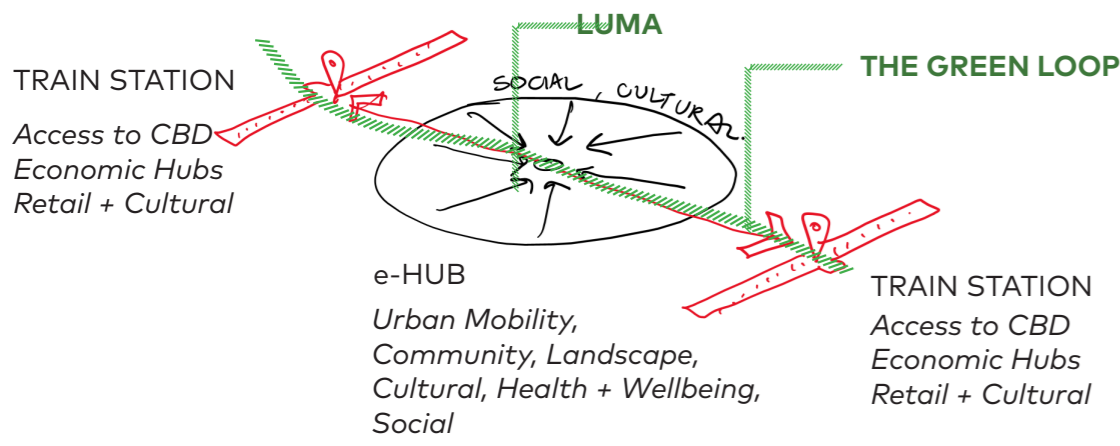


Our proposal 'The Green Loop' seeks to challenge the role of the community hub within the framework of our future cities. This adaptive reuse of the heritage listed former MMBW building in Sunshine North in line with the Living Building Challenge 4.0 presents an exciting opportunity to integrate the highest standards of sustainability in community infrastructure that will inspire and impact the local community every day.

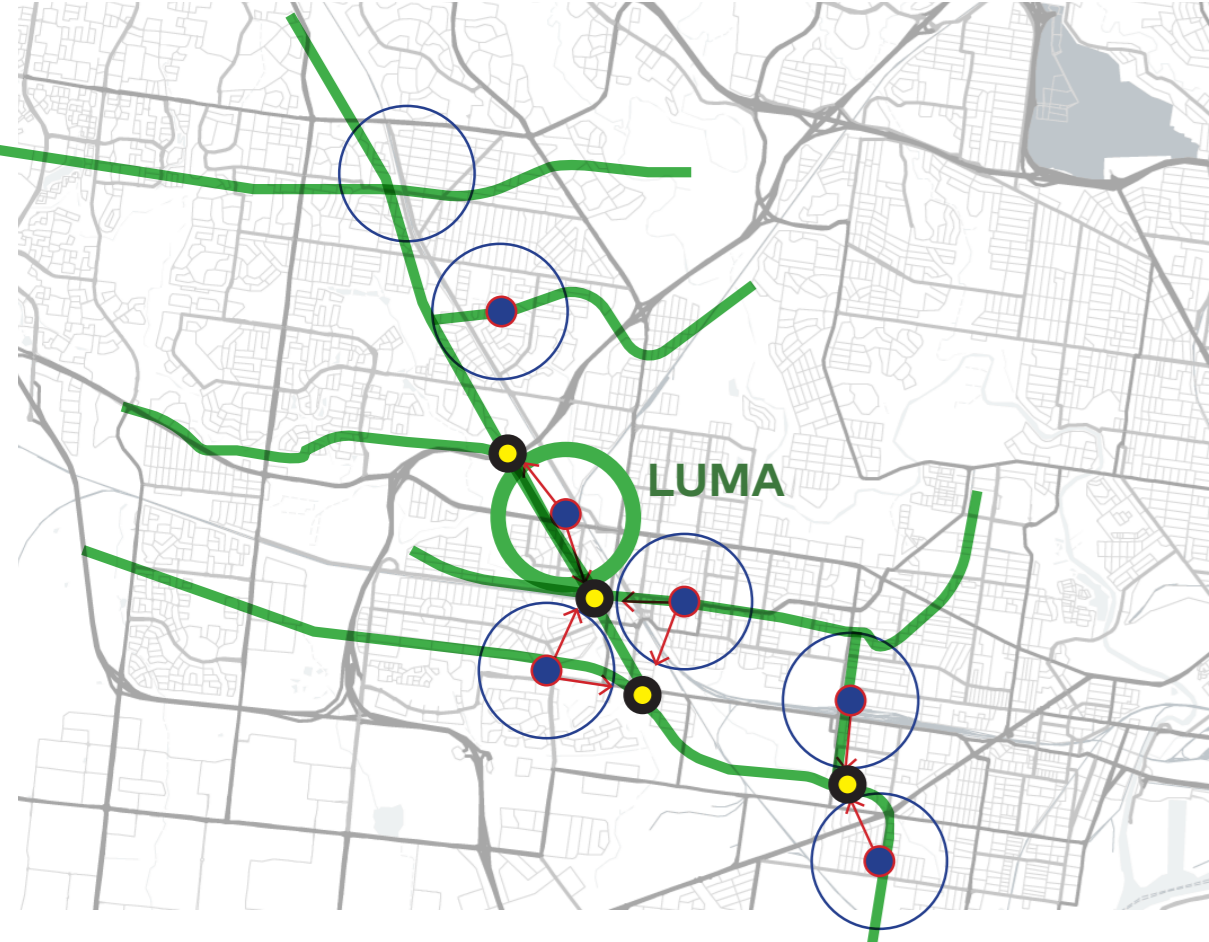
Our Vision is for a broader 'Green Loop Network' where a series of strategically located community hubs integrated with all-electric urban mobility hubs will promote more sustainable and human powered transport networks for local residents that will result in happier, healthier and more socially connected Western Suburb communities.

The LUMA Green Loop Community Hub will be the catalyst for this Green Loop Network with a series of other sites identified for similar facilities to bring a broader green transport network in the Western Suburbs.



A GREEN LOOP NETWORK

SUNBURY LINE - HOW THE GREEN LOOP NETWORK COULD GROW

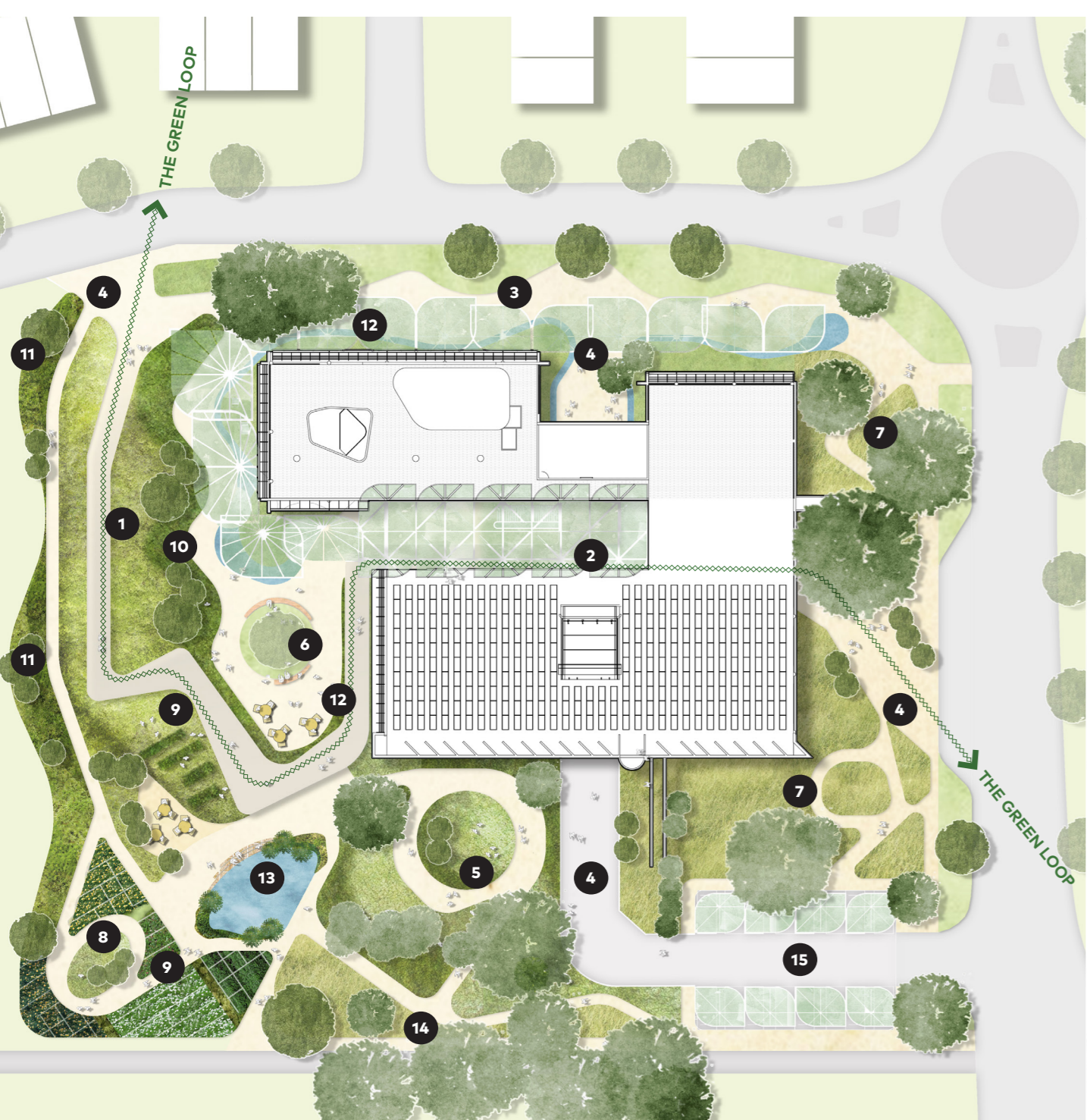


Transport Nodes / Activity Centres
New 'Green Loop' Network
Potential network of Hubs
Hubs - Extent of Capture

THE IMPACT OF THE LUMA GREEN LOOP URBAN MOBILITY HUB

169 CARS
OFF THE ROAD PER DAY WITH THE URBAN MOBILITY HUB PROVIDING CONNECTION TO TRANSPORT HUBS

56,430 KG CO2
SAVED THROUGH THE ONSITE EV CHARGING HUB, CREATING 385,185KM OF CLEAN ENERGY TRANSPORT



PLANTING SPECIES OF THE SEVEN KULIN NATION SEASONS



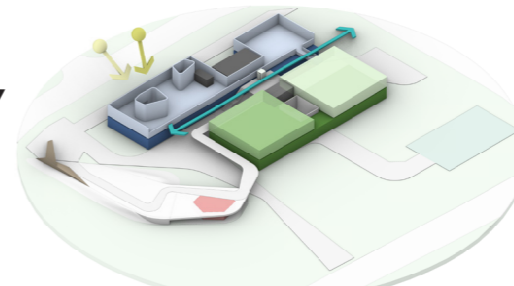
THE LUMA GREEN LOOP

Key Design Pillars

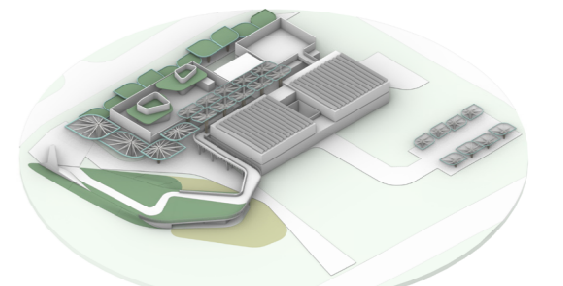
01 Landscape as movement network



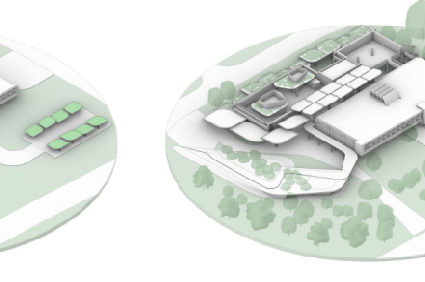
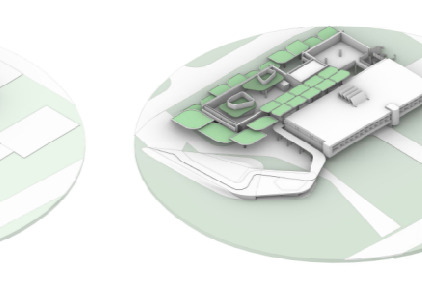
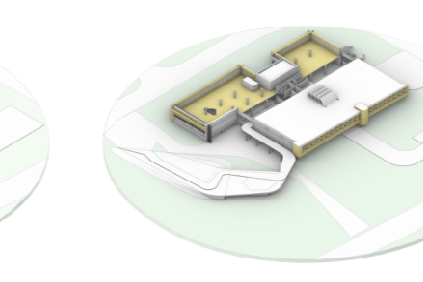
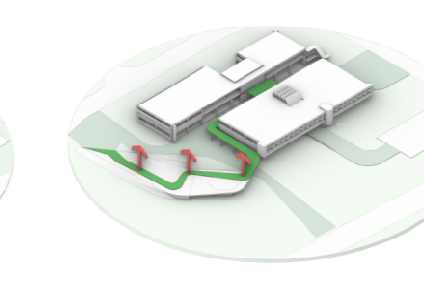
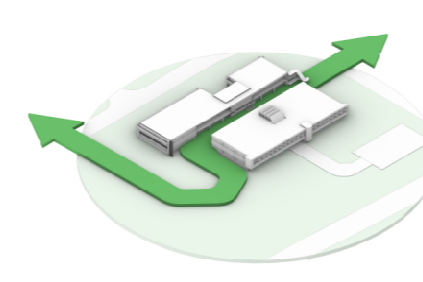
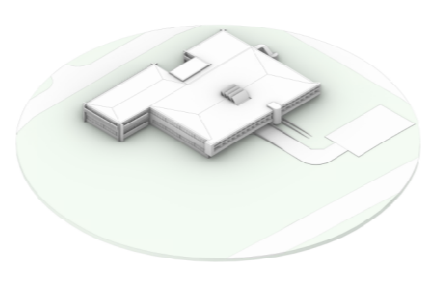
02 A Community Campus



03 Resilient Ecosystem



Built Form Response



EXISTING
Heritage built form and landscape relationships

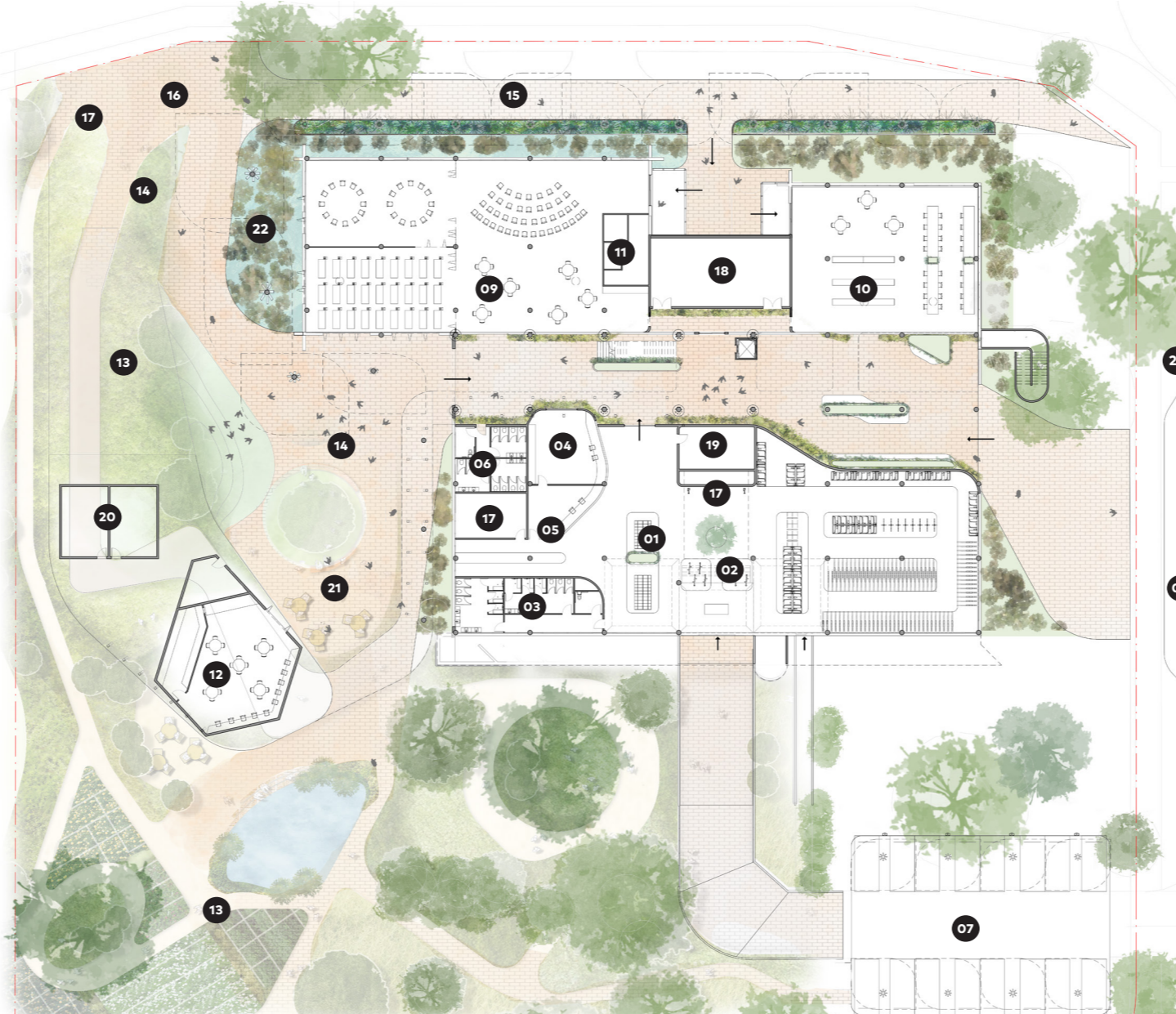
GREEN LOOP & CUT
A Landscape first approach setting up structure for the site & movement network

LIFT & REVEAL
Lifting landscape to create land form - creating moments of prospect above and refuge below

ADAPT & REVEAL HERITAGE
Considered placement of outdoor play areas within retained heritage facades to evoke sense of place & layering

GREEN AS SHADE & ENERGY
Considered placement of outdoor play areas within retained heritage facades to evoke sense of place & layering

RE-WILD & REPAIR FOR A NEW GENERATION
Network of indigenous and resilient landscaping, urban agriculture to repair land



GROUND FLOORS

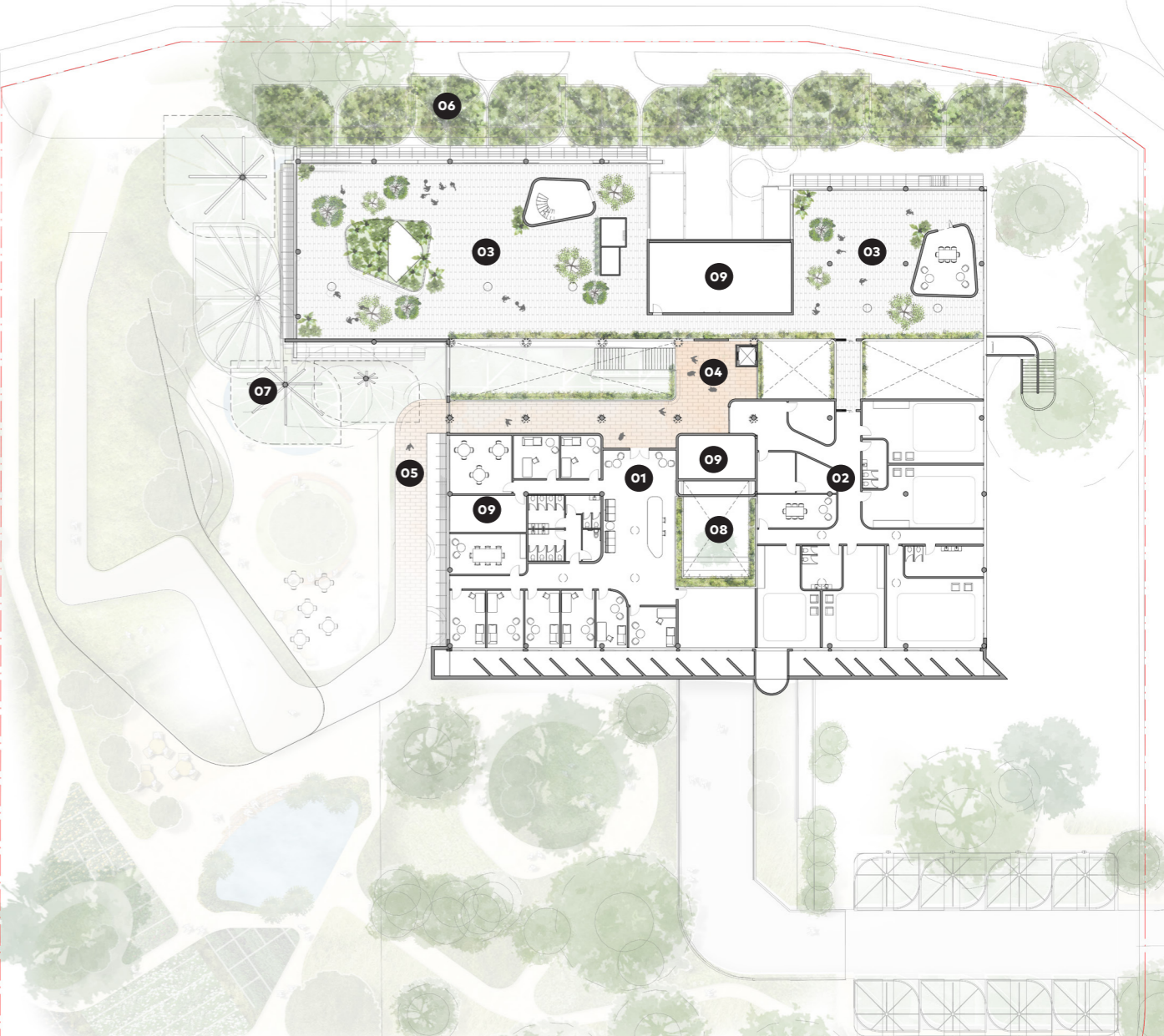
MOBILITY HUB
1. Bike Rental/Store
2. Drinking Station
3. End of Trip
4. Reception
5. Repair/Tool Workshop
6. Public Amenities

COMMUNITY HUB
9. Flexible Hall Space
10. Exchange Hub/Co-working
11. BOH

EV Charging Hub
7. EV Charging Hub
8. Community Bus Stop

SOCIAL HUB
12. Cafe
13. Community Gardens
14. Town Squares
15. Market Verandah
16. Main Entries
17. Commissioned public art
23. Waste collection point

BUILDING SERVICES
18. Plant
19. Recyclables and compostables
20. Grey/Black Water Treatment
21. Underground Water Tank
22. Blue-green rainwater stream
23. Waste collection point



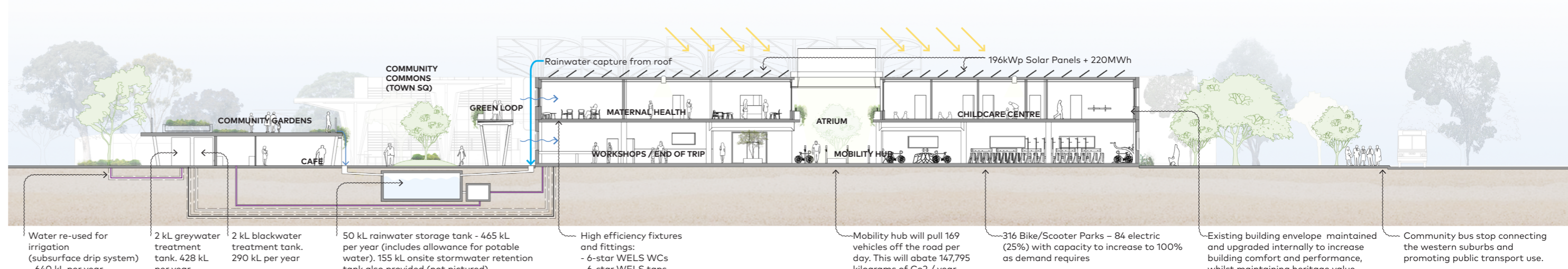
LEVEL 01 FLOORS

HEALTH + WELLBEING
1. Maternal Health Centre
2. Childcare (90 kids)
3. Childcare Outdoor Play
4. Lift/Stair
5. Green Loop Ramp access from Ground
6. Green Roofs/Canopies

BUILDING SERVICES
8. Existing Heritage Atrium
9. Plant Rooms

7. Solar Canopies

A LIVING BUILDING



A PLACE FOR THE COMMUNITY

