This 1.07 acre residential site is home to 4 occupants who want to grow their own food, and care about the environment. This design implements the use of environmental technology such as solar panels and smart irrigation, with permaculture practices to reduce waste and increase sustainability. Solar panels will be installed on all existing structures and smart irrigation will water all features of the site. All plant material is chosen for a specific purpose whether that be for food production or soil remediation. This site is not a source of energy, but rather a creation of a never ending energy loop.