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THE KATUM

Future Housing Solutions

PLANNING AN ENDURING LEGACY

**How regional Australia can
profit from the unprecedented
resources boom, for sustainable
growth.**

**TEKTUM's presentation following
the Submission to the House
Standing Committee
on Regional Australia
Use of FIFO/DIDO
Workforce Practices**

FACTS

- Population growth is an opportunity
- All previous settlements initially served a single purpose, be it agriculture or mining
- Sustainable growth can be planned
- Changing demand opens opportunities for new products

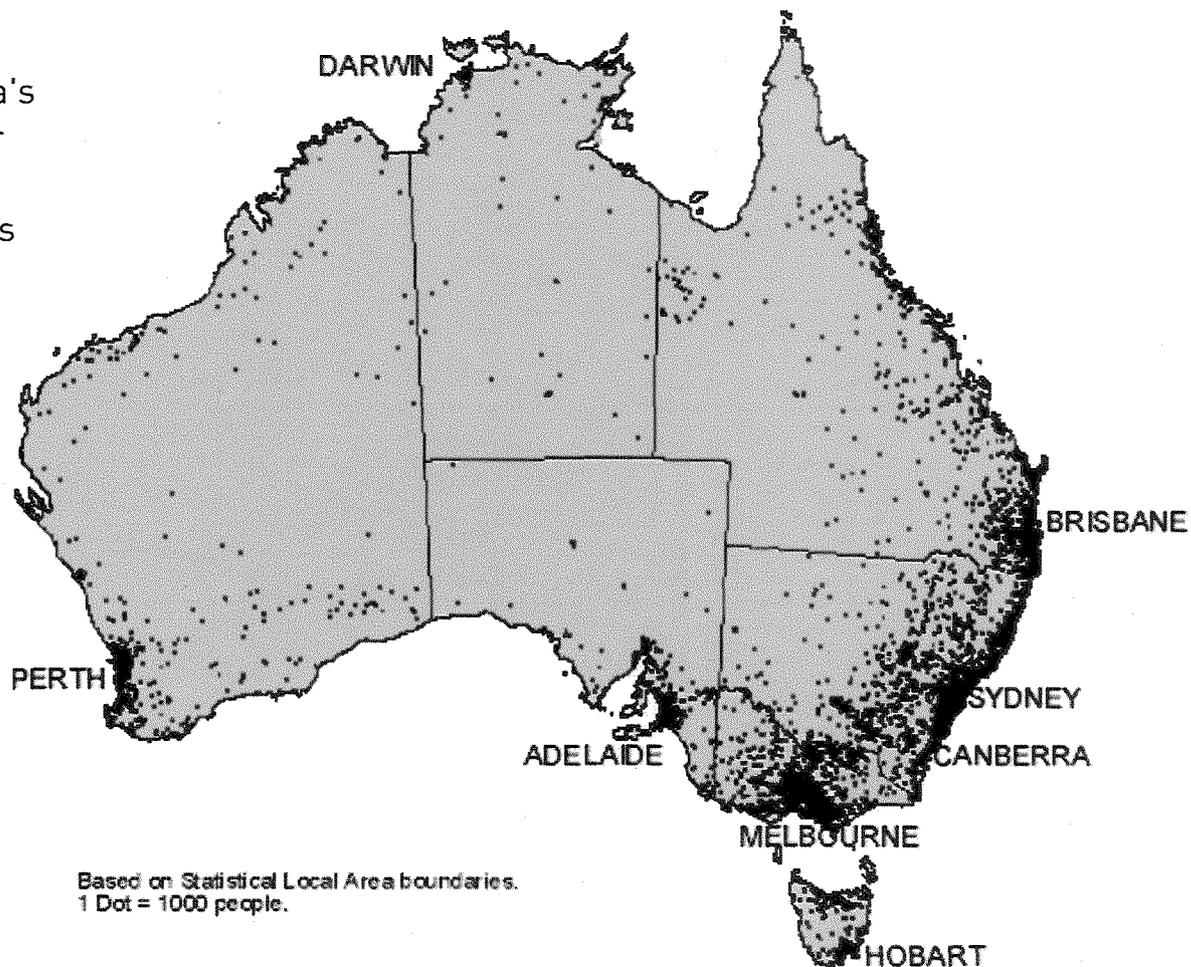
Demographics

Population

- Total population of Australia (June 2002) = 19,640,979
- 33.7% (=6.6 million) of Australia's population live outside of major cities
- 2.6% (of the 33.7%) (=510,600) is considered Remote

Land

- 78% of Australia is defined as remote (Taken from Commonwealth of Aust 2004)



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Current Issues in Regional Areas

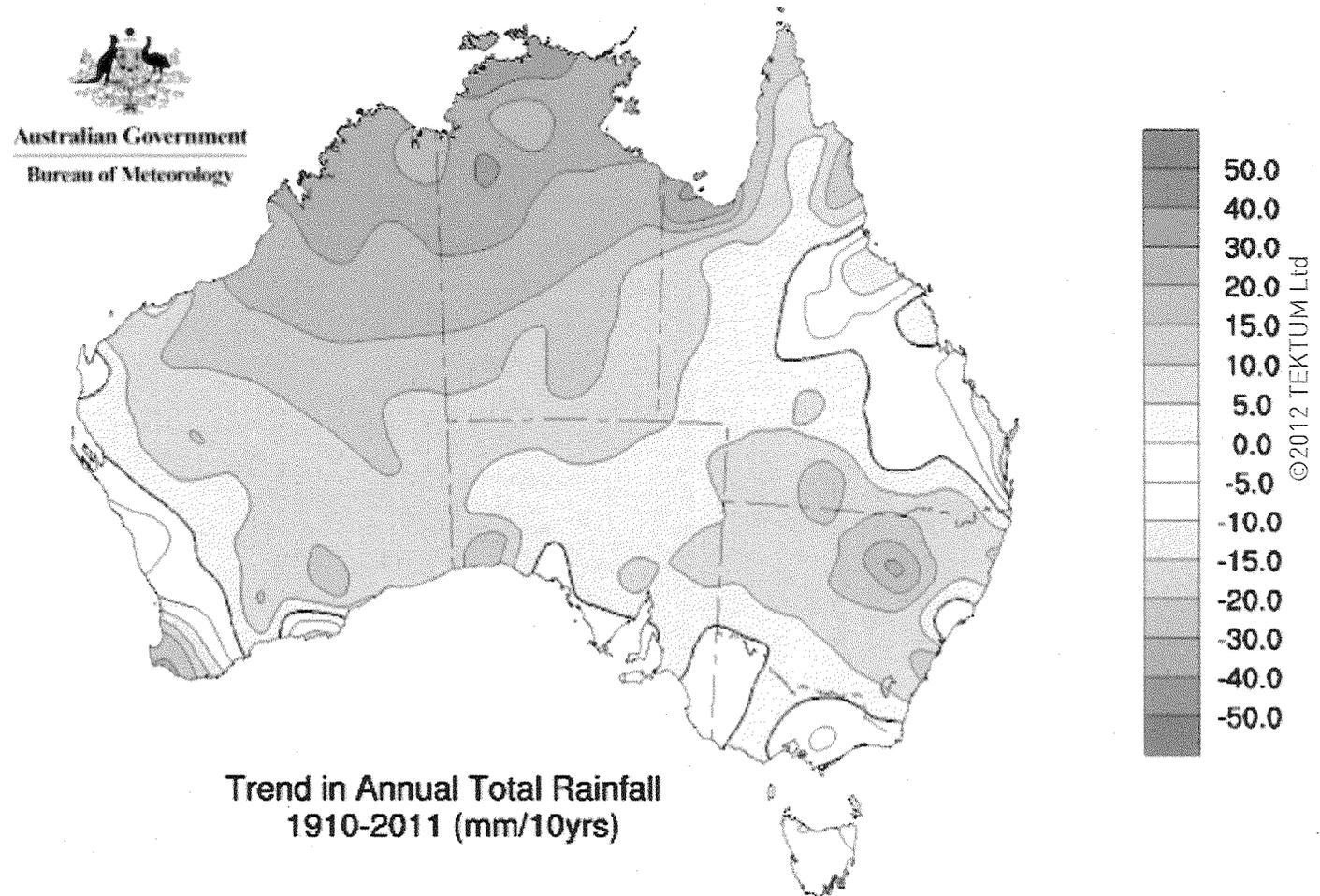
Low population density generates a series of problems for local communities:

- Expensive infrastructure
- Medical services
- Construction cost
- Education

Department of Climate Change and Energy

Efficiency:

While there has been little change to total Australian rainfall since 1900, rainfall patterns have changed significantly.



Changes are Constant

We are living in a changing world, we cannot exactly predict what will be in the future

- Climatic conditions
- World economy
- World population

Changes are Opportunities

With the unprecedented boom in the resources industry, we have the opportunity to drive change to help Australia grow sustainably by:

- Making FIFO a transitional solution
- Ensuring FIFO camps are planned to easily convert into villages
- Using the massive demand to set up a local manufacturing industry for housing

Case Study 1:

Master Planned Mining Village in the Galilee

- **Set up Efficiently**

Minimising footprint and creating quality public space

- **Create a Community**

Place making generates liveable community for easy identification

- **Operate Sustainably**

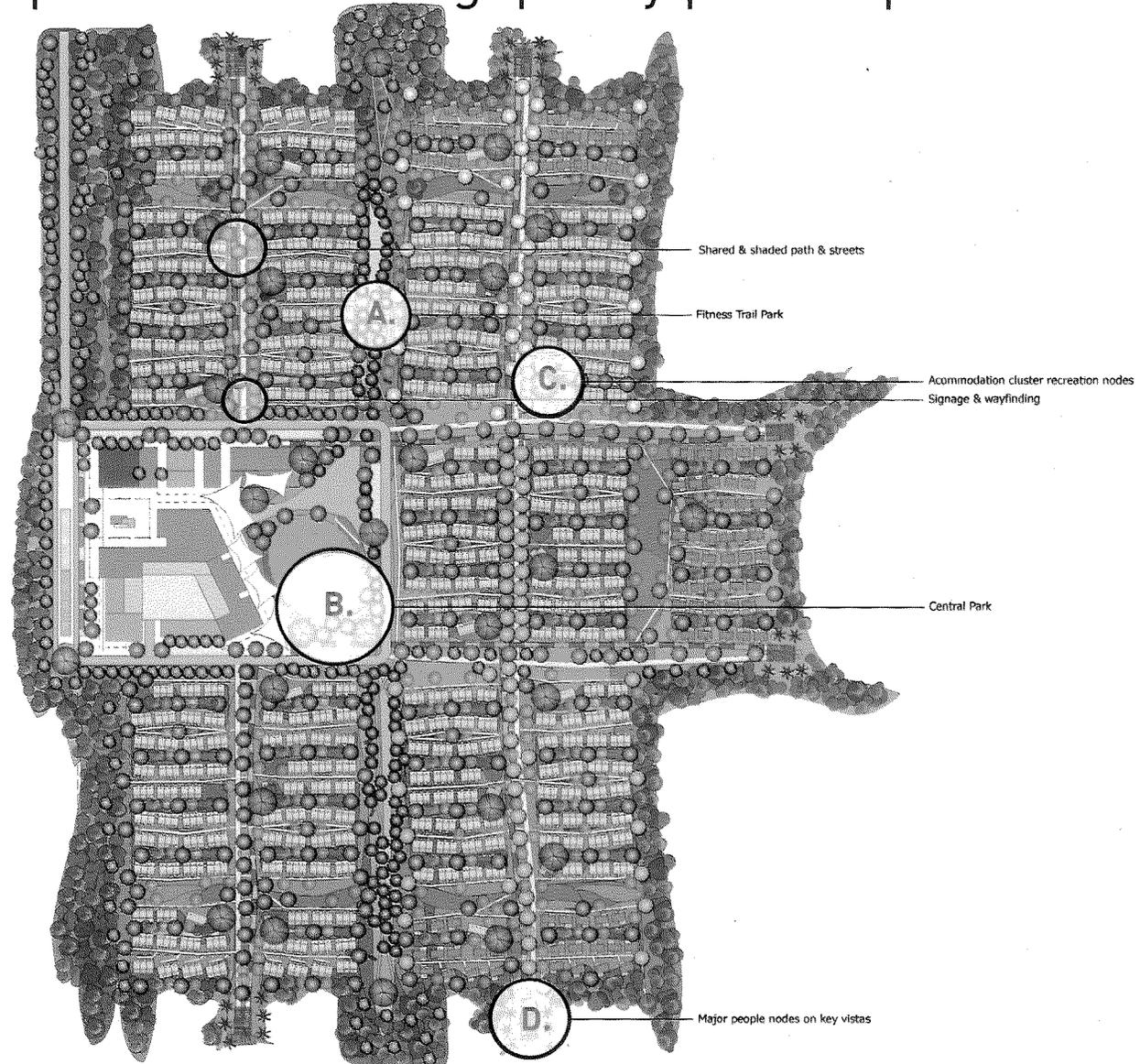
Minimising impact by integrating environment and passive design

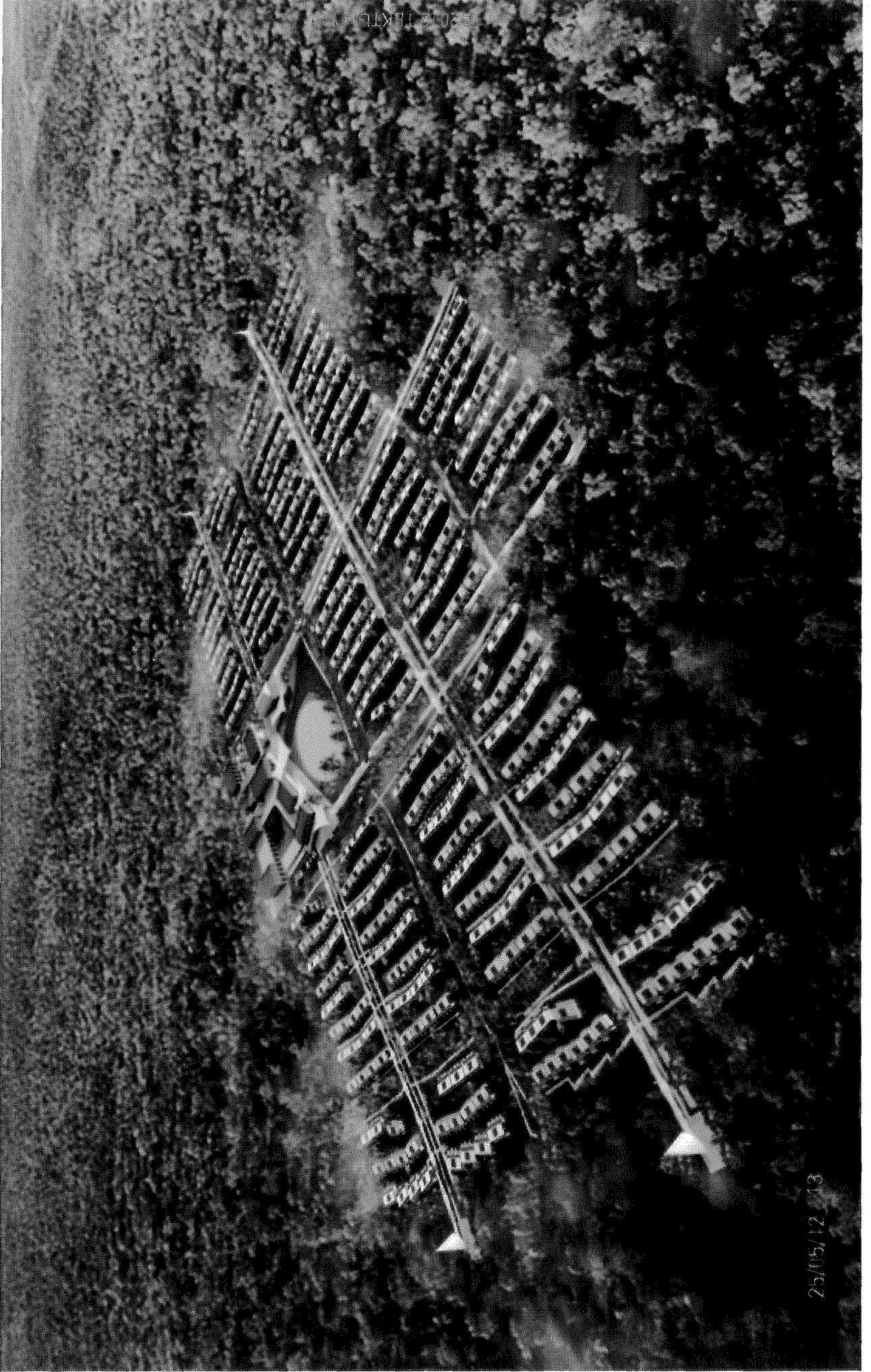
- **Planned for the Future**

Flexible planning to grow into a village or become part of one

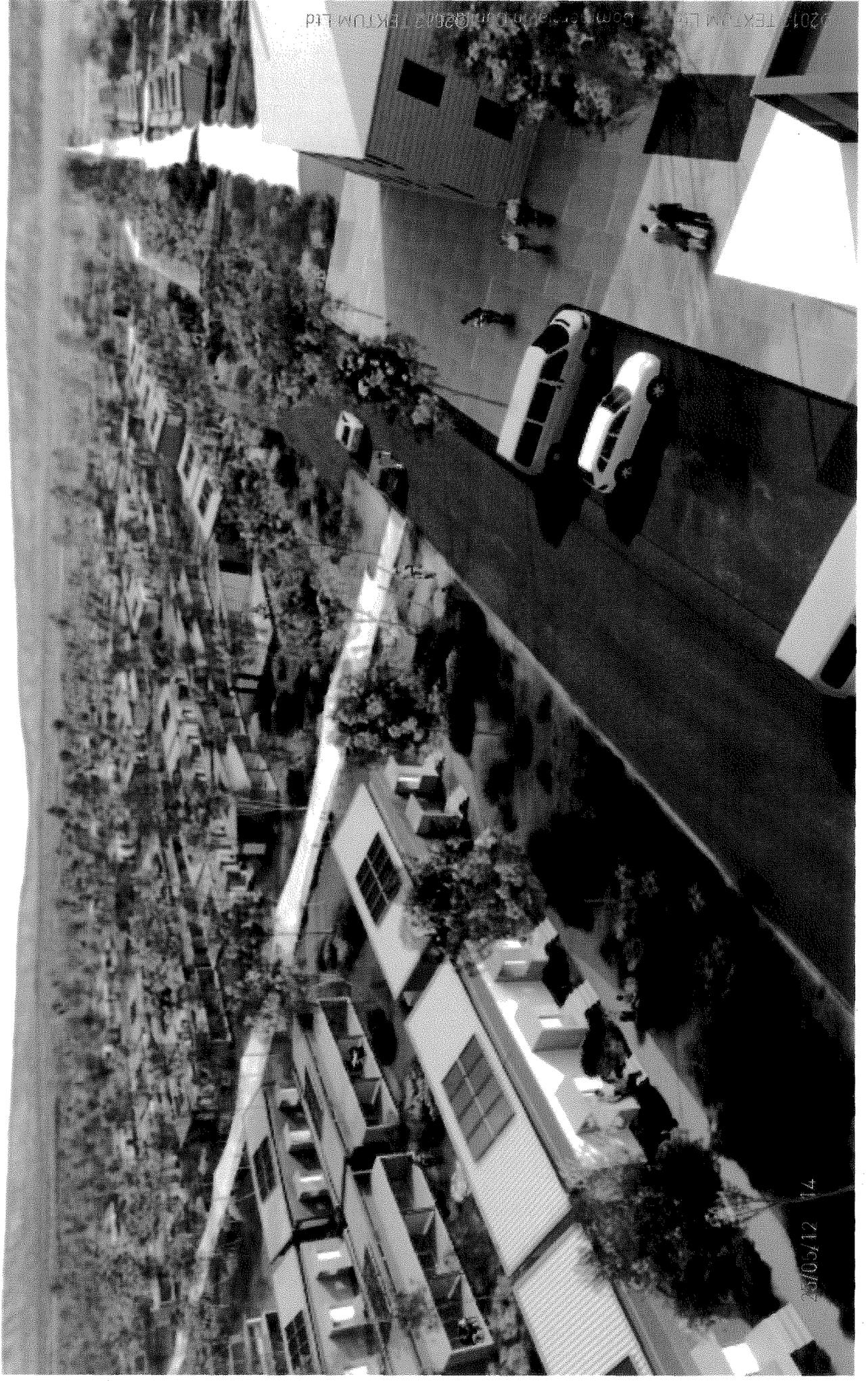
• Set up Efficiently

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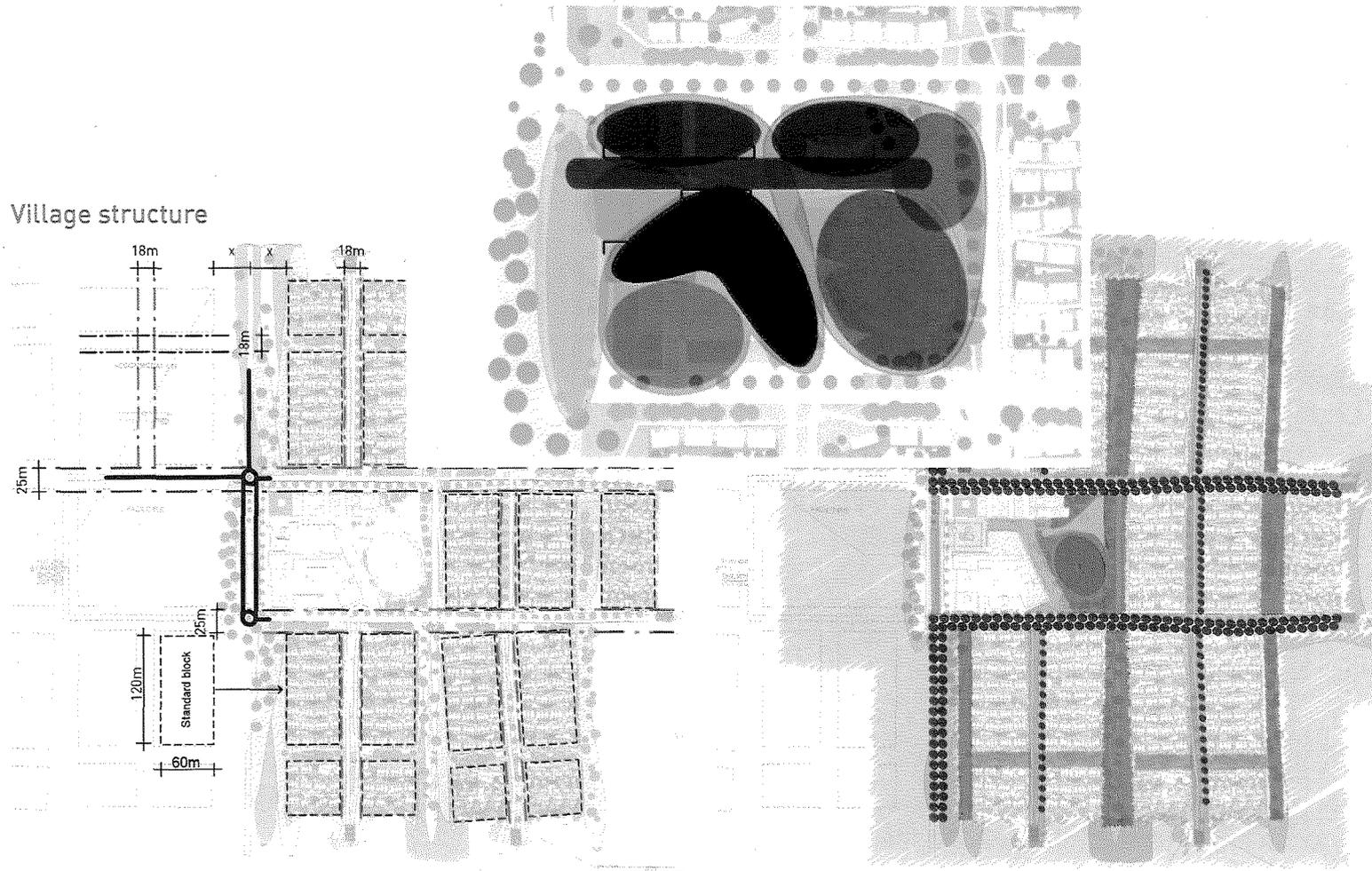


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- **Create a Community**

Place making generates liveable community for easy identification

Functions clustered around Main Street





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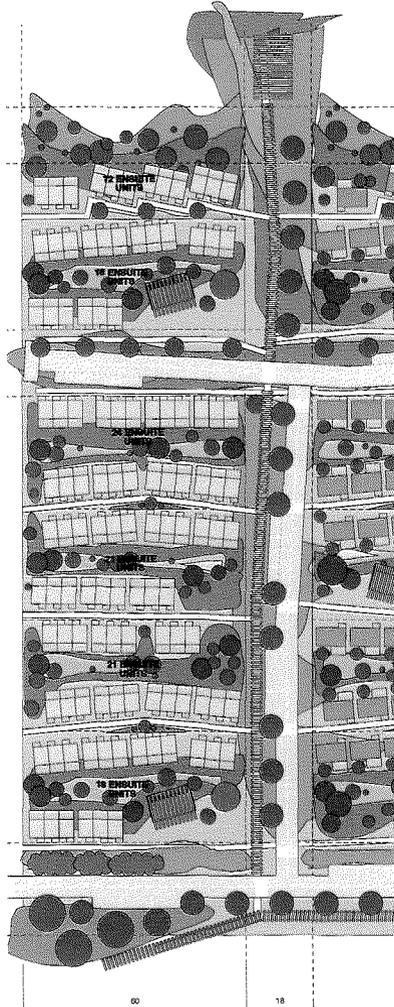
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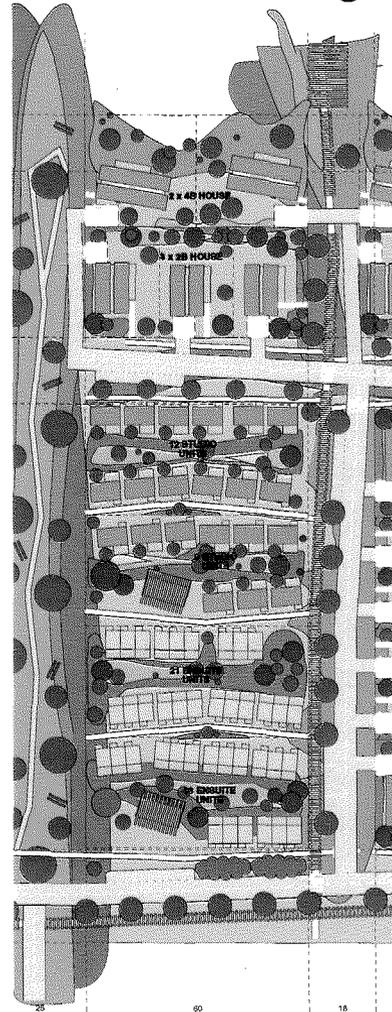


- **Set up for the Future**

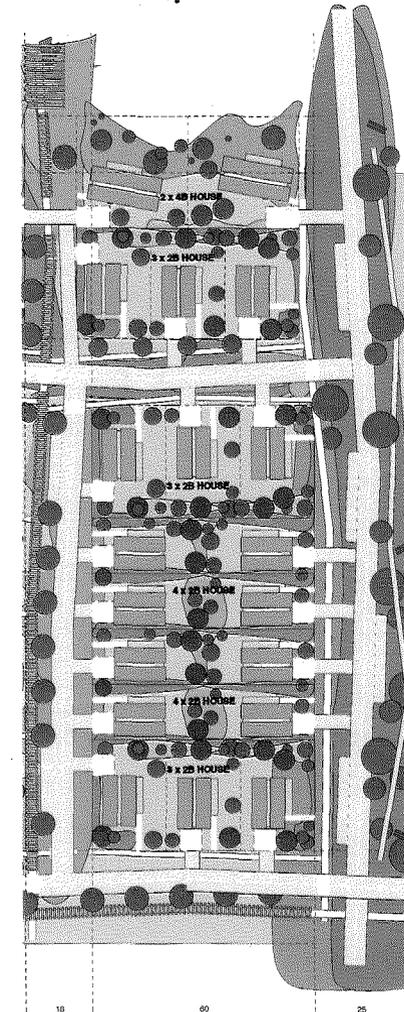
Flexible planning to grow into a village or become part of one



Initial FIFO Setup



Transient Layout



Village Structure

The mining boom's massive and immediate demand can enable the establishment of a mass manufacturing response.

Mass manufacturing is the key to affordable housing.

How do we live in Australia today?

- **unAffordable**

Current: **40%** of families pay **30%+** for housing

- **unSustainable**

Current: **20%** of global energy used for housing

- **unSafe**

Current: **55%** of injuries happen in or around homes

- **unAccessible**

Current: homes are not suitable for **20%** of the population

TEKTUM designs and manufactures in Australia a range of architecturally customised, sustainable, safe and affordable ready-made housing.

TEKTUM'S product **HOUSE2.0**
will define the way we live tomorrow





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