

SDC Construction Course 16. – 20. March 2009



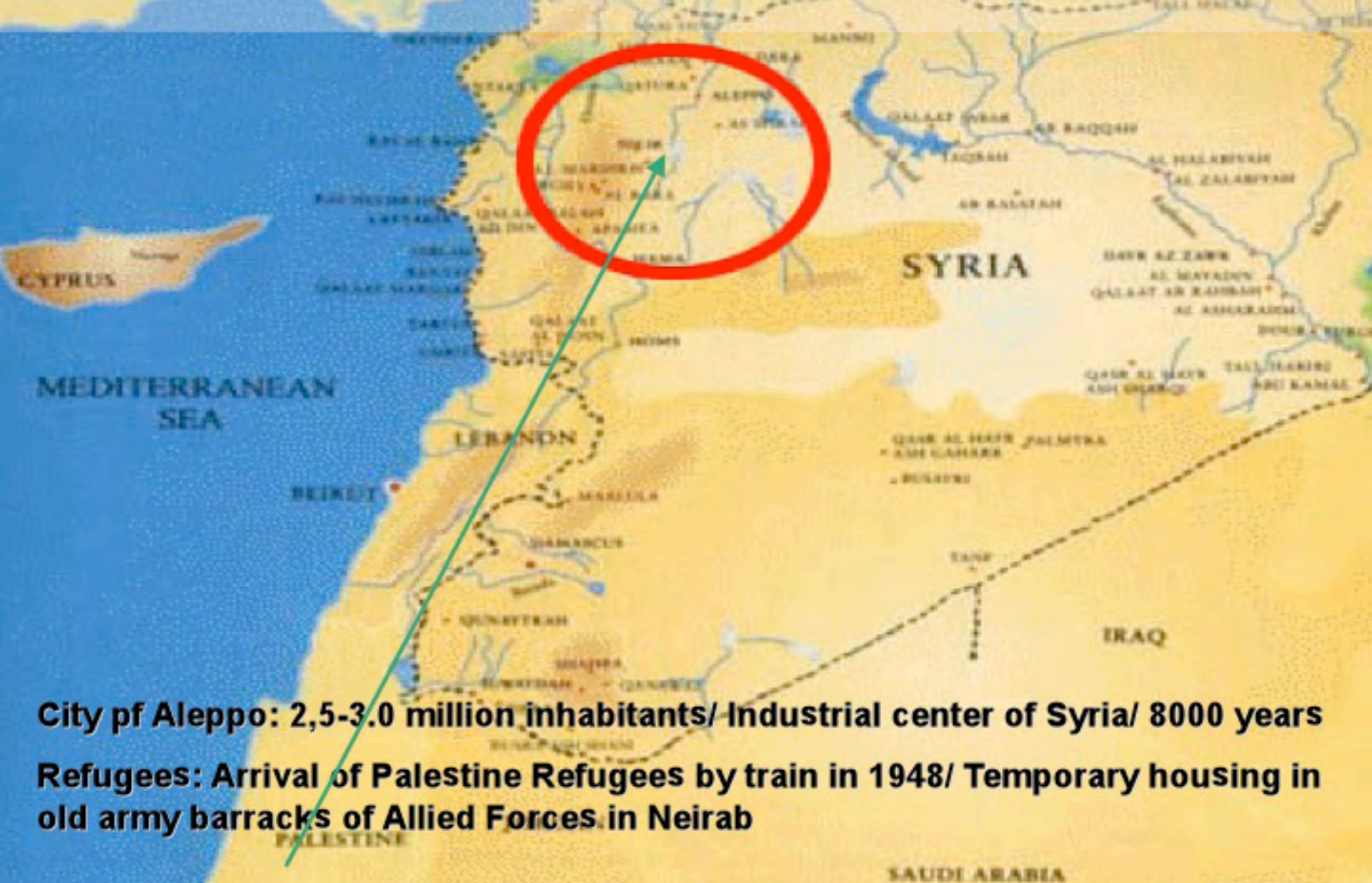
UNRWA

Neirab Rehabilitation Project Aleppo, Syria

Presentation

- History and Growth of the Neirab Camp
- Development of the Neirab Rehabilitation Project NRP
- Project Phase 1
- Preparation Project Phase 2
- Asset Mapping
- Future Project Implementation

1. History and Growth of the Neirab C



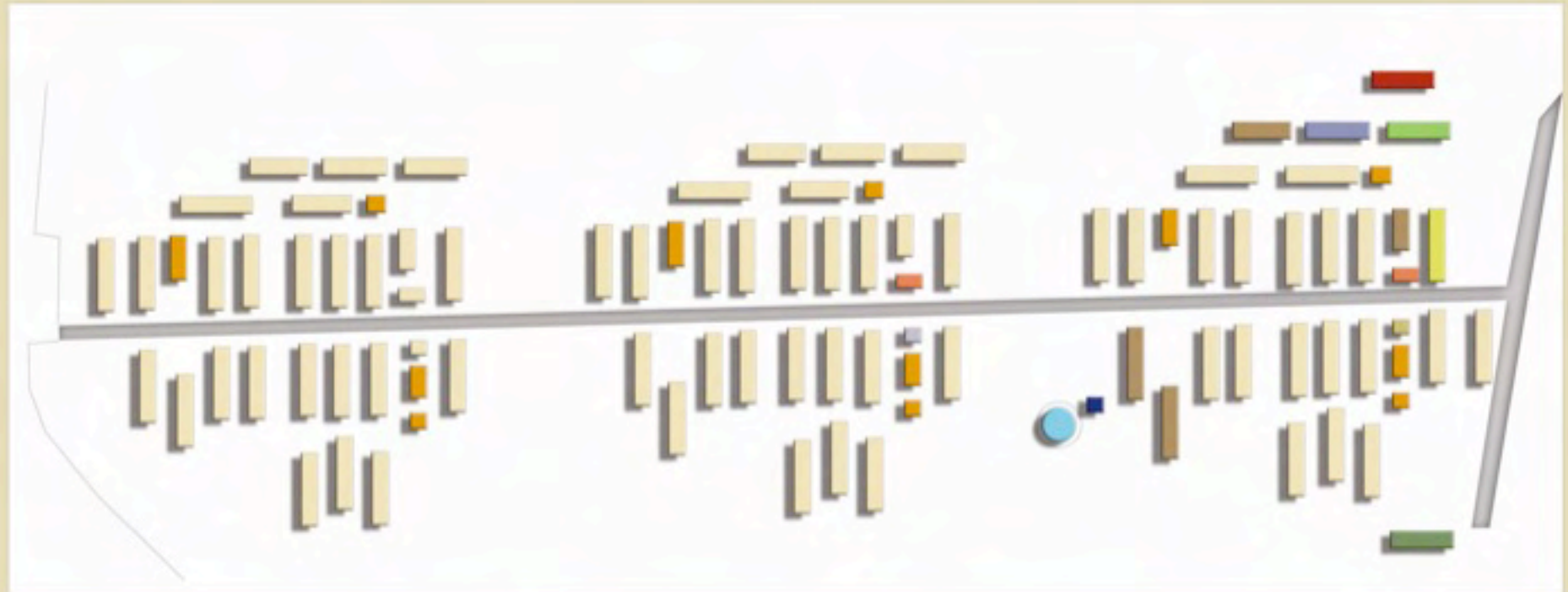
City of Aleppo: 2,5-3.0 million inhabitants/ Industrial center of Syria/ 8000 years

Refugees: Arrival of Palestine Refugees by train in 1948/ Temporary housing in old army barracks of Allied Forces in Neirab

Main Street 1955



The Original Camp



Association		GAPAR		Police Station		Laundry		Hospital	
		Public bath room		Water tank		Mosque		Houses	
		Library		Water Well		School		WC	

Growth of the Camp























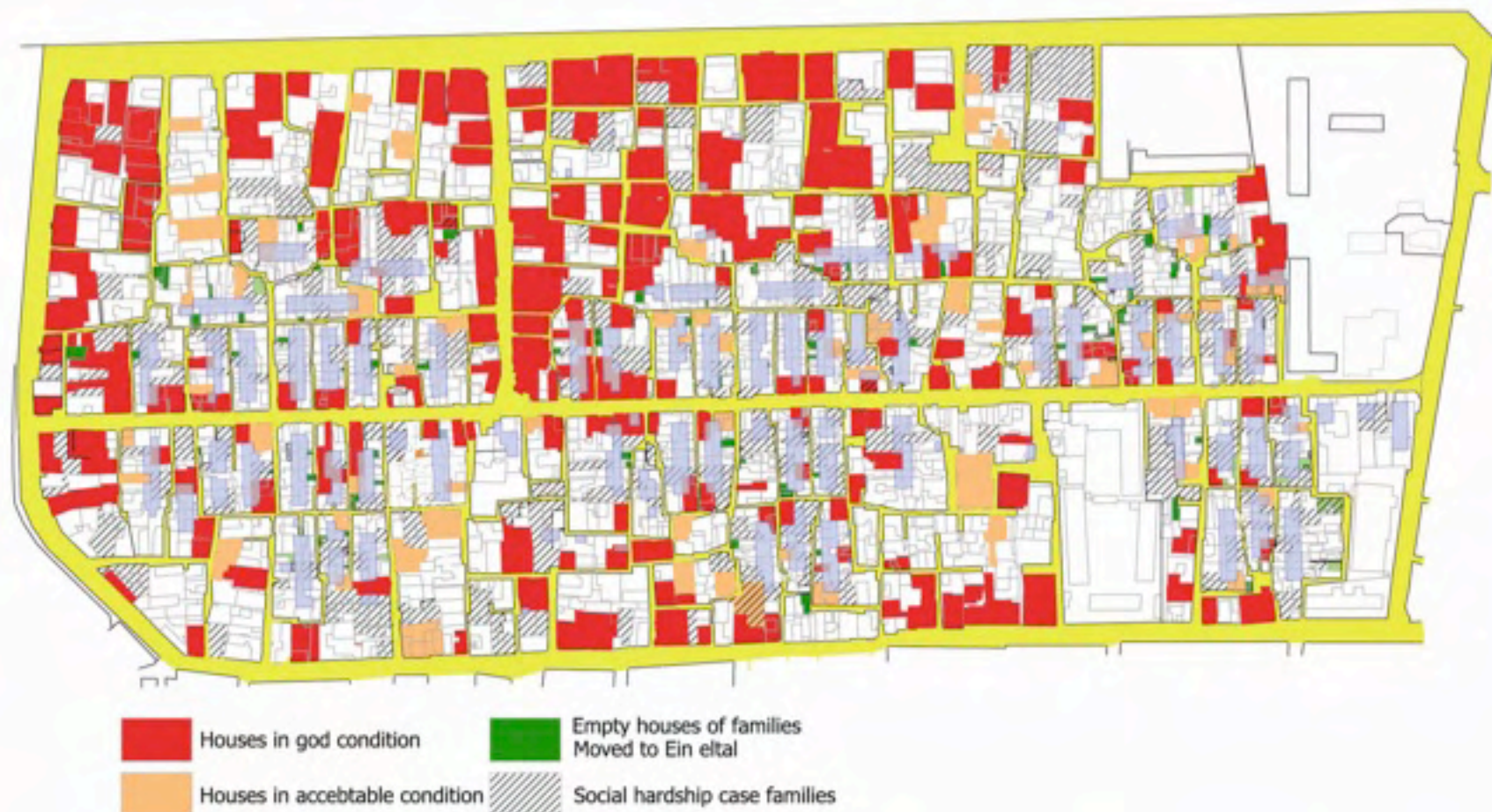




Situation of the Camp today



Situation of the Camp today



Feasibility Study 2000

Findings:

Crowded living in the Neirab Camp/
Poor housing conditions in the barracks
areas/ Minimal public spaces

Phase 1:

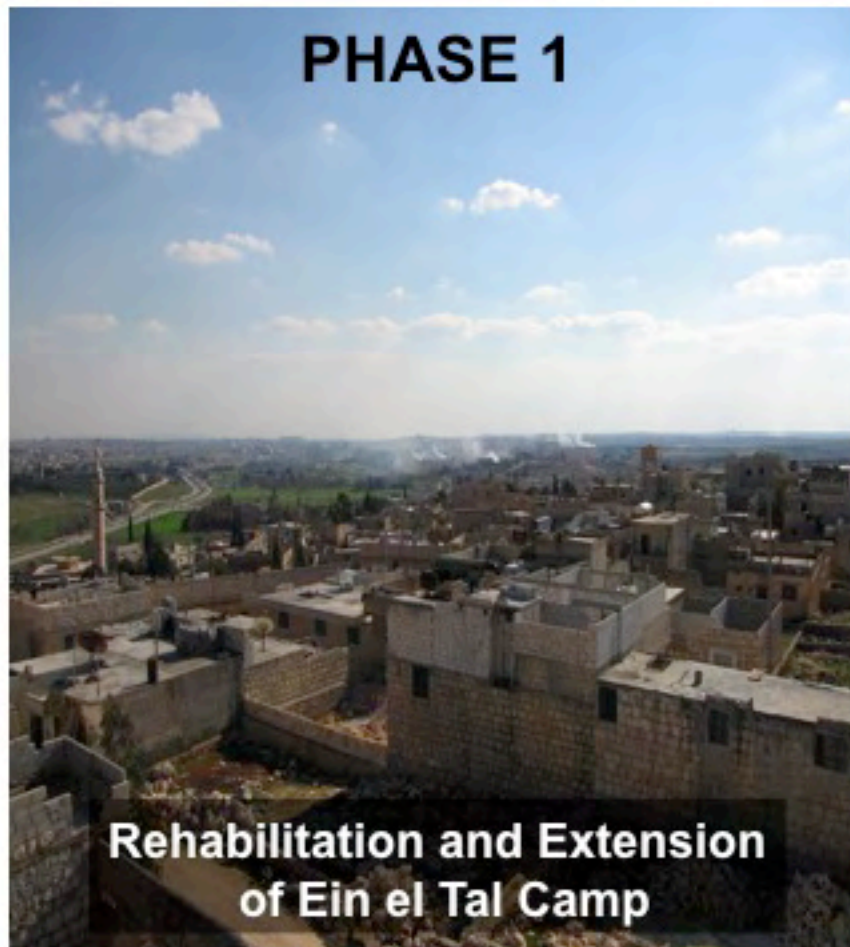
Extension of Ein elTal Camp with 300
new housing units/ Rehabilitation of
camp infrastructure

Phase 2:

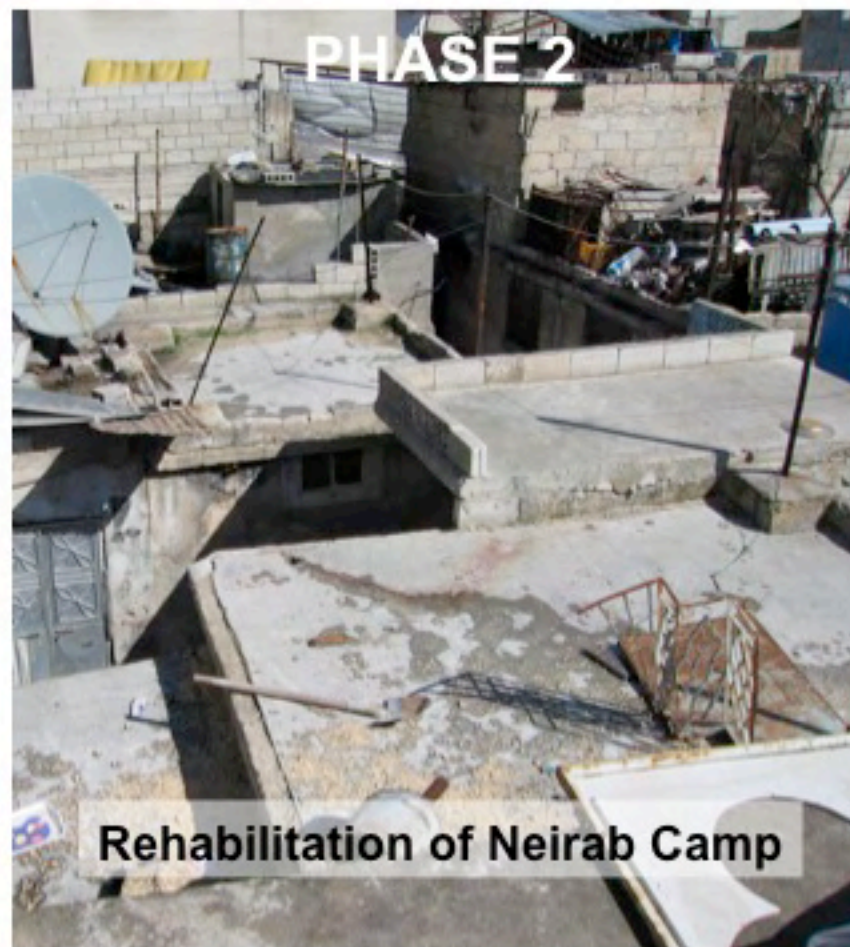
Cooperation with Neirab Refugee
Community/ Improvement Individual
Living Conditions + Camp Public Spaces

Neirab Rehabilitation Project

PHASE 1



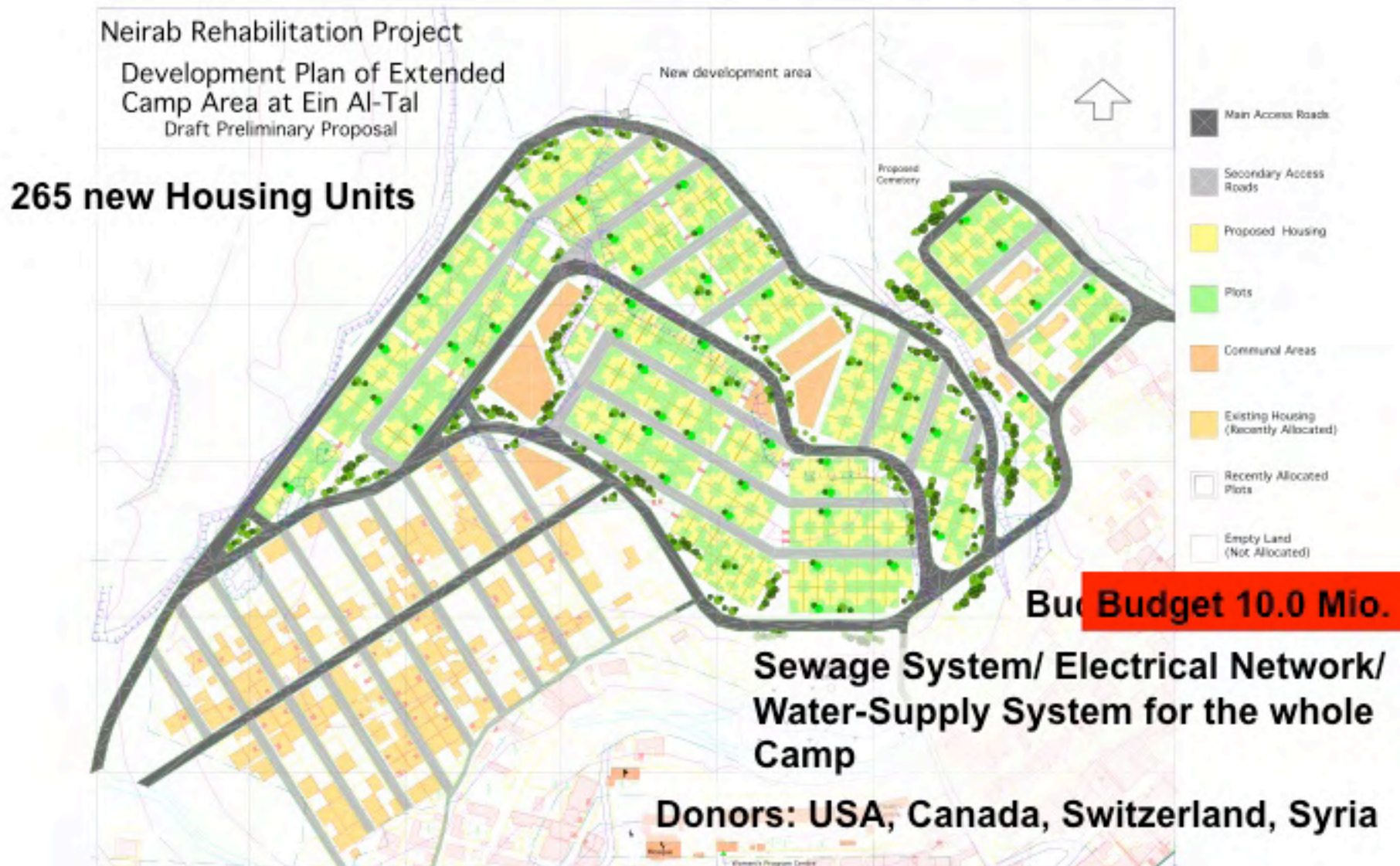
PHASE 2



Neirab Project Phase 1

Rehabilitation and Extension
of Ein el Tal Camp

Project Phase 1: Ein el Tal



Beneficiary Families from Neirab



New Housing Units



New Housing Units



Self-Help Building Works



Housing Unit



Infrastructure





Project Phase 2

Rehabilitation of the Neirab Camp

Planning of Phase 2

The Project Steering Committee PSC has adopted a Sustainable Livelihood Approach to consider the multiple aspects of the refugee livelihoods in the Neirab Project.

Asset Mapping Ein el Tal/ Neirab



Project Goal

To achieve a sustainable improvement in the refugee community's ability to pursue their livelihoods



Assets mapping

Asset mapping:

What do we expect from this...?

Information on the social, financial, physical, human and natural assets of the beneficiary group.

Define also the vulnerability of the beneficiary group in regard of the project.

Assets include:

Social assets

Links within the society
Communal activities
Cultural activities
Gender issues

Protected movement for women in the camp

Social links to families and relatives

Access to the roof for each family

Extension possibilities for the houses

Construction skills of the beneficiaries

Human assets

Education
Health
Manpower
Special skills of the beneficiaries



Assets include:

Natural assets

Green zones in the planning area
Agricultural activities (access to fields)
Water source

Physical assets

Housing / living conditions
Health and education facilities
Infrastructure

*Options for markets
and small shops in the
camp*

*Respecting the texture
of the existing structure*

Use of existing houses



Assets include:

Financial assets

Cash
Income
Pension
Savings

*Self help approach
including financial
participation of the
beneficiaries*



Expected Outcomes

Enhanced infrastructure along with public service and recreation facilities.

Improved living conditions attributed to newly constructed and rehabilitated housing units.

Improved ability to realise enhanced sustainable livelihoods including education opportunities and income generation.

Household asset mapping

- household demographics
- education
- employment sources
- physical assets
- income and expenditure
- coping strategies
- loan information
- services in the Camp
- gender analysis
- accessible institutions

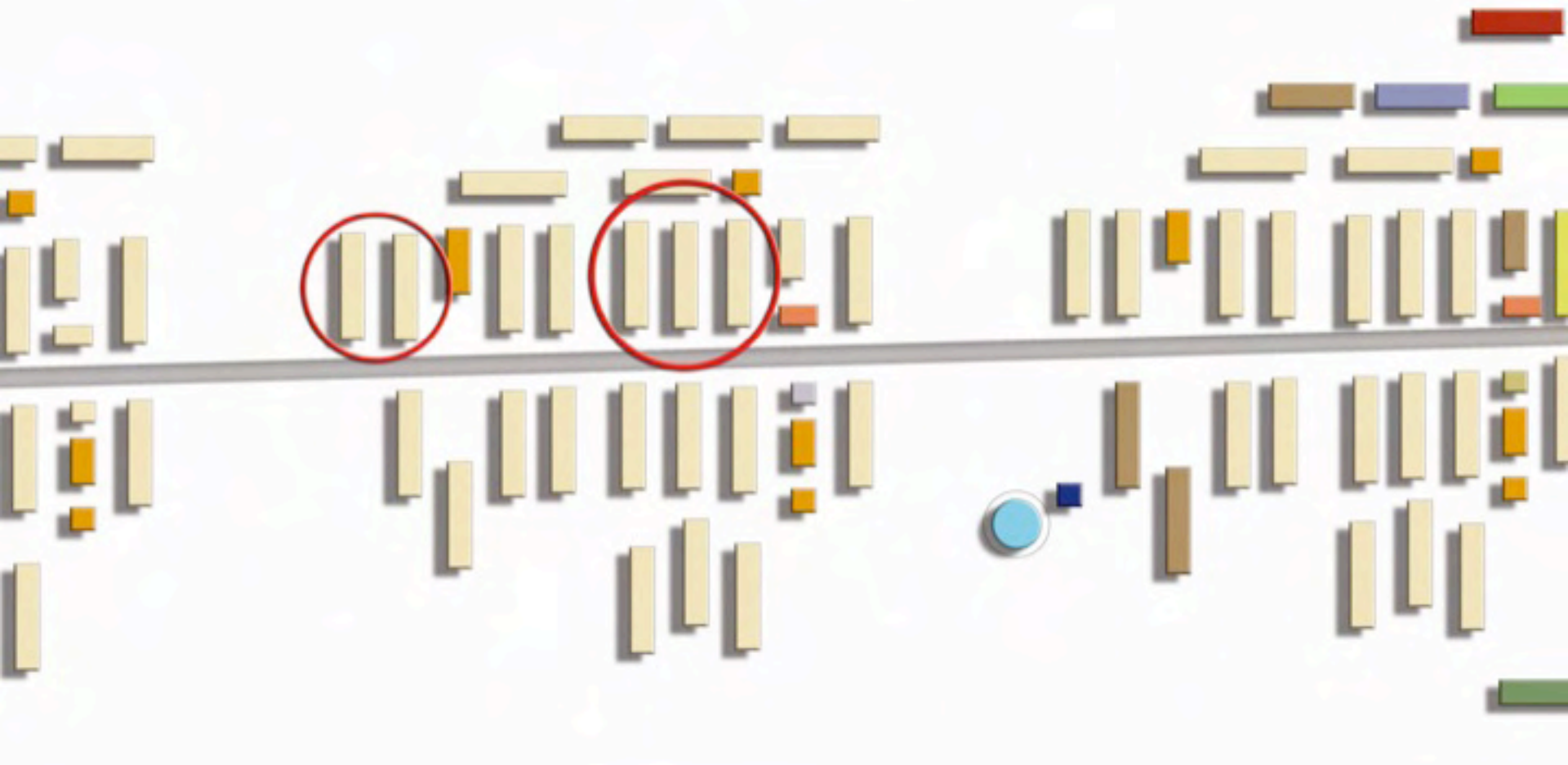
- social relations
- businesses in the camp
- economic situation
- income generation
- access to capital
- labour market
- customer relation
- housing situation
- female/male access to assets

Activities up to now

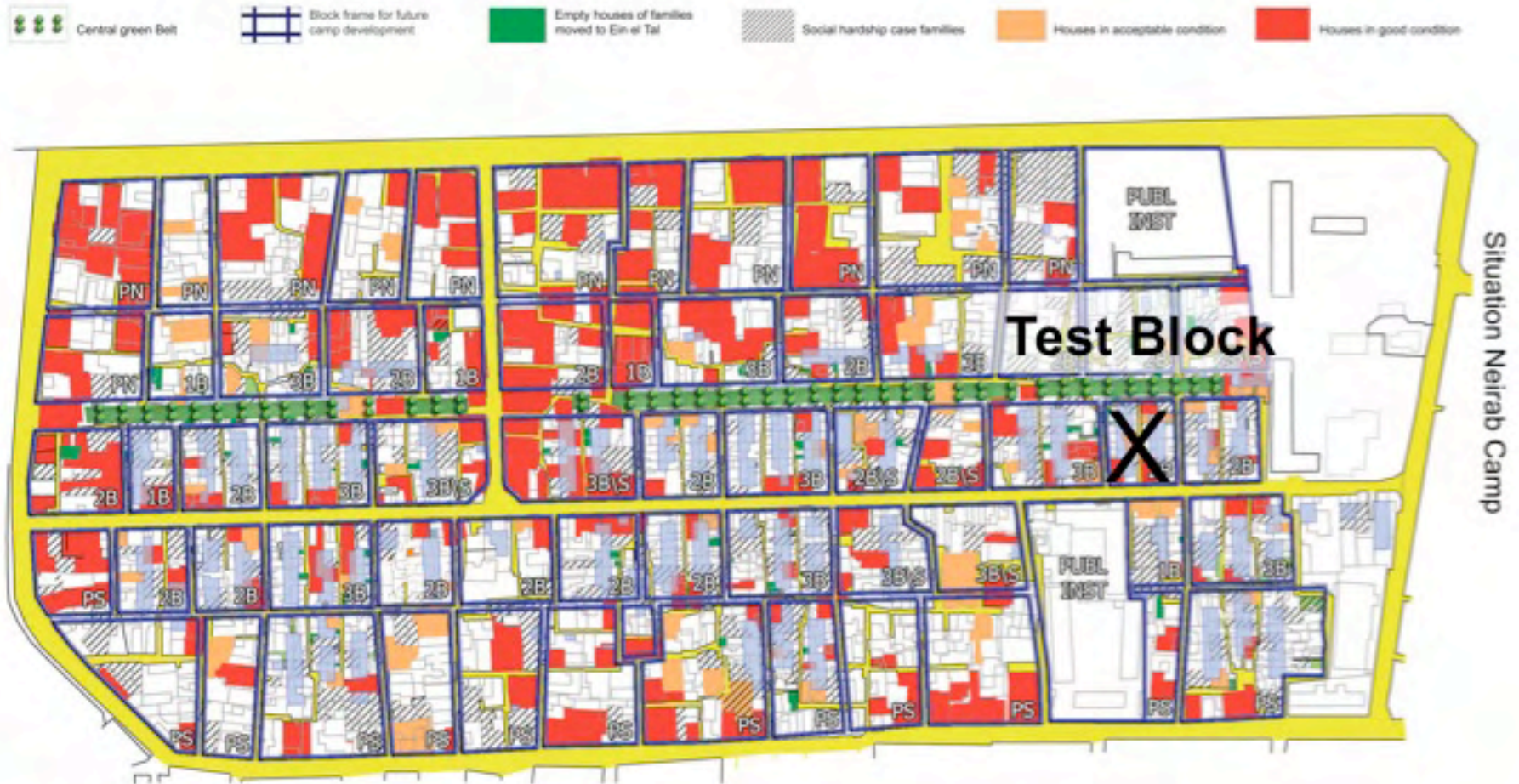
- *Asset mapping in the camp*
- *Family discussions in a test area to develop the 2nd project phase*
- Urban physical analysis
- Different approaches for the rehabilitation of the existing camp



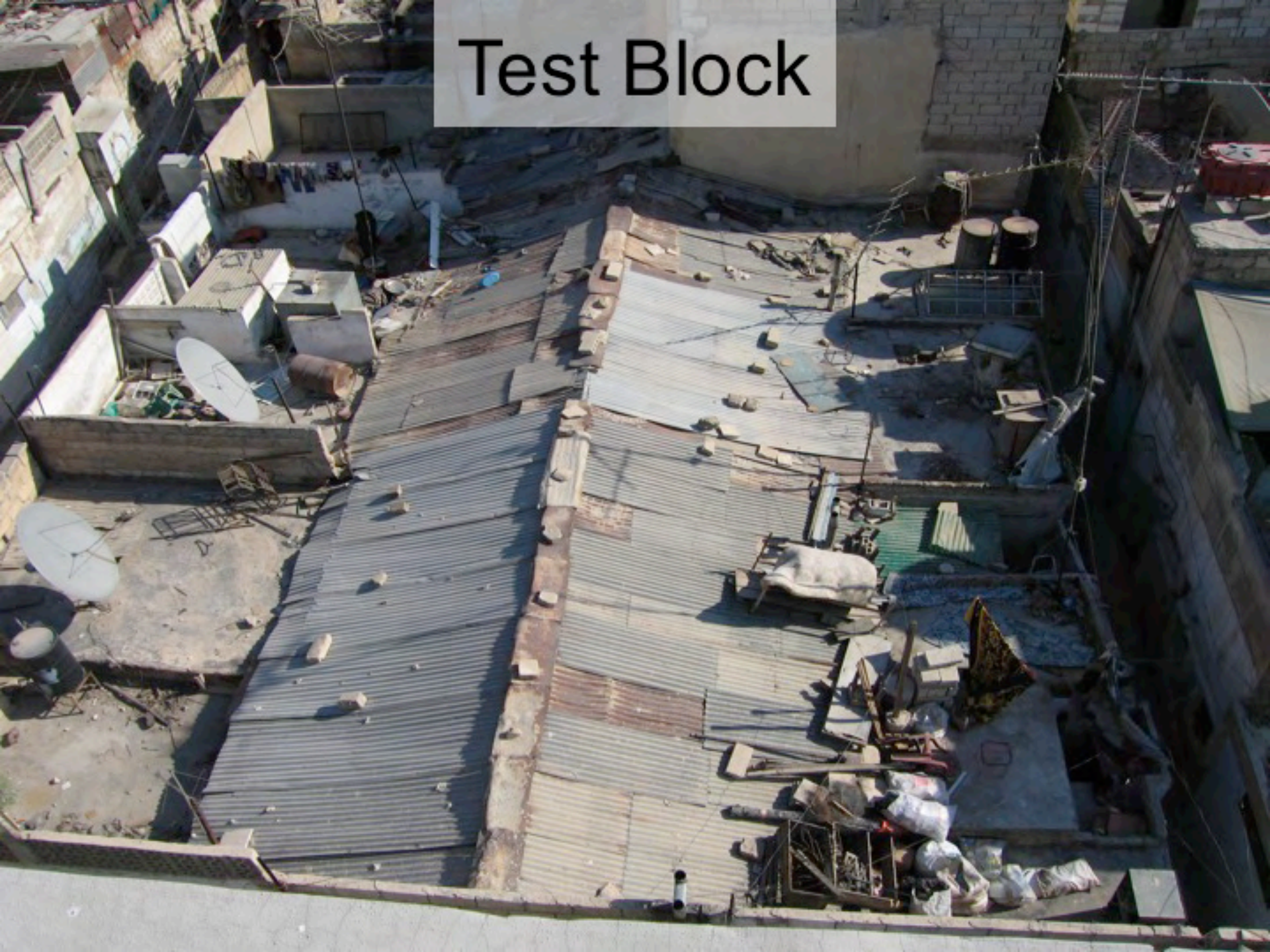
Approach



Block Grid of the Camp



Test Block



Test Block



Test Block



Family Discussions



Joint Family Discussions



Individual Family Interviews

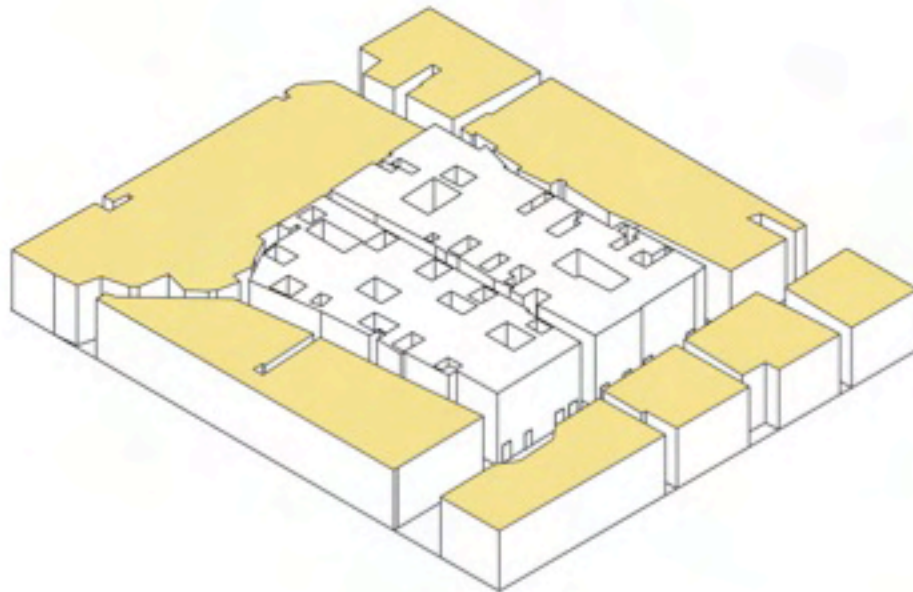
Family Discussions

Simulation of different Options for the Development of the Block



Test Block

Option 1

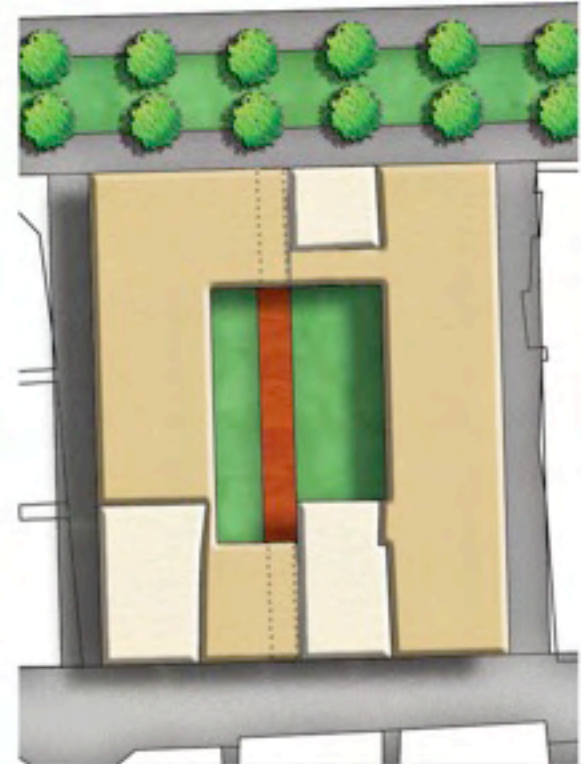
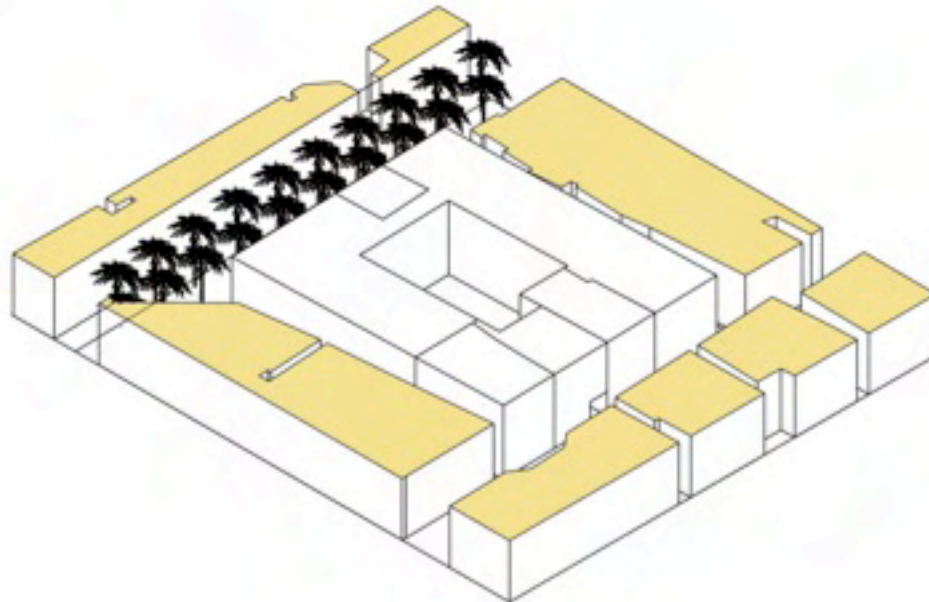


	VARIANT 1
GROSS LIVING SURFACE	2362.65
PUBLIC OUTSIDE SPACE	130
PRIVATE OUTSIDE SPACE	158.3

Individual Family Plots and Future Growth as up to now

Test Block

Option 2

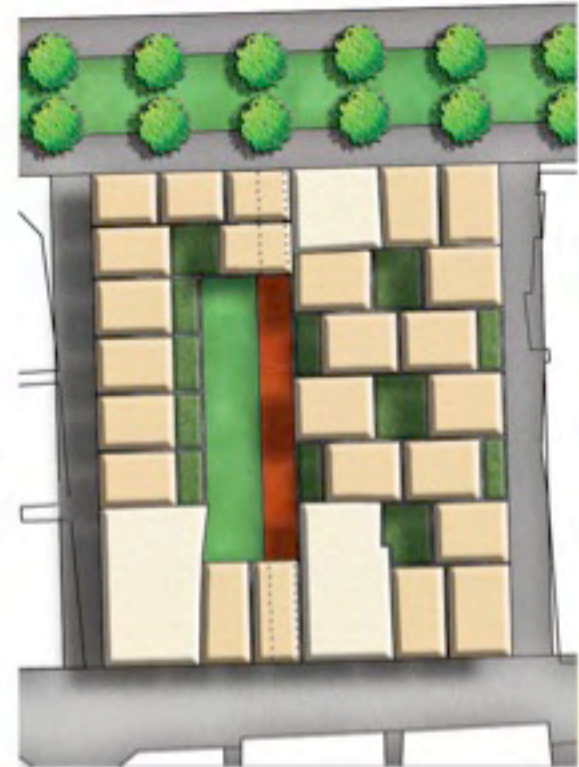
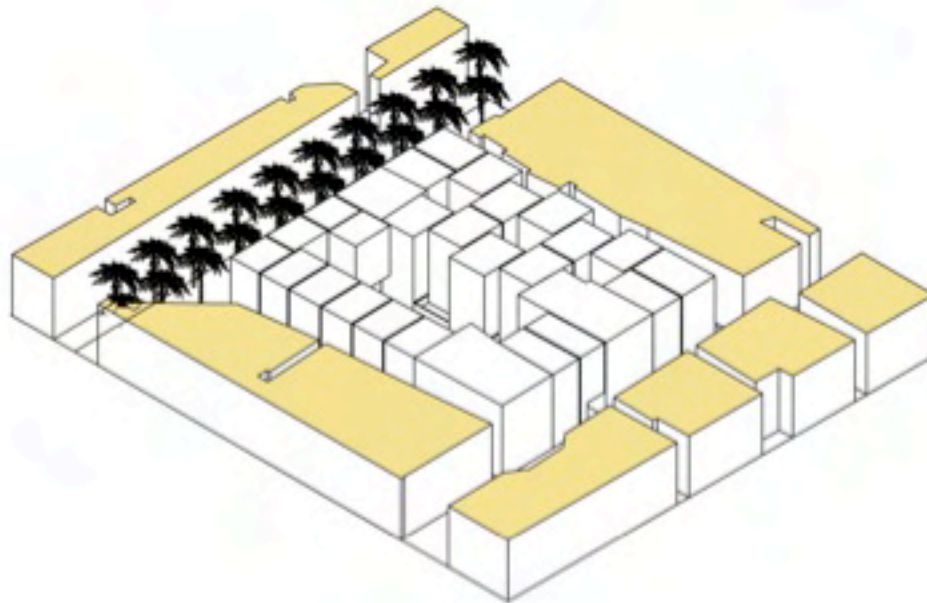


	VARIANT 2
GROSS LIVING SURFACE	2588.25
PUBLIC OUTSIDE SPACE	285.25
PRIVATE OUTSIDE SPACE	

Joint Development + Public Space

Test Block

Option 3

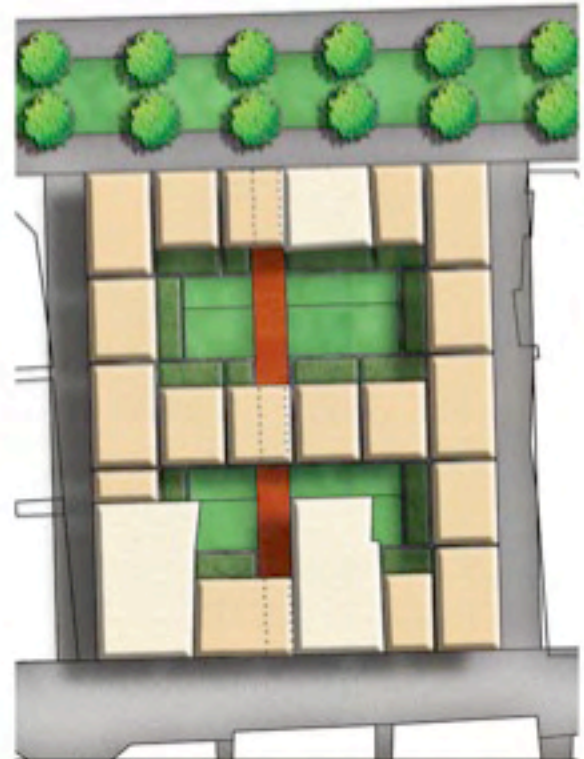
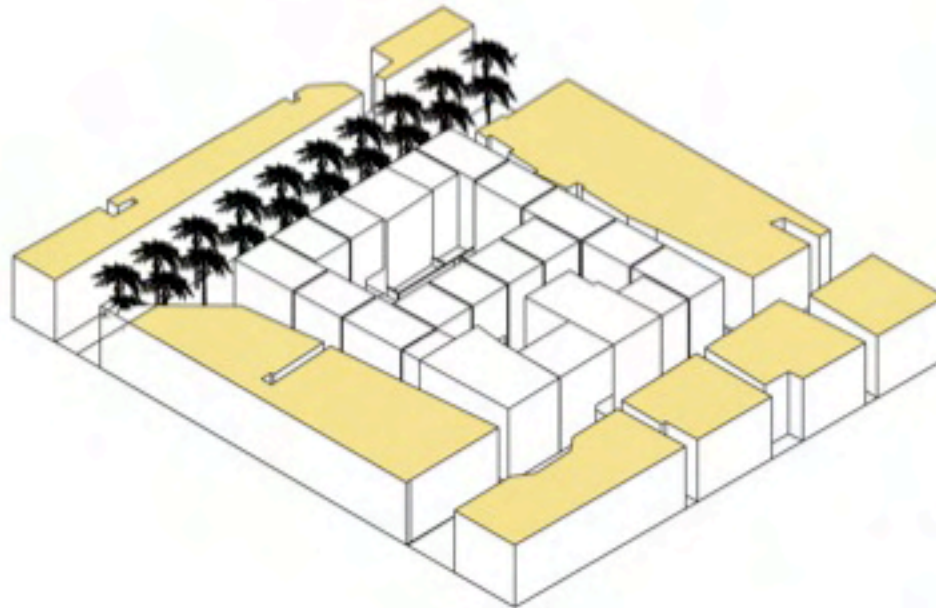


	VARIANT 3
GROSS LIVING SURFACE	2466
PUBLIC OUTSIDE SPACE	191.58
PRIVATE OUTSIDE SPACE	134.44

Organized Family Plots + Public Space

Test Block

Option 4

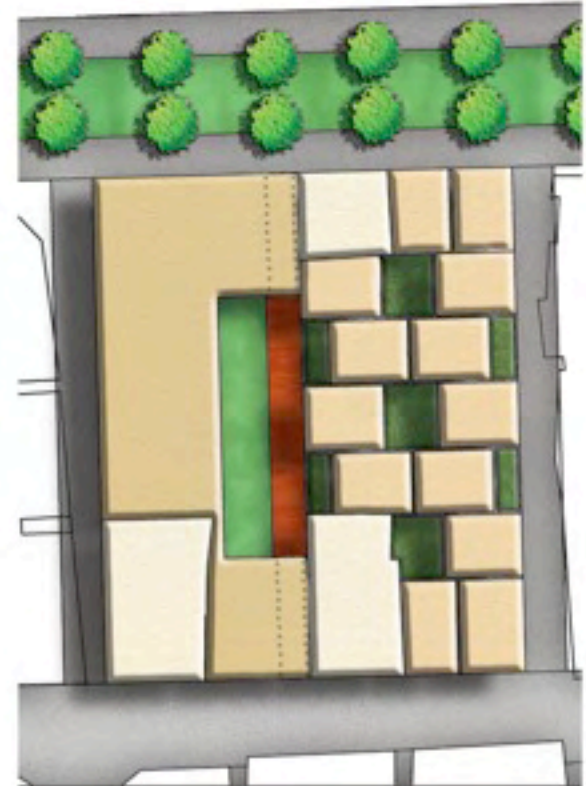
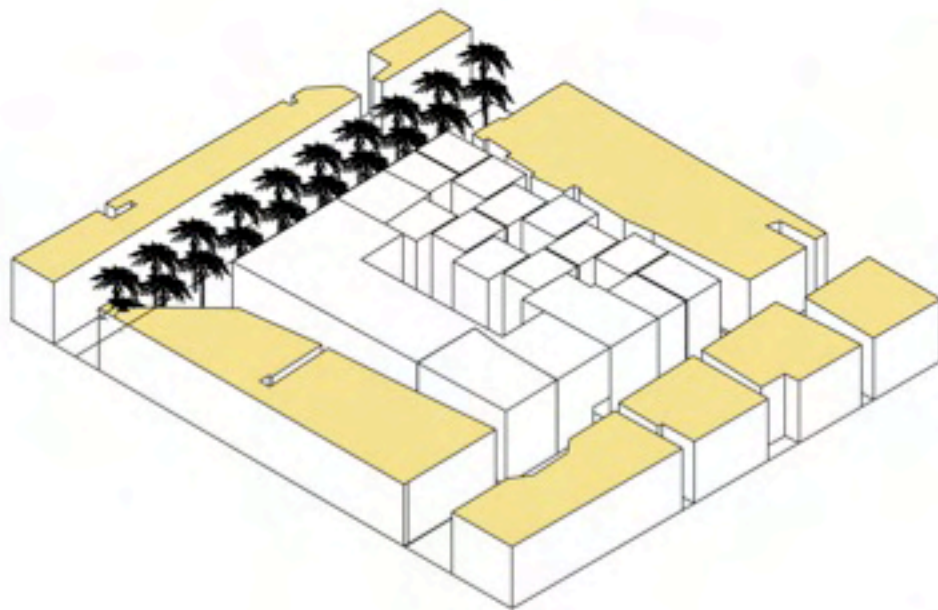


	VARIANT 4
GROSS LIVING SURFACE	2361.36
PUBLIC OUTSIDE SPACE	241.24
PRIVATE OUTSIDE SPACE	119.64

Organised Family/Joint Plots + Public Space

Test Block

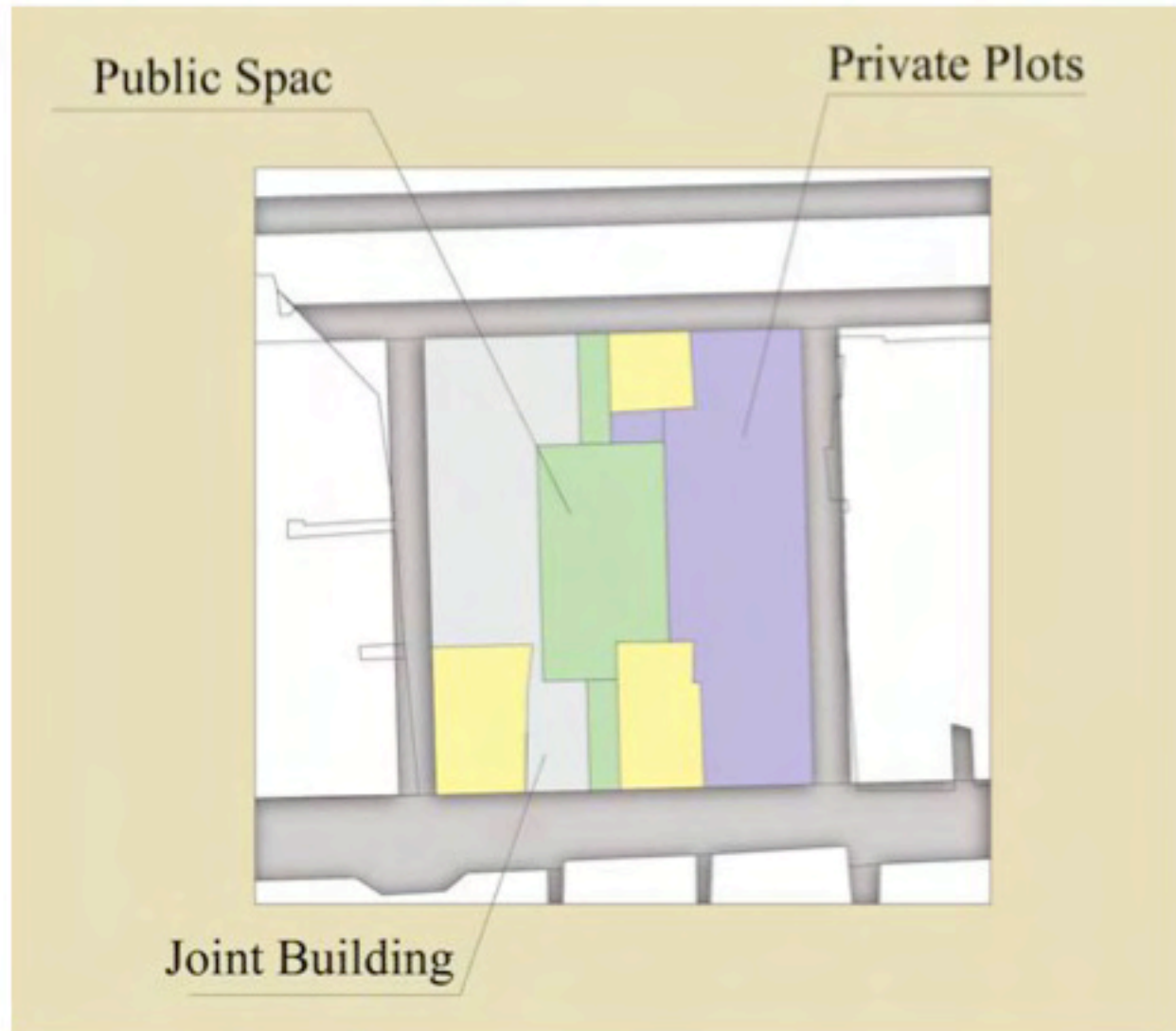
Option 5



	VARIANT 5
GROSS LIVING SURFACE	2682
PUBLIC OUTSIDE SPACE	161.43
PRIVATE OUTSIDE SPACE	92.5

Organised Family Plots + Joint Development + Public Space

Test Block Option 5



Approach



Vertical Extension of Housing Units

Approach

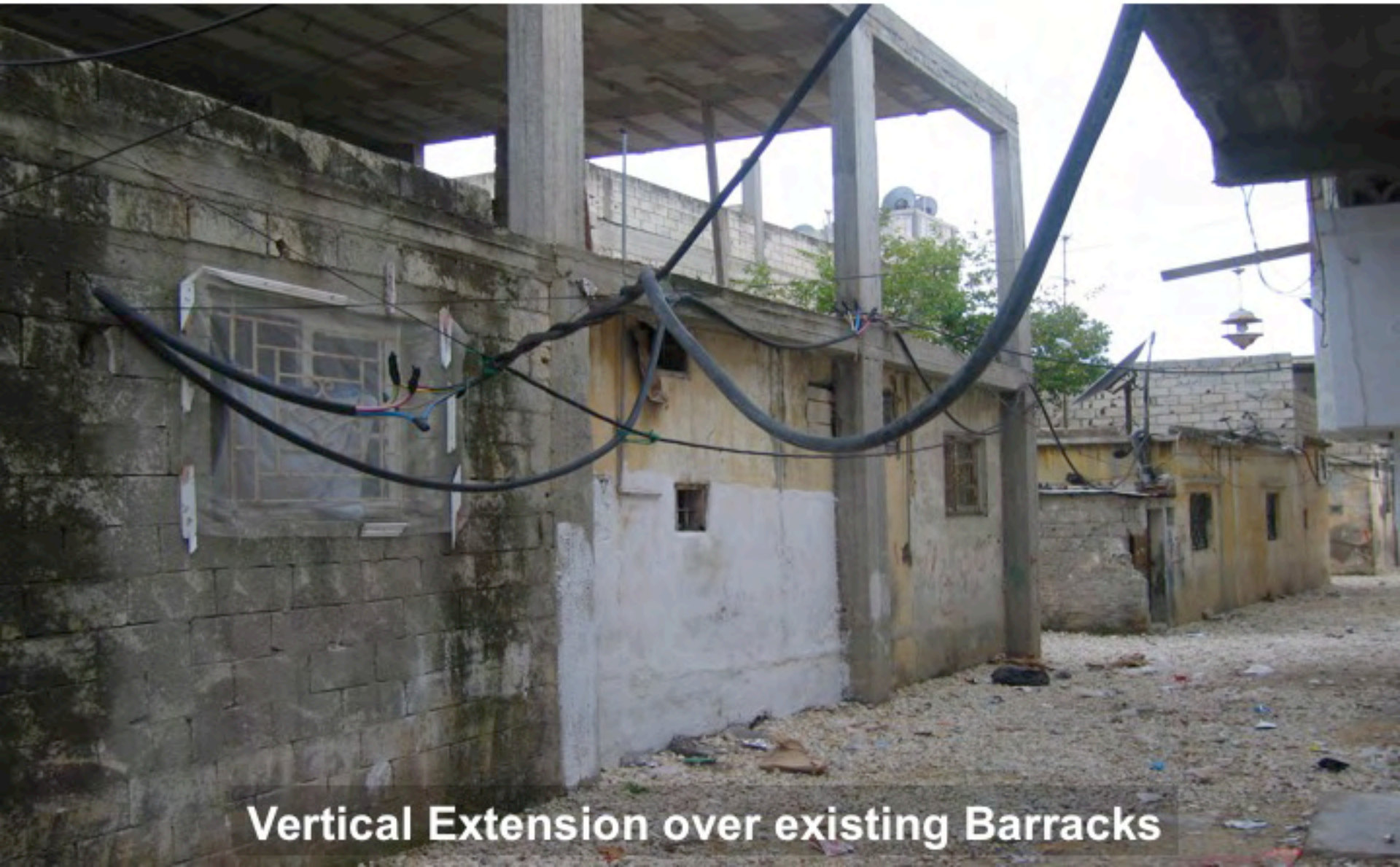


Approach



Rehabilitation of Kitchen and Sanitarian Facilities

Approach



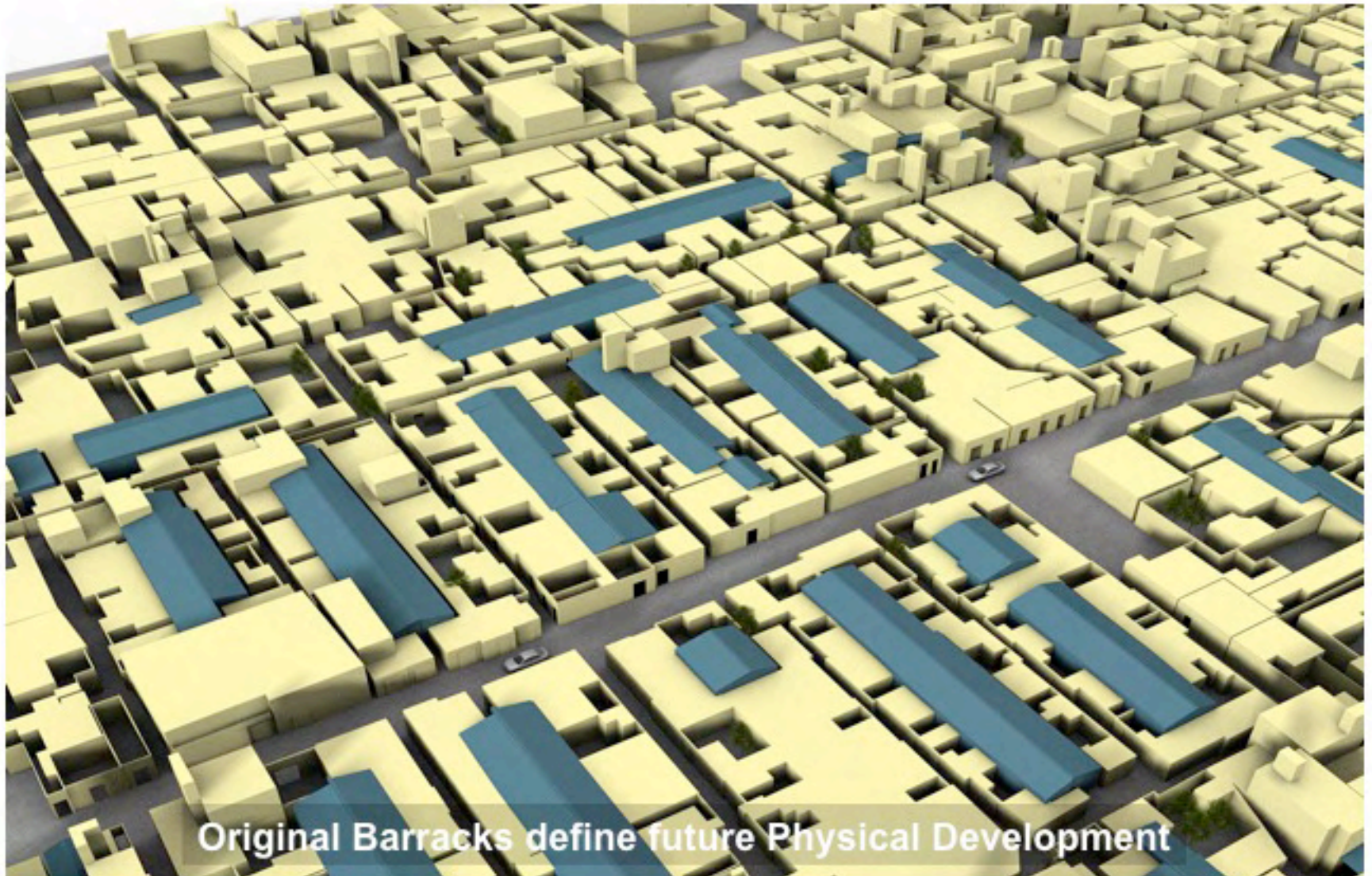
Vertical Extension over existing Barracks

Approach



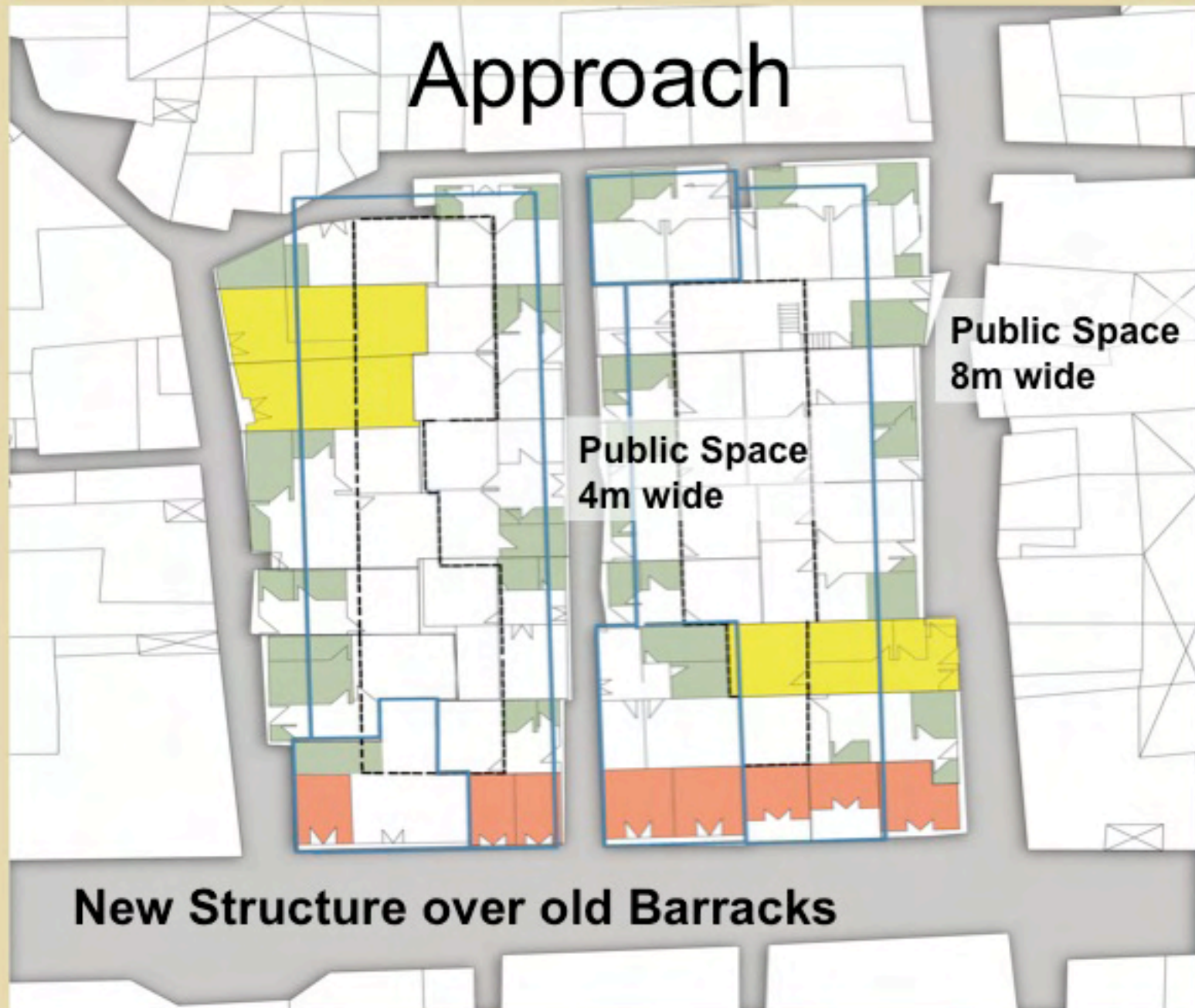
Vertical Extension over existing Barracks

Approach



Original Barracks define future Physical Development

Approach



Sanitary facility



Empty Houses



Shops

Approaches compared

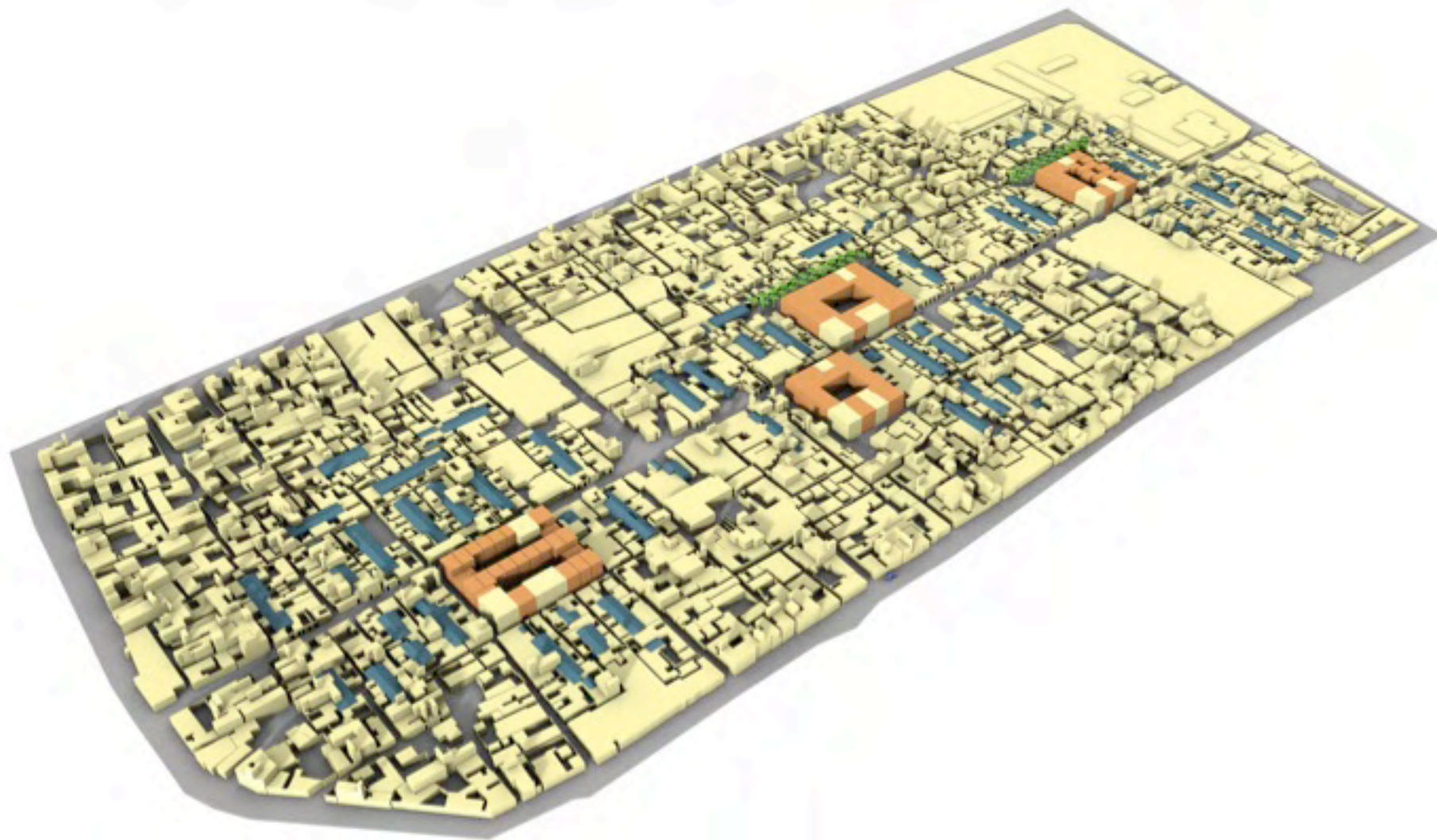


1. Approach

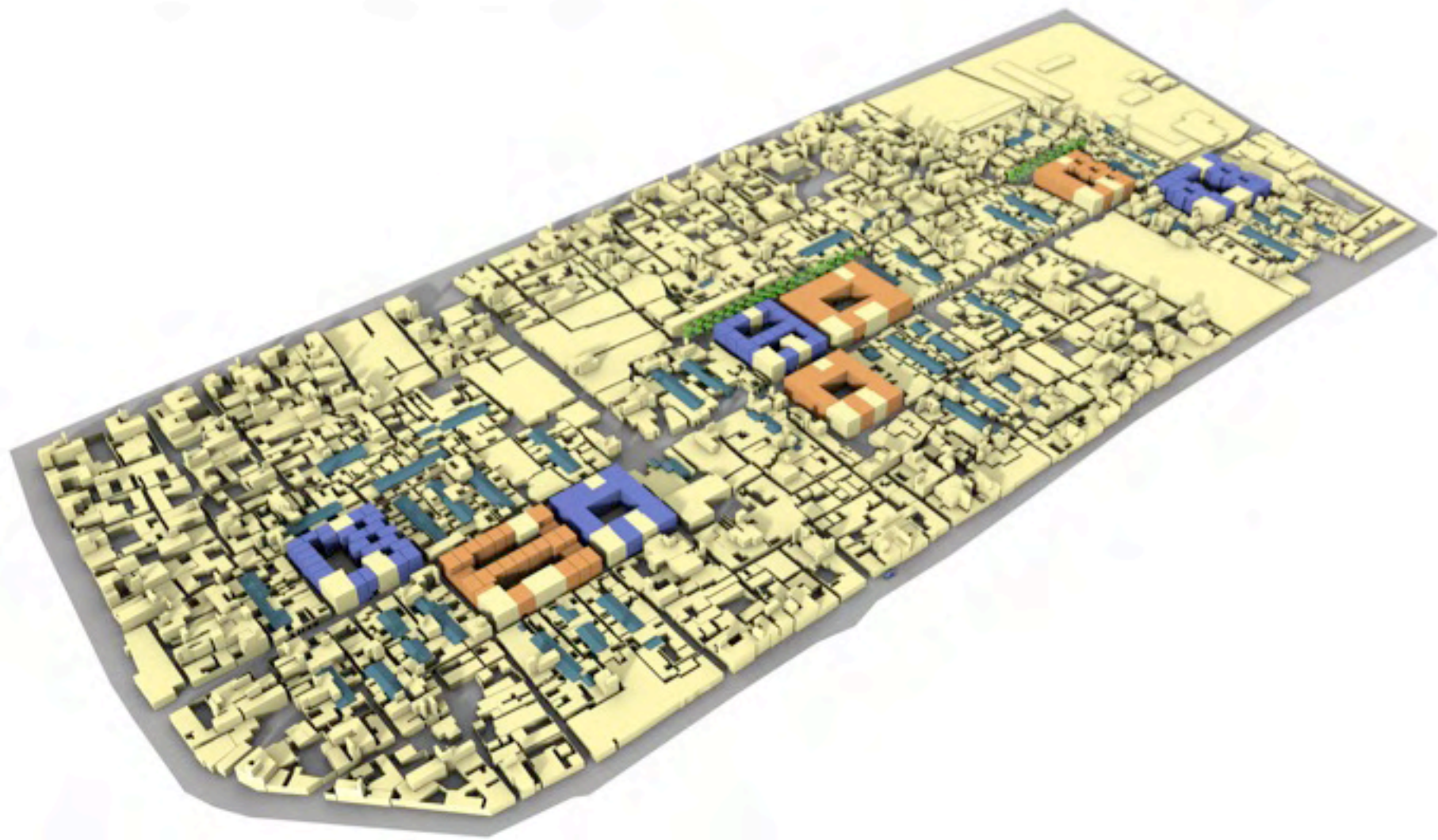
2. Approach

3. Approach

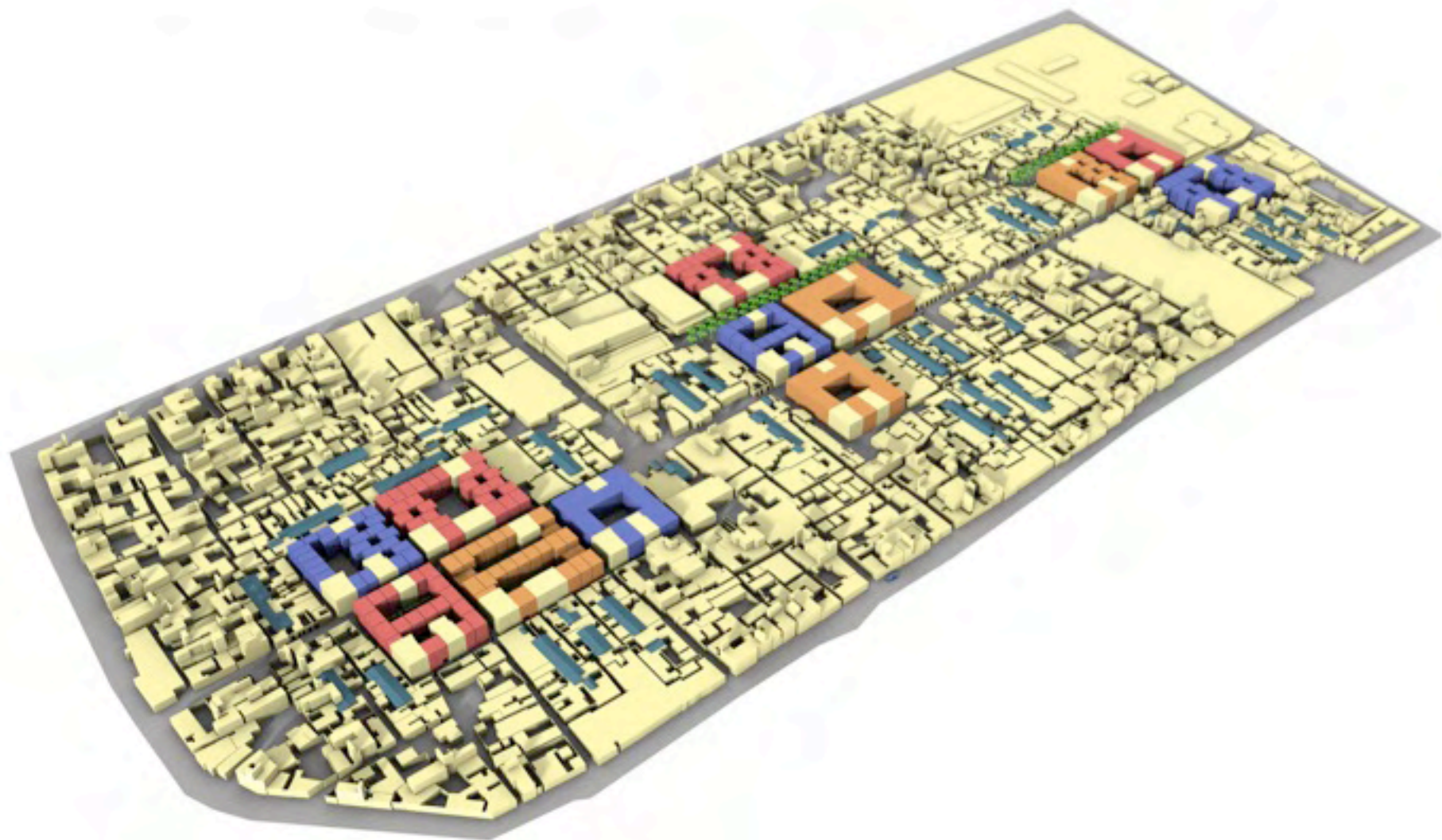
Future Growth of the Camp



Future Growth of the Camp



Future Growth of the Camp



Thank You

