

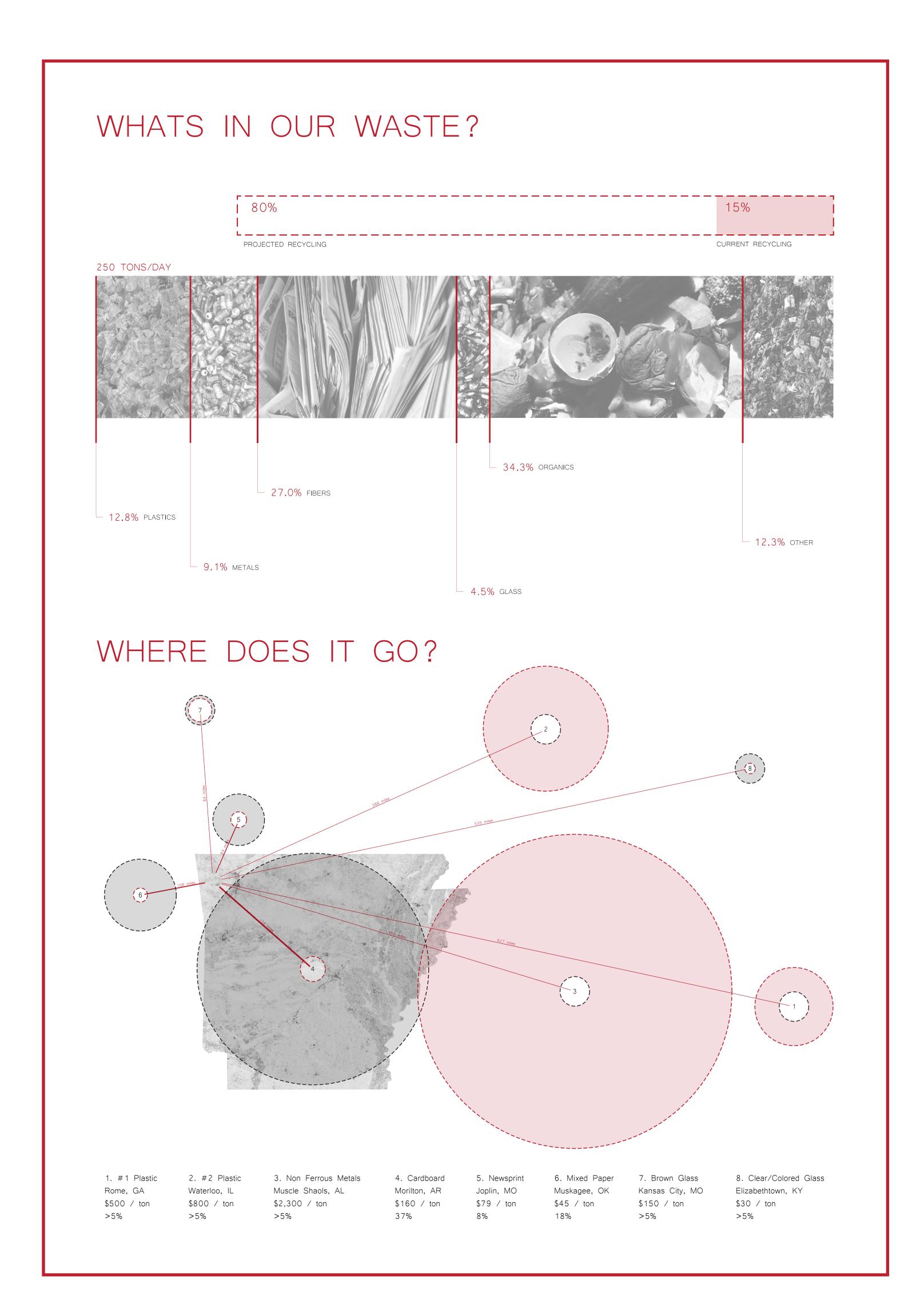
ETHAN WERKMEISTER FAY JONES SCHOOL OF ARCHITECTURE

The University of Arkansas is in the process of implementing a five year plan to divert up to ninety percent of all waste into more appropriate treatment facilities for recycling and reuse. Current numbers sit somewhere around just fifteen percent, this is the result of poor execution of current campus recycling opportunities, along with an inadequate facility to handle more recyclable waste than it is currently processing. The project for the semester is to design a low energy recycling center to accommodate the coming increase in recycling needs. The project will tackle two major problems with current facilities - a lack of social engagement within the community, and poor building execution with regards to the efficiency of the architecture and quality of spaces created.

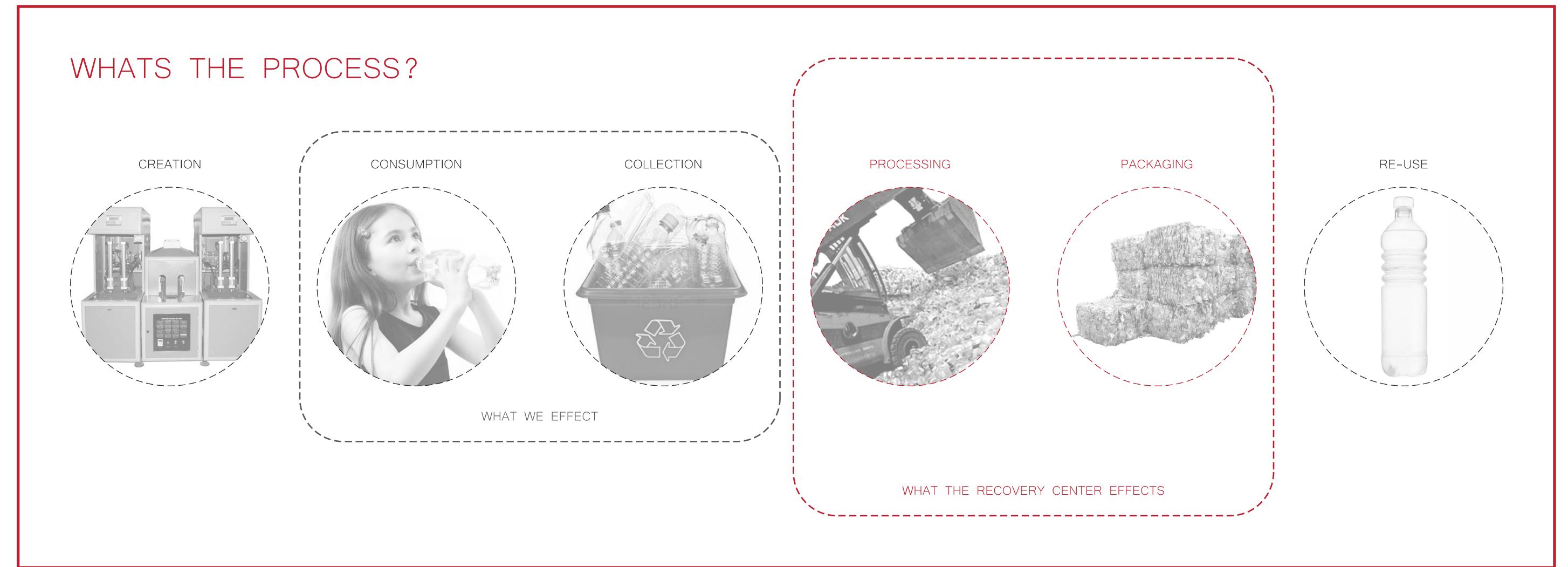
To first step in the project was to understand the larger process this facility was going to play a role in. There are six major steps in recycling. The first few are the ones we

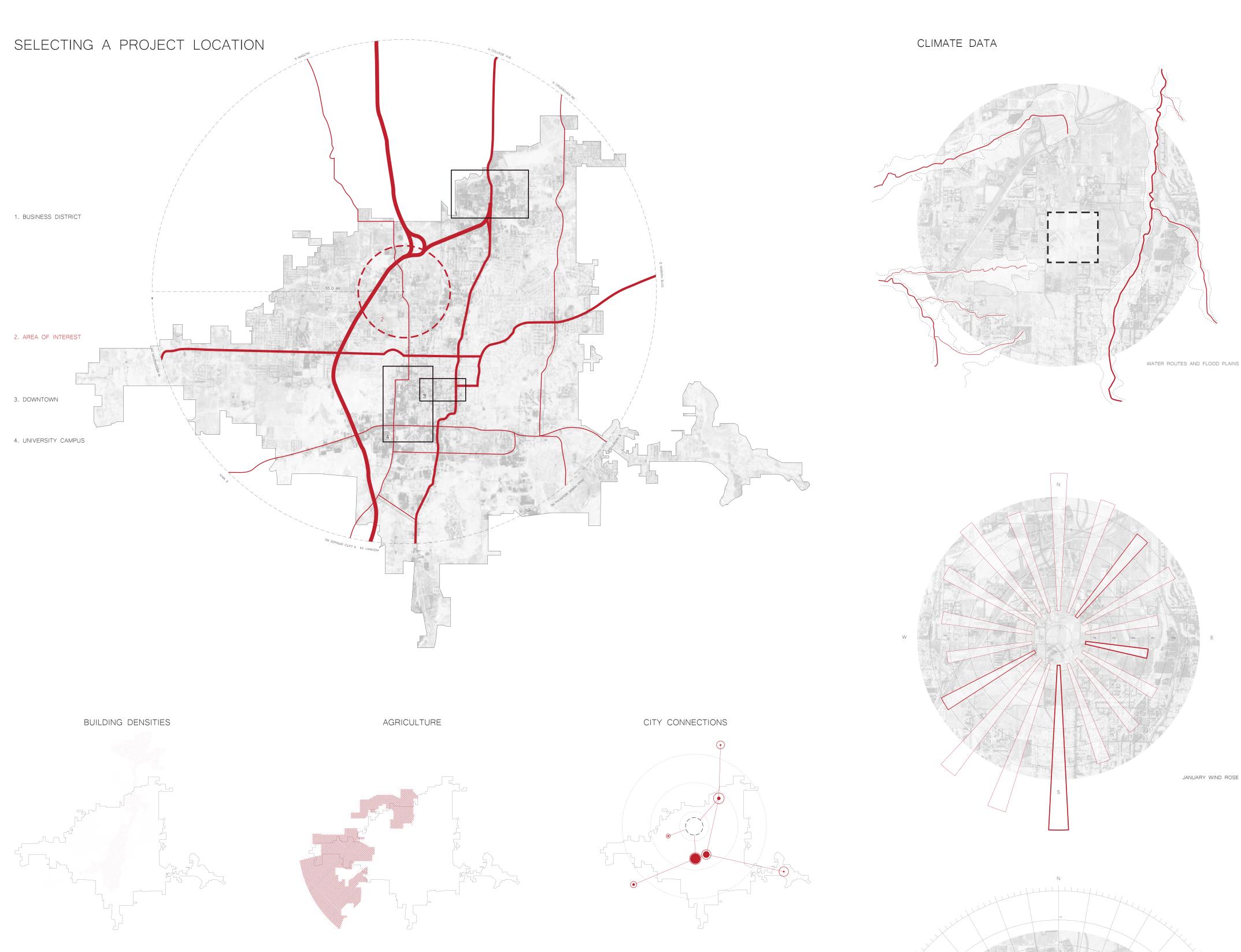


as consumers control. The most effective, and also the most overlooked step, is the consumption of products. Paying careful attention to the material makeup of what we consume can have a huge impact on both the quantities and qualities of the recycling process. After consumption of materials, we are responsible for the proper disposal of them. Improper disposal can have major effects on the recycling process. First it requires more hand labor to properly sort the incoming waste, and secondly, improperly sorted materials can ruin equipment and cause entire bales of product to be unuseable, costing the facilities anywhere from hundreds to thousands of dollars. The University is unable to use any sort of machine aided sorting because of the poor quality of incoming recycled products. The last three steps in the process come down to efficiency. At its core, the recycling facility is a business with employee costs, overhead and other commitments which must be overcome by the profit made from recycling materials.

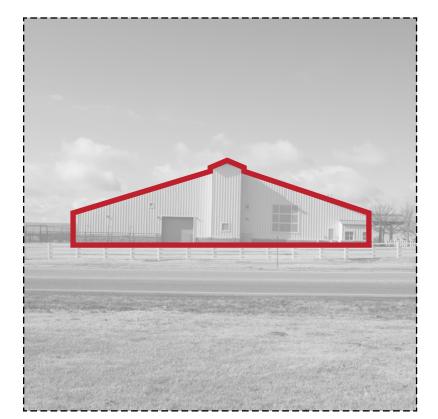


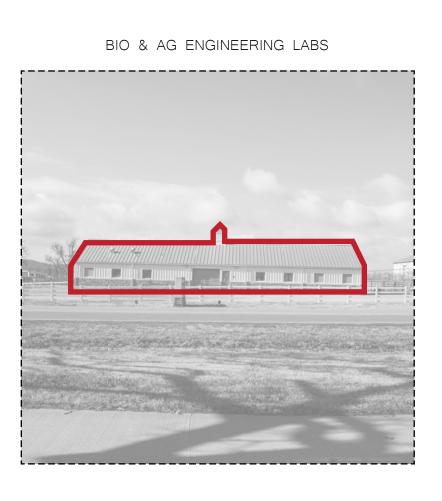


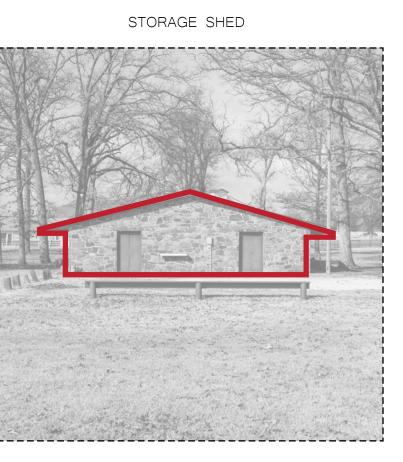


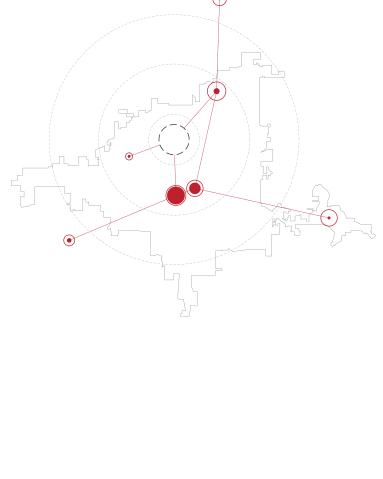


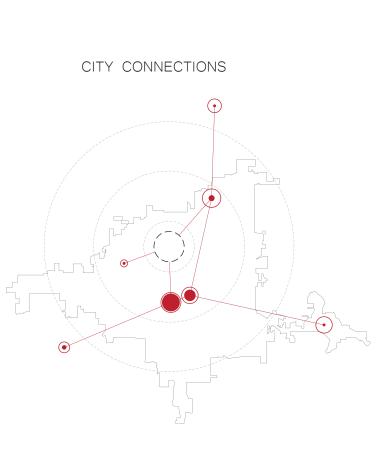
EXISTING TYPOLOGIES UNIVERSITY AG PAVILION

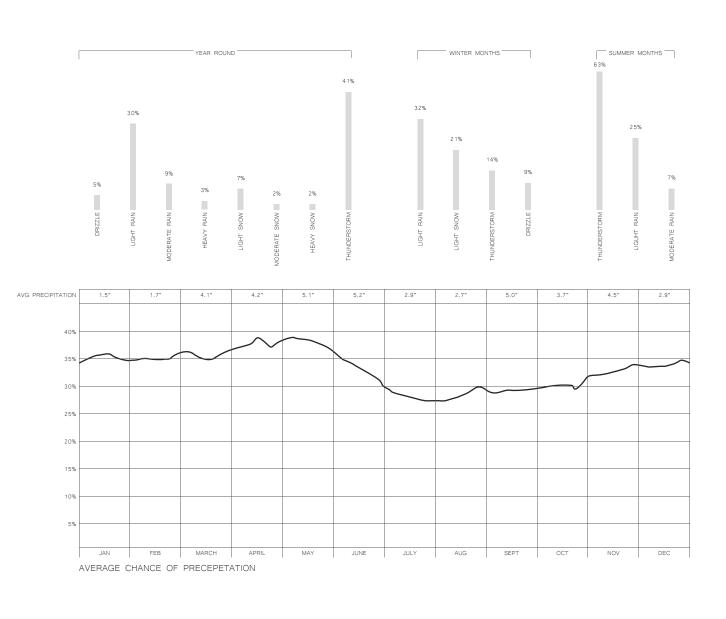


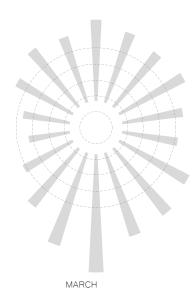


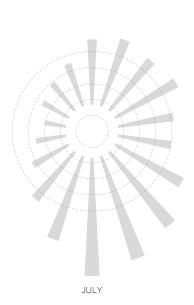


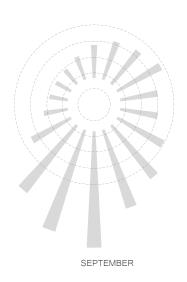












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8%	21 mph											
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