Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_

**Drawing Guidelines**

As part of your final grade, you will be required to submit three scaled drawings of your project. You will have to make, on 11” x 17” paper, scale drawings of:

• Your acre, including the footprint of your house and garden. You will also have to include any interesting or pertinent topographical features.

• Your house, including the size and location of all major interior features. If you have more than one floor, you will have to draw all of them on the same sheet of paper.

• Your garden, including where you plan to plant your crops and which seasons they will grow. Each of you will have a one acre plot. One acre = 43,560 square feet. The plots come in one of three shapes – a square, a rectangle, or a trapezoid. You can choose which shape you want.

• Square = 208’ x 208’

• Rectangle = 240’ x 180’

• Trapezoid = Bases 300’ and 184’ and the height is 180’

Note: your drawings will be graded on neatness, level of detail, and accuracy of scale.

Shape of my plot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Eco House Research Project**

**Presentation Evaluation Sheet**

Evaluator’s name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Student(s) presenting: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Location of house:**

Each group will make a verbal presentation of what they learned during their Sustainable House Research Project. The presentation should last approximately 5 minutes and must be supported by a model and a tri-fold poster or a Power Point presentation.

**Supporting materials** (check one): Model \_\_\_\_ Tri-fold (poster) \_\_\_\_ Power Point \_\_\_\_\_\_

Students will be evaluated on the clarity, organization, and creativity of their presentation, as well as how well they addressed the following issues:

**House Design**

\_\_\_\_Does it meet the basic design requirements? (1,500 to 3,000 square feet, “off the grid,” plan for a family of 5)

\_\_\_\_ Does it seem to fit with the local environment?

\_\_\_\_ Does the design show creativity?

**Energy**

\_\_\_\_ Did the presentation include a well-designed energy plan?

\_\_\_\_ Did the presentation include a rough estimate of the cost of building such an energy system?

\_\_\_\_ Is the energy plan sustainable and does it make sense for the local environment?

\_\_\_\_ Did the presentation include at least three specific measures to conserve energy?

**Water/wastewater**

\_\_\_\_ Did the presentation include a realistic way to get enough water for the house?

\_\_\_\_ Did the presentation include an environmentally responsible way to deal with wastewater?

\_\_\_\_ Did the presentation include any water conservation measures?

**Building Materials**

\_\_\_\_ Did the house design incorporate sustainable building materials?

\_\_\_\_ Did the building materials come from the local environment?

**Garden**

\_\_\_\_ Does the plan include a year round garden to grow crops to supplement the inhabitants diet or income?

\_\_\_\_ Do the chosen crops make sense for the local environment?

\_\_\_\_ Did the presentation include a pest control plan that is free of chemical herbicides?