CCE 201, fall 2014 EXAM A

Practice midterm exam NAME:_____

1. Scaling with engineer's scale. (15 pts)
   A. Measure three lot lines of lot 4. Do not measure lot line arc. Record length of each lot line using a scale of:

   1" =30' _____, _____, _____

2. Sketch a plan and profile with the storm manhole information provided below. Scale sketch. Draw storm line (pipe) and ground line. Labels stations and profile elevations. Draw 50' road-right-of way, offset 25' from stormwater line. Horizontal scale 1"=100' and vertical scale: 1" = 10' (10 pts)

   MH103 STA 1+10, Grade Elev. 202.4', IE 194.7'

   MH2: STA 3+67, Grade Elev. 205.6', IE 197.2'

3. Determine the linear feet of stormwater pipe and slope (in percent) of stormwater line (pipe) between manholes. Show calculations. (5 pts)

4. Draw and plot the plan and profile in AutoCAD. (70 pts)

   Use appropriate layers and line weights

   All text is to be plotted 1/8 inch, Romans font, uppercase

   Label a few stations, if time permits label all stations

   Label a few profile elevations, if time permits label all elevations

   Draw storm line in both plan and profile view

   Draw road right-of way

   Draw ground line in profile view

   Place drawing on ANSI A

      Plot to 1” = 100’ for horizontal and 1” = 10’ for vertical

      Enter Name and SCALE in title block

   Plot drawing to “DWG to PC3.PDF”

   Submit to TEACH:

      DWG to PC3.PDF and

      AutoCAD DWG file