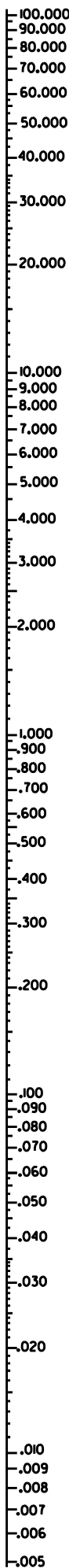
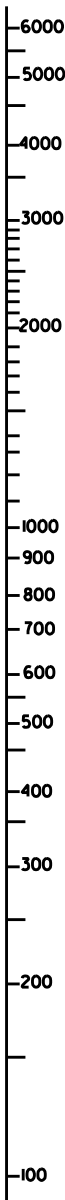


**METRIC**  
ALL DIMENSIONS IN MILLIMETRES

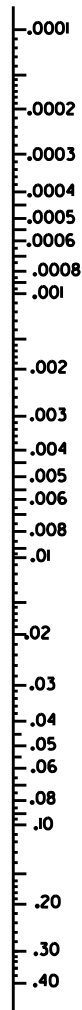
DISCHARGE m<sup>3</sup> sec<sup>-1</sup> (CUBIC METRES PER SECOND)



DIAMETER OF DRAIN IN mm (MILLIMETRES)



SLOPE



VELOCITY IN m sec<sup>-1</sup> (METRES PER SECOND)



FORMULA

$$Q = \frac{1.0}{N} \times AR^{2/3} \times S^{1/2}$$

$$N = 0.013$$



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**CONCRETE**  
**CIRCULAR DRAIN NOMOGRAPH**  
**FLOWING FULL**

EFF. DATE	2002-01-01	SCALE	N.T.S
REV.	3	2006-04-19	STANDARD No. 2112.010