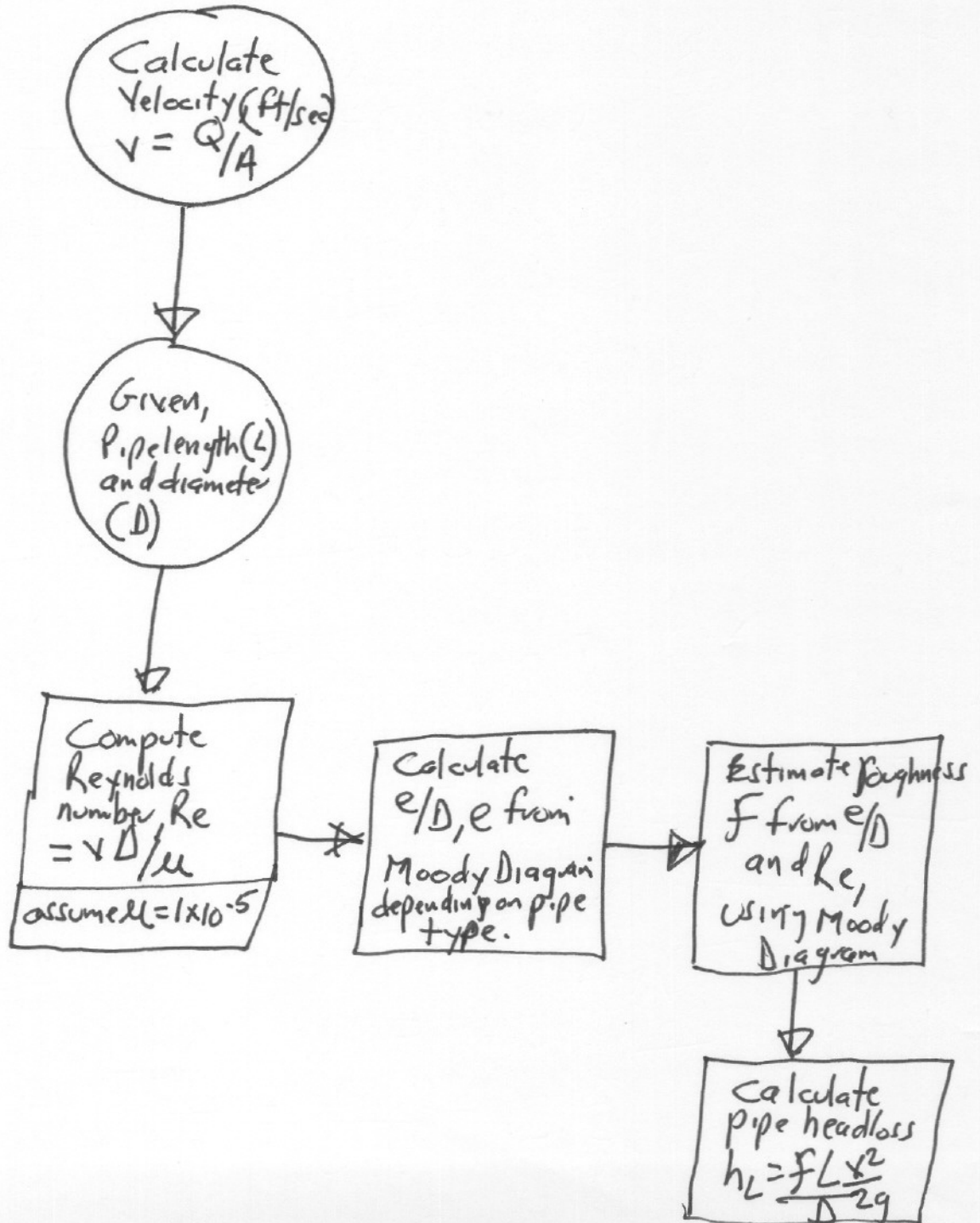


Flow Chart 1

1/5

Pipe headloss using Darcy Weisbach formula.

$$h_L = \frac{f L v^2}{D 2g}$$

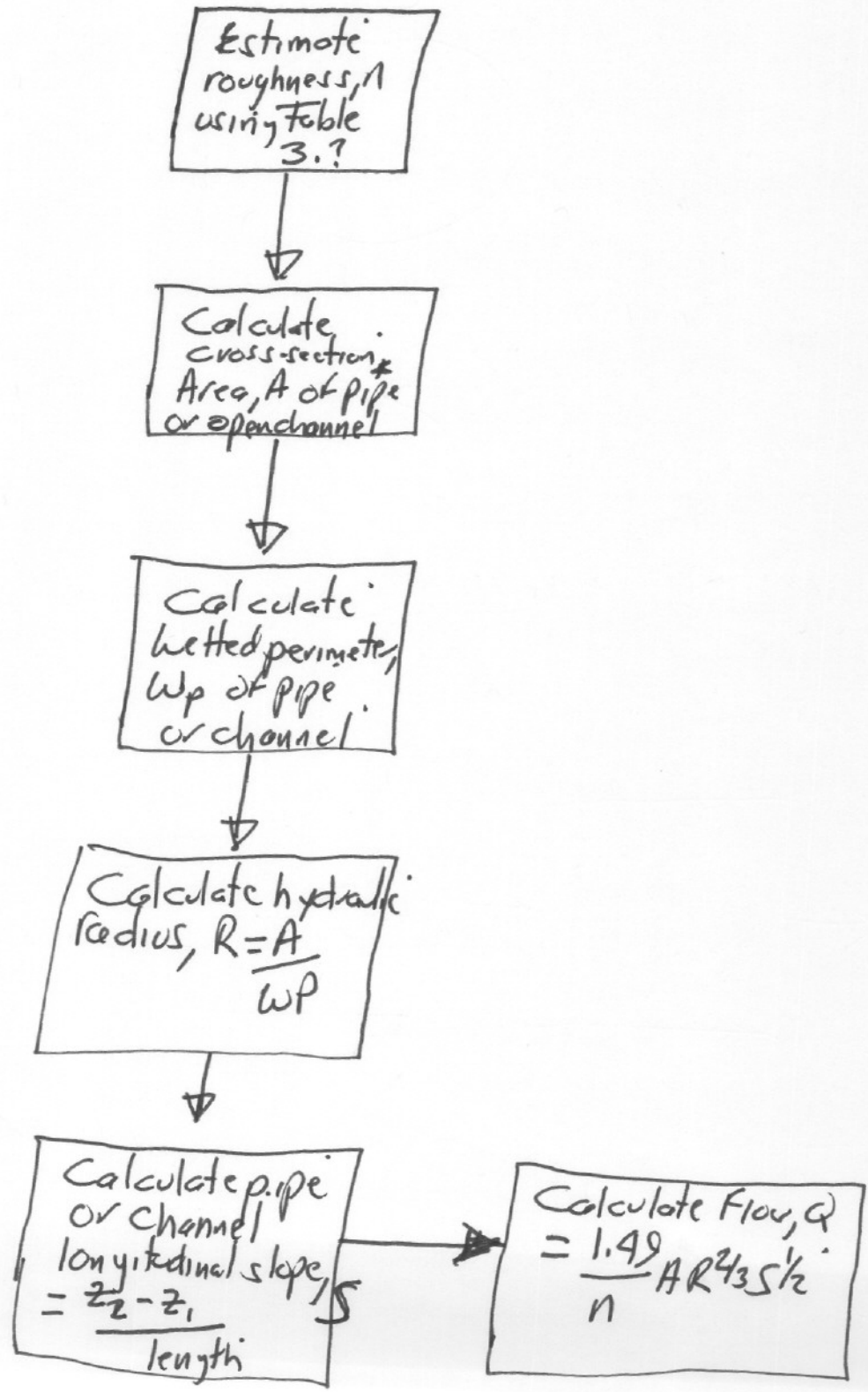


Flow Chart 2

2/5

Calculate ~~Flow~~ Open Channel Flow using Manning's Equation

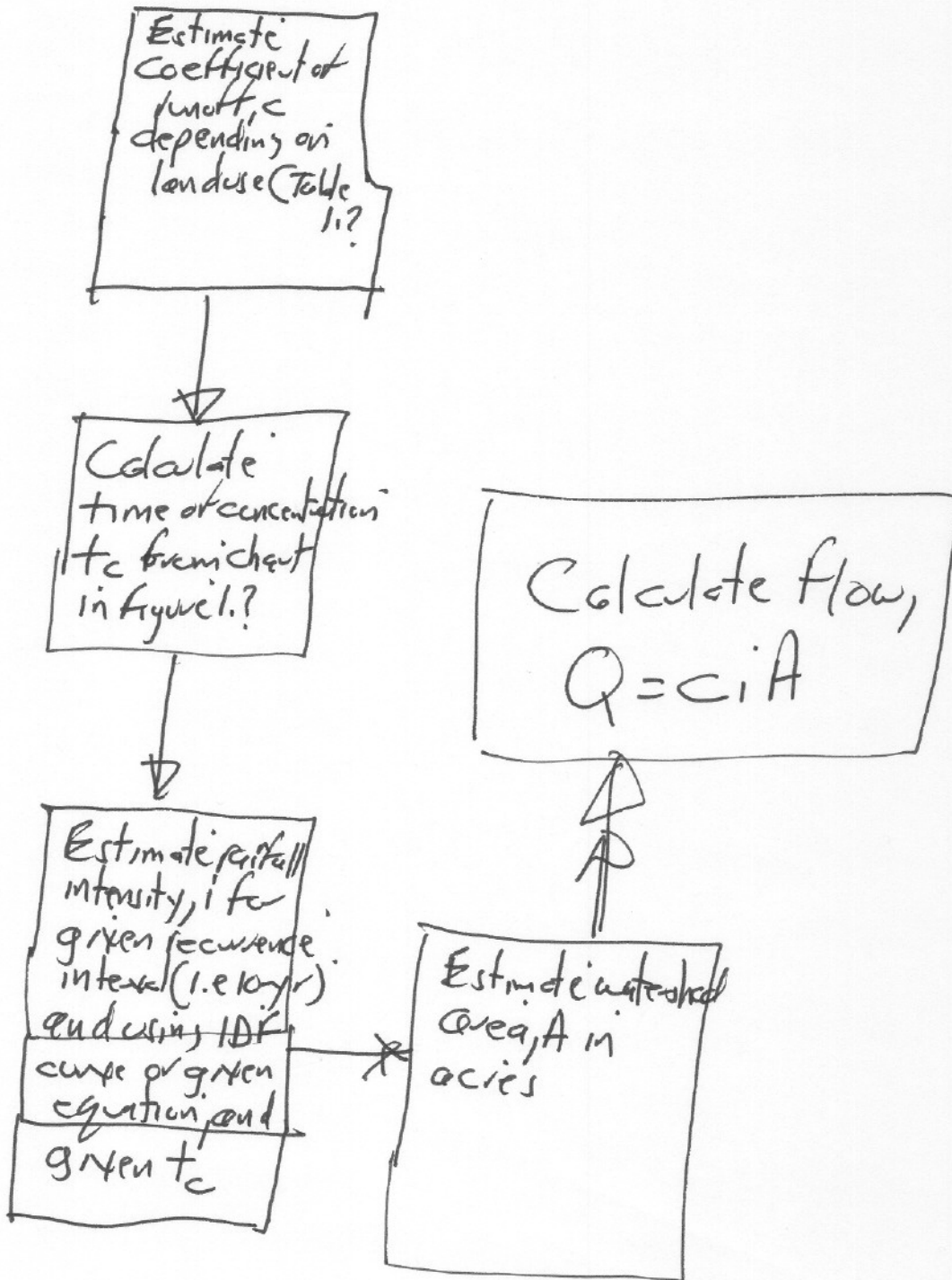
$$Q = \frac{1.49}{n} A R^{2/3} S^{1/2}$$



Flow Chart 3

3/5

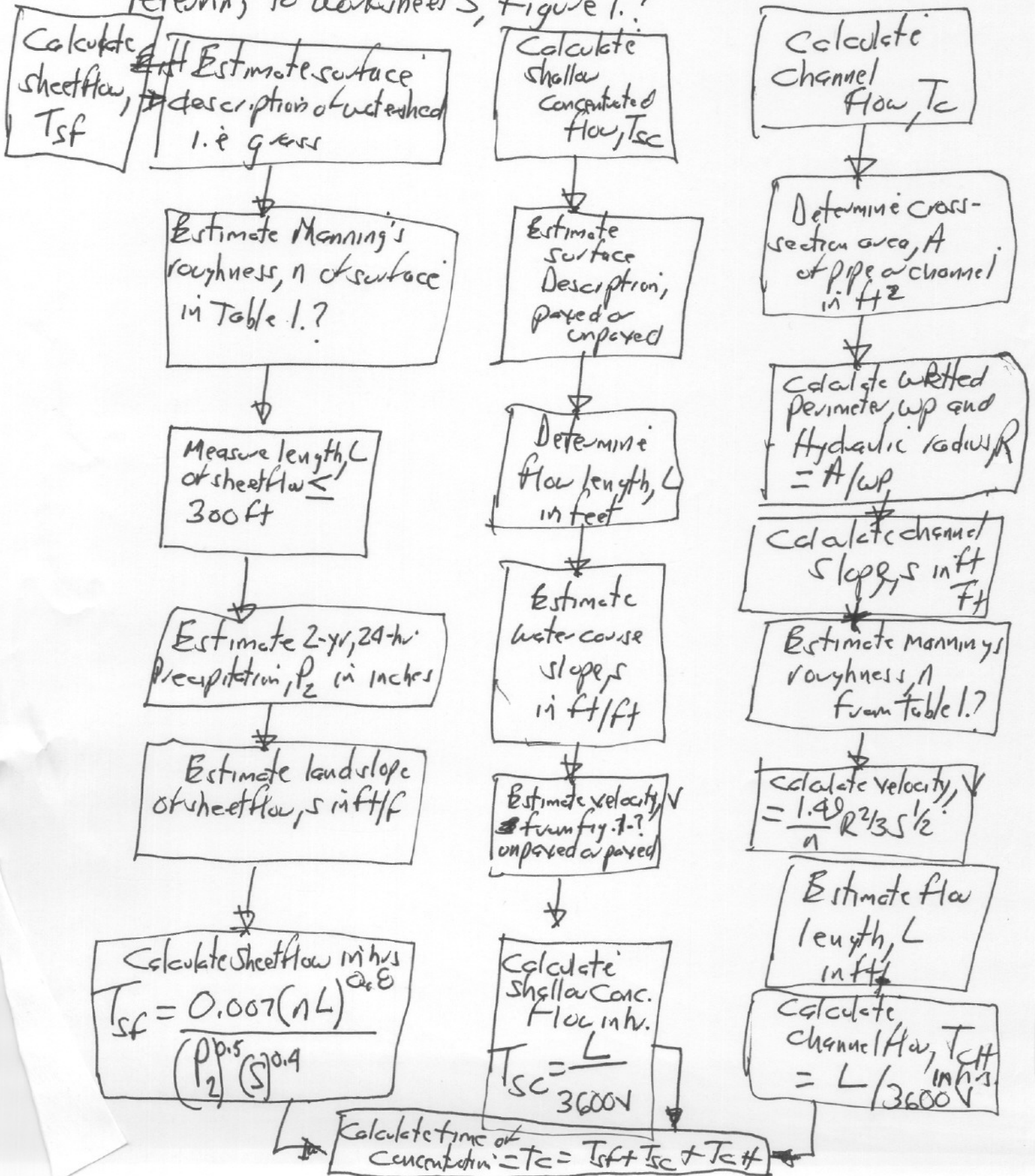
Calculate peak flow or runoff using Rational Method, $Q = ciA$.



Flow Chart 4

4/5

Calculate time of concentration using TR-55 method.
Referring to worksheet 3, Figure 1.?



Flow Chart 5

Calculate peak flow or runoff using TR55 Method
 using Worksheet 9, Figure 1.?

