

**Omur Damla KURU**



**BACHELOR - City and Regional Planning**

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# Urban Historic Preservation Project

## Damlacik District Conservation Project

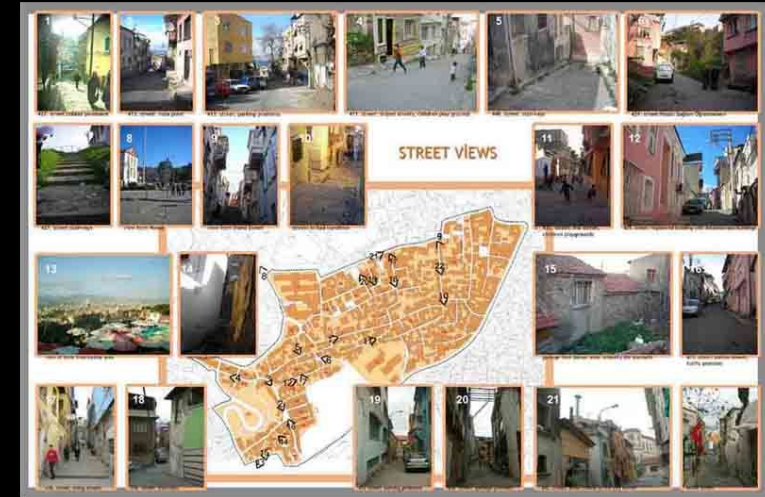
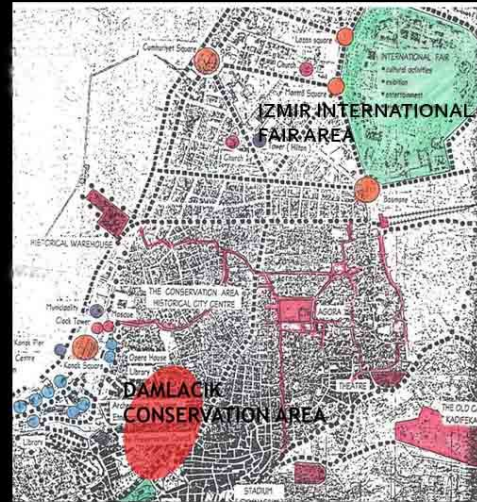
### Background

Year: 2008

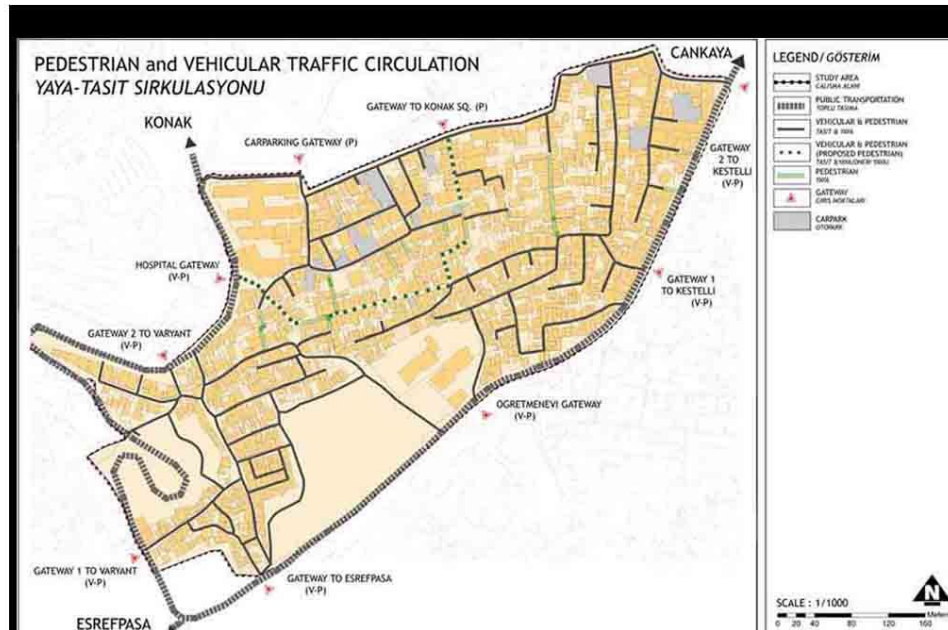
Institution : Izmir Institute of Technology, Faculty of Architecture  
CP 402 Urban Planning Studio

Location: Kemeralti Damlacik District, Izmir , TURKEY

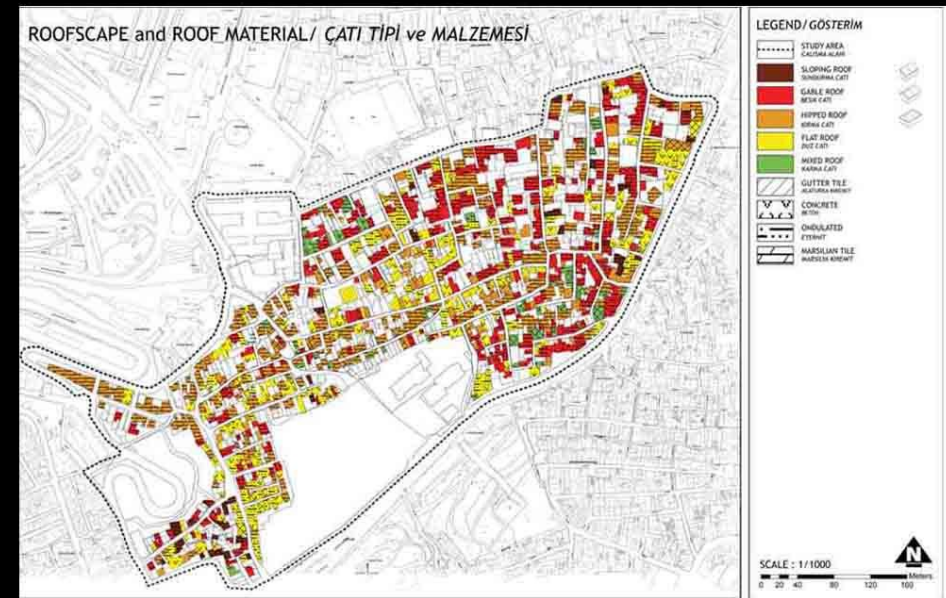
Kemeralti is the traditional commercial and administrative center of Izmir. Damlacik is one of the oldest residential neighborhoods in Kemeralti which has many cultural and historical aspects to be preserved. The site, where Damlacik is located, was registered as Urban Historical Site by The Preservation Council in November 17th, 1978.



### Analysis



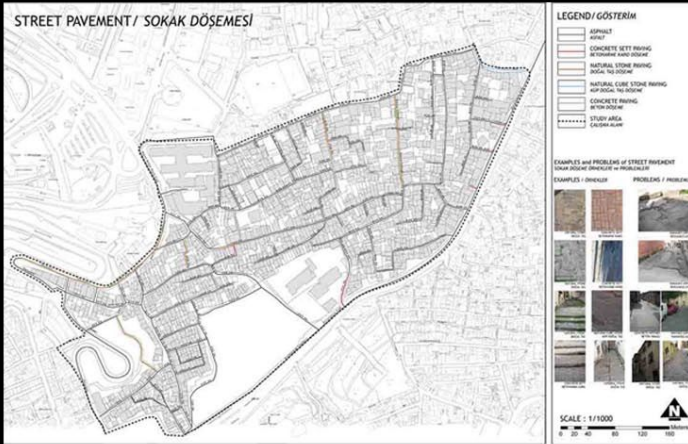
CIRCULATION



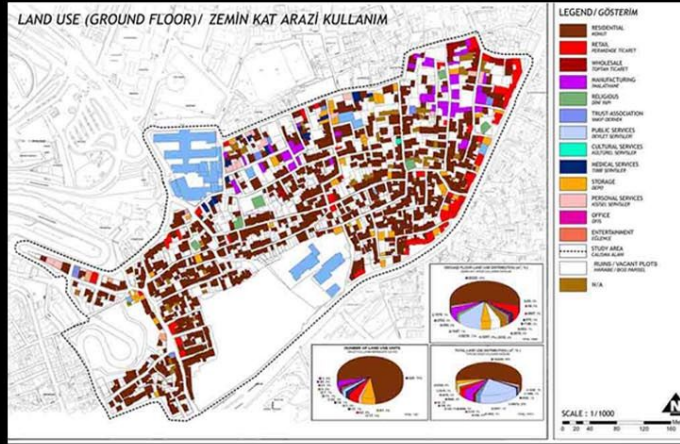
ROOFS



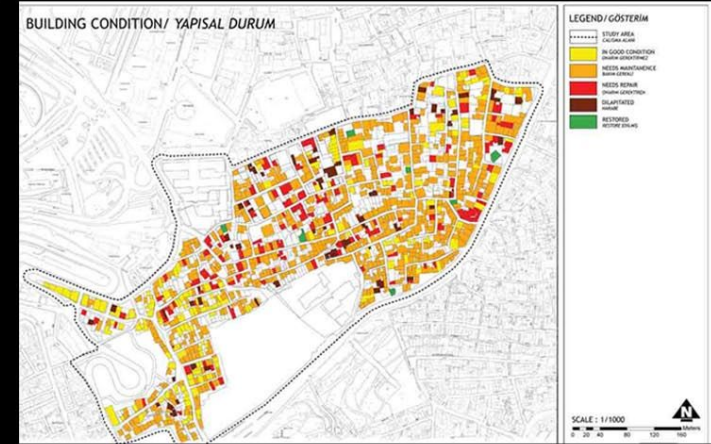
# Analysis



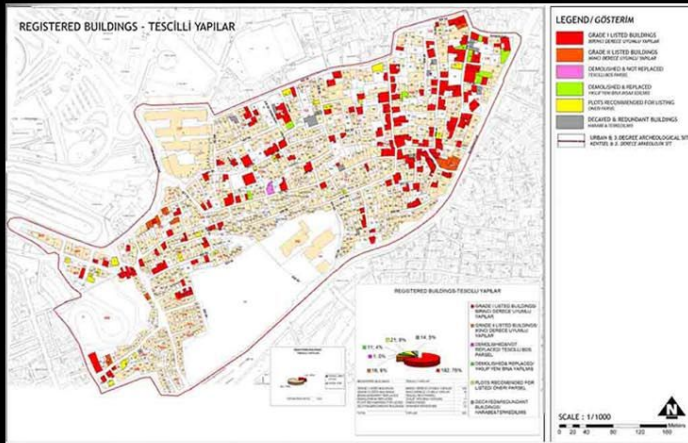
## STREET PAVEMENT



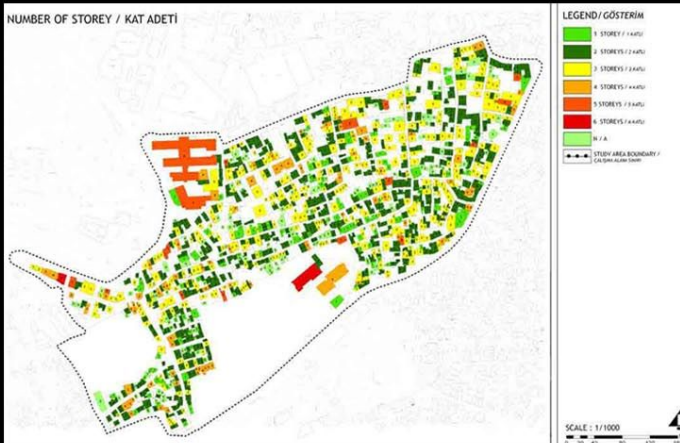
## GROUND FLOOR LAND USE



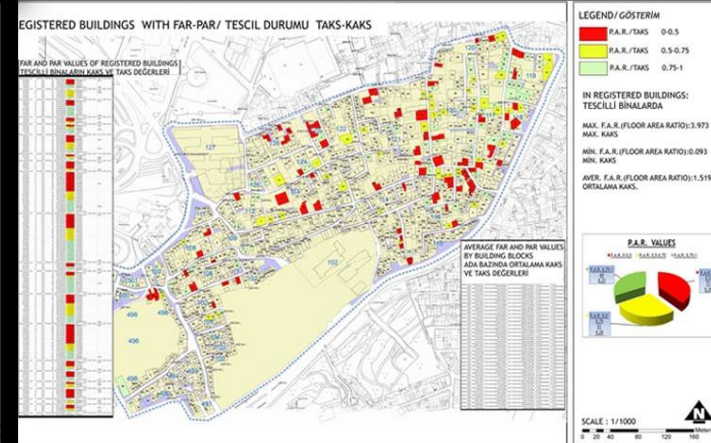
## BUILDING CONDITION



## REGISTERED BUILDINGS



NUMBER OF STOREY



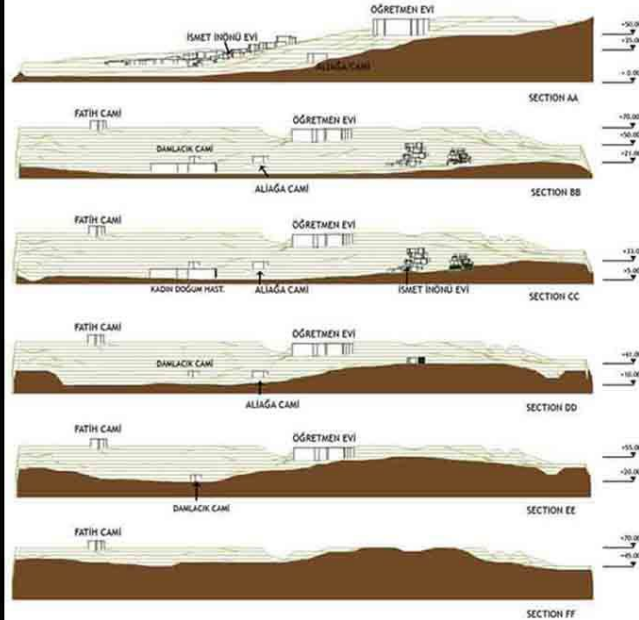
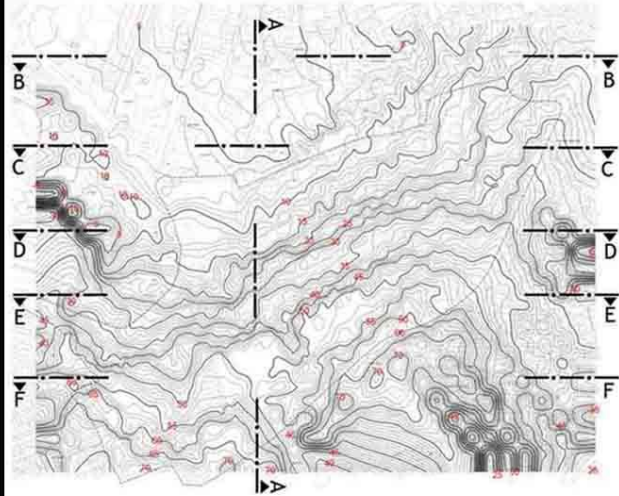
## REGISTERED BUILDINGS WITH FAR/PAR



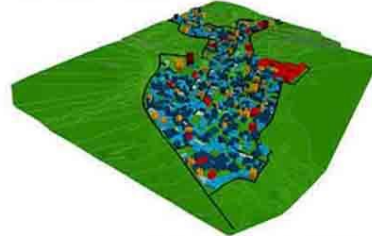
# Analysis

## Slope Analysis

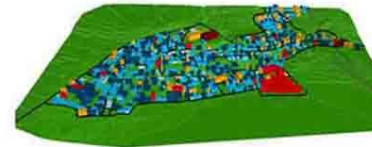
### CONTOUR LINES / EŞYÜKSELTİ EĞRİLERİ



### 3D AERIAL SCENES NUMBER OF STOREYS / KAT ADETİ



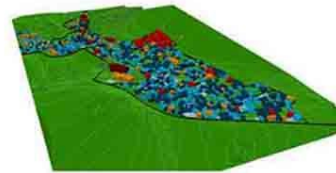
NORTHWEST VIEW / KUZEBATİ GÖRÜŞÜ



NORTH VIEW / KUZEBİ GÖRÜŞÜ



SOUTHWEST VIEW / GÜNEYBATI GÖRÜŞÜ



SOUTHEAST VIEW / GÜNEYDOĞU GÖRÜŞÜ

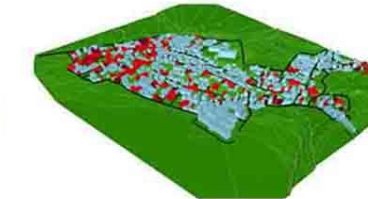


WEST VIEW / BATI GÖRÜŞÜ

### 1+1 dwelling unit REGISTERED BUILDINGS / TESCİL DURUMU



NORTHWEST VIEW / KUZEBATİ GÖRÜŞÜ

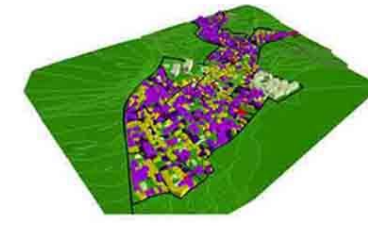


SOUTHWEST VIEW / GÜNEYBATI GÖRÜŞÜ



NORTH VIEW / KUZEBİ GÖRÜŞÜ

### BUILDING PATTERN EVALUATION / YAPI DOKUSU DEĞERLENDİRMESİ



NORTHWEST VIEW / KUZEBATİ GÖRÜŞÜ

### LEGEND / GÖSTERİM

#### NUMBER OF STOREYS / KAT ADETİ



#### REGISTERED BUILDINGS / TESCİL DURUMU



#### BUILDING PATTERN EVALUATION / YAPI DOKUSU DEĞERLENDİRMESİ



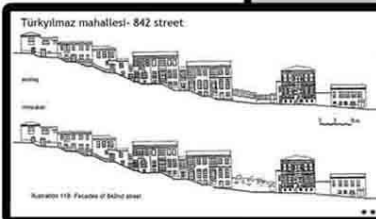
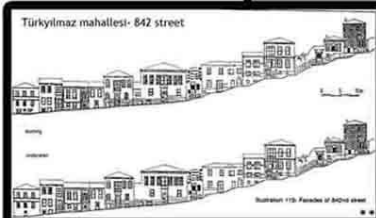
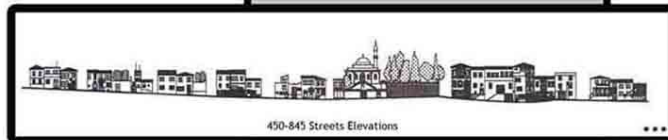
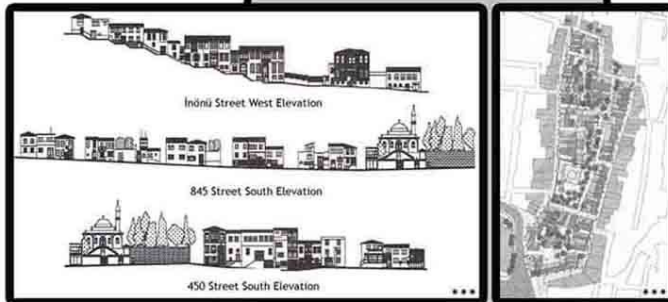
## TYOLOGIES/TİPOLOJİLER

\* D.E.Ü Mimarlık Fakültesi Şehir ve Bölge Planlama Bölümü "Kemeraltı Koruma Amaçlı İmar Planı Revizyonu, Tasarım Rehberi, 2002"

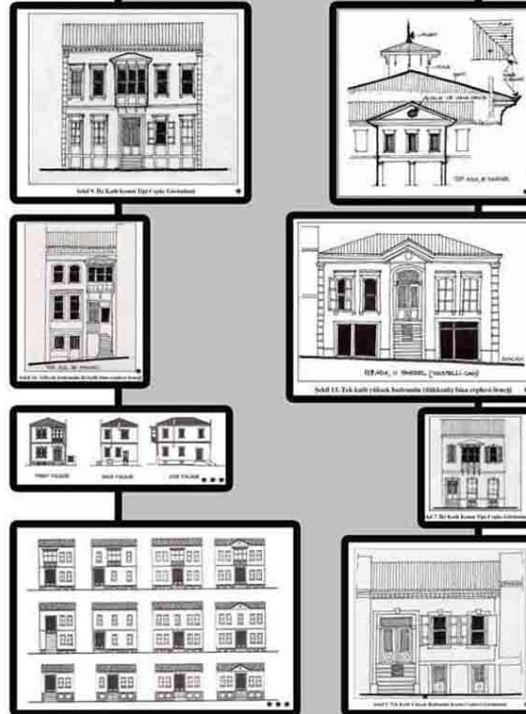
\*\* Eti Akyüz "The Traditional Housing Architecture in İzmir, 1993"

\*\*\* Tan Yiğitcanlar "The Evaluation of Conservation and Development Potential in İzmir Historic City Center, Case of Damlacık, 1996"

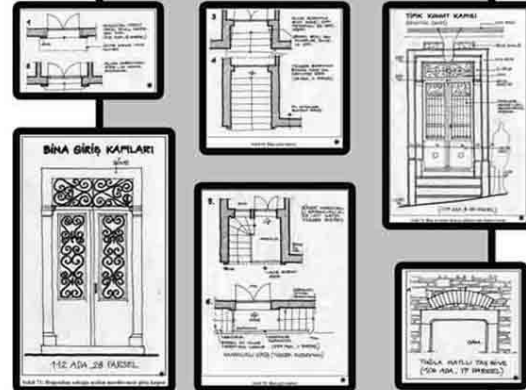
### STREET ELEVATIONS



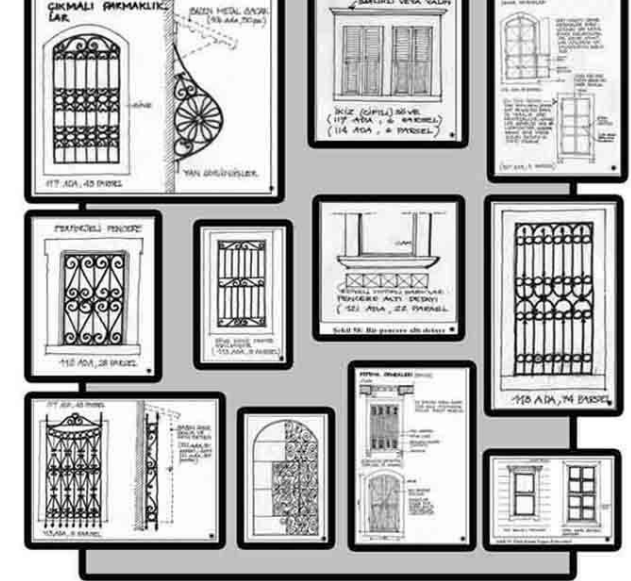
### BUILDING FACADES



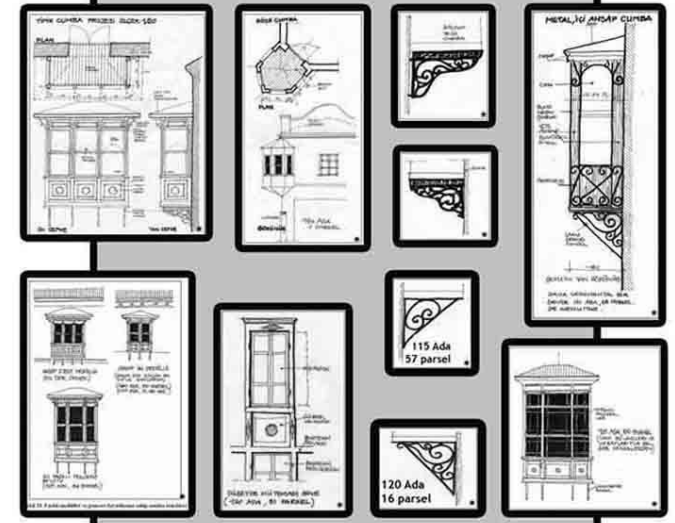
### DOOR AND ENTRANCE TYPES



### WINDOW DETAILS



### ORIEL WINDOW TYPES





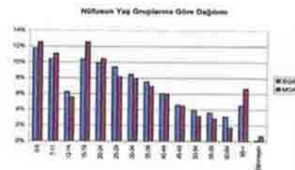
## Social Structure

## FAMILY STRUCTURE

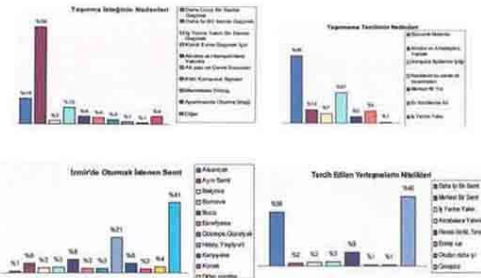


323 families live in the area. Average nucleus family size is 4,23. Average large family size is 7,4.

## AGE DISTRIBUTION



### DEMAND FOR MOVING TO ANOTHER PLACE



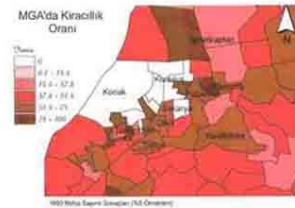
## CAR OWNERSHIP

Araç Sahipliliği		
Araç Yok	%86	280
Otomobil Sahibi	%11	34
Kamyonet Sahibi	%2	6
Cevapsız	%1	3
Toplam	%100	323

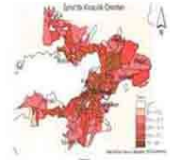
Kaynak: 1998-MGA Anket Değerlendirmesi (%10 örnekleme)

Car ownership rate is low in the area.

## OWNER-TENURE RELATIONSHIP



Tenure rate is high in the area.

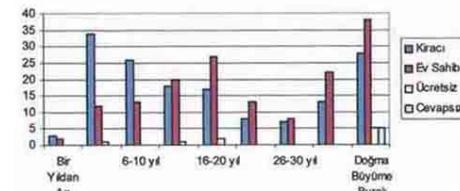


Home Ownership- Demand for moving

	Evet	Hayır	Bilmiyor	Toplam
Kiracı	83 %54	62 %40	9 %6	154 %100
Ev Sahibi	49 %32	97 %63	9 %6	155 %100
Ücretsiz Olarak Otunuyor	4 %44	5 %56		9 %100
Cevapsız	3		2	5
Toplam	139	164	20	323

Kaynak: 1998-MGA Anket Değerlendirmesi (%10 örnekleme)

### Ownership with respect to living period in İzmir

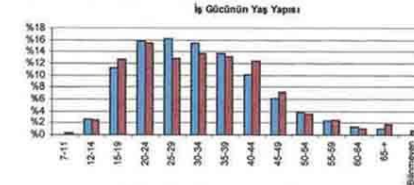


Belonging sense is reduced because of high tenure rate

### SATISFACTION FROM THE DWELLING

REASON OF DEMAND  
OF REMOVE

LABOR STRUCTURE



İz Bulma Yöntemleri	
Kaynaklı Kurul İstekleriyle	548 139
İz ve İzli Bulma Kurumu Kurulması	561 8
Akademik/akademik Hemşirelik Yürütme	566 85
Gazete Bulması	561 5
Bulaşıcı Hastalıklar	561 3
Çocuklar	566 142
Toplam	5600 294

Kaynak: 1998-MGA Aşık Doğum/ölüm oranları (%100 bebekler)

Keynak, 1998- MİA Akaad Dıgımlıdını (740 Anaklı)

[illegible]Karnak: 1996-2014, [www.karnak.org](http://www.karnak.org) (Full text)[illegible]

TABLE 2. *Staphylococcus aureus* Isolates

In Various Classes (old)			In Various Classes (new)		
Ten	500	170	500	500	180
One	500	10	500	500	10
One (small)	50	10	500	500	10
One	50	1	500	500	10
One	50	0	500	500	1
One	50	1	500	500	1
One	500	100	500	500	100

[illegible]

İş Değiştirme Nedeni	
Üzerlerine Yetkili Olunması	%81 46
Kendi İyini kurma isteği	%12 7
Ulaşım Güçlüğü	%4 2
İş Güvençesinin Olunması	%4 2
<b>Toplam</b>	<b>%100 57</b>

Kaynak: 1998-MGA Anket Değerlendirmesi (%/B birimlikleri)

Keywords: 1998-2003; forest; logging; sustainability; timber

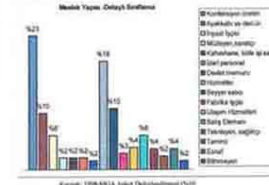
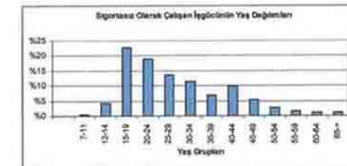
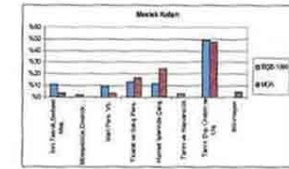
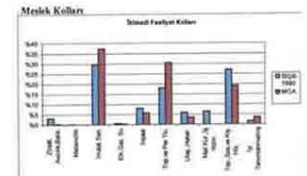


Figure 1. 1998-2014, Total Oyster Landings (N. York Bay).



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## EDUCATION

Eğitim	Okur y.	Okur y. d.	İlk. Mez.	Orta. Mez.	Lise Mez.	Yük. Öğ.	Σ
%	7	19	54	19	9	1	100

# Analysis

## Problem & Potential Analysis

### PROBLEMS



**INHARMONIOUS NEW BUILDINGS**



**NARROW STREETS**



**VACANT AREAS USED FOR PARKING**



**STREETS WITH HIGH SLOPE**



**INHARMONIOUS INTERVENTIONS**



**INHARMONIOUS FACADE COLORS**



**INSUFFICIENT GARBAGE COLLECTION**

HIGH TENANT RATE  
VACANT BUILDINGS  
UNSTABLE JOBS OF PEOPLE LIVING IN THE AREA  
LOW EDUCATION  
LACK OF SOCIAL SERVICES



**INHARMONIOUS MATERIALS FOR HISTORIC TEXTURE**  
(AIR CONDITIONING, ADVERTISEMENT ETC.)



**DILAPITATED BUILDINGS**

### POTENTIALS



**REGISTERED BUILDINGS**



**BUILDINGS NEEDING MAINTENANCE**



**VISTAS**



**STRONG RELATIONSHIP BETWEEN NEIGHBORS**



**LANDSCAPE ELEMENTS (TREES, VEGETATION ETC.)**

BEING CLOSE TO THE CITY CENTER  
TOURISTIC POTENTIAL  
ARCHEOLOGICAL CONSERVATION AREA



# Analysis

## Conceptual Analysis

### DESIGN PROPOSALS

#### PLACES FOR PEOPLE

CLEANING THE DILAPITATED BUILDINGS  
CREATING PUBLIC SEMI PUBLIC SPACES  
ADJUSTING PEDESTRIAN CIRCULATION  
REGULATIONS FOR BUILDING STRUCTURE

#### ENRICH THE EXISTING

REHABILITATE EXISTING STRUCTURE  
RE-USE EXISTING OPEN SPACES  
NEW LAND USES FOR EXISTING BUILDINGS AND SPACES  
ADJUSTMENT OF THE BUILDINGS NEEDING REPAIR

#### MAKE CONNECTIONS

INTEGRATE THE SITE AND HISTORIC CULTURAL CENTERS AROUND IT  
ADJUSTING PEDESTRIAN CIRCULATION BETWEEN THE SITE AND CITY CENTER  
CREATING PUBLIC SEMI PUBLIC SPACES

#### WORK WITH THE LANDSCAPE

TRANSFORMATION OF VACANT SPACES (GARDENS, PLOTS) INTO PUBLIC PLACES  
JOINING THE GARDENS OF BUILDINGS BY PROVIDING AGREEMENT OF HOUSEHOLDS

#### MIXED USES AND FORMS

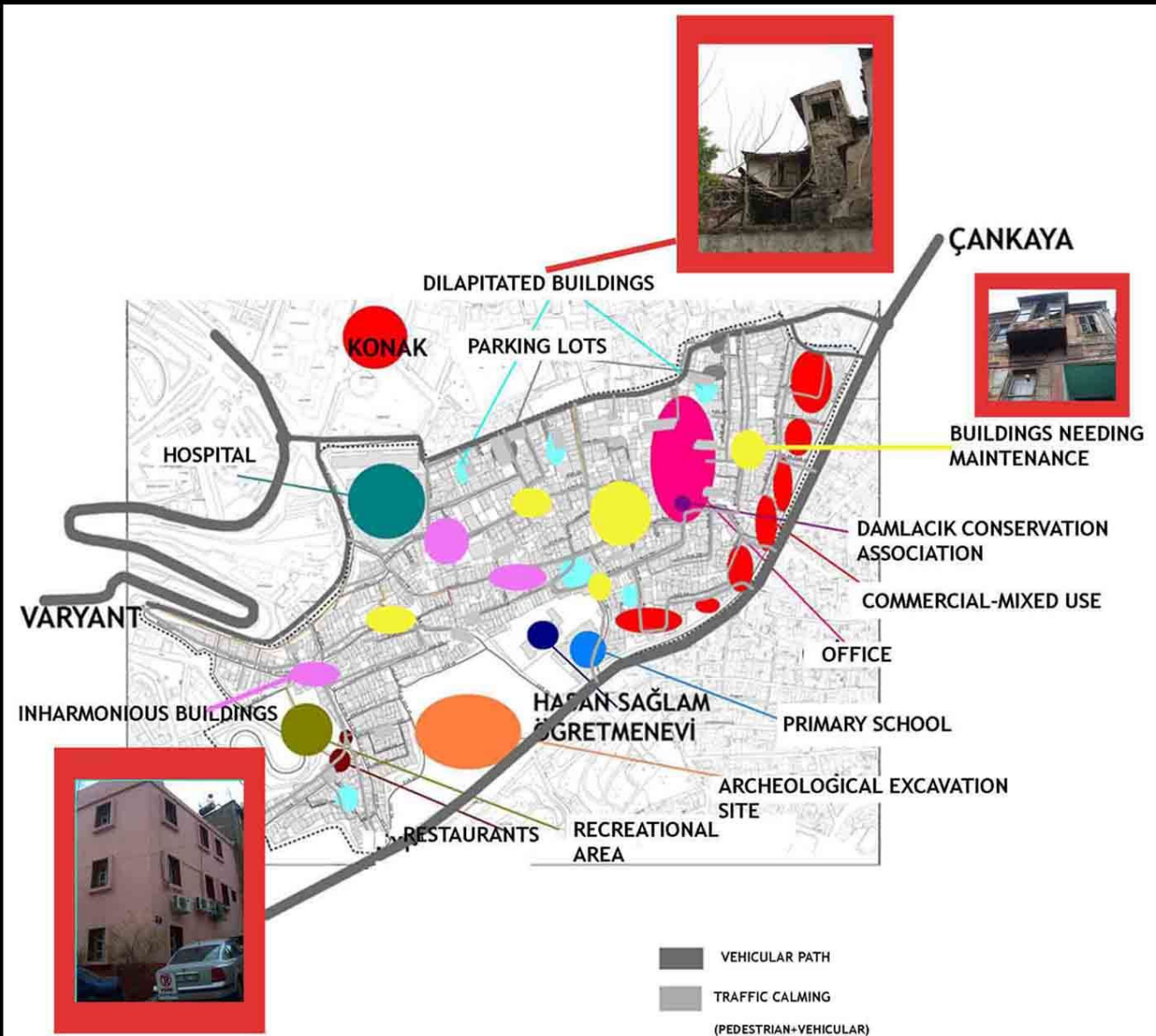
RE-USE THE EXISTING STOCK WITH PROPOSED LAND USES AND BUILDING FORMS  
CREATING BUILDINGS WITH DIFFERENT DIMENSIONS AND HIGHT PROPOSED  
MIXED USE AREAS

#### MANAGE THE INVESTMENT

REVITALISE THE SITE BY PROVIDING INVESTMENT AREAS  
OFFICE BUILDINGS OFFERED TO BE RESTORED BY FIRMS

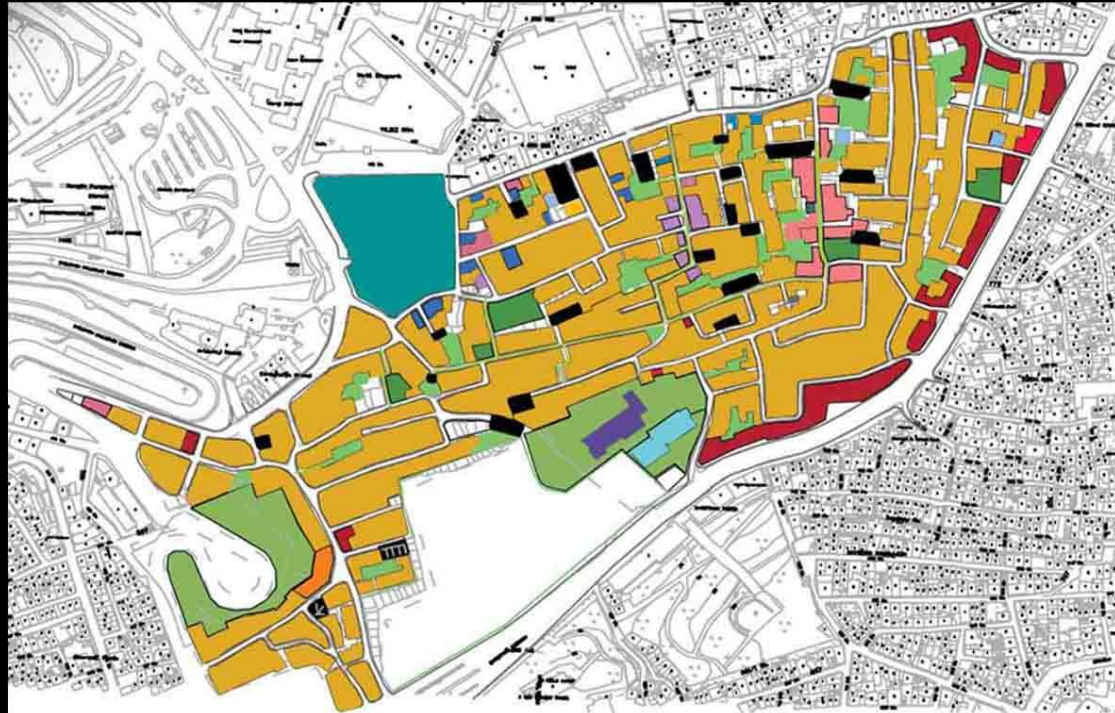
#### DESIGN FOR CHANGE

ADJUSTMENT OF THE ENVIRONMENT FOR CHANGING ITS SLUM IMAGE WHILE PRESERVING ITS CULTURAL URBAN VALUES



# Project

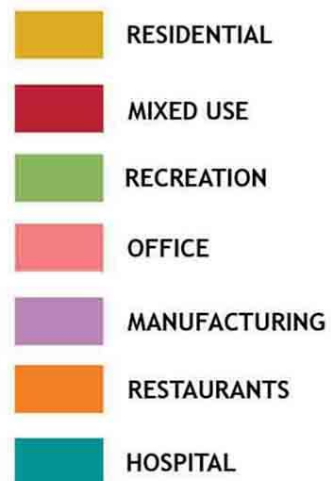
## Master Plan 1/5000



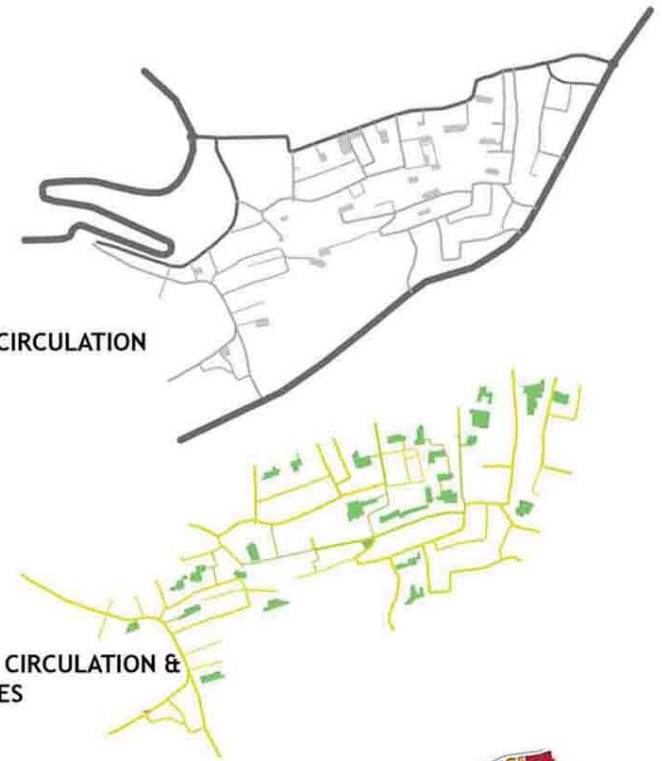
THE CIRCULATION SCHEME IS CREATED BY MAKING INTEGRATIONS BETWEEN THE SITE AND THE CITY, CONNECTIONS INSIDE OF THE SITE. PARKING SPACES ARE CONCENTRATED ON THE EDGES OF THE SITE. THE ROADS INSIDE THE SITE ARE DESIGNED BY MAKING TRAFFIC CALMING. OPEN SPACES ARE CONNECTED BY PEDESTRIAN PATHS.

LAND USE DECISIONS ARE TAKEN BY CONSIDERING EXISTING LAND USES. THE NEEDS AND THE CONSERVATION IDEAS SHAPE LAND USES.

BUILDINGS THAT ARE INSIDE OF THE ARCHEOLOGICAL CONSERVATION BOUNDARIES ARE DECIDED TO BE DEMOLISHED. BUILDINGS THAT ARE INSIDE OF THE NATURAL CONSERVATION BOUNDARIES ( 2ND DEGREE) ARE DECIDED TO BE TRANSFORMED INTO RESTAURANTS. IN THIS AREA SCENE TERRACES ARE OFFERED.



VEHICULAR CIRCULATION



PEDESTRIAN CIRCULATION & GREEN SPACES

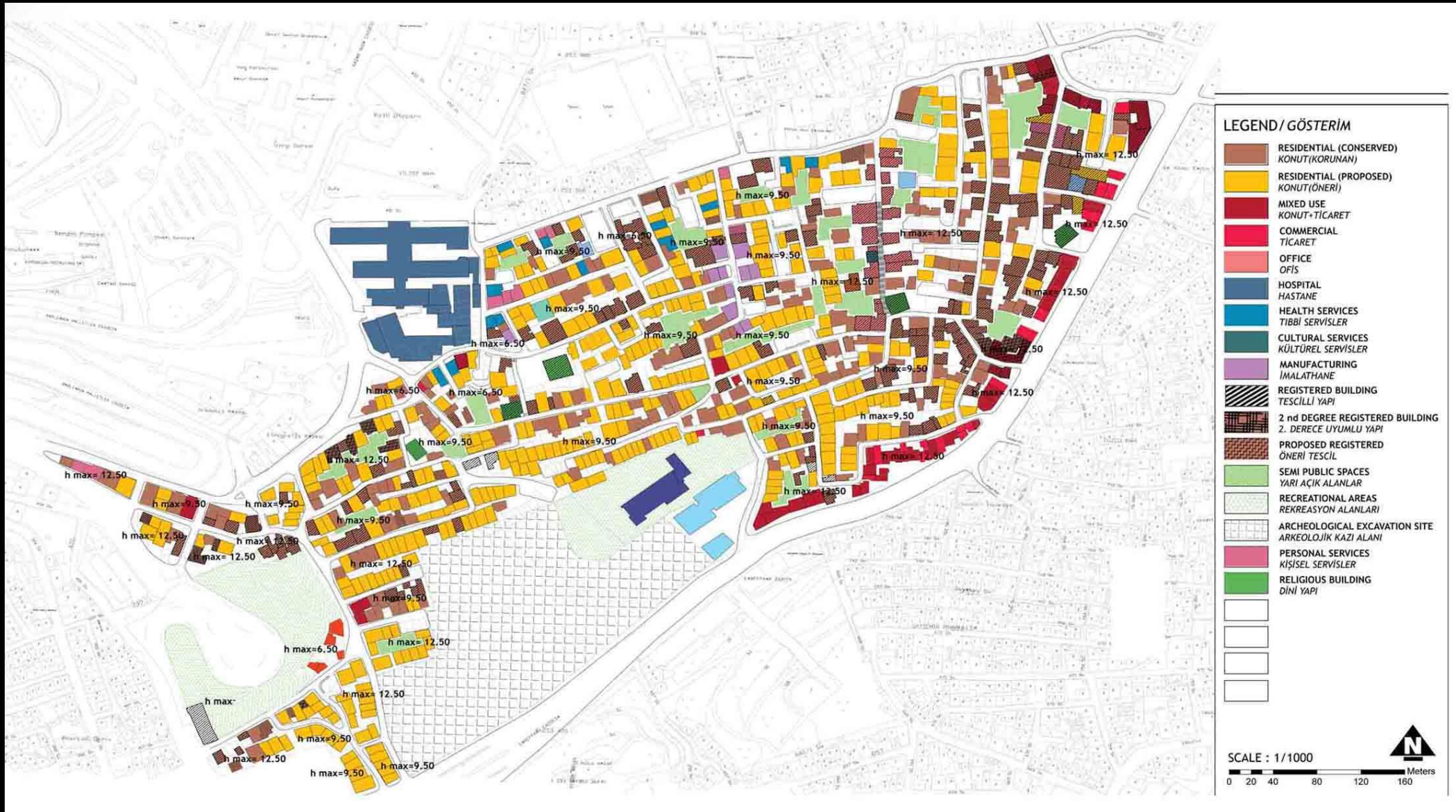
LAND USE





# Project

## Settlement Plan



# Project

## Detailed Plan





# Project

## 3D Views

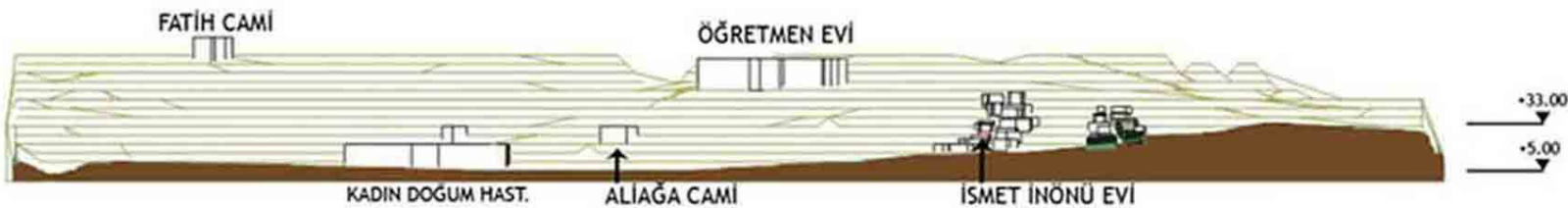


PARKING LOTS & GREEN TERRACES



SEMI PUBLIC SPACES

SEMI PUBLIC SPACES AND GREEN TERRACES ARE DESIGNED FOR SLOPY AREAS BETWEEN OFFICE USES. IN THESE AREAS THERE ARE CAR PARKING LOTS AND VEGETATION BUFFER BETWEEN PARKING AND LIVING SPACES. THESE SPACES ARE THE SOCIAL SPACES FOR PEOPLE . TREES AND SHELTER ARE USED FOR SHADING IN THESE PUBLIC AREAS.



SECTION AA'



# Urban Design Project

## Expo 2015 Urban Design Project, Inciralti, Izmir, TURKEY

### Background

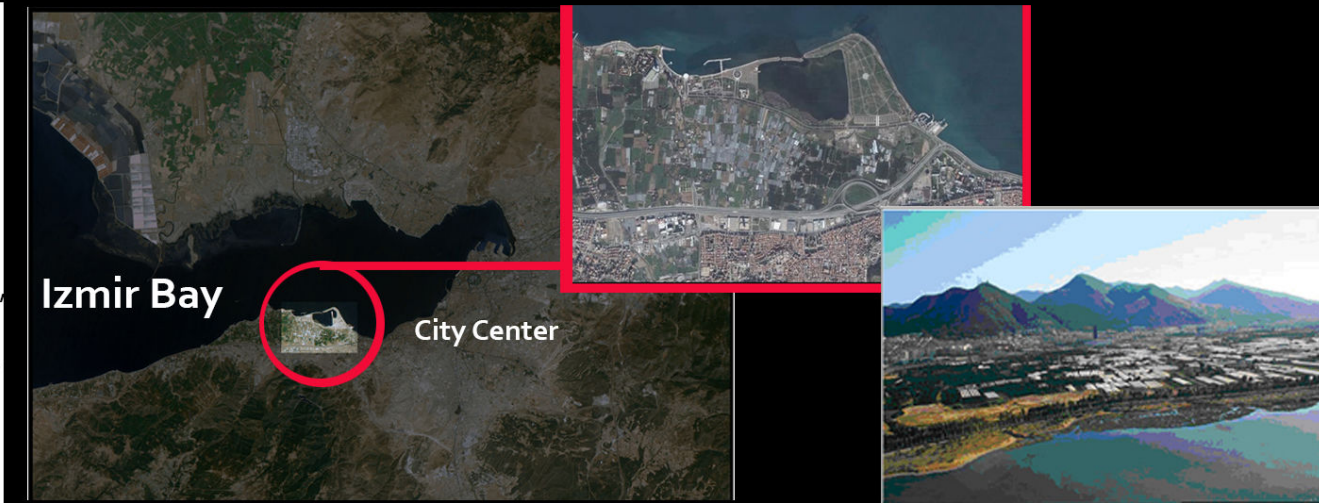
Year: 2007

Institution : Izmir Institute of Technology, Faculty of Architecture  
CP 401 Urban Design Studio

Location: Inciralti District, Izmir , TURKEY

Area: 370 ha

EXPO 2015 is planned to be held in Inciralti, Izmir. The site which is bounded by Izmir-Cesme Highway, Izmir Bay and Inciralti Street, is located on the western coast of Izmir. The site is located on the intersection of different modes of transportation such as highway, motorway, subway. In addition, Izmir Marina and Ferry Port are located next to the site.



### Analysis

#### POTENTIALS

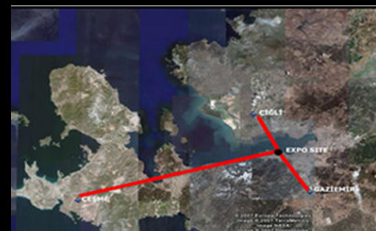
Close to the city center  
Close to tourism centers  
High accessibility  
Climatic conditions  
Available slope  
Large recreational areas  
& green spaces

#### PROBLEMS

Natural Conservation Area  
Insufficient accommodation capacity  
(the only close place for accommodation is Crowne Plaza )  
Divided private properties  
Inadequate access to airway  
Damage of agricultural lands



	average high °C	average low °C	mean °C	average precipitation (mm)
whole year	22	13	18	691
Expo period	29	18	24	100





# Analysis

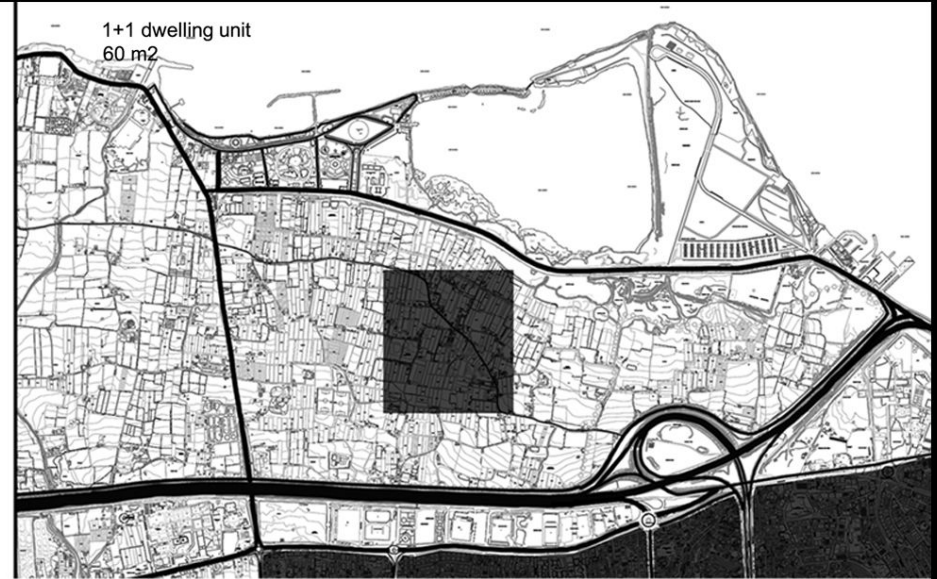
## Existing Land Use Analysis



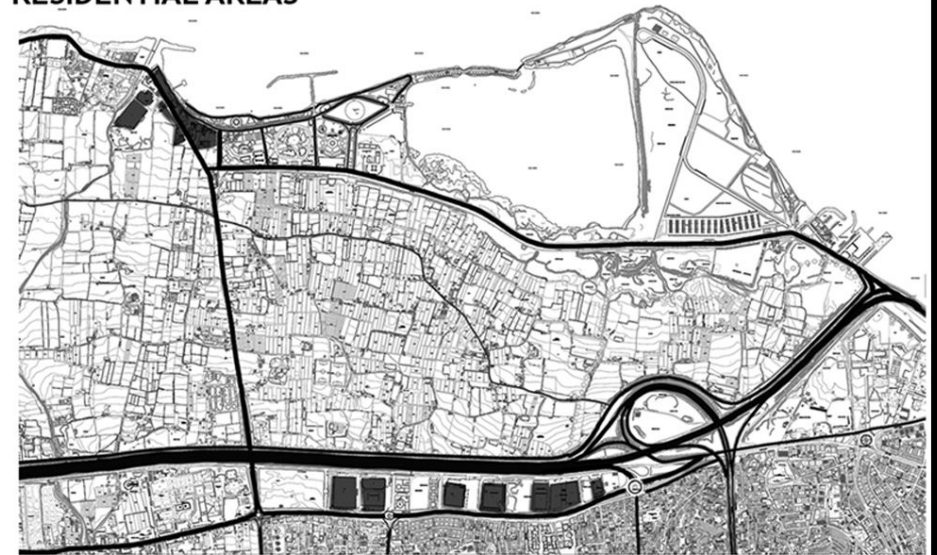
TRANSPORTATION



RECREATIONAL AREAS & AGRICULTURAL AREAS & GREENHOUSES



RESIDENTIAL AREAS



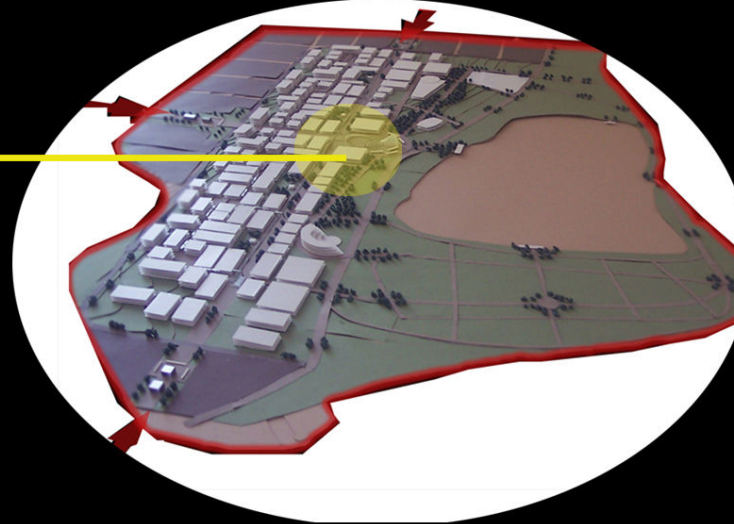
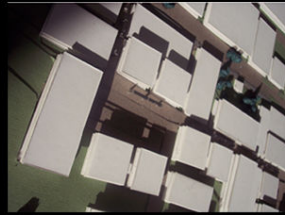
COMMERCIAL AREAS

# Project

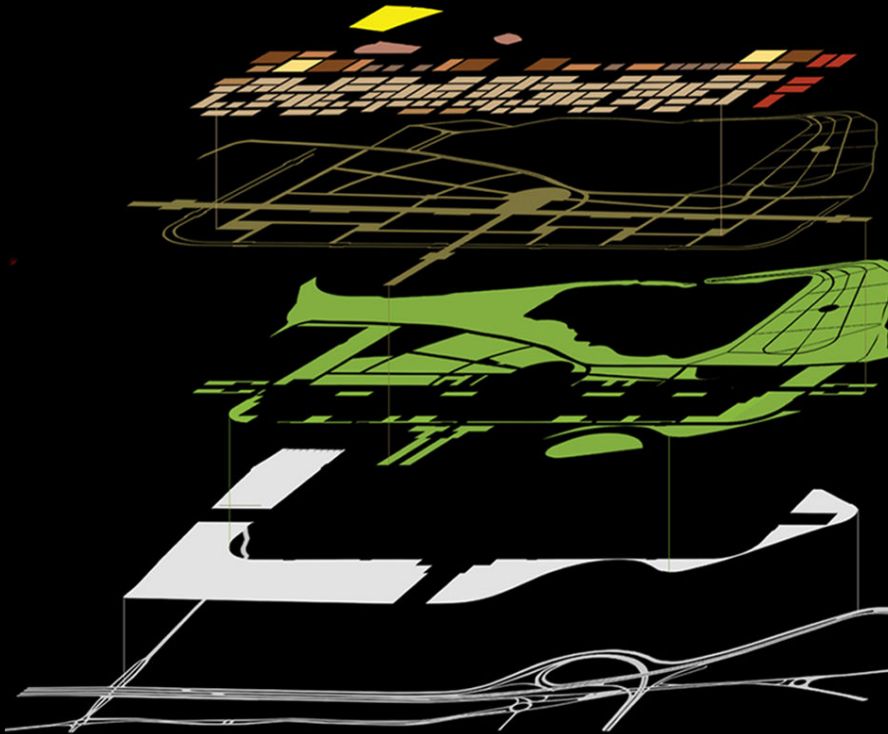
## Conceptual Analysis & Design Proposals

CONNECTION BETWEEN RING STOPS  
AND THE COAST  
PATH THROUGH THE COURTS

Circulation Scheme  
Connection between the gates  
Circulation among pavillions  
Recreational areas & Courtyards



Main axis connect main uses such as primary pavillions restaurants and tramway stops  
Main square is located to the intersection of the main axis  
Secondary axis connect the pavillions and courtyards to culture center and entertainment areas  
Height of the pavillions is determined through the topography of the site  
The proposed texture is integrated to existing natural texture of the site.





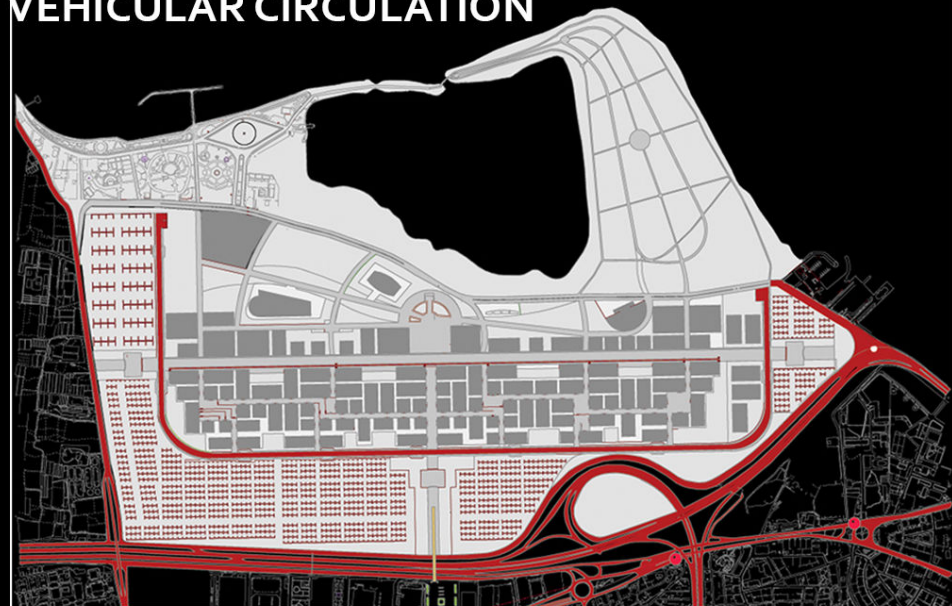
# Project

## Proposed Land Use Plans

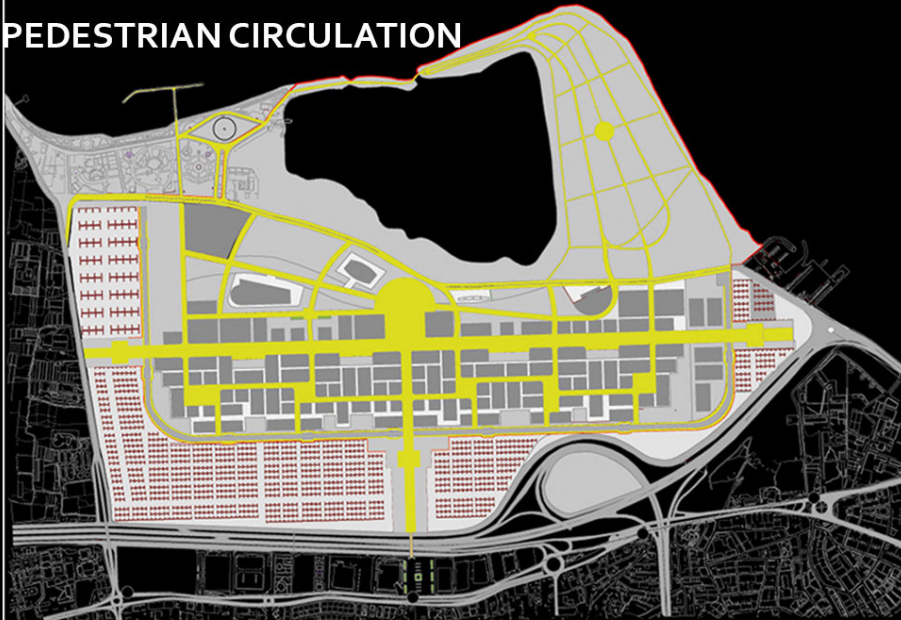
### SETTLEMENT PLAN



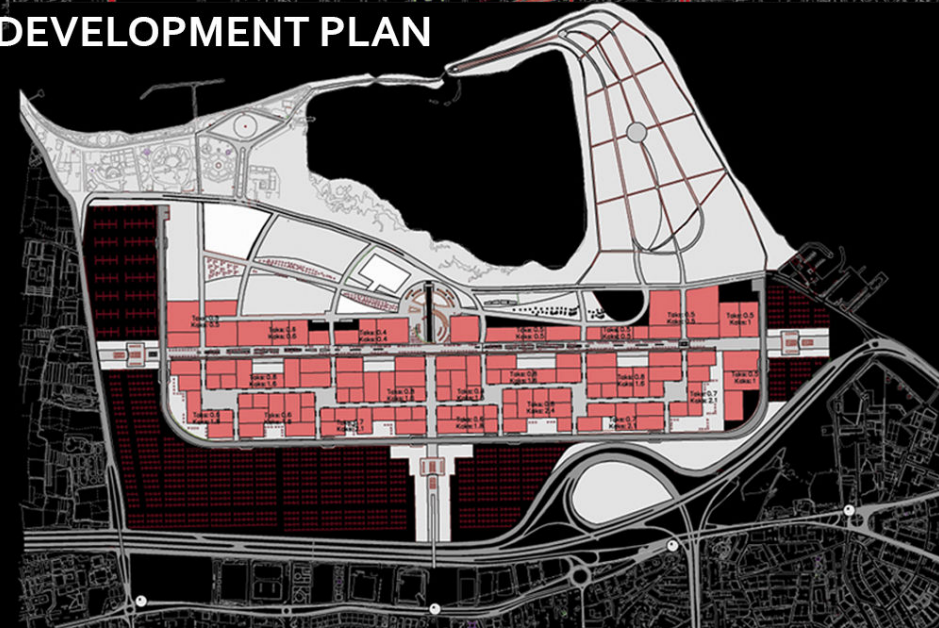
### VEHICULAR CIRCULATION



### PEDESTRIAN CIRCULATION



### DEVELOPMENT PLAN



# Project

## Land Use Distribution

1	SPACE ALLOCATED FOR CULTURAL & ENTERTAINMENT FACILITIES							
	EXPO				POST-EXPO			
	Number of Buildings		Plot (m2)		Constructed Area (m2)		Plot (m2)	
	P1	P2	P1	P2	P1	P2	P1	P2
Amphitheatre	1	1	20,000	18,000	20,000	12,000	1	20,000
Theatre	-	1	-	2500	-	2500	1	2500
Open air Cinema	-	1	-	-	-	2500	1	2500
Kiosks	9	7	1000	300	250	-	-	-
Parade	1	1	10,000	2,000	1	10,000	2,000	-
Multifunctional Pavilion	2	2	12,000	12,000	2	-	-	-
Total	14	14	93	7,180	7	-	-	-

P1: Proposed by the existing Project P2: Proposed by group Project

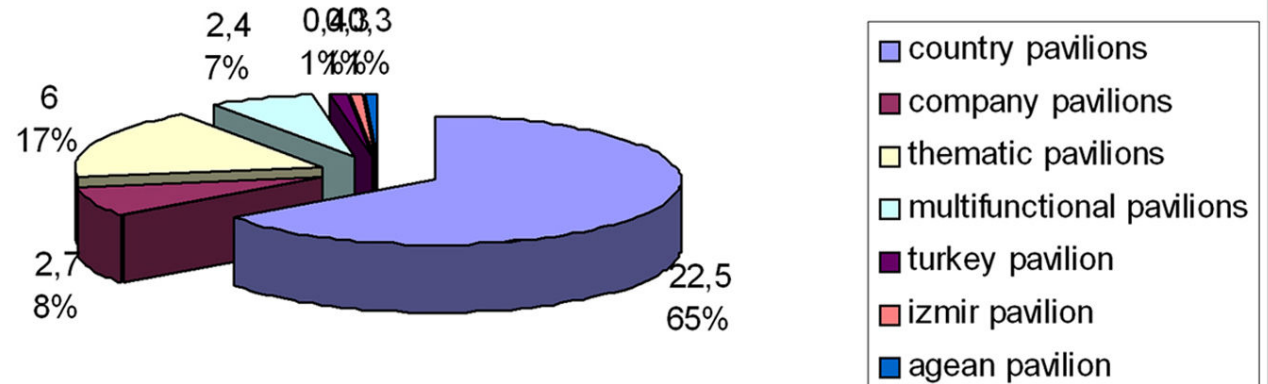
2	SPACE ALLOCATED FOR PARKING LOTS AND AREAS (INTERNAL TRANSPORTATION)					
	EXPO			POST-EXPO		
	Number of Vehicles		Plot (ha)		Plot (ha)	
	P1	P2	P1	P2	P1	P2
Coach Park	500	400	37	13	-	-
Car Park	20,000	14,000	50	77	-	-
Service Vehicles and Duty Park	30	20	0.5	0.5	-	-
Total	20,530	14,420	119.5	90.5	-	-

3	ASSUMED DISTRIBUTION OF PAVILIONS IN TERMS OF NUMBER AND TYPE							
	EXISTING PROJECT				GROUP PROJECT			
	Type	Participant	Number of Pavilions	Plot Area (m2/lot)	KAKS	Constructed Area (m2)	Number of Pavilions	Plot Area (m2/lot)
PAVILION TYPE / SIZE	Large	Countries(27) Companies(4) Turkey(1)	28	4,500	1,40	4,500	34	4,500
	Medium	Countries (max. 34) Aegean(1) Izmir(1)	25	3,000	1,25	3,750	16	3,000
	Small	Countries(max.34) International Organizations(4) NGOs(1)	31	1,750	1,15	2,013	41	1,750
	Very Small	Countries (max.10)	5	750	1,10	825	5	750
Thematic Pavilions	Thema Pavilions		5	12,000	1,50	90,000	5	12,000
Total			90			70		

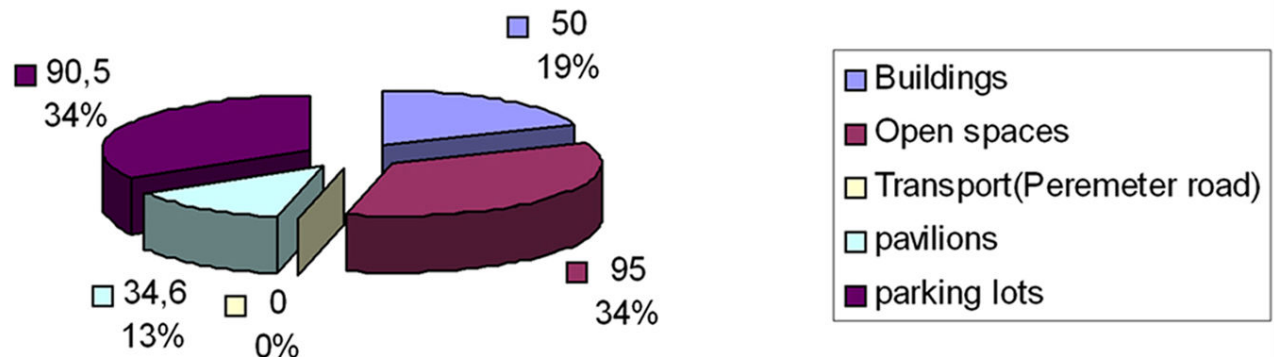
4	EXPO					
	Area		Persons			
	P1	P2	P1	P2	Area (P2)	
Types of Open Space Accessible to the Public						
Buildings	431,380	500,000	76,897	80,000	455,000	75000
Queue Areas	50,000	50,000	25,000	25,000	50,000	25,000
Transport (Perimeter Road)	130,000	77000	5,000	2500	130,000	5,000
Open Spaces	565,515	600,000	113,103	120,000	555,000	113,103
Total	1,176,895	1,227,000	220,000	227,500	1,176,895	220,000
Capacity at any one time						

5	RESERVE AREA			
	EXPO		POST-EXPO	
	P1	P2	P1	P2
Type of Reserve Area				
Area Reserved for Lake	12	-	-	-
Remaining Areas of Gardens	22	25	-	100
Service Entrances	1	1	-	1
Visitors' Entrances*	6	3	-	-
Area for Honor Day Receptions	1	1	-	-
Total	47	30	-	-

### DISTRIBUTION HA AND PERCENTAGES OF PAVILIONS



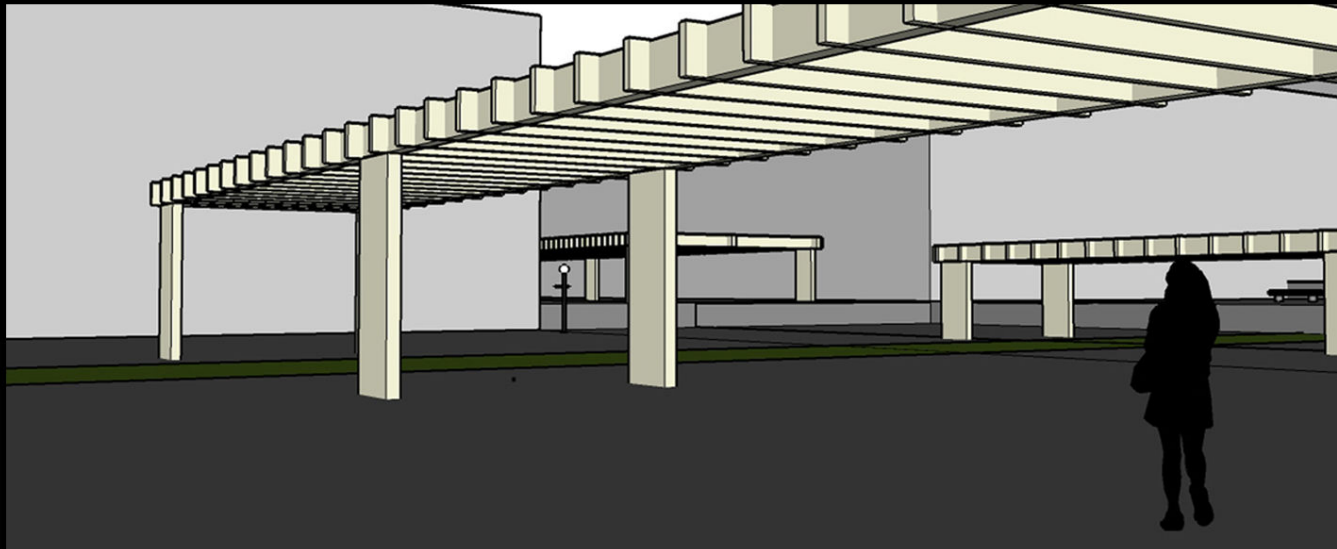
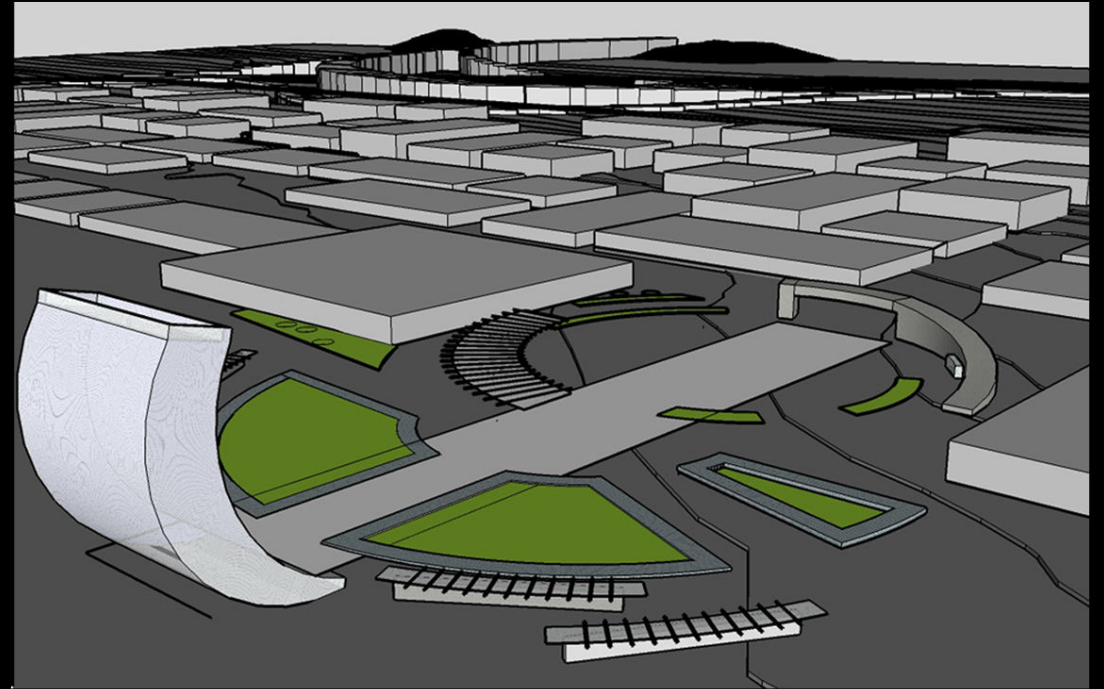
### DISTRIBUTION OF HA AND PERCENTAGES





# Project

## Perspectives





# Urban Planning Projects

## Izmir Northern Axis Planning Project, Aliaga Izmir, TURKEY

### Background

Year: 2007

Institution : Izmir Institute of Technology, Faculty of Architecture

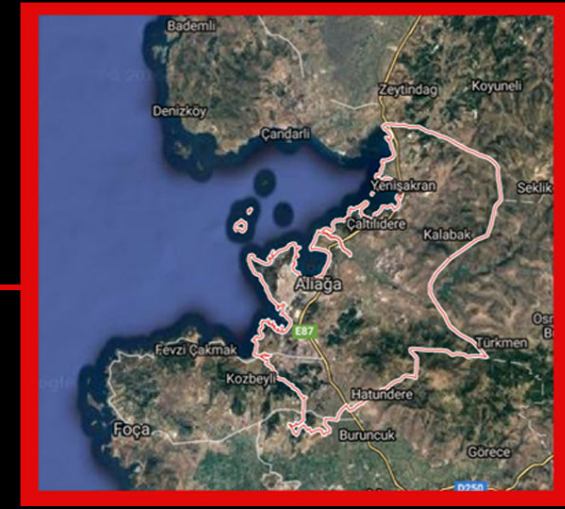
CP 302 Planning Design Studio

Location: Aliaga, Izmir, TURKEY

Aliaga is an important industrial center of both northern axis of Izmir and Turkey. The city had a rapid growth and continuously increased rise of immigration due to the pulling factors of new job opportunities. Besides the rapid urbanization process, existing infrastructure of the city became inadequate.

Demographic structure, problems and potentials are analyzed within the analytical investigations of the site. Demographic projections are used as the starting point of the project.

Total planning area: 1.787 ha



### Analysis

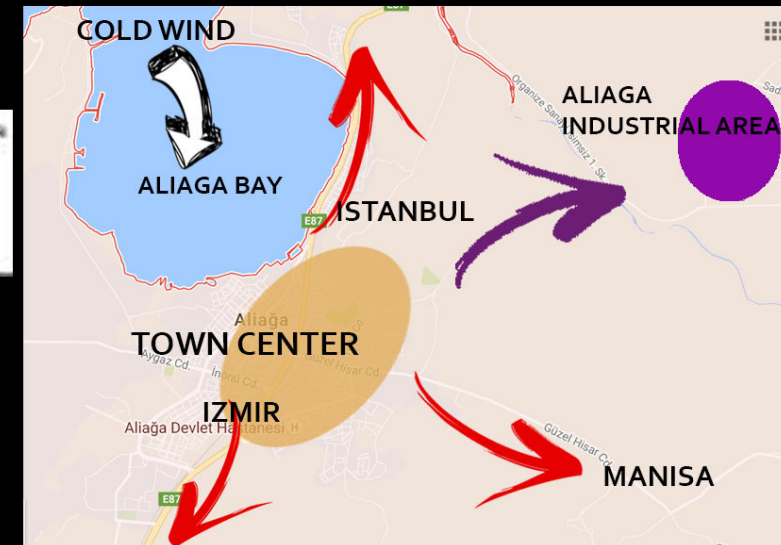


#### EXISTING LAND USE ANALYSIS



#### DEMOGRAPHIC PROJECTION

YEAR	Index(X)	POPULATION(Y)
1980	7	11129
1985	8	17578
1990	9	25450
2000	11	37537
2005	12	47946
2015		80589
2025		149482

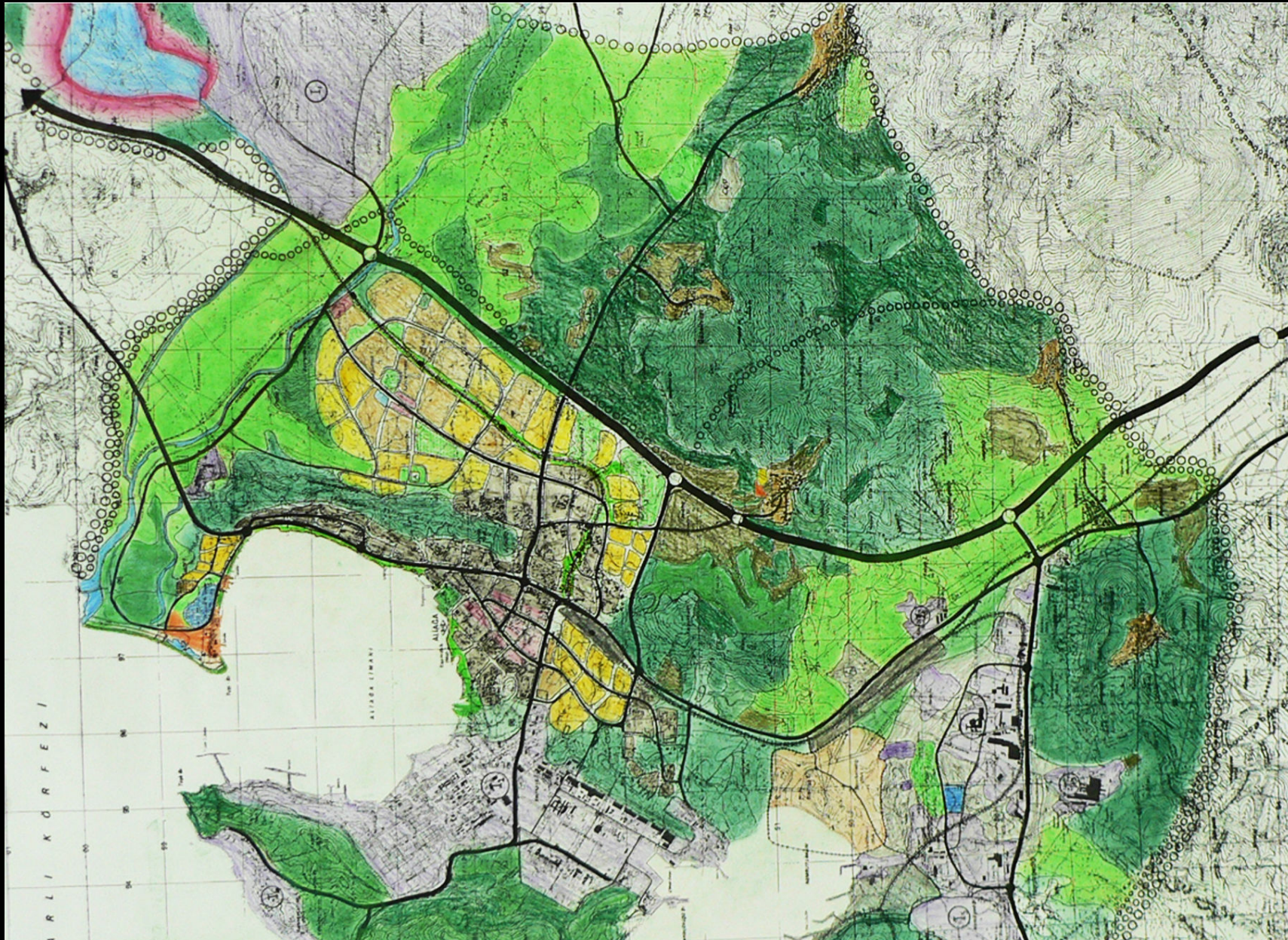


#### LOCATION ANALYSIS



# Project

## Structure Plan (Scale: 1/15000)



### LEGEND

- EXISTING RESIDENTIAL
- PROPOSED RESIDENTIAL
  - HIGH DENSITY RES.
  - MEDIUM DENSITY RES.
  - LOW DENSITY RES.
- INDUSTRIAL
- FOREST
- AGRICULTURAL
- MEADOW
- WAREHOUSE
- MIXED USE (RES.+COMMERCIAL)



# Project

## Structure Plan (Scale: 1/5000)



### LEGEND

- EXISTING RESIDENTIAL
- PROPOSED RESIDENTIAL
- HIGH DENSITY RES.
- MEDIUM DENSITY RES.
- LOW DENSITY RES.
- INDUSTRIAL
- FOREST
- AGRICULTURAL
- MEADOW
- WAREHOUSE
- MIXED USE (RES.+COMMERCIAL)

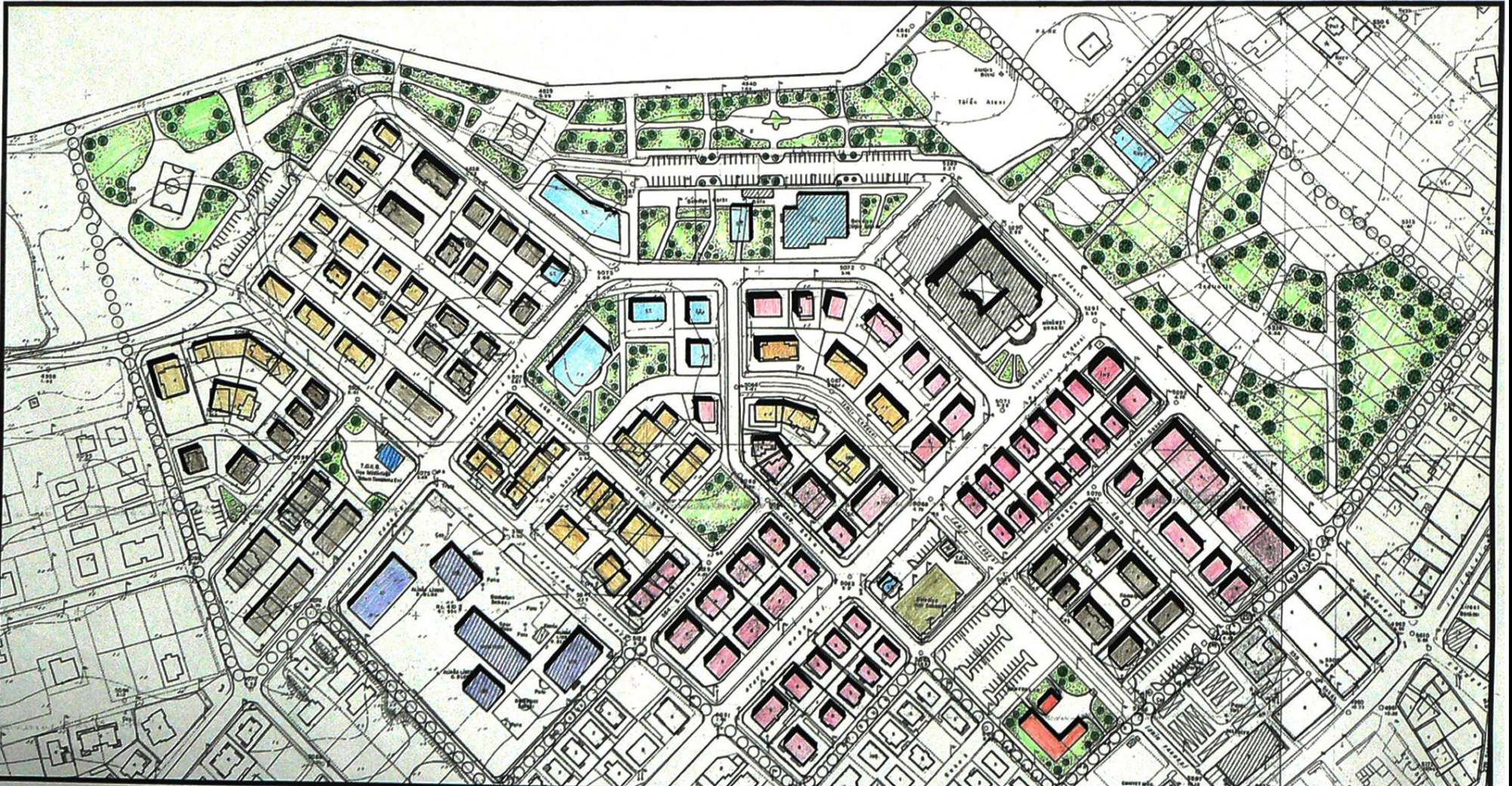


# Project

Settlement Plan (Scale: 1/1000)

## CENTRAL NEIGHBORHOOD (MIXED USE)

N  
1:1000





# Project

Settlement Plan (Scale: 1/1000)

## PROPOSED RESIDENTIAL NEIGHBORHOOD

N  
1:1000

