

OS©illator 23/24 UAL BAA 22022045 Yonghao Li

Fort hub for the youth set under signal tower's relics

OSCilator is extracted from the word Oscillation, which means a physical occurrence in which a certain state changes repeatedly over time. OSCillator (OSC) is a place that provides extracurricular interest classes for young people, and OSC wants to cultivate the curiosity of the next generation through the power of education. We hope that the power generated by the youth's oscillation with the local culture will be perceived by everyone.



Mitcham History



Aromatic frontiers

In the 16th-18th centuries lavender was valued for its recognised medicinal properties and in Mitcham due to favourable growing conditions lavender was promoted and widely cultivated.

The Pastoral of Fields Initial identity of the region Mitcham's economic engine

Benefiting from the high quality of local produce, Mitcham's herb distilling, calico printing and tobacco processing industries are major assets. The boom has created significant employment and community prosperity.

Industrial Heart Unstoppable growth

Before 1860, railway transport replaced horse-drawn carriages during the Industrial Revolution, driving Mitcham's industries to seek productivity and transforming small and medium-sized businesses. Horticulture gradually gave way to manufacturing.

Back to the Nobody Urban restoration

The trauma of the war 100 years ago pulls more narratives back into the lives of residents. New markets and residential redevelopment and development, the urgent need for egalitarian and fast affordable architectural solutions, and the demand for a mix of different community functions are on the table. Banality and Neutrality.

Symbols of strength Hard infrastructure over ecology

Convenient infrastructure introduced gas pipework, the largest gasworks in the area, like the elephant in the room, raised health concerns, and into 100 years of iterations, from being a gas storage to now being dismantled and becoming the offices of the National Grid.

The Melting Pot Multi-Protagonist Community

Traditional farmland is gradually taken over and Mitcham brings different people together. Dense proletarian houses, full of churches and people. The neighbourhood is full of families raising children, Irish Jewish, Black and Asian families.

A New Beginning Reinvesting in the bottom

Mitcham continues to grow as a suburb of London, sharing the capital's huge population numbers and new residents. People enjoy Mitcham's accessibility and relatively extensive green spaces, and as new residents come in, the community has to choose between becoming a modern city or an idyllic town that embraces its traditional history and culture.





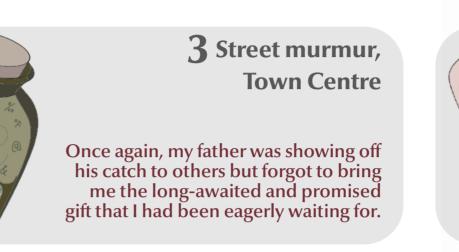
1 Midnight graveyard, London Road Cemetery

We agreed to explore the deserted, haunted house near the big tree pit we were gathered around, in the middle of the night. Our flashlights cast eerie beams, illuminating the sneering foxes lurking within the nearby jungle.



2 Herb farming, Lavender Park

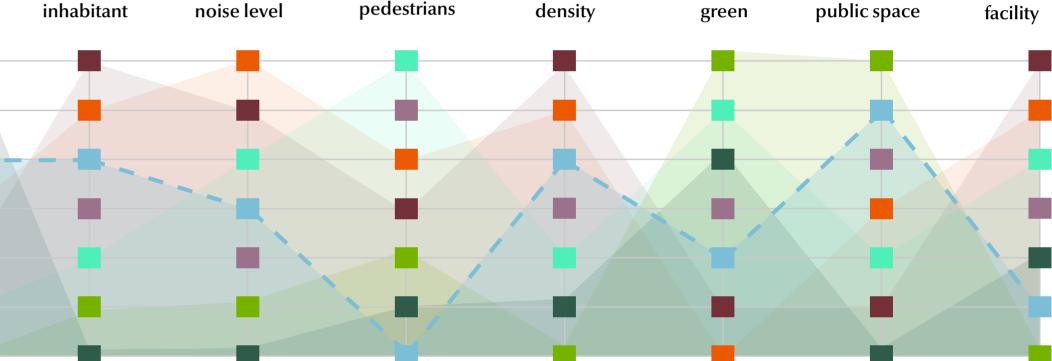
I ran through a lavender field with a friend who was wearing a wreath, and in our haste, we accidentally knocked over my uncle, who happened to be in the field picking lavender.

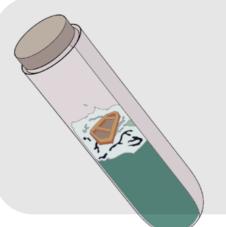




4 Waiting games, Eastfields station

My enthusiasm for traveling always dwindles while waiting for the bus, and as a little game, I playfully imagine betting that the first person to disembark the bus will be a girl.





5 Boat Adventure, Town Centre

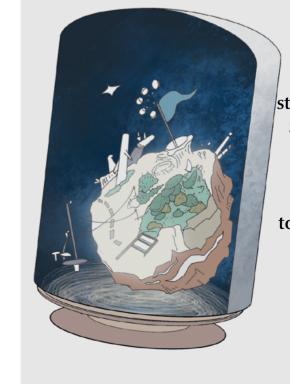
I was captivated by a cicada's call in the reeds, and behind the shimmering vapor, I discovered a goose egg tucked away in a hidden corner.



6 Eternal Courtyard, Mitcham Common Park

I secretly held all the seeds I collected this year close to my heart, eagerly anticipating the harvest of a house full of flowers next year.

7 Secret bunker, Site, Former Gas Works



It was a no man's land strewn with the promise of gold, and I knew that one day, I would set foot on that land. There, I would build my own home and kingdom, perfected laws to banish all bitterness and evil, creating everything necessary for the all.

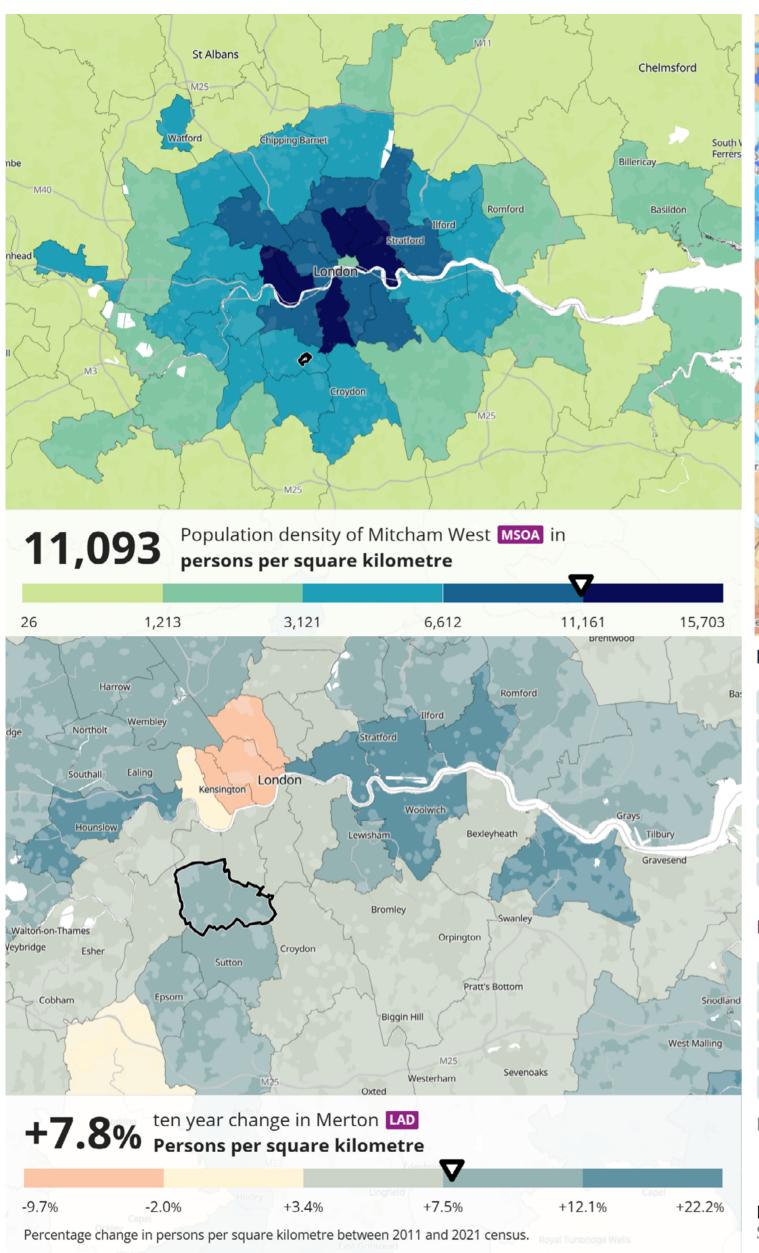


Site Existing Facilities Main Entrance Main Traffic

Conclusion

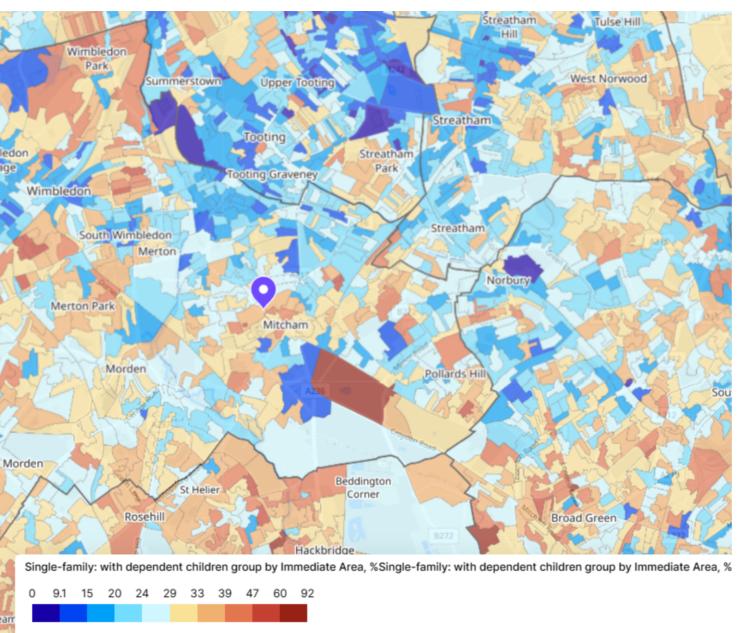
The site has good accessibility and there is a large amount of no man's land that can be used as an attempt for residents to actively access the intervention, develop sharing facilities, and develop a new place experience for the community shortage.

Working or Staying



Mitcham has an ethnically diverse and growing population due to cheap rents and an autonomous location relatively close to the city centre.

Factors such as over half of the parkland area and relatively good infrastructure have resulted in a population growth rate of 7.8 % in Mitcham, which is slightly higher than in London (7.7%)



Household Type

Single-family: with dependent children	35%
One-person household	21%
Single-family: no children	15%
Multiple families or unrelated people	13%
Single-family: with non-dependent children	11%
Single-family: all aged 66 and over	2.2%
Single-family: other	2.2%

Residents Age

Aged under 20	34%
Aged 40 to 59	29%
Aged 20 to 39	25%
Aged 60 to 79	10%
Aged 80 and over	2.1%

Date Source: Office for National Statistics--2021

Ethnic Makeup

White British	26%
Other White	16%
Other Asian	11%
Mixed	8%
Indian	7%
Other	7%
Black African	7%
Black Caribbean	5%
Pakistani	4%
White Irish	1.9%
Chinese	1.7%
Other Black	1.7%
Roma	1.3%
Gypsy	1%
Bangladeshi	1%
Arab	0.6%

Population change by age group in Merton over 10 years

fall

85 to 89

80 to 84

75 to 79

70 to 74

65 to 69

60 to 64

55 to 59

50 to 54

45 to 49

40 to 44

35 to 39

25 to 29

20 to 24

15 to 19

10 to 14

5 to 9

16%

Currently In Mitcham, population growth is concentrated among those over 35 and under 15 years

old. The 20-35 age group is leaving for larger cities, leading to children being entrusted to others for care, potentially resulting in a problem of children being

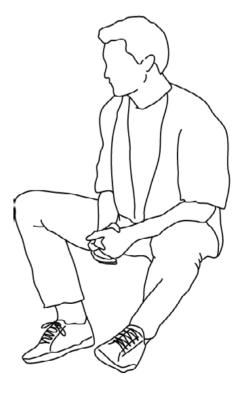
left behind.

We need time to work.
Who's going to look after the kids for me?

@ Ask the Neighbours or School to help looking after them...







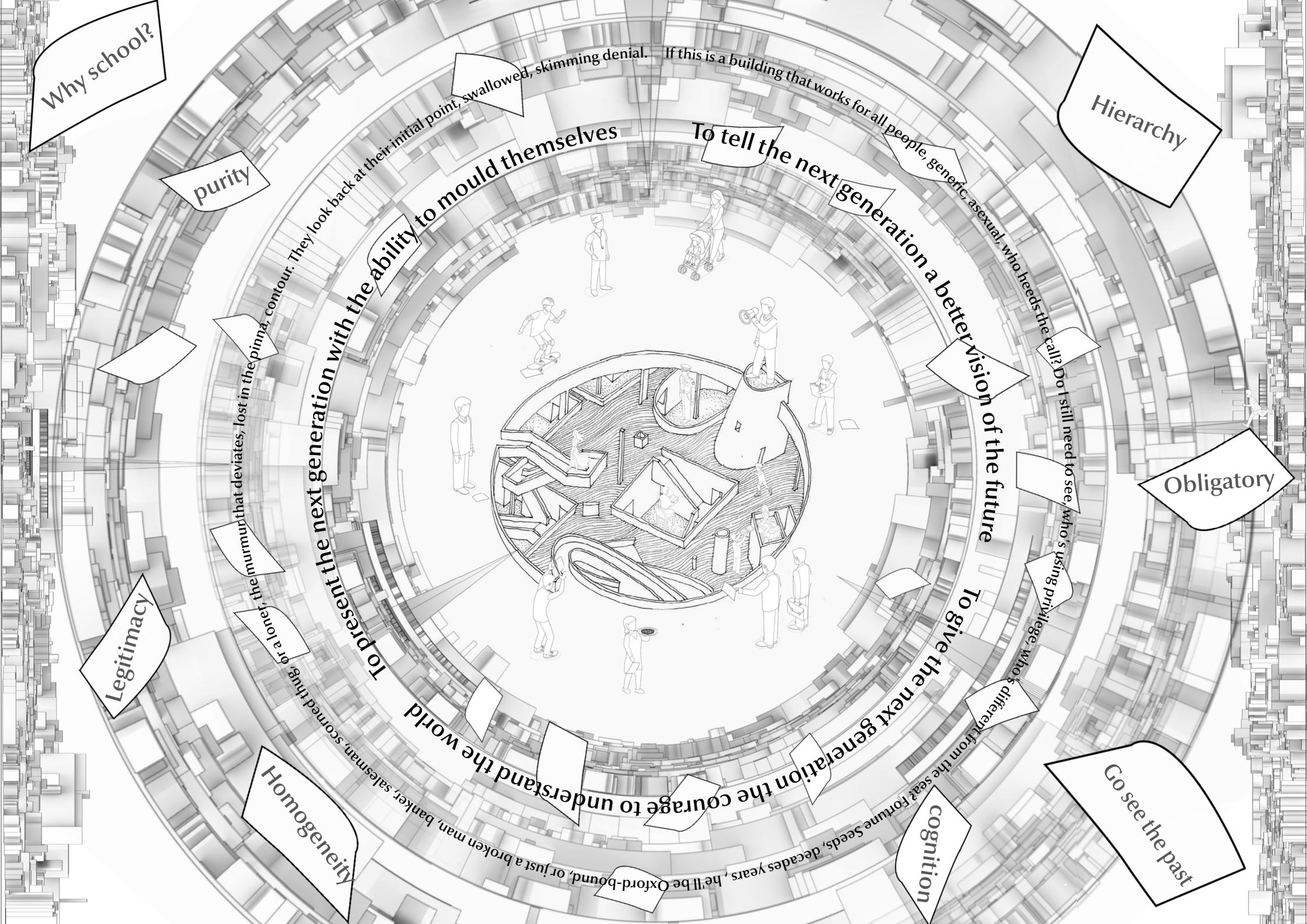
High in households with children, low in independent households

Single-family: with dependent children: 35% (London average: 27%)

One-person household: 21% (London average: 29%) Single-family: all aged 66 and over: 2.2% (London average: 4%)

Generally younger age under 20, fewer in the 20-39 age group Aged under 20: 34% (London average: 24%)

Aged 20 to 39: 25% (London average: 33%)



My Project Manifesto

In response to the contradiction posed by the growing multi-ethnic need for a better life and unbalanced and insufficient development, and guided by our commitment to protecting the next generation, fostering co-operative education, and fostering solidarity among subcultural communities, we, as architects, declare our dedication to an architectural manifesto that stands against oppressive ideologies and promotes the community's prosperity.

1. Liberation from Cultural Hegemony:

Our architecture rejects the vestiges of insular hierarchy and closed elitism that permanently perpetuate cultural hegemony. We advocate for designs that discover and respond to voices from different backgrounds, celebrate diversity, honour and sustain individual indigenous cultures, and empower communities to reclaim their own narratives and identities.

2. Preservation of heritage and local wisdom:

Architectural reflection should be rooted in the preservation of human heritage and local intelligence. We strive to create spaces that act as custodians of cultural legacy and ensure that the next generation inherits rich and colourful traditions, stories and values.

3. Collaborative Education for Empowerment:

Education is the cornerstone of empowerment. The architecture's spaces should be designed as group cooperative learning environments that encourage curiosity, creativity and collaboration. Through education, communities gain the tools to challenge oppressive systems and shape their own destinies.

4. Subcultural Community Solidarity:

Our design should seek commonalities and differences across cultures, and the building will be created to foster the integration of subcultures, fostering a sense of belonging, understanding, and shared prosperity.

5. Empowering the next generation:

Architecture has the power to shape the world for generations to come. The multiple social identities of different individuals are intertwined, and the medium of architecture will reveal the passions of different lives lived in different contexts. This sensibility will act as a catalyst to create a common language for the next generation, providing them with the details of daily rituals and laying the foundations for ethical, inclusive leadership.

6. Celebrate informal spaces and DIY culture:

We celebrate the spirit of informality and DIY within the community. The architectural design will reflect and embrace the organic growth of community-created spaces, fostering a sense of ownership and autonomy.

7. Participatory Design Process:

Architectural decisions will be made through a participatory design process that engages the community in shaping their environment. Every voice counts, and by working together, we ensure that the designs authentically represent the desires and needs of the people they serve.



Primary school and remedial classes for ages 5 to 11(Key stage 1-2)



Precedent Study

Tulou 土楼 in Fujian

Also known as " 土 Earth 楼 Building," features a stone foundation, walls made of rammed earth and by mutual trust among Tulou bamboo strips, An ancient structure typical of the defence against foreign enemies, Circular system in which the internal occupants are constructed as a large family. An open central atrium for social gatherings, and doors and windows that can be securely closed to protect against external threats.

The Word - National Centre for the Written Word By FaulknerBrowns Architects

Collective vs. solitary

A sense of security, fostered residents and through group activities, can ease social anxiety and rental stress, promoting better mental health. This strong sense of community can lead to collective achievements and prosperity, shaping a positive future environment for both the community and the next generation.



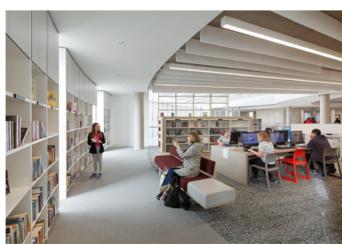
Circular, the building's appearance consists of two book page fans Creating a context of curiosity

Opening in the centre connects the park to the market access on both sides

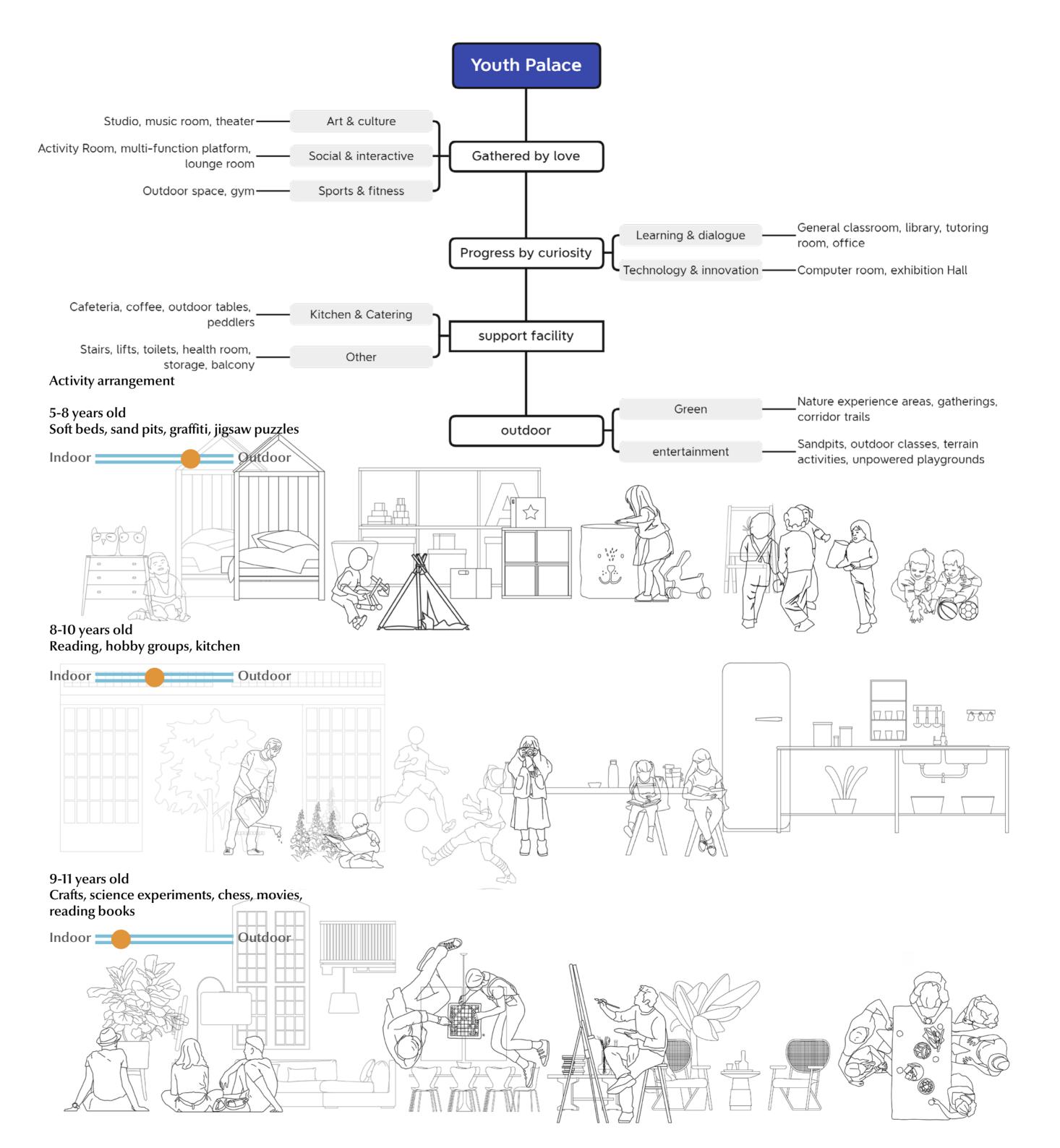


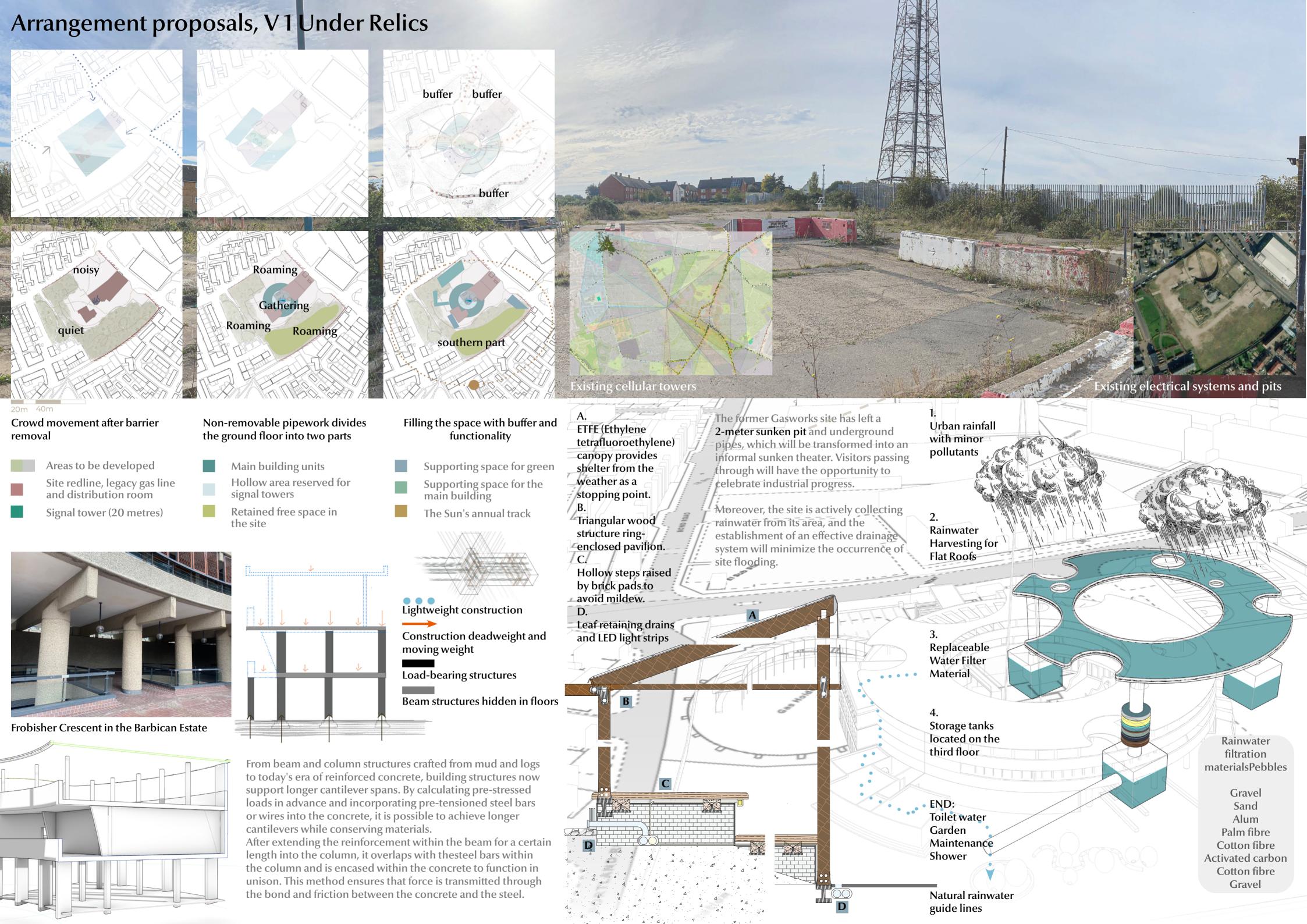
From the large social forum in the atrium to the intimate and focused readers' space in the periphery.

The circular flow of the site creates a context for mutual learning.



Flat spaces celebrate cohesive and inclusive communities, with modern technology helping to quickly communicate intellectual messages





Programmatic strategy









A Protected courtyards of mutual solidarity, open to all people

Bring Extra-curricular classes gathered by the same interests and led by local teachers

Collective practice potting gardens for cultivating and sustaining herbal culture

Development of Informal spontaneous theatre offering random audiences and fixed venues

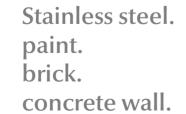
Envelope Design V1respond

Site: Former gasworks

Programme: Development of Youth Activity Centre (2030

Address: Western Rd Mitcham





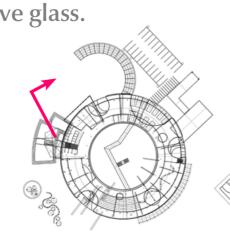
Plastered walls.. Glass. Brick.. Tile.



Locally produced wall bricks and concrete were chosen to respond to the local context.



Brick.. Fence. wood.





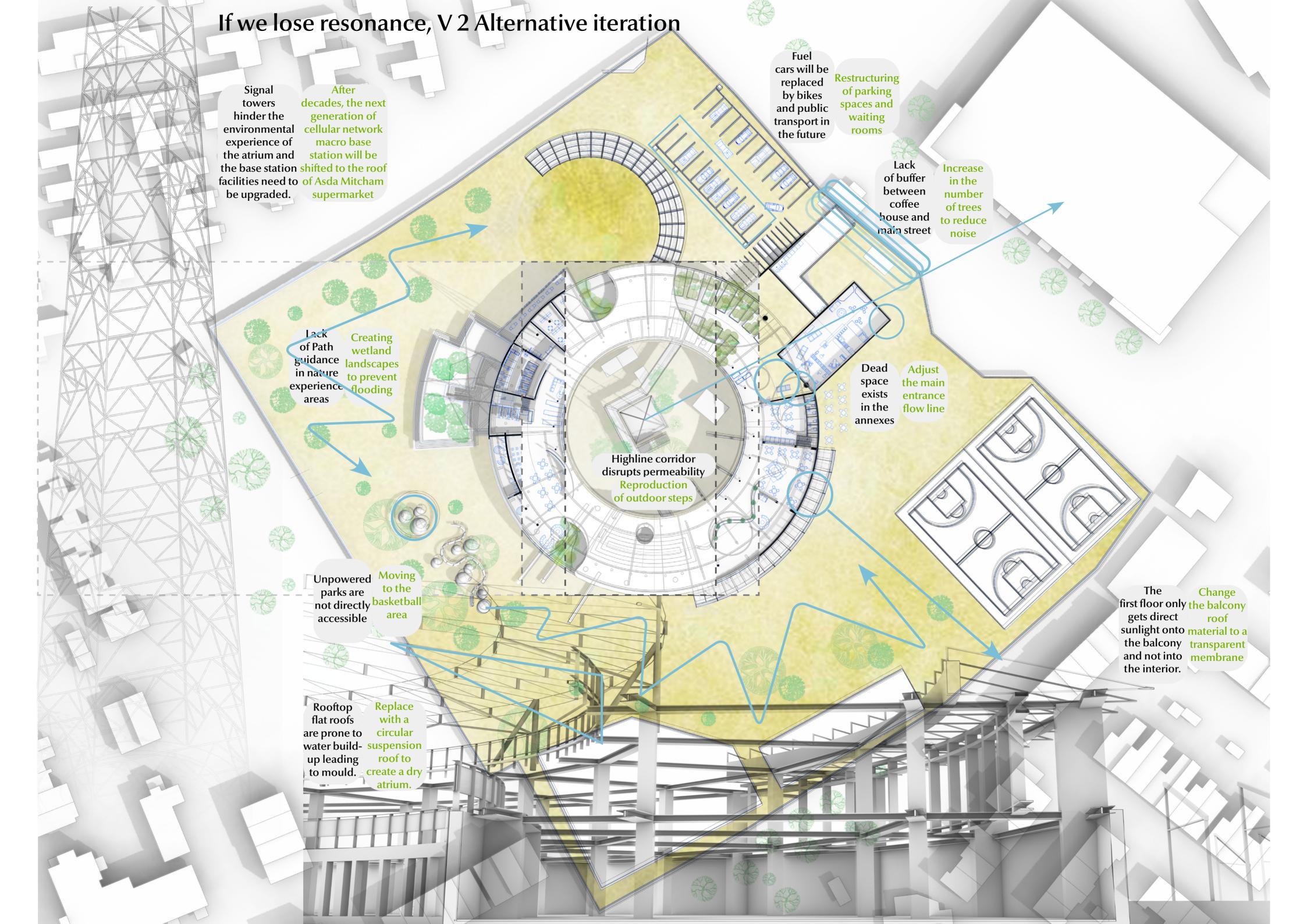


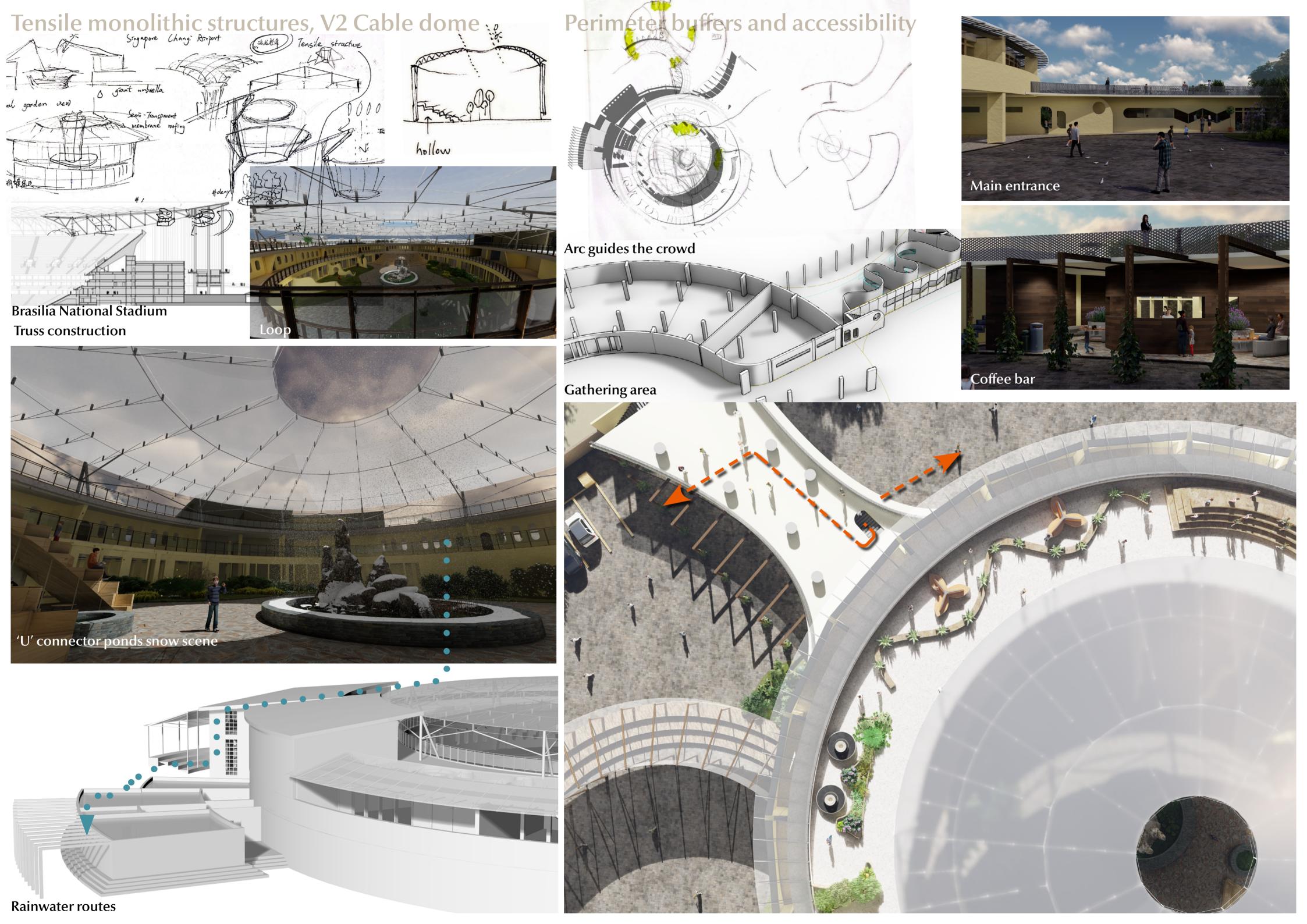


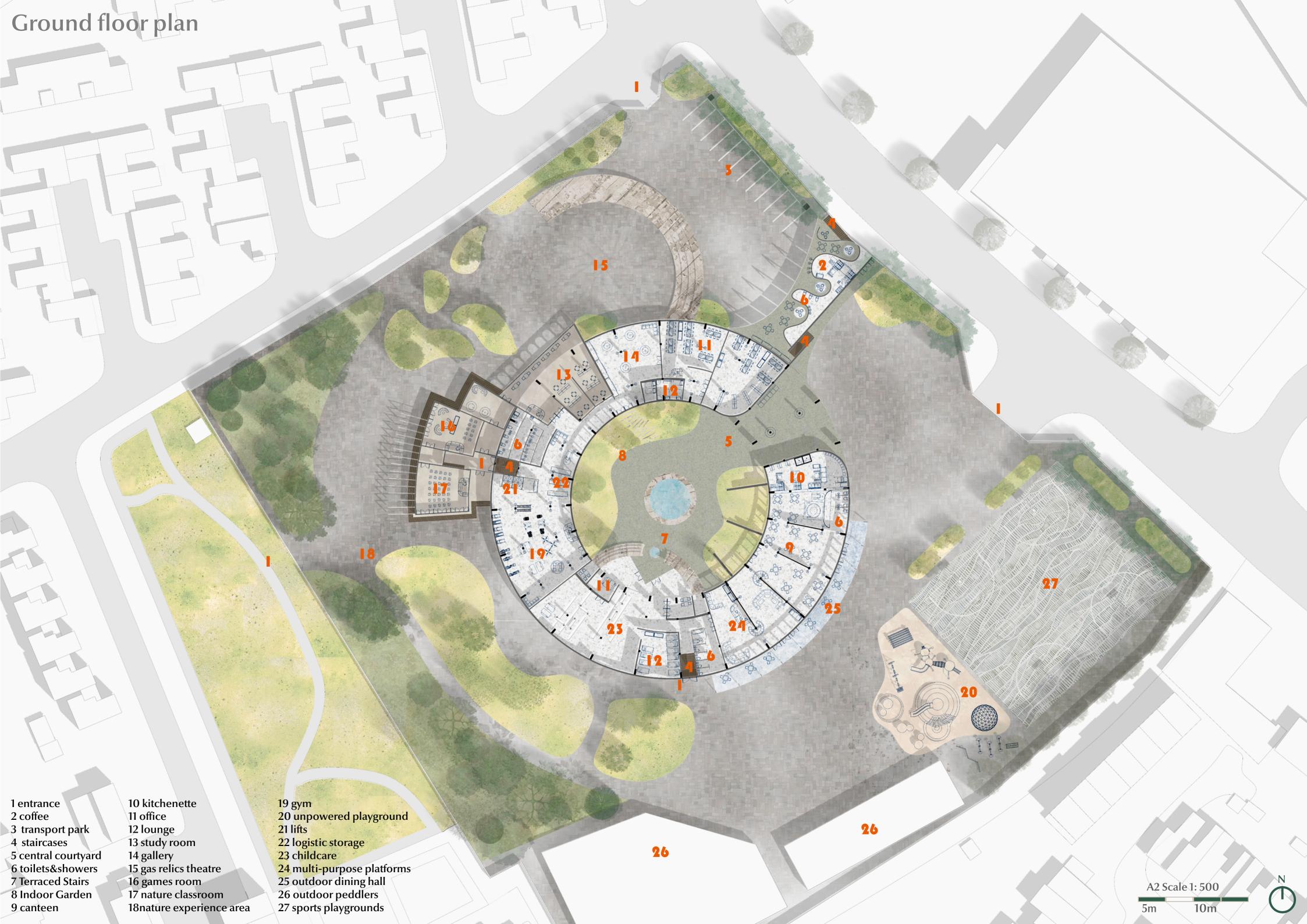


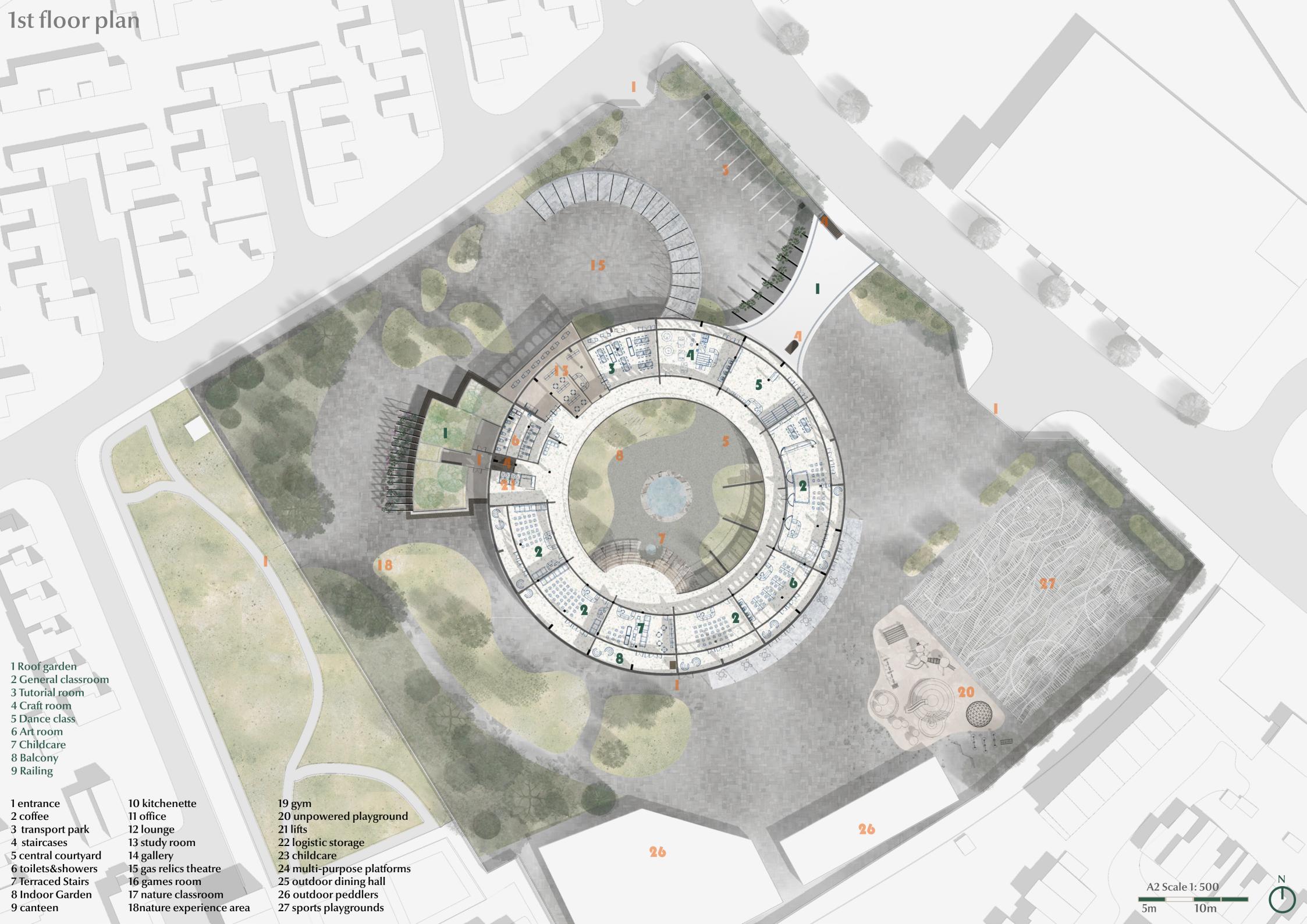


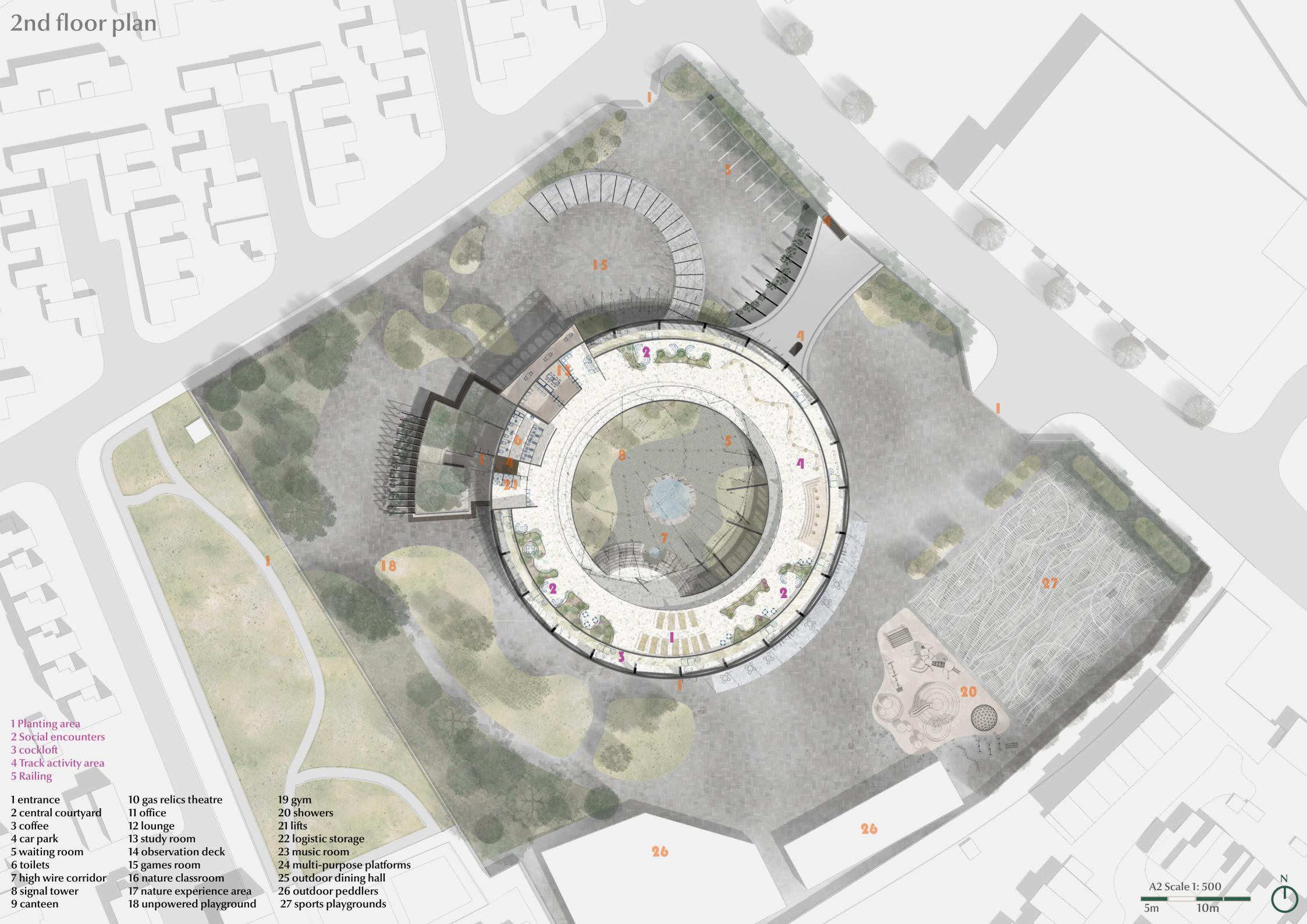














Design strategy V2 Navigation



Industrial sites

The site proposal is built around former signal base station, with opportunities for residents to learn about technology and develop local landmarks.

A rooftop potting garden protects the building from water vapour, reduce the urban heat island effect and lower daytime temperatureswhile attempting to bring historic local herbal gardening into

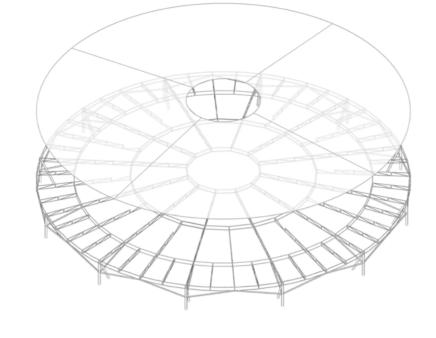


Central courtyard

Surrounded by the eyes of adults, ensuring that children get timely help when playing, the cohesion of the community is the beginning of solidarity

Circular passages create spaces for inevitable encounters, finding other voices in a community of peers.





Platform fort

Encouraging children to play collaboratively, the location away from noise becomes a new secret base, creating new where children can stay childhood stories

The ground floor has an accessible nursery and community library on the residential side, safely in professional care and in the company of neighbours.



Relics park

 \subseteq It can be used as an open Former gasworks has an entertainment gathering extensive underground place during the day and pipework system. public events can be held Consideration should at night

be given to preventing flooding and creating a wetland landscape around it.









