bay’ to ‘Bus Stop Layout’</p> <p>c. Updated name of detail to ‘Typical Road Edge Rounding’</p> <p>d. Added caption for ‘Length of Stopping Area’</p>	Chapter 11 - Bus Stops	LTA/SDRE14/11/BUS1
5	<p>Revision to bus stop details</p> <p><u>LTA/SDRE14/11/BUS2</u></p> <p>a. Bus stop details rearranged for clarity, and some details shifted to other drawings within the same chapter</p> <p>b. Revised drawing title from ‘Bus Bay / Layby for Authorised Vehicles’ to ‘Bus Stop Section and Details’</p> <p>c. Added expansion joint detail previously shown in Drawing No.: BUS3</p>	Chapter 11 - Bus Stops	LTA/SDRE14/11/BUS2 LTA/SDRE14/11/BUS3 LTA/SDRE14/11/BUS5
	<p><u>LTA/SDRE14/11/BUS3</u></p> <p>a. Revised drawing title from ‘Bus Bay Details’ to ‘Catch Basin’</p> <p>b. Shifted expansion joint detail to Drawing No.: BUS2</p> <p><u>LTA/SDRE14/11/BUS5</u></p> <p>a. Revised Note No.3: ‘All aluminum elements shall be in powder coated finish.’</p> <p>b. Revised Note No.4: ‘50% (nearest whole number) of all seats shall be provided with arm and back rests.’</p> <p>c. Revised bus stop shelter size to meet minimum requirements to accommodate 3-door buses</p> <p>d. Included the rain screen avoid confusion; rain screen is required when there is no footpath connecting to the bus stop shelter.</p>	Chapter 12 - Planting Requirement	LTA/SDRE14/12/PNR2

SN	Brief Description of Changes	Chapter and Name	Drawing Numbers
	<u>LTA/SDRE14/12/PNR2</u> Shifted the drawing for 'Layby for Authorised Vehicles' from Chapter 11 (Bus Stops) to Chapter 12 (Planting Requirements)		
6	<u>Added Note No. 4:</u> 'For pavement requirements at traffic junctions leading directly into bus interchanges and bus terminals, refer to LTA Design Criteria.'	Chapter 1 - Pavements of Roads	LTA/SDRE14/1/PAV2
7	Updated details of VIG at sidetable to sync with elevation details for clarity	Chapter 6 - Guardrails	LTA/SDRE14/6/VIG8