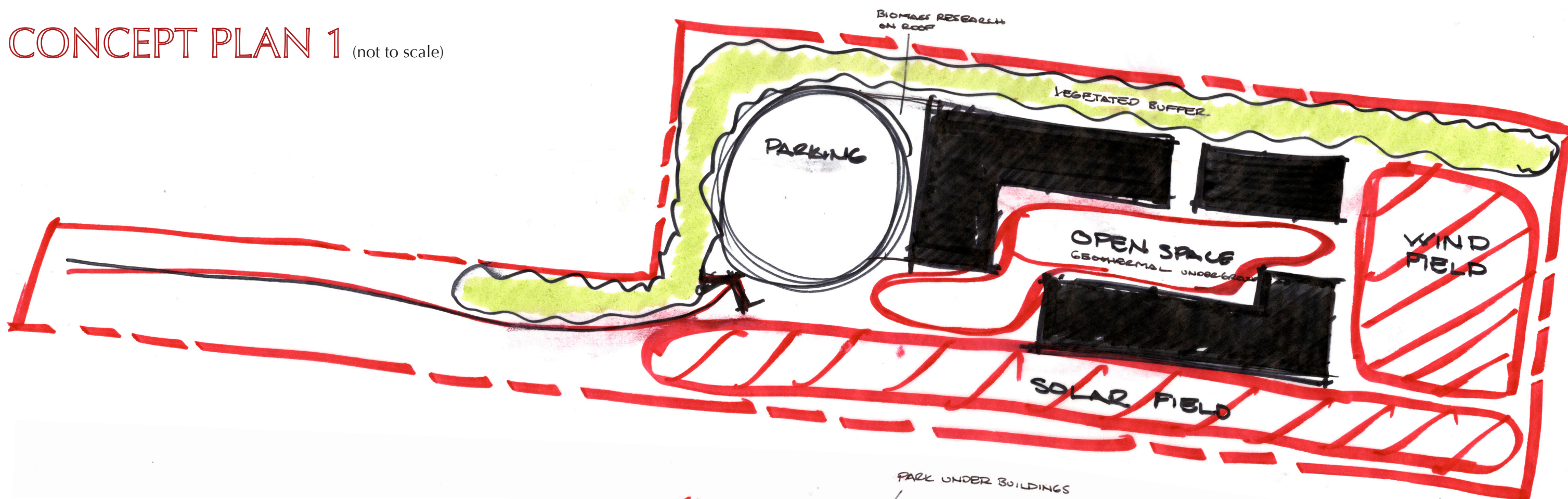




PROGRAM

- Renewable Energy Research Space
 - Solar (roof)
 - Wind (field)
 - Geothermal (underground)
 - Biomass (field)
 - Hydrogen & Fuel Cell (in building)
 - Test Homes
 - Used to test renewable energy sources at the residential scale
 - Open Space
 - For workers on campus
 - Places to sit in shade and sun
 - Buildings
 - Connected above ground
 - Roofs house solar panels
 - Includes food and beverage services
 - Connection to Surrounding Neighborhood
 - Road connections
 - Test homes
 - Proposed eco housing
- Why?**
- Will provide many JOBS for the area
 - Fits into the industrial aspect of the area
 - Jump start renewable energy RESEARCH in Kentucky
 - Will provide EDUCATION opportunities for U of L

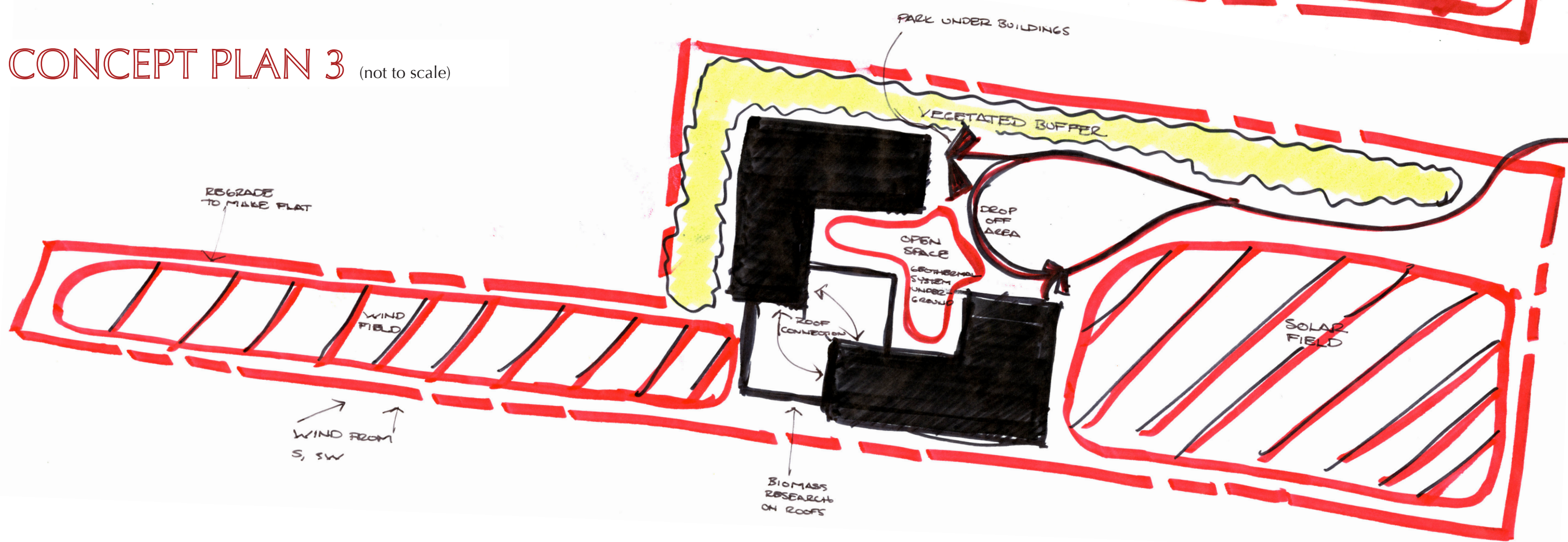
CONCEPT PLAN 1 (not to scale)



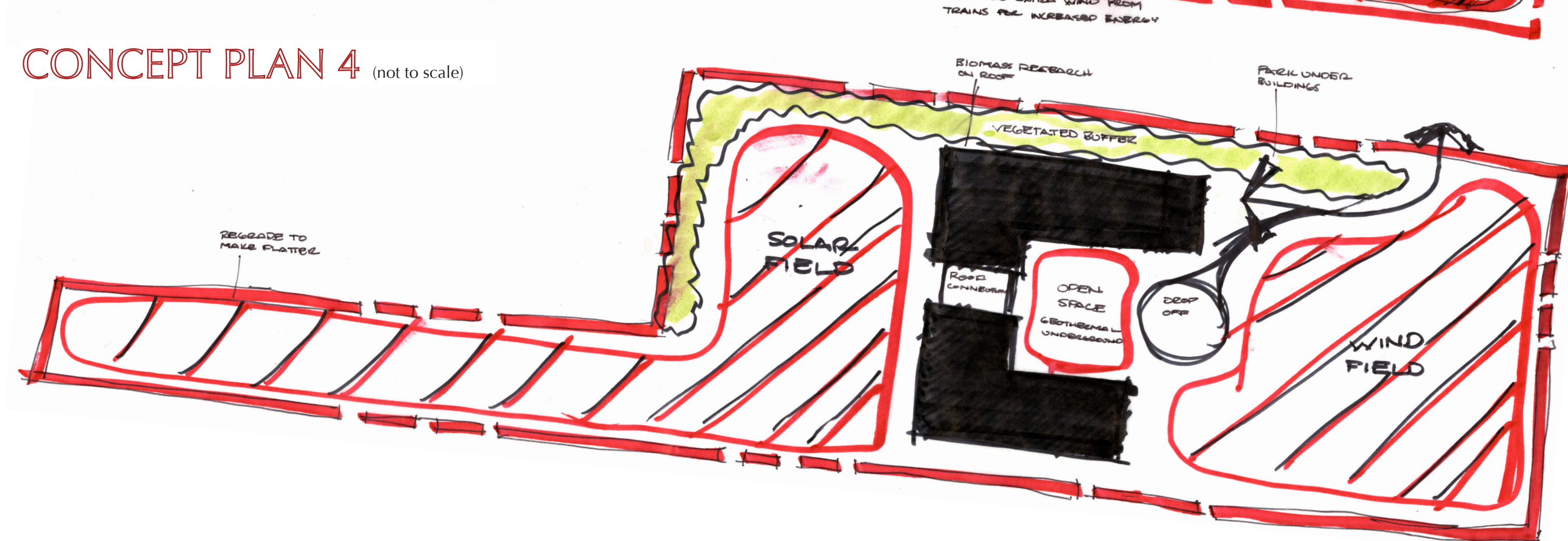
CONCEPT PLAN 2 (not to scale)

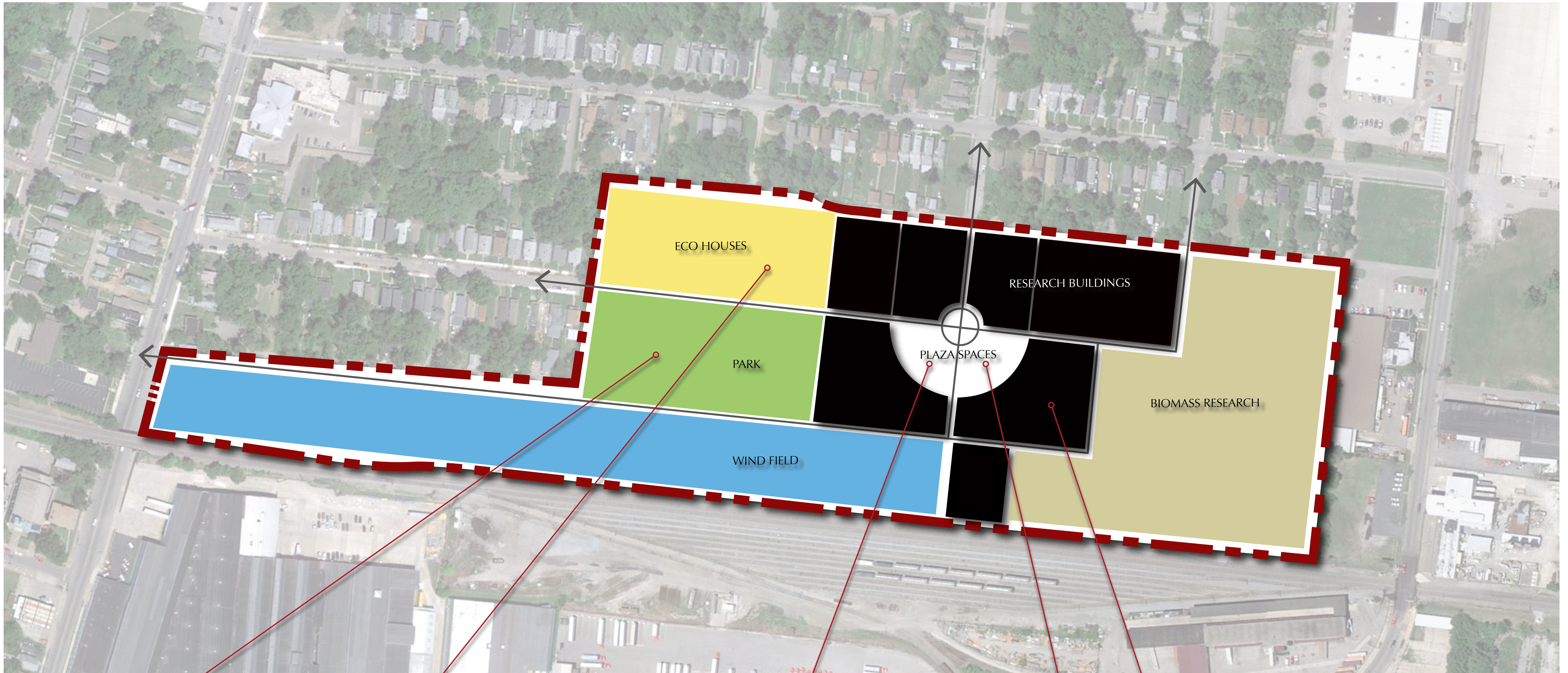


CONCEPT PLAN 3 (not to scale)

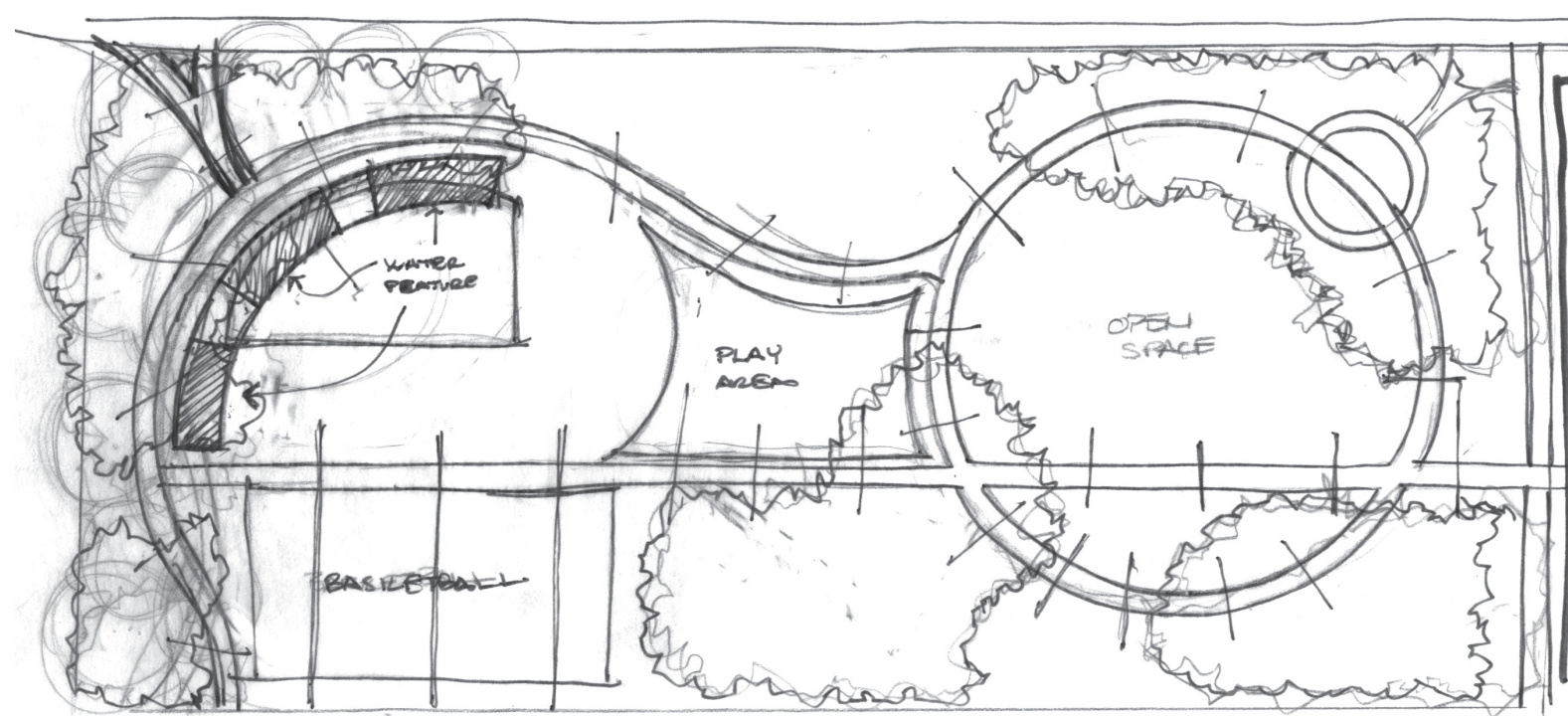


CONCEPT PLAN 4 (not to scale)

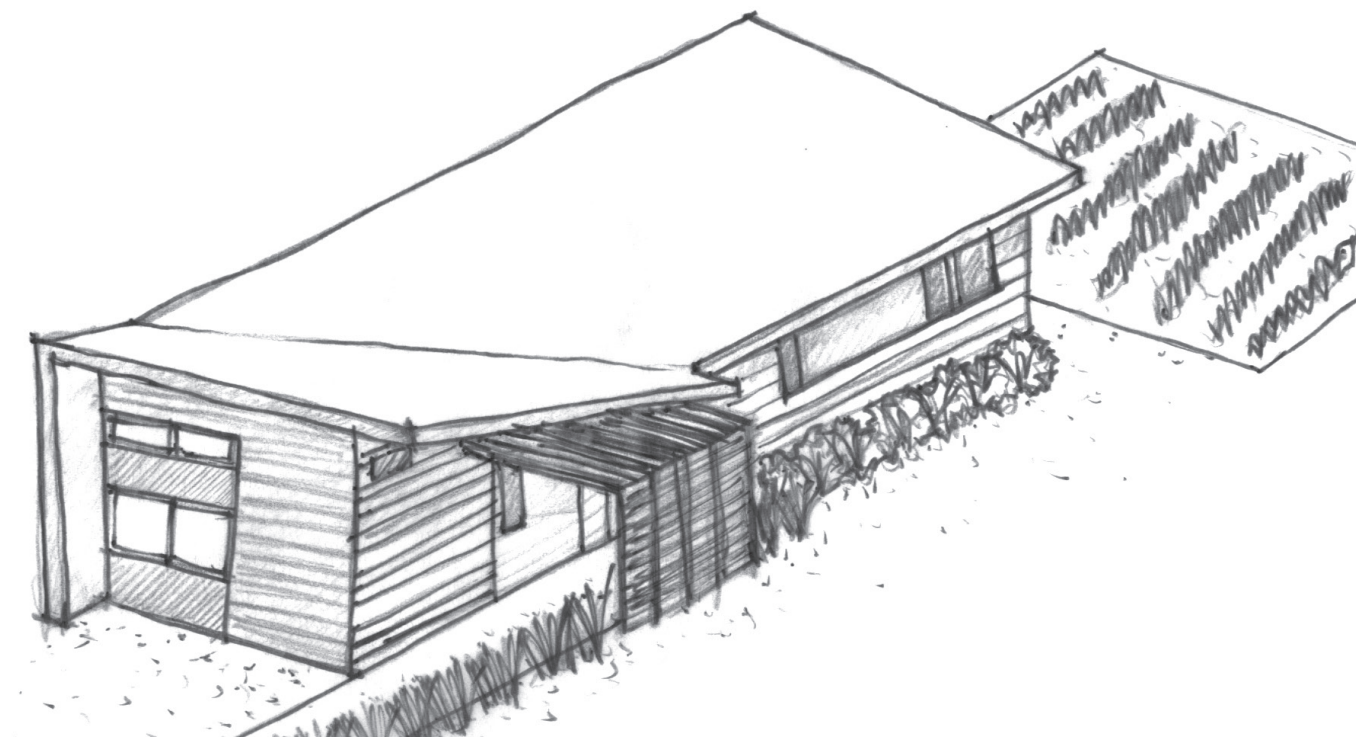




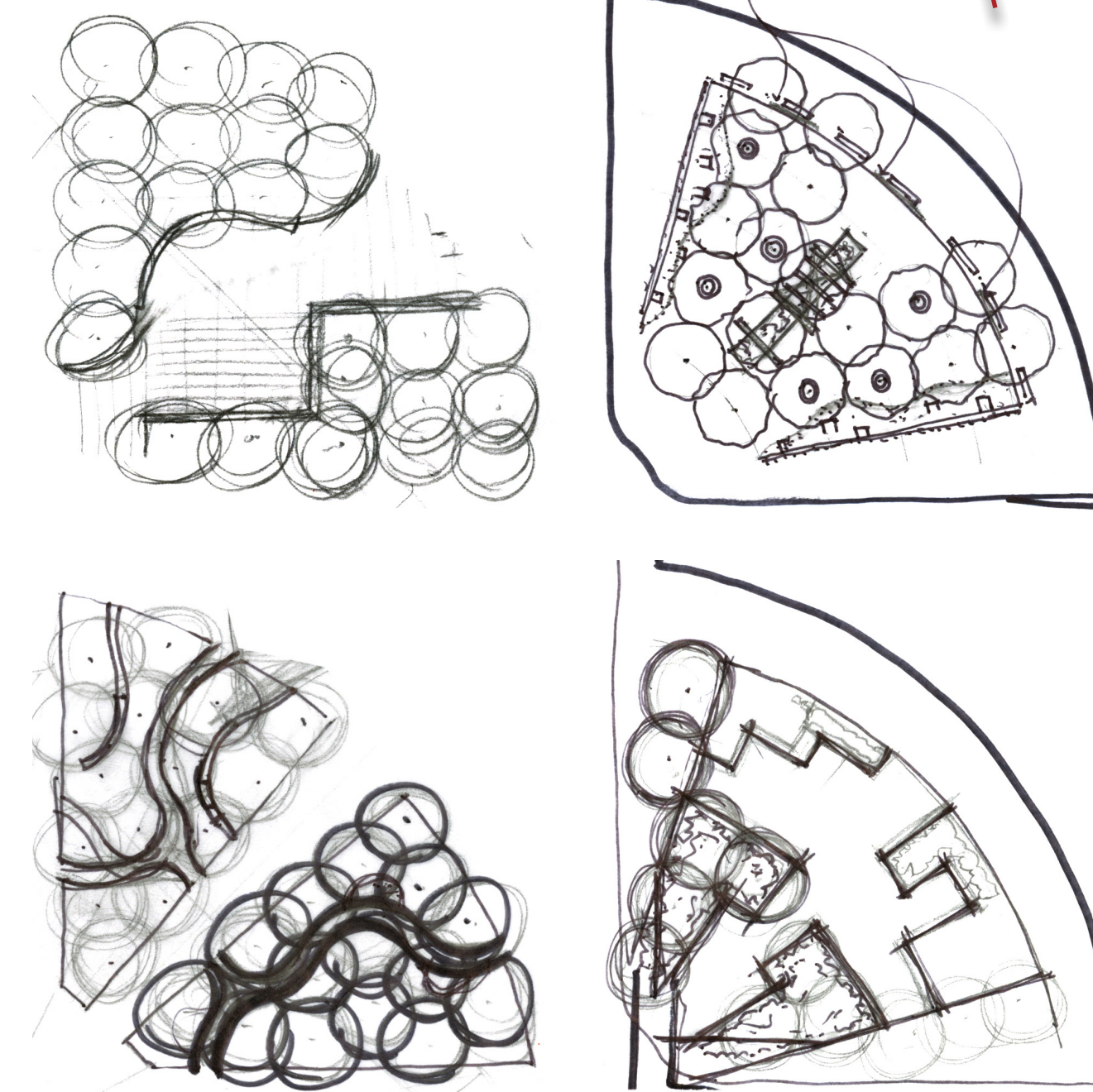
PARK CONCEPT



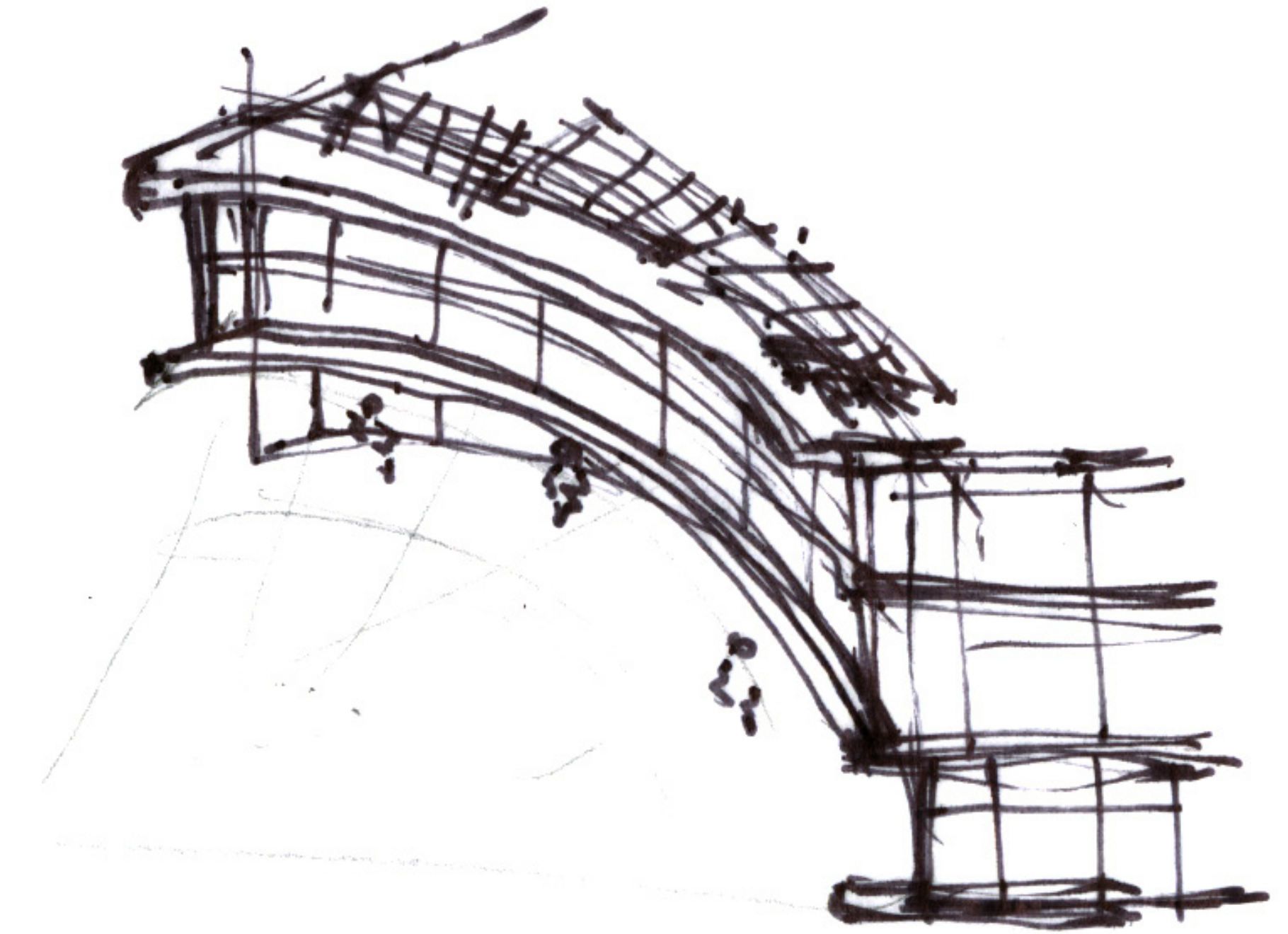
ECO HOUSE CONCEPT



PLAZA CONCEPT



BUILDING CONCEPT



Concept plans 1 through 4 were developed into the final concept plan shown above. Then, concepts were sketched for individual spaces within the plan. These individual spaces were then designed and developed to create interesting places for the public and employees of the research center to enjoy. Concepts drawings for the individual spaces are shown above. All the concepts seen on this page were developed further and put together to create the final master plan for the University of Louisville Center for Renewable Energy Research.



ENTRANCE DRIVE



PARK



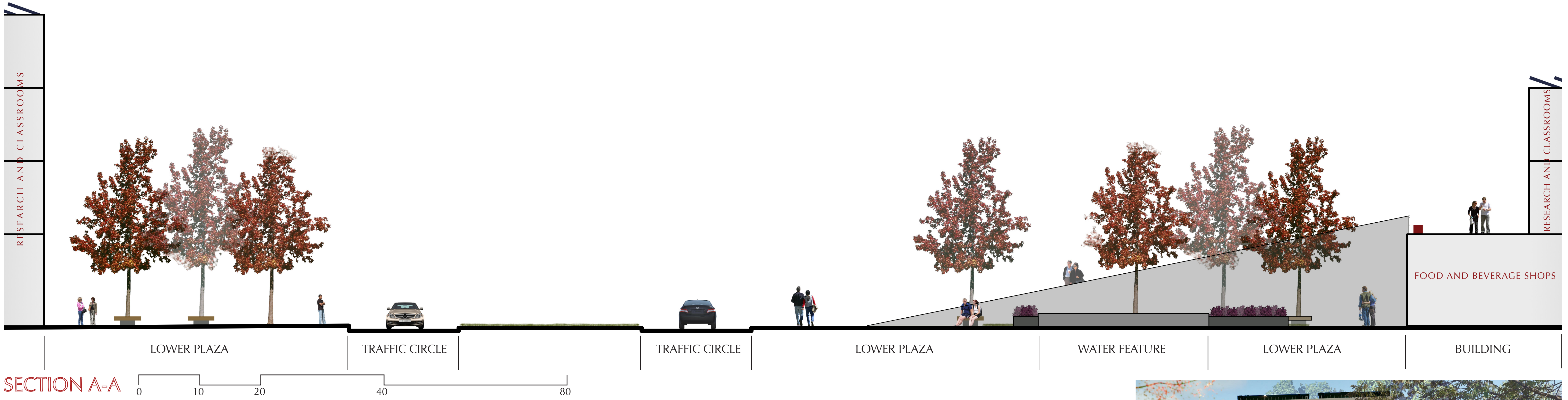
BIOMASS RESEARCH



RESEARCH CORE AND PLAZA SPACES



UPPER ENTRANCE



ECO HOUSE