

2015 FFA Landscape Design Career Development Event Supplemental Information

1. **Type of House:**

The home was recently renovated from its original 4 bedroom, 1 bathroom version to 3 bedrooms and 2.5 bathrooms. The original home was a “Kit Home” manufactured by Gordon Van Tine Homes. It is similar to other kit homes, with big living room, dining room and a kitchen in the far back corner. Basement stairs are below the main stair. The laundry room is adjacent to the kitchen and was often used as a pantry. The original home was built in the 20's and is a relic of mail-order homes mass produced growing cities. It has a grand porch, and bay window upstairs. The house is in a neighborhood full of other beautifully preserved old homes with tree-lined streets. For additional information on the house placement on the lot see S1-Lot Plan, and home dimensions can be found on S-4 House Plan and Elevations.

2. **Lot:**

The residential lot measures 100 feet wide and 100 feet deep from front to back and is nearly level with the exception of a low area in the back yard that tends to stay wet for 1-2 weeks a year. The back yard is planted with 7 large honey locust trees (*Gleditsia triacanthos*) and 3 river birches (*Betula nigra*).

There is an empty lot adjacent to the eastside of the residential lot. The lot is 100 feet wide and 50 feet deep and is lined with 6 honey locust trees. The lot belongs to the county.

3. **Family:**

The homeowners are Mr. Evan Smith and Dr. Leticia Rodriguez. They have two young children in elementary school, Maria and Henry. Mr. Smith is a business owner and Dr. Rodriguez is a family doctor and both are very active in their local church, community and business organizations.

4. **Design:**

The Smith-Rodriguez family would like to fix the low area in their back yard. They have received many suggestions from their friends and neighbors and have decided to install a rain garden. This will help the drainage problem, increase biodiversity and also serve as a place for their children and neighbors to learn about plants, water and soil. They would also like a planted buffer to provide a clear division and provide privacy from the adjacent empty lot.

In addition, Dr. Rodriguez has leased the empty lot from the county to start a community garden/urban farming project. She plans to invite neighbors to participate and help grow healthy food for better nutrition. In the lot she would like to include raised beds, bee hive, compost bin, covered shed, benches and a fence with a gate that opens to the street. For more information see S2-Concept Plan and S5- Urban Farming Elements.

5. **Scope of the work:**

Budget: \$40,000.00 (plus or minus 10%) for materials only.

Plants should be selected which provide interest throughout the year, including annuals, perennials, evergreens, and deciduous plants. For more information on design of Rain Gardens please visit Rutgers Water Resources (http://water.rutgers.edu/Rain_Gardens/RGWebsite/raingardens.html) and review the Rain Garden Manual of New Jersey (specifically chapter 2 (http://water.rutgers.edu/Rain_Gardens/RGWebsite/RainGardenManualofNJ.html))

Gardening plants and vegetables selected to provide food for most of the year.

The soil in the empty lot is mostly loam and Topsoil is about 5 inches deep with a pH of 5.0.

6. **Project Requirements:**

Finished projects may be hand rendered or developed using a CAD program but all projects must meet the following criteria:

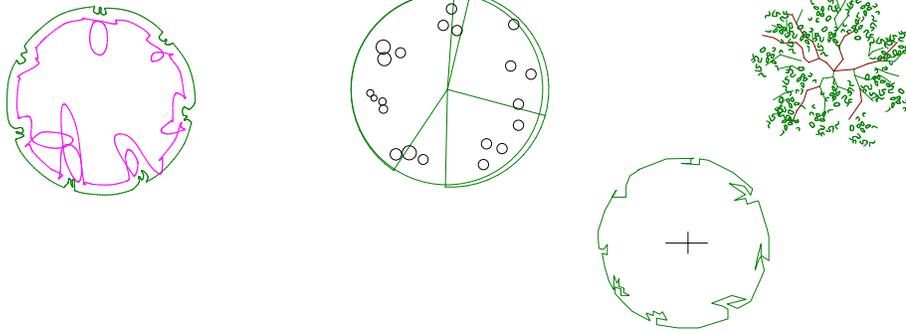
- All drawings should be submitted on 18" by 24" sheets of good quality tracing paper or vellum. Plan view drawing of the finished project is required. Elevation drawings will not be judged. It is strongly suggested that, whenever possible, a **copy** of the original be submitted for judging purposes.
- The finished scale should be 1" equals 10'.
- Students are required to use standard, commonly recognized symbols for plants.
- Symbols used should be representative of common professional drawing practices. Plant symbols should be drawn representing plants in scale at reasonable mature sizes. It is recommended that a reference such as The Manual of Woody Plants, Michael Dirr be used in determining plant spread (width).
- Nursery wholesale price books may also contain helpful size information. For example, in the Manual of Woody Plants, Cornus kousa is shown at a spread equal to its height of 20 – 30 feet. A reasonable mature size to represent this tree would be 10 to 15 feet or approximately one-half to two-thirds the spread listed. A shrub which grows quickly would be more accurately represented at 2/3 of its mature spread, while a slow growing tree or shrub could be represented at 1/2 its mature spread. It is recognized that site conditions will affect the size plants ultimately achieve.

There is a Sketch up Model available for your use if you want. For the model or any other questions feel free to contact: Richard Alomar, RLA. Assistant Professor in Landscape Architecture richard.alomar@rutgers.edu

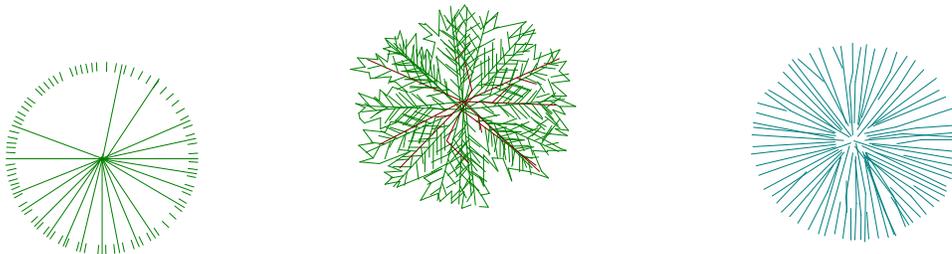
2015 LANDSCAPE DESIGN PROJECT SAMPLES

SAMPLE SYMBOLS ARE SUGGESTED STYLES AND ARE NOT SHOWN TO SCALE

DECIDUOUS



EVERGREEN



2015 LANDSCAPE DESIGN SUPPLEMENTAL INFORMATION

SAMPLE PLANT LIST - Plant list must be alphabetized by the first column. Student must locate plant list on the design itself (not as a separate sheet) and the title block should be located in the lower right corner of the drawing page.

KEY	BOTANICAL NAME	COMMON NAME	QUAN	SIZE	ROOTBALL
AR	Acer rubrum	Red Maple	5	2-2.5"	B & B
CK	Cornus kousa	Cinese Dogwood	2	8 -10'	B & B

