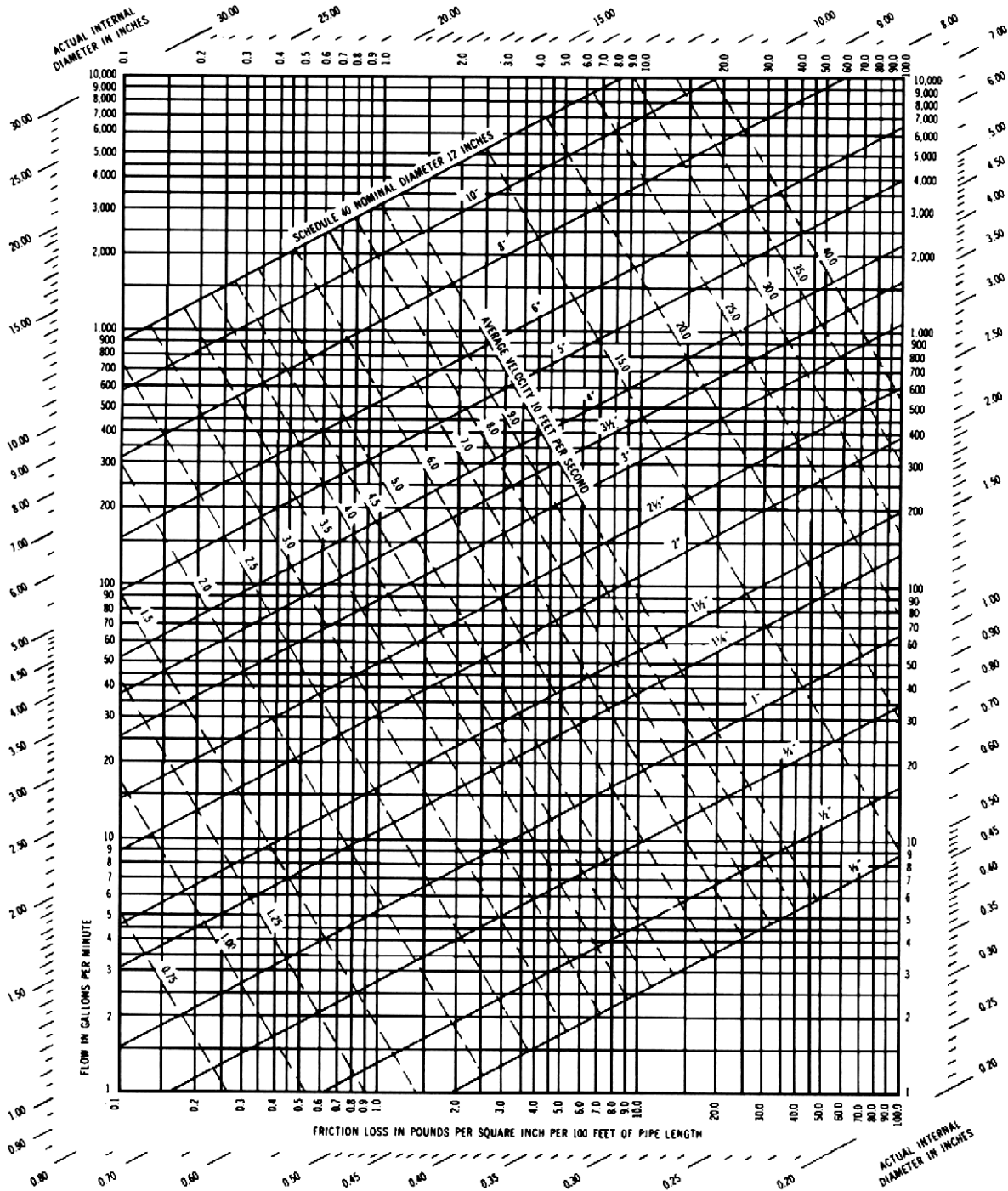


ENGINEERING INFORMATION - STEEL PIPE FLOW CHART

Flow chart for schedule 40 steel pipe

With auxiliary scales by actual inside diameters for use with other pipe approximating a fairly smooth condition.



Curves plotted from formula

$$P = \frac{Q^{1.83}}{16.13 d^{4.83}}$$

- Where P = Friction loss in p.s.i. per 100 ft. of pipe length.
 Q = Flow in gallons per minute.
 d = Actual pipe I.D. in inches.

Note: Flow formula and chart are accurate for Reynolds numbers of 200,000 or less; less accurate for higher Reynolds numbers.