10.56 In a 4-in. uncoated cast-iron pipe, 6.02 cfs of water flows at 60°F. Determine f from Fig. 8.20

- T & us. Re = 40

for navine 15/D

 $Re = \frac{V0}{V} = \frac{Q/AD}{V} = \frac{4Q}{\pi DV} = \frac{4 \times 1.02}{\pi \cdot 4 \cdot 1.22 \times 10^{-5}}$ $= 6.3 \times 10^{3} + \text{torbulant}$ $= 6.3 \times 10^{3} + \text{torbulant}$

25/D= .0025 from \$ 10.4 Table 8.1

f (Re, 25/0) from Fy 8.20 f= .038