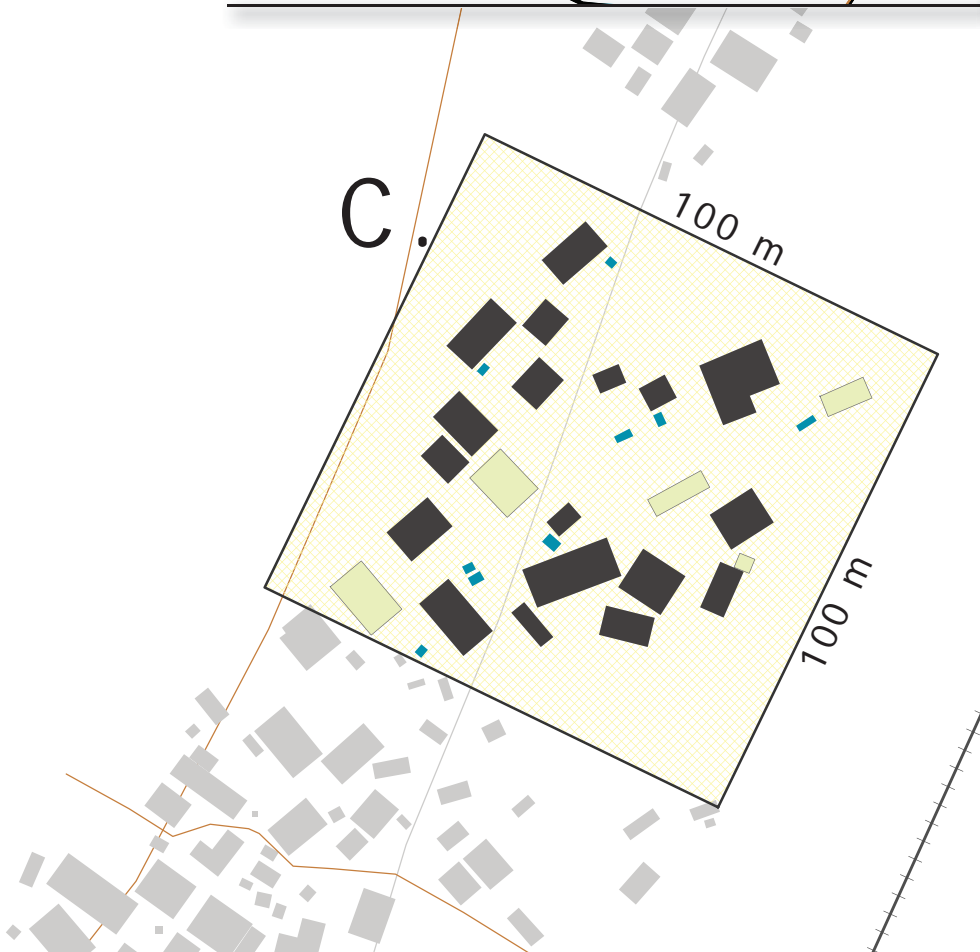
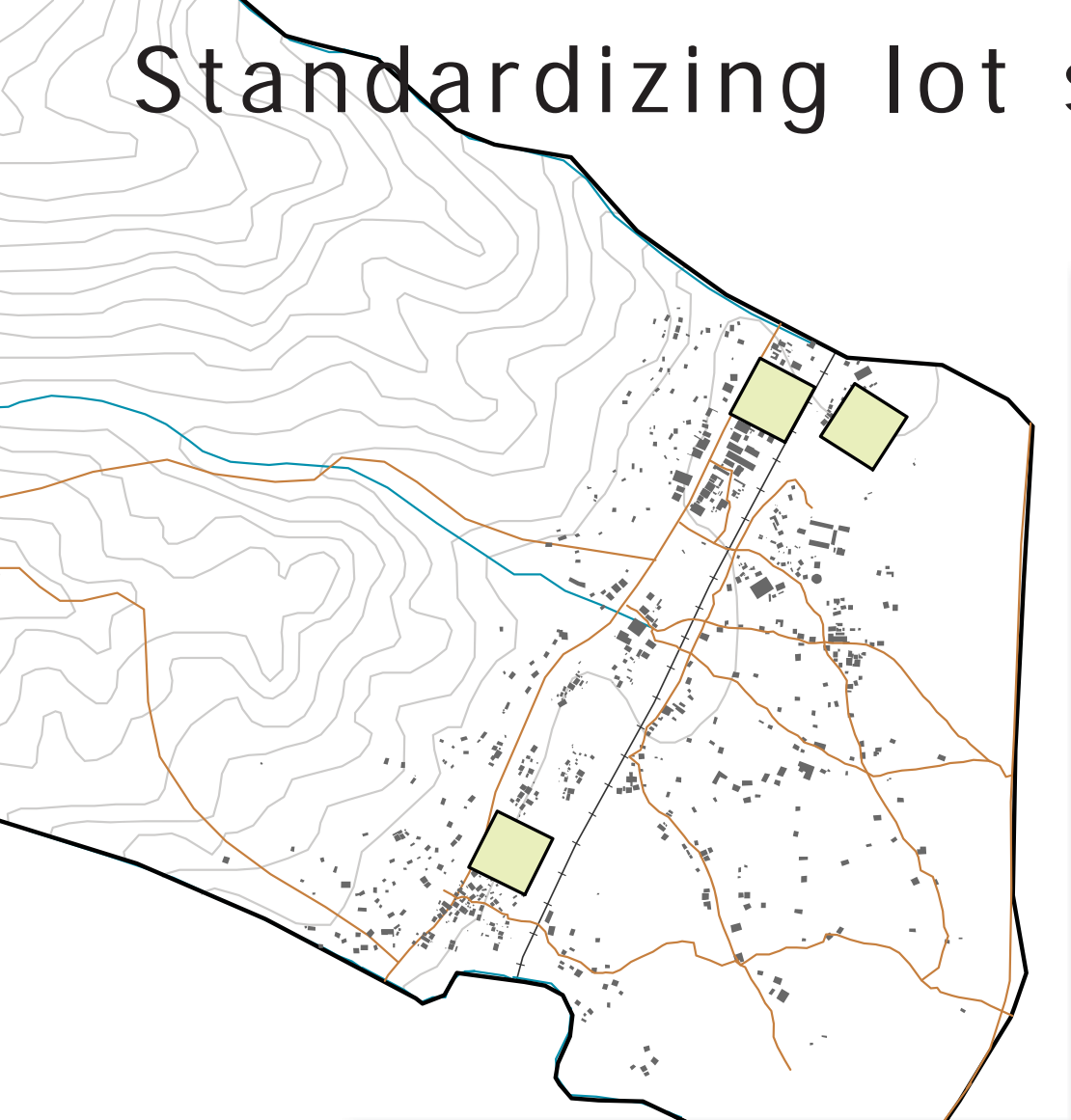


# Addressing rising populations: Tundu, Tanzania

A topographic map of Tundu, Tanzania, showing contour lines, roads, and buildings. The map features a network of roads in blue, orange, and grey, and a cluster of buildings in grey. The terrain is hilly, with contour lines indicating elevation. The map is overlaid with a grid of dashed lines.

- Fertile land in the Kilombero valley has led to an influx of population levels in villages located between the foothills of the Udzungwa Mountains and the agricultural fields of the valley.
- Because villagers are attracted to the agricultural fertility of the region, encroachment is occurring on the ecologically sensitive slopes of the Udzungwas.
- Observation of Tundu, and the other villages like it, reveal that development has occurred organically.
- This project is a catalyst for the resolution of the spatial inefficiencies of organic growth.

# Standardizing lot sizes: existing densities



## Density test-blocks

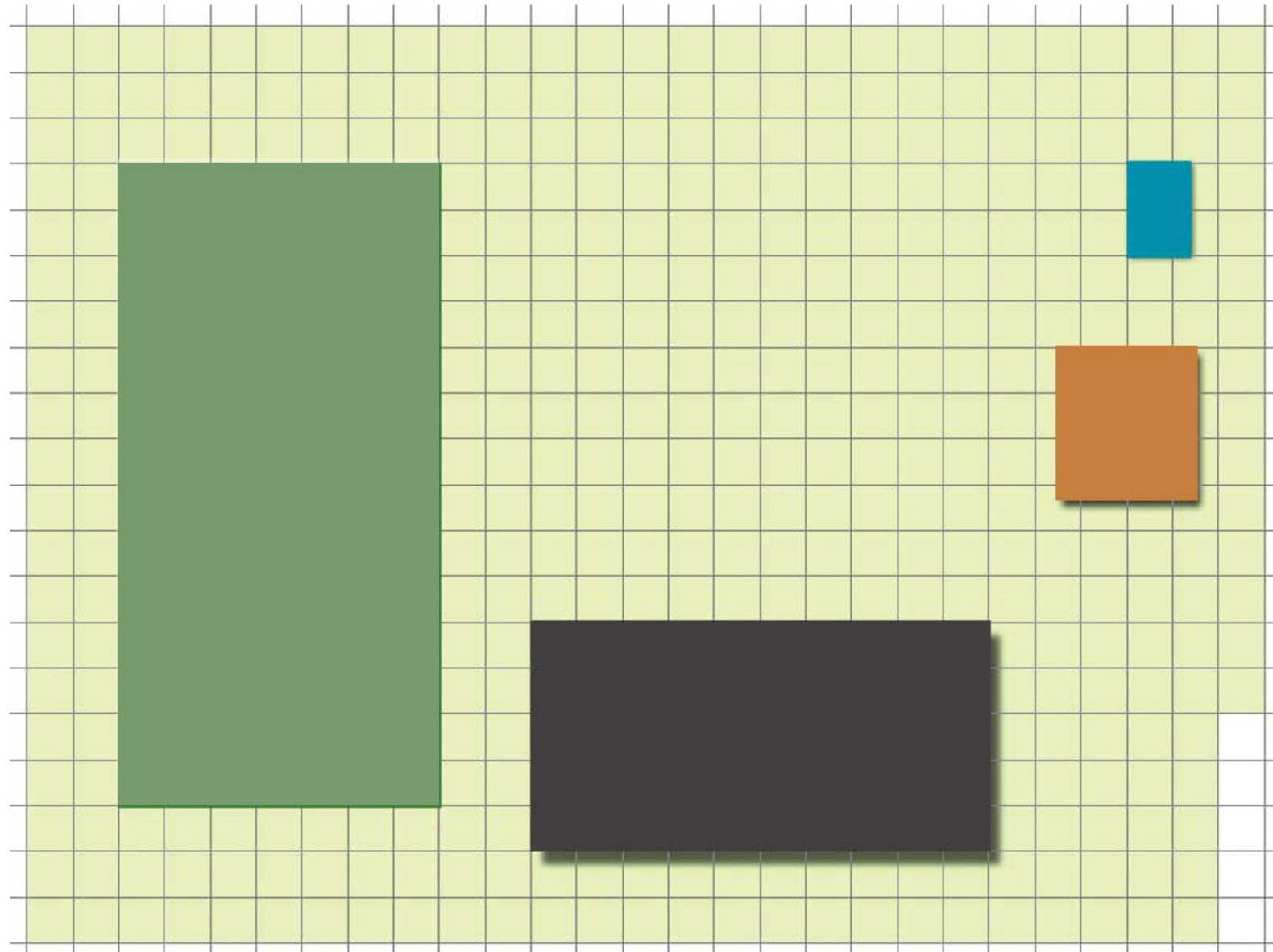
- A.  $8,500 \text{ sqm} / 20 \text{ homes} = 425 \text{ sqm plots/home}$
- B.  $8,500 \text{ sqm} / 12 \text{ homes} = 708 \text{ sqm plots/home}$
- C.  $8,500 \text{ sqm} / 18 \text{ homes} = 472 \text{ sqm plots/home}$

### Building Type:

- Home
- Latrine
- Kitchen
- Other

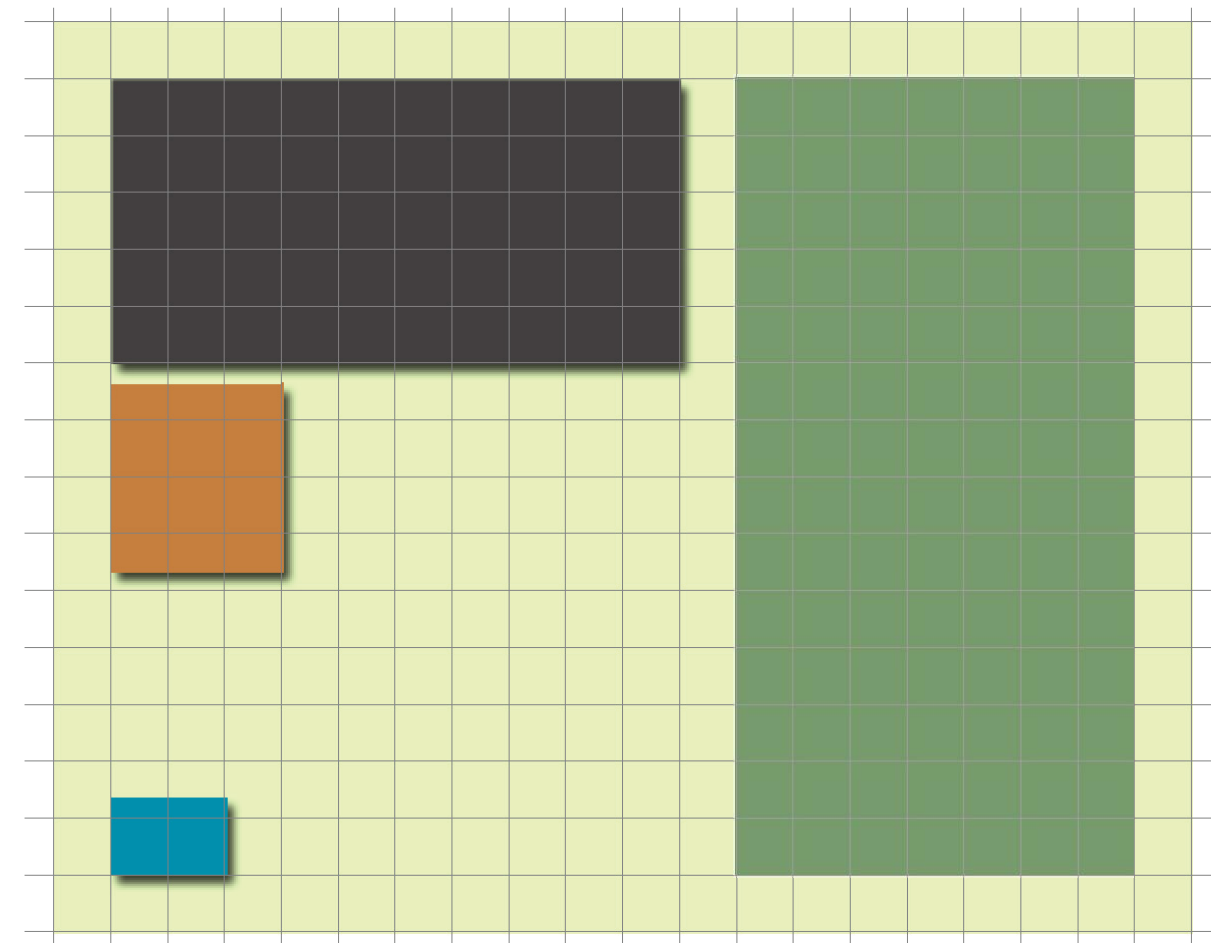
# Standardizing lot sizes: alternative lot layout

Current conditions = 535 sq m per home

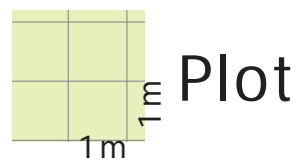


Proposed conditions = 300 sq m per home

Result = 44% decrease in plot size/home



## Legend



## Average sizes

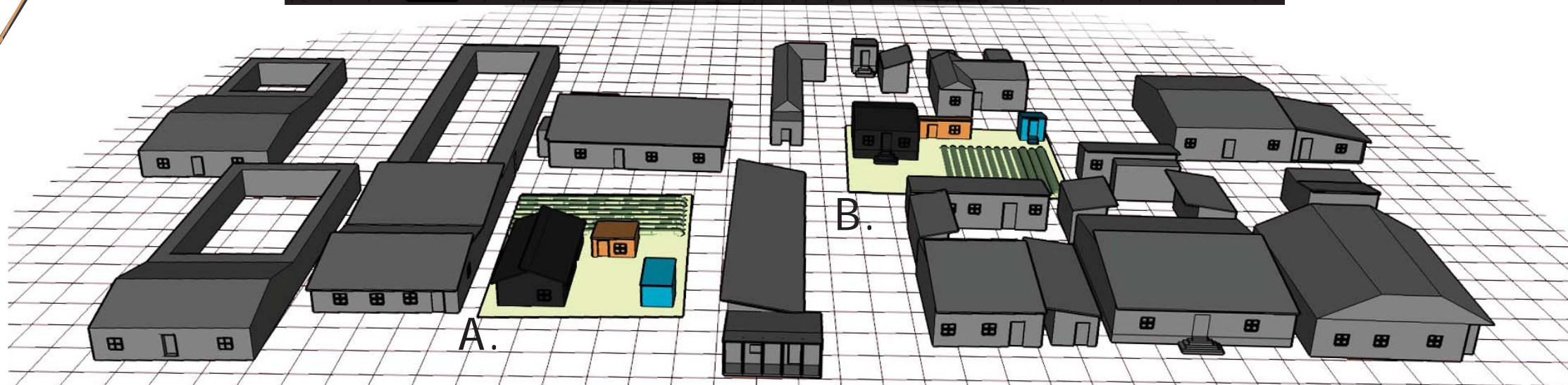
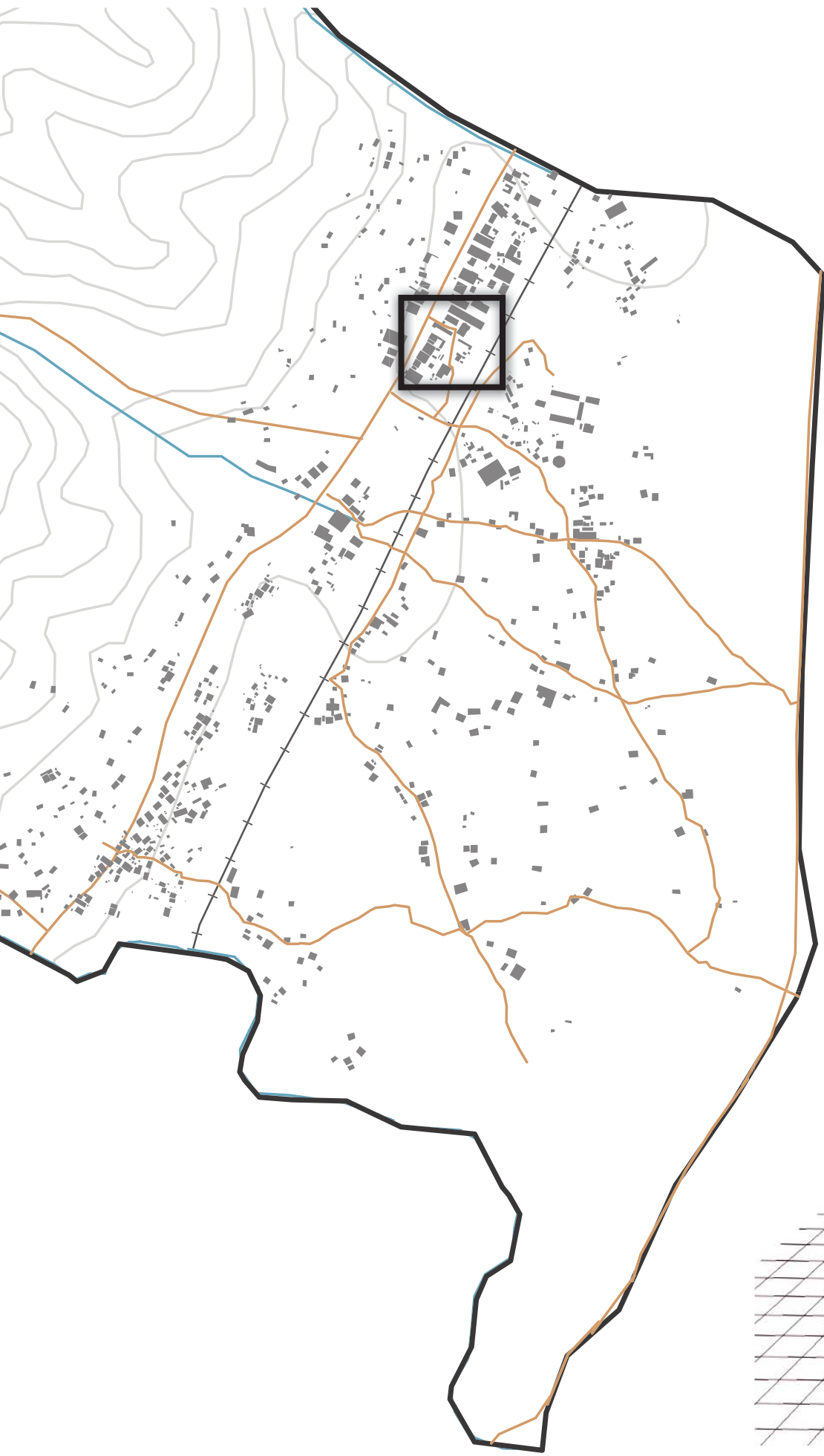
Home: 48.38 sq m

Latrine: 4.64 sq m

Kitchen: 9.62 sq m

Shamba

# Redevelopment goals: filling the voids



# Redevelopment goals: applying a grid

