silicon valley arc

Observation Deck
Interior observation deck and community event space with sweeping views of downtown San Jose, **the top of the structure maxes out at 160’-0”**

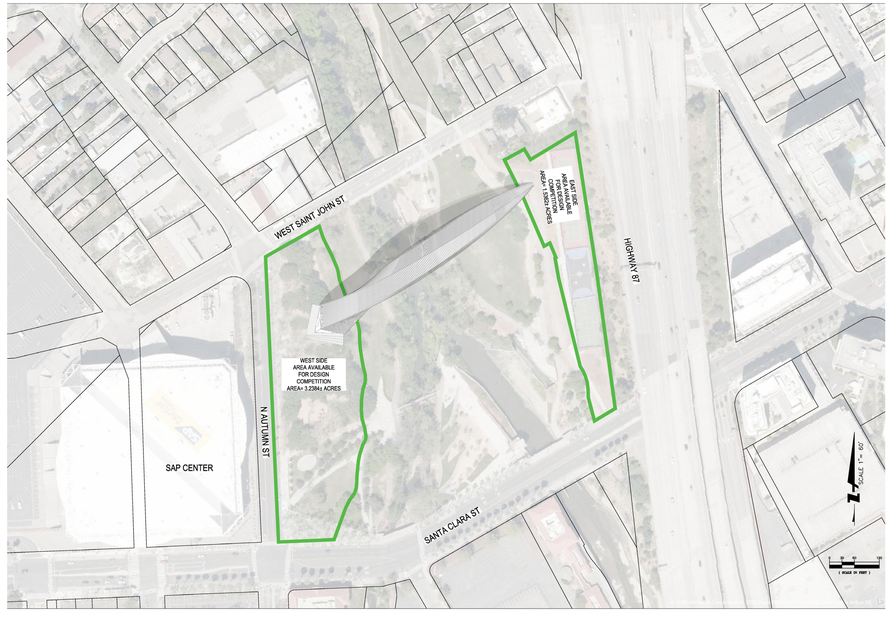
Structural Support
Eastern leg of arc structurally and aesthetically completes the form (uninhabitable), photovoltaic cells to be mounted to the roof as it shifts southward

Entrance Lobby
Access to observation deck via inclined elevators

silicon valley arc

project statement + site map

The **Silicon Valley Arc** will be an iconic piece of habitable architecture that spans across the Guadalupe River in the existing Arena Green park in San Jose, CA. The arc will stand at 160' tall at its peak and be composed of a twisting skin that allows for sweeping interior views and signifies the ever-evolving advancement of technology in Silicon Valley.



The arc will be situated towards the northern end of the project site and allow for the existing carousel and playground to remain. The structural skin of the form will be clad in natural, sustainable materials to accent and reflect the existing natural environment.

The western base of the arc will contain an interior lobby where occupants can access an inclined elevator that will take them to the 120' high 5,000 sf interior observation deck to see sweeping views of all of downtown San Jose. The observation deck will also be used as a lecture or event space that local businesses can utilize. **This use case will create a commercial amenity that will generate revenue for city-funded community events to make the landmark a cultural amenity as well.** In addition, this can serve the proposed adjacent Google campus to the southwest whilst creating income for the city.

The eastern leg of the arc is uninhabited and completes the sculptural form while keeping intact the existing tennis courts and bike path. The arc spans clear over all required setbacks and river riparian zone. At night, the twisting form of the arc can be lit at its underside with led strip lighting to create a landmark object that is both significant at day and at night. The twisting roof form will also allow for photovoltaic solar collectors to be mounted on the structure towards the east and oriented towards the south to help achieve the landmark's net-zero energy strategy.