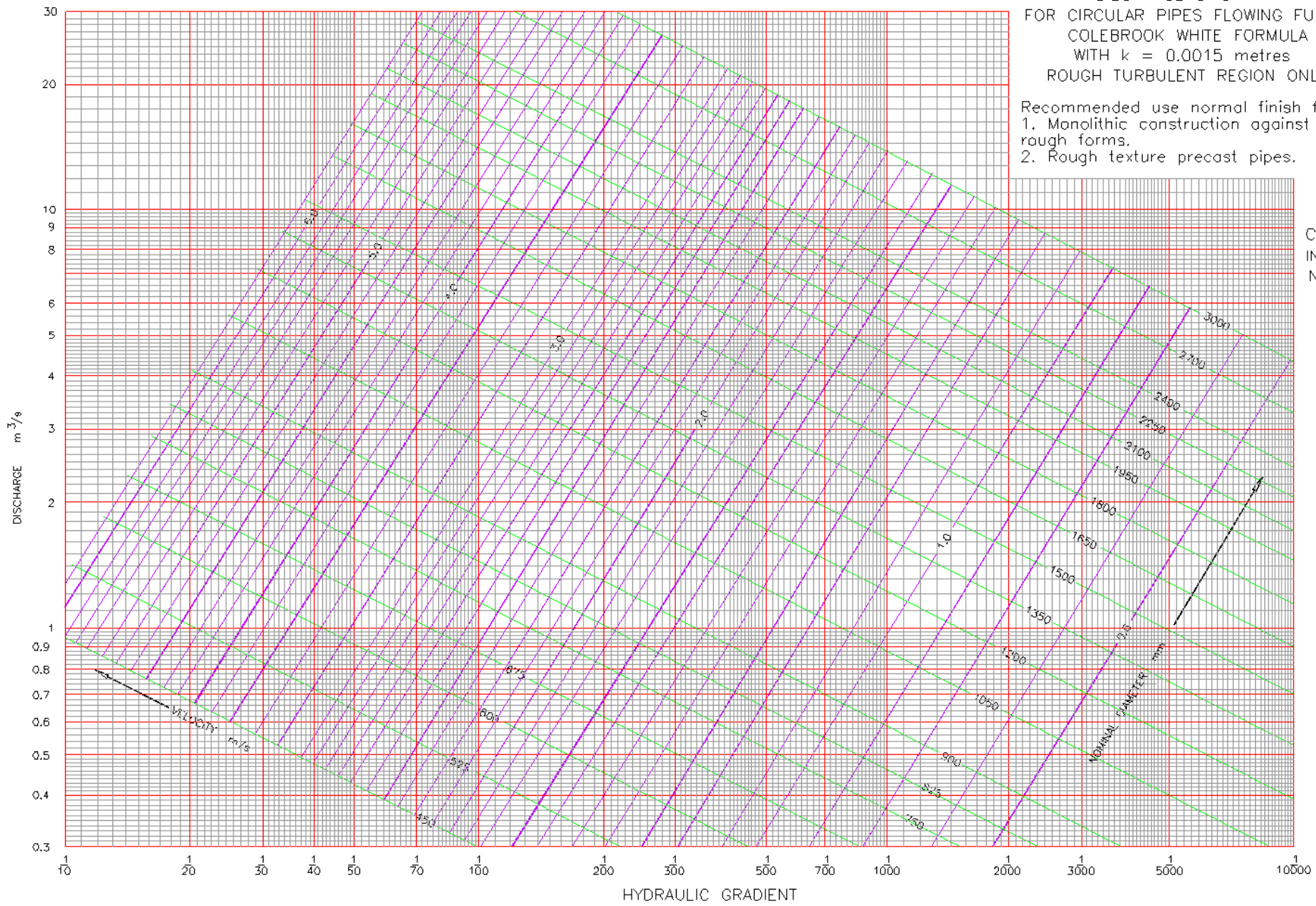


DISCHARGE DIAGRAM
 FOR CIRCULAR PIPES FLOWING FULL
 COLEBROOK WHITE FORMULA
 WITH $k = 0.0015$ metres
 ROUGH TURBULENT REGION ONLY

Recommended use normal finish for:
 1. Monolithic construction against rough forms.
 2. Rough texture precast pipes.



CLASS 2 R.C. PIPES	
INTERNAL DIAMETERS	
NOMINAL (mm)	ACTUAL (mm)
450	457
525	534
600	610
675	685
750	762
825	838
900	915
1050	1066
1200	1219
1350	1372
1500	1524
1650	1676
1800	1828
1950	1994
2100	2134
2250	2286
2400	2438
2700	2743
3000	3060

$$V = -2\sqrt{2gDS} \times \log \left[\frac{k}{3.7D} + \frac{2.51 \times 1.01 \times 10^{-6}}{D\sqrt{2gDS}} \right]$$

D = $\frac{\text{actual internal dia. (metres)}}{\text{dia. (metres)}}$
 S = slope
 k = roughness (metres)