**Plan Reading**

**Native Plant Garden**

This is a landscape plan of our native garden, to the right of the outside doors. This was drawn by Landvision and is a very loose (but functional) design, which we implemented about nine years ago. Note the following:

1. There is not a lot of space for just mulch. The plants, when fully grown grow into one another, just barely.
2. Each of the plants has a different look to it, a different graphic. If is it an evergreen plant it looks one way and a shrub that is deciduous another.
3. Note the larger tree circles overlap the other plants, because those plants will be shaded by the Eastern Redbud, Witch Hazel, and Flowering Dogwood.

To help you understand how to create your own landscape plan and your graphics, use the map to answer the following questions (remember to use a 3/32 scale):

1. How many *Callicarpa americana* are in the plan? What size is each plant? What is the graphic used (draw it here)?
2. How many *Fothergilla* are in the plan? What size is each plant? What is the graphic used (draw it here)?
3. How many *Rudbeckia fulgida* are in the plan? What size is each plant? What is the graphic used (draw it here)?
4. How many *Hypericum frondosum* are in the plan? What size is each plant? What is the graphic used (draw it here)?
5. How many *Calycanthus floridus* are in the plan? What size is each plant? What is the graphic used (draw it here)?

Landscape Residence

Plan Reading of CAD drawing

1. How many linear feet of wooden edging are required?
2. How many tons of washed rock are required for the area along the garage? The washed rock is 4” deep and one cubic yard weights 1 ½ tons.
3. How many square feet of lawn area are shown on the plan?
4. How many square feet of pavers are required? At the rate of 4.5 pavers per square foot, how many pavers are needed?
5. How much sand is required to provide a 3” base for the paver walkway?
6. How many linear feet of edging are required along the pavers?
7. How many cubic yards of compost are required to amend the groundcover beds 3” deep?
8. If all of the trees were specified to be triple staked, how many stakes would be needed?
9. How many evergreen shrubs are required?
10. How many flats of annuals are required? The plants are spaced 12” on center and there are 15 plants per flat.

Compare and Contrast- Which of the three landscape plans did you find to be the best? Why?

Jenkins Plan, Native Garden Plan, or CAD Residence drawing?

Answers:

1. 8+25+8=41
2. 25\*8\*.33= /27, 2.4 yards= 3.67 tons of gravel
3. 18\*10+8\*13+18\*22=680ft
4. 3\*18, 3\*8, 12\*3, 3\*12=147\*4.5=662 (54, 15, 36, 42)
5. 147\*.25=3.685/27=1.36 yards
6. 18,4,18,9,5,21,12=87
7. 6\*14+9\*12=192\*.33
8. 9\*3=27