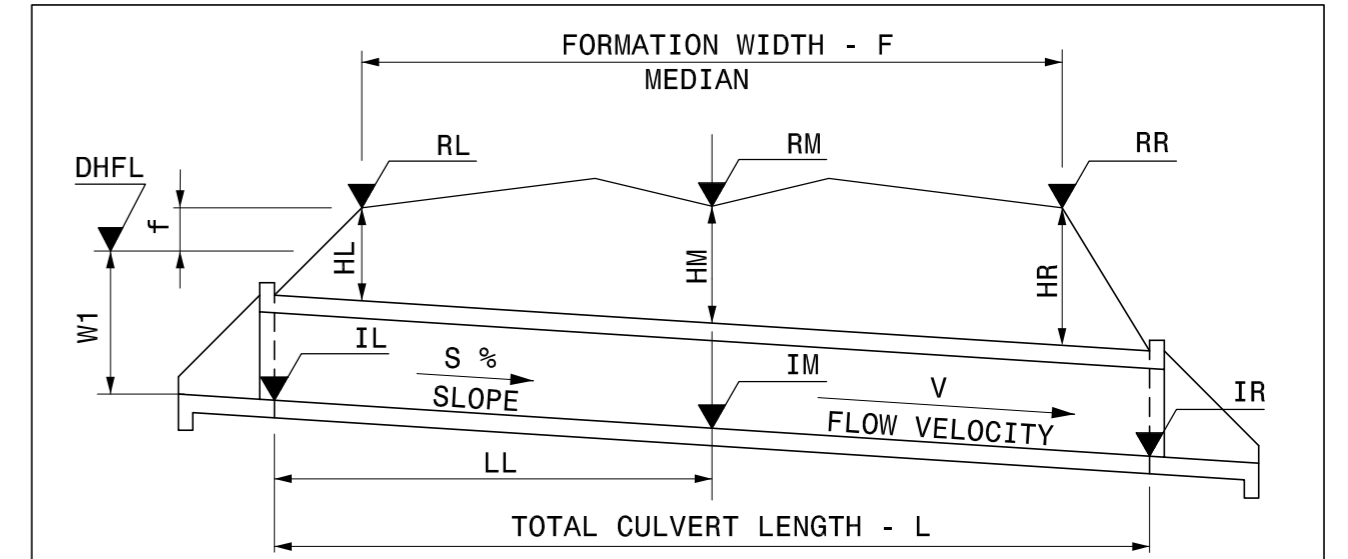


KEY PLAN WITH ROAD SHOWING
CULVERT POSITIONS

KEY PLAN

KEY TO CULVERT TYPES

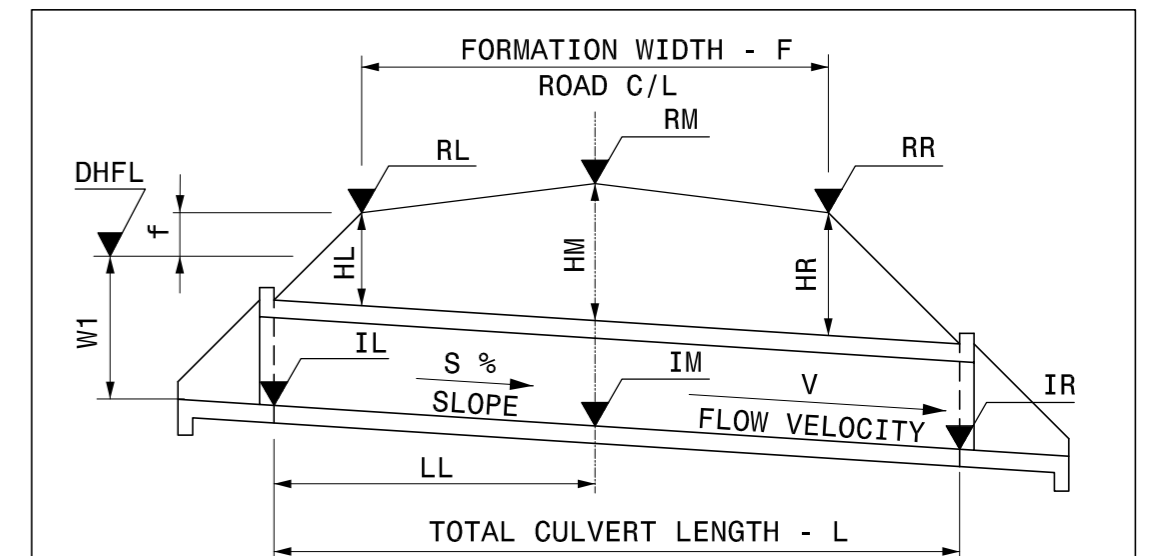
- PC - PIPE CULVERT (UNIT LENGTHS 2,44m)
- BC - BOX CULVERT (UNIT LENGTHS 1,22m)
- IBC - IN-SITU BOX CULVERT
- APC - ARMCO PIPE CULVERT
- MH - MANHOLE
- SI - SIDE INLET
- SCI - SPECIAL CULVERT INLET
- FA - FARM ACCESS
- SDW - SIDE DRAIN WING WALL
- DI - DROP INLET



TYPICAL LONGITUDINAL SECTION OF CULVERT
UNDER DOUBLE CARRIAGEWAY ROAD

SCALE: SCHEMATIC

(SHOW APPROPRIATE ROAD CROSS SECTION OF
SINGLE /DOUBLE CARRIAGEWAY ON SCHEDULE)



TYPICAL LONGITUDINAL SECTION OF
CULVERT UNDER SINGLE CARRIAGEWAY
ROAD

SCALE: SCHEMATIC

DRAINAGE SCHEDULE

CULVERT DESCRIPTION	ITEM NUMBER																																																																																																																																																																																																																																																																																																																																																																																																		
	ROAD KILOMETRE DISTANCE														TYPE OF CULVERT														SPAN/DIA (mm)														HEIGHT (mm)														PIPE & BEDDING CLASS														SKEW ANGLE (° Deg)														WING WALL REFERENCE (IF APPLICABLE)														HYDROLOGICAL DATA	CATCHMENT AREA CA (ha)													TIME OF CONCENTRATION Tc (minutes)													RAINFALL INTENSITY I (mm/h)													CATCHMENT DISCHARGE AT INLET (m³/s)													WATER HEAD WH (m)													DESIGN HIGH FLOOD LEVEL DHFL (m)													FREE BOARD f (m)													ROAD DATA	FLOW VELOCITY v (m/s)													ROAD LEVEL - LEFT SHOULDER RL (m)													ROAD LEVEL - ROAD C/L (MEDIAN) RM (m)													ROAD LEVEL - RIGHT SHOULDER RR (m)													ROAD FORMATION WIDTH F (m)													CULVERT DATA	FLOOR SLOPE S (%)													INVERT LEVEL - LEFT IL (m)													INVERT LEVEL - ROAD C/L (MEDIAN) IM (m)													INVERT LEVEL - RIGHT IR (m)													FILL HEIGHT - LEFT HL (m)													FILL HEIGHT - ROAD C/L (MEDIAN) HM (m)													FILL HEIGHT - RIGHT HR (m)													LENGTH - LEFT TO ROAD C/L (MEDIAN) LL (m)													TOTAL LENGTH - INLET TO OUTLET L (m)													NUMBER OF UNITS	NUMBER											
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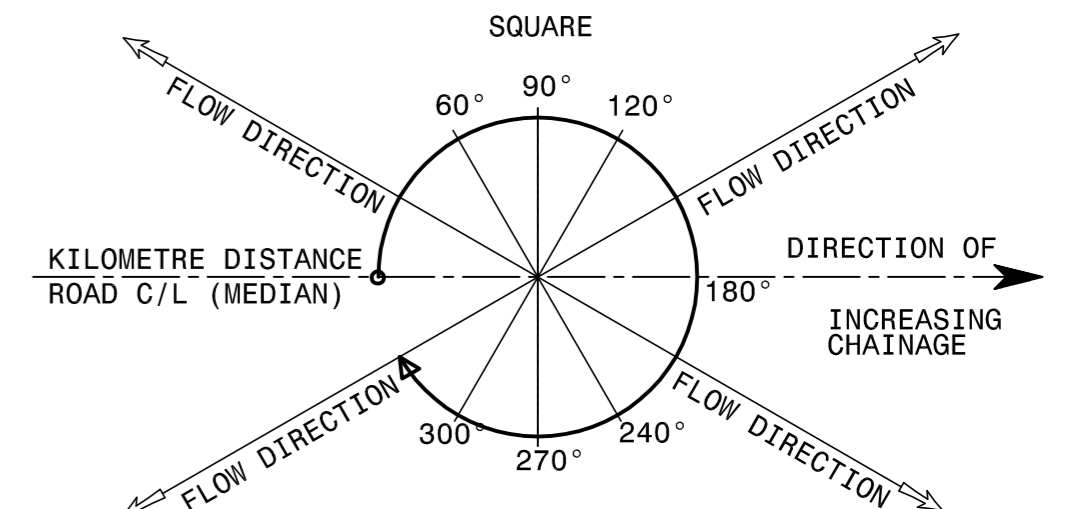


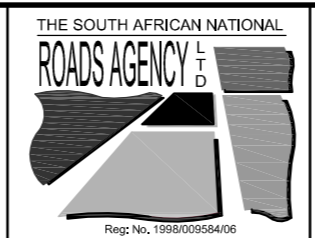
DIAGRAM SHOWING SLOPE & SKEW-ANGLE
CONVENTION

No.	DATE	REVISION	APPROVED
V1		ORIGINAL VERSION	

SANRAL TYPICAL DRAWINGS

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TYPICAL DRAWINGS - DRAINAGE

KEY PLAN AND DRAINAGE SCHEDULE

NEW ROADS

SANRAL DOC. No. (PDF)
180759

SANRAL DOC. No. (DWG)
180760

SANRAL DRAWING No.
TD-D-DS-001-V1

