HW #2

1. Prob. 3.1 (new edition 3.1 but the pipe is 40 ft long instead of 45 ft, its outside diameter 6” instead of 14”, & current velocity 3.4 ft/s instead of 2.4 ft/s) (20)

2. Prob. 3.2 (new edition 3.2 but the pole is 20 m long instead of 25 m, 20 m extending above water surface instead of 25 m, & wind velocity 120 km/hr instead of 130 km/hr) (20)

3. Prob. 3.7* (new edition 3.7) (hint: $\mu = 0.442$ & when computing the volume of the slurry inside the pipe please neglect the thickness of the pipe) (20)

4. Prob. 3.9 (new edition 3.9) (20)

5. Prob. 3.10 (new edition 3.10) (20)

Due on Feb. 12, 2014