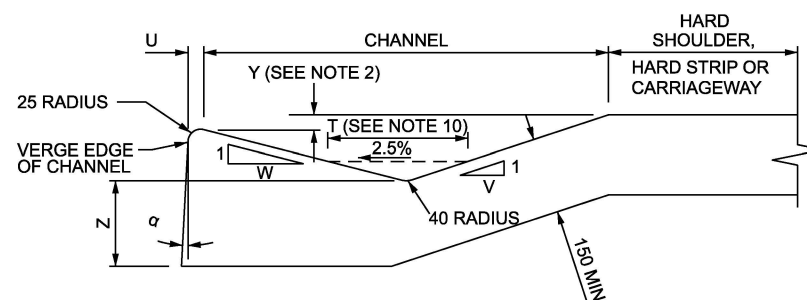


**TYPE A**  
(CHANNEL CAST BEFORE OR AFTER PAVEMENT CONSTRUCTION)  
(DRAWN TO SUIT VERGE LOCATION)



**TYPE B**  
(CHANNEL CAST IN ONE WITH THE PAVEMENT)  
(DRAWN TO SUIT CENTRAL RESERVE LOCATION)

**NOTES :**

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. DIMENSIONS T,U,V,W,X,Y & Z SHALL BE AS DESCRIBED IN APPENDIX 5/ 3. THE DIMENSION Y IS THE DIFFERENCE IN LEVEL BETWEEN THE VERGE EDGE OF THE CHANNEL AND THE LEVEL OF THE CARRIAGEWAY, HARD SHOULDER OR HARD STRIP ADJACENT TO THE CHANNEL. DIMENSION Y IS +VE WHEN THE CARRIAGEWAY EDGE OF THE CHANNEL IS ABOVE THE VERGE EDGE. DIMENSION Y IS -VE WHEN THE CHANNEL IS BELOW THE VERGE EDGE.
3. THE EDGES OF THE CHANNEL SHOULD BE APPROXIMATELY VERTICAL BUT ANGLE  $\alpha$  MAY LIE BETWEEN 0' AND 5' FOR EASE OF SLIPFORMING.
4. CHANNEL TYPE B SHALL BE USED WHEN THE CARRIAGEWAY AND CHANNEL ARE SLIPFORMED SIMULTANEOUSLY. TYPE B CHANNELS SHALL BE DEEMED A CONTINUATION OF THE CARRIAGEWAY SLAB AND SHALL BE REINFORCED ACCORDINGLY. CONCRETE TO TYPE B CHANNELS SHALL BE AS SPECIFIED FOR THE CARRIAGEWAY SLAB. TYPE B CHANNELS SHALL HAVE TRANSVERSE JOINTS OF THE SAME TYPE AND SPACING AS IN THE CARRIAGEWAY SLAB, SEALED IN ACCORDANCE WITH CLAUSE 1016 AND 1017.
5. CONCRETE TO TYPE A CHANNEL SHALL COMPLY WITH CLAUSE 1103 AND SHALL BE A DESIGNED MIX, STRENGTH CLASS C28/35 TO IS EN 206-1.
6. CONTRACTION JOINTS IN TYPE A CHANNELS SHALL BE SAWN OR WET FORMED. SAWN JOINTS SHALL BE CUT TO A MINIMUM DEPTH OF 25mm BELOW THE CHANNEL INVERT OR TO A MINIMUM DEPTH OF ONE QUARTER OF THE CHANNEL SECTION WHICHEVER IS THE GREATER. WET FORMED JOINTS SHALL BE CUT INTO THE CONCRETE WHILST IT IS STILL PLASTIC WITH A SHARP STEEL TROWEL TO SEPARATE COARSE AGGREGATE PARTICLES OVER NOT LESS THAN TWO THIRDS OF THE CROSS-SECTION AREA AND FINISHED USING A KEELED TROWEL OR EQUIVALENT TOOL, TO FORM A TAPERED SEALING GROOVE, NOT LESS THAN 13mm IN WIDTH AT THE SURFACE, TAPERING TO NOT LESS THAN 5mm AT A DEPTH OF 25mm.
7. THE SPACING OF THE CONTRACTION JOINTS IN TYPE A CHANNELS SHALL BE 5000mm. WHEN REQUIRED BY CLAUSE 1103 EXPANSION JOINTS SHALL BE FORMED AT SPACINGS NOT EXCEEDING 4000mm IN ACCORDANCE WITH CLAUSE 1009. JOINTS SHALL BE SEALED IN ACCORDANCE WITH CLAUSE 1016 AND 1017.
8. SEALING STRIP IS REQUIRED WHEN TYPE A CHANNELS ARE USED WITH RIGID CARRIAGEWAY CONSTRUCTION AND SHALL BE IN ACCORDANCE WITH CLAUSE 1014.
9. THE 40mm FLAT SHOW ON THE EDGE OF THE TYPE A CHANNEL IS INTENDED TO MINIMISE DAMAGE WHEN THE ADJACENT PAVEMENT LAYERS ARE BEING COMPACTED.
10. TYPE A AND TYPE B CHANNELS INDICATE PROFILES OF TRIANGULAR SURFACE WATER CHANNELS IN SOLID LINES, BROKEN LINES OF WIDTH T AT CROSSFALL 2.5% DENOTE BASE PROFILE OF TRAPEZOIDAL SURFACE WATER CHANNEL.

NOT TO SCALE

	ACTIVITY	PUBLICATION TITLE								
		EDGE OF PAVEMENT DETAILS CROSS SECTION OF CONCRETE SURFACE WATER CHANNEL								
STREAM	HISTORICAL REFERENCE	DOCUMENTATION SET	PUBLICATION DATE	PUBLICATION NUMBER						
STANDARD CONSTRUCTION DETAILS (SCD)	RCD/500/22	STANDARDS	FEBRUARY 2024	<table border="1"> <tr> <td>ACTIVITY</td> <td>STREAM</td> <td>DRAWING NUMBER</td> </tr> <tr> <td>CC</td> <td>SCD</td> <td>00522</td> </tr> </table>	ACTIVITY	STREAM	DRAWING NUMBER	CC	SCD	00522
ACTIVITY	STREAM	DRAWING NUMBER								
CC	SCD	00522								