

Data Gate

Overview

Late in the 19th century, eight years before the Eiffel Tower, The Electric Light Tower in San Jose was erected to demonstrate new technology. It was the embodiment of technological advancement and a manifestation of the second industrial revolution – the era of electricity, petroleum, and steel. Now, in the 21st century, we live in what has been called the third industrial revolution. It is characterized by “fundamental economic change occurring when digital communication technologies converge with new energy regimes” – with the advent of the third industrial revolution, the information age was born in Silicon Valley. Signifying the importance of this era - at the urban confluence; digital information, communication, and a data driven economy intersect to create a nexus, an attractor for people to build community through the exchange of ideas, experiences, and art.

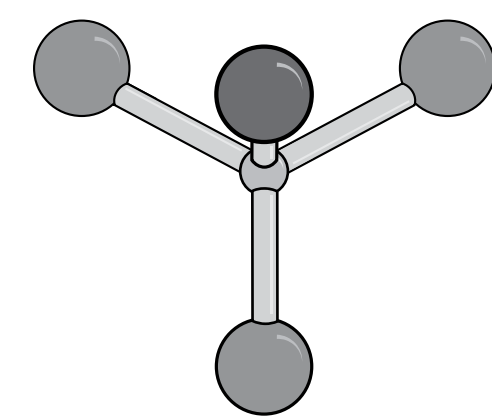
Arena Green Reimagined

A new urban plaza anchors the southwest corner of the Arena Green, providing a much needed public gathering space for the City and the SAP Center. Data Gate becomes the new entry to the park. Pedestrian paths and a landscaped bridge unite the entire park from east to west. The bridge widens in the center providing a moment to stop, view the city, river and Data Gate. During festival times and all through the year, park visitors can make their way from the SAP Center to Little Italy. All along the pathways and bridge a “path of silence” is provided by a sound cancellation system which will give everyone a peaceful experience and respite from aircraft noise.

Data Gate

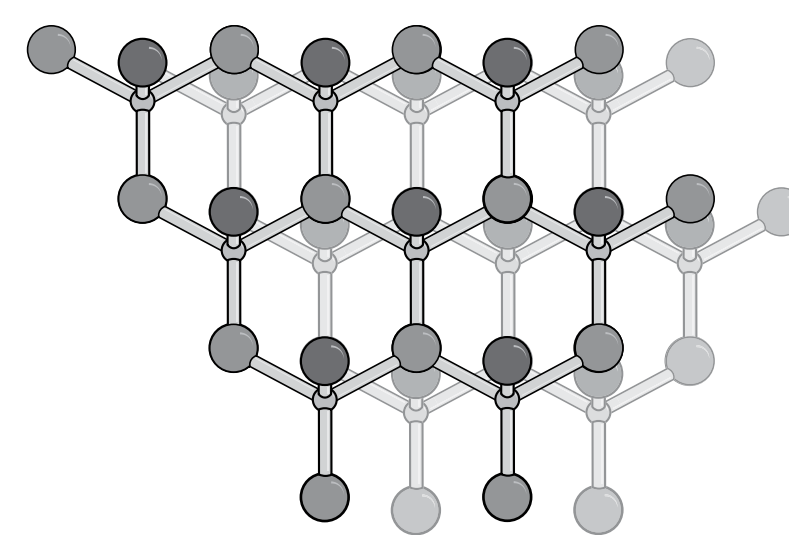
The Data Gate is a dynamic symbol of the information age in the heart of Silicon Valley. Rather than a static monument, Data Gate is experiential, changing depending on time and position. It is composed of a 3D lattice of identical modules. A rapid prototyped structure, modules are assembled on site to form Data Gate which supports the bridge with suspension cables.

Net zero energy is achieved using photovoltaic cells embedded on the bridge surface and in the hardscape. The sun powers everything in the park. Digitally controlled lighting brings Data Gate to life. A revolving collection of local artists are commissioned to design lighting experiences. Artists will sample data provided by park visitors to create varied lighting effects. Through light, Data Gate synthesizes shared information into an immersive and memorable sensory experience.



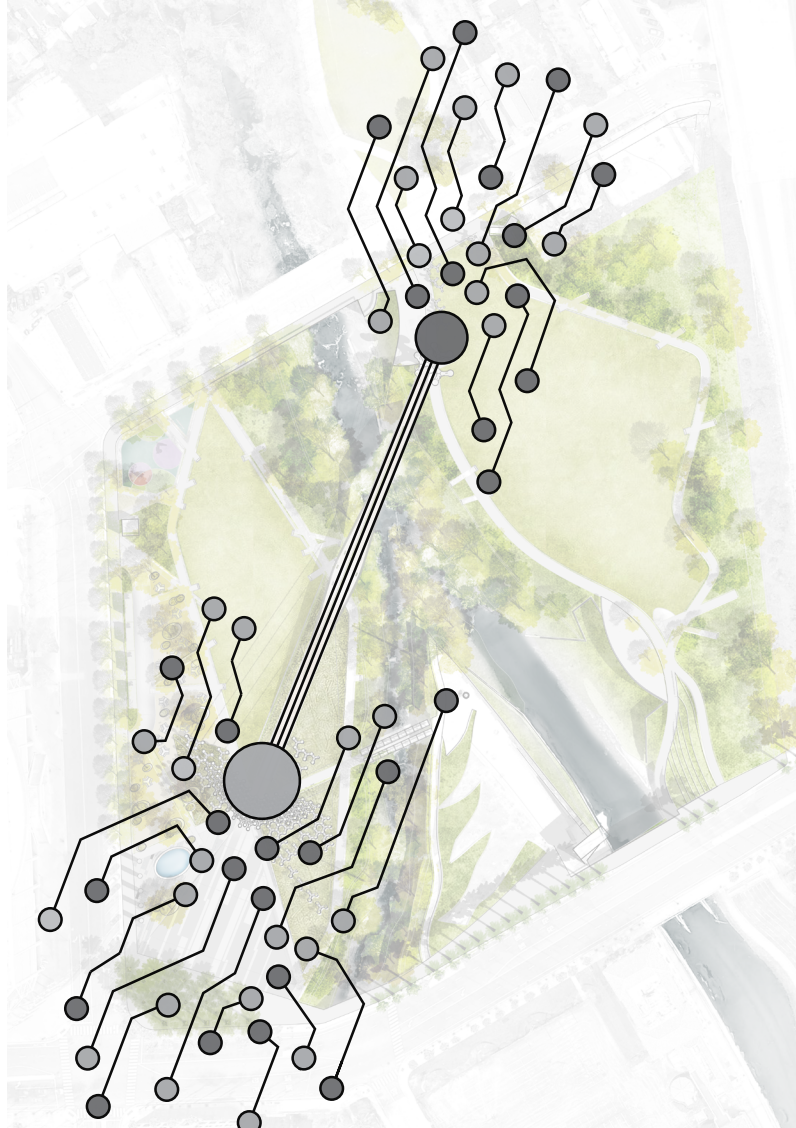
Silicon Molecule

Silicon, the building block of electronics, one of the most abundant elements; uniquely capable of both conducting and insulating electrons. When joined with other molecules its crystalline geometry becomes an interconnected bonded structure.



Bonded Structure

When joined, Si creates a strong network of pathways and confluences. Data Gate is an abstraction of this form – representative of both the elemental structure of silicon, and the interconnected digital network of the information age born in Silicon Valley.



Site

Data Gate is the focal point of the reimagined arena green allowing for better pedestrian connections through the site.

This pedestrian circulation highlights the confluences in the natural world – the joining of the Guadalupe River and Los Gatos Creek.



Data Gate

Existing Monuments & Amenities

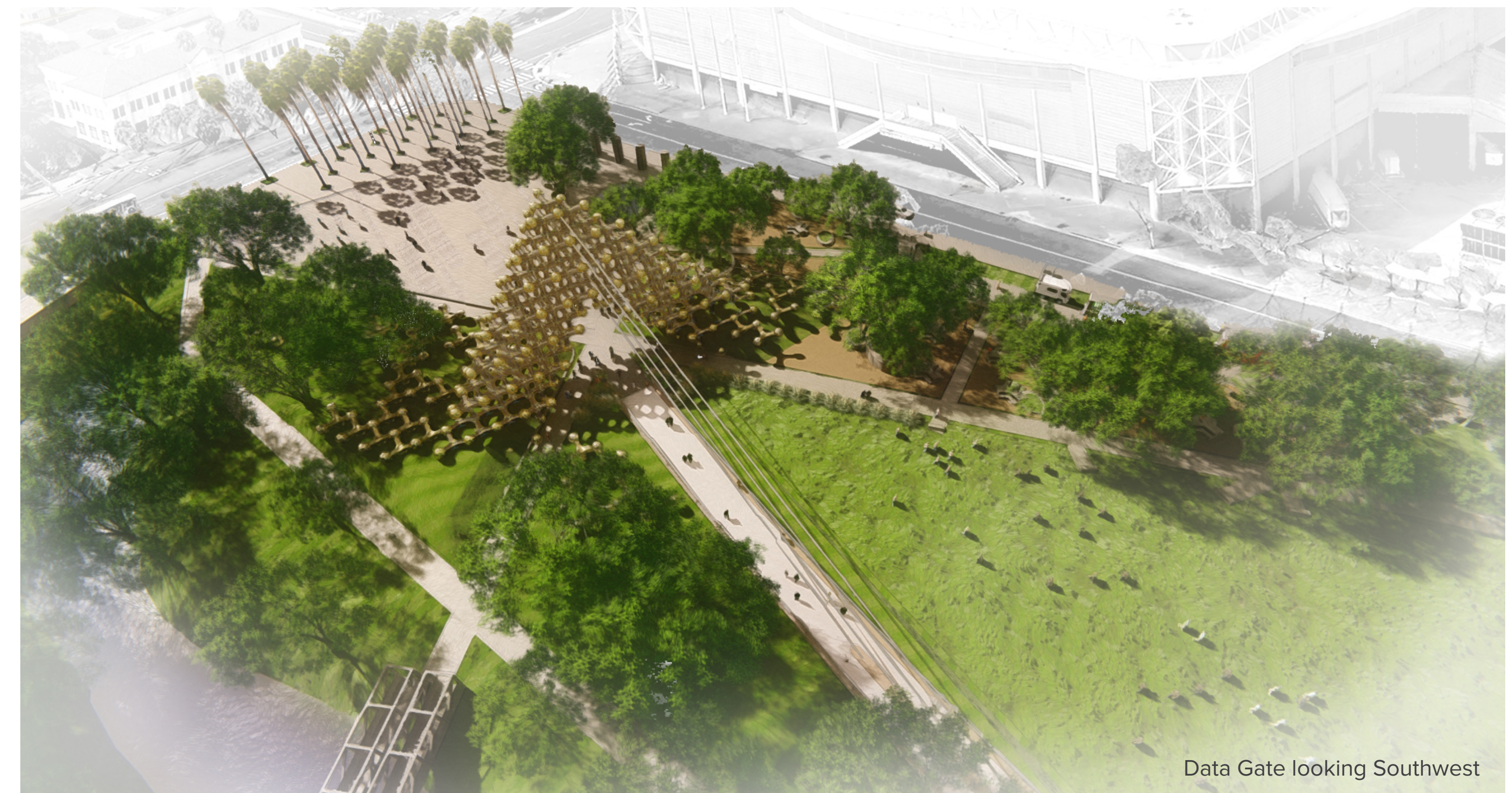
- A - Five Skaters
- B - Twin Pedestrian Bridge
- C - Confluence Point & Weaver's Gift
- D - San Jose Vietnam Memorial
- E - Ranger's Station
- F - Santa Clara Street Overlook Plaza
- G - Tributaries Monument
- H - Henry's Hi-Life
- I - Little Italy
- J - Saint John Street Overlook Plaza
- K - SAP Center

Arena Green Reimagined

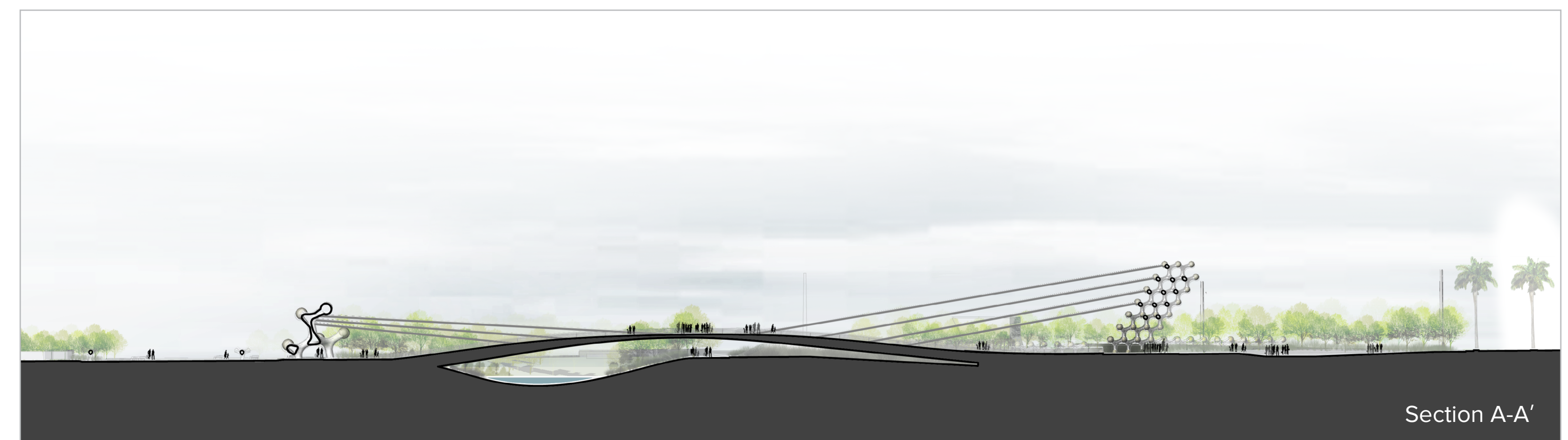
- 1 - Data Gate & Urban Plaza
- 2 - Suspension Bridge, Path of Silence & Overlook
- 3 - Data Gate East
- 4 - Silicon Cafe
- 5 - Children's Play Area
- 6 - Public Lavatory
- 7 - Picnic Orchard



Arena Green - Data Gate looking Southeast



Data Gate looking Southwest



Section A-A'