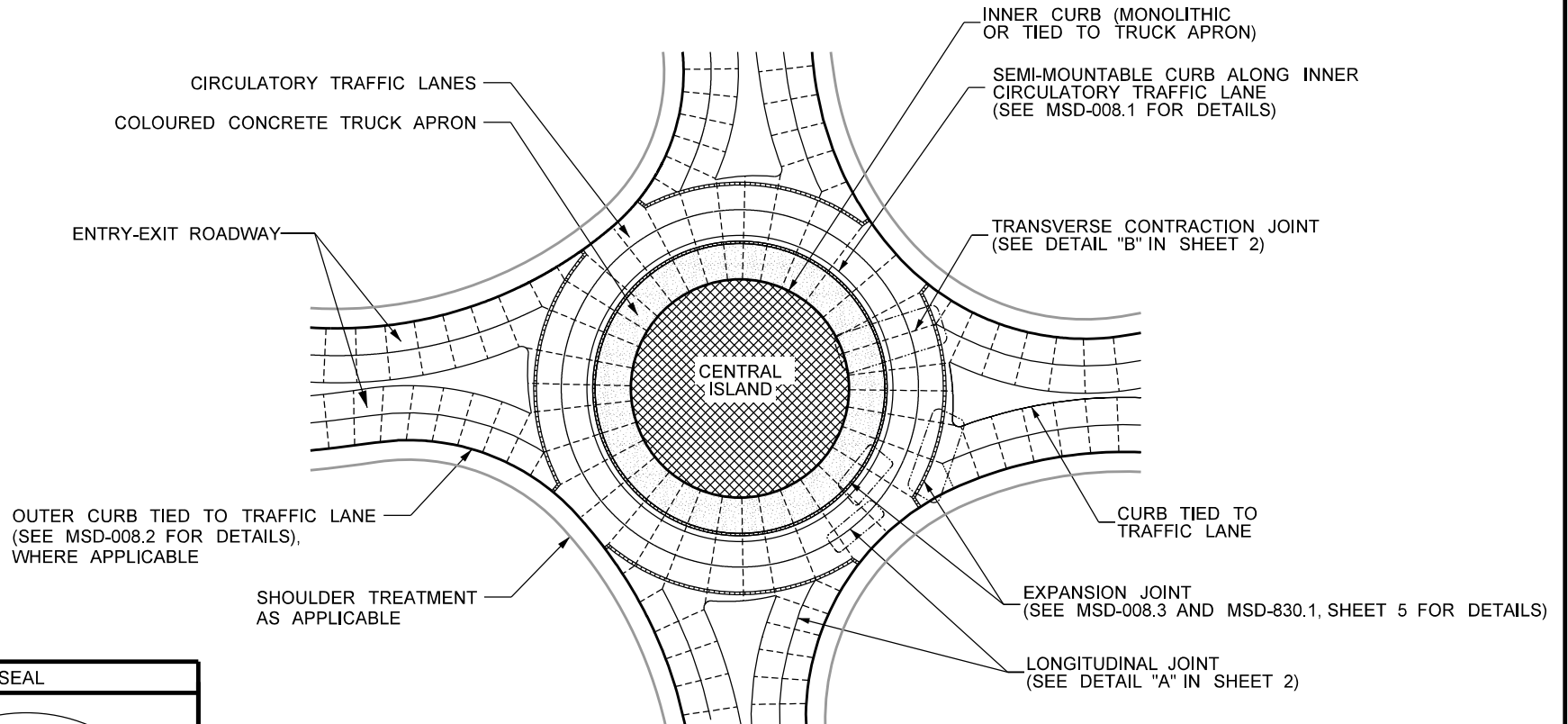


NOTES:

1. DRAWINGS ARE SHOWN FOR ILLUSTRATION ONLY. ACTUAL CONFIGURATION WILL VARY DEPENDING ON ROUNDABOUT GEOMETRY AT EACH SITE.
2. LENGTH OF CONCRETE PANEL IN DIRECTION OF TRAVEL = $20 \times T$ (4500 MAX.); PANEL WIDTH SHALL BE ≤ 4300 .
3. ASPECT RATIO BETWEEN PANEL WIDTH AND LENGTH = 1.25 (MAX.).
4. A LONGITUDINAL JOINT MAY BE REQUIRED AT THE CENTRE OF TRUCK APRON AND MEDIANS DEPENDING ON THE PANEL WIDTH AND CONFIGURATIONS.
5. TRANSVERSE JOINTS IN TRUCK APRON, CURBS, MEDIANS, AND SIDEWALKS SHALL ALIGN WITH TRANSVERSE JOINTS IN TRAFFIC LANES.
6. NO ANGLE AT ANY CORNER OF CONCRETE PANEL SHALL BE $< 60^\circ$ (DESIRED 70° MIN.).



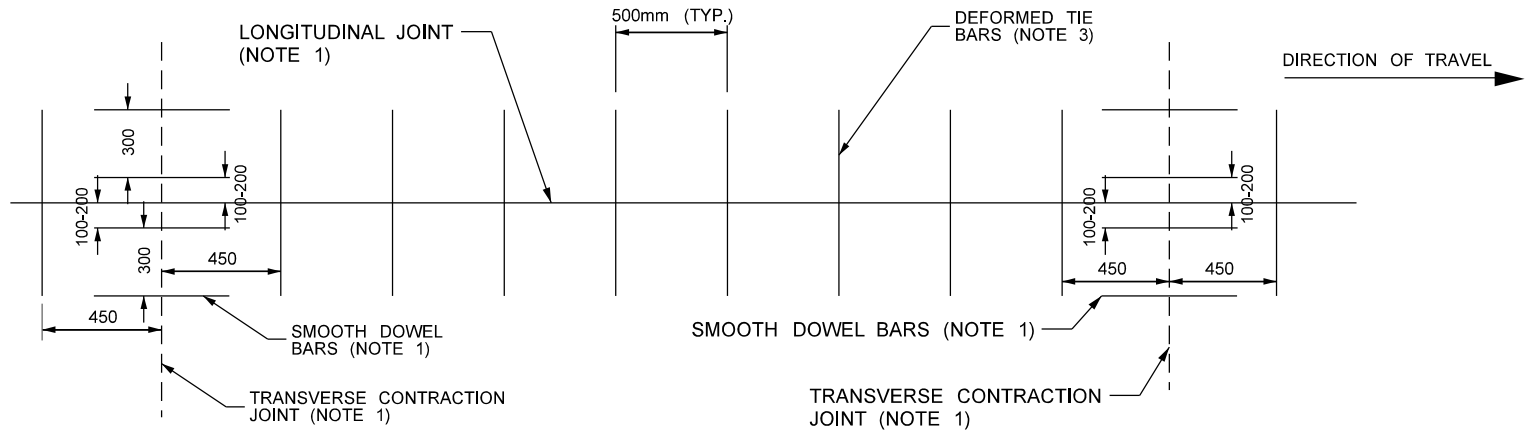
ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS SPECIFIED OTHERWISE

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March 31, 2026

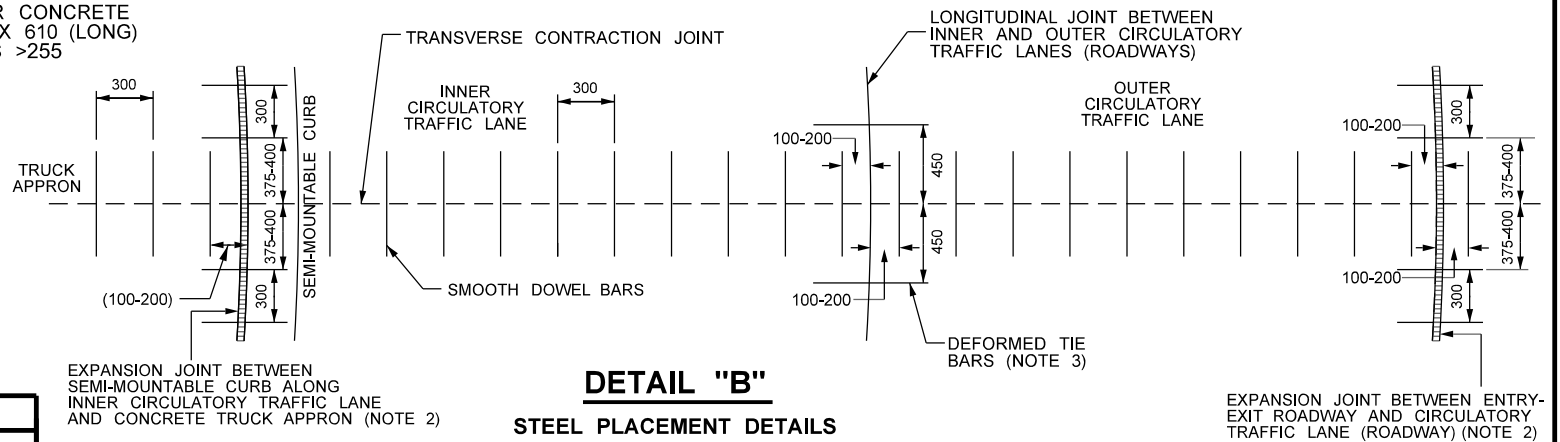
APPROVALS	REVISIONS				MANITOBA STANDARD DRAWING	
ORIGINAL SIGNED BY: <u>DUSTIN BOOY</u> EXECUTIVE DIRECTOR OF HIGHWAY ENGINEERING SERVICES ORIGINAL SIGNED BY: <u>TARA LISKE</u> EXECUTIVE DIRECTOR OF REGIONAL OPERATIONS	No.	DESCRIPTION	BY	DATE	DATE	JOINTING DETAILS FOR CONCRETE PAVEMENT ROUNDABOUT
	△				MARCH 2026	
	△				SCALE SHEET N.T.S. 1 OF 2	
					MSD - 830.4	



DETAIL "A"
STEEL PLACEMENT DETAILS
FOR CIRCULAR LONGITUDINAL JOINTS

NOTES:

1. FOR CONCRETE JOINT, STEEL AND SAW CUT DETAILS, REFER TO MSD-830.1, SHEETS 2, 3 AND 4
2. FOR DETAILS OF EXPANSION JOINTS, REFER TO MSD-830.1, SHEET 5
3. 15M (DIA) X 610 (LONG) FOR CONCRETE THICKNESS ≤255. 20M (DIA) X 610 (LONG) FOR CONCRETE THICKNESS >255



DETAIL "B"
STEEL PLACEMENT DETAILS
FOR TRANSVERSE CONTRACTION JOINTS

ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS SPECIFIED OTHERWISE

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March 31, 2026

APPROVALS	REVISIONS				MANITOBA STANDARD DRAWING	
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					MARCH 2026	
					SCALE	SHEET
					N.T.S.	2 OF 2
					MSD - 830.4	