

SUSTAINABLE HOUSING MARKET PLANNING

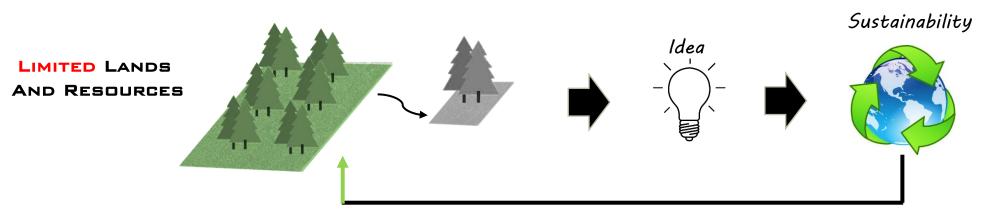
GRADUATION PROJECT

URBAN PLANNING DEPARTMENT

PRESENTED BY
AMIR ABUAISHEH



嵩 NATIONAL PALESTINIAN HOUSING POLICIES



Their Vision: Sustainable human settlements with appropriate housing for all Palestinian families

TARGET GROUP: MIDDLE CLASS

WHERE ?



IN CITIES !! WHY?!

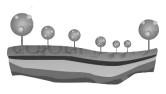


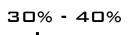






Costs

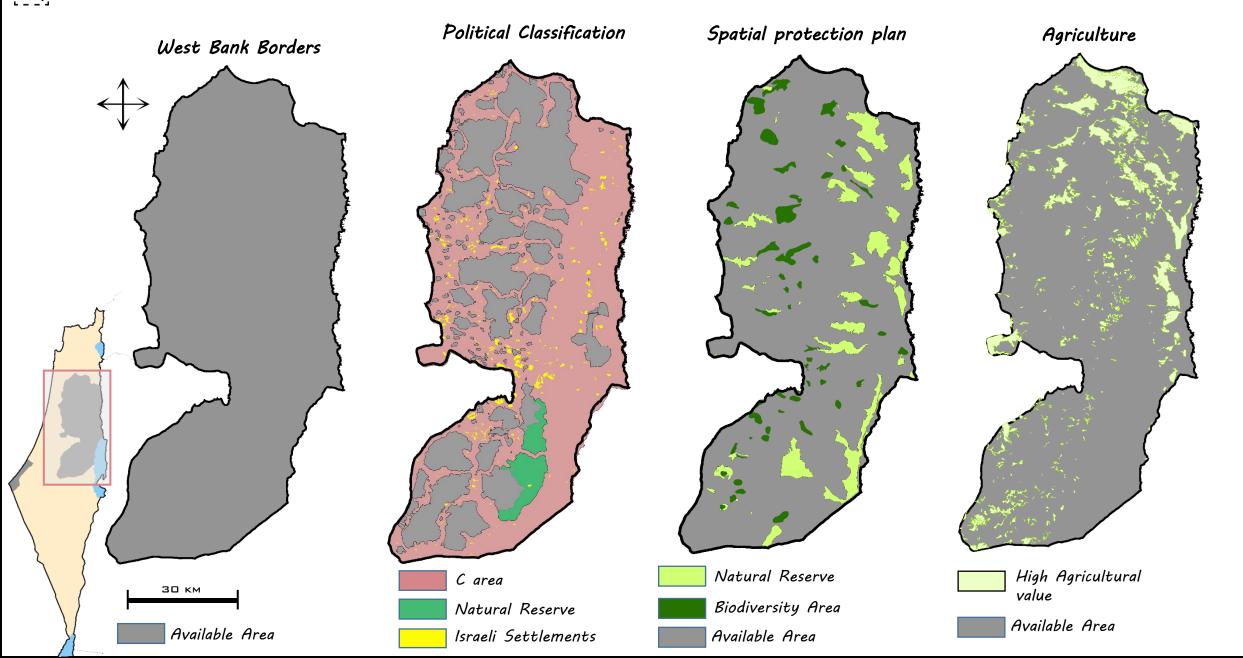




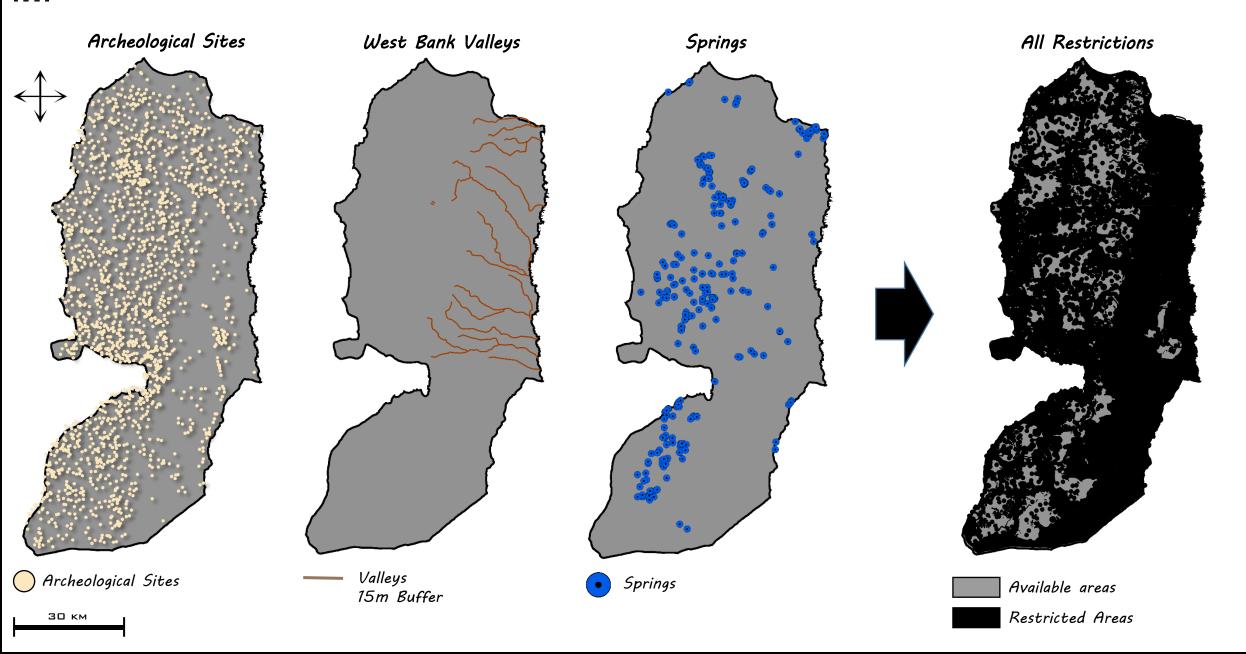


10% - 15%

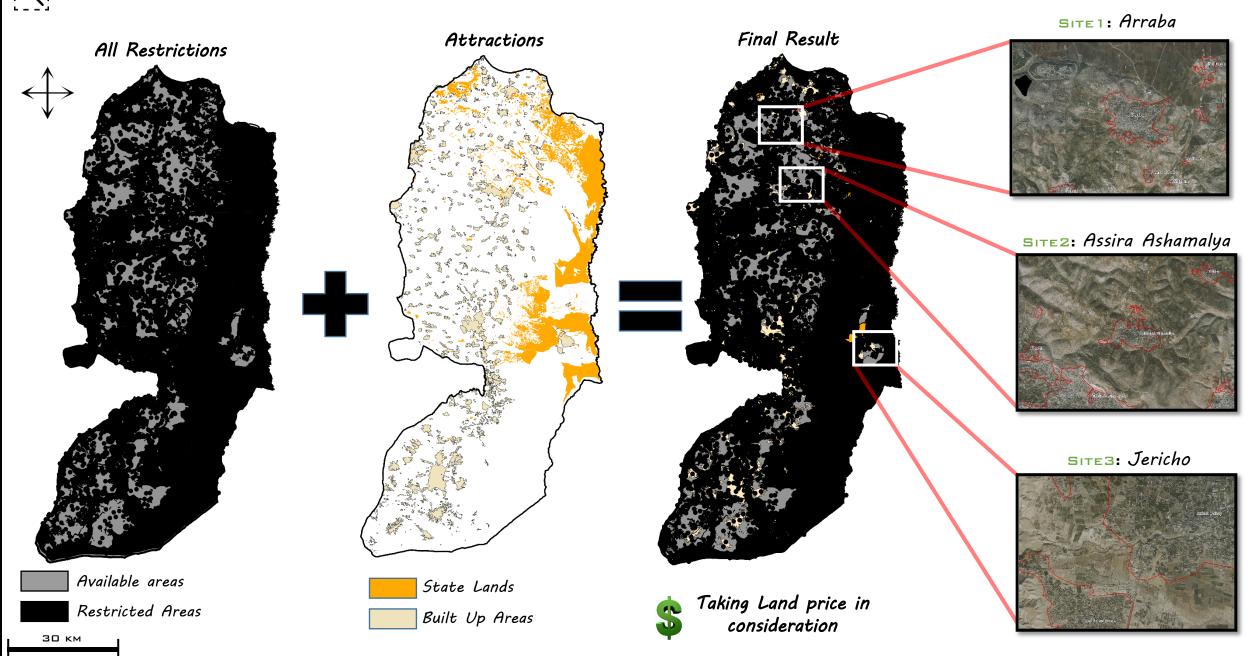
50%



SUSTAINABLE HOUSING MARCHINE QUESTION PROCESS



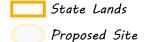
SUSTAINABLE HOUSING AND PROCESS



SUSTAINABLE HOUSING MOSS

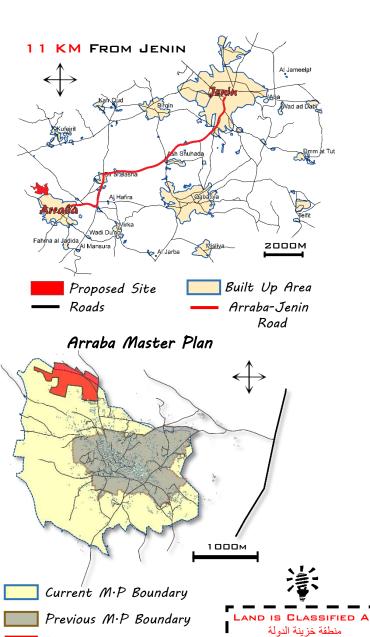
SITE 1: Arraba











STATE LAND

Proposed Site



Criteria	Weight (1-5)	Criteria Value	Rank (1-5)	Total
Slope	3	(25%)	2	6
Transportation	5		2	10
Distance to a main road	3	1·5 km	2	6
Distance to the nearest community	5	100 m	4	20
Distance to services Schools, Health	3	1 Km	3	9
Infrastructure availability	5		3	15
Land price	5	0	5	25
Not damaging Natural resources	4		4	16
Security	4		3	12
Social Acceptance	5		3	15
Tota	1		134	/210

SUSTAINABLE HOUSING SITE SELECTION PROCESS

SITE2: Assira Ashamalya



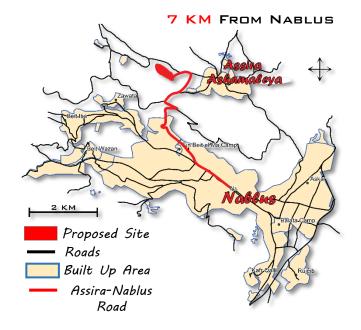
State Lands

Proposed Site

Restricted Area

Built Up Area

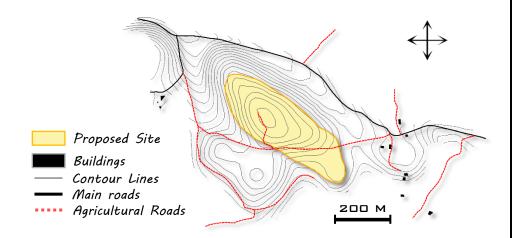






LAND IS CLASSIFIED AS

RESIDENTIAL A





Nearly 158 Donums

Criteria	Weight (1-5)	Criteria Value	Rank (1-5)	Total
Slope	3	12%	4	12
Transportation	5		1	5
Distance to a main road	3	1.7 KM	2	6
Distance to the nearest community	5	1.7 KM	2	10
Distance to services Schools, Health	3	2 KM	1	3
Infrastructure availability	5		2	10
Land price	5	15 JOD/M²	4	20
Not damaging Natural resources	4		4	16
Security	4		4	16
Social Acceptance	5		4	20

Total

118/210

SUSTAINABLE HOUSING SITE SELECTION PROCESS

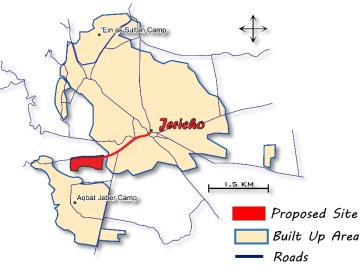
SITE3: Jericho JERICHO

State Lands

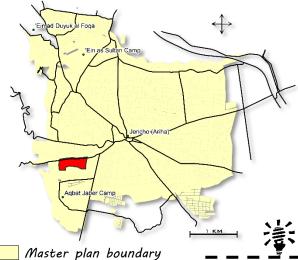
Proposed Site Built Up Area

Restricted Area

1.5 KM FROM CITY CENTER



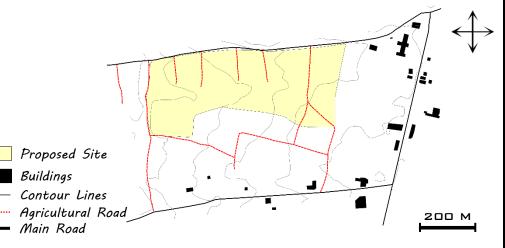
Jericho Master Plan



Proposed Site

LAND IS CLASSIFIED AS

RESIDENTIAL A



Nearly 245 Donums

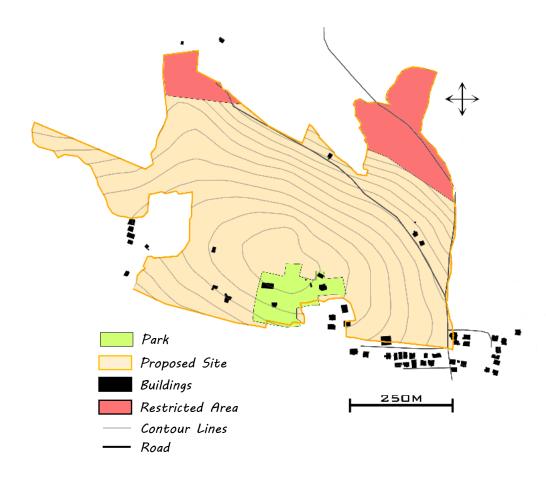
Criteria	Weight (1-5)	Criteria Value	Rank (1-5)	Total
Slope	3	2%	5	15
Transportation	5		3	15
Distance to a main road	3	350 M	4	12
Distance to the nearest community	5	500 M	3	15
Distance to services Schools, Health	3	0·4 - 1 KM	3	9
Infrastructure availability	5		3	15
Land price	5	70 JOD/M²	2	10
Not damaging Natural resources	4		2	8
Security	4		5	20
Social Acceptance	5		1	5
Taka	,		10//	/210

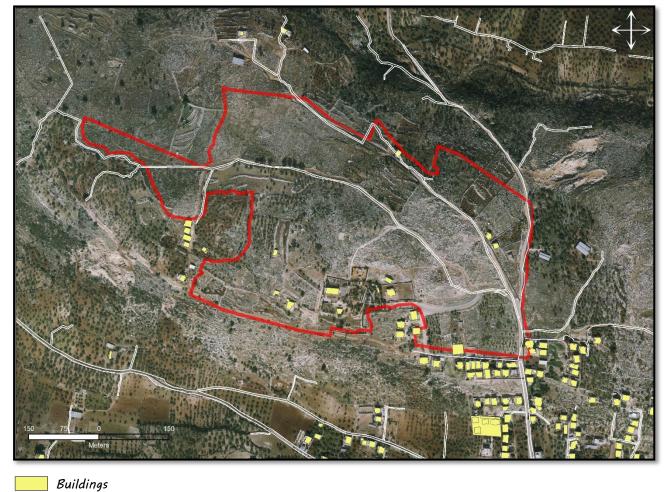
124/210

Proposed Site

SUSTAINABLE HOUSING AND PROPERTY OF THE SELECTION RESULT

SITE1: ARRABA





Land Border

Road

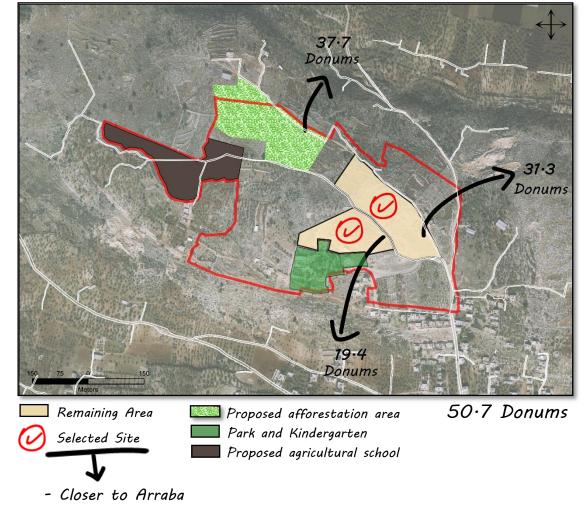
SUSTAINABLE HOUSING AND SELECTION



Buildings 258 Donums

Land Border

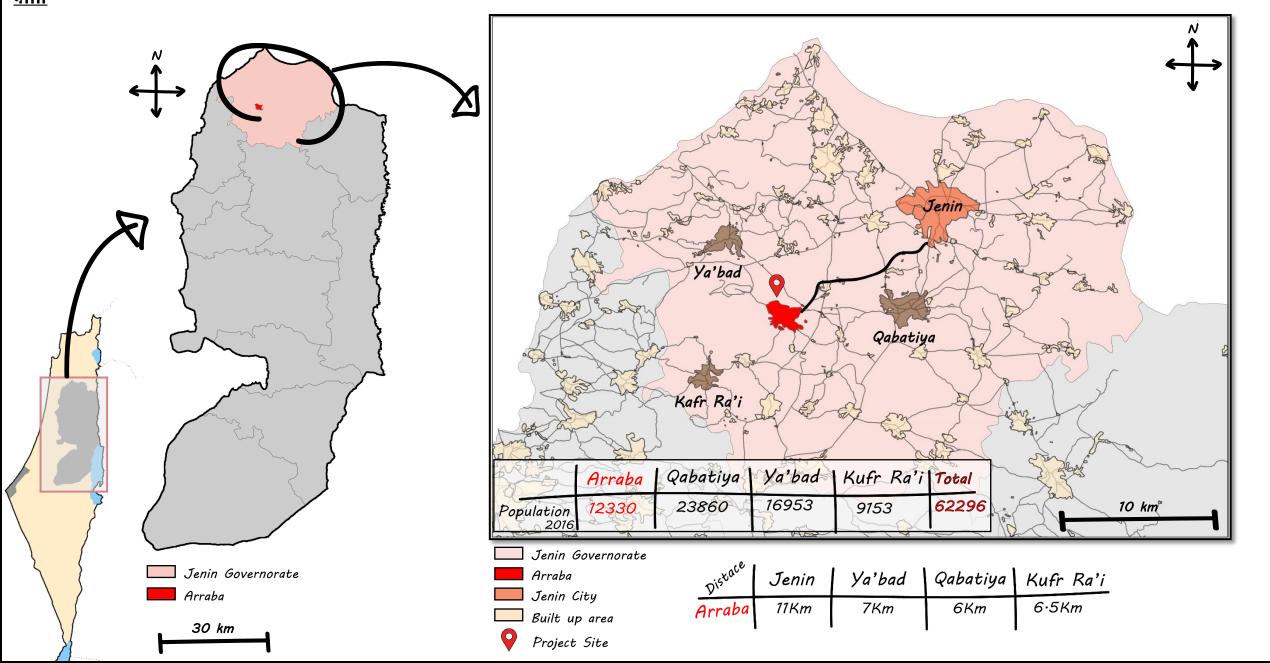
Road



- Larger Area
- The other part is used for planting trees

SUSTAINABLE HOUSING MAZDA

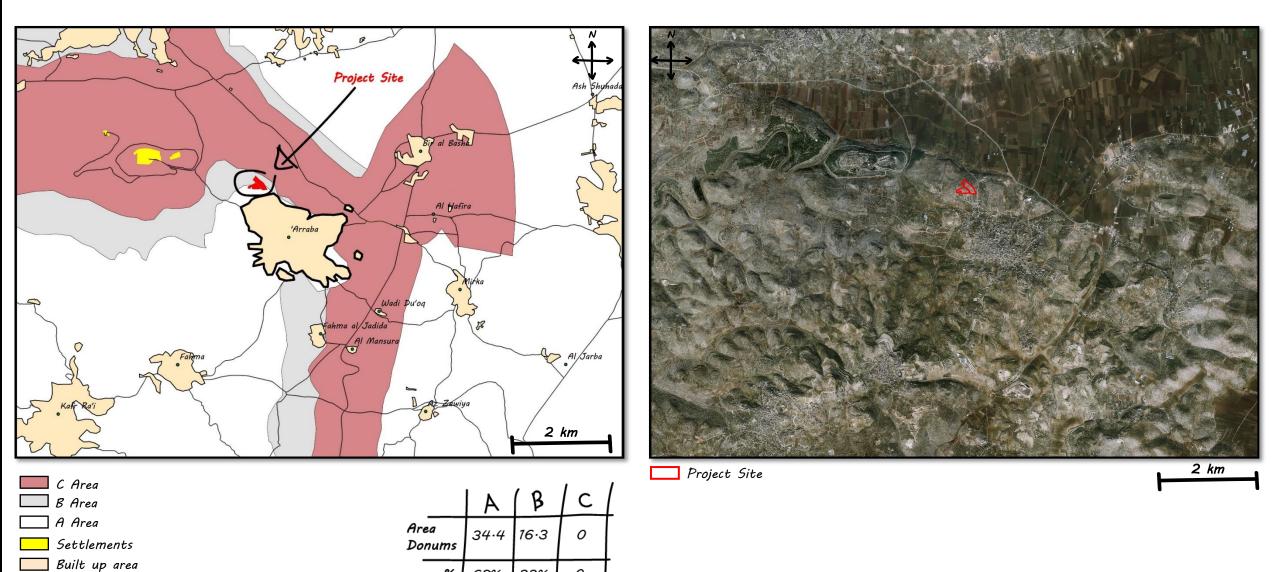
SITE ANALYSIS - REGIONAL SCALE



SUSTAINABLE HOUSING

Project Site

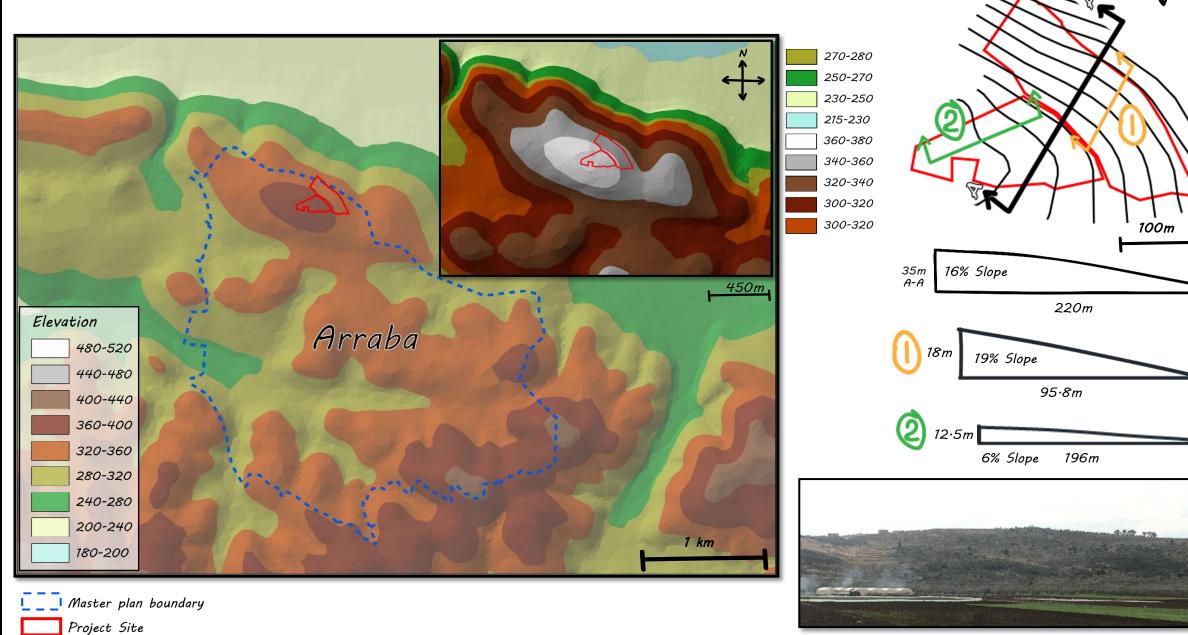
SITE ANALYSIS - POLITICAL CLASSIFICATIONS



68%

32%

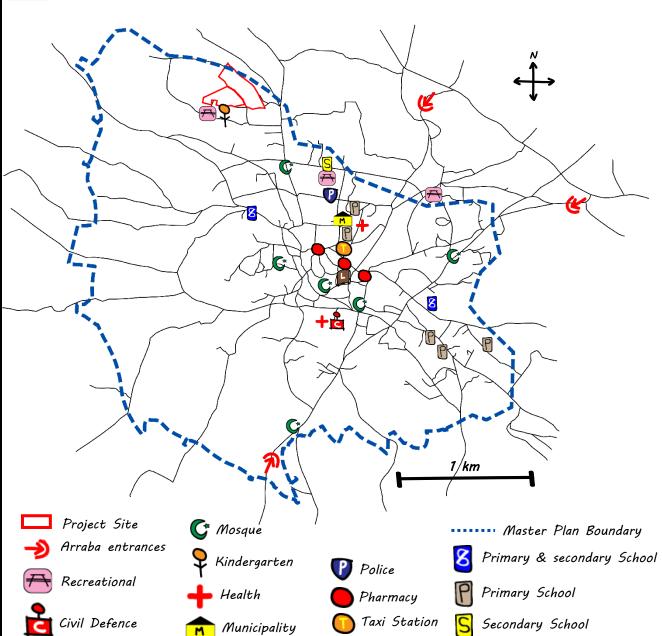
SUSTAINABLE HOUSING MERCHY SITE ANALYSIS - TOPOGRAPHY



Contour Lines

SUSTAINABLE HOUSING AND PROPERTY

SITE ANALYSIS - EXISTING SERVICES











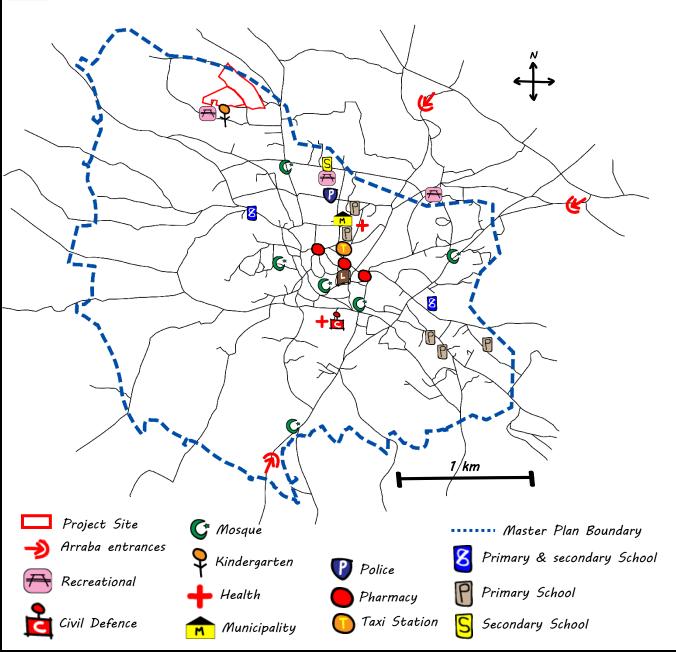


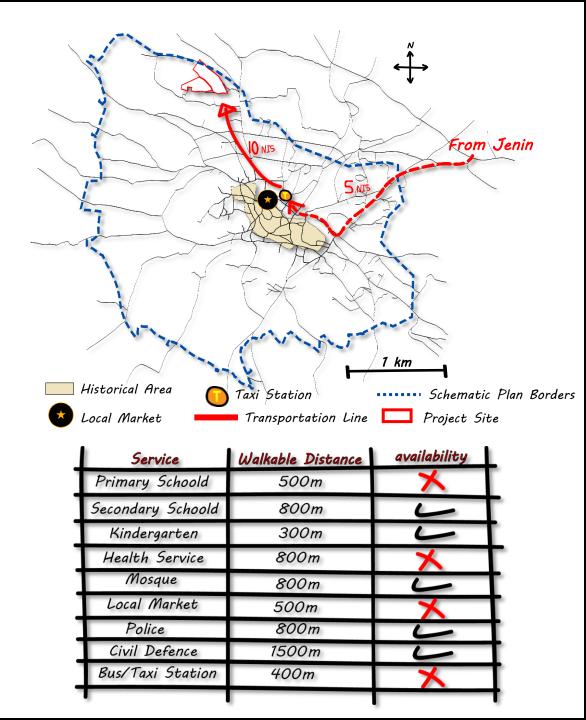




SUSTAINABLE HOUSING MARSHELL

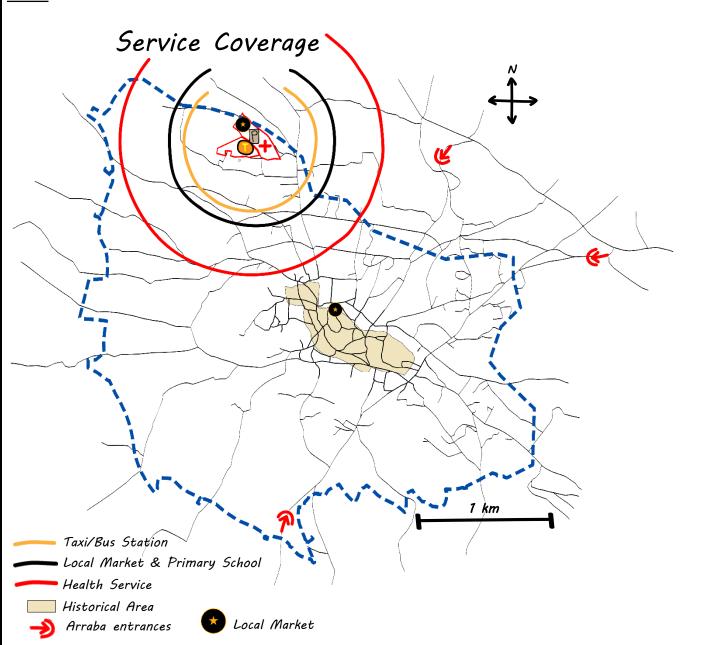
SITE ANALYSIS - EXISTING SERVICES





SUSTAINABLE HOUSING AND PROPERTY

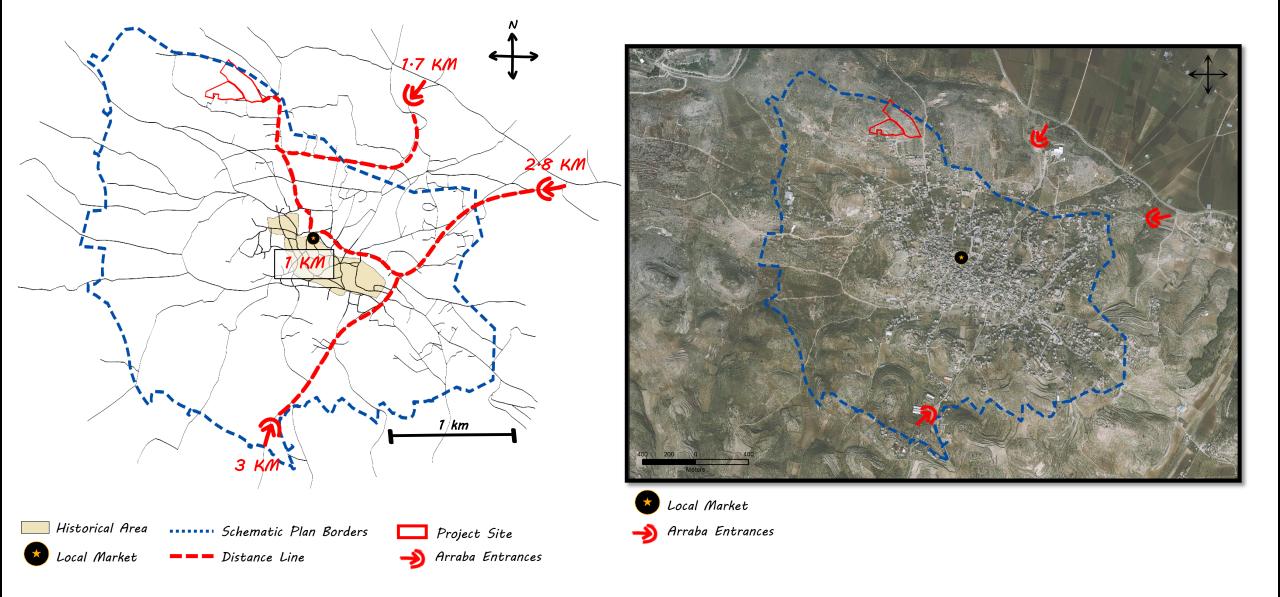
SITE ANALYSIS - PROPOSED SERVICES



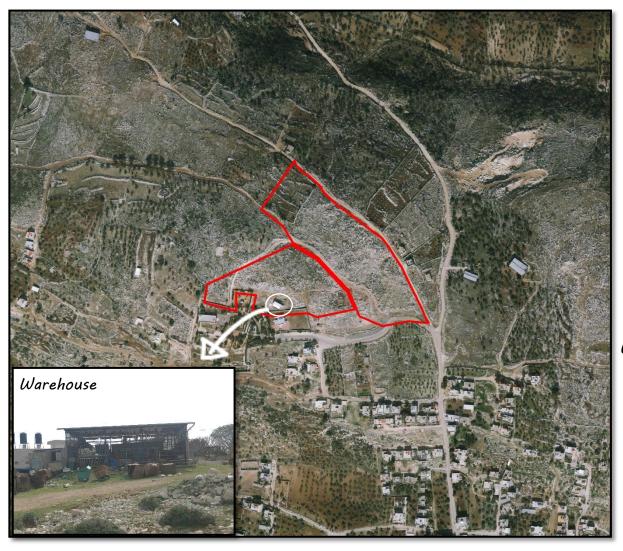
Service	Walkable Distance	availability
Primary Schoold	500m	*
Secondary Schoold	800m	_
Kindergarten	300m	
Health Service	800m	X
Mosque	800m	-
Local Market	500m	X
Police	800m	-
Civil Defence	1500m	
Bus/Taxi Station	400m	X

SUSTAINABLE HOUSING AND PLOT

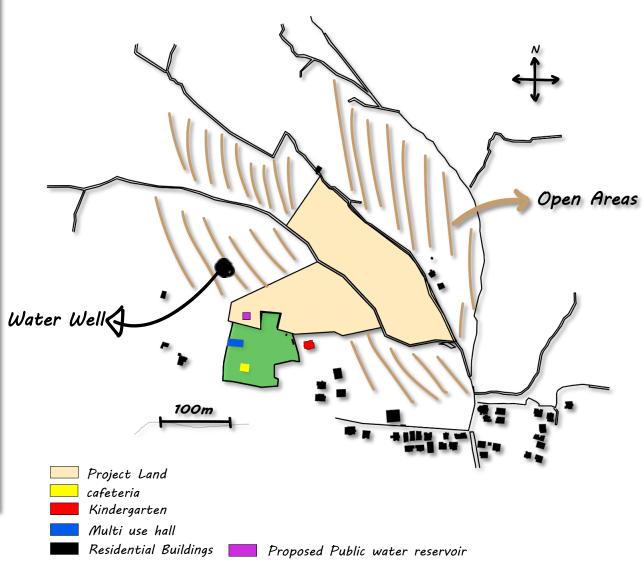
SITE ANALYSIS - ACCESSIBILITY



SITE ANALYSIS - LAND USE AROUND THE SITE

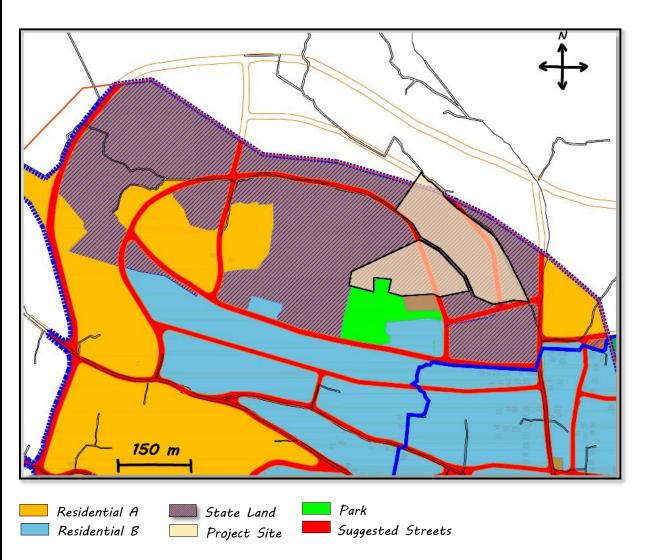


Existing condition



SUSTAINABLE HOUSING ANDREY

SITE ANALYSIS - MASTER PLAN





Project Site

Park Borders

SITE ANALYSIS - ARRABA PARK

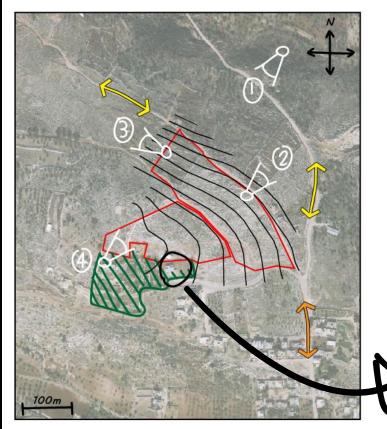




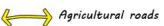


SUSTAINABLE HOUSING MERCH

SITE ANALYSIS - VIEWS













Kindergarten



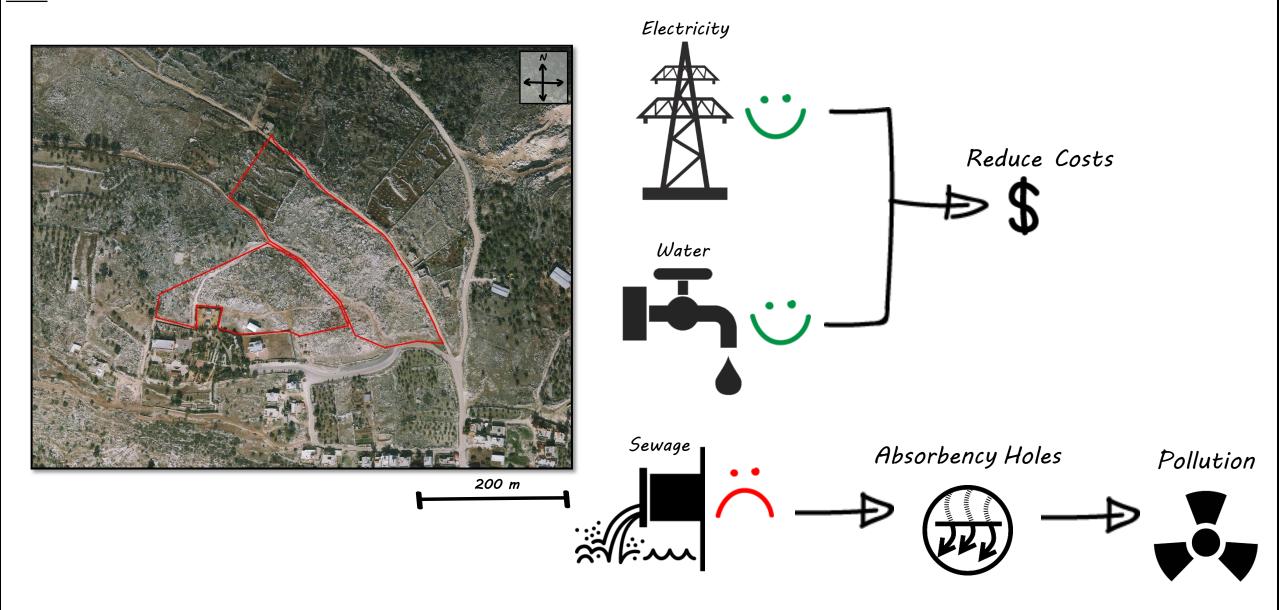






SUSTAINABLE HOUSING MAS PASS

SITE ANALYSIS - INFRASTRUCTURE



SUSTAINABLE HOUSING MERCH

SITE ANALYSIS - NATURAL VEGETATION











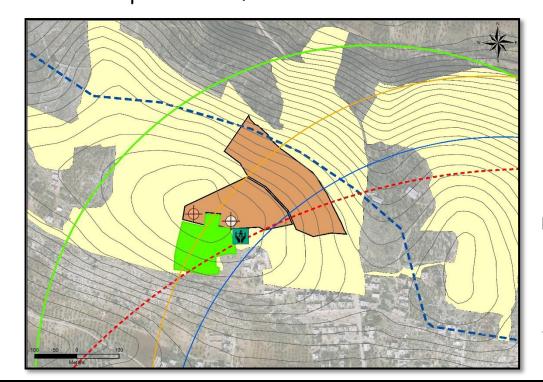


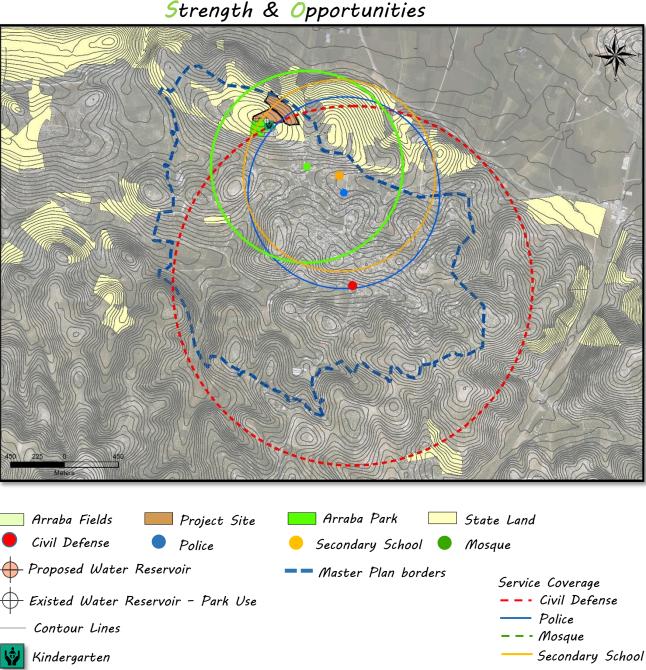


SUSTAINABLE HOUSING

SITE ANALYSIS - S.W.O.T

Opportunities 5trength Weakness Threats No Public Adjacent to Slope Sufficient Area Transportation Public Park State Land Land Shape Close to C Area Beautiful Spectacle Not Biodiversity Land No Walkable Accessible From Priamry School Adjacent to Not High Agricultural Value one Road Kindergarten No Walkable Existence of Water Reservoir Local Market Electresity (For Park Use) Availability No Walkable Proposed Water Reservoir Water Availability Health Service (For Public Use) Existence of Many No Sewage Location on the Top of a Hill Services in Arraba Network Covered by The Master Plan Good Wind and Sun Exposure

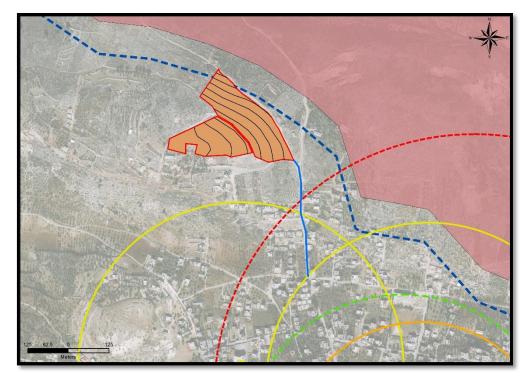




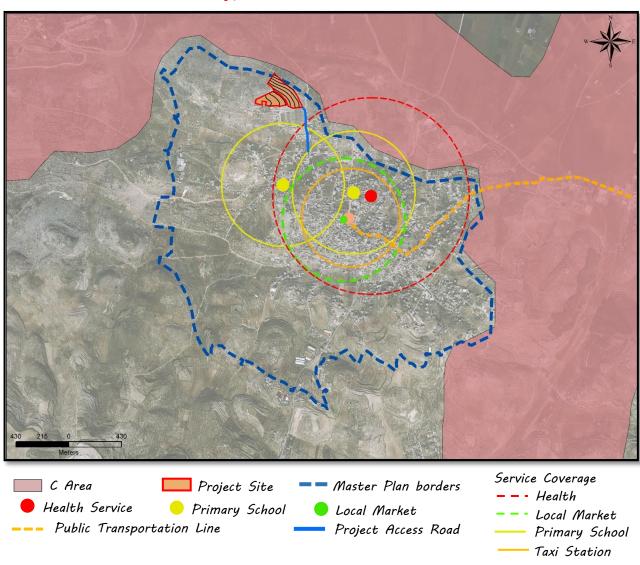
SUSTAINABLE HOUSING MARSH

SITE ANALYSIS - S.W.O.T

Opportunities **S**trength Weakness Threats No Public Adjacent to Slope Sufficient Area Transportation Public Park Land Shape State Land Close to C Area Beautiful Spectacle No Walkable Not Biodiversity Land Accessible From Priamry School Adjacent to Not High Agricultural Value one Road Kindergarten No Walkable Existence of Water Reservoir Local Market Electresity (For Park Use) Availability No Walkable Proposed Water Reservoir Water Availability Health Service (For Public Use) Existence of Many No Sewage Location on the Top of a Hill Services in Arraba Network Covered by The Master Plan Good Wind and Sun Exposure

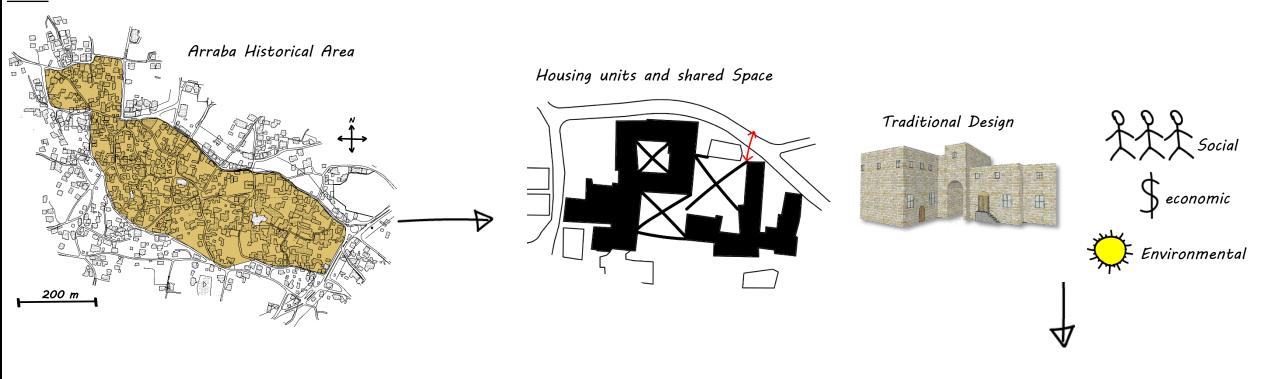


Weakness & Threats

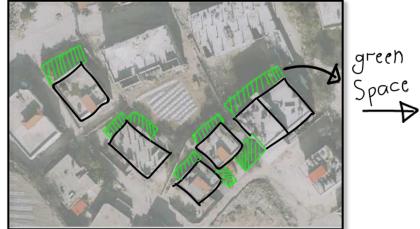


SUSTAINABLE HOUSING MAZ PROT

CONCEPT DEVELOPMENT

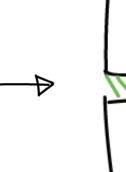


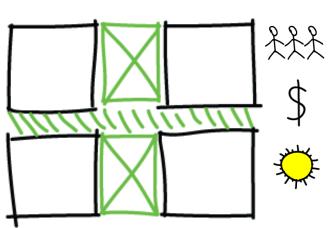
Arraba Houses



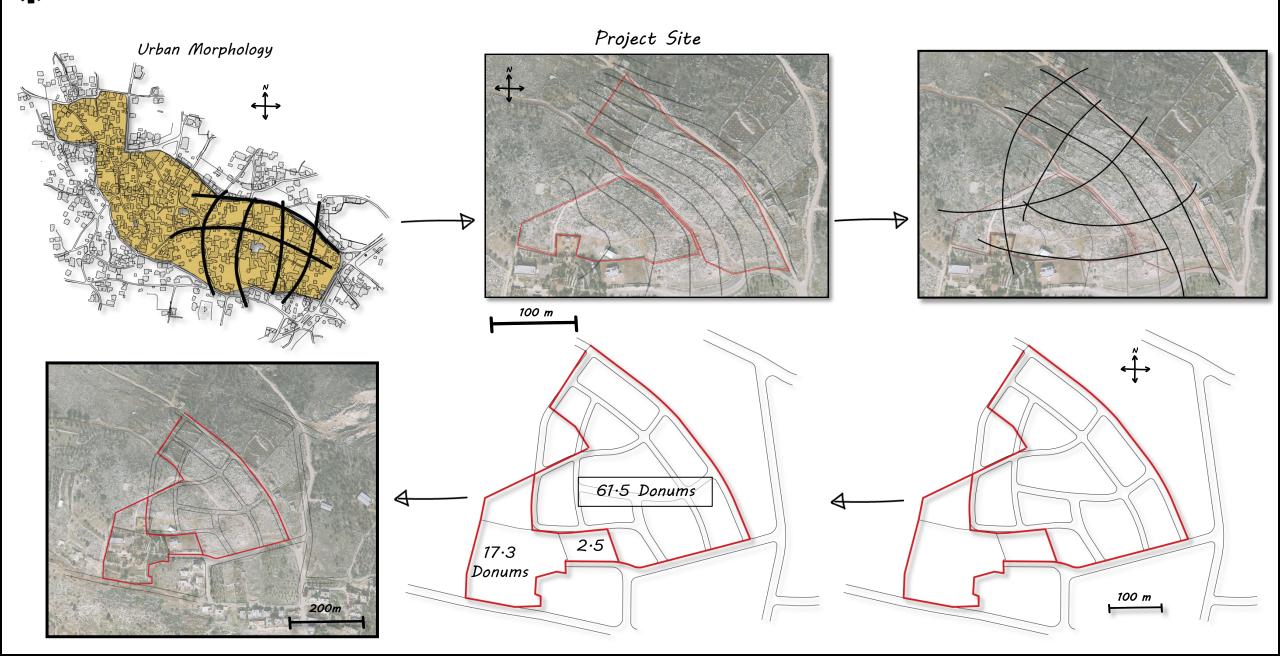
Arraba fields





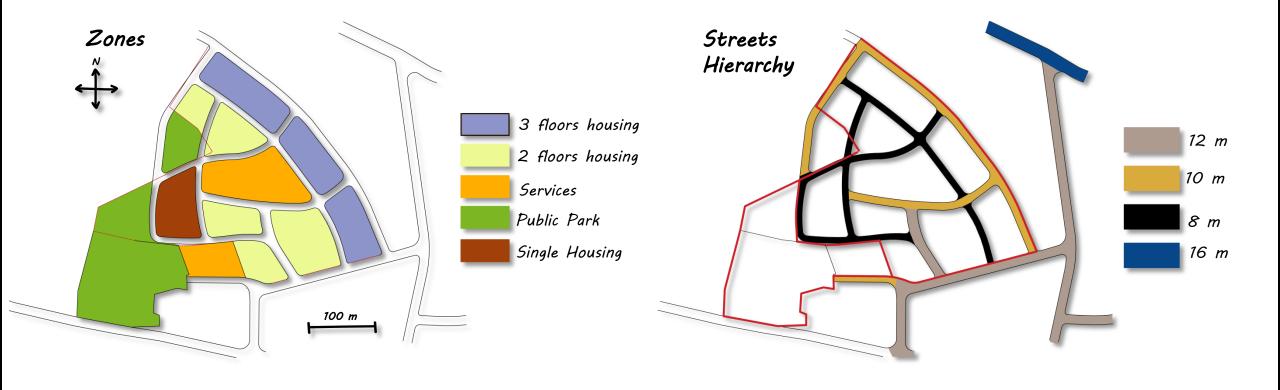


CONCEPT DEVELOPMENT



SUSTAINABLE HOUSING

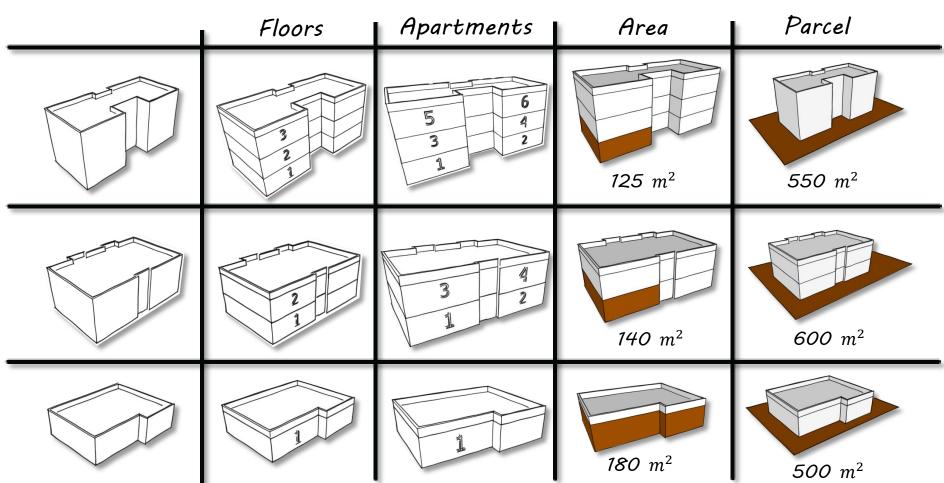
ZONING AND HIERARCHY



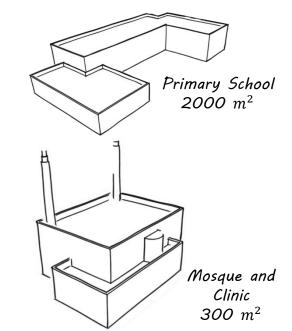
SUSTAINABLE HOUSING MASSACLE

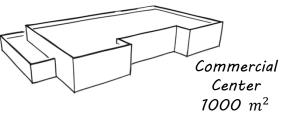
BUILDINGS PROTOTYPES

Housing



Services

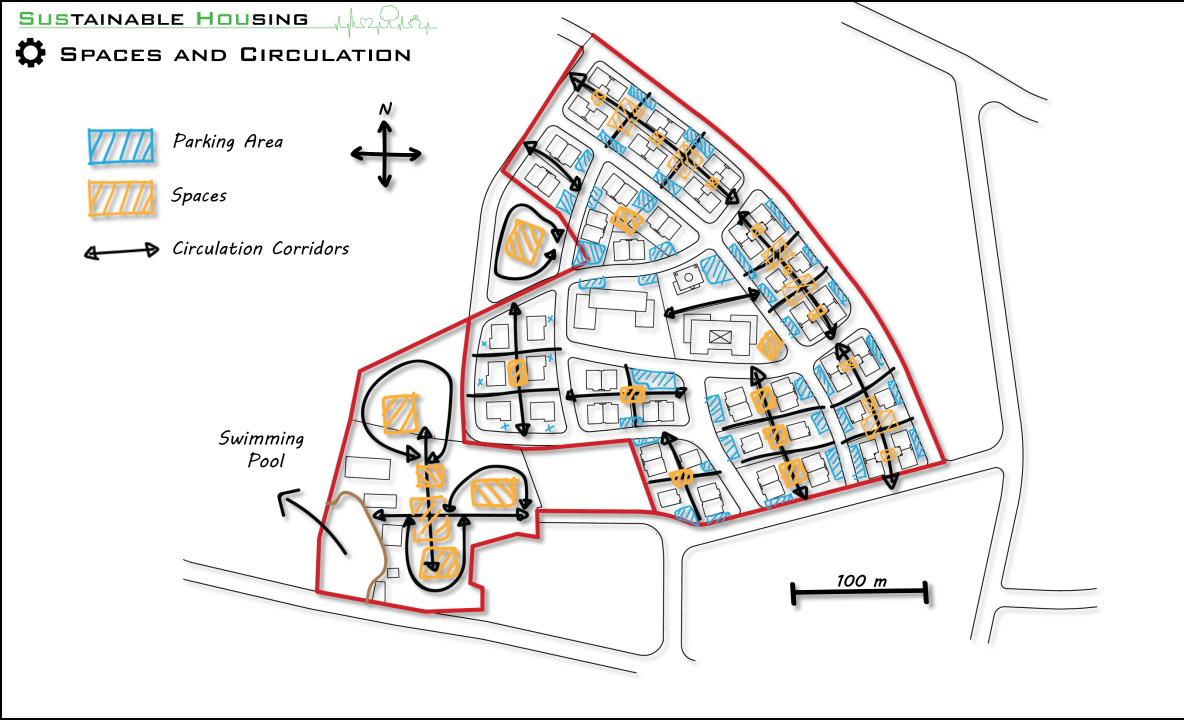


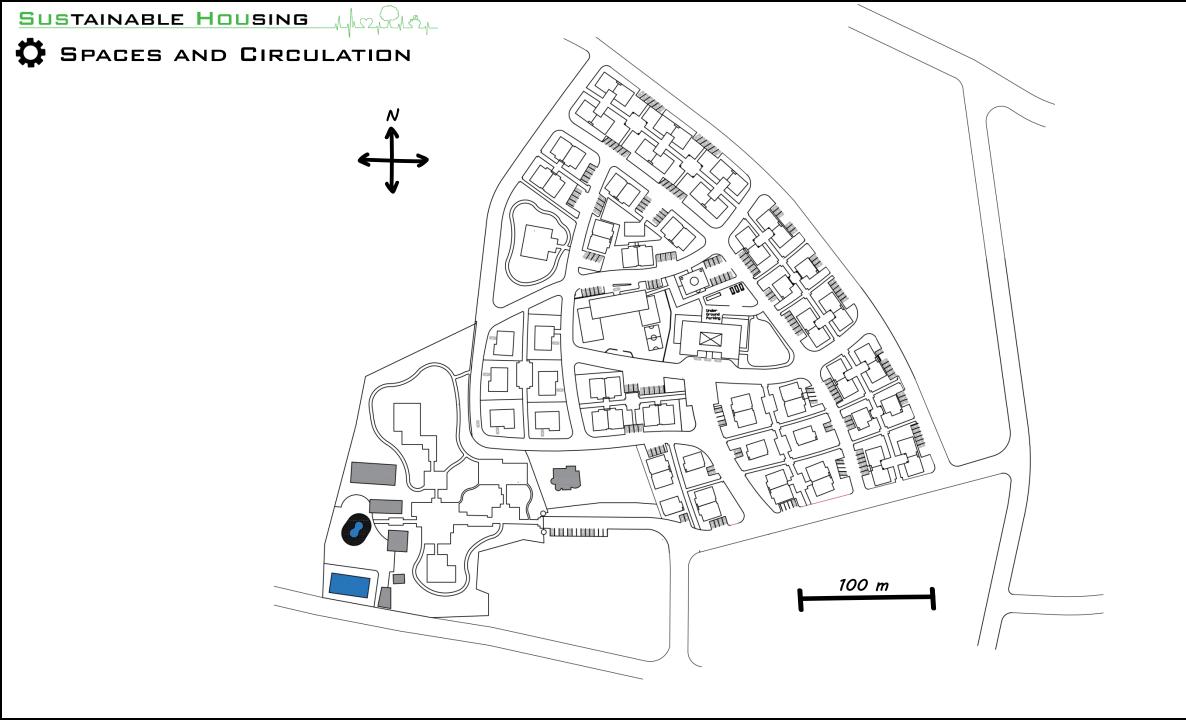




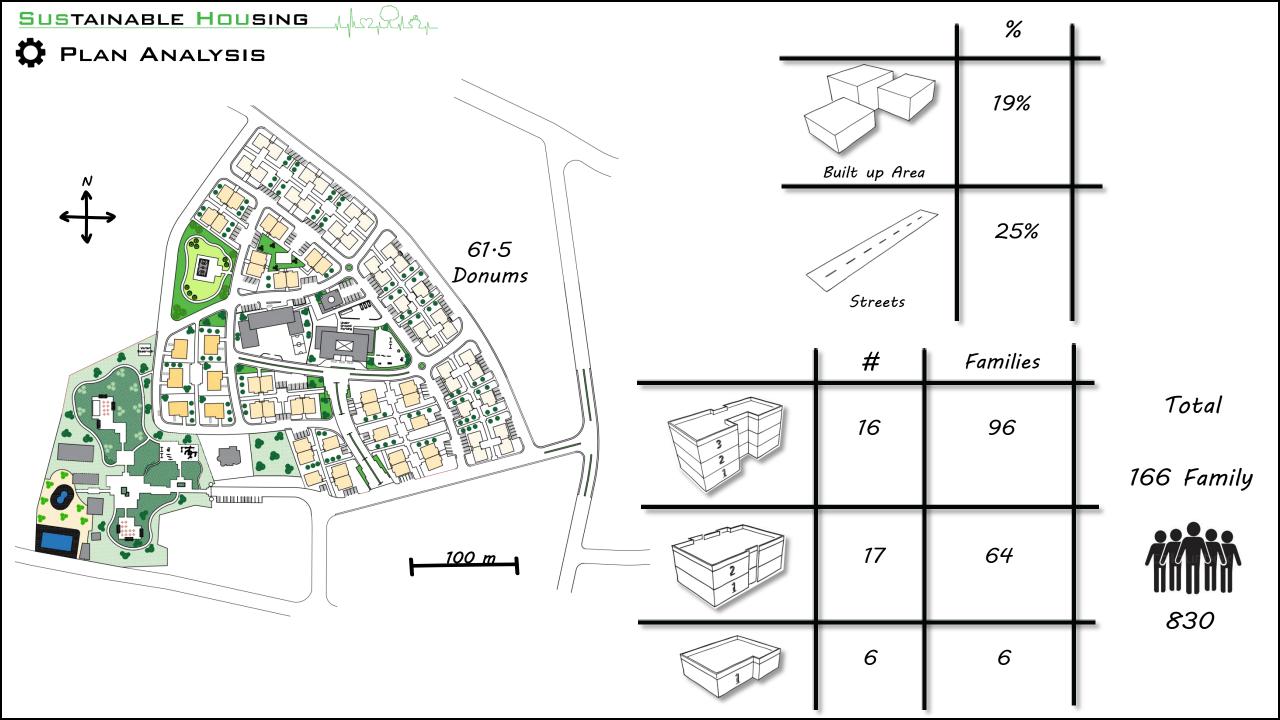
Bus Station $300 m^2$







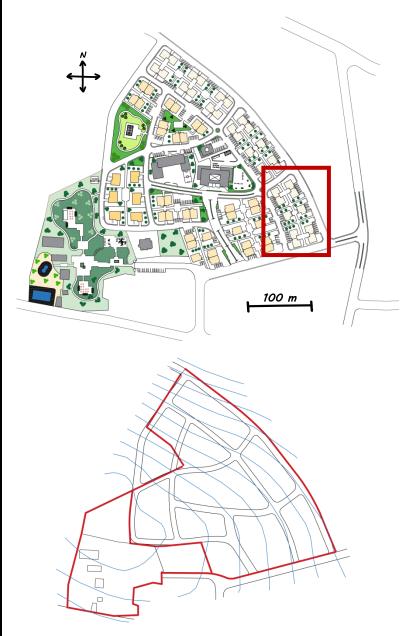


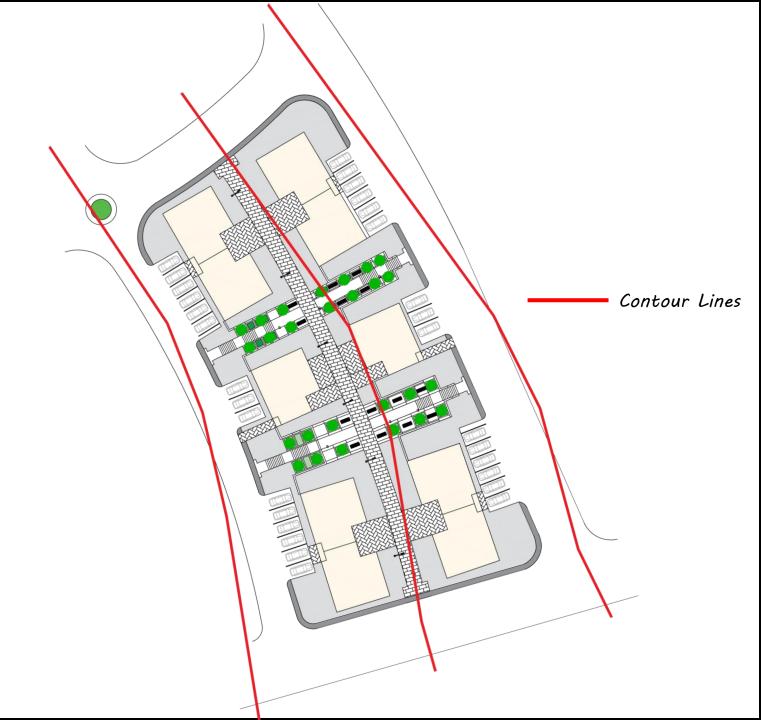


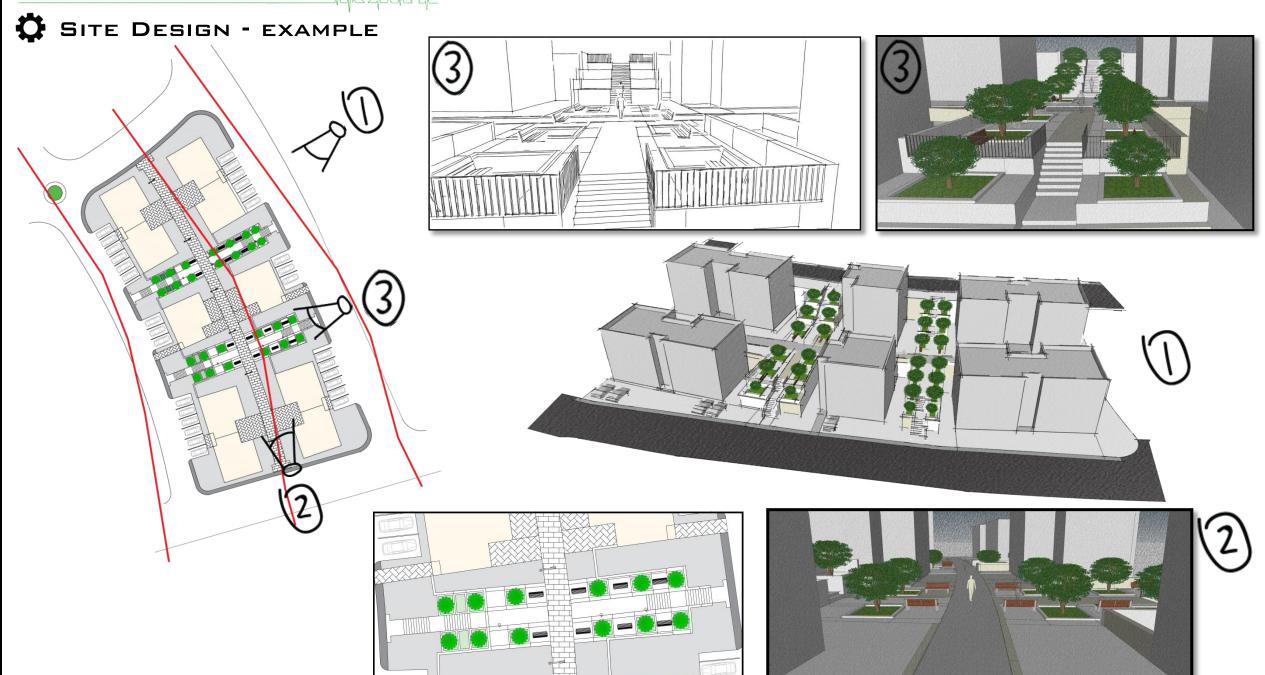




SITE DESIGN - EXAMPLE

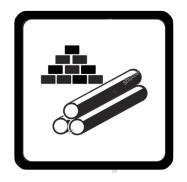






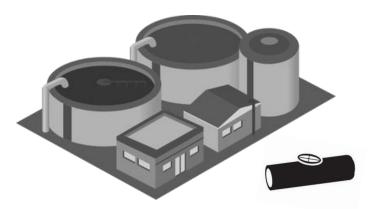
SUSTAINABLE HOUSING MAZ PARL

SUSTAINABLE DESIGN PROPOSALS



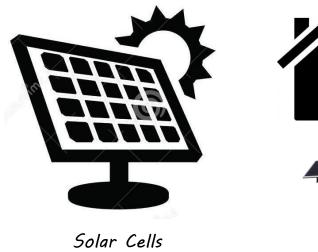
Local Construction Materials





Treatment Plant And Sewage System









Open Spaces



Walkability



Playing Areas



