



CREATING COMMUNITIES



INTRODUCTION

- Who we are
- Where we work
- What we do

CASE STUDIES – how we work

- Shelter@Rainforest
- North-West Precinct Dubbo

REFLECTIONS















HYPER LOCAL





"Trees are the earth's endless effort to speak to the listening heaven"

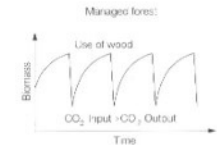
Rabindranath Tagore



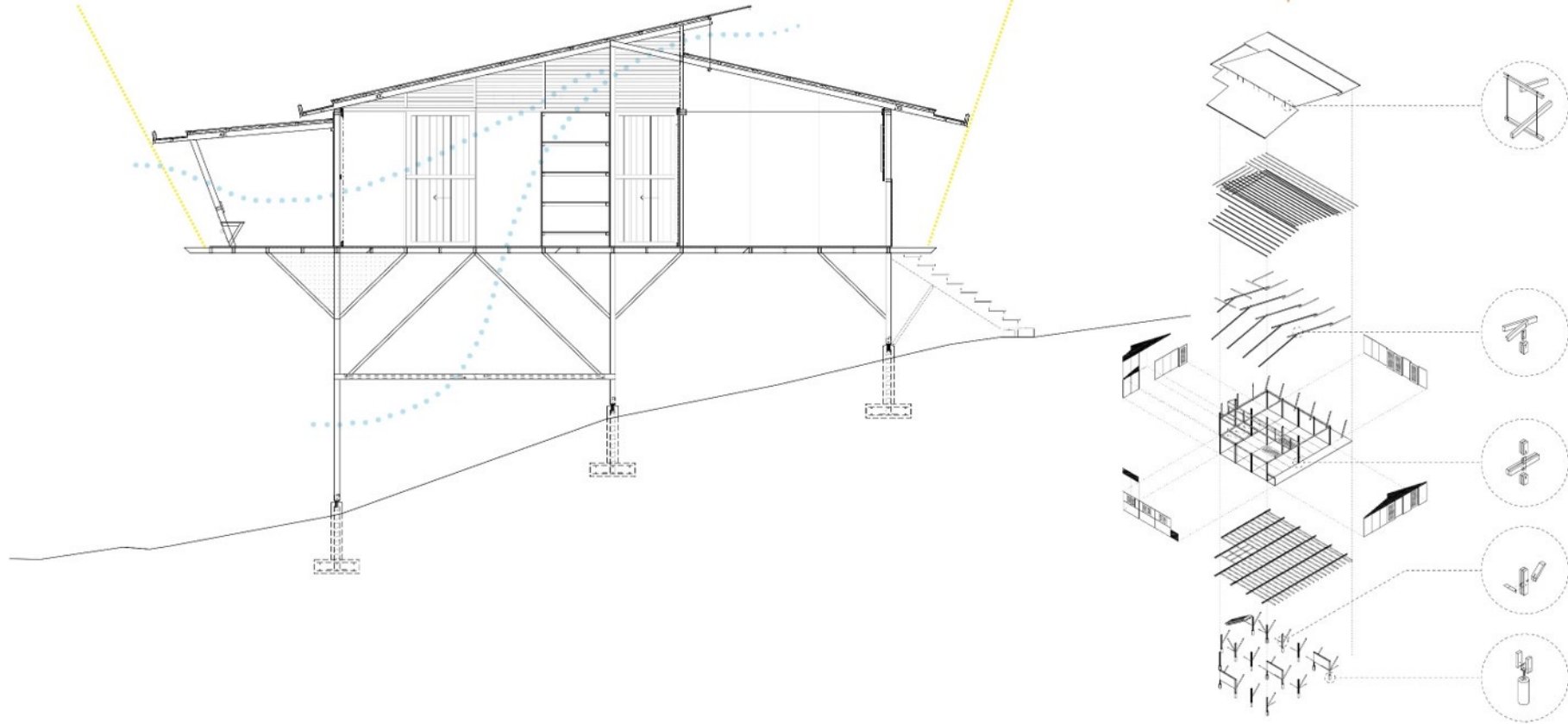




REFORESTATION

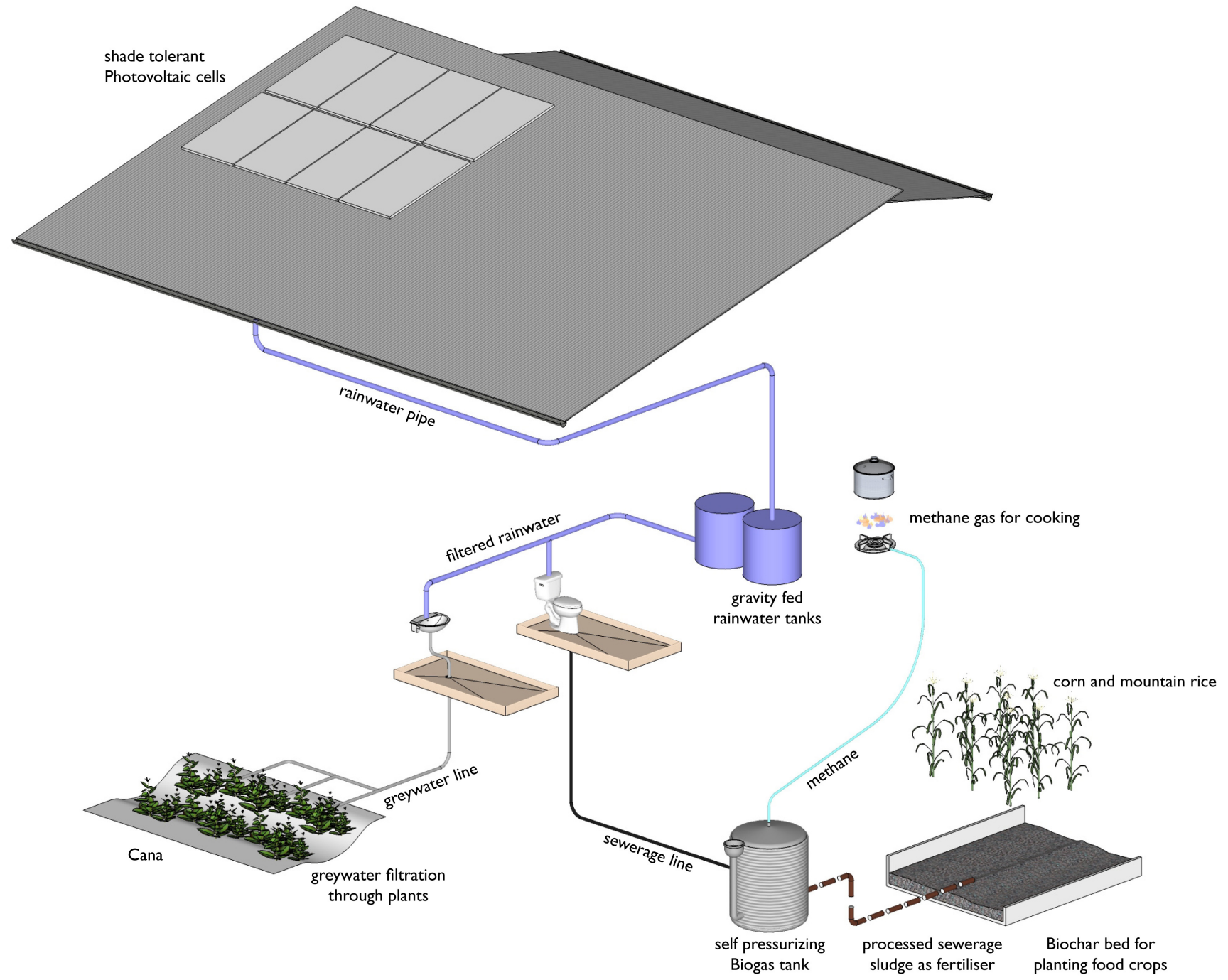


Biomass development in a managed forest whose carbon store is emptied again and again by using the wood so that the forest can then extract additional carbon dioxide from the atmosphere.
source: timber construction manual, Birkhäuser

















northwest
PRECINCT COMMUNITY



MARRA + YEH
ARCHITECTS

PEOPLE

PLACES

COMMUNITY

NATURE

1 NO POVERTY

6 CLEAN WATER AND SANITATION

8 DECENT WORK AND ECONOMIC GROWTH

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

2 ZERO HUNGER

7 AFFORDABLE AND CLEAN ENERGY

10 REDUCED INEQUALITIES

13 CLIMATE ACTION

3 GOOD HEALTH AND WELL-BEING

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

16 PEACE, JUSTICE AND STRONG INSTITUTIONS

14 LIFE BELOW WATER

4 QUALITY EDUCATION

11 SUSTAINABLE CITIES AND COMMUNITIES

17 PARTNERSHIPS FOR THE GOALS

15 LIFE ON LAND

5 GENDER EQUALITY

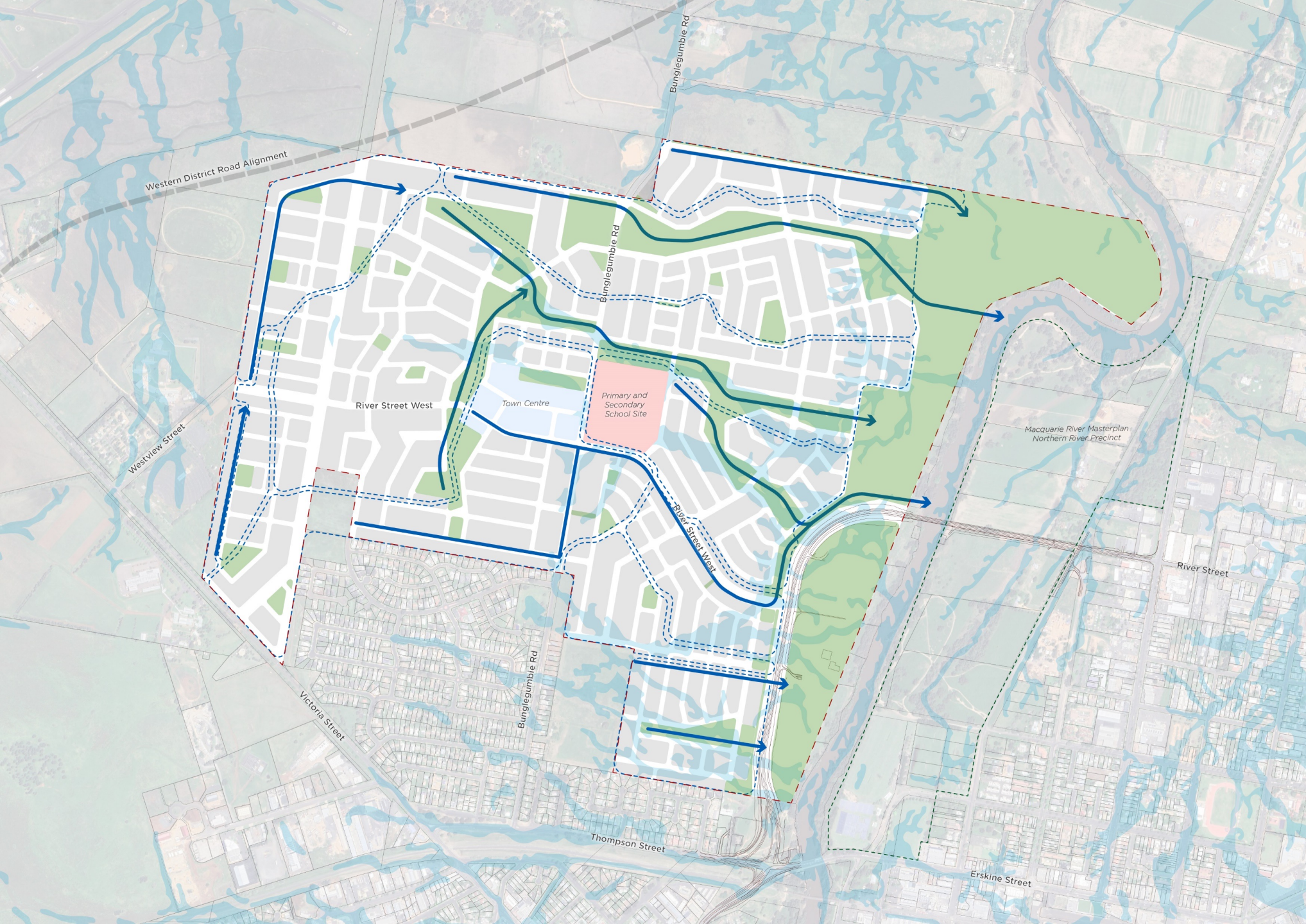
SUSTAINABLE DEVELOPMENT GOALS



Image: NWPC



MARRA + YEH ARCHITECTS



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ARCHITECTS

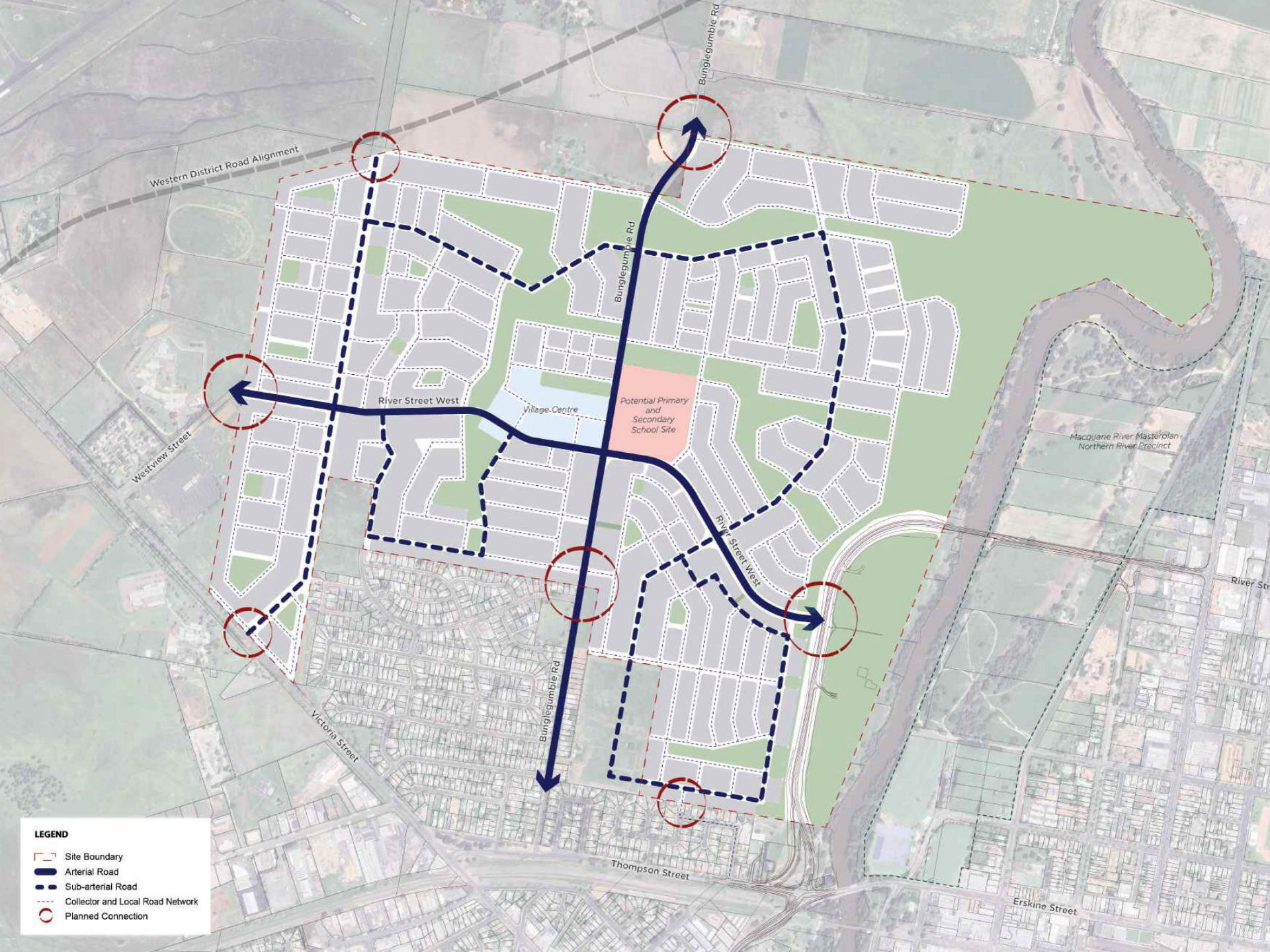


LEGEND

- Site Boundary
- 400m Walkability Radii
- Regional Park
- District Park
- Local Park
- Linear/Buffer Park



MARRA + YEH ARCHITECTS



LEGEND

- Site Boundary
- Arterial Road
- Sub-arterial Road
- Collector and Local Road Network
- Planned Connection



**MARRA + YEH
ARCHITECTS**



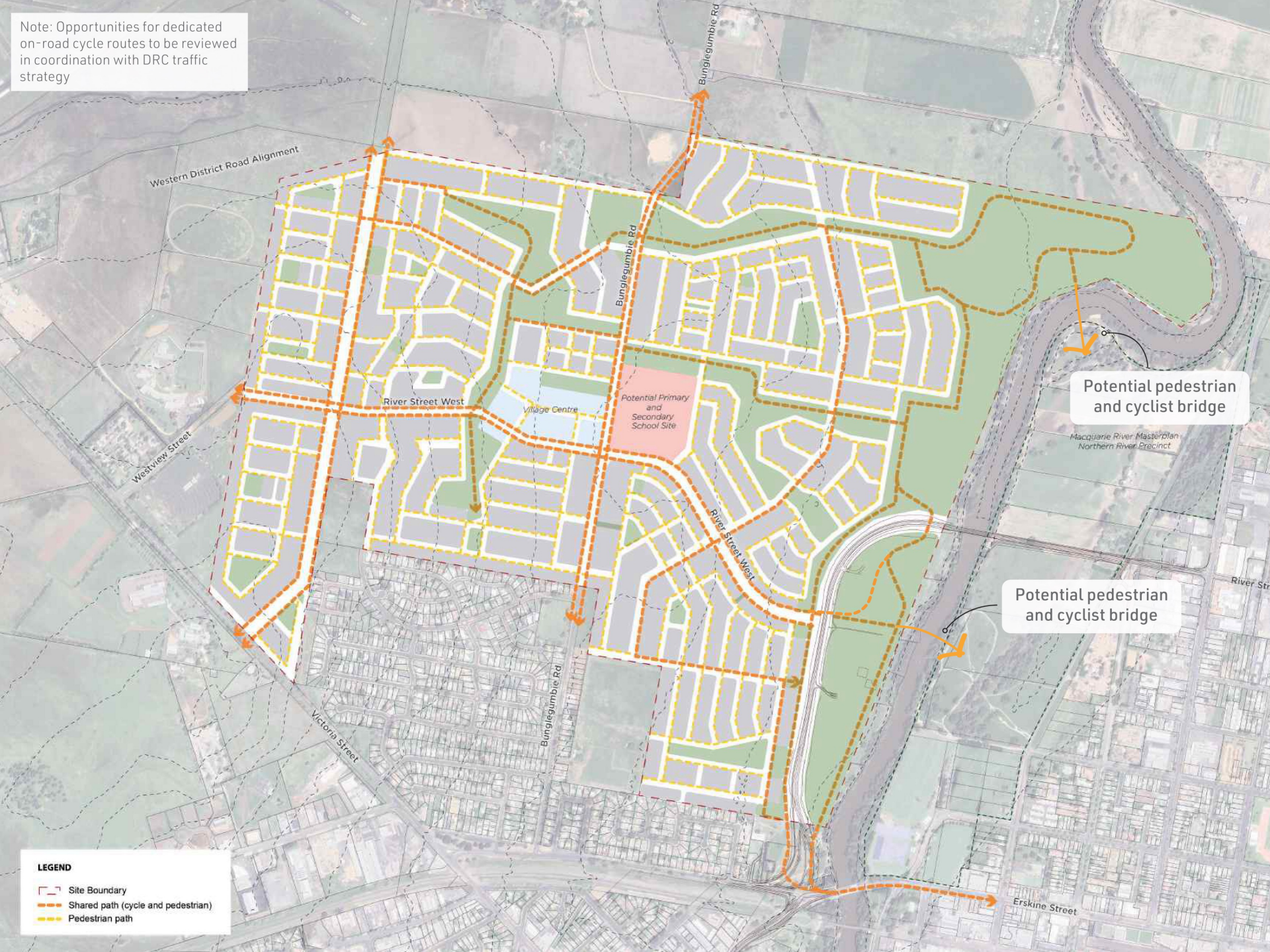
LEGEND

- Site Boundary
- Bus Network
- Bus Stop
- 400m Walkability Radii



**MARRA + YEH
ARCHITECTS**

Note: Opportunities for dedicated on-road cycle routes to be reviewed in coordination with DRC traffic strategy



LEGEND

- Site Boundary
- Shared path (cycle and pedestrian)
- Pedestrian path



MARRA + YEH ARCHITECTS

4.10 MASTERPLAN

SCALE 1:10,000
 0 100 500m



NORTH-WEST URBAN RELEASE AREA MASTERPLAN

DRAWING KEY

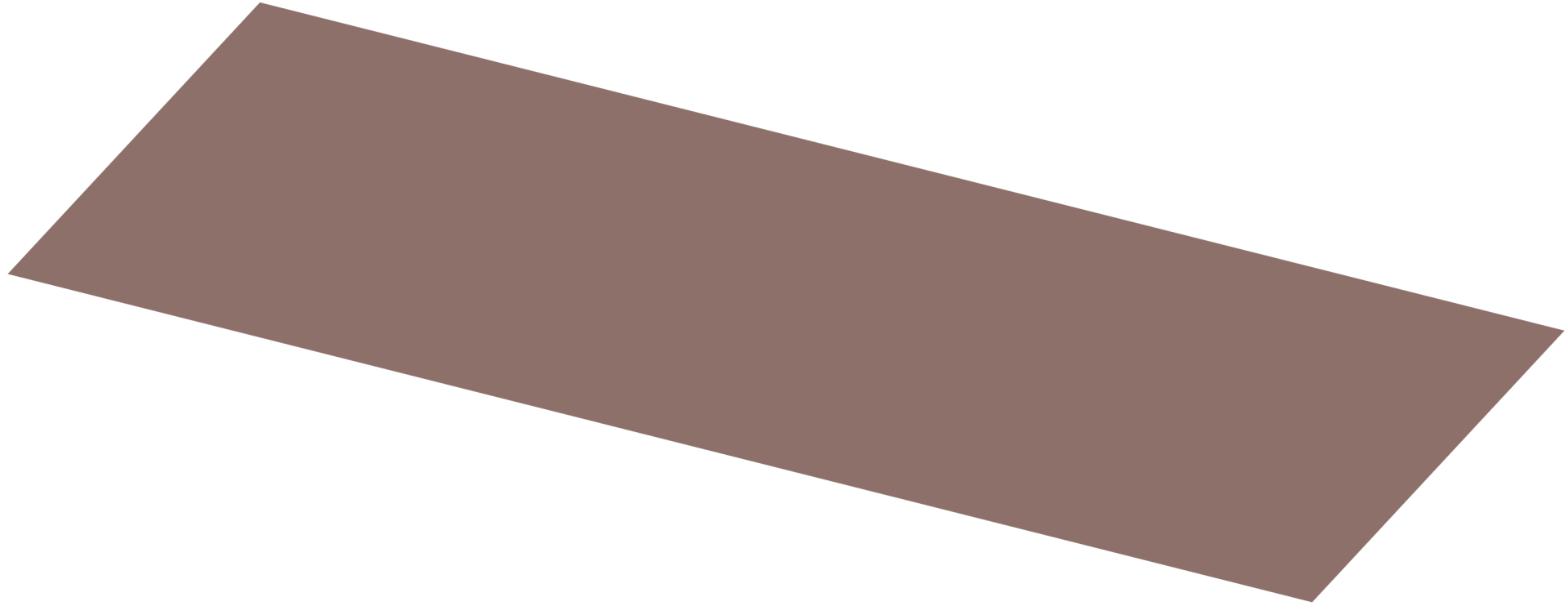
	Open green space		Topographic Wetness Index (TWI) *Refer Martens Stormwater Management Strategy
	Tree cover		Flood Extent (1% AEP) *Refer Martens Stormwater Management Strategy
	Village Centre - public space (i.e. carparks, plaza)		School
	Village Centre		Active Centre extents
	Health/Medical services		

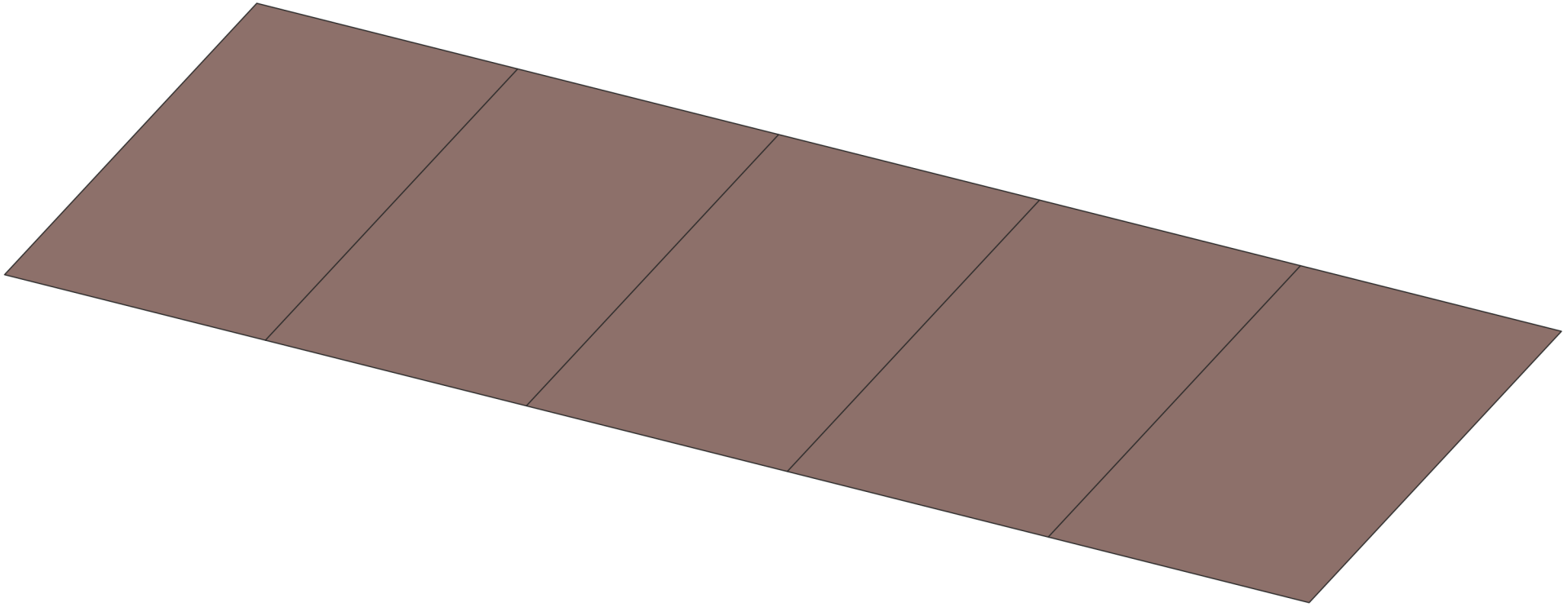
- This Masterplan is indicative only and subject to change
- Lot density and distribution is indicative and to be treated as a pre-design guide only
- The alignment of density types is indicative only and does not take into consideration land tenure or ownership
- Area allocation of uses per total precinct and per sub precinct is subject to review and refinement following land parcel / ownership feasibility assessment (by others)
- Validation and feasibility assessment to be completed by others prior to confirming finalised yield study
- Potential projected population and relative indicative persons per dwelling to be confirmed via demographic analysis (by others)

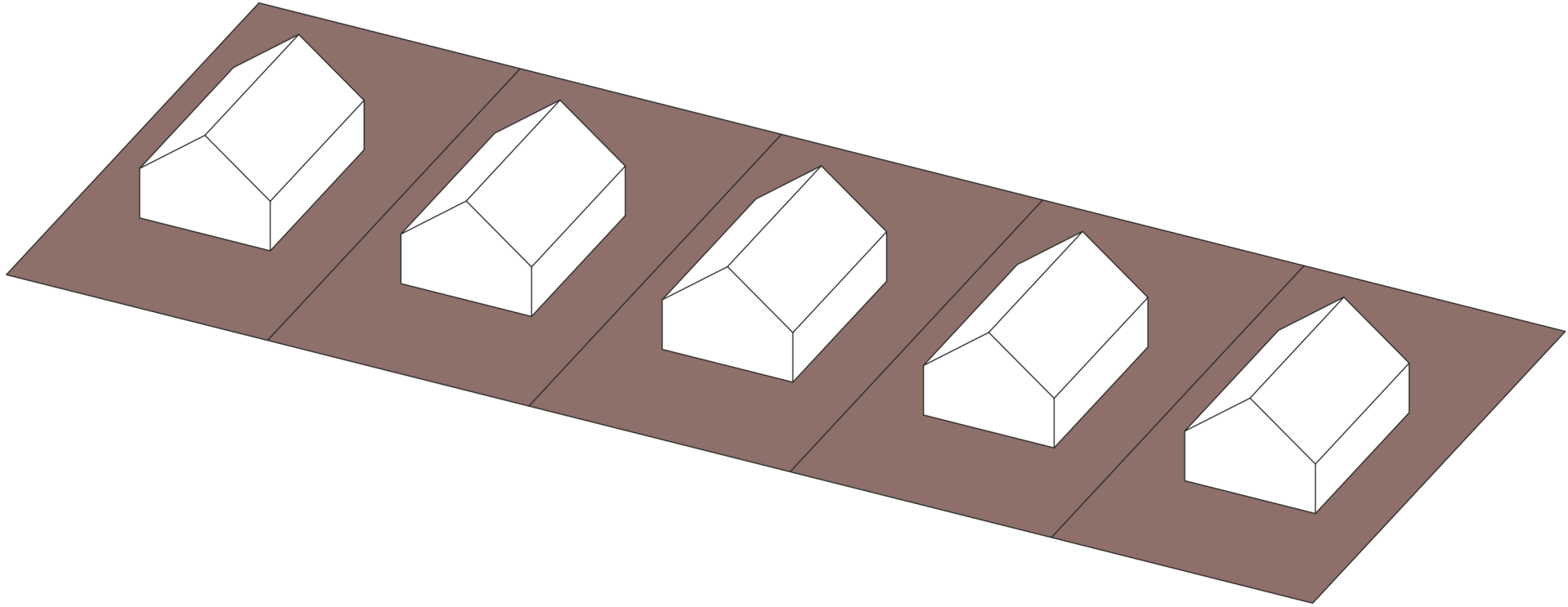




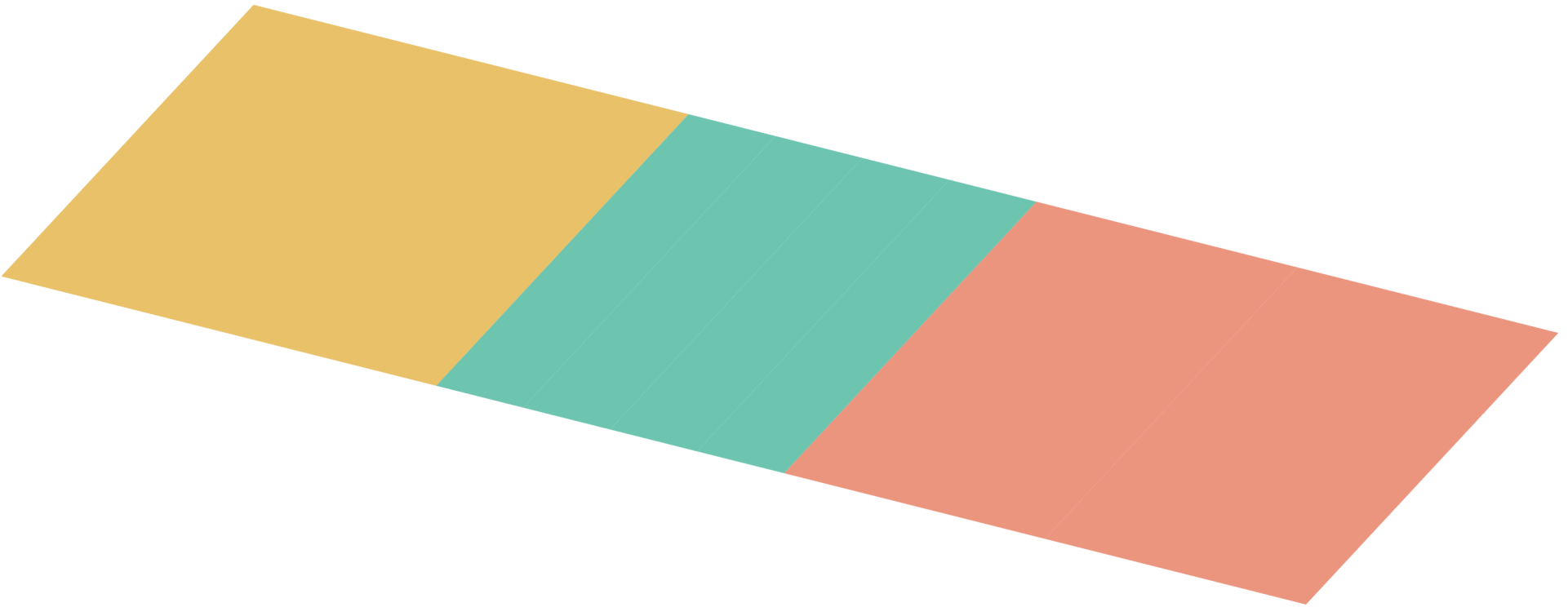
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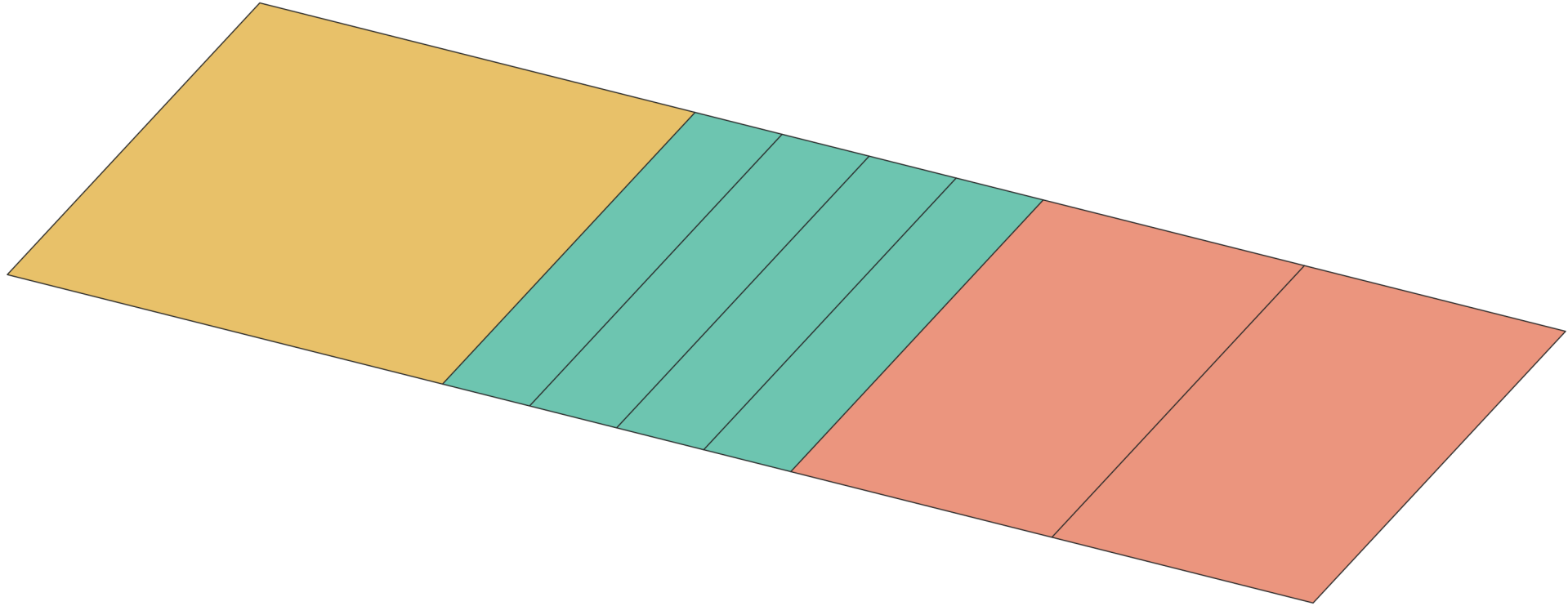


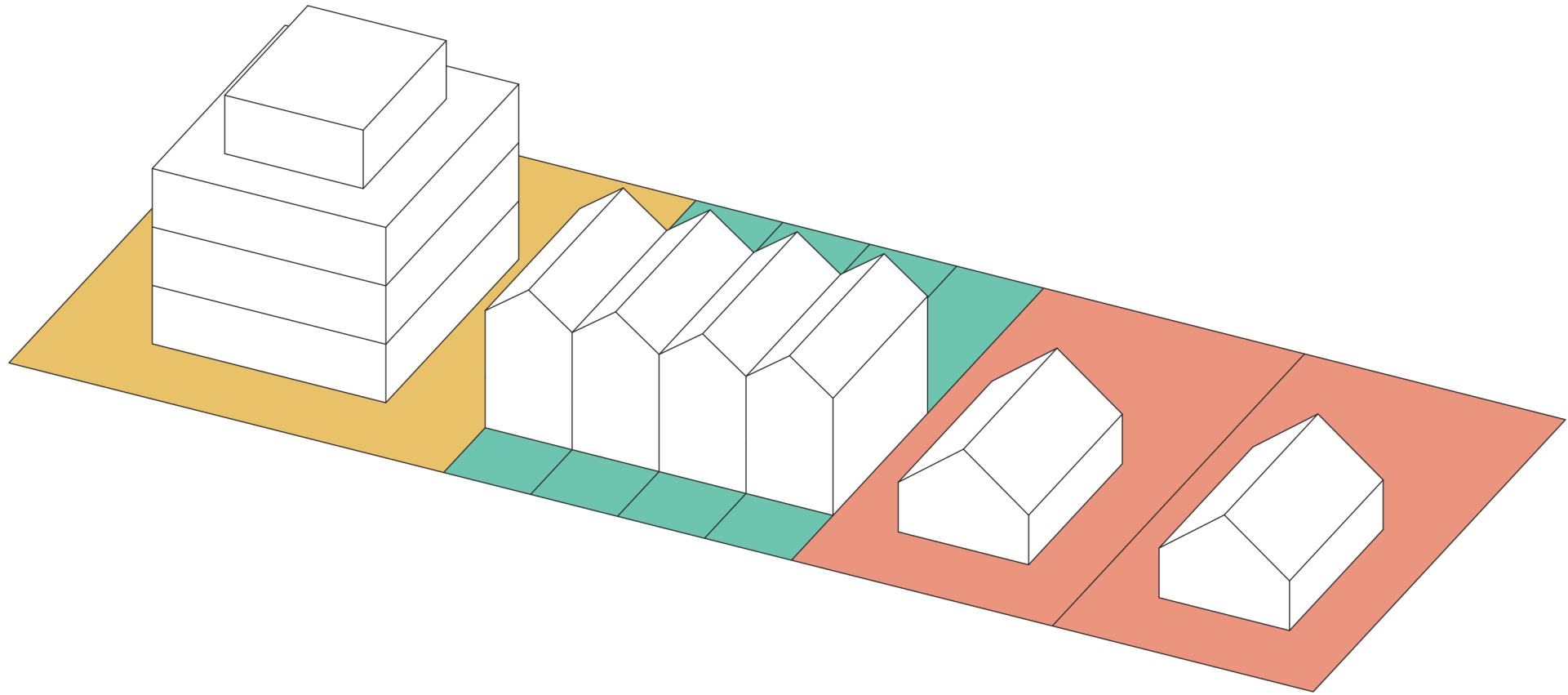








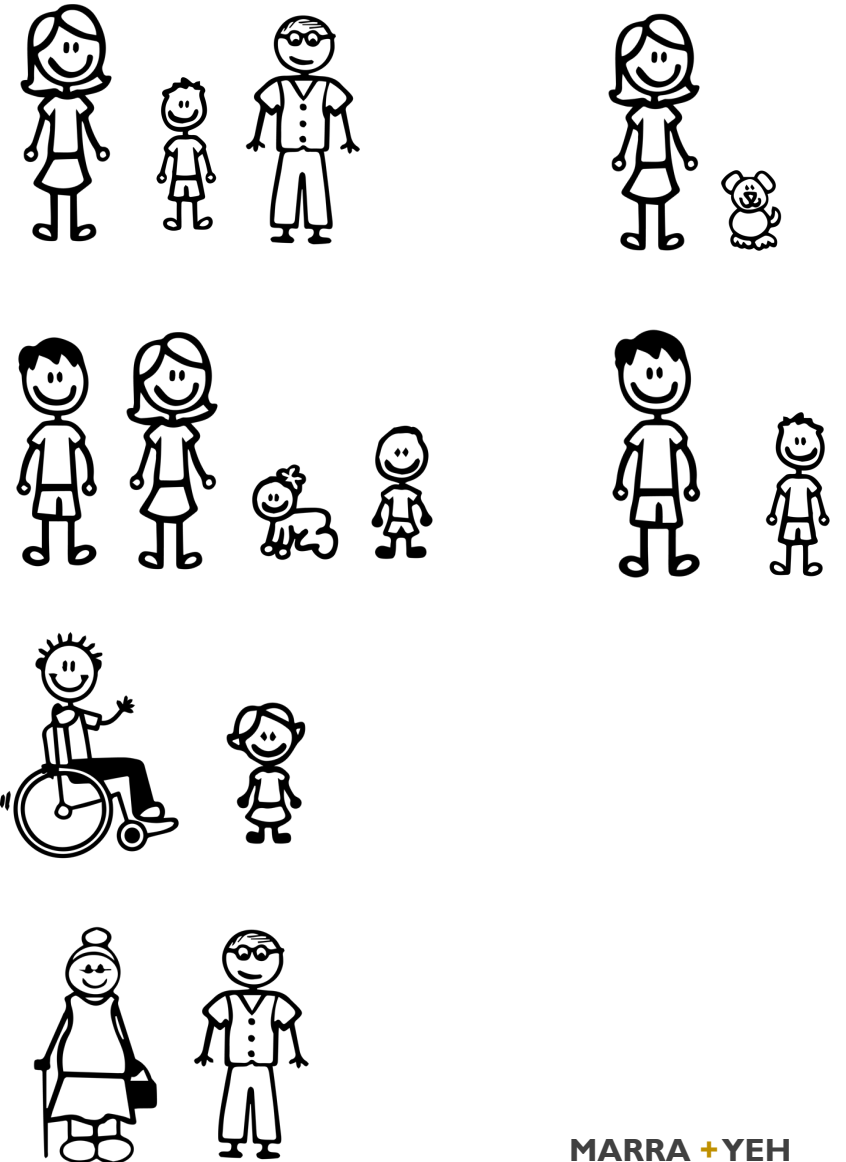
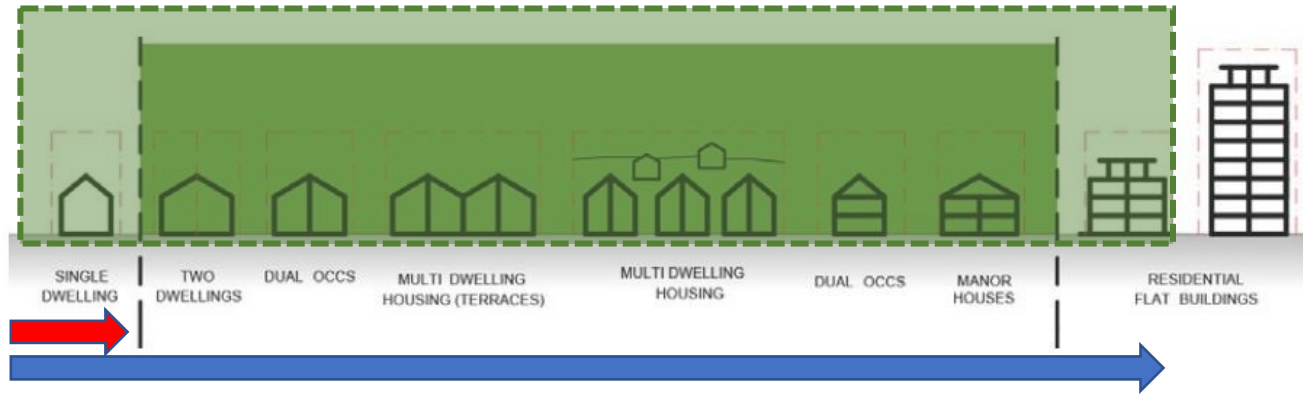






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HOUSING DIVERSITY



Enable mix of life stages & ageing in place

Context specific – aligned with demographics and desired future character

Increase housing supply, choice & affordability/price points

Enables diversity and flexibility for future planning - families expanding / downsizing, intergenerational living, extended families & changing ownership

5.4 DWELLING TYPOLOGIES



DETACHED DWELLING

- Detached dwellings create a transition zone and integrate the Urban Release Area with existing neighbourhoods
- Traditional product well understood in the marketplace
- Appeals to large families
- Can be delivered within a range of lot sizes.



DUAL OCCUPANCY

- Dual occupancies enable smaller dwellings to be delivered on smaller lots, increasing density without streetscape impacts
- Price point diversity enabled through size reduction
- Appeals to small households, first-home buyers, key workers, independent seniors.



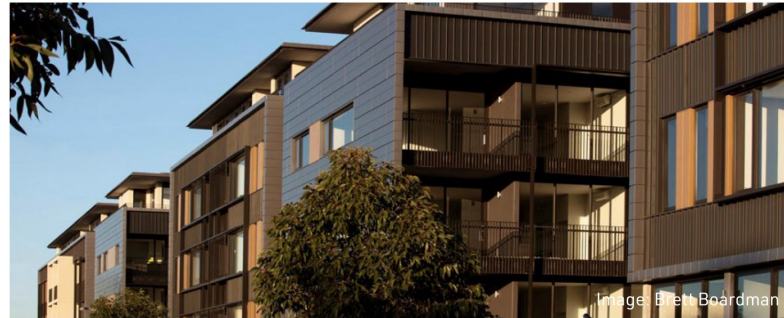
ATTACHED DWELLING

- Attached dwellings enable construction efficiencies through shared party walls, increasing the density of dwellings per land area but resulting in a streetscape compatible with other residential typologies
- Parking can be provided per dwelling or in shared configurations, enabling innovation in designs
- Price point diversity enabled through size reduction
- Appeals to singles, small households, first-home buyers, key workers, independent seniors.



SECONDARY DWELLINGS

- Secondary dwellings are delivered in conjunction with a primary detached dwelling, enabling increase in density within a single lot
- Secondary dwellings may face laneways and provide eyes on the street, activation and safety, removing blank rear fences
- Appeals to home owners seeking rental income or additional space for adult children or elderly family members
- Small units, usually 1-bedroom, provide a self-contained form of housing rarely available.



SENIORS HOUSING AND CO-LIVING

- Seniors housing is key to providing opportunities for residents to age in place and downsize from the family home within the Urban Release Area
- Seniors housing can range in accommodation from independent to assisted living to fully supported residential aged care units
- Co-locating seniors housing with the village centre enables residents to walk to services and shops and retain independence
- Co-living housing can cater for students as well as supported housing.



SHOPTOP HOUSING, APARTMENTS AND VILLAGE CENTRE

- Shoptop housing co-locates residents within the village centre and enables incidental patronage of shops and retail which is directly linked to their viability
- Shoptop housing and apartments offer opportunities for innovative models of living such as live/work offerings that can attract creative businesses and artists.







EXISTING CONDITION



CONCEPT VISION FOR BUNGLEGUMBIE ROAD

Significant tree planting to street scape promotes cool and well shaded streets - a welcoming address to the Urban Release Area.

Relocate elevated services underground to allow for substantial tree planting of the streetscape



REFLECTIONS

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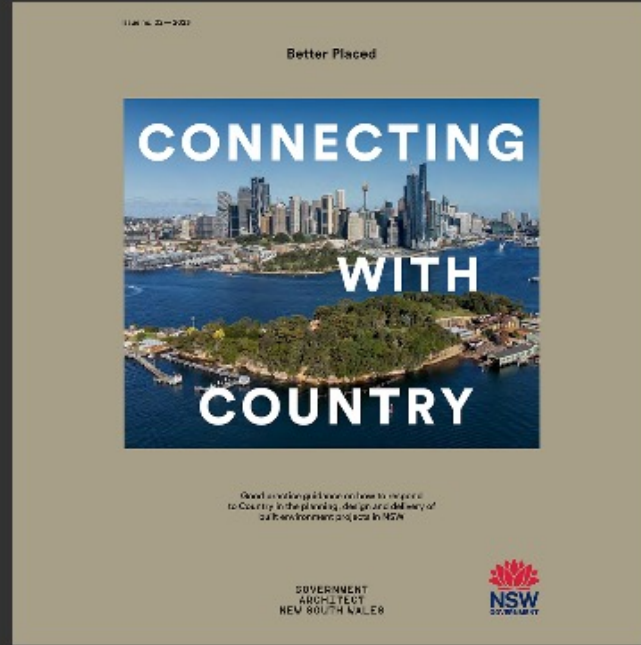
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- Consult community and Traditional Owners before ideas on paper
- Invest in design expertise upfront
- Courageous and confident clients
- Holistic approach: nature, people, economy
- Beyond BAU: not just ESG but SDGs





Design for Climate | Design for Change



Shelter@Rainforest Case Study



M+Y Home Project Guide

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