Growing from Energy to Community. Catenary Arches Made from Local Dirt

Moving towards a home for innovators and wildlife means respecting natural spaces and creating circularity and positive impact. In much of Fly Ranch, doing better than what has been done is easy. Humans have impacts that are of controversial value. Multiple explorations for different types of resources mark the site as do impacts from grazing animals and irrigation.

This catenary space constructed with local soil could provide a place to cook, recharge, and gather while working towards the future with the Burning Man community. This structure starts low on the ground, bent like a piece of driftwood. Its narrow end holds a cistern for water and equipment to provide stored energy in the form of both electricity and cooking gas from solar power and electrolysis. Some of the electricity is used for refrigeration to complete all the requirements for a kitchen space.

As the space is constructed over time, it grows and twists along with the winds of the whims of its builders. This representation’s uniform space can give way to many considerations as to the size and direction of the vaulting.