

SITE ANALYSIS

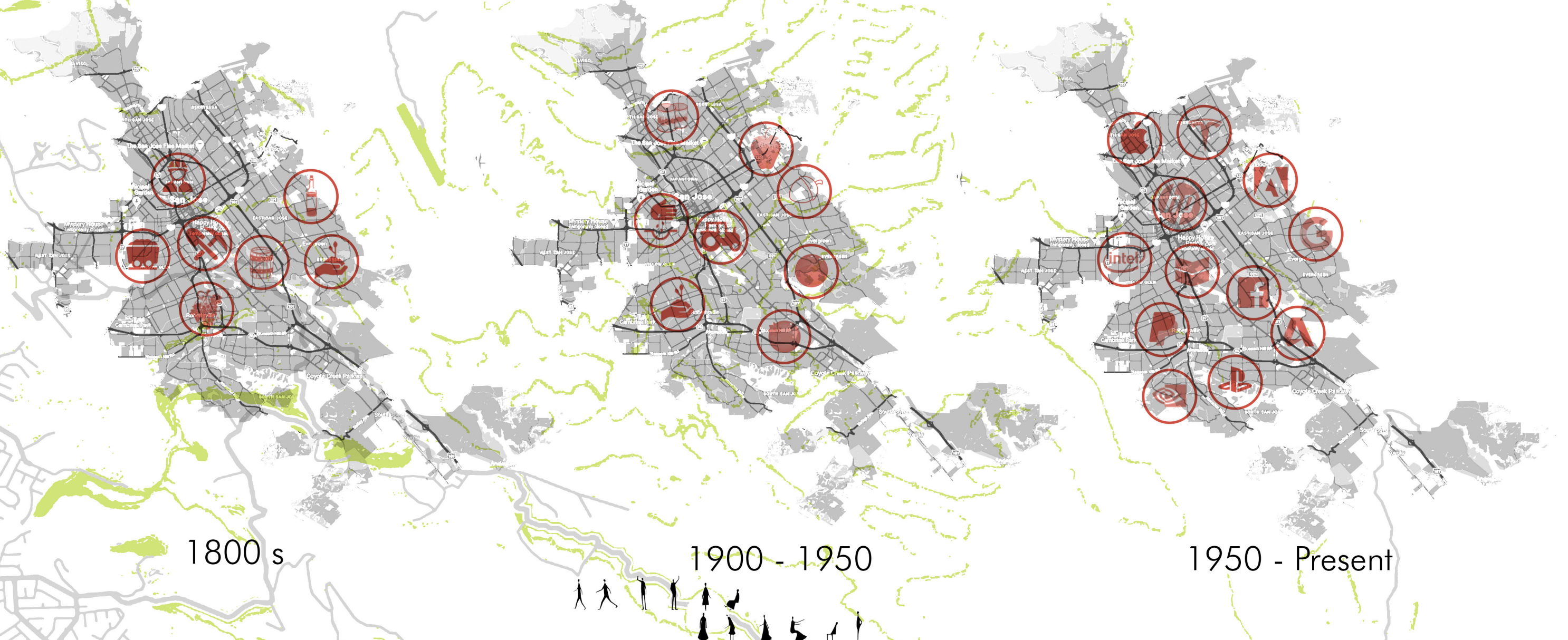
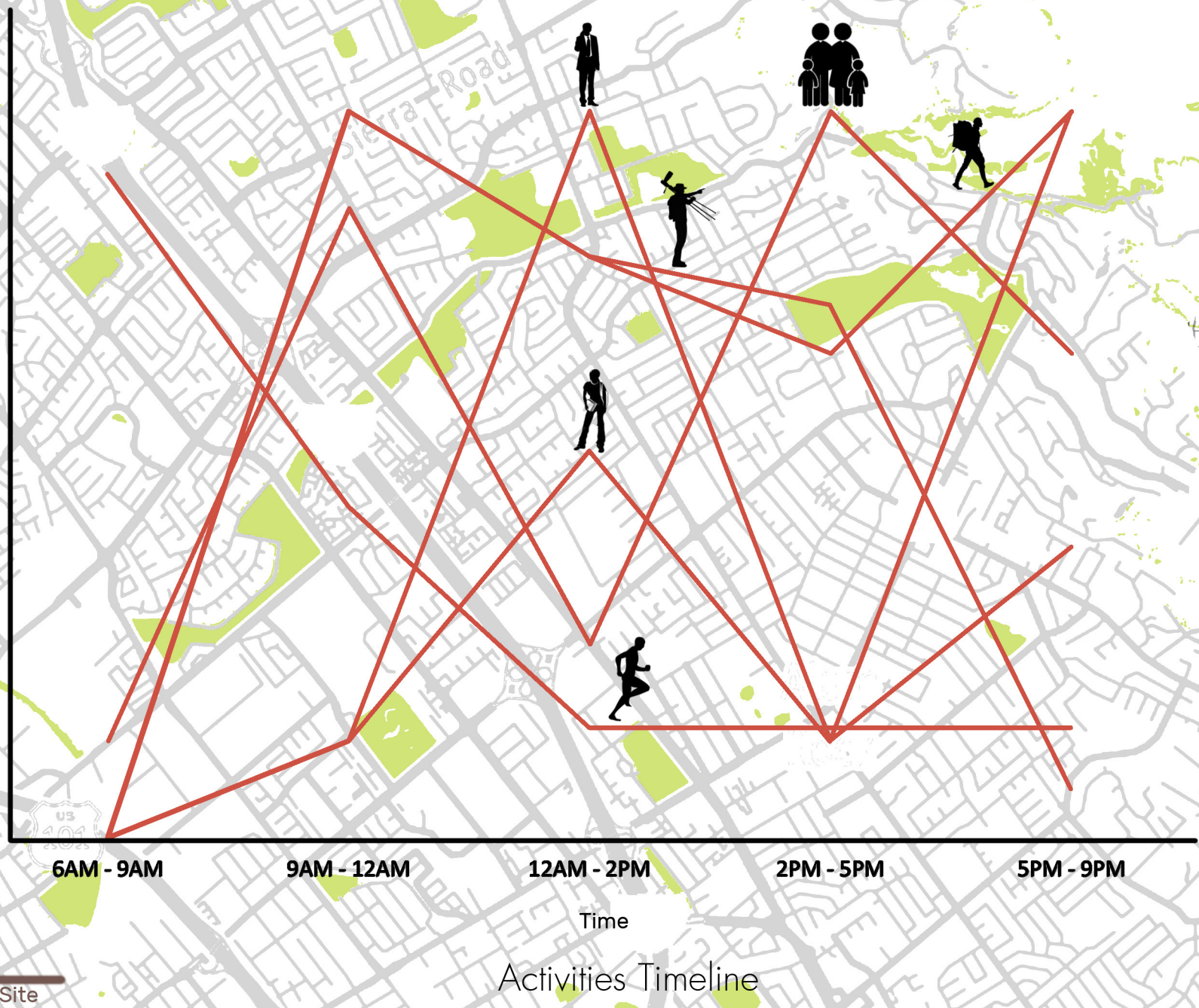
1 Neighbourhood

2 History

3 Culture

4 Green Cover - Minimizing Building Foot Print

5 Activity Mapping



- Site
- Cultural Diversity
- Places that bring traffic to site
- Symbiotic Relationship

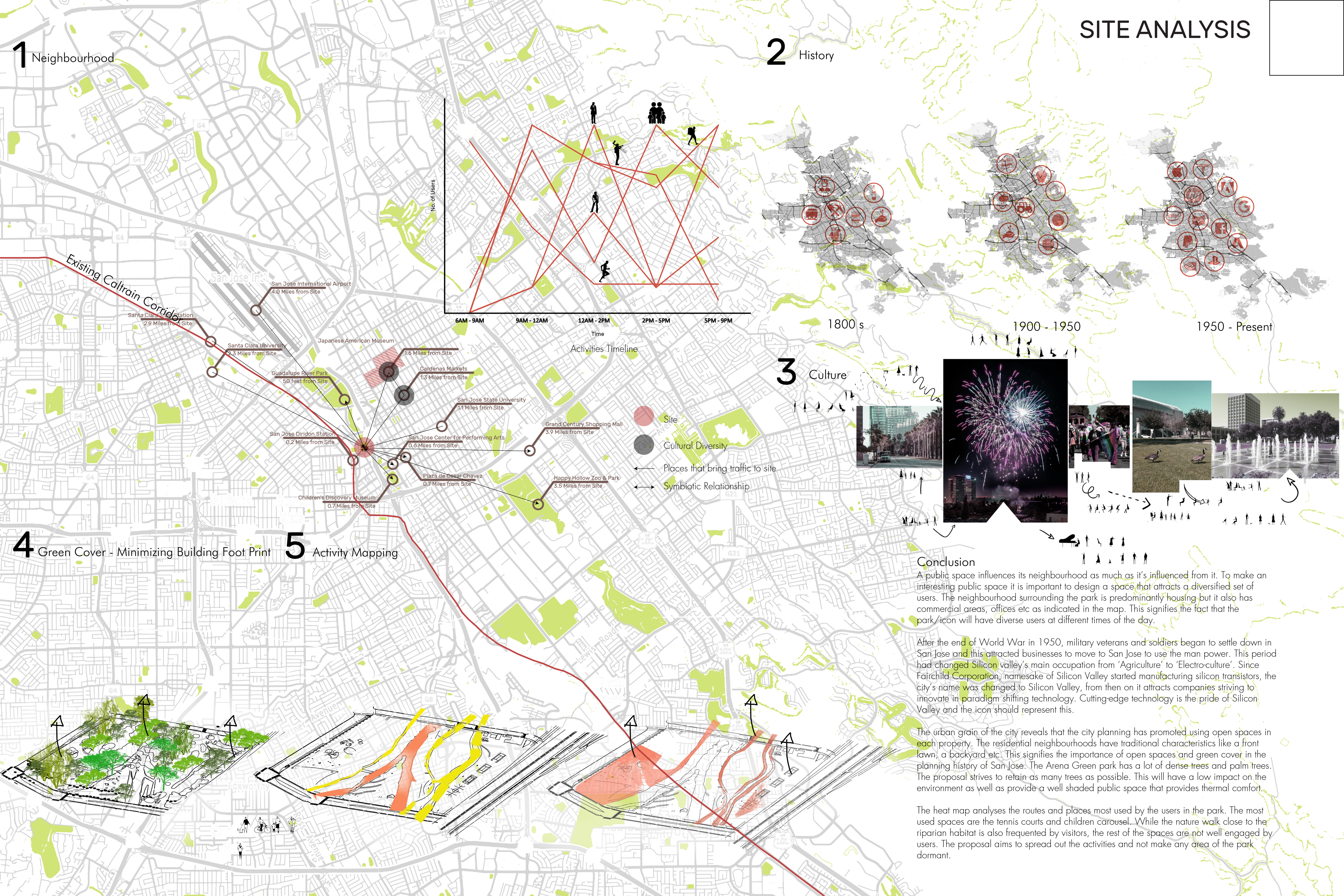


Conclusion
A public space influences its neighbourhood as much as it's influenced from it. To make an interesting public space it is important to design a space that attracts a diversified set of users. The neighbourhood surrounding the park is predominantly housing but it also has commercial areas, offices etc as indicated in the map. This signifies the fact that the park/icon will have diverse users at different times of the day.

After the end of World War in 1950, military veterans and soldiers began to settle down in San Jose and this attracted businesses to move to San Jose to use the man power. This period had changed Silicon valley's main occupation from 'Agriculture' to 'Electro-culture'. Since Fairchild Corporation, namesake of Silicon Valley started manufacturing silicon transistors, the city's name was changed to Silicon Valley, from then on it attracts companies striving to innovate in paradigm shifting technology. Cutting-edge technology is the pride of Silicon Valley and the icon should represent this.

The urban grain of the city reveals that the city planning has promoted using open spaces in each property. The residential neighbourhoods have traditional characteristics like a front lawn, a backyard etc. This signifies the importance of open spaces and green cover in the planning history of San Jose. The Arena Green park has a lot of dense trees and palm trees. The proposal strives to retain as many trees as possible. This will have a low impact on the environment as well as provide a well shaded public space that provides thermal comfort.

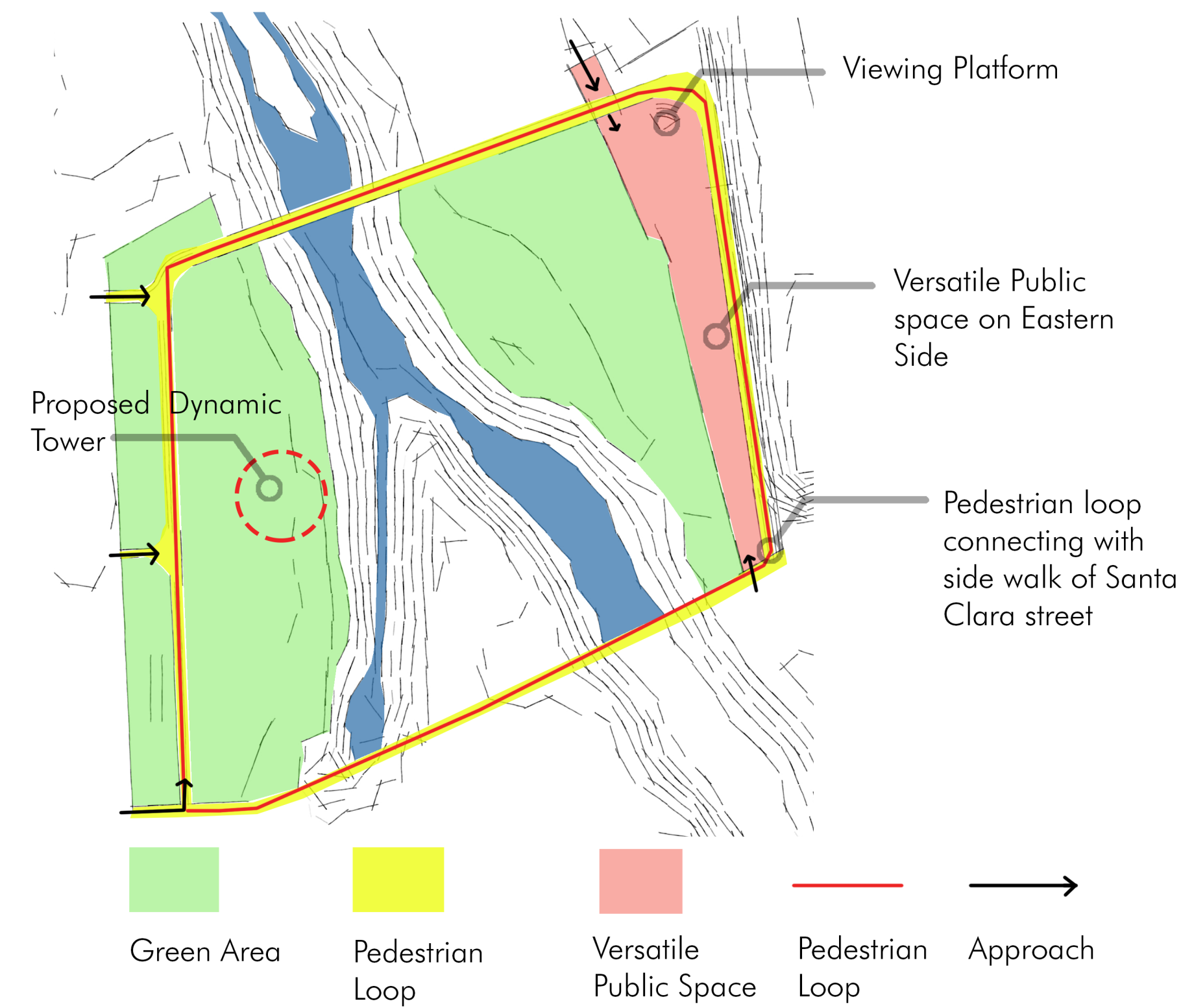
The heat map analyses the routes and places most used by the users in the park. The most used spaces are the tennis courts and children carousel. While the nature walk close to the riparian habitat is also frequented by visitors, the rest of the spaces are not well engaged by users. The proposal aims to spread out the activities and not make any area of the park dormant.



Concept

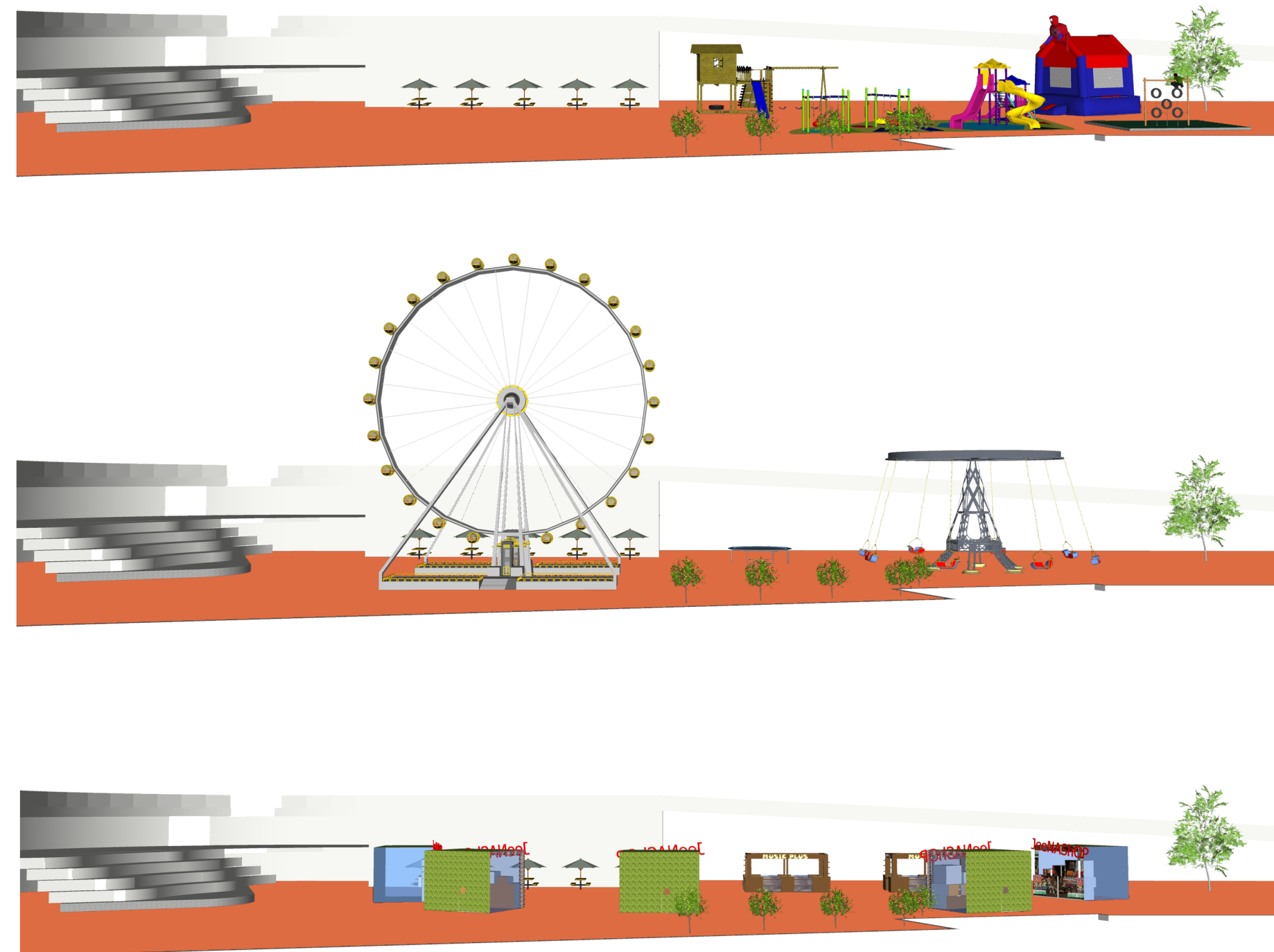
Landmarks have also evolved from statues and arches to towers executed with the help of innovative technology and engineering. What if the new icon can infuse the symbology of statue of liberty with contemporary technological innovation of CN tower? What if the landmark can inspire awe from a distance while providing with an increase in excitement as you move towards and reaching the peak could be an adventurous feat? What if the icon is built with advanced technology but is still sustainable? The proposal responds to the above-mentioned questions with a striking dynamic tower.

Site Zoning

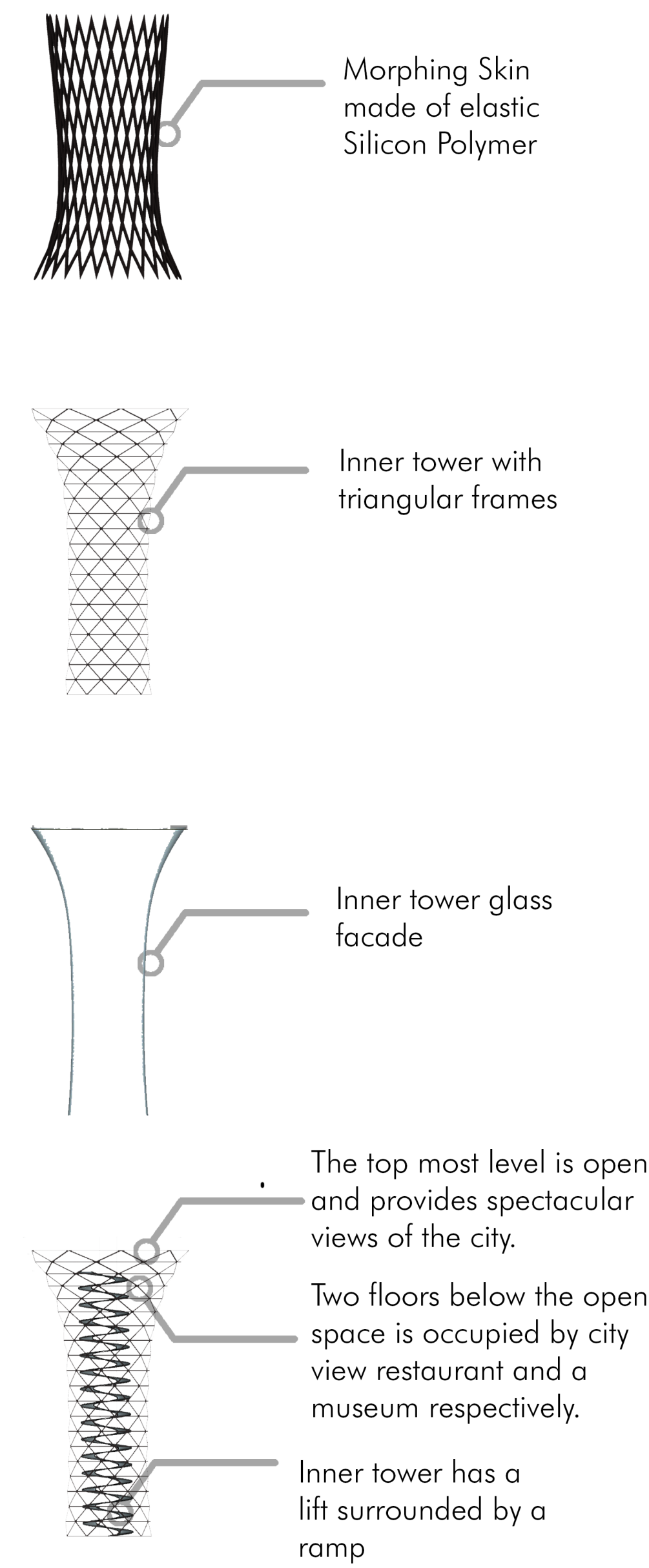


Versatility of Arena Green East

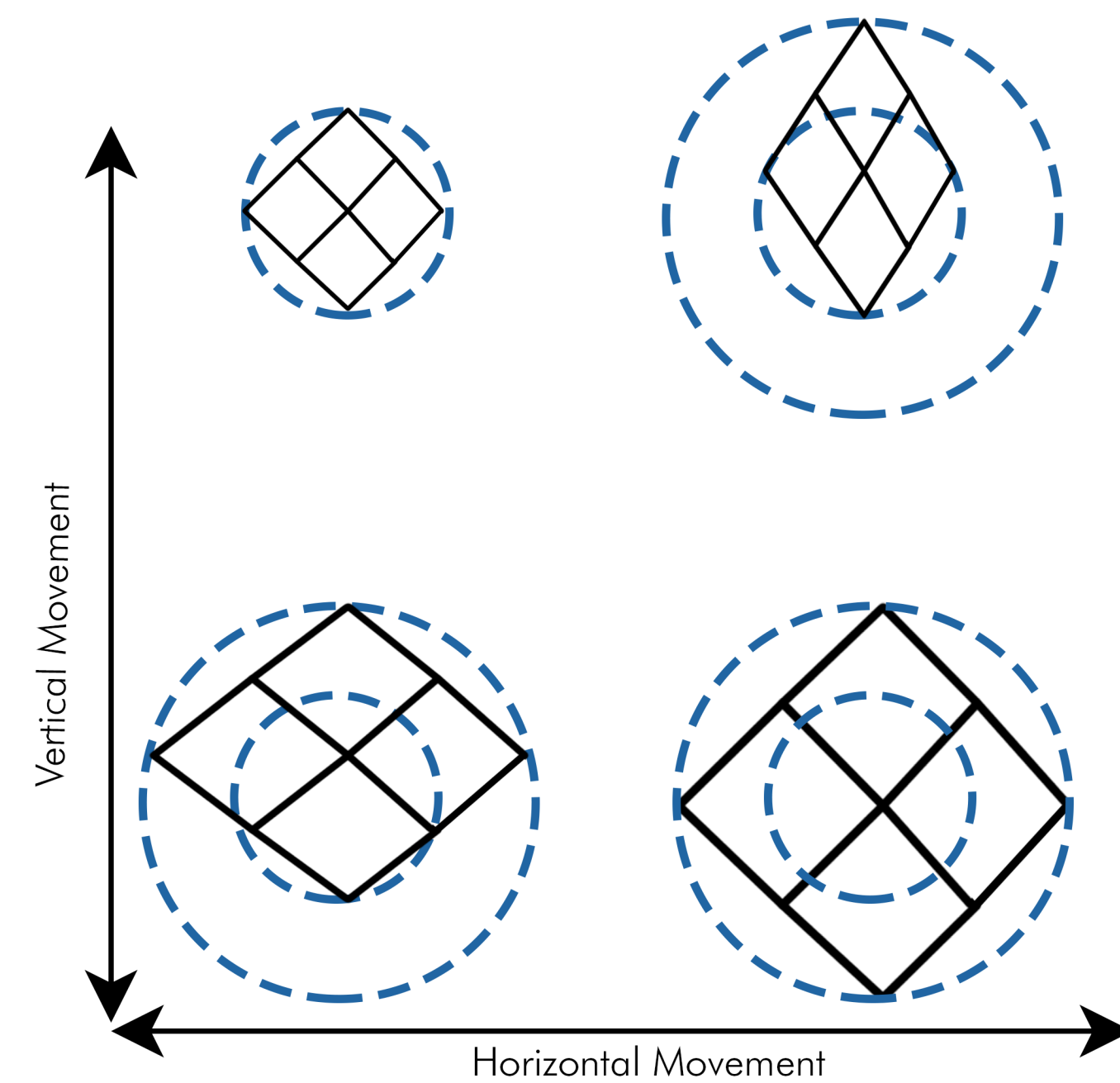
While the western side of the site is used for the icon, the eastern side is used for the public space that is versatile and caters to users classified in the analysis.



Exploded View of the Structure



Working of the skin



Aerial View



Silicon Valley is the tech capital of the world populated with people who are constantly trying to push their limits and make the impossible possible. The proposed dynamic tower is 170 feet high and has a dynamic skin that responds to climatic conditions. The movement of the skin doesn't rely on mechanical components but rather uses a cutting edge technology of elastic silicon polymers that stretch and contract with the help of sensors and controls. The proposal uses rhombus shaped frames that expand both horizontally and vertically. During the day the skin can be expanded with respect to climatic conditions while at night it can be contracted to occupy as minimum space as possible in the sky, thus not intruding any natural bird activity in the sky.

