

KEY PLAN WITH ROAD SHOWING CULVERT POSITIONS

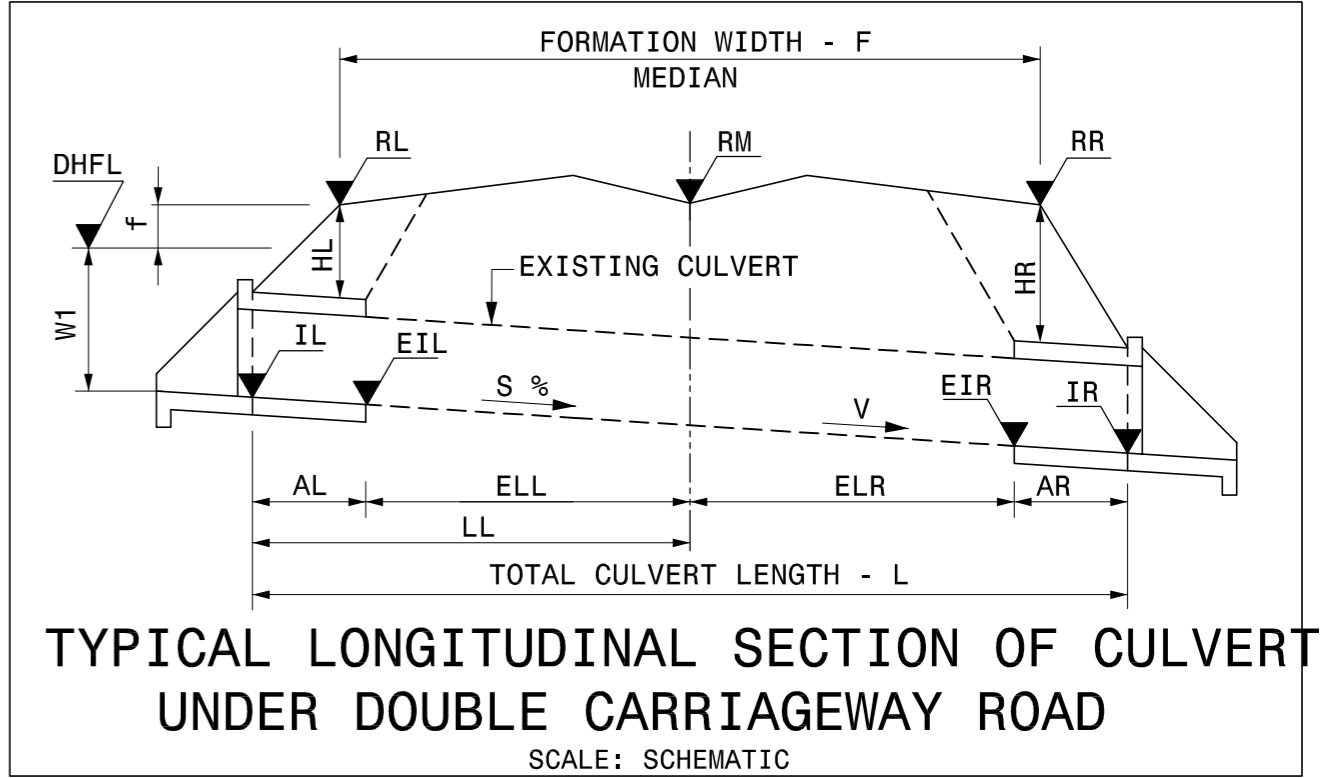
KEY PLAN

KEY TO CULVERT TYPES

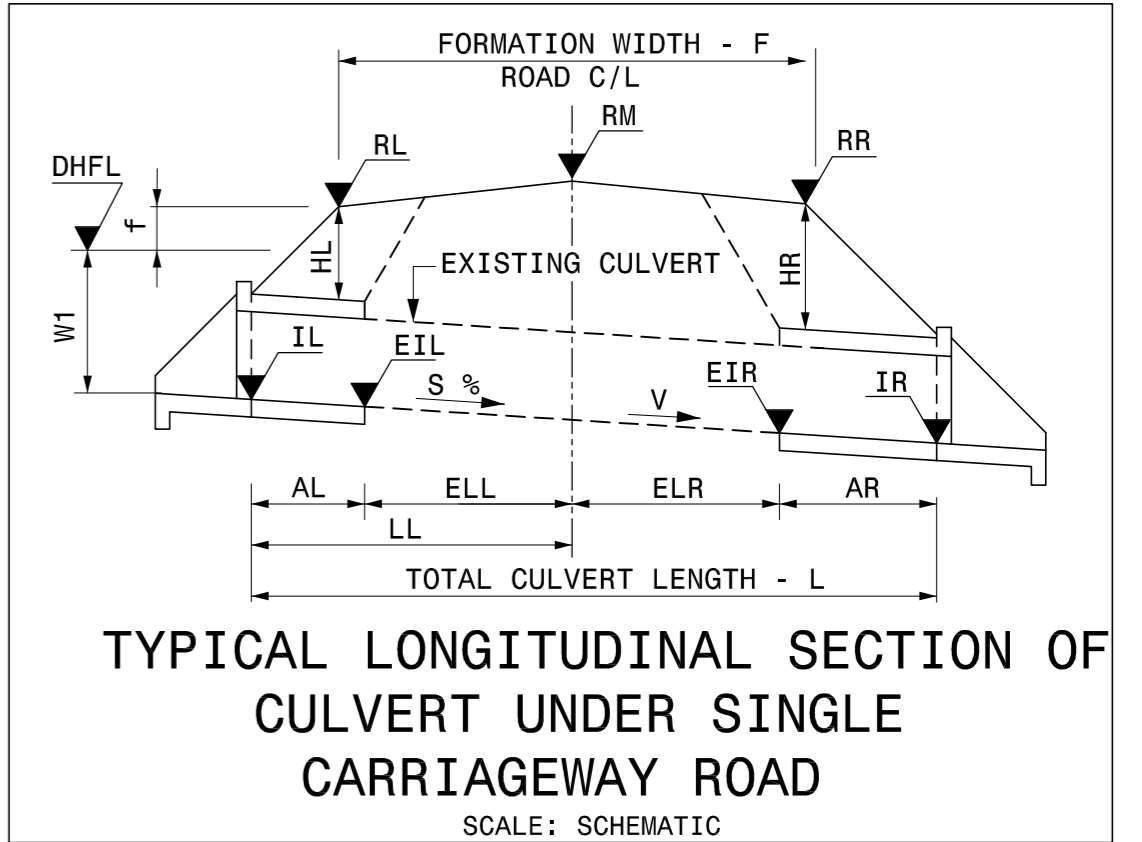
- PC - PIPE CULVERT (UNIT LENGTHS 2,44m)
- BC - BOX CULVERT (UNIT LENGTHS 1,22m)
- IBC - IN-SITU BOX CULVERT
- APC - ARMCO PIPE CULVERT
- MH - MANHOLE
- SI - SIDE INLET
- SCI - SPECIAL CULVERT INLET
- FA - FARM ACCESS
- SDW - SIDE DRAIN WING WALL
- DI - DROP INLET

NOTE :

1. DETAIL OF LONGITUDINAL SECTIONS OF CULVERTS TO BE EXTENDED, SHOWN ON SEPARATE DRAWINGS.
1. CULVERT EXTENSIONS ON LEFT AND RIGHT HAND SIDE REQUIRED ONLY IF DIMENSIONS AL AND AR IN SCHEDULE $\neq 0$

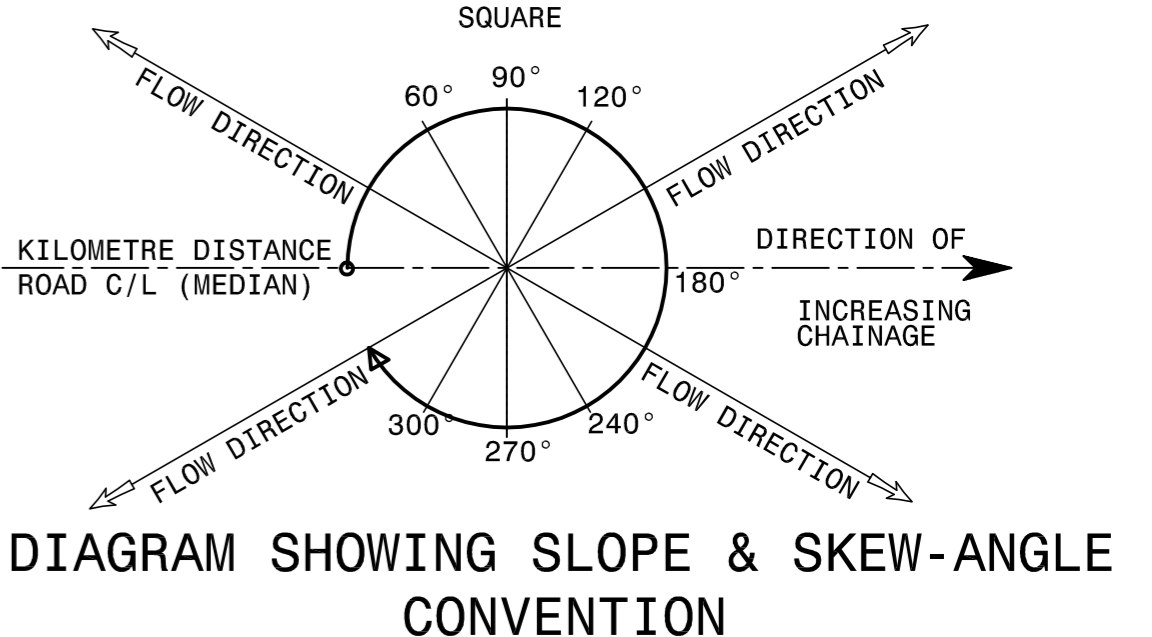


(SHOW APPROPRIATE ROAD CROSS SECTION OF
SINGLE /DOUBLE CARRIAGEWAY ON SCHEDULE)



DRAINAGE SCHEDULE

CULVERT DESCRIPTION	ITEM NUMBER																	
	ROAD KILOMETRE DISTANCE																	
	TYPE OF CULVERT																	
	SPAN/DIA	(mm)																
	HEIGHT	(mm)																
	PIPE & BEDDING CLASS																	
HYDROLOGICAL DATA	SKEW ANGLE	° (Deg)																
	WING WALL REFERENCE (IF APPLICABLE)																	
	CATCHMENT AREA	CA (ha)																
	TIME OF CONCENTRATION	Tc (minutes)																
	RAINFALL INTENSITY	I (mm/h)																
	CATCHMENT DISCHARGE AT INLET	(m ³ /s)																
	WATER HEAD	WH (m)																
	DESIGN HIGH FLOOD LEVEL	DHFL (m)																
	FREE BOARD	f (m)																
	FLOW VELOCITY	v (m/s)																
ROAD DATA	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 - RIGHT	IR (m)																
	EXISTING INVERT LEVEL LEFT	EIL (m)																
	EXISTING INVERT LEVEL RIGHT	RIL (m)																
	FILL HEIGHT - LEFT	HL (m)																
	FILL HEIGHT - RIGHT	HR (m)																
	LENGTH-LEFT TO ROAD C/L (MEDIAN)	LL (m)																
	TOTAL LENGTH - INLET TO OUTLET	L (m)																
	EXISTING LENGTH LEFT	ELL (m)																
	EXISTING LENGTH RIGHT	RLL (m)																
	ADDITION LEFT	AL (m)																
	NUMBER OF UNITS (LEFT)	NUMBER																
ADDITION RIGHT	AR (m)																	
NUMBER OF UNITS (RIGHT)	NUMBER																	




No.	DATE	REVISION	APPROVED

SANRAL TYPICAL DRAWINGS

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DATE: 18 February 2009

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TYPICAL DRAWINGS - DRAINAGE

**KEY PLAN AND DRAINAGE SCHEDULE
REHABILITATION - UPGRADING ROADS**

SANRAL DOC. No. (PDF)	180761
SANRAL DOC. No. (DWG)	180762
SANRAL DRAWING No.	TD-D-DS-002-V1