

# **32** WAITING AGRICULTURAL LAND

## [ m + f ]

landowners, farmers, builders, government employees

Lack of infrastructure and rigid taxation hinders farmers from cultivating their land. Remaining agricultural land is therefore waiting land, in the process of being prepared for construction or left until ownership problems are resolved and the means become available to the owners. Owners intentionally transform their waiting agricultural land into urban voids by the means of destroying the soil and using the land as a garbage dump in order to tweak the law and be able to proceed with construction. Waiting agricultural land is often surrounded by urban voids, which were former agricultural land that did not survive.

#### larger patterns

the big city is a magnet, shortage in resources, laissez faire policy, loss of agricultural land, don't blame the farmer.

### smaller patterns

agricultural land as a garbage farm, planting steel re-bars, construction on agricultural land, shared walls, cantilevered building typology, incompleteness, streets follow irrigation grid, street width, constuction networks.

#### FORCES

**02** self-generated interventions

**04** temporal activities

**06** economic forces

**07** response to immediate needs

**08** value engineering

**10** ownership



REMAINING AGRICULTURAL LAND \*- REMAINING AGRICULTURAL LAND \*- REMAINING AGRICULTURAL LAND \*-

#### POTENTIAL / PROBLEM

"A particular class of rituals and ceremonies has arisen around certain buildings and productive operations in which the technical act of building or production is integrated with the symbolic and social dimension of the culture. It is this class of ritual which appears to link and address acts of building and landscaping to the social and cultural life of the community" 677 - Abdelhalim I. Abdelhalim

#### Therefore:

Transform passive waiting land into a communal hub that provides the residents with economic, socio-cultural, farming, energy-generating and educational activities. Re-build a farming community that serves as catalyst and prototype for other waiting plots. This is an alternative income-generating use of land for the owner that should substitute residential construction.



97,292 m<sup>2</sup>
MAP: WAITING AGRICULTURAL LAND

Figure 4.66 Occurrence of waiting agricultural land in Ard El Lewa



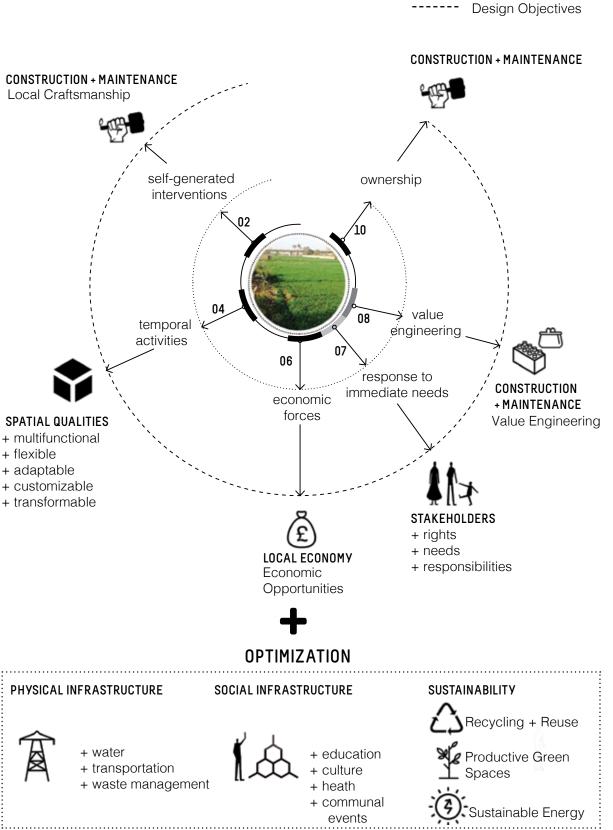
Figure 4.67 Waiting agricultural land at the formal [in]formal border



Figure 4.68 Preparing waiting agricultural land for construction



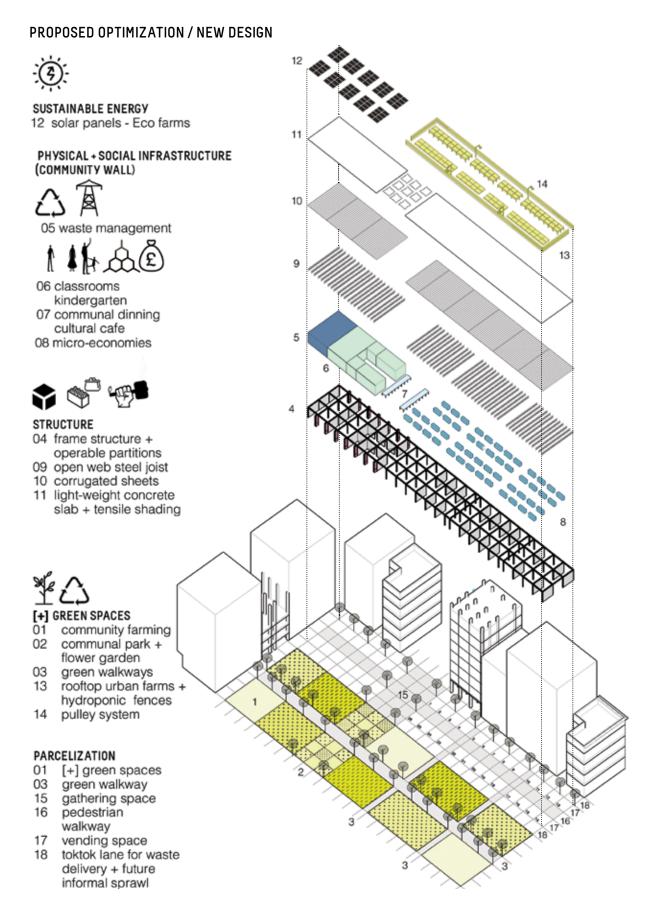
Figure 4.69 Land subdivision

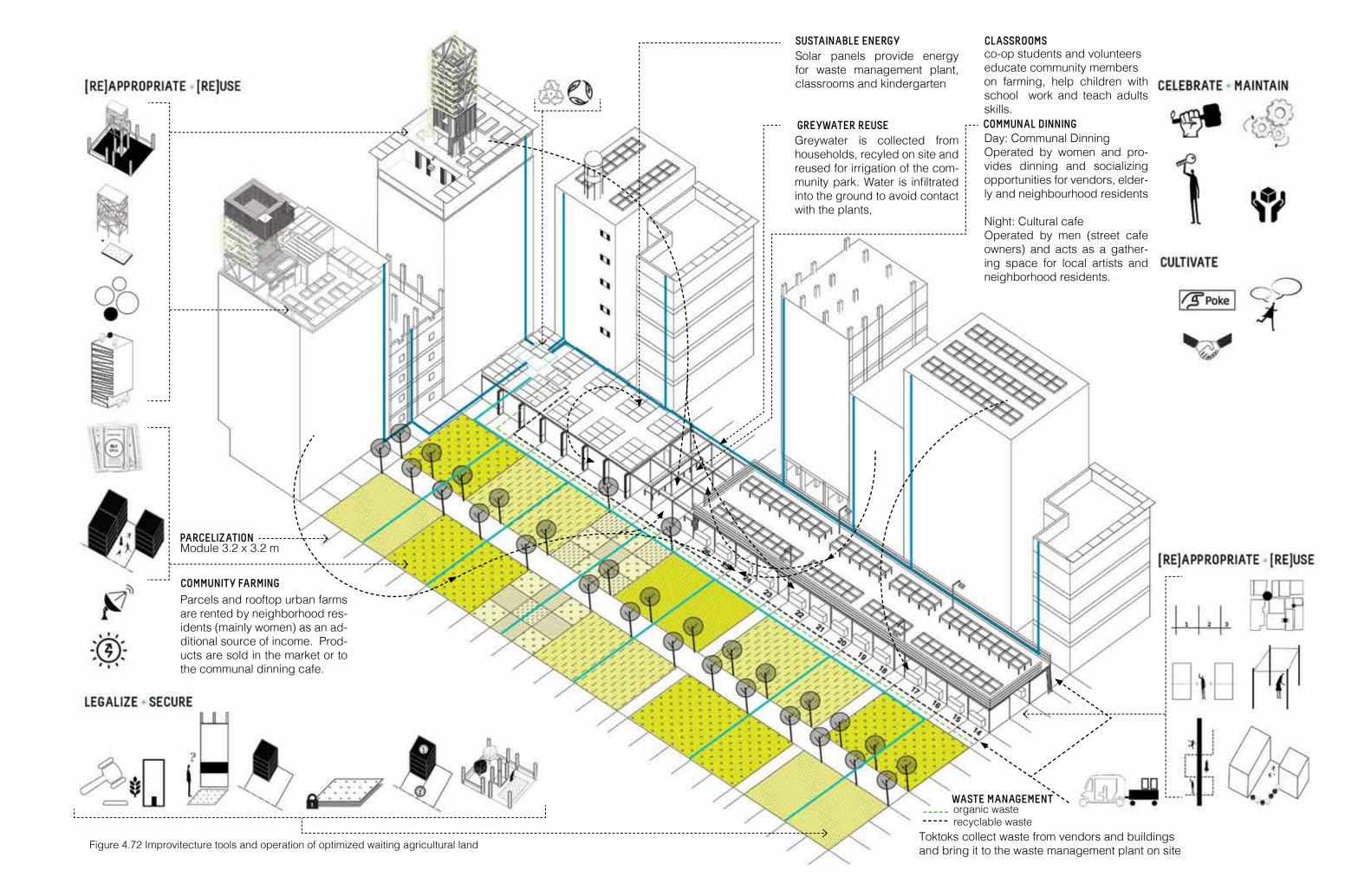


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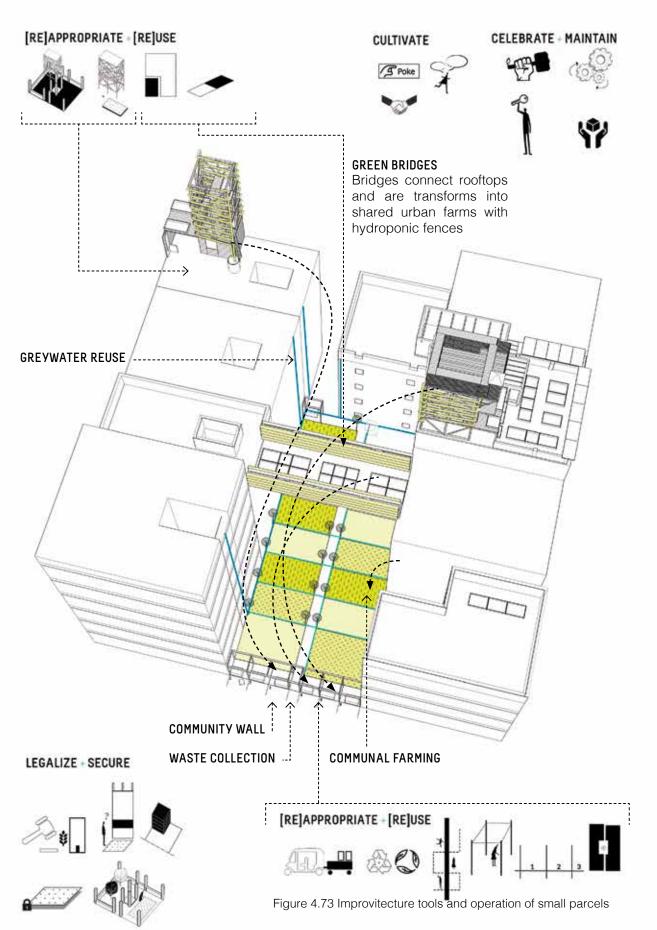
Figure 4.70 Pattern-Forces-Design Objectives Chart for waiting agricultural land

**DESIGN OBJECTIVES + OPTIMIZATION LAYER** 





REMAINING AGRICULTURAL LAND 35 WAITING AGRICULTURAL LAND +-REMAINING AGRICULTURAL LAND 35 WAITING AGRICULTURAL LAND +-



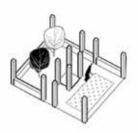
## IMPROVITECTURE TOOLS

## LEGALIZE + SECURE



1.2 negotiate ownership + tenure right

landowners agents of change committee government officials farmers



1.5 green roofs by law

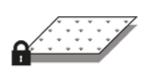
government officials landowners agents of change committee building residents

## **CULTIVATE**



cultivate curiosity in the young first

designers agents of change committee young adults + children



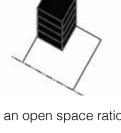
preserve existing vacant land

government officials agents of change committee landowners



1.7 shared but separate electric meter

government officials landowners agents of change committee tenants: vendors, etc.



secure an open space ratio

1.4

builders landowners agents of change committee



2.2 reclaim vacant spaces with neighbours' needs

designers landowners residents tenants: vendors, etc. agents of change committee



2.3 cultivate partnerships first

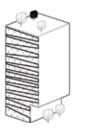
designers landowners agents of change committee tenants: vendors, etc.

## [RE]APPROPRIATE + [RE]USE



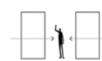
3.6 swap properties for public interest

government officials agents of change committee landowners



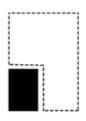
3.20 green walls + green roof + green streets

designers landowners building owners housewives residents builders



3.26 introverted market

designers landowners agents of change committee



35 WAITING AGRICULTURAL LAND \*-

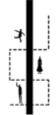
3.14 negotiate air rights

building owners land owners agents of change committee designers



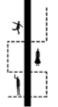
3.15 create [+] urban pockets

designers landowners agents of change committee



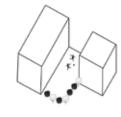
3.22 boundaries are community walls

designers landowners farmers vendors street cafe owners housewives



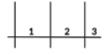
3.28 reduce, reuse, recycle

landowners agents of change committee waste management residents tenants: vendors + farmers toktok drivers designers



3.23 green edible fences

designers landowners agents of change committee farmers



3.30 reclaim your territory by numbers

landowners tenants: vendors + farmers mobile vendors designers



3.31 eco farms on rooftops

landowners agents of change committee government officials funding agencies designers



3.32

toktok for waste collection

landowners tenants: vendors, etc. agents of change committee toktok drivers waste management





4.1 handmade increases ownership + collaboration

designers agents of change committee landowners local ctaftsmen tenants: vendors, etc. residents



4.2 building ceremony

agents of change committee designers land owners tenants: vendors, street cafe owners, etc. residents farmers artists funding agencies



4.3 own to protect

landowners tenants: vendors, etc. farmers



micro-economies as a tool for social responsibility

landowenrs agents of change committee toktok drivers

