erimco

engineering
design & consultancy

selected works

About Us

Erimco has been established in 1979, as a Private Company to develop software for infrastructural networks. The company has turned into an LTD establishment in 1989, with the aim to provide civil design and consultancy services.

Erimco has a vast experience on all kinds of civil design works, ranging from large city civil networks to the design of the whole infrastructural systems of new dwelling areas, covering roads, domestic water, fire hydrant, irrigation, sewerage and storm water networks.

Our Vision

Our vision is to incorporate cutting-edge technologies and ideas to achieve efficient consumption of local resources, using less time and energy. This makes it possible for us to protect our customers' interests and have a kinder environmental footprint.

Our Mission

To understand the needs of the client

To study well the location and conditions of the project

To develop macro design by taking into consideration different alternatives and to select the most economical solutions without compromising on quality and functionality

To provide engineering details for easy and accurate construction

40 years of Experience

With 40 years of experience, Erimco is one of the most reknown and prestigious Turkish companies in its field. Our complete list of references contains 137 projects, which can be accessed on our site.
erimco.com.tr

Turnkey Solutions

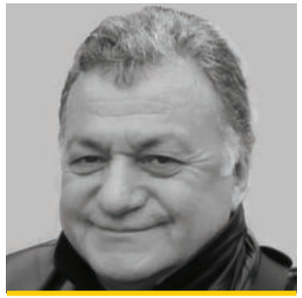
The bottom line is turnkey infrastructural and structural solutions; from the preliminary design stage to the construction supervision and operational phase.

Our Team

Although our main field of activity is infrastructures, we can offer turnkey solutions for all engineering disciplines with our experienced Team and our Solution Partners. BIKELE and MADAC projects are recent examples of this new perspective.

Adnan Erokan
Founder // Infra Team Leader

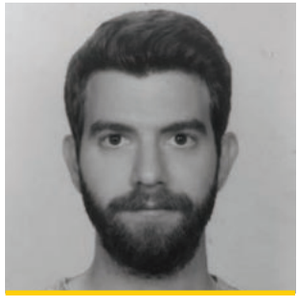
Ethem Necil Berkant
Senior Technical Consultant



Süleyman Akım
Mechanics Consultant

Burhan Aydınkal
Electrical Consultant

Murat Doğan
Project Coordinator



Emre Erokan
Energy Systems Specialist

Our Services

Road Planning

Highway Design

Bridges

Viaducts

Water

Domestic Water Networks

Irrigation Networks

Fire Hydrant Systems

Pumping Mains

Gravity Mains

Reservoirs

Pump Stations

Sewerage

Sewerage Networks

Pump Stations

Storm Water

Storm Water Networks

Pump Stations

Design and Consultancy

Structural
Architectural
Infrastructure
Mechanical and Electrical
Design Works +
Consultancy

Projects

Erimco has been providing infrastructure design solutions around the globe for almost 40 years.

137 Completed Projects

8 Worked-in Countries

01

Large Scale Projects // City Networks

İstanbul City Domestic Water Network

İzmir City Domestic Water Network

Konya City Domestic Water Network

Sakarya-Hendek Water Network

Mersin City Sewerage Network

Bursa City (East Part) Sewerage Network

Elazığ City Sewerage Network

02

New Dwelling Areas

Riva Area Dwelling

Bikele Area Dwelling

Al-Ghiran South Housing

Kaplankaya Area Dwelling

Acaristanbul Housing

Rings İstanbul

Pelican Hill Mansions

Kumköy Mansions

Alarko-Alkent 2000 Dwelling

Akkoza Residences

Amburan Mansions

Yoo İstanbul VIP Residences

Ege Yapı Yedikule Houses

03

Special Projects

AECOM-İstanbul 3rd International Airport

MADAC-Al Madinah Al Munawwarah Academy

Al-Nariyah Train Workshop

Al- Hokair Office Building

Bagram Air-Force Base

Shatt-Al Arab Hospital

Misurata Hospital

Egs Business Park Yeşilköy

Akbatı Shopping Mall

Soyak Crystal Tower

Topkapı City Museum

Expo 2020 Fair Area

04

Infrastructure Feasibility Reports

Denizli City Feasibilty Studies

Şanlıurfa City Feasibilty Studies

Nevşehir City Feasibilty Studies

Kars City Feasibilty Studies

01

Large Scale Projects // City Networks

Erimco has undertaken the design of the infrastructural networks of some cities in Turkey, mainly water distribution and sewerage networks. Grace to software developed, Erimco can provide the analysis of the existing systems together with the design of new implementations. As a result, at the end of the studies, the client has a complete documentation and drawings for the adequate network pipes, the ones to be replaced in time or to be newly added during the Project Design Period (usually 30 years).

İstanbul City Domestic Water Network

Description: Mathematical Model of Istanbul Water Distribution Networks.
Project undertaken by Sogreah – Seyaş – Erimco

Population: 12.000.000

Year: 1984

Job Description: Mathematical model of the main water supply lines and the distribution networks for all pressure zones. The studies served as a basis for SCADA system.

İzmir City Domestic Water Network

Description: Water Distribution Network Design for different pressure zones. Sub Consultant to Su-Yapı

Population: 4.000.000

Year: 1988

Job Description: Final design of water supply system and distribution networks for all pressure zones.

Konya City Domestic Water Network

Description: Domestic Water Network Design for different pressure zones. Sub Consultant to Su-Yapı

Population: 2.200.000

Year: 1987

Job Description: Final design of water supply system and distribution networks for all pressure zones.

Sakarya-Hendek Water Network

Description: Water Supply and Distribution System Design (330 km)

Population: 70.000

Year: 1995

Mersin City Sewerage Network

Description: Sewerage Network Design

Population: 1.700.000

Year: 1989

Bursa City (East Part) Sewerage Network

Description: Sewerage Network Design (East Part of the City) Sub Consultant to Tekfen Co.

Population: 2.200.000

Year: 1993

Elazığ City Sewerage Network

Description: Sewerage Network Design

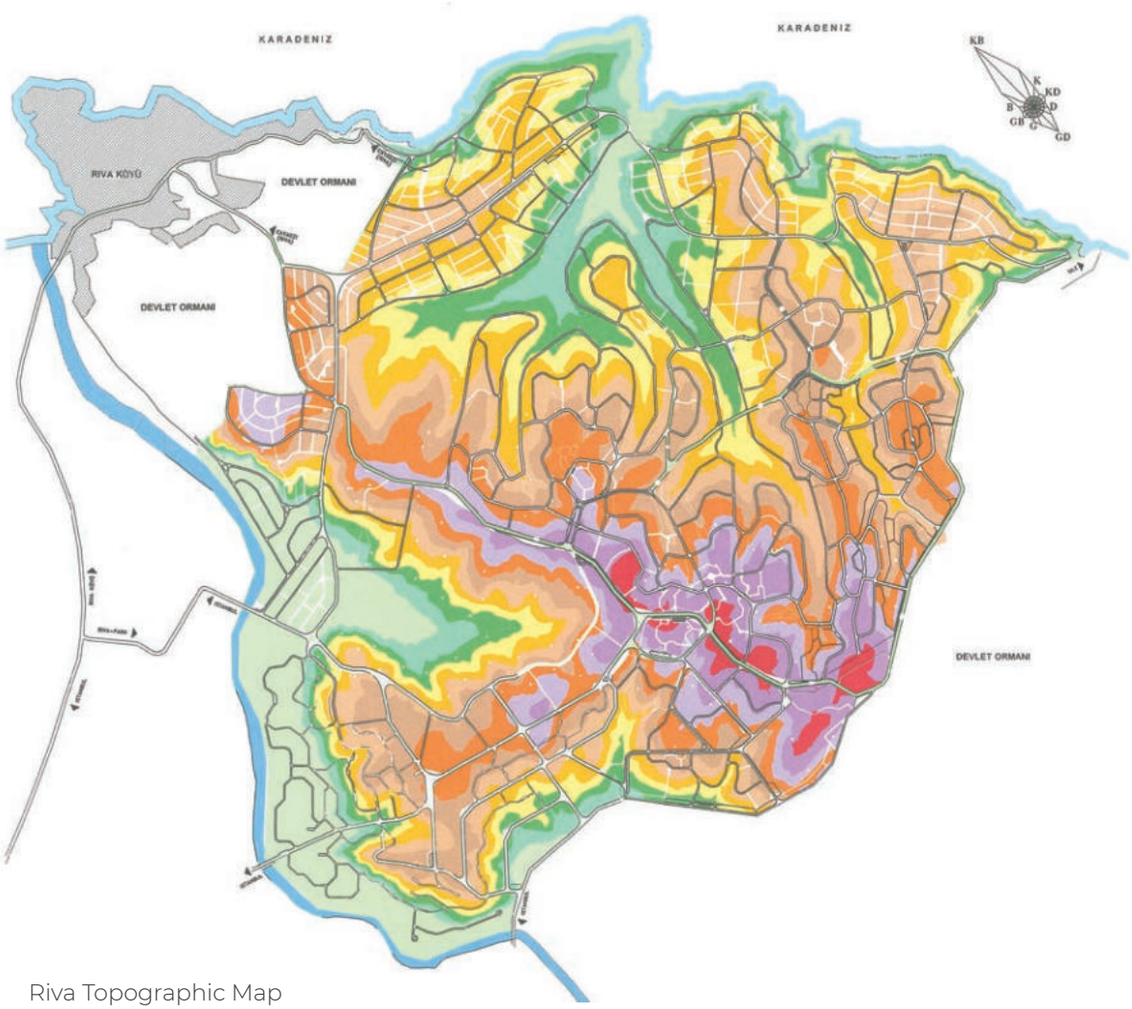
Population: 600.000

Year: 1986

02

New Dwelling Areas

Erimco has undertaken the complete infrastructural designs of the new dwelling areas of different sizes. The design works include the access and internal road design, water supply and distribution networks, sewerage and stormwater networks, external electricity (MV, LV) and telecommunication systems. The studies aim to choosing the most efficient and economical solution for each system and the study of the compatibility of the systems as a whole. The compatibility is provided thru the production of 1/200 scale superimposed plans. In some projects, main irrigation networks and seperate fire hydrant networks were included in design process. The preparation of Bill of Quantities (BOQ) and Technical Specifications are inseparable parts of the design process.



Riva Topographic Map

Riva Area Dwelling Project

Description: Urban Planning for a new area

Location: Black Sea coast of Istanbul // Turkey

Project Area: 16.000.000 m²

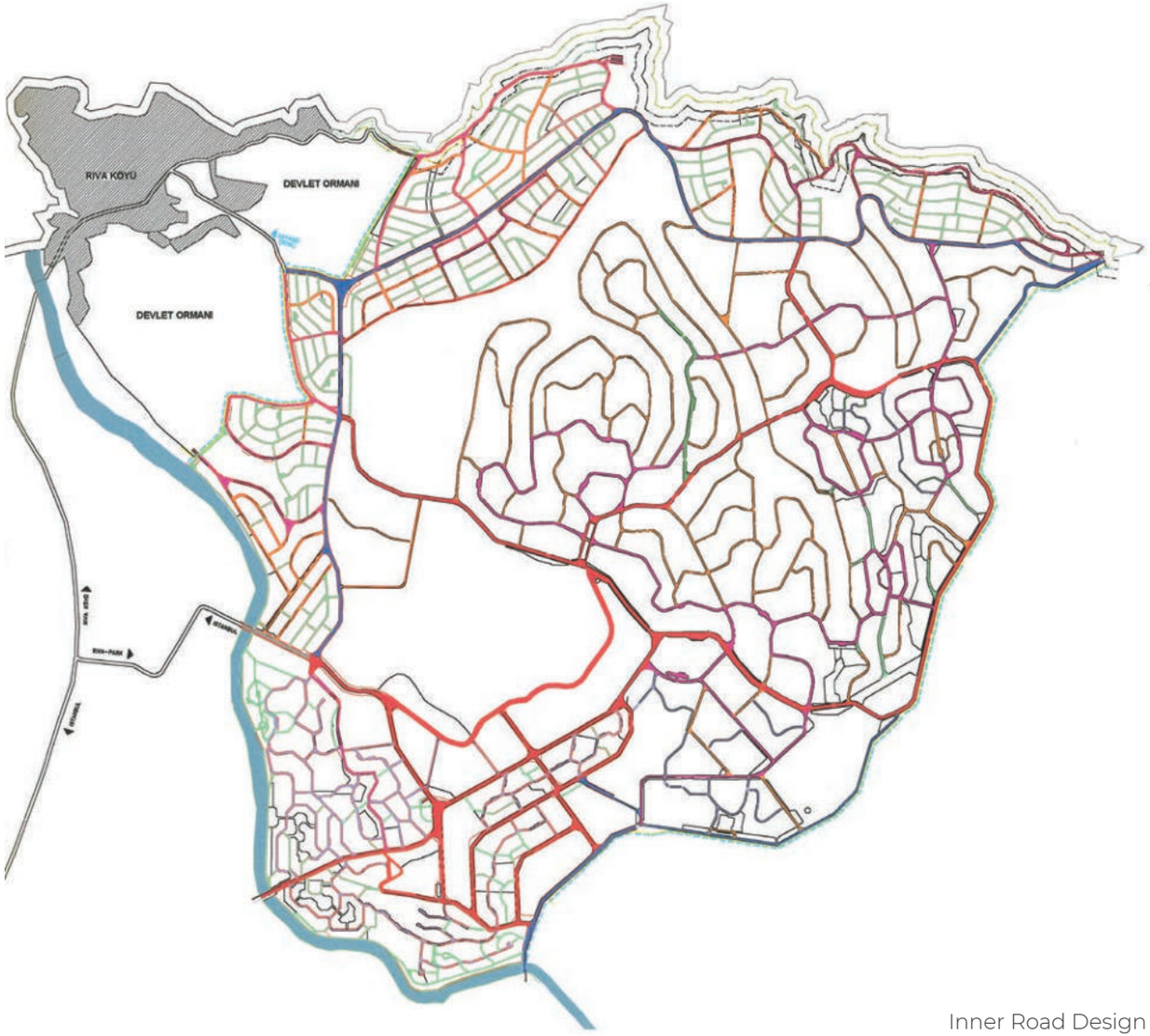
Population: 50.000

Year: 1998

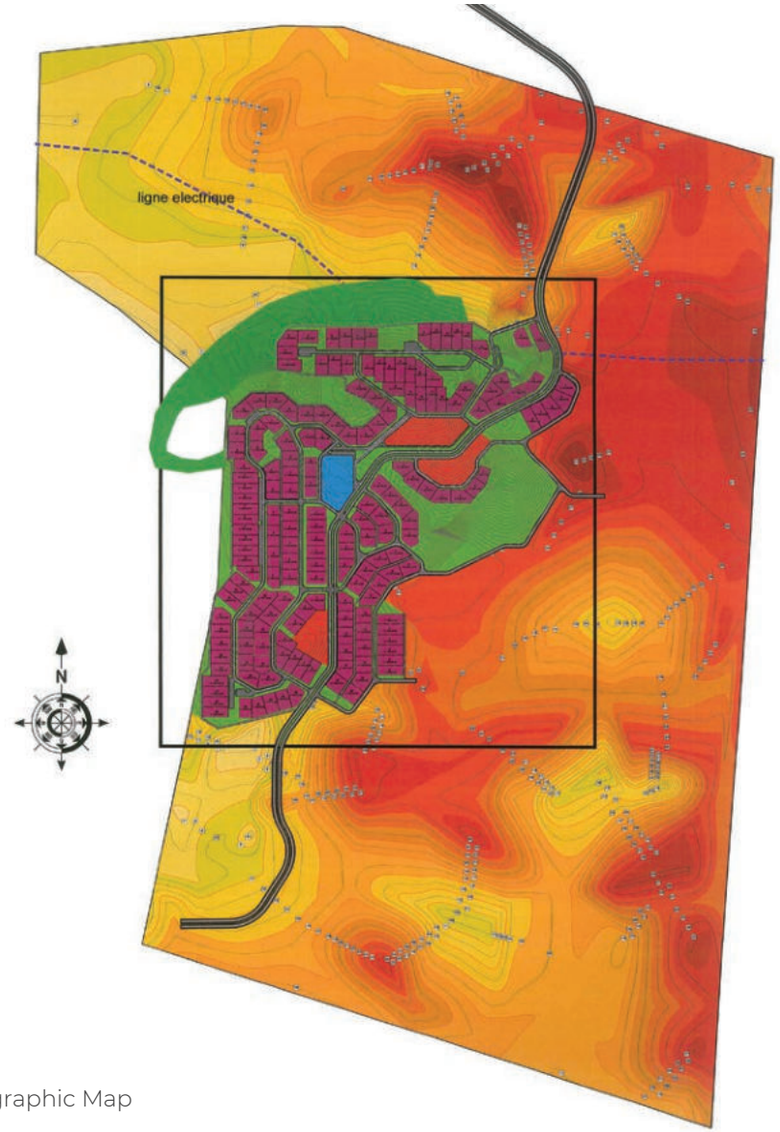
Job Description:
Inner Road Design (170 km),
Domestic Water Network Design,
Sewerage Network Design

Sewerage Network Design

Domestic Water Network Design



Inner Road Design



Bikele Topographic Map

Bikele Urban Project

Description: Urban planning and Infrastructural designs of a new settlement area

Location: Bikele // Libreville // Gabon

Project Area: 2,140,000 m²; 1st Phase: 540,000 m²

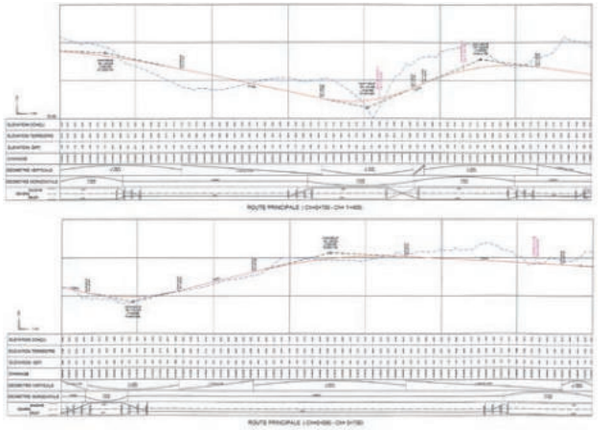
Population: 10,000

Year: 2014

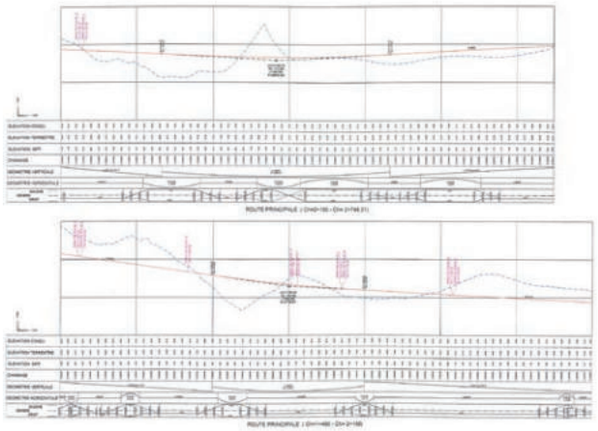
Job Description:
Access and Inner Road Design (1st Phase)
Domestic Water System Preliminary Design (Whole Area)
Domestic Water System Final Design (1st Phase)
Sewerage System Preliminary Design (Whole Area)
Sewerage System Final Design (1st Phase)

Bikele General View

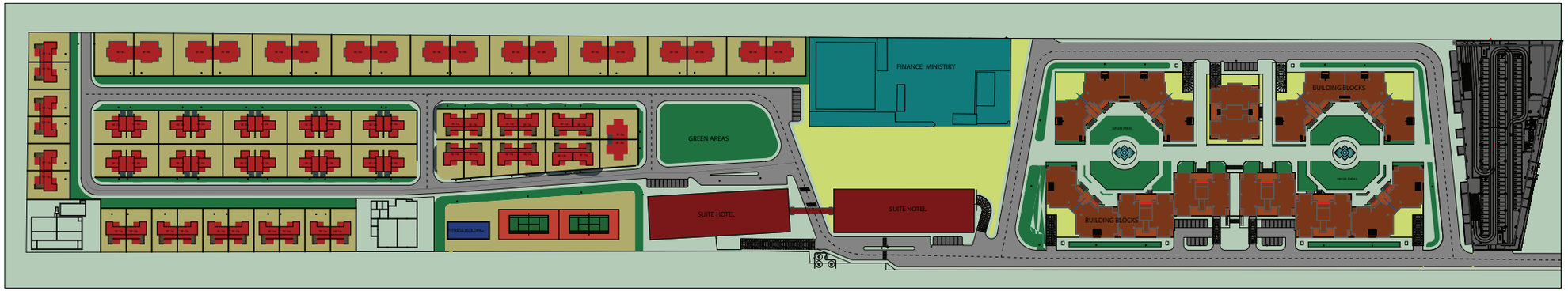
Road Design



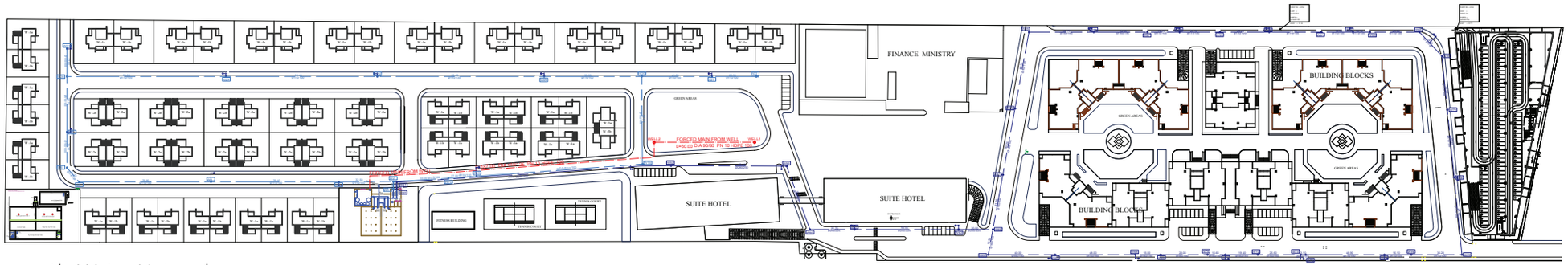
Road Profile View



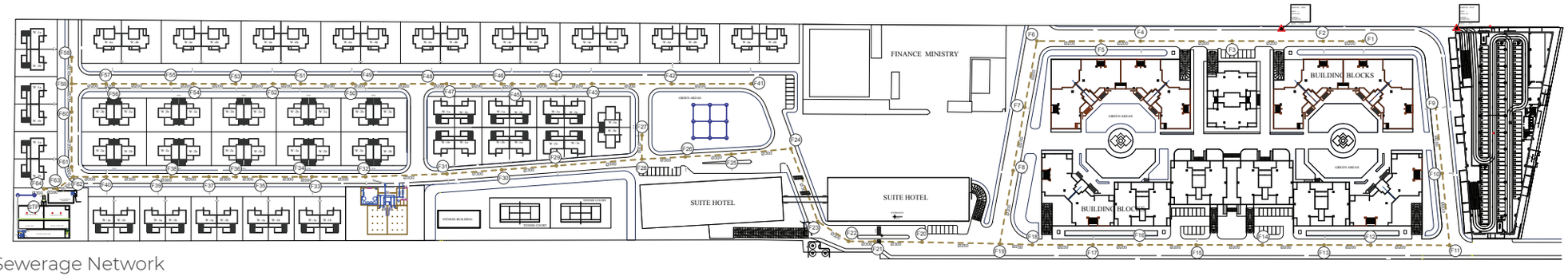
Road Profile View



General View



Domestic Water Network



Sewerage Network

Al-Ghiran South Housing

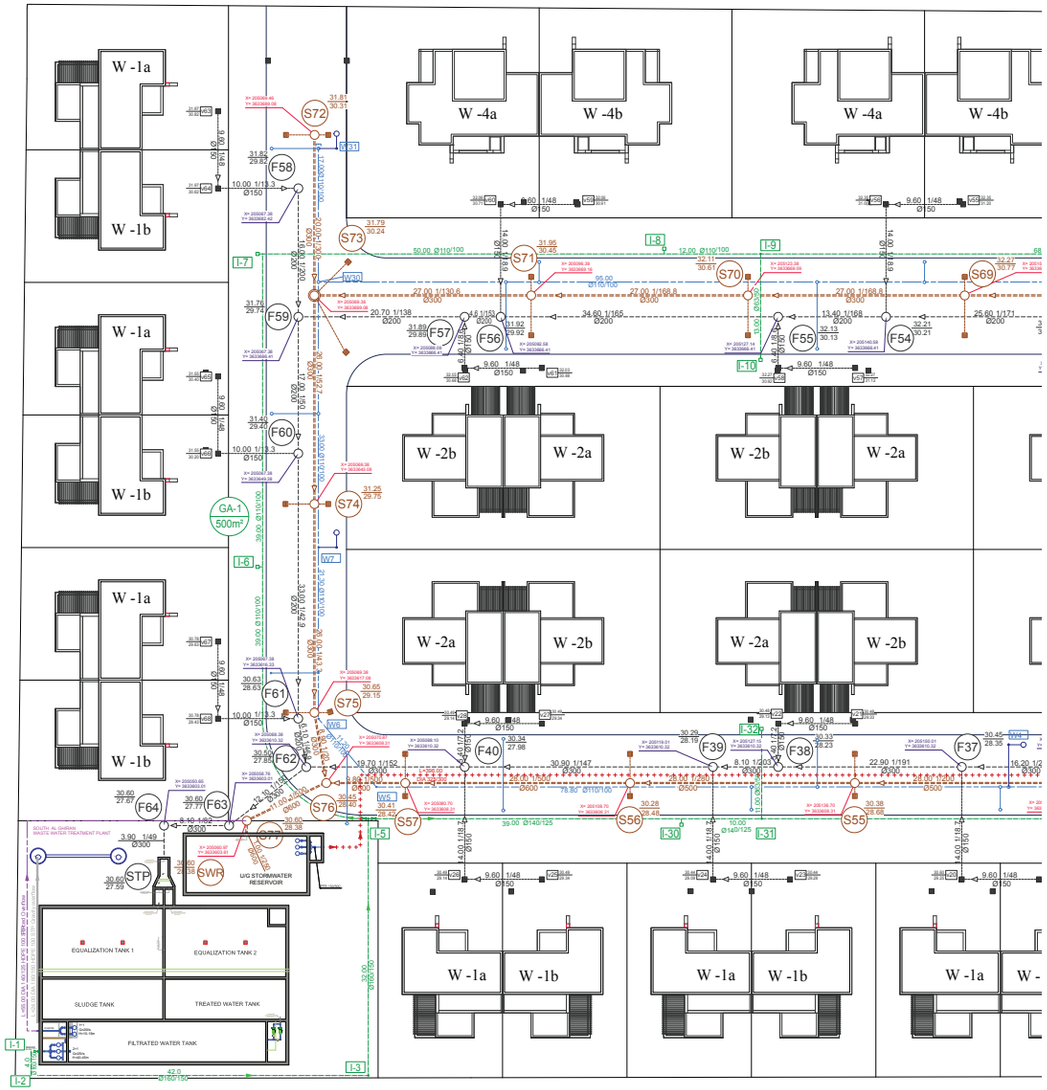
Description: 2 twin apart hotels, 12 residential towers, 83 villas and service buildings

Location: Tripoli // Libya

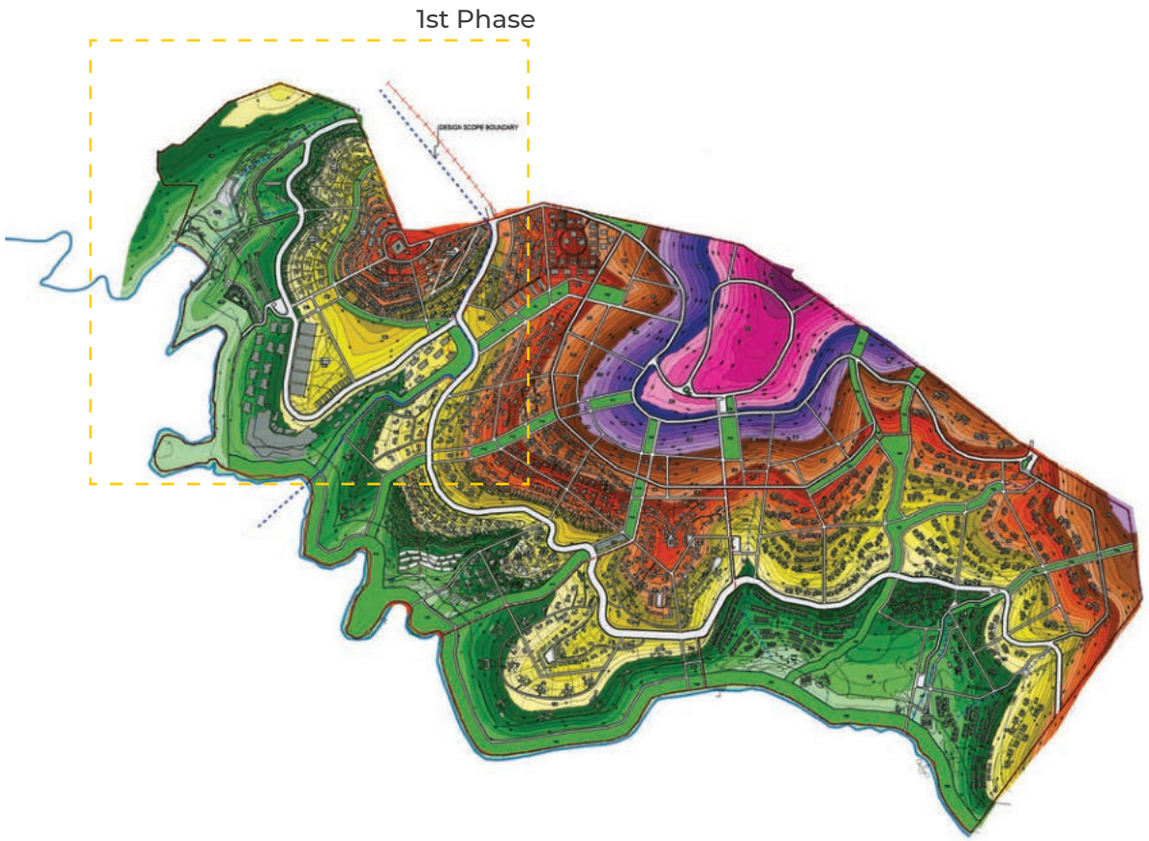
Project Area: 130.000 m²

Year: 2009

Job Description:
Inner Road Design
Domestic Water System Design
Irrigation and Fire Hydrant Systems Design
Sewerage System Design
Stormwater System Design
Sewer Treatment Plant
Clean water Treatment Plant
Electricity and Communication Systems
Preparation of 1/250 Superimposed Application Plans



The First Part of Superimposed Application Plans



Kaplankaya General View

Kaplankaya Dwelling Project

Description: VIP villas and 5-Star Hotels

Location: Between Didim and Bodrum Municipalities of Muğla City, Aegean Sea coast // Turkey

Project Area: 4,843,500 m² // 1st Phase: 1,021,000 m²

Year: 2016

Job Description:
Infrastructural Master Plan Studies (1st Phase)
Detailed final infrastructural design of Town Center, Beach Bay, GM Housing, Club House

Domestic Water System Design
Irrigation and Fire Hydrant Systems Design
Sewerage System Design
Stormwater System Design

Water System Pressure Zones

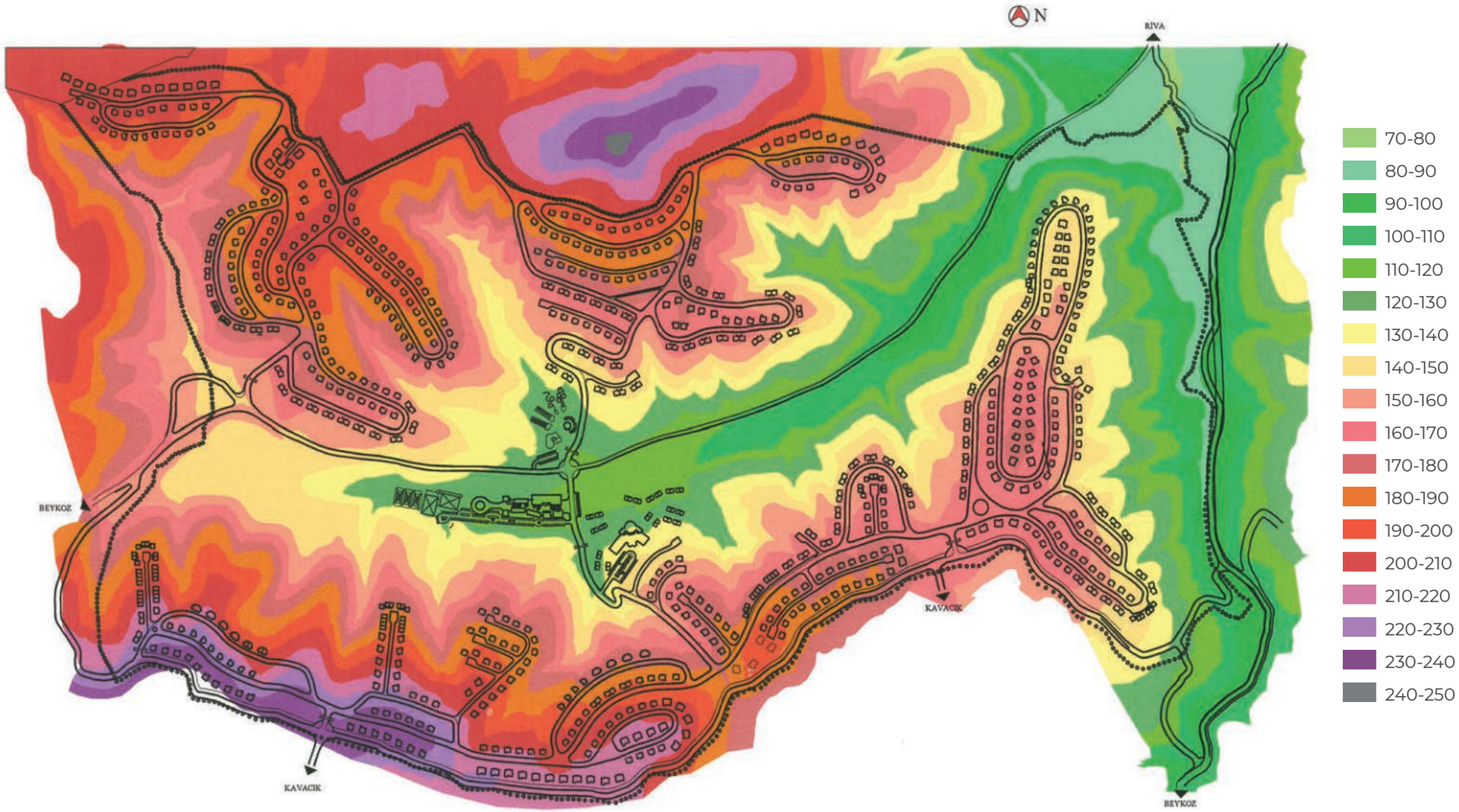
Domestic Water Network Design

Irrigation System Design

Fire Hydrant System Design

Sewerage System Design

Storm Water System Design



Topographic Map

Acaristanbul Housing Project

Description: 833 villas of 9 different types, service buildings, swimming pools and sport facilities

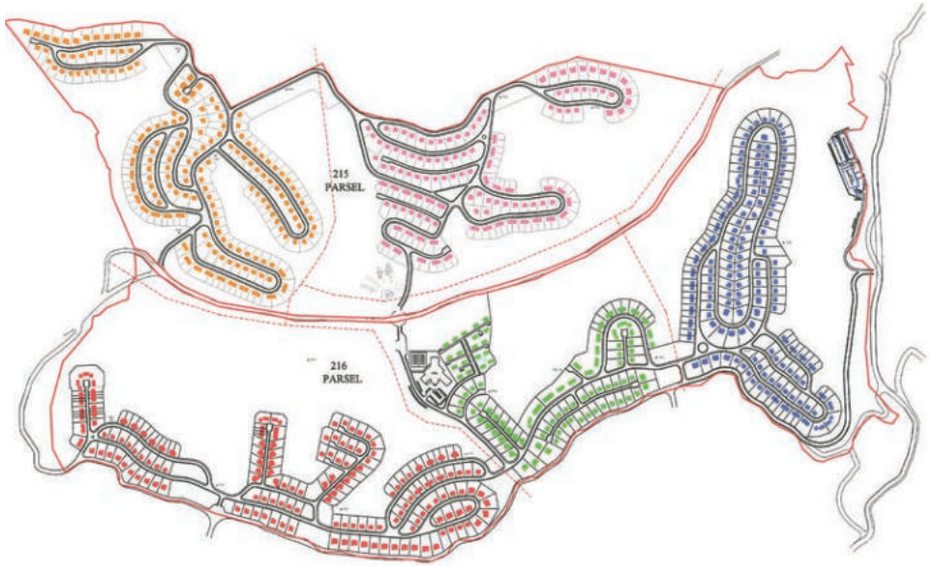
Location: Istanbul // Turkey

Project Area: 2.350.000 m²

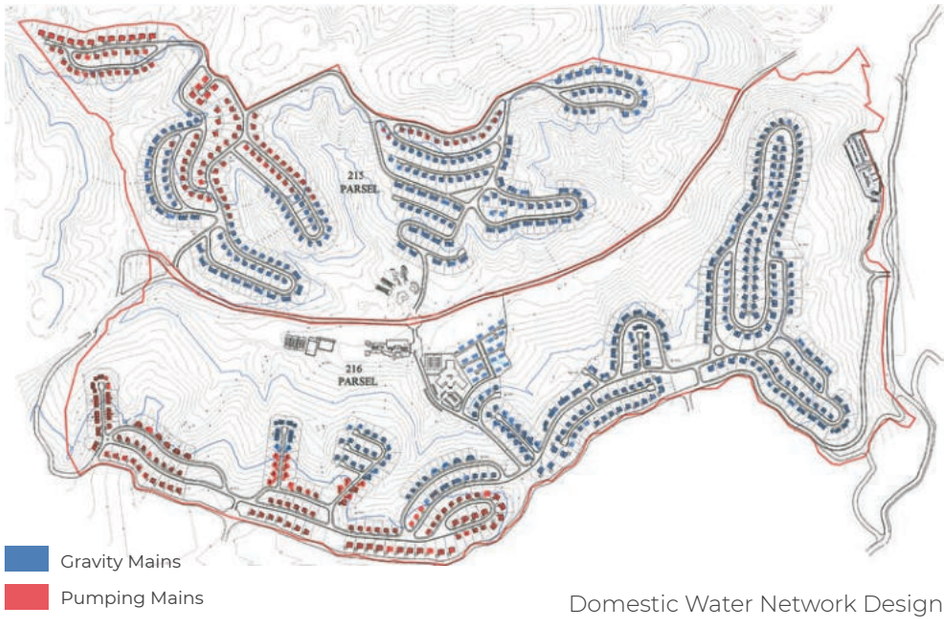
Population: 5,000

Year: 2007

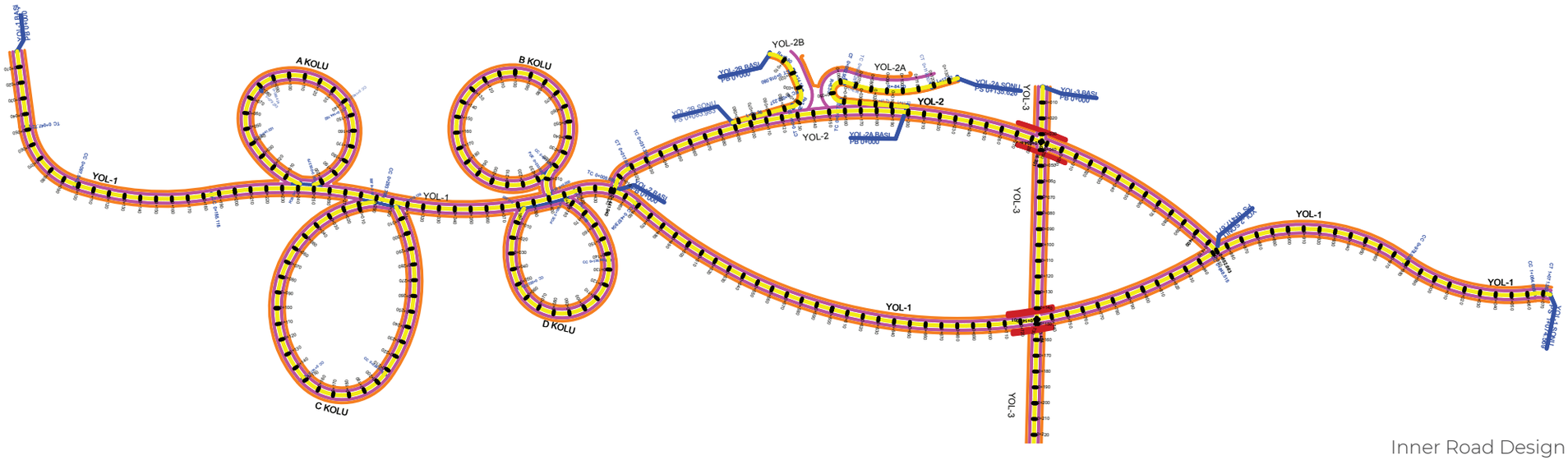
Job Description:
Inner Road Design (20 km),
Domestic Water Network Design(Irrigation Water System, Fire Hydrant System)(20 km),
Sewerage Network Design (25 km),
Storm-water System Design (17 km),
Sewer Treatment Plant,
Electricity and Communication Systems,
Preparation of 1/250 Superimposed Application Plans.



Inner Road Design

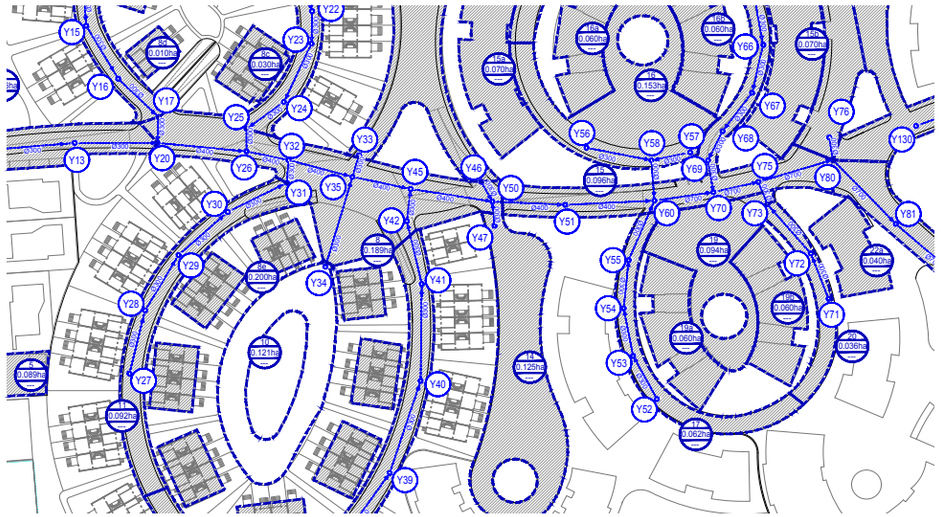


Domestic Water Network Design



Inner Road Design

Part of a Sewerage System Design



Part of a Storm-water System Design

Rings İstanbul Project

Description: 499 residential units ranging between 35 m² and 400 m², and a shopping mall project

Architect: Hakan Kıran Mimarlık, İstanbul

Location: Istanbul // Turkey

Project Area: 353.000 m²

Population: 2,000

Year: 2011

Job Description:
Inner Road Design,
Domestic Water Network Design
Irrigation Water System,
Fire Hydrant System,
Sewerage Network Design,
Storm-water System Design,
Natural Gas Distribution System Design,
Preparation of 1/250 Superimposed Application Plans.

Pelican Hill Mansions

Description: Infrastructre design of 711 mansions, Service and Sport facilities

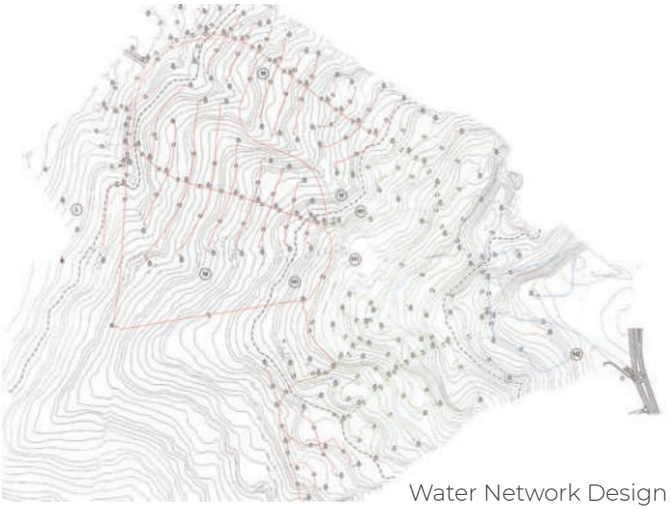
Location: Istanbul // Turkey

Project Area: 2.061.000 m²

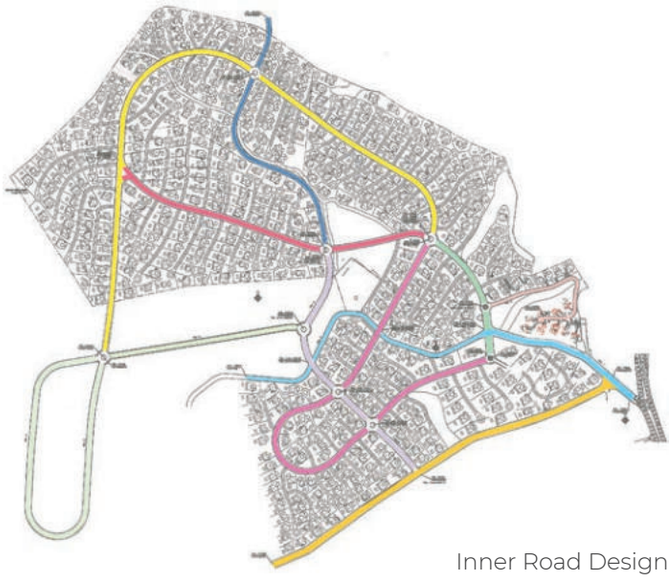
Population: 3,000

Year: 2007

Job Description:
Inner Road Design (40 km),
Domestic Water Network Design (30 km),
Irrigation Water System (27 km),
Fire Hydrant System,
Sewerage Network Design (31 km),
Storm-water System Design (31 km),
Natural Gas Distribution System (27 km),
Sewer Treatment Plant,
Electricity and Communication Systems,
Preparation of 1/250 Superimposed Application Plans.



Water Network Design



Inner Road Design

Part of a 1/250 Superimposed Plans

Kumköy Houses Dwelling

Description: 6 types of villas, 4 types of flat units, altogether 219 units, service and sports facilities

Architect: Cemal Mutlu Mimarlık

Location: Istanbul // Turkey

Project Area: 274,000

Population: 800

Year: 2000

Job Description:
Inner Road Design,
Domestic Water Network Design,
Irrigation Water System,
Sewerage Network Design,
Storm-water System Design,
Electricity and Communication Systems.

Alarko-Alkent 2000 Dwelling

Description: 287 villas and service buildings

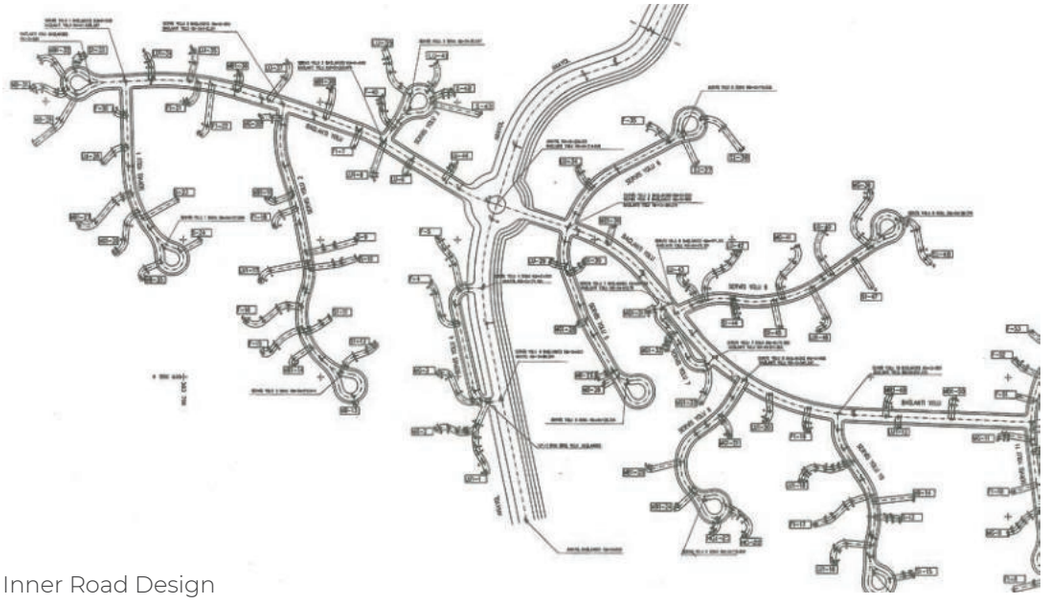
Location: Istanbul // Turkey

Project Area: 1.000.000 m²

Population: 1000

Year: 1998

Job Description:
Inner Road Design,
Domestic Water Network Design,
Irrigation Water System,
Sewerage Network Design,
Storm-water System Design,
Electricity and Communication Systems.



Inner Road Design

Akkoza Residences

Description: Residential units ranging between 60-560 m², and a Shopping Mall

Location: İstanbul // Turkey

Project Area: 450,000 m²

Year: 2008

Job Description:
Inner Road Design,
Domestic Water Network Design,
Irrigation Water System,
Fire Hydrant System,
Sewerage Network Design,
Storm-water System Design,
Electricity and Communication Systems,
Preparation of 1/250 Superimposed Application Plans.

Amburan Mansions

Description: 6 VIP Mansions

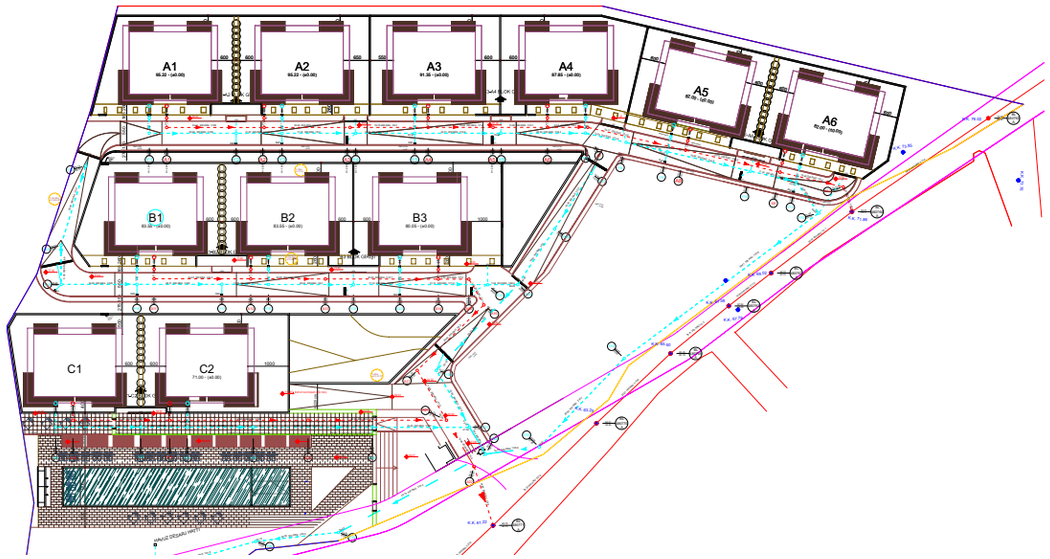
Architect: Erginoğlu-Çalışlar Mimarlık

Location: Baku // Azerbaijan

Project Area: 65.000 m²

Year: 2014

Job Description:
Inner Road Design,
Domestic Water Network Design,
Irrigation Water System,
Fire Hydrant System,
Sewerage Network Design,
Storm-water System Design.



General Plan

Yoo İstanbul Residences

Description: 11 blocks, high-end residential & penthouse units

Architect: Philippe Starck/ Say Yapı

Location: İstanbul // Turkey

Project Area: 22.000 m²

Year: 2015

Job Description:
Inner Road Design,
Domestic Water Network Design,
Fire Hydrant System Design,
Sewerage System Design,
Stormwater System Design,
Preparation of 1/200 Superimposed Application Plans.

Ege Yapı Yedikule Houses

Description:

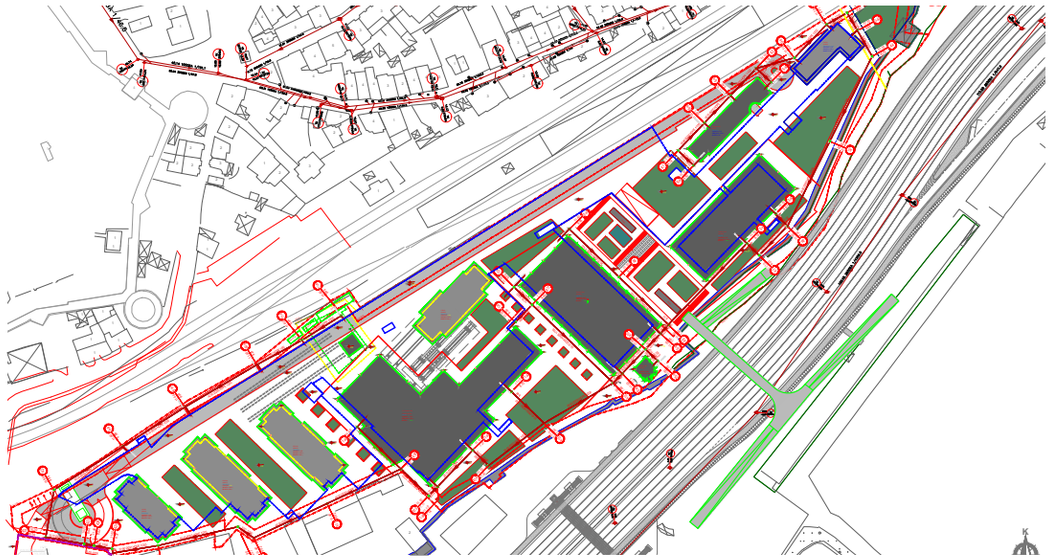
Architect: Özgüven Mimarlık

Location: İstanbul // Turkey

Project Area: 30.700 m²

Year: 2017

Job Description:
Domestic Water Network Design,
Sewerage System Design,
Stormwater System Design,
Preparation of 1/200 Superimposed Application Plans.



Sewerage System Application Plan

03

Miscellaneous Projects

This section covers the Consultancy and designs for specific construction projects such as; Airports, Hospitals, High School & University Campuses, Industrial Areas, Railroad Maintenance Areas, Shopping Malls, High-Rise buildings etc.

İstanbul 3rd International Airport

Description: World's largest airport

Client: AECOM Turkey

Location: Istanbul // Turkey

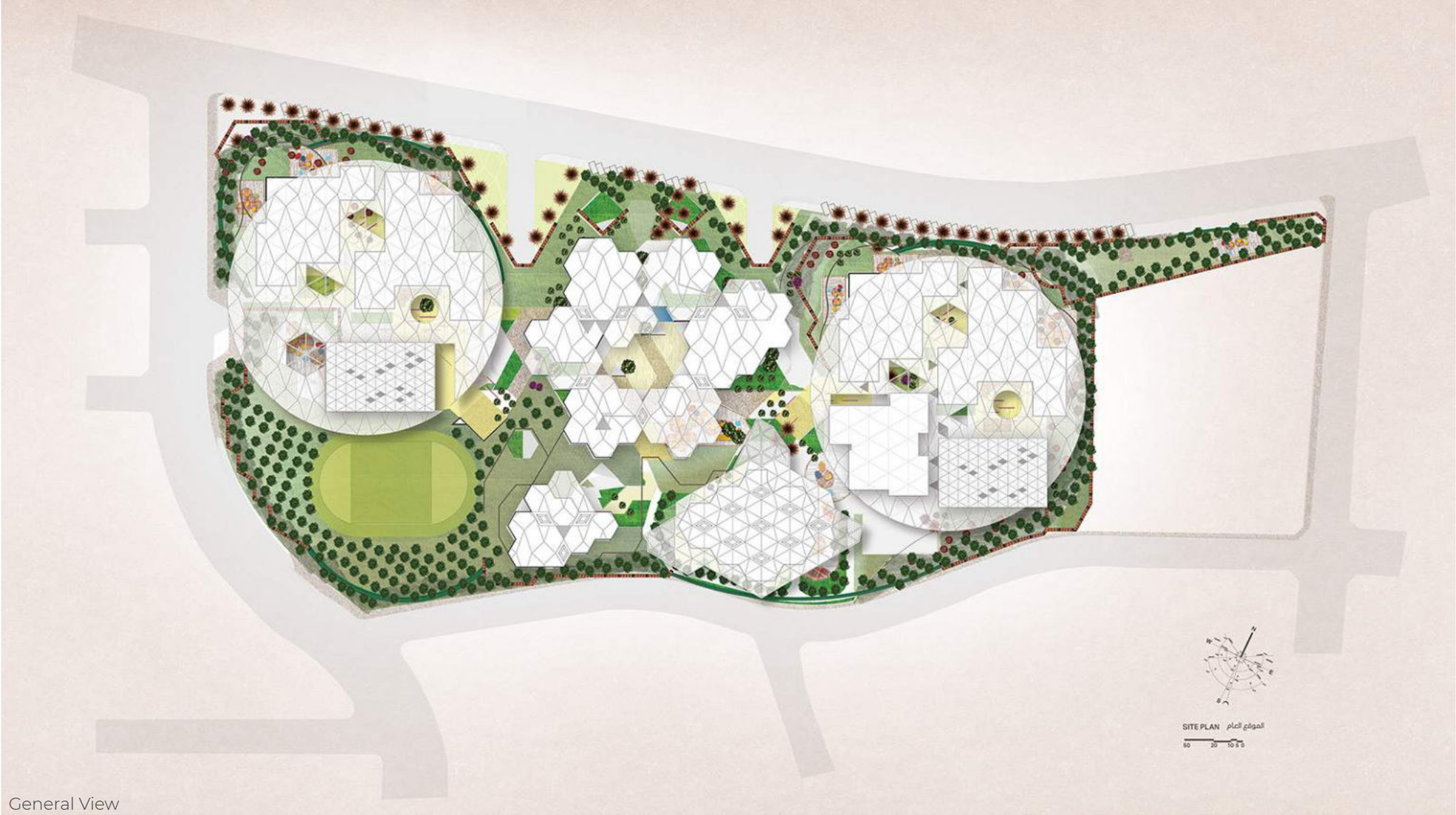
Project Area: 76,500,000 m²

Year: 2017

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy

–in cooperation with INTAC A.Ş.



General View

MADAC // K12 and Community Center

Description: Preliminary and high school campus for boys and girls

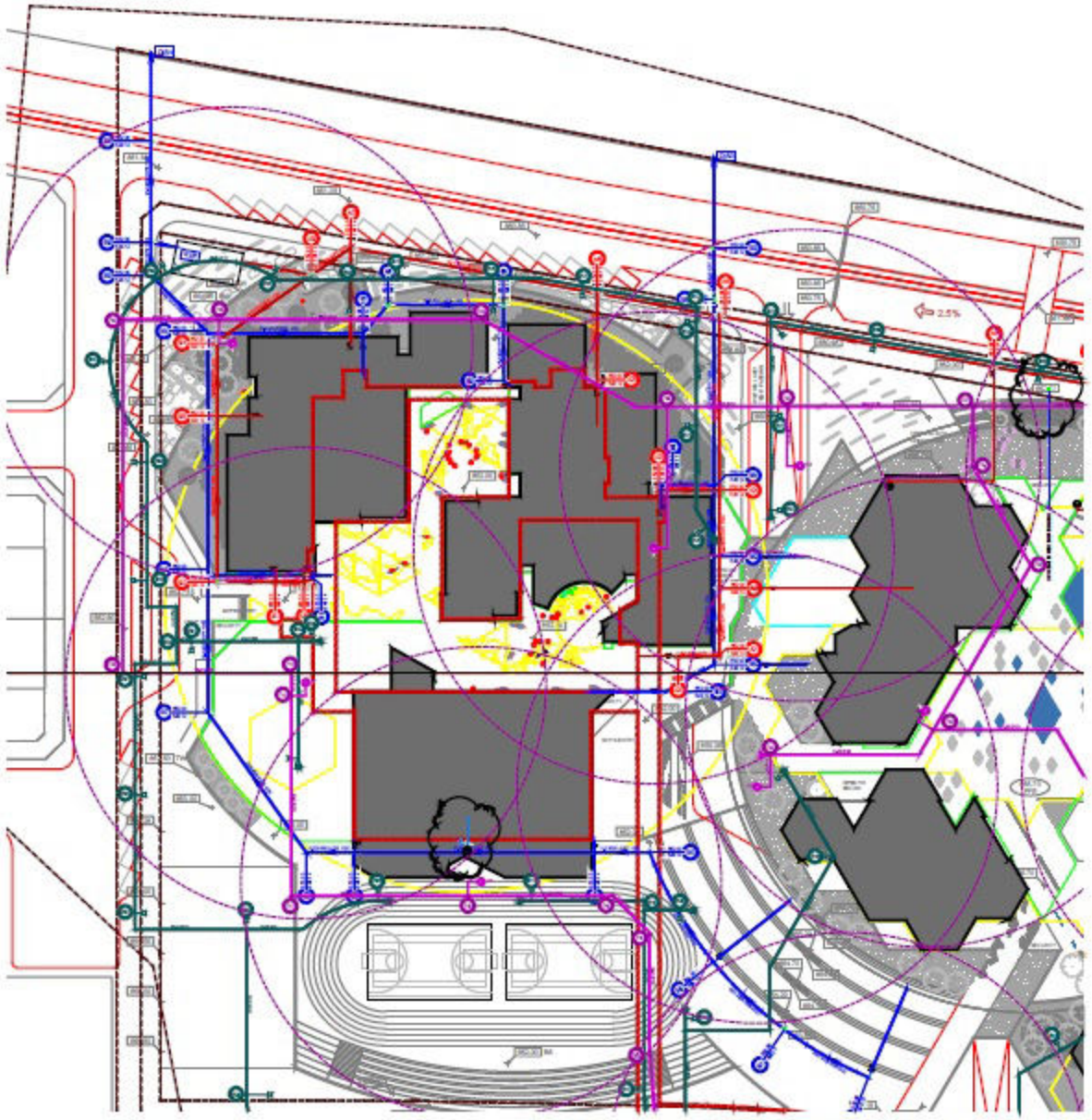
Location: Medinah // Saudia Arabia

Project Area: 80.000 m²

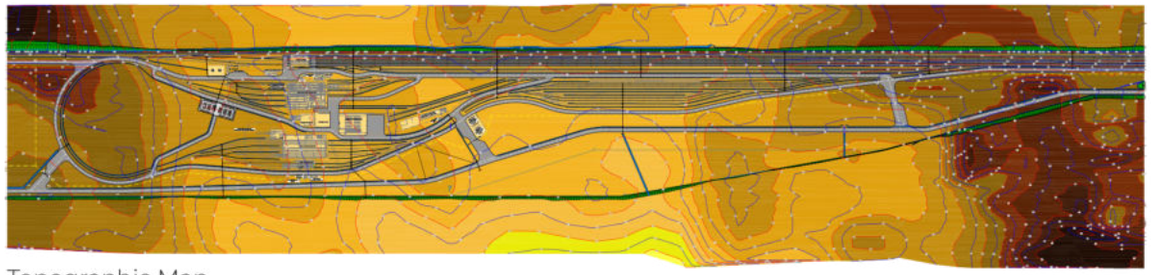
Year: 2017

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy



Part of a 1/200 Superimposed Application Plans



Topographic Map

General View

Al-Nariyah Train Workshop Area

Description: Railways & trains repair and maintenance workshops

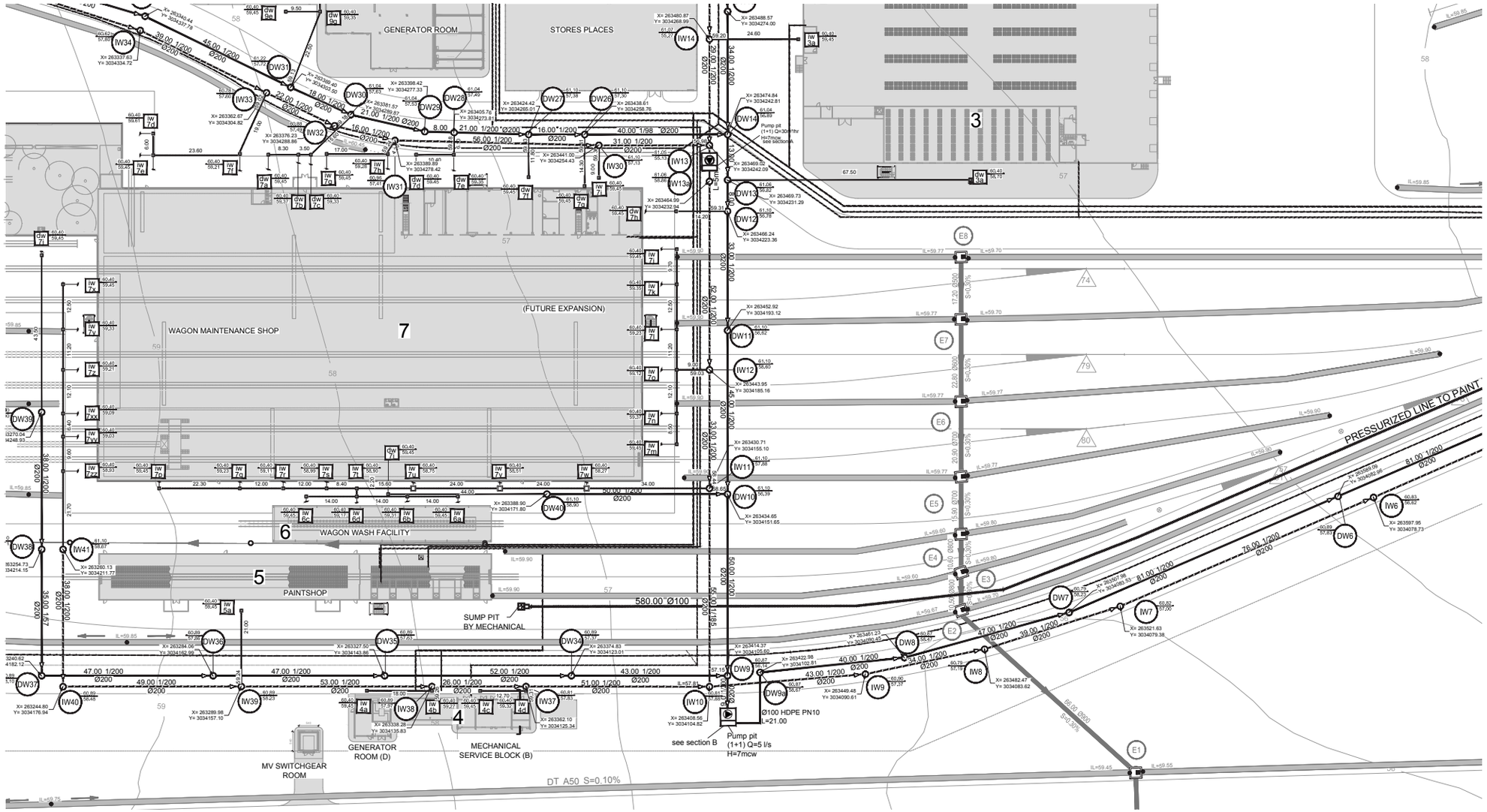
Location: Al Nariyah // Saudia Arabia

Project Area: 2.500.000 m²

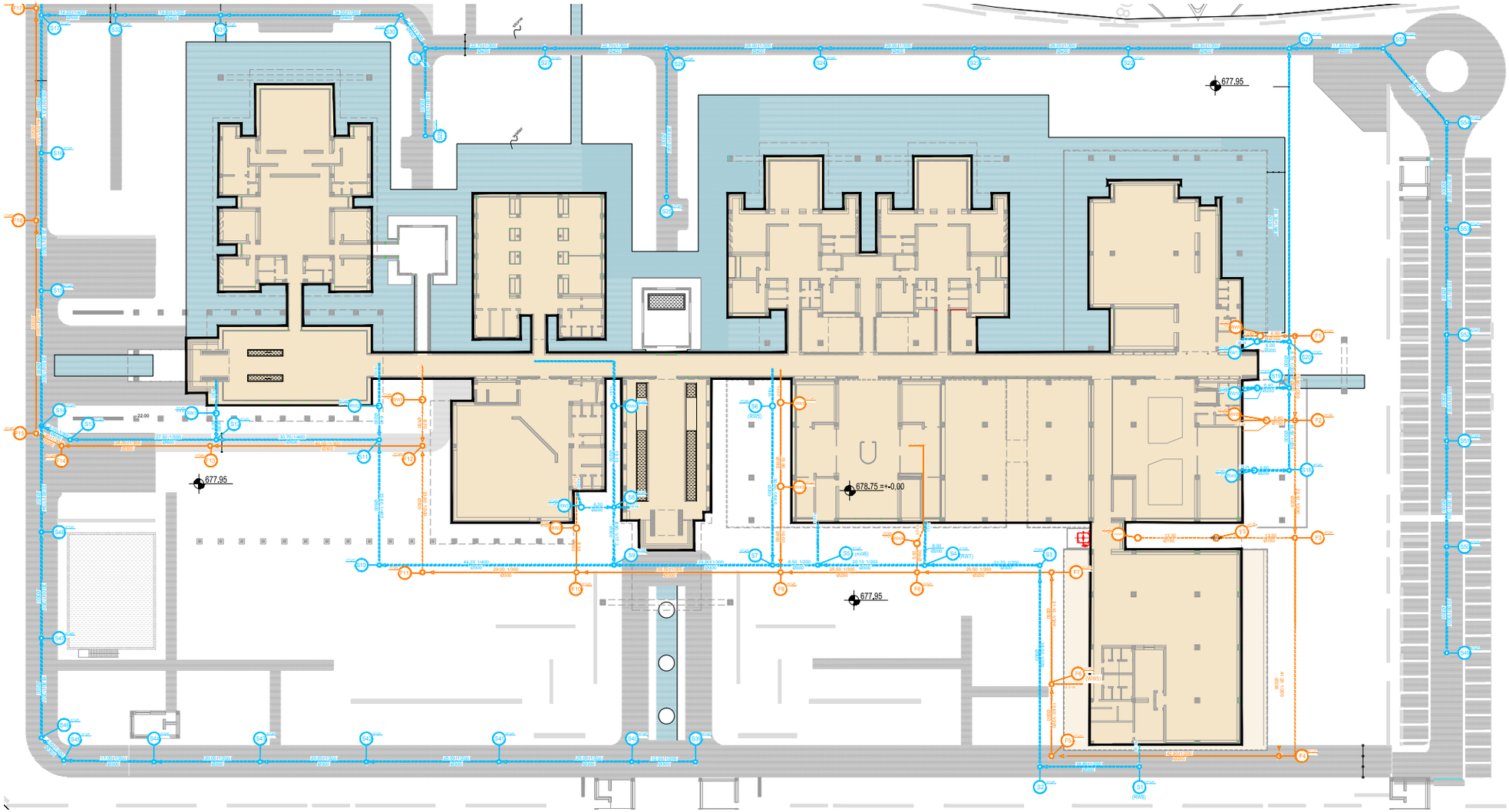
Year: 2013

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy



Part of a 1/200 Superimposed Plans



Superimposed Application Plan

Al-Hokair Headquarters Office Buildings

Description:

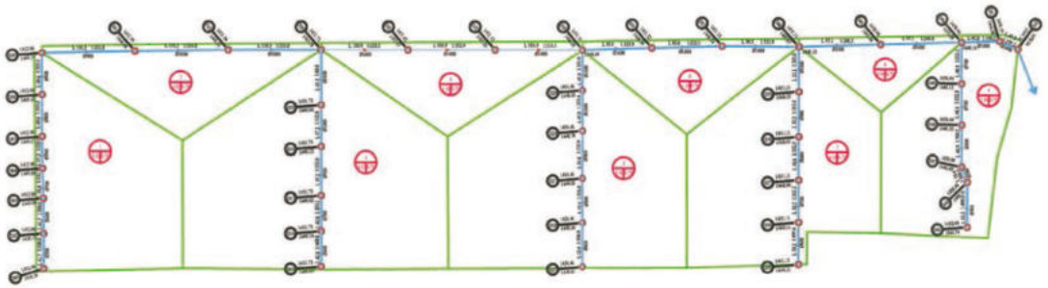
Location: Riyadh // Saudia Arabia

Project Area:

Year: 2015

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy



Bagram Air-Force Base

Description: Air-Force Base

Location: Bagram // Afghanistan

Project Area: 6,000,000 m²

Year: 2009

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy

Shatt Al-Arab Hospital

Description: 400 beds hospital

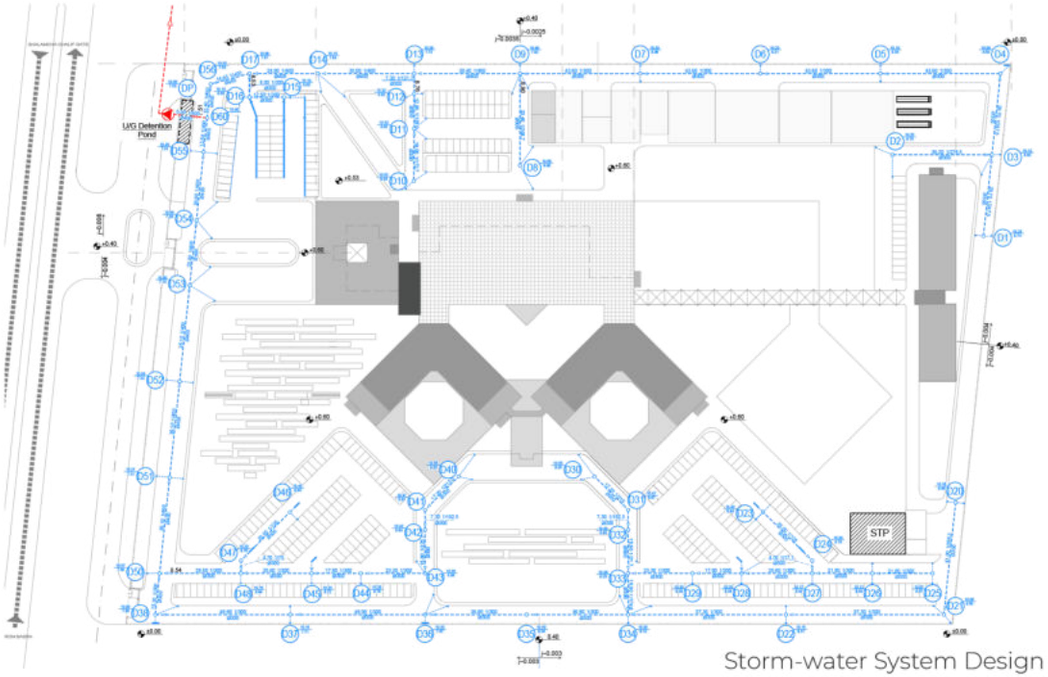
Location: Basrah/Iraq

Project Area: 120,000 m²

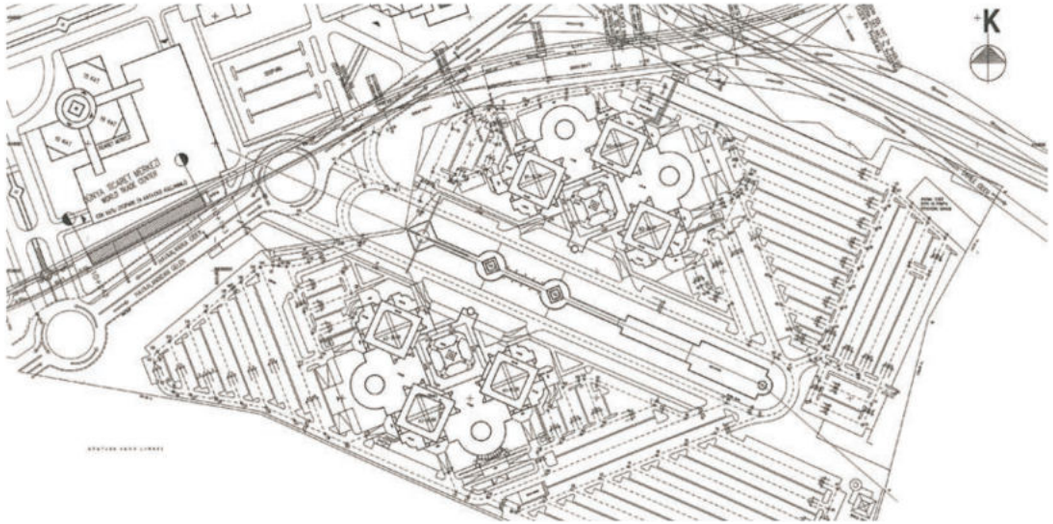
Year: 2012

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy



Storm-water System Design



Inner Road Design

Egs Business Park

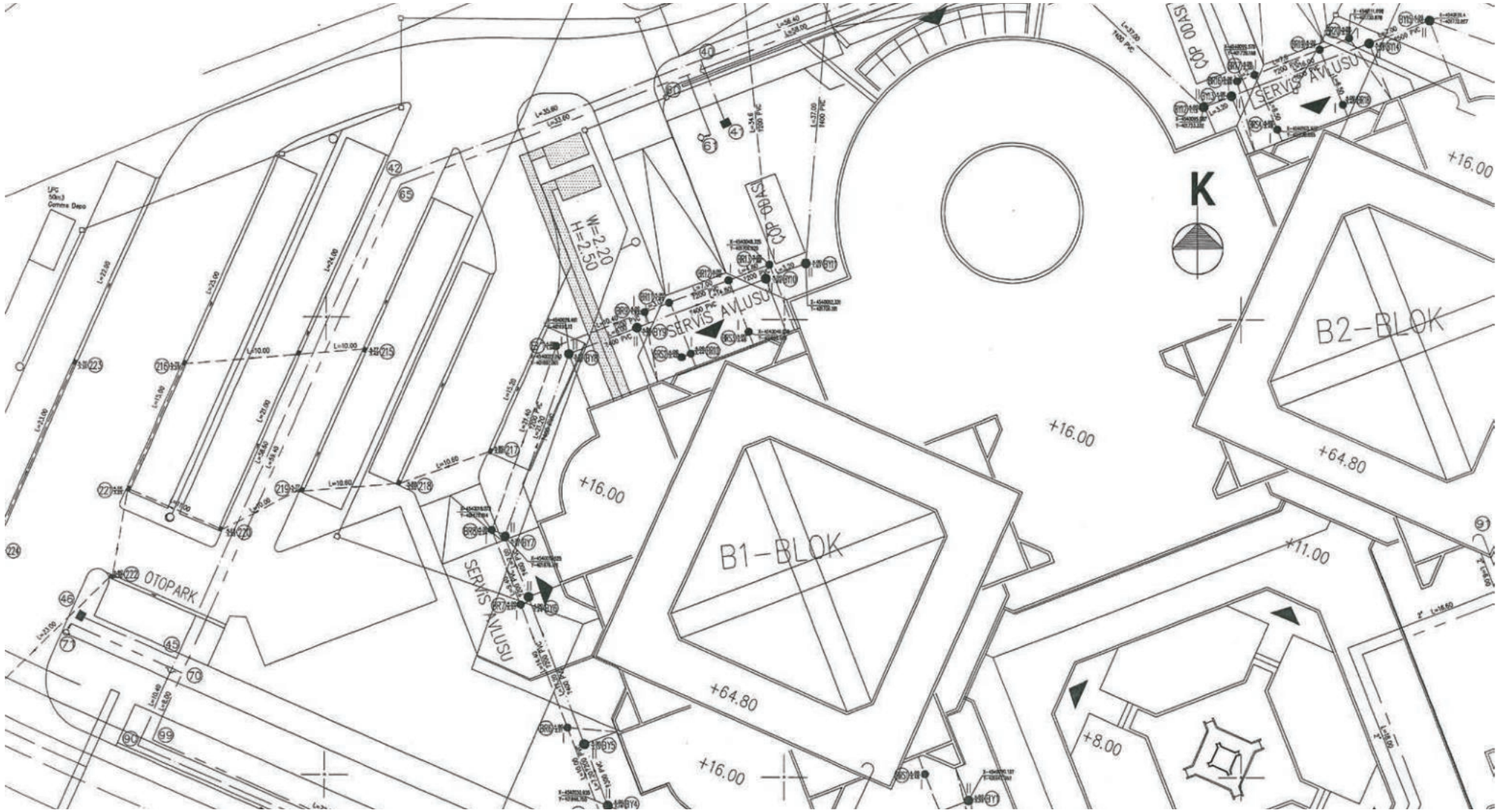
Location: İstanbul // Turkey

Project Area: 203.000 m²

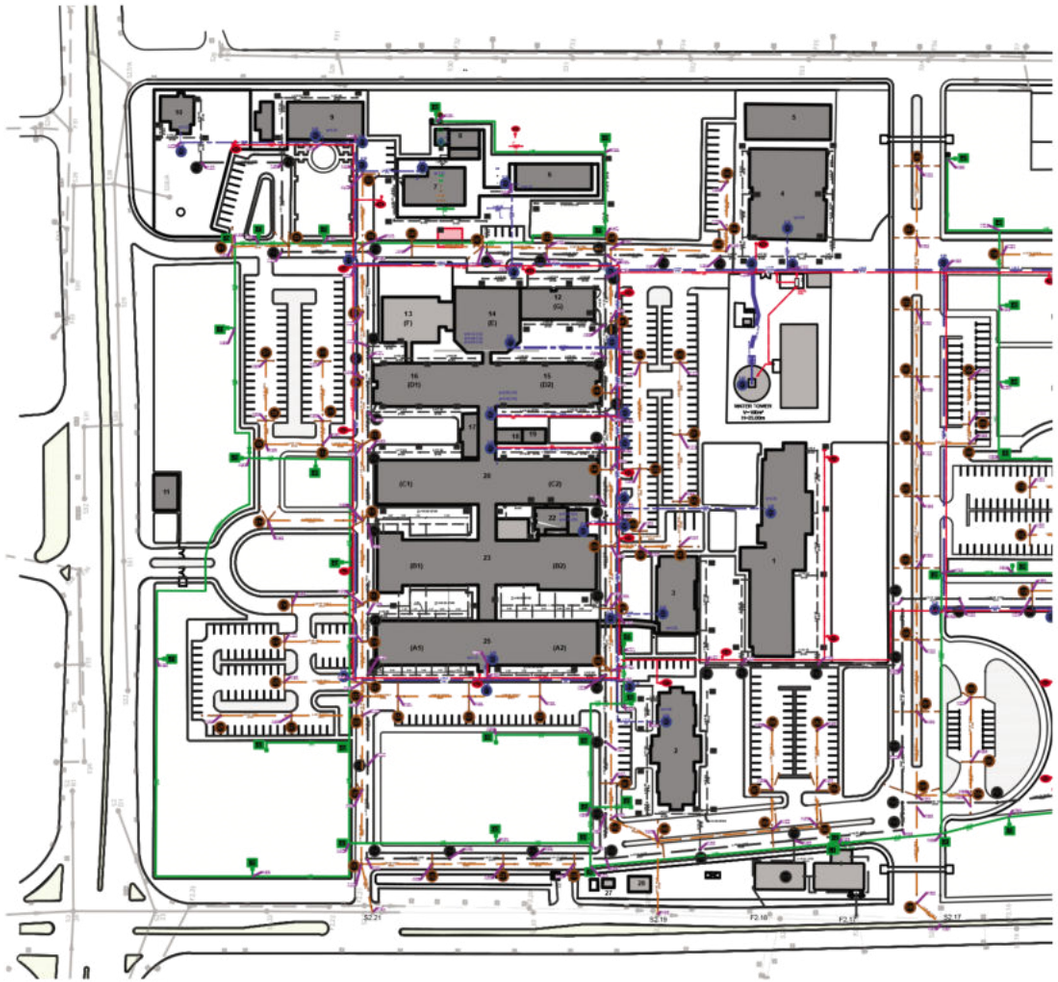
Year: 1999

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy



1/250 Superimposed Application Plan



Misrata Hospital Superimposed Plan

Misrata Central Hospital

Description:

Location: Misrata // Libya

Project Area: 200.000 m²

Year: 2009

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy

Tarlabaşı 360 Urban Renovation Project

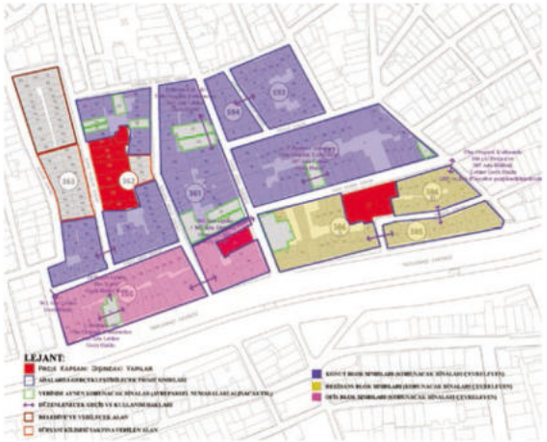
Location: İstanbul // Turkey

Year: 2014

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy

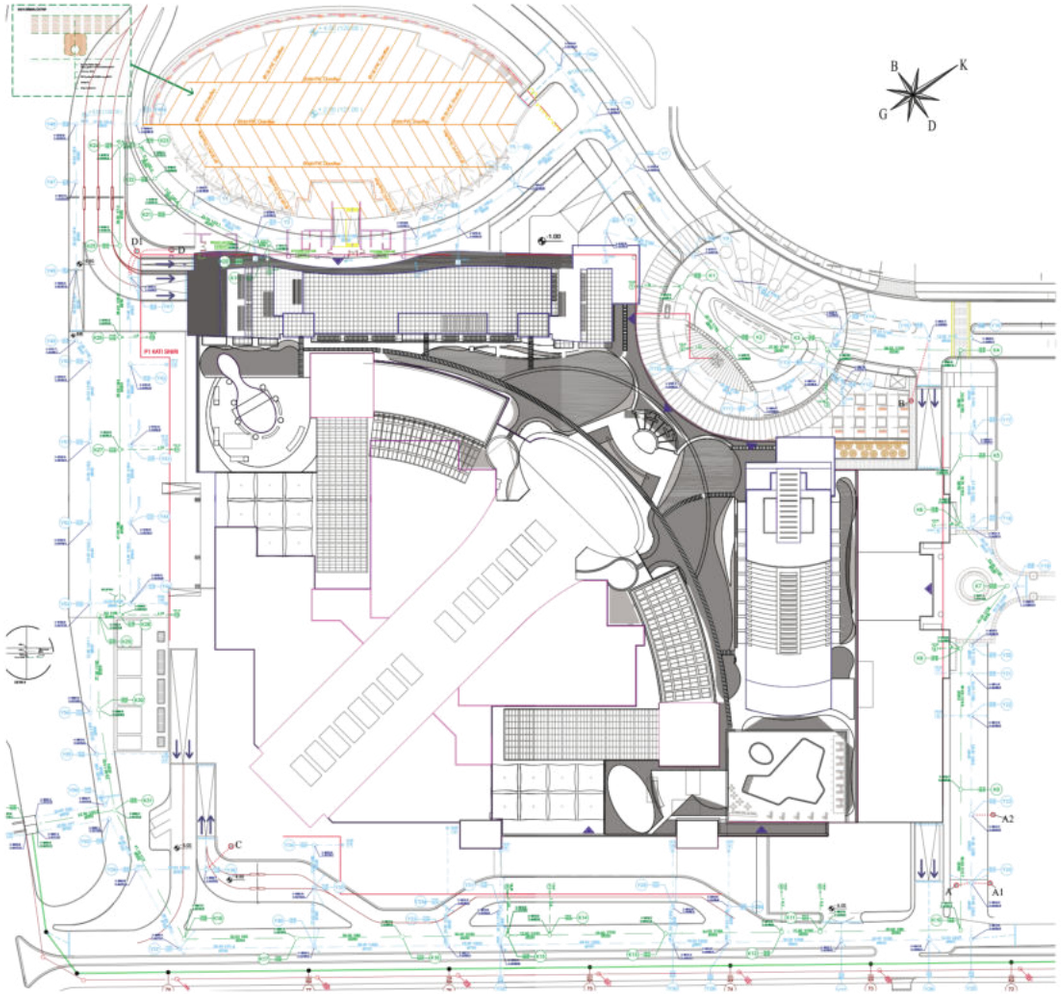
Tarlabaşı Plan



Tarlabaşı Renovation Plan

Tarlabaşı Before Renovation

Tarlabaşı After Renovation



1/250 Superimposed Application Plan

Akbatı Shopping Mall

Description: Shopping mall

Location: İstanbul // Turkey

Project Area: 242.000 m²

Year: 2010

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy

Soyak Crystal Tower

Description: High-rise office building

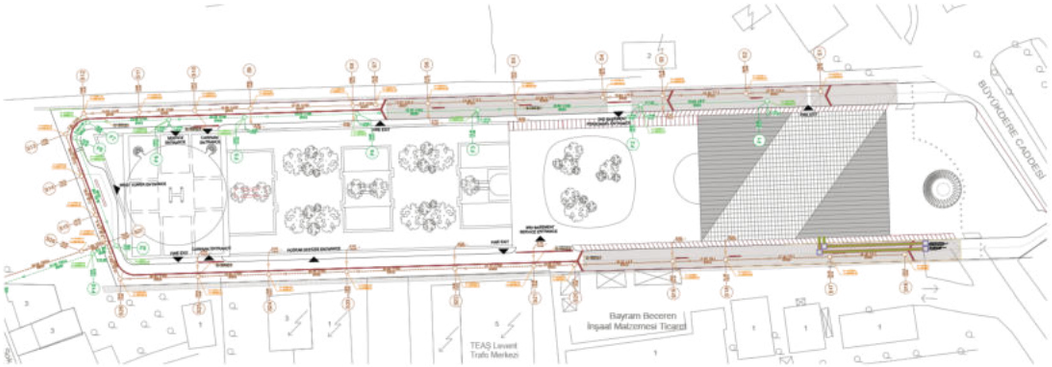
Location: İstanbul // Turkey

Project Area: 9.000 m²

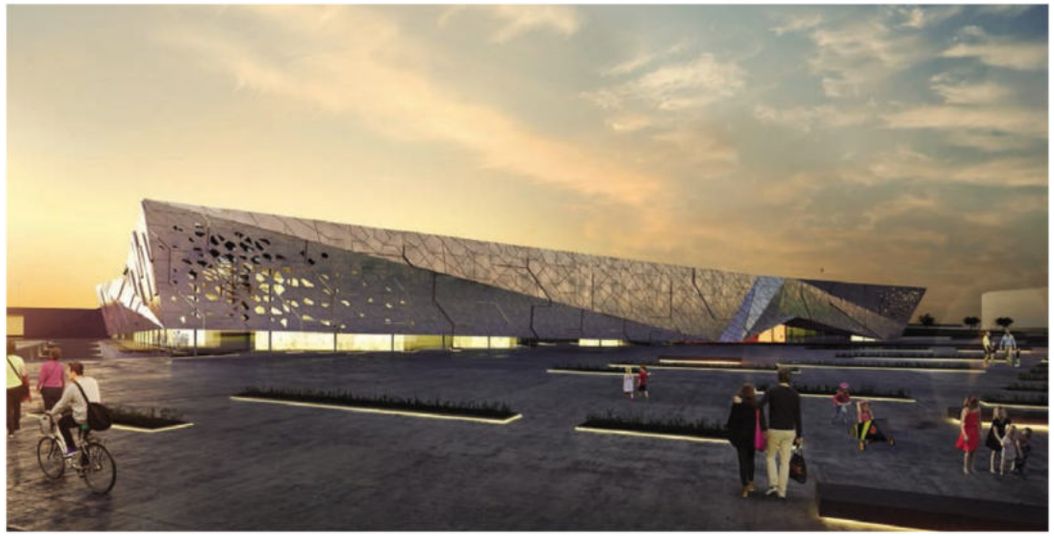
Year: 2013

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy



1/250 Superimposed Application Plan



Topkapı City Museum

Description: Museum

Architect: Alper Derinboğaz, Salon Mimarlık

Location: İstanbul // Turkey

Project Area: 32.000 m²

Year: 2015

Job Description:

Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy

Expo 2020 Fair Area

Description: Preliminary architectural & engineering studies for Expo 2020 fair area

Architect: Zaha Hadid Architects, Erginoğlu Çalışlar Mimarlık

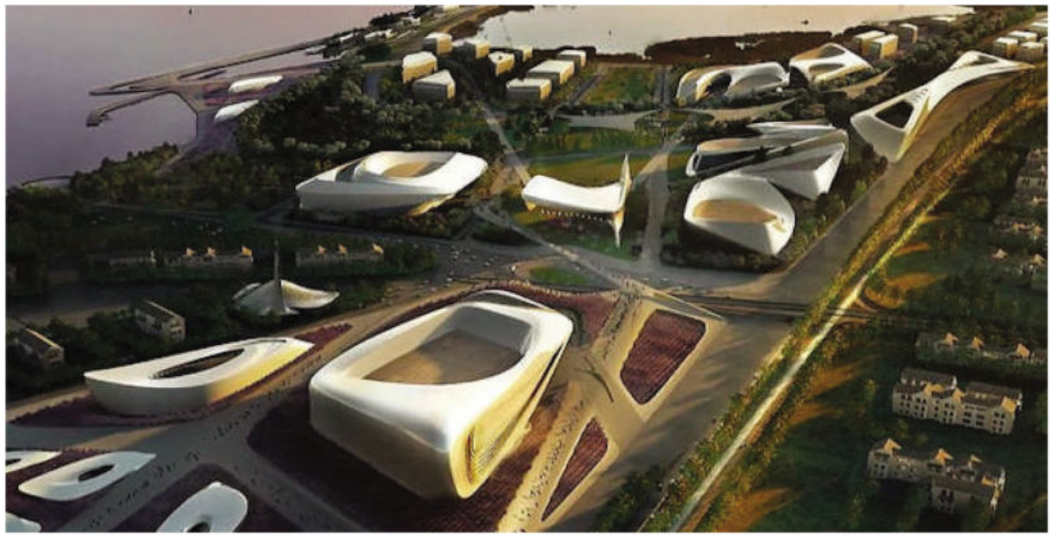
Location: İzmir // Turkey

Project Area: 1.800.000 m²

Year: 2013

Job Description:

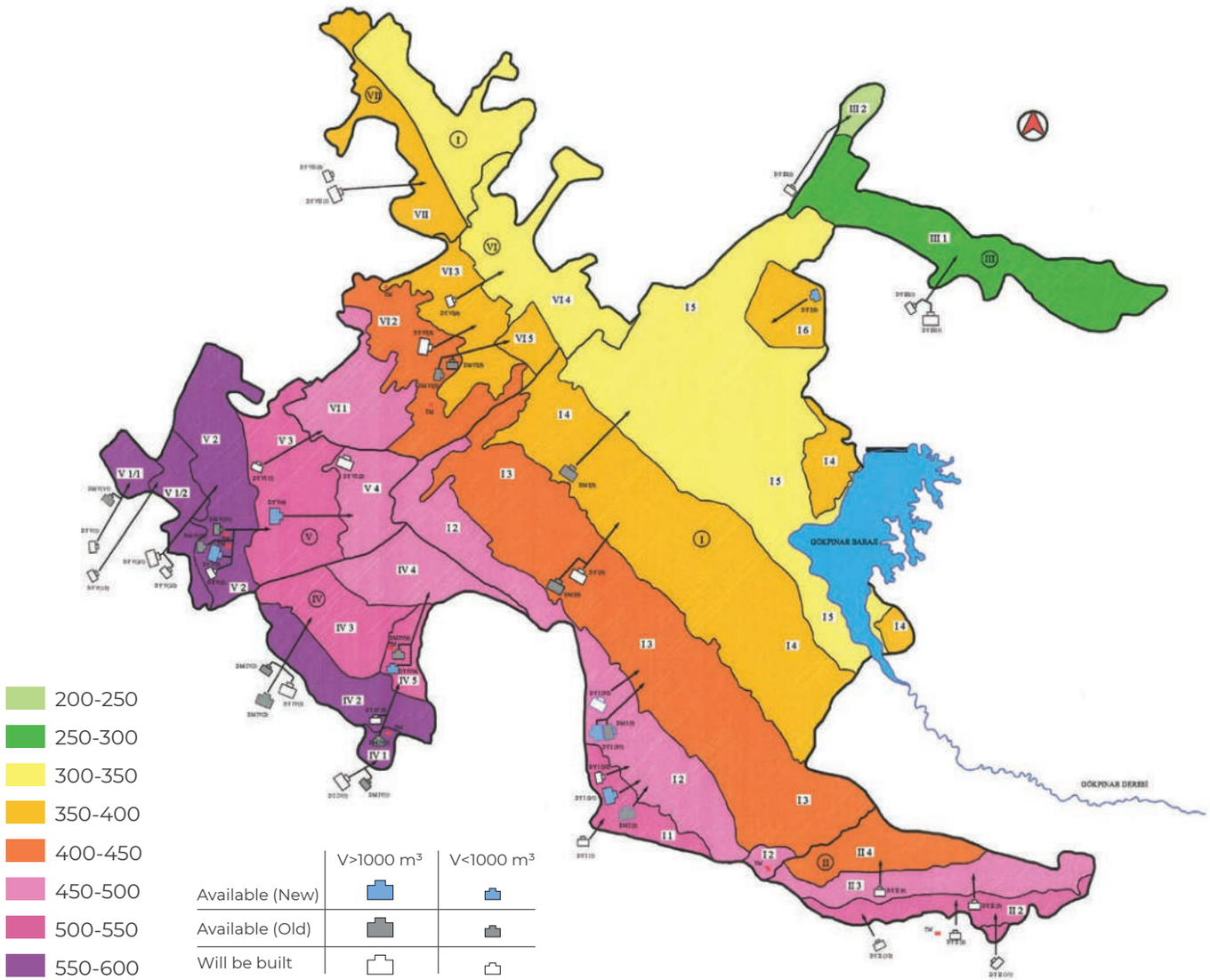
Structural, Architectural,Infrastructure, Mechanical and Electrical Design Works + Consultancy



04

Infrastructure Feasibility Reports

ERIMCO has undertaken infrastructural Feasibility Studies for some cities in Turkey, to form a basis for “Design-Build-Operate” tenders.



DISTRICT	RESERVOIR NO		RESERVOIR NAME	V, m³	KK, m	GBK, m
I		DY I (1)	Orman Üstü	1000	575,00	579,50
		DM I (2)		1250	523,15	527,85
		DY I (2/1)		2000	523,71	528,21
		DY I (2/2)		1000	523,71	528,21
		DM I (3)		4000	478,25	482,75
		DY I (3/1)	Kuruçay (Tiyatro)	5000	478,25	482,75
		DY I (3/2)		5000	478,25	482,75
		DM I (4)	Kiremitiçi	5000	433,34	437,84
		DY I (4)		5000	433,34	437,84
		DM I (5)	Hastane	5500	388,11	392,61
		DY I (6)	Antenler	1000	382,50	397,00
II		DY II (1/1)		150	605,00	608,00
		DY II (1/2)		150	608,00	611,00
		DY II (2)		1000	585,00	588,50
		DY II (3)		1000	535,00	538,50
		DY II (4)		1000	487,00	481,50
III		DY III (1/1)		1000	335,00	339,00
		DY III (1/2)		1500	335,00	339,00
		DY III (2)		500	285,00	288,00
IV		DM IV (1)		150	652,90	655,90
		DY IV (1)		1500	663,00	667,00
		DM IV (2)	Yenişehir	1500	623,50	627,50
		DM IV (3)		450	601,00	604,50
		DY IV (3)		1500	600,50	604,50
		DM IV (4)	Esnaf Evleri	500	519,62	523,12
		DY IV (4)		1000	518,62	523,12
		DM IV (5)		450	584,21	587,71
		DY IV (5)		500	584,21	587,71
V		DM V (1)	Şirinköy	900	668,00	672,50
		DY V (1)		1000	668,00	672,50
		DY V (2/1)		2000	605,00	609,50
		DY V (2/2)		1000	605,00	609,50
		DM V (3/1)		400	562,80	566,30
		DM V (3/2)		800	562,80	566,30
		DY V (3)	Bahçelievler	3000	561,39	565,89
		DY V (3)		1000	562,30	566,80
		DY V (4)	İtfaiye yanı	2000	515,00	519,50
VI		DY VI (1)		1000	520,00	524,50
		DY VI (2)		2000	478,00	482,50
		DY VI (3)		1500	435,00	439,50
		DY VI (4)		1000	390,00	394,50
		DM VI (5/1)		500	415,00	418,00
		DM VI (5/2)		200	415,00	418,00
VII		DY VII (1)		2000	420,00	424,50
		DY VII (2)		1000	420,00	424,50

Denizli City General View

Denizli City Feasibility Studies

Description: Feasibility Studies

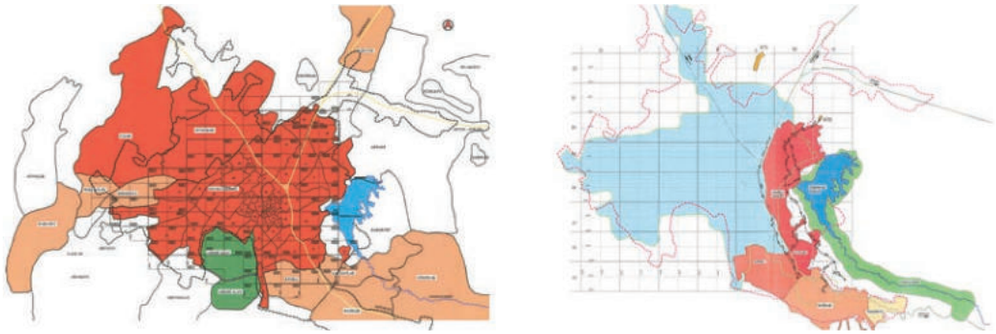
Location: Denizli // Turkey

Population: 650.000

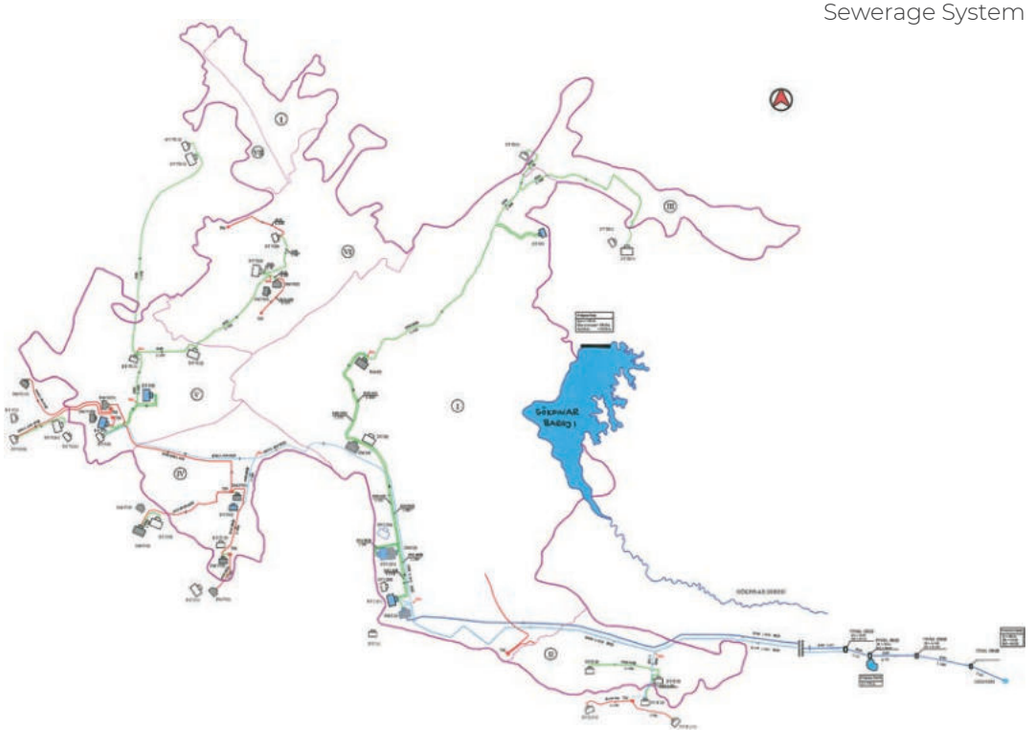
Year: 2005

Job Description:
Feasibility Studies for;
Water Supply & Distribution System
Sewerage System
Storm Water System

Analysis of the existing networks, determination of the improvements to be made to minimize the existing water losses and to meet the future demands; preparation of the investment plan and cash-flow tables.



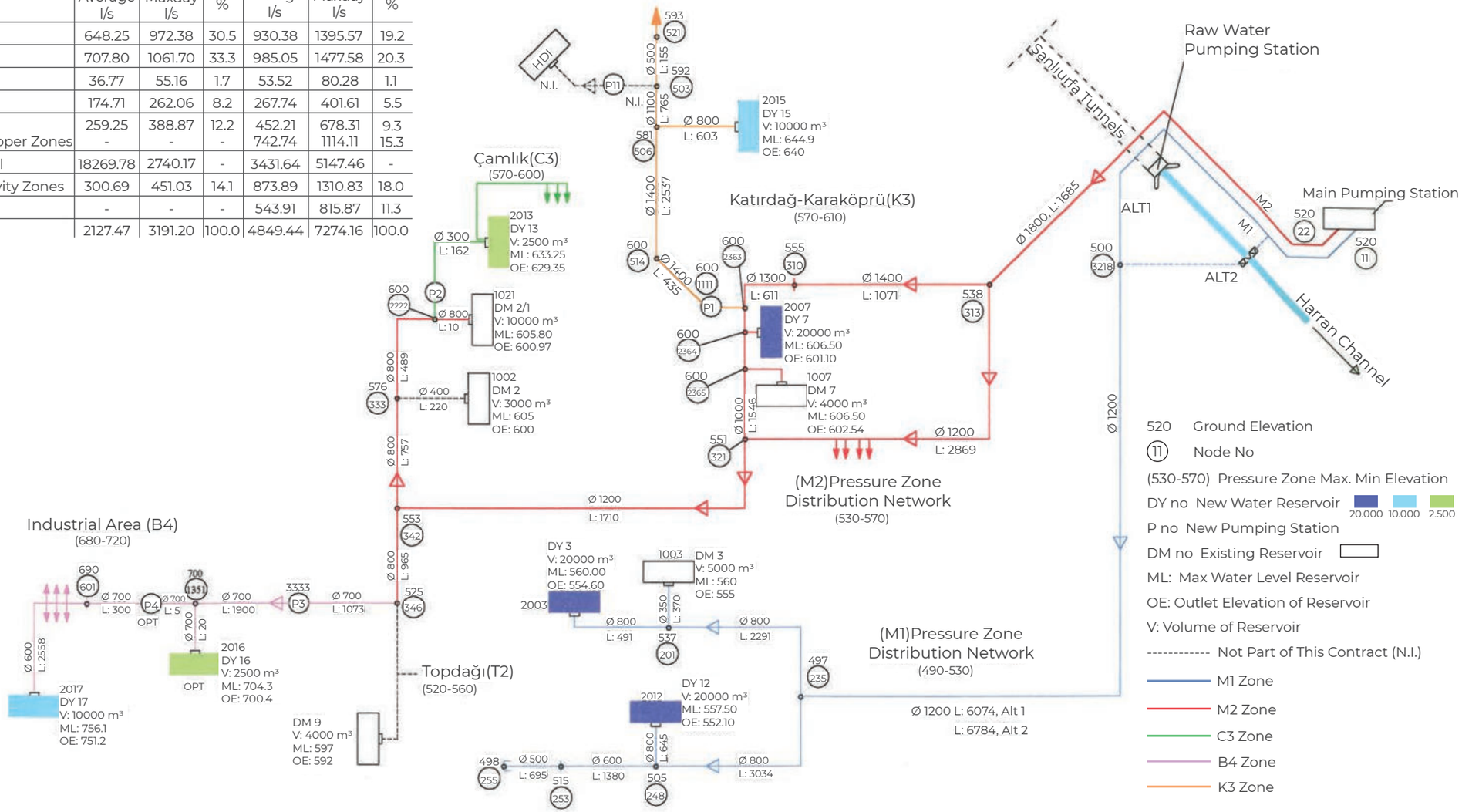
Sewerage System



Water Supply and Distribution Systems

Water Demand For 2005 and 2020

Pressure Zone	2005			2020		
	Average l/s	Maxday l/s	%	Average l/s	Maxday l/s	%
M1	648.25	972.38	30.5	930.38	1395.57	19.2
M2	707.80	1061.70	33.3	985.05	1477.58	20.3
C3	36.77	55.16	1.7	53.52	80.28	1.1
B4	174.71	262.06	8.2	267.74	401.61	5.5
K3	259.25	388.87	12.2	452.21	678.31	9.3
North Upper Zones	-	-	-	742.74	1114.11	15.3
Subtotal	18269.78	2740.17	-	3431.64	5147.46	-
C0 Gravity Zones	300.69	451.03	14.1	873.89	1310.83	18.0
D1	-	-	-	543.91	815.87	11.3
TOTAL	2127.47	3191.20	100.0	4849.44	7274.16	100.0



Şanlıurfa City Feasibility Studies

Description: Feasibility Studies

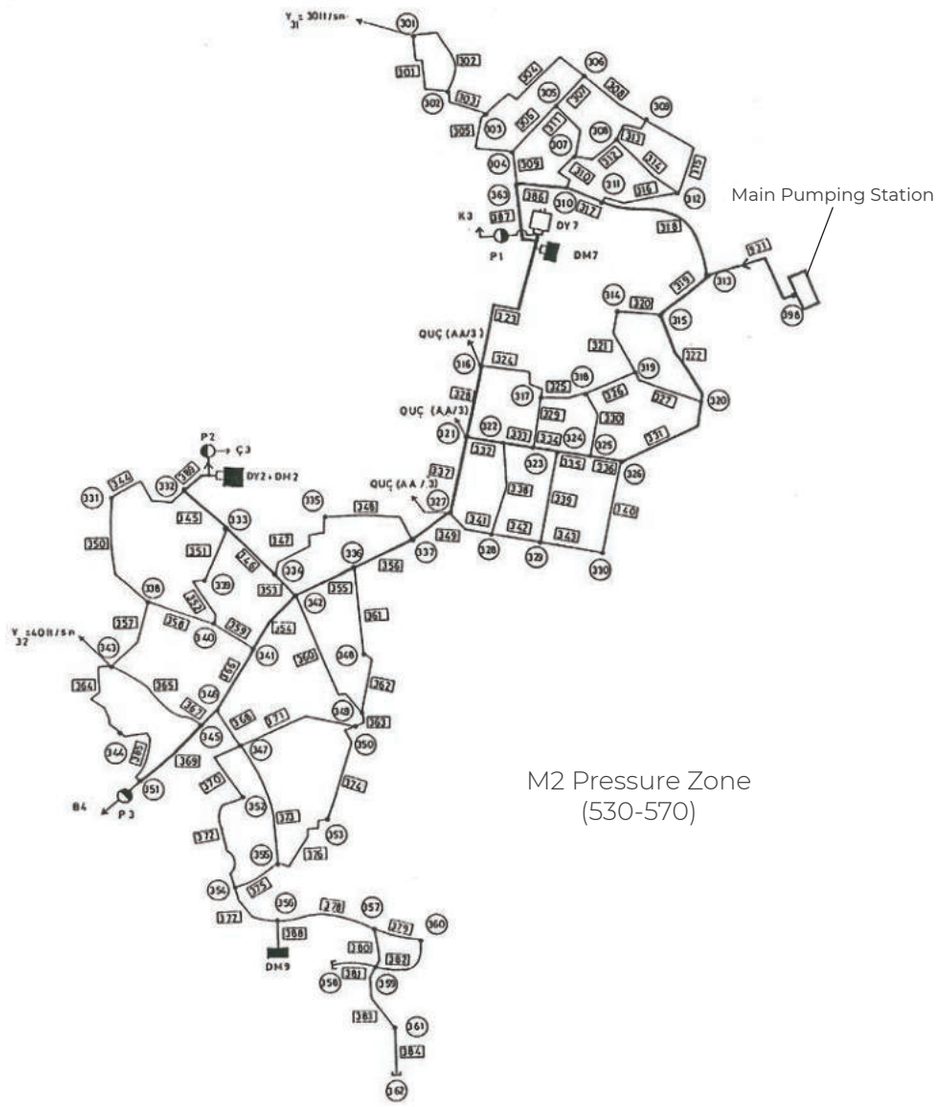
Location: Şanlıurfa // Turkey

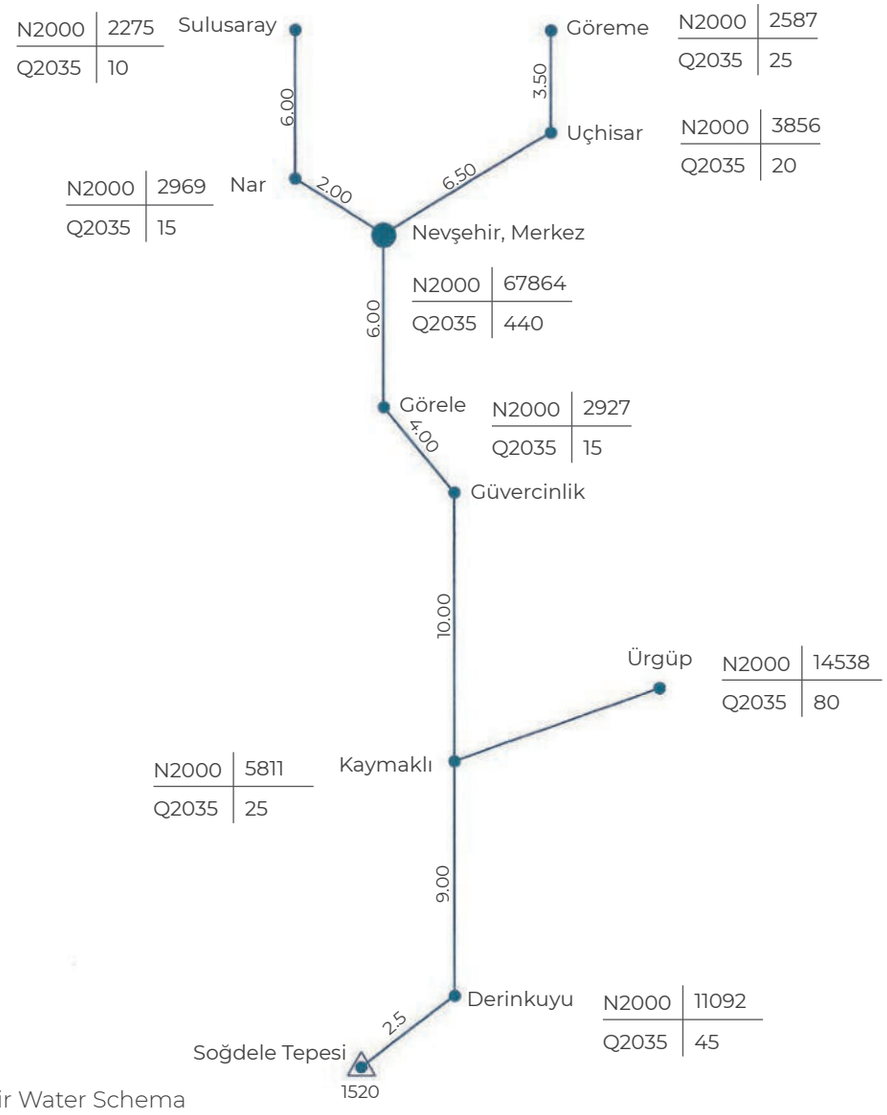
Population: 2.000.000

Year: 2005

Job Description:
Feasibility Studies for;
Water Supply & Distribution System
Sewerage System
Storm Water System

Analysis of the existing networks, determination of the improvements to be made to minimize the existing water losses and to meet the future demands; preparation of the investment plan and cash-flow tables.





Nevşehir Water Schema

Nevşehir City Feasibility Studies

Description: Feasibility Studies

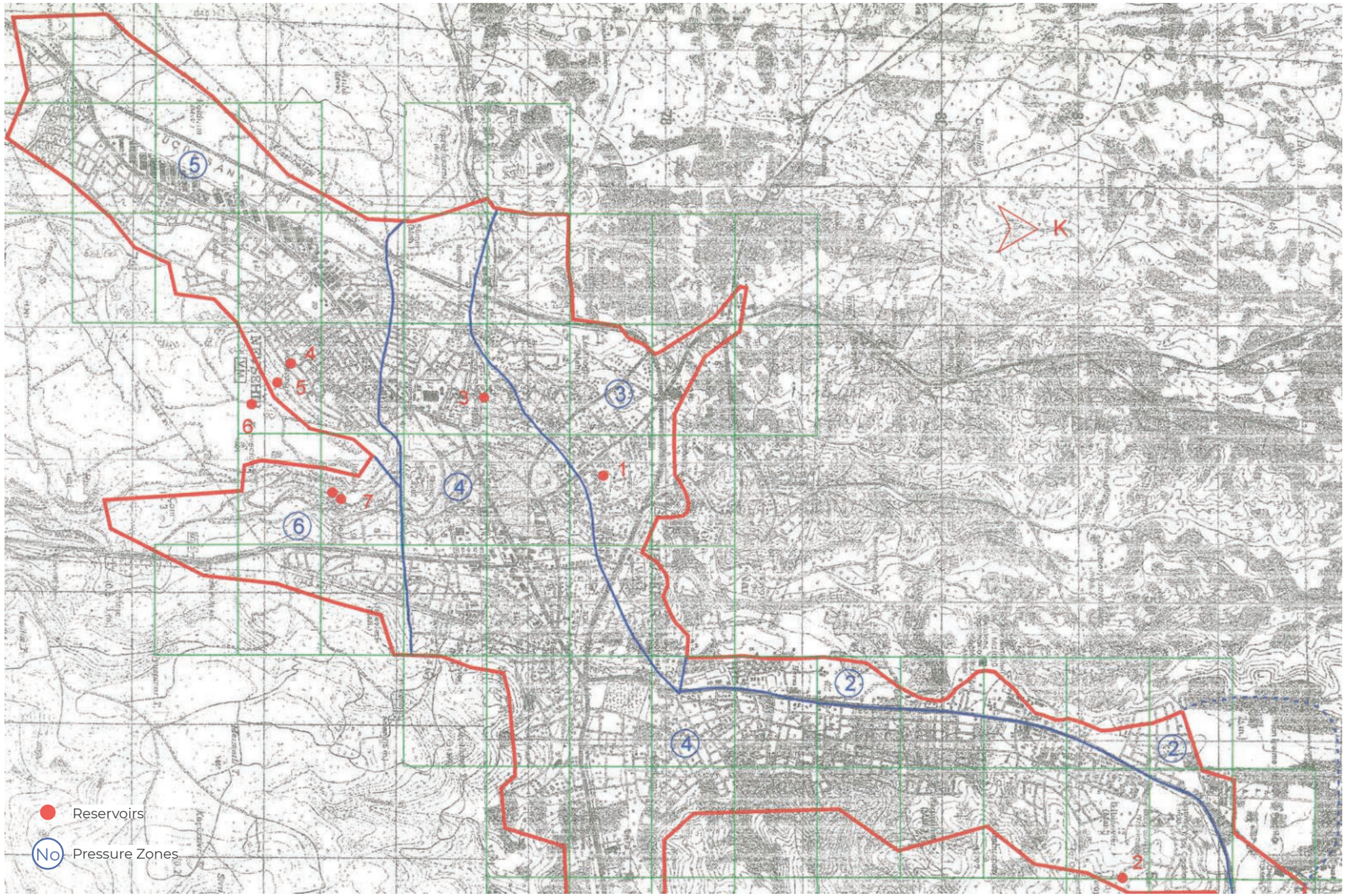
Location: Nevşehir // Turkey

Population: 100.000

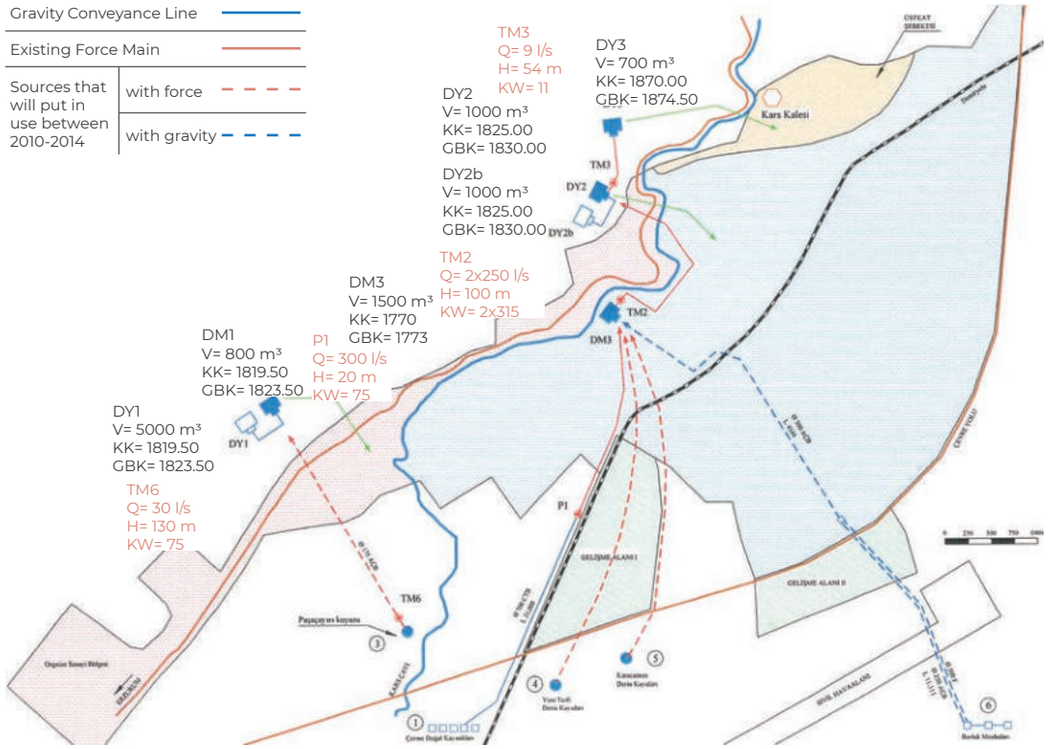
Year: 2005

Job Description:
Feasibility Studies for;
Water Supply & Distribution System

Analysis of the existing networks, determination of the improvements to be made to minimize the existing water losses and to meet the future demands.



Pressure Zones and Reservoirs



Water Sources	
1- Çerme	250 l/s
2- Digor Yolu	20 l/s
3- Paşaçayırı	20 l/s
4- Yeni Terfi	20 l/s
5- Karacaören	40 l/s
6- Borluk	20 l/s
Total	370 l/s

Water Supply & Distribution System

Kars City Feasibility Studies

Description: Feasibility Studies

Location: Kars // Turkey

Population: 225.000

Year: 2005

Job Description:
Feasibility Studies for;
Water Supply & Distribution System

Analysis of the existing network and determination of the investment necessary to improve the system to meet the future needs.

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