





NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETRES.
2. DIMENSION X IS THE EXTERNAL DIAMETER OF THE PIPE.
3. PIPES ARE TO BE LAID WITH SLOTS OR PERFORATIONS UPWARDS WHERE A CONCRETE BED IS USED.
4. MINIMUM DRAIN WIDTH $Y=X+300$ FOR DRAINS NOT EXCEEDING 1.5M COVER BELOW FINISHED LEVEL. $Y=X+450$ FOR DRAINS EXCEEDING 1.5M COVER BELOW FINISHED LEVEL.
5. MAXIMUM PIPE DIAMETER TO BE 450mm.
6. GEOTEXTILE IS REQUIRED WHERE FILTER DRAINS ARE USED
 - (i) WITHIN SOIL TYPES WHERE WATER BEARING SANDS OR SILTS ARE ENCOUNTERED
 - (ii) WITHIN CUT SECTIONS CONTAINING DRAINS TO CONTROL GROUNDWATER WHERE WATER BEARING SANDS OR SILTS ARE ENCOUNTERED.

KEY:

-  GRANULAR MATERIAL TO MCDRW CLAUSE 503.3(i).
-  ST4 CONCRETE TO MCDRW CLAUSE 2602.
-  TYPE B FILTER MATERIAL TO MCDRW CLAUSE 505.
-  TYPE A FILTER MATERIAL TO MCDRW CLAUSE 505.

NOT TO SCALE

	ROAD CONSTRUCTION DETAILS	DRAINAGE	P3	01/09	FILTER DRAINS TRENCH AND BEDDING DETAILS	Drawing No. RCD/ 500/1
			P2	10/07		
			P1	03/00		
			Issue	Date		